

**TECHNICAL MANUAL**

**AVIATION UNIT AND INTERMEDIATE MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST**

**FOR**

**HELICOPTER, ATTACK,  
AH-64A APACHE  
(NSN 1520-01-106-9519)**

**DISTRIBUTION STATEMENT C:** Distribution authorized to U.S. Government Agencies and their contractors only to protect technical or operational information from automatic dissemination under the International Exchange Program or by other means. This determination was made on 1 December 2002. Other requests for this document must be referred to U.S. Army Aviation and Missile Command, ATTN: SFAE-AV-AAH-ATH, Redstone Arsenal, AL 35898-5000.

**DESTRUCTION NOTICE** – Destroy by any method that will prevent disclosure of contents or reconstruction of the document.

\*This manual together with TM 1-1520-238-23P-1, TM 1-1520-238-23P-2, TM 1-1520-238-23P-4, and TM 1-1520-238-23P-5, supersedes TM 1-1520-238-23P-1, TM 1-1520-238-23P-2, TM 1-1520-238-23P-3 dated 28 May 1996, TM 1-1520-238-23P-4 dated 24 April 2004 and TM 1-1520-238-23P-5, dated 28 May 2004, including all changes.

---

**HEADQUARTERS, DEPARTMENT OF THE ARMY**  
**12 SEPTEMBER 2005**





INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

**LIST OF EFFECTIVE PAGES**

NOTE: The portion of the text affected by the changes is indicated by a vertical line in the outer margins of the page. Changes to illustrations are indicated by miniature pointing hands. Changes to wiring diagrams are indicated by shaded areas.

Date of issue for original and change pages are:

Original . . . . . 0 . . . 12 September 2005

**TOTAL NUMBER OF PAGES IN THIS PUBLICATION IS 554, CONSISTING OF THE FOLLOWING:**

| <b>Page<br/>No.</b>        | <b>*Change<br/>No.</b> | <b>Page<br/>No.</b> | <b>*Change<br/>No.</b> |
|----------------------------|------------------------|---------------------|------------------------|
| Cover . . . . .            | 0                      | 574-1 . . . . .     | 0                      |
| Blank . . . . .            | 0                      | Fig. 575 . . . . .  | 0                      |
| A – F . . . . .            | 0                      | 575-1 . . . . .     | 0                      |
| i thru xxiii . . . . .     | 0                      | Fig. 576 . . . . .  | 0                      |
| xxiv Blank Added . . . . . | 0                      | 576-1 . . . . .     | 0                      |
| 1-8 . . . . .              | 0                      | Fig. 577 . . . . .  | 0                      |
| Blank . . . . .            | 0                      | 577-1 . . . . .     | 0                      |
| Fig. 555 . . . . .         | 0                      | Fig. 578 . . . . .  | 0                      |
| 555-1 . . . . .            | 0                      | 578-1 . . . . .     | 0                      |
| Fig. 556 . . . . .         | 0                      | Fig. 579 . . . . .  | 0                      |
| 556-1 . . . . .            | 0                      | 579-1 . . . . .     | 0                      |
| Fig. 557 . . . . .         | 0                      | Fig. 580 . . . . .  | 0                      |
| 557-1 . . . . .            | 0                      | 580-1 . . . . .     | 0                      |
| Fig. 558 . . . . .         | 0                      | Fig. 581 . . . . .  | 0                      |
| 558-1 . . . . .            | 0                      | 581-1 . . . . .     | 0                      |
| Fig. 559 . . . . .         | 0                      | 581-2 . . . . .     | 0                      |
| 559-1 . . . . .            | 0                      | Blank . . . . .     | 0                      |
| Fig. 560 . . . . .         | 0                      | Fig. 582 . . . . .  | 0                      |
| 560-1 . . . . .            | 0                      | 582-1 . . . . .     | 0                      |
| Fig. 561 . . . . .         | 0                      | Fig. 583 . . . . .  | 0                      |
| 561-1 . . . . .            | 0                      | 583-1 . . . . .     | 0                      |
| Fig. 562 . . . . .         | 0                      | Fig. 584 . . . . .  | 0                      |
| 562-1 . . . . .            | 0                      | 584-1 . . . . .     | 0                      |
| Fig. 563 . . . . .         | 0                      | Fig. 585 . . . . .  | 0                      |
| 563-1 . . . . .            | 0                      | 585-1 . . . . .     | 0                      |
| Fig. 564 . . . . .         | 0                      | Fig. 586 . . . . .  | 0                      |
| 564-1 . . . . .            | 0                      | 586-1 . . . . .     | 0                      |
| Fig. 565 . . . . .         | 0                      | Fig. 587 . . . . .  | 0                      |
| 565-1 . . . . .            | 0                      | 587-1 . . . . .     | 0                      |
| Fig. 566 . . . . .         | 0                      | 587-2 . . . . .     | 0                      |
| 566-1 . . . . .            | 0                      | Blank . . . . .     | 0                      |
| Fig. 567 . . . . .         | 0                      | Fig. 588 . . . . .  | 0                      |
| 567-1 . . . . .            | 0                      | 588-1 . . . . .     | 0                      |
| Fig. 568 . . . . .         | 0                      | Fig. 589 . . . . .  | 0                      |
| 568-1 . . . . .            | 0                      | 589-1 . . . . .     | 0                      |
| Fig. 569 . . . . .         | 0                      | Fig. 590 . . . . .  | 0                      |
| 569-1 . . . . .            | 0                      | 590-1 . . . . .     | 0                      |
| Fig. 570 . . . . .         | 0                      | Fig. 591 . . . . .  | 0                      |
| 570-1 . . . . .            | 0                      | 591-1 . . . . .     | 0                      |
| Fig. 571 . . . . .         | 0                      | 591-2 . . . . .     | 0                      |
| 571-1 . . . . .            | 0                      | Blank . . . . .     | 0                      |
| Fig. 572 . . . . .         | 0                      | Fig. 592 . . . . .  | 0                      |
| 572-1 . . . . .            | 0                      | 592-1 . . . . .     | 0                      |
| Fig. 573 . . . . .         | 0                      | Fig. 593 . . . . .  | 0                      |
| 573-1 . . . . .            | 0                      | 593-1 . . . . .     | 0                      |
| Fig. 574 . . . . .         | 0                      | Fig. 594 . . . . .  | 0                      |

\*Zero in this column indicates an original page.

INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

**LIST OF EFFECTIVE PAGES**

| <b>Page<br/>No.</b> | <b>*Change<br/>No.</b> | <b>Page<br/>No.</b> | <b>*Change<br/>No.</b> |
|---------------------|------------------------|---------------------|------------------------|
| 594-1 .....         | 0                      | 616-1 .....         | 0                      |
| Fig. 595 .....      | 0                      | Fig. 617 .....      | 0                      |
| 595-1 .....         | 0                      | 617-1 .....         | 0                      |
| Fig. 596 .....      | 0                      | Fig. 618 .....      | 0                      |
| 596-1 .....         | 0                      | 618-1 .....         | 0                      |
| 596-2 .....         | 0                      | Fig. 619 .....      | 0                      |
| Blank .....         | 0                      | 619-1 .....         | 0                      |
| Fig. 597 .....      | 0                      | 619-2 .....         | 0                      |
| 597-1 .....         | 0                      | Blank .....         | 0                      |
| Fig. 598 .....      | 0                      | Fig. 620 .....      | 0                      |
| 598-1 .....         | 0                      | 620-1 .....         | 0                      |
| Fig. 599 .....      | 0                      | Fig. 621 .....      | 0                      |
| 599-1 .....         | 0                      | 621-1 .....         | 0                      |
| Fig. 600 .....      | 0                      | Fig. 622 .....      | 0                      |
| 600-1 .....         | 0                      | 622-1 .....         | 0                      |
| Fig. 601 .....      | 0                      | Fig. 623 .....      | 0                      |
| 601-1 .....         | 0                      | 623-1 .....         | 0                      |
| 601-2 .....         | 0                      | Fig. 624 .....      | 0                      |
| Blank .....         | 0                      | 624-1 .....         | 0                      |
| Fig. 602 .....      | 0                      | Fig. 625 .....      | 0                      |
| 602-1 .....         | 0                      | 625-1 .....         | 0                      |
| Fig. 603 .....      | 0                      | Fig. 626 .....      | 0                      |
| 603-1 .....         | 0                      | 626-1 .....         | 0                      |
| 603-2 .....         | 0                      | Fig. 627 .....      | 0                      |
| Blank .....         | 0                      | 627-1 .....         | 0                      |
| Fig. 604 .....      | 0                      | Fig. 628 .....      | 0                      |
| 604-1 .....         | 0                      | 628-1 .....         | 0                      |
| 604-2 .....         | 0                      | Fig. 629 .....      | 0                      |
| Blank .....         | 0                      | 629-1 .....         | 0                      |
| Fig. 605 .....      | 0                      | Fig. 630 .....      | 0                      |
| 605-1 .....         | 0                      | 630-1 .....         | 0                      |
| Fig. 606 .....      | 0                      | Fig. 631 .....      | 0                      |
| 606-1 .....         | 0                      | 631-1 .....         | 0                      |
| Fig. 607 .....      | 0                      | Fig. 632 .....      | 0                      |
| 607-1 .....         | 0                      | 632-1 .....         | 0                      |
| Fig. 608 .....      | 0                      | 632-2 .....         | 0                      |
| 608-1 .....         | 0                      | Blank .....         | 0                      |
| Fig. 609 .....      | 0                      | Fig. 633 .....      | 0                      |
| 609-1 .....         | 0                      | 633-1 .....         | 0                      |
| Fig. 610 .....      | 0                      | Fig. 634 .....      | 0                      |
| 610-1 .....         | 0                      | 634-1 .....         | 0                      |
| Fig. 611 .....      | 0                      | Fig. 635 .....      | 0                      |
| 611-1 .....         | 0                      | 635-1 .....         | 0                      |
| Fig. 612 .....      | 0                      | Fig. 636 .....      | 0                      |
| 612-1 .....         | 0                      | 636-1 .....         | 0                      |
| Fig. 613 .....      | 0                      | Fig. 637 .....      | 0                      |
| 613-1 .....         | 0                      | 637-1 .....         | 0                      |
| Fig. 614 .....      | 0                      | Fig. 638 .....      | 0                      |
| 614-1 .....         | 0                      | 638-1 .....         | 0                      |
| Fig. 615 .....      | 0                      | Fig. 639 .....      | 0                      |
| 615-1 .....         | 0                      | 639-1 .....         | 0                      |
| Fig. 616 .....      | 0                      | Fig. 640 .....      | 0                      |

\*Zero in this column indicates an original page.

INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

**LIST OF EFFECTIVE PAGES**

| <b>Page<br/>No.</b> | <b>*Change<br/>No.</b> | <b>Page<br/>No.</b> | <b>*Change<br/>No.</b> |
|---------------------|------------------------|---------------------|------------------------|
| 640-1 .....         | 0                      | Blank .....         | 0                      |
| Fig. 641 .....      | 0                      | Fig. 665 .....      | 0                      |
| 641-1 .....         | 0                      | 665-1 .....         | 0                      |
| Fig. 642 .....      | 0                      | Fig. 666 .....      | 0                      |
| 642-1 .....         | 0                      | 666-1 .....         | 0                      |
| Fig. 643 .....      | 0                      | Fig. 667 .....      | 0                      |
| 643-1 .....         | 0                      | 667-1 .....         | 0                      |
| Fig. 644 .....      | 0                      | Fig. 668 .....      | 0                      |
| 644-1 .....         | 0                      | 668-1 .....         | 0                      |
| Fig. 645 .....      | 0                      | 668-2 .....         | 0                      |
| 645-1 .....         | 0                      | Blank .....         | 0                      |
| Fig. 646 .....      | 0                      | Fig. 669 .....      | 0                      |
| 646-1 .....         | 0                      | 669-1 .....         | 0                      |
| Fig. 647 .....      | 0                      | Fig. 670 .....      | 0                      |
| 647-1 .....         | 0                      | 670-1 .....         | 0                      |
| Fig. 648 .....      | 0                      | Fig. 671 .....      | 0                      |
| 648-1 .....         | 0                      | 671-1 .....         | 0                      |
| Fig. 649 .....      | 0                      | Fig. 672 .....      | 0                      |
| 649-1 .....         | 0                      | 672-1 .....         | 0                      |
| Fig. 650 .....      | 0                      | Fig. 673 .....      | 0                      |
| 650-1 .....         | 0                      | 673-1 .....         | 0                      |
| Fig. 651 .....      | 0                      | Fig. 674 .....      | 0                      |
| 651-1 .....         | 0                      | 674-1 .....         | 0                      |
| Fig. 652 .....      | 0                      | Fig. 675 .....      | 0                      |
| 652-1 .....         | 0                      | 675-1 .....         | 0                      |
| Fig. 653 .....      | 0                      | Fig. 676 .....      | 0                      |
| 653-1 .....         | 0                      | 676-1 .....         | 0                      |
| Fig. 654 .....      | 0                      | 676-2 .....         | 0                      |
| 654-1 .....         | 0                      | Blank .....         | 0                      |
| 654-2 .....         | 0                      | Fig. 677 .....      | 0                      |
| Blank .....         | 0                      | 677-1 .....         | 0                      |
| Fig. 655 .....      | 0                      | Fig. 678 .....      | 0                      |
| 655-1 .....         | 0                      | 678-1 .....         | 0                      |
| Fig. 656 .....      | 0                      | Fig. 679 .....      | 0                      |
| 656-1 .....         | 0                      | 679-1 .....         | 0                      |
| Fig. 657 .....      | 0                      | Fig. 680 .....      | 0                      |
| 657-1 .....         | 0                      | 680-1 .....         | 0                      |
| Fig. 658 .....      | 0                      | Fig. 681 .....      | 0                      |
| 658-1 .....         | 0                      | 681-1 .....         | 0                      |
| Fig. 659 .....      | 0                      | Fig. 682 .....      | 0                      |
| 659-1 .....         | 0                      | 682-1 .....         | 0                      |
| Fig. 660 .....      | 0                      | Fig. 683 .....      | 0                      |
| 660-1 .....         | 0                      | 683-1 .....         | 0                      |
| Fig. 661 .....      | 0                      | Fig. 684 .....      | 0                      |
| 661-1 .....         | 0                      | 684-1 .....         | 0                      |
| Fig. 662 .....      | 0                      | Fig. 685 .....      | 0                      |
| 662-1 .....         | 0                      | 685-1 .....         | 0                      |
| Fig. 663 .....      | 0                      | Fig. 686 .....      | 0                      |
| 663-1 .....         | 0                      | 686-1 .....         | 0                      |
| Fig. 664 .....      | 0                      | 686-2 .....         | 0                      |
| 664-1 .....         | 0                      | Blank .....         | 0                      |
| 664-2 .....         | 0                      | Fig. 686A .....     | 0                      |

\*Zero in this column indicates an original page.

INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

**LIST OF EFFECTIVE PAGES**

| <b>Page<br/>No.</b> | <b>*Change<br/>No.</b> | <b>Page<br/>No.</b> | <b>*Change<br/>No.</b> |
|---------------------|------------------------|---------------------|------------------------|
| 686A-1 .....        | 0                      | 710-1 .....         | 0                      |
| Fig. 687 .....      | 0                      | Fig. 711 .....      | 0                      |
| 687-1 .....         | 0                      | 711-1 .....         | 0                      |
| Fig. 688 .....      | 0                      | 711-2 .....         | 0                      |
| 688-1 .....         | 0                      | Blank .....         | 0                      |
| 688-2 .....         | 0                      | Fig. 712 .....      | 0                      |
| Blank .....         | 0                      | 712-1 .....         | 0                      |
| Fig. 689 .....      | 0                      | Fig. 713 .....      | 0                      |
| 689-1 .....         | 0                      | 713-1 .....         | 0                      |
| Fig. 690 .....      | 0                      | Blank .....         | 0                      |
| 690-1 .....         | 0                      | Bulk 1-7 .....      | 0                      |
| Fig. 691 .....      | 0                      | Blank .....         | 0                      |
| 691-1 .....         | 0                      | Blank .....         | 0                      |
| Fig. 692 .....      | 0                      | Fig. 714 .....      | 0                      |
| 692-1 .....         | 0                      | 714-1 .....         | 0                      |
| Fig. 693 .....      | 0                      | Fig. 715 .....      | 0                      |
| 693-1 .....         | 0                      | 715-1 .....         | 0                      |
| Fig. 694 .....      | 0                      | Fig. 716 .....      | 0                      |
| 694-1 .....         | 0                      | 716-1 .....         | 0                      |
| Fig. 695 .....      | 0                      | Fig. 717 .....      | 0                      |
| 695-1 .....         | 0                      | 717-1 .....         | 0                      |
| Fig. 696 .....      | 0                      | Fig. 718 .....      | 0                      |
| 696-1 .....         | 0                      | 718-1 .....         | 0                      |
| Fig. 697 .....      | 0                      | Fig. 719 .....      | 0                      |
| 697-1 .....         | 0                      | 719-1 .....         | 0                      |
| Fig. 698 .....      | 0                      | Fig. 720 .....      | 0                      |
| 698-1 .....         | 0                      | 720-1 .....         | 0                      |
| 698-2 .....         | 0                      | Fig. 721 .....      | 0                      |
| Blank .....         | 0                      | 721-1 .....         | 0                      |
| Fig. 699 .....      | 0                      | Fig. 722 .....      | 0                      |
| 699-1 .....         | 0                      | 722-1 .....         | 0                      |
| Fig. 700 .....      | 0                      | Fig. 723 .....      | 0                      |
| 700-1 .....         | 0                      | 723-1 .....         | 0                      |
| Fig. 701 .....      | 0                      | Fig. 724 .....      | 0                      |
| 701-1 .....         | 0                      | 724-1 .....         | 0                      |
| Fig. 702 .....      | 0                      | Fig. 725 .....      | 0                      |
| 702-1 .....         | 0                      | 725-1 .....         | 0                      |
| Fig. 703 .....      | 0                      | Fig. 726 .....      | 0                      |
| 703-1 .....         | 0                      | 726-1 .....         | 0                      |
| Fig. 704 .....      | 0                      | Fig. 727 .....      | 0                      |
| 704-1 .....         | 0                      | 727-1 .....         | 0                      |
| Fig. 705 .....      | 0                      | Fig. 728 .....      | 0                      |
| 705-1 .....         | 0                      | 728-1 .....         | 0                      |
| Fig. 706 .....      | 0                      | Fig. 729 .....      | 0                      |
| 706-1 .....         | 0                      | 729-1 .....         | 0                      |
| Fig. 707 .....      | 0                      | Fig. 730 .....      | 0                      |
| 707-1 .....         | 0                      | 730-1 .....         | 0                      |
| Fig. 708 .....      | 0                      | Fig. 731 .....      | 0                      |
| 708-1 .....         | 0                      | 731-1 .....         | 0                      |
| Fig. 709 .....      | 0                      | 731-2 .....         | 0                      |
| 709-1 .....         | 0                      | Blank .....         | 0                      |
| Fig. 710 .....      | 0                      | Fig. 732 .....      | 0                      |

**\*Zero in this column indicates an original page.**

INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

**LIST OF EFFECTIVE PAGES**

| <b>Page<br/>No.</b> | <b>*Change<br/>No.</b> | <b>Page<br/>No.</b>      | <b>*Change<br/>No.</b> |
|---------------------|------------------------|--------------------------|------------------------|
| 732-1 .....         | 0                      | 758-1 .....              | 0                      |
| Fig. 733 .....      | 0                      | Fig. 759 .....           | 0                      |
| 733-1 .....         | 0                      | 759-1 .....              | 0                      |
| Fig. 734 .....      | 0                      | Fig. 760 .....           | 0                      |
| 734-1 .....         | 0                      | 760-1 .....              | 0                      |
| Fig. 735 .....      | 0                      | Fig. 761 .....           | 0                      |
| 735-1 .....         | 0                      | 761-1 .....              | 0                      |
| Fig. 736 .....      | 0                      | Fig. 762 .....           | 0                      |
| 736-1 .....         | 0                      | 762-1 .....              | 0                      |
| Fig. 737 .....      | 0                      | Fig. 763 .....           | 0                      |
| 737-1 .....         | 0                      | 763-1 .....              | 0                      |
| Fig. 738 .....      | 0                      | Fig. 764 .....           | 0                      |
| 738-1 .....         | 0                      | 764-1 .....              | 0                      |
| Fig. 739 .....      | 0                      | Fig. 765 .....           | 0                      |
| 739-1 .....         | 0                      | 765-1 .....              | 0                      |
| Fig. 740 .....      | 0                      | Fig. 766 .....           | 0                      |
| 740-1 .....         | 0                      | 766-1 .....              | 0                      |
| Fig. 741 .....      | 0                      | Fig. 767 .....           | 0                      |
| 741-1 .....         | 0                      | 767-1 .....              | 0                      |
| Fig. 742 .....      | 0                      | Fig. 768 .....           | 0                      |
| 742-1 .....         | 0                      | 768-1 .....              | 0                      |
| Fig. 743 .....      | 0                      | Fig. 769 (Deleted) ..... | 0                      |
| 743-1 .....         | 0                      | Blank .....              | 0                      |
| Fig. 744 .....      | 0                      | Fig. 770 .....           | 0                      |
| 744-1 .....         | 0                      | 770-1 .....              | 0                      |
| Fig. 745 .....      | 0                      | Fig. 771 .....           | 0                      |
| 745-1 .....         | 0                      | 771-1 .....              | 0                      |
| Fig. 746 .....      | 0                      | Fig. 772 .....           | 0                      |
| 746-1 .....         | 0                      | 772-1 .....              | 0                      |
| Fig. 747 .....      | 0                      | Fig. 773 .....           | 0                      |
| 747-1 .....         | 0                      | 773-1 .....              | 0                      |
| Fig. 748 .....      | 0                      | Fig. 774 .....           | 0                      |
| 748-1 .....         | 0                      | 774-1 .....              | 0                      |
| Fig. 749 .....      | 0                      | Fig. 775 .....           | 0                      |
| 749-1 .....         | 0                      | 775-1 .....              | 0                      |
| Fig. 750 .....      | 0                      | Fig. 776 .....           | 0                      |
| 750-1 .....         | 0                      | 776-1 .....              | 0                      |
| Fig. 751 .....      | 0                      | Fig. 777 .....           | 0                      |
| 751-1 .....         | 0                      | 777-1 .....              | 0                      |
| Fig. 752 .....      | 0                      | Fig. 778 .....           | 0                      |
| 752-1 .....         | 0                      | 778-1 .....              | 0                      |
| Fig. 753 .....      | 0                      | Fig. 779 .....           | 0                      |
| 753-1 .....         | 0                      | 779-1 .....              | 0                      |
| Fig. 754 .....      | 0                      | Fig. 780 .....           | 0                      |
| 754-1 .....         | 0                      | 780-1 .....              | 0                      |
| Fig. 755 .....      | 0                      | Fig. 780A .....          | 0                      |
| 755-1 .....         | 0                      | 780A-1 .....             | 0                      |
| Fig. 756 .....      | 0                      | Fig. 780B .....          | 0                      |
| 756-1 .....         | 0                      | 780B-1 .....             | 0                      |
| Fig. 757 .....      | 0                      | Fig. 780C .....          | 0                      |
| 757-1 .....         | 0                      | 780C-1 .....             | 0                      |
| Fig. 758 .....      | 0                      | Fig. 780D .....          | 0                      |

**\*Zero in this column indicates an original page.**

INSERT LATEST CHANGED PAGES: DESTROY SUPERSEDED PAGES.

LIST OF EFFECTIVE PAGES

| Page<br>No.     | *Change<br>No. | Page<br>No. | *Change<br>No. |
|-----------------|----------------|-------------|----------------|
| 780D-1 .....    | 0              |             |                |
| Fig. 780E ..... | 0              |             |                |
| 780E-1 .....    | 0              |             |                |
| Fig. 781 .....  | 0              |             |                |
| 781-1 .....     | 0              |             |                |
| Fig. 782 .....  | 0              |             |                |
| 782-1 .....     | 0              |             |                |
| Fig. 783 .....  | 0              |             |                |
| 783-1 .....     | 0              |             |                |

\*Zero in this column indicates an original page.



Technical Manual

No. 1-1520-238-23P

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 12 September 2005

## **TECHNICAL MANUAL**

### **AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST FOR**

**HELICOPTER, ATTACK,  
AH-64A APACHE  
(NSN 1520-01-106-9519)**

**Current as of 31 December 2004**

#### **REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help improve this manual. If you find any mistakes or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) located in the back of this manual, directly to: Commander, U.S. Army Aviation and Missile Command, ATTN: AMSAM-MMC-MB-NP, Redstone Arsenal, AL 35898-5000. A reply will be furnished to you. You may also provide DA Form 2028 information to AMCOM via e-mail, fax, or the World Wide Web. Our fax number is: DSN 788-6546 or Commercial 256-842-6546. Our e-mail address is: [2028@redstone.army.mil](mailto:2028@redstone.army.mil). Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028. For the World Wide Web use: <https://amcom2028.redstone.army.mil>.

**DISTRIBUTION STATEMENT C:** Distribution authorized to U.S. Government Agencies and their contractors only to protect technical or operational information from automatic dissemination under the International Exchange Program or by other means. This determination was made on 1 December 2002. Other requests for this document must be referred to U.S. Army Aviation and Missile Command, ATTN: SFAE-AV-AAH-ATH, Redstone Arsenal, AL 35898-5000.

**DESTRUCTION NOTICE** – Destroy by any method that will prevent disclosure of contents or reconstruction of the document.

\*This manual together with TM 1-1520-238-23P-1, TM 1-1520-238-23P-2, TM 1-1520-238-23P-4, and TM 1-1520-238-23P-5, superseded TM 1-1520-238-23P-1, TM 1-1520-238-23P-2, TM 1-1520-238-23P-3, dated 28 May 1998, TM 1-1520-238-23P-4, dated 24 April 2004 and TM 1-1520-238-23P-5, dated 28 May 2004, including all changes.



NOTE:

This manual is printed in five volumes as follows:

TM 1-1520-238-23P-1, consisting of Table of Contents, Section I and Section II (Functional Groups 00 thru 05).

TM 1-1520-238-23P-2, consisting of Table of Contents, Section I and Section II (Functional Groups 06 thru 09).

TM 1-1520-238-23P-3, consisting of Table of Contents, Section I and Section II (Functional Groups 10 thru 60) and Section III.

TM 1-1520-238-23P-4, consisting of Section I and Section IV (National Stock Number Index and Part Number Index).

TM 1-1520-238-23P-5, consisting of Section I and Section IV (Figure and Item Number Index).

Sections I and IV are applicable to the -1, -2, -3, -4, and -5.

# TABLE OF CONTENTS

|             |                                                                          | Page | Illus/<br>Figure |
|-------------|--------------------------------------------------------------------------|------|------------------|
| Section I.  | INTRODUCTION .....                                                       | 1    |                  |
| Section II. | REPAIR PARTS LIST .....                                                  |      |                  |
| Group 00    | AH-64A Helicopter (Exploded View) Functional Groups List .....           | 1-1  | 1                |
| Group 02    | Airframe                                                                 |      |                  |
|             | Forward Fuselage Assembly .....                                          | 2-1  | 2                |
|             | Skin, Stringer Installation (FS 35 to FS 115) .....                      | 3-1  | 3                |
|             | Forward Fuselage Assembly, Lower Access Doors .....                      | 4-1  | 4                |
|             | Keel Beam Installation, Forward Fuselage .....                           | 5-1  | 5                |
|             | Forward Fuselage Gun and Ammo Support .....                              | 6-1  | 6                |
|             | Structure and Support Installation (FS 35 to FS 57) .....                | 7-1  | 7                |
|             | Forward Fuselage Assembly, Electronic Shelf and Doors .....              | 8-1  | 8                |
|             | Shelf Assembly, Aircraft (FS 35 to FS 57) .....                          | 9-1  | 9                |
|             | Shelf Installation Assembly, Equipment .....                             | 9A-1 | 9A               |
|             | Forward Fuselage Assembly, Canopy Door and Windshield .....              | 10-1 | 10               |
|             | Forward Fuselage Assembly, TADS/PNVS Support .....                       | 11-1 | 11               |
|             | Forward Avionics Bay and Fan Support Installation .....                  | 12-1 | 12               |
|             | Structure Installation, FWD Avionics Bay LH (Part 1) .....               | 13-1 | 13               |
|             | Structure Installation, FWD Avionics Bay LH (Part 2) .....               | 14-1 | 14               |
|             | Structure Installation, FWD Avionics Bay RH (Part 3) .....               | 15-1 | 15               |
|             | Structure Installation, FWD Avionics Bay RH (Part 4) .....               | 16-1 | 16               |
|             | Structure Installation, FWD Avionics Bay (Frame Assembly) (Part 5) ..... | 17-1 | 17               |
|             | Fairing, Fuselage, Nose Assembly .....                                   | 18-1 | 18               |
|             | Forward Fuselage Structure (FS 35 to FS 80) (Copilot/Gunner) .....       | 19-1 | 19               |
|             | Floor Installation Assembly, Copilot/Gunner Cockpit .....                | 20-1 | 20               |
|             | Frame Installation (FS 35 and FS 46) .....                               | 21-1 | 21               |
|             | Frame Installation (FS 57 and FS 69) .....                               | 22-1 | 22               |
|             | Frame Installation Assembly (FS 80) .....                                | 23-1 | 23               |
|             | Frame Installation Assembly (FS 91) .....                                | 24-1 | 24               |
|             | Forward Fuselage (FS 105 to FS 115) .....                                | 25-1 | 25               |
|             | Frame Installation (FS 105) .....                                        | 26-1 | 26               |

## TABLE OF CONTENTS – Continued

|                                                                                                       | Page | Illus/<br>Figure |
|-------------------------------------------------------------------------------------------------------|------|------------------|
| Frame Installation Assembly (FS 115) .....                                                            | 27-1 | 27               |
| Beam and Pedal Support Installation (Pilot) .....                                                     | 28-1 | 28               |
| Floor Installation Assembly, Pilot (Center) (FS 98 to FS 125) .....                                   | 29-1 | 29               |
| Floor Installation Assembly, Pilot (Left and Right Sides)<br>(FS 98 to FS 125) .....                  | 30-1 | 30               |
| Shelf Installation Assembly, FWD Avionics Bay LH .....                                                | 31-1 | 31               |
| Shelf, Duct Assembly LH FAB .....                                                                     | 32-1 | 32               |
| Shelf Installation Assembly, FWD Avionics Bay RH .....                                                | 33-1 | 33               |
| Shelf, Duct Assembly RH FAB .....                                                                     | 34-1 | 34               |
| Gun Fairing Assembly (FS 103) .....                                                                   | 35-1 | 35               |
| Canopy Installation .....                                                                             | 36-1 | 36               |
| Structure Installation, Rollover .....                                                                | 37-1 | 37               |
| Bow Beam Installation LH .....                                                                        | 38-1 | 38               |
| Bow Beam Installation RH .....                                                                        | 39-1 | 39               |
| Vent Installation Assembly .....                                                                      | 40-1 | 40               |
| Panel Installation Assembly, Upper AFT .....                                                          | 41-1 | 41               |
| Canopy Installation Assembly LH .....                                                                 | 42-1 | 42               |
| Door and Bumper Installation, Copilot/Gunner .....                                                    | 43-1 | 43               |
| Door and Bumper Installation, Pilot .....                                                             | 44-1 | 44               |
| Mechanical Installation, Door (Lever, Pulleys and Cable Assembly)<br>Copilot/Gunner and Pilot .....   | 45-1 | 45               |
| Mechanical Installation, Door (Locking Bars, Push Rods and Handles)<br>Copilot/Gunner and Pilot ..... | 46-1 | 46               |
| Door Assembly, Canopy, Copilot/Gunner (Upper) .....                                                   | 47-1 | 47               |
| Door Assembly, Canopy, Copilot/Gunner (Lower) .....                                                   | 48-1 | 48               |
| Door Assembly, Canopy, Pilot (Upper) .....                                                            | 49-1 | 49               |
| Door Assembly, Canopy, Pilot (Lower) .....                                                            | 50-1 | 50               |
| Canopy Transparencies Installation .....                                                              | 51-1 | 51               |
| Fitting Installation, Fuselage Fairing Support (Part 1) .....                                         | 52-1 | 52               |
| Fitting Installation, Fuselage Fairing Support (Part 2) .....                                         | 53-1 | 53               |
| Doubler Installation Assembly (FS 125) .....                                                          | 54-1 | 54               |
| Center Fuselage Access Doors and Panels .....                                                         | 55-1 | 55               |
| Center Fuselage Access Doors and Panels (Below WL 112) .....                                          | 56-1 | 56               |
| Center Fuselage Handle and Footstep Installation .....                                                | 57-1 | 57               |
| Bracket Assembly Installation, Rounds Counter Support .....                                           | 58-1 | 58               |
| Closeout Installation and Cross Tube, Main Landing Gear .....                                         | 59-1 | 59               |
| Bulkhead Installation Assembly (FS 125) .....                                                         | 60-1 | 60               |
| Frame and Intercostal Installation (FS 125 to FS 135) .....                                           | 61-1 | 61               |
| Floor Installation, Pilot (Part 1) (FS 125 to FS 135) .....                                           | 62-1 | 62               |
| Floor Installation, Pilot (Part 2) (FS 125 to FS 135) .....                                           | 63-1 | 63               |
| Floor Installation, Pilot (FS 135 to FS 144) .....                                                    | 64-1 | 64               |
| Floor Installation, Pilot (FS 144 to FS 163) .....                                                    | 65-1 | 65               |

## TABLE OF CONTENTS – Continued

|                                                                                | Page  | Illus/<br>Figure |
|--------------------------------------------------------------------------------|-------|------------------|
| Support Installation, Ammunition Chute (Part 1) .....                          | 66-1  | 66               |
| Support Installation, Ammunition Chute (Part 2) .....                          | 66A-1 | 66A              |
| Bulkhead Installation, Canted (Pilot) .....                                    | 67-1  | 67               |
| Structure Installation Assembly, Upper Pilot Bulkhead (Left Side) (Part 1) ... | 68-1  | 68               |
| Structure Installation Assembly, Upper Pilot Bulkhead (Left Side) (Part 2) ... | 69-1  | 69               |
| Structure Installation Assembly, Upper Pilot Bulkhead (Right Side) .....       | 70-1  | 70               |
| Structure Installation Assembly, Upper Pilot Bulkhead (Top) .....              | 71-1  | 71               |
| Bulkhead Installation Assembly, Pilot .....                                    | 72-1  | 72               |
| Frame Installation, Fuselage Center (FS 144 and FS 154) .....                  | 73-1  | 73               |
| Support Installation (FS 125 to FS 163) .....                                  | 74-1  | 74               |
| Pan, Fuel Cell Restraint (FS 135 to FS163) .....                               | 75-1  | 75               |
| Frame and Intercostal Installation (FS163) .....                               | 76-1  | 76               |
| Frame and Intercostal Installation (FS176) .....                               | 76A-1 | 76A              |
| Frame and Intercostal Installation (FS 182 to FS199) .....                     | 77-1  | 77               |
| Frame Installation (FS199 to FS 214) .....                                     | 78-1  | 78               |
| Support Installation, Ammunition Magazine .....                                | 79-1  | 79               |
| Frame Installation (FS230) .....                                               | 80-1  | 80               |
| Frame and Intercostal Installation (FS 230 to FS 238) .....                    | 81-1  | 81               |
| Frame and Intercostal Installation (FS 247 to FS 269) .....                    | 82-1  | 82               |
| Longeron Installation .....                                                    | 83-1  | 83               |
| Skin and Stringer Installation (LH Side) .....                                 | 84-1  | 84               |
| Skin and Stringer Installation (RH Side) .....                                 | 85-1  | 85               |
| Dagger Installation, Fuselage Stringer Splice .....                            | 86-1  | 86               |
| Walkway Installation (FS 115 to FS 199) (Part 1) .....                         | 87-1  | 87               |
| Walkway Installation (LH Side) (FS 115 to FS 163) (Part 2) .....               | 88-1  | 88               |
| Walkway Installation (RH Side) (FS 115 to FS 163) (Part 3) .....               | 89-1  | 89               |
| Walkway Installation (LH Side) (FS 115 to FS 199) (Part 4) .....               | 90-1  | 90               |
| Walkway Installation (RH Side) (FS 115 to FS 199) (Part 5) .....               | 91-1  | 91               |
| Catwalk Installation, Upper Fuselage (FS 229 to FS 257) .....                  | 92-1  | 92               |
| Catwalk Installation, Upper Fuselage (FS 257 to FS 280) .....                  | 93-1  | 93               |
| Catwalk Installation, Upper Fuselage (FS 280 to FS 310) .....                  | 94-1  | 94               |
| Catwalk Installation, Upper Fuselage (FS 310 to FS 340) .....                  | 95-1  | 95               |
| Deck Installation Assembly (FS 158 to FS 188) .....                            | 96-1  | 96               |
| Deck Installation Assembly (FS 188 to FS 238) .....                            | 97-1  | 97               |
| Deck Installation Assembly (FS 238 to FS 258) .....                            | 98-1  | 98               |
| Deck Installation Assembly (FS 258 to FS 280) .....                            | 99-1  | 99               |
| Splice Installation (FS436 to FS 476) (Part 1) .....                           | 100-1 | 100              |
| Splice Installation (FS436 to FS 476) (Part 2) .....                           | 101-1 | 101              |
| Crew Station Sealing .....                                                     | 102-1 | 102              |
| Splice Plate Installation .....                                                | 103-1 | 103              |
| AFT Fuselage Assembly LH .....                                                 | 104-1 | 104              |

## TABLE OF CONTENTS – Continued

|                                                                     | Page   | Illus/<br>Figure |
|---------------------------------------------------------------------|--------|------------------|
| Electronic Compartment Installation LH .....                        | 105-1  | 105              |
| Stowage Compartment Installation LH .....                           | 106-1  | 106              |
| Frame Installation Assembly .....                                   | 107-1  | 107              |
| Frame Installation Assembly .....                                   | 108-1  | 108              |
| Skin and Stringer Installation Assembly LH (Part 1) .....           | 109-1  | 109              |
| Skin and Stringer Installation Assembly RH (Part 2) .....           | 110-1  | 110              |
| Skin and Stringer Installation Assembly LH (Part 3) .....           | 110A-1 | 110A             |
| Skin and Stringer Installation Assembly LH (Part 4) .....           | 110B-1 | 110B             |
| Skin and Stringer Installation Assembly LH (Part 5) .....           | 110C-1 | 110C             |
| Support Installation Assembly, Nacelle Carry-Thru (FS 284) .....    | 111-1  | 111              |
| Deck Installation Assembly (Brackets) (FS 280 to FS 300) .....      | 112-1  | 112              |
| Deck Installation Assembly (Brackets) (FS 300 to FS 330) .....      | 113-1  | 113              |
| Deck Installation Assembly (Brackets) (FS 330 to FS 370) .....      | 114-1  | 114              |
| Deck Installation Assembly (Stringers) .....                        | 115-1  | 115              |
| AFT Fuselage Assembly RH .....                                      | 116-1  | 116              |
| AFT Fuselage Door Assembly RH .....                                 | 117-1  | 117              |
| Support Installation Assembly Electronic Compartment (Part 1) ..... | 118-1  | 118              |
| Support Installation Assembly Electronic Compartment (Part 2) ..... | 119-1  | 119              |
| Support Installation Assembly Electronic Compartment (Part 3) ..... | 120-1  | 120              |
| AFT Fuselage Frame Installation RH (FS 290 to FS 310) .....         | 121-1  | 121              |
| AFT Fuselage Frame Installation RH (FS 310 to FS 370) .....         | 122-1  | 122              |
| Drain Pan Installation, Tail Boom Fluid .....                       | 123-1  | 123              |
| Tailboom Assembly (Part 1) .....                                    | 124-1  | 124              |
| Tailboom Assembly (Part 2) .....                                    | 125-1  | 125              |
| Skin Installation FS 515 .....                                      | 125A-1 | 125A             |
| Empennage Installation .....                                        | 126-1  | 126              |
| Spar Box Assembly, Vertical Stabilizer .....                        | 127-1  | 127              |
| Bracket Assembly, Upper Closing Rib, Vertical Stabilizer .....      | 128-1  | 128              |
| Stabilizer, Vertical Tip and Antenna Trailing Edge Assembly .....   | 129-1  | 129              |
| Spar Assembly, Forward Vertical Stabilizer .....                    | 130-1  | 130              |
| Stabilizer, Vertical Lower Leading Edge Fairing Installation .....  | 131-1  | 131              |
| Stabilizer, Vertical Lower Leading Edge Fairing Installation .....  | 131A-1 | 131A             |
| Stabilizer, Vertical Center Leading Edge Fairing Installation ..... | 132-1  | 132              |
| Stabilizer, Vertical Upper Leading Edge Fairing Installation .....  | 133-1  | 133              |
| Stabilator Assembly (Outer) .....                                   | 134-1  | 134              |
| Stabilator Assembly (Spars) .....                                   | 135-1  | 135              |
| Stabilator Assembly (Ribs) .....                                    | 136-1  | 136              |
| Wing Installation .....                                             | 137-1  | 137              |
| Wing Assembly, Aircraft Rib Installation .....                      | 138-1  | 138              |
| Wing Assembly, Aircraft Skin and Stringer Panel Installation .....  | 139-1  | 139              |
| Wing Assembly, Aircraft Spar Installation .....                     | 140-1  | 140              |

## TABLE OF CONTENTS – Continued

|                                                                                   | Page   | Illus/<br>Figure |
|-----------------------------------------------------------------------------------|--------|------------------|
| Wing Assembly, Aircraft Trailing Edge Installation .....                          | 141-1  | 141              |
| Fairing Installation, Nose Gearbox .....                                          | 142-1  | 142              |
| Fairing Installation, Fuselage .....                                              | 143-1  | 143              |
| Fairing Assembly, Doghouse .....                                                  | 144-1  | 144              |
| Fairing Installation Assembly, Main Rotor Shaft .....                             | 145-1  | 145              |
| Fairing Installation Assembly, Main Rotor Shaft .....                             | 145A-1 | 145A             |
| Cover Assembly, Sensor AN/AVR2A .....                                             | 145B-1 | 145B             |
| Fairing Installation Assembly, Main Rotor Shaft (Center Section) .....            | 146-1  | 146              |
| Frame Installation Assembly, Upper Fuselage Fairing<br>(FS 219 to FS 231) .....   | 147-1  | 147              |
| Support Installation Assembly, Door Hinges and Upper Fuselage Fairings ..         | 148-1  | 148              |
| Door Installation Assembly, Upper Fuselage Fairing LH<br>(FS 230 to FS 270) ..... | 149-1  | 149              |
| Door Installation Assembly, Upper Fuselage Fairing RH<br>(FS 230 to FS 270) ..... | 150-1  | 150              |
| Fairing Installation Assembly (LH Side) (FS 270 to FS 313) .....                  | 151-1  | 151              |
| Fairing Installation RH (FS 270 to FS 313) .....                                  | 152-1  | 152              |
| Door Installation Assembly, Upper Fuselage Fairing (FS 270 to FS 313) ....        | 153-1  | 153              |
| Fairing Installation Assembly, Hydraulic Access RH (FS 313 to FS 340) ....        | 154-1  | 154              |
| Door Installation Assembly LH (FS 313 to FS 340) .....                            | 155-1  | 155              |
| Fairing Installation (FS 340 to FS 370) .....                                     | 156-1  | 156              |
| Fairing Installation Assembly, Tail Rotor Shaft (FS 370 to FS 450) .....          | 157-1  | 157              |
| Fairing Installation Assembly, Tail Rotor Shaft (FS 450 to FS 503) .....          | 158-1  | 158              |
| Fairing Installation Assembly, Tailboom Closeout .....                            | 159-1  | 159              |
| Fairing, Antenna Installation, ADF Sensor .....                                   | 160-1  | 160              |
| Fairing Installation Assembly, Doppler (FS 330) .....                             | 161-1  | 161              |
| Fairing Installation Assembly, Louver (FS 221 to FS 247) .....                    | 162-1  | 162              |
| Fairing Installation Assembly, FAB Extension .....                                | 163-1  | 163              |
| Fairing Installation Assembly, FAB Extension .....                                | 163A-1 | 163A             |
| Fairing Installation, Ammunition Feed System LH .....                             | 164-1  | 164              |
| Fairing, Fuselage LH (FS 163 to FS 189) .....                                     | 165-1  | 165              |
| Fairing Assembly, Fuselage LH (FS 115 to FS 163) .....                            | 166-1  | 166              |
| Fairing Installation, Ammunition Feed System RH .....                             | 167-1  | 167              |
| Fairing, Ammunition Feed RH (FS 163 to FS 189) .....                              | 168-1  | 168              |
| Fairing, Ammunition Feed RH (FS 115 to FS 163) .....                              | 169-1  | 169              |
| Panel Installation, Transmission Access .....                                     | 170-1  | 170              |
| Support Installation, Transmission Access Panel .....                             | 171-1  | 171              |
| Longeron Installation, Upper Fuselage Fairing .....                               | 172-1  | 172              |
| Engine Nacelle Installation .....                                                 | 173-1  | 173              |
| Door, Access, Work Platform .....                                                 | 174-1  | 174              |
| Nacelle Assembly, LH Doors (Part 1) .....                                         | 175-1  | 175              |
| Nacelle Assembly, RH Doors (Part 1) .....                                         | 176-1  | 176              |

## TABLE OF CONTENTS – Continued

|                                                                         | Page  | Illus/<br>Figure |
|-------------------------------------------------------------------------|-------|------------------|
| Nacelle Assembly (Part 2) .....                                         | 177-1 | 177              |
| Nacelle Assembly (Part 3) .....                                         | 178-1 | 178              |
| Nacelle Assembly (Part 4) .....                                         | 179-1 | 179              |
| Door Installation, Engine Access and Ventilation .....                  | 180-1 | 180              |
| Firewall Assembly LH (Part 1) .....                                     | 181-1 | 181              |
| Firewall Assembly LH (Part 2) .....                                     | 182-1 | 182              |
| Firewall Assembly LH (Part 3) .....                                     | 183-1 | 183              |
| Firewall Assembly RH (Part 1) .....                                     | 184-1 | 184              |
| Firewall Assembly RH (Part 2) .....                                     | 185-1 | 185              |
| Firewall Assembly RH (Part 3) .....                                     | 186-1 | 186              |
| Skin and Louver Installation, Nacelle .....                             | 187-1 | 187              |
| Frame Installation, Canted Nacelle .....                                | 188-1 | 188              |
| Air Inlet Assembly .....                                                | 189-1 | 189              |
| Support Installation, Rotor .....                                       | 190-1 | 190              |
| Glareshield Installation, Forward LH (Curtain and Extension) .....      | 191-1 | 191              |
| Glareshield Assembly, Forward Fixed LH .....                            | 192-1 | 192              |
| Glareshield Installation, Forward RH (Curtain and Extension) .....      | 193-1 | 193              |
| Glareshield Assembly, Forward Fixed RH .....                            | 194-1 | 194              |
| Glareshield Installation, AFT LH (Curtain and Extension) .....          | 195-1 | 195              |
| Glareshield Installation, AFT RH (Curtain and Extension) .....          | 196-1 | 196              |
| Glareshield Assembly, AFT Fixed .....                                   | 197-1 | 197              |
| Glareshield Installation, AFT Vertical .....                            | 198-1 | 198              |
| Instrument Panel Installation, Copilot/Gunner .....                     | 199-1 | 199              |
| Console Installation, Copilot/Gunner (LH Side) .....                    | 200-1 | 200              |
| Console Installation, Copilot/Gunner (RH Side) .....                    | 201-1 | 201              |
| Instrument Panel Installation, Pilot (Part 1) .....                     | 202-1 | 202              |
| Instrument Panel Installation, Pilot (Part 2) .....                     | 203-1 | 203              |
| Console Installation, Pilot (LH Side) .....                             | 204-1 | 204              |
| Panel Assembly, AFT Cockpit Stow Box .....                              | 205-1 | 205              |
| Console Installation, Pilot (RH Side) .....                             | 206-1 | 206              |
| Armored Crew Seat Installation .....                                    | 207-1 | 207              |
| Seat, Aircraft, Armored .....                                           | 208-1 | 208              |
| Seat, Aircraft, Armored (Restraint) .....                               | 209-1 | 209              |
| Seat, Armored/Cushion (Wing Panels, Cushions and Bucket) (Norton) ..... | 210-1 | 210              |
| Seat, Armored/Cushion (Wing Panels, Cushions and Bucket) (Ceradyne) ..  | 211-1 | 211              |
| Bucket Assembly .....                                                   | 212-1 | 212              |
| Frame Assembly (Handle, Track and Attenuator) .....                     | 213-1 | 213              |
| Frame Assembly (Crossmembers) .....                                     | 214-1 | 214              |
| Frame Assembly (Fittings) .....                                         | 215-1 | 215              |
| Non-Transparent Barrier Assembly .....                                  | 216-1 | 216              |
| Transparent Barrier Installation .....                                  | 217-1 | 217              |

## TABLE OF CONTENTS – Continued

|                                                                                                            | Page   | Illus/<br>Figure |
|------------------------------------------------------------------------------------------------------------|--------|------------------|
| Armor Side and Floor Panels (FS 46 to FS 69) .....                                                         | 218-1  | 218              |
| Armor Side Panels (FS 115 to FS 145) .....                                                                 | 219-1  | 219              |
| Scuff Plate Installation, Pilot and Copilot/Gunner .....                                                   | 220-1  | 220              |
| Compartment, Map Stowage (Copilot/Gunner) and Holster Installation,<br>IHADSS Display Unit .....           | 221-1  | 221              |
| Fairing Installation, Sensor Surveying Unit Mount (Copilot/Gunner)                                         | 222-1  | 222              |
| Boresight Mount Installation, AFT Cockpit .....                                                            | 223-1  | 223              |
| Thermal Insulation Installation, Cockpit .....                                                             | 224-1  | 224              |
| Pouch Installation, Mask (Cockpit) .....                                                                   | 225-1  | 225              |
| Foot Guard, Seat Installation (Pilot and Copilot/Gunner) and Mirror<br>Installation (Copilot/Gunner) ..... | 226-1  | 226              |
| Plate Installation, Mount Sensor Surveying Unit .....                                                      | 227-1  | 227              |
| Wire Strike Protection Installation, Lower .....                                                           | 228-1  | 228              |
| Wire Strike Protection Installation, Upper .....                                                           | 229-1  | 229              |
| Wire Strike Protection Installation, TADS/PNVS .....                                                       | 230-1  | 230              |
| Cutter Cable, Aircraft, PNVS .....                                                                         | 231-1  | 231              |
| Mount, Sensor, Forward (Left Side) AH-64A/AVR-2A .....                                                     | 231A-1 | 231A             |
| Mount, Sensor, Forward (Right Side) AH-64A/AVR-2A .....                                                    | 231B-1 | 231B             |
| Mount, Sensor, AFT (Left Side) AH-64A/AVR-2A .....                                                         | 231C-1 | 231C             |
| Mount, Sensor, AFT (Right Side) AH-64A/AVR-2A .....                                                        | 231D-1 | 231D             |
| Connector, Stowage Installation AH-64A/AVR-2A .....                                                        | 231E-1 | 231E             |
| Vent Installation AH-64A/AVR-2A .....                                                                      | 231F-1 | 231F             |
| Doubler Installation, AGES Connector AH-64A/AVR-2A .....                                                   | 231G-1 | 231G             |
| Grommet Installation, Wire Feed Thru AH-64A/AVR-2A .....                                                   | 231H-1 | 231H             |
| Clamping Stations Installation, Tailboom AH-64A/AVR-2A .....                                               | 231I-1 | 231I             |
| Shelf Installation, AFT Avionics Bay, LH AH-64A/AVR-2A .....                                               | 231J-1 | 231J             |
| Group 03 Landing Gear                                                                                      |        |                  |
| Landing Gear Installation (Main and Tail) .....                                                            | 232-1  | 232              |
| Main Landing Gear Installation .....                                                                       | 233-1  | 233              |
| Wire Strike Protection Installation, Main Landing Gear .....                                               | 234-1  | 234              |
| Wheel, Landing Gear (Parker-Hannifin) .....                                                                | 235-1  | 235              |
| Wheel, Landing Gear (Goodyear) .....                                                                       | 236-1  | 236              |
| Landing Gear Assembly .....                                                                                | 237-1  | 237              |
| Tail, Landing Gear Assembly .....                                                                          | 238-1  | 238              |
| Wire Strike Protection Installation, Tail Landing Gear .....                                               | 239-1  | 239              |
| Wheel Assembly, Tail Landing Gear (Parker-Hannifin) .....                                                  | 240-1  | 240              |
| Wheel Assembly, Tail Landing Gear (Goodyear) .....                                                         | 241-1  | 241              |
| Landing Gear, Fixed Tail Landing Gear Subassembly (Fork and Arm) .....                                     | 242-1  | 242              |
| Shock Strut Assembly, Fixed Tail Landing Gear .....                                                        | 243-1  | 243              |
| Landing Gear, Fixed Tail Landing Gear Subassembly<br>(Gear Lock and Actuator) .....                        | 244-1  | 244              |

## TABLE OF CONTENTS – Continued

|                                                                                       | Page  | Illus/<br>Figure |
|---------------------------------------------------------------------------------------|-------|------------------|
| Brake System Installation (Master Cylinders) .....                                    | 245-1 | 245              |
| Brake System Installation (Forward Tubing) (Part 1) .....                             | 246-1 | 246              |
| Brake System Installation (Forward Tubing) (Part 2) .....                             | 247-1 | 247              |
| Brake System Installation (Upper Tubing) LH .....                                     | 248-1 | 248              |
| Brake System Installation (Upper Tubing) RH .....                                     | 249-1 | 249              |
| Brake System Installation (Parking Brake Cable and Valves) .....                      | 250-1 | 250              |
| Valve, Rotary, Direct .....                                                           | 251-1 | 251              |
| Brake System Installation (AFT Lower Tubing) (Left Side) .....                        | 252-1 | 252              |
| Brake System Installation (AFT Lower Tubing) (Right Side) .....                       | 253-1 | 253              |
| Brake, Single Disk (Goodyear) .....                                                   | 254-1 | 254              |
| Brake, Single Disk (Parker-Hannifin) .....                                            | 255-1 | 255              |
| Group 04    Power Plants                                                              |       |                  |
| Panel Assembly, Emergency Power Check .....                                           | 256-1 | 256              |
| Engine Subsystems Installation<br>(Inlet Particle Separator and Primary Nozzle) ..... | 257-1 | 257              |
| Engine Starter Installation .....                                                     | 258-1 | 258              |
| Bleed Air and Anti-Icing System Installation .....                                    | 259-1 | 259              |
| Engine Nacelle Subsystem Installation (Rods and Supports) .....                       | 260-1 | 260              |
| Engine Nacelle Subsystem Installation (Cowl and Actuator Tubing) .....                | 261-1 | 261              |
| Engine Nacelle Subsystem Installation (Radiation Shields) .....                       | 262-1 | 262              |
| Engine Quick Change Drain System .....                                                | 263-1 | 263              |
| Engine Quick Change Mount Assembly .....                                              | 264-1 | 264              |
| Engine Firewall Louver Installation .....                                             | 265-1 | 265              |
| Louver Assembly, Engine Cooling .....                                                 | 266-1 | 266              |
| Nozzle Installation, Secondary Infrared Suppressor .....                              | 267-1 | 267              |
| Nozzle Assembly, Secondary IRS (Outboard and Center) .....                            | 268-1 | 268              |
| Nozzle Assembly, Secondary IRS (Inboard) .....                                        | 269-1 | 269              |
| Control Unit, Turbine Engine Speed .....                                              | 270-1 | 270              |
| Engine Control Subsystem Installation (FS 71 to FS 103) .....                         | 271-1 | 271              |
| Engine Control Subsystem Installation (FS 103 to FS 140) .....                        | 272-1 | 272              |
| Quadrant Assembly, Pilot Power (Panel and Levers) .....                               | 273-1 | 273              |
| Quadrant Assembly, Pilot Power (Mechanism and Seals) .....                            | 274-1 | 274              |
| Quadrant Assembly, Pilot Power (Part 1) .....                                         | 275-1 | 275              |
| Quadrant Assembly, Pilot Power (Part 2) .....                                         | 276-1 | 276              |
| Quadrant Assembly, Pilot Power (Part 3) .....                                         | 277-1 | 277              |
| Lever, Remote Control .....                                                           | 278-1 | 278              |
| Quadrant, Control Copilot/Gunner .....                                                | 279-1 | 279              |
| Engine Control Subsystem Installation (FS 140 to FS 219) .....                        | 280-1 | 280              |
| Engine Control Subsystem Installation (FS 175 to FS 219) .....                        | 281-1 | 281              |
| Engine Controls Installation (LH Nacelle) .....                                       | 282-1 | 282              |
| Engine Buildup Assembly LH .....                                                      | 283-1 | 283              |



## TABLE OF CONTENTS – Continued

|                                                                                              | Page  | Illus/<br>Figure |
|----------------------------------------------------------------------------------------------|-------|------------------|
| Engine Controls Installation (RH Nacelle) .....                                              | 284-1 | 284              |
| Engine Buildup Assembly RH .....                                                             | 285-1 | 285              |
| Wiring Installation, No. 1 Engine (Part 1) .....                                             | 286-1 | 286              |
| Wiring Installation, No. 1 Engine (Part 2) .....                                             | 287-1 | 287              |
| Wiring Installation, No. 2 Engine (Part 1) .....                                             | 288-1 | 288              |
| Wiring Installation, No. 2 Engine (Part 2) .....                                             | 289-1 | 289              |
| Group 05 Rotors                                                                              |       |                  |
| Main Rotor Head and Blade Installation .....                                                 | 290-1 | 290              |
| Head, Rotary Wing (Dampers) .....                                                            | 291-1 | 291              |
| Head, Rotary Wing (Housing and Links) .....                                                  | 292-1 | 292              |
| Head, Rotary Wing (Strap) .....                                                              | 293-1 | 293              |
| Head, Rotary Wing (Hub) .....                                                                | 294-1 | 294              |
| Blade, Rotary Wing .....                                                                     | 295-1 | 295              |
| Tail Rotor Installation (Head Blades) .....                                                  | 296-1 | 296              |
| Blade, Rotary Rudder, Tail Rotor .....                                                       | 297-1 | 297              |
| Group 06 Drive Train                                                                         |       |                  |
| Drive System Shaft and Coupling Installation (FS 220 to FS 249) .....                        | 298-1 | 298              |
| Drive System Shaft and Coupling Installation (FS 253 to FS 551) .....                        | 299-1 | 299              |
| Drive System Shaft and Coupling Installation (Dampers and Anti-Flail) .....                  | 300-1 | 300              |
| Main Transmission and Lube System Installation<br>(Drive Shaft and Mast) .....               | 301-1 | 301              |
| Main Transmission and Lube System Installation<br>(Hoses and Heat Exchanger) (LH Side) ..... | 302-1 | 302              |
| Main Transmission and Lube System Installation<br>(Hoses and Heat Exchanger) (RH Side) ..... | 303-1 | 303              |
| Mast Assembly, Air Data Sensor .....                                                         | 304-1 | 304              |
| Transmission, Main (Part 1) .....                                                            | 305-1 | 305              |
| Transmission, Main (Part 2) .....                                                            | 306-1 | 306              |
| Transmission, Main (Part 3) .....                                                            | 307-1 | 307              |
| Transmission, Main (Part 4) .....                                                            | 308-1 | 308              |
| Transmission, Main (Part 5) .....                                                            | 309-1 | 309              |
| Rotor, Disc Brake (Parker-Hannifin) .....                                                    | 310-1 | 310              |
| Rotor, Disc Brake (Goodyear) .....                                                           | 311-1 | 311              |
| Main Transmission Seal Drain Tube Installation .....                                         | 312-1 | 312              |
| Engine Nose Gearbox Installation .....                                                       | 313-1 | 313              |
| Gearbox, Engine Nose .....                                                                   | 314-1 | 314              |
| Bowl Assembly, Lube Pump .....                                                               | 315-1 | 315              |
| Intermediate Gearbox Installation .....                                                      | 316-1 | 316              |
| Brace Installation, Tail Rotor Gearbox .....                                                 | 317-1 | 317              |
| Tail Rotor Gearbox Installation .....                                                        | 318-1 | 318              |

## TABLE OF CONTENTS – Continued

|                                                                                          | Page  | Illus/<br>Figure |
|------------------------------------------------------------------------------------------|-------|------------------|
| Group 07    Hydraulic/Pneumatic Systems                                                  |       |                  |
| Hydraulic System Installation (FS 165 to FS 199) (LH Side) .....                         | 319-1 | 319              |
| Manifold, Hydraulic (Part 1) .....                                                       | 320-1 | 320              |
| Manifold, Hydraulic (Part 2) .....                                                       | 321-1 | 321              |
| Manifold Assembly, Reservoir .....                                                       | 322-1 | 322              |
| Hydraulic System Installation (FS 165 to FS 230) (RH Side) .....                         | 323-1 | 323              |
| Utility Pump and Tube Assembly .....                                                     | 324-1 | 324              |
| Main Rotor Servocylinder, Grounding Cable and Mounting Hardware .....                    | 325-1 | 325              |
| Servocylinder Assembly, Main Rotor, Collective and Lateral<br>(Valves and Filters) ..... | 326-1 | 326              |
| Servocylinder Assembly, Main Rotor, Longitudinal (Valves and Filters) .....              | 327-1 | 327              |
| Control Pressure Tube Assembly (FS 165 to FS 230) .....                                  | 328-1 | 328              |
| Control Return Tube Assembly (FS 165 to FS 230) .....                                    | 329-1 | 329              |
| Hydraulic System Installation (FS 199 to FS 230) (LH Side) .....                         | 330-1 | 330              |
| Hydraulic System Installation below WL 145, Forward of FS 230 (LH Side) .                | 331-1 | 331              |
| Hydraulic System Installation (FS 230 to FS 370) (LH Side) .....                         | 332-1 | 332              |
| Hydraulic System Installation (FS 230 to FS 255) (RH Side) .....                         | 333-1 | 333              |
| Hydraulic System Installation (FS 255 to FS 290) (RH Side) .....                         | 334-1 | 334              |
| Accumulator, Hydraulic .....                                                             | 335-1 | 335              |
| Tube Assembly, Metal .....                                                               | 336-1 | 336              |
| Hydraulic System Installation (FS 290 to FS 310) (RH Side) .....                         | 337-1 | 337              |
| Hydraulic System Installation (FS 310 to FS 340) (RH Side) .....                         | 338-1 | 338              |
| Manifold, Hydraulic (Part 1) .....                                                       | 339-1 | 339              |
| Manifold, Hydraulic (Part 2) .....                                                       | 340-1 | 340              |
| Manifold, Hydraulic (Part 3) .....                                                       | 341-1 | 341              |
| Manifold Assembly, Utility .....                                                         | 342-1 | 342              |
| Primary Ground Service Panel Assembly .....                                              | 343-1 | 343              |
| Pump, Hydraulic RAM .....                                                                | 344-1 | 344              |
| Utility Ground Service Panel Assembly .....                                              | 345-1 | 345              |
| Primary Pressure Tube Assembly .....                                                     | 346-1 | 346              |
| Return Tube Assembly .....                                                               | 347-1 | 347              |
| Hydraulic System Installation, AFT Tailboom (LH Side) .....                              | 348-1 | 348              |
| Hydraulic System Installation, AFT Tailboom (RH Side) .....                              | 349-1 | 349              |
| Utility Pressure and Return Tube Assembly .....                                          | 350-1 | 350              |
| Utility Auxiliary Pressure and Return Tube Assembly (Part 1) .....                       | 351-1 | 351              |
| Utility Auxiliary Pressure and Return Tube Assembly (Part 2) .....                       | 352-1 | 352              |
| Accumulator, Hydraulic Utility System .....                                              | 353-1 | 353              |
| Hydraulic System Installation (Wing) .....                                               | 354-1 | 354              |
| Hydraulic System Installation (Vertical Stabilizer) .....                                | 355-1 | 355              |
| Servocylinder, Tail Rotor (Valves and Filters) .....                                     | 356-1 | 356              |
| Hydraulic Line and Tailboom Armor Installation .....                                     | 357-1 | 357              |

## TABLE OF CONTENTS – Continued

|                                                                                                   | Page  | Illus/<br>Figure |
|---------------------------------------------------------------------------------------------------|-------|------------------|
| Pressurized Air System Installation (FS 176 to FS 250) (Lower) .....                              | 358-1 | 358              |
| Pressurized Air System Installation (FS 250 to FS 330) (Lower) .....                              | 359-1 | 359              |
| Pressurized Air System Installation (FS 176 to FS 330)<br>(Hydraulic Manifolds Precharge) .....   | 360-1 | 360              |
| Pressurized Air System Installation (FS 223) (Part 1) .....                                       | 361-1 | 361              |
| Pressurized Air System Installation (FS 223) (Part 2) .....                                       | 362-1 | 362              |
| Pressurized Air System Installation (FS 220 to FS 250) (Part 3) .....                             | 363-1 | 363              |
| Rotor, Compressor, Gas .....                                                                      | 364-1 | 364              |
| Particle Separator Assembly .....                                                                 | 365-1 | 365              |
| Pressurized Air System Installation (FS 174 to FS 250) (Upper) .....                              | 366-1 | 366              |
| Pressurized Air System Installation (FS 247) .....                                                | 367-1 | 367              |
| Pressurized Air System Installation (FS 250 to FS 280) (Part 4) .....                             | 368-1 | 368              |
| Pressurized Air System, Nacelle .....                                                             | 369-1 | 369              |
| <br>Group 08   Instrument System                                                                  |       |                  |
| Pilot and Copilot/Gunner Instrument Panel (Engine Instruments) .....                              | 370-1 | 370              |
| Access, Indicator, Engine Torque .....                                                            | 371-1 | 371              |
| Access, Indicator, Engine Rotor RPM .....                                                         | 372-1 | 372              |
| Access, Indicator, Turbine Gas Temperature .....                                                  | 373-1 | 373              |
| Access, Indicator, Gas Generator, RPM .....                                                       | 374-1 | 374              |
| Access, Indicator, Engine Oil Pressure .....                                                      | 375-1 | 375              |
| Access, Digital Display Panel, Selectable Parameter, Copilot/Gunner .....                         | 376-1 | 376              |
| Access, Indicator, Engine Fuel Quantity .....                                                     | 377-1 | 377              |
| Dim and Test Unit .....                                                                           | 378-1 | 378              |
| Control Box, Electronic, Windshield Anti-Ice .....                                                | 379-1 | 379              |
| Signal Conditioner, Power Supply Dimmer, Engine Out Warning Alarm,<br>Signal Data Converter ..... | 380-1 | 380              |
| Tray Assembly, Instrument .....                                                                   | 381-1 | 381              |
| Access, Signal Data Converter .....                                                               | 382-1 | 382              |
| Chassis, Electrical .....                                                                         | 383-1 | 383              |
| Electronic Component Assembly .....                                                               | 384-1 | 384              |
| Plate, Rear Assembly .....                                                                        | 385-1 | 385              |
| Pilot and Copilot/Gunner Instrument Panel (Flight Instruments) .....                              | 386-1 | 386              |
| Pitot Static System Installation (FS 115 to FS 230) LH .....                                      | 387-1 | 387              |
| Pitot Static System Installation, Pilot RH .....                                                  | 388-1 | 388              |
| Pitot Static System Installation, Copilot/Gunner RH .....                                         | 389-1 | 389              |
| Pitot Static System Installation (FS 125 to FS 295) RH .....                                      | 390-1 | 390              |
| Pitot Static System Installation (Wing) .....                                                     | 391-1 | 391              |
| Pilot and Copilot/Gunner Instrument Panel (Miscellaneous Instruments) ....                        | 392-1 | 392              |
| <br>Group 09   Electrical System                                                                  |       |                  |
| Wiring Installation, Main Rotor (De-Ice and Air Data Sensor) and Wiring<br>Harness, W109 .....    | 393-1 | 393              |

## TABLE OF CONTENTS – Continued

|                                                                                                    | Page   | Illus/<br>Figure |
|----------------------------------------------------------------------------------------------------|--------|------------------|
| Distribution Box Installation, Electrical Power .....                                              | 394-1  | 394              |
| Box Assembly, Distribution, Electrical Power (Upper) .....                                         | 395-1  | 395              |
| Box Assembly, Distribution, Electrical Power (Lower) .....                                         | 396-1  | 396              |
| Box Assembly, Distribution, Electrical Power (Structure) .....                                     | 397-1  | 397              |
| Box Assembly, Distribution, Electrical Power (Wire Harness) .....                                  | 398-1  | 398              |
| Control, Generator .....                                                                           | 399-1  | 399              |
| Wiring Harness, W668 (Part 1) .....                                                                | 400-1  | 400              |
| Wiring Harness, W668 (Part 2) .....                                                                | 401-1  | 401              |
| Wiring Harness, W668 (Part 3) .....                                                                | 402-1  | 402              |
| Wiring Harness, W668 (Part 4) .....                                                                | 403-1  | 403              |
| Panel Installation, Circuit Breaker (Pilot) .....                                                  | 404-1  | 404              |
| Circuit Breaker Installation .....                                                                 | 404A-1 | 404A             |
| Box Assembly, Circuit Breaker (Pilot) .....                                                        | 405-1  | 405              |
| Wiring Harness, W605 (Part 1) .....                                                                | 406-1  | 406              |
| Wiring Harness, W605 (Part 2) .....                                                                | 407-1  | 407              |
| Relay Box Installation, Engine 1 and 2 Start .....                                                 | 408-1  | 408              |
| Relay Box Assembly, Engine 1 and 2 Start (A330) .....                                              | 409-1  | 409              |
| Wiring Harness, W652 .....                                                                         | 410-1  | 410              |
| Transducer, Stabilator Airspeed .....                                                              | 411-1  | 411              |
| Switch, Squat .....                                                                                | 412-1  | 412              |
| Generators and Electrical Component Installation (WL 145) .....                                    | 413-1  | 413              |
| Panel Assembly, Electrical Power (Pilot) .....                                                     | 414-1  | 414              |
| Electrical Component Installation (AFT Avionics Bay) .....                                         | 415-1  | 415              |
| Connector, External Power Receptacle (J14) .....                                                   | 416-1  | 416              |
| Switch, External Power Access Door and Open Canopy Indicator .....                                 | 417-1  | 417              |
| Battery and Battery Charger .....                                                                  | 418-1  | 418              |
| Panel Assembly, Circuit Breaker No. 2 (Copilot/Gunner) .....                                       | 419-1  | 419              |
| Panel Assembly, Circuit Breaker No. 1 (Copilot/Gunner) .....                                       | 420-1  | 420              |
| Wiring Harness, W621 .....                                                                         | 421-1  | 421              |
| Panel Assembly, Interior/Exterior Lights (Pilot) .....                                             | 422-1  | 422              |
| Dimming Multi-Channel Controller Assembly (Data Products) .....                                    | 423-1  | 423              |
| Chassis Assembly, Dimming Controller (Data Products) .....                                         | 424-1  | 424              |
| Utility and Glareshield Light Assembly (Copilot/Gunner) .....                                      | 425-1  | 425              |
| Utility and Glareshield Light Assembly (Pilot) .....                                               | 426-1  | 426              |
| Panel Assembly, Interior Lights (Copilot/Gunner) .....                                             | 427-1  | 427              |
| Light Assembly, Utility Alligator Clamp Maintenance and Cable Assembly,<br>Maintenance Light ..... | 428-1  | 428              |
| Exterior Light Installation, Wing .....                                                            | 429-1  | 429              |
| Light Subassembly, Anti-Collision .....                                                            | 430-1  | 430              |
| Exterior Light Installation, AFT Fuselage .....                                                    | 431-1  | 431              |
| Electrical Component Installation, RH Forward Avionics Bay .....                                   | 432-1  | 432              |

## TABLE OF CONTENTS – Continued

|                                                                        | Page  | Illus/<br>Figure |
|------------------------------------------------------------------------|-------|------------------|
| Wiring Installation, Nose (FS 35 to FS 57) LH .....                    | 433-1 | 433              |
| Wiring Installation, Nose (FS 35 to FS 57) RH .....                    | 434-1 | 434              |
| Wiring Harness, W255 (Part 1) .....                                    | 435-1 | 435              |
| Wiring Harness, W255 (Part 2) .....                                    | 436-1 | 436              |
| Wiring Harness, W255 (Part 3) .....                                    | 437-1 | 437              |
| Wiring Harness, W261 (Part 1) .....                                    | 438-1 | 438              |
| Wiring Harness, W261 (Part 2) .....                                    | 439-1 | 439              |
| Wiring Harness .....                                                   | 440-1 | 440              |
| Wiring Installation, Copilot/Gunner Console LH .....                   | 441-1 | 441              |
| Wiring Harness, W195, W197 and W219 .....                              | 442-1 | 442              |
| Wiring Harness, W145 .....                                             | 443-1 | 443              |
| Wiring Installation, Copilot/Gunner Console (FS 57 to FS 98) RH .....  | 444-1 | 444              |
| Wiring Harness, W210 .....                                             | 445-1 | 445              |
| Wiring Harness, W262 .....                                             | 446-1 | 446              |
| Wiring Harness, W266 (Part 1) .....                                    | 447-1 | 447              |
| Wiring Harness, W266 (Part 2) .....                                    | 448-1 | 448              |
| Wiring Harness, W266 (Part 3) .....                                    | 449-1 | 449              |
| Wiring Installation, below Copilot/Gunner Floor (FS 35 to FS 91) ..... | 450-1 | 450              |
| Wiring Installation, Pilot Instrument Panel (Part 1) .....             | 451-1 | 451              |
| Wiring Installation, Pilot Instrument Panel (Part 2) .....             | 452-1 | 452              |
| Wiring Harness, W645 .....                                             | 453-1 | 453              |
| Wiring Harness, W647 .....                                             | 454-1 | 454              |
| Matrix Assembly, Pilot Instrument Panel (A326) .....                   | 455-1 | 455              |
| Wiring Harness, W646 .....                                             | 456-1 | 456              |
| Support, Distributor .....                                             | 457-1 | 457              |
| Wiring Installation, Pilot Console LH (Part 1) .....                   | 458-1 | 458              |
| Wiring Installation, Pilot Console LH (Part 2) .....                   | 459-1 | 459              |
| Wiring Installation, Pilot Console LH (Part 3) .....                   | 460-1 | 460              |
| Wiring Harness, W117 (Part 1) .....                                    | 461-1 | 461              |
| Wiring Harness, W117 (Part 2) .....                                    | 462-1 | 462              |
| Wiring Harness, W117 (Part 3) .....                                    | 463-1 | 463              |
| Wiring Harness, W119 (Part 1) .....                                    | 464-1 | 464              |
| Wiring Harness, W119 (Part 2) .....                                    | 465-1 | 465              |
| Wiring Harness, W119 (Part 3) .....                                    | 466-1 | 466              |
| Wiring Harness, W119 (Part 4) .....                                    | 467-1 | 467              |
| Wiring Harness, W220 .....                                             | 468-1 | 468              |
| Wiring Installation, Pilot Console RH (Part 1) .....                   | 469-1 | 469              |
| Wiring Installation, Pilot Console RH (Part 2) .....                   | 470-1 | 470              |
| Wiring Harness, W187 and W188 .....                                    | 471-1 | 471              |
| Wiring Harness, W190 .....                                             | 472-1 | 472              |
| Wiring Harness, W207 and W212 .....                                    | 473-1 | 473              |

## TABLE OF CONTENTS – Continued

|                                                                          | Page   | Illus/<br>Figure |
|--------------------------------------------------------------------------|--------|------------------|
| Wiring Harness, W224 .....                                               | 474-1  | 474              |
| Wiring Harness, W116 (Part 1) .....                                      | 475-1  | 475              |
| Wiring Harness, W116 (Part 2) .....                                      | 476-1  | 476              |
| Wiring Harness, W116 (Part 3) .....                                      | 477-1  | 477              |
| Wiring Harness, W118 (Part 1) .....                                      | 478-1  | 478              |
| Wiring Harness, W118 (Part 2) .....                                      | 479-1  | 479              |
| Wiring Harness, W118 (Part 3) .....                                      | 480-1  | 480              |
| Wiring Harness, W118 (Part 4) .....                                      | 481-1  | 481              |
| Wiring Harness, W201 .....                                               | 482-1  | 482              |
| Wiring Installation, below Pilots Floor (FS 91 to FS 163) (Part 1) ..... | 483-1  | 483              |
| Wiring Installation, below Pilots Floor (FS 91 to FS 163) (Part 2) ..... | 484-1  | 484              |
| Wiring Installation, below Pilots Floor (FS 91 to FS 163) (Part 3) ..... | 485-1  | 485              |
| Wiring Installation, Forward Fuel Tank .....                             | 486-1  | 486              |
| Wiring Installation, Forward Avionics Bay LH .....                       | 487-1  | 487              |
| Wiring Installation, Forward Avionics Bay RH (Part 1) .....              | 488-1  | 488              |
| Wiring Installation, Forward Avionics Bay RH (Part 2) .....              | 488A-1 | 488A             |
| Wiring Installation, Main Transmission .....                             | 489-1  | 489              |
| Wiring Harness, Oil Pressure Transducer W159 and W167 .....              | 490-1  | 490              |
| Wiring Installation, Ammo Bay (Part 1) .....                             | 491-1  | 491              |
| Wiring Installation, Ammo Bay (Part 2) .....                             | 492-1  | 492              |
| Wiring Harness, W268 .....                                               | 493-1  | 493              |
| Wiring Installation, Wings (Part 1) .....                                | 494-1  | 494              |
| Wiring Installation, Wings (Part 2) .....                                | 495-1  | 495              |
| Wiring Harness, W155 .....                                               | 496-1  | 496              |
| Wiring Harness, W157 .....                                               | 497-1  | 497              |
| Wiring Harness, W156 .....                                               | 498-1  | 498              |
| Wiring Harness, W158 .....                                               | 499-1  | 499              |
| Wiring Installation, Pylon .....                                         | 500-1  | 500              |
| Wiring Harness, W601 .....                                               | 501-1  | 501              |
| Wiring Installation, AFT Deck LH (Part 1) .....                          | 502-1  | 502              |
| Wiring Installation, AFT Deck LH (Part 2) .....                          | 503-1  | 503              |
| Wiring Installation, AFT Deck LH (Part 3) .....                          | 504-1  | 504              |
| Wiring Installation, AFT Deck LH (Part 4) .....                          | 505-1  | 505              |
| Wiring Installation, AFT Deck LH (Part 5) .....                          | 506-1  | 506              |
| Wiring Installation, AFT Deck LH (Part 6) .....                          | 507-1  | 507              |
| Wiring Installation, AFT Deck LH (Part 7) .....                          | 508-1  | 508              |
| Wiring Harness, W211 (Part 1) .....                                      | 509-1  | 509              |
| Wiring Harness, W211 (Part 2) .....                                      | 510-1  | 510              |
| Wiring Harness, W211 (Part 3) .....                                      | 511-1  | 511              |
| Relay Box Installation, Stabilator .....                                 | 512-1  | 512              |
| Wiring Harness, W191 .....                                               | 513-1  | 513              |

## TABLE OF CONTENTS – Continued

|                                                                         | Page  | Illus/<br>Figure |
|-------------------------------------------------------------------------|-------|------------------|
| Wiring Installation, AFT Deck RH (Part 1) .....                         | 514-1 | 514              |
| Wiring Installation, AFT Deck RH (Part 2) .....                         | 515-1 | 515              |
| Wiring Installation, AFT Deck RH (Part 3) .....                         | 516-1 | 516              |
| Wiring Harness, W102 (Part 1) .....                                     | 517-1 | 517              |
| Wiring Harness, W102 (Part 2) .....                                     | 518-1 | 518              |
| Wiring Harness, AM/FM Tail Antenna, W209 .....                          | 519-1 | 519              |
| Wiring Harness, W216, W218, W232 .....                                  | 520-1 | 520              |
| Wiring Harness, W264 .....                                              | 521-1 | 521              |
| Wiring Installation, AFT Fuel Tank .....                                | 522-1 | 522              |
| Wiring Installation, AFT Avionics Bay (FS 280 to FS 290) (Part 1) ..... | 523-1 | 523              |
| Wiring Installation, AFT Avionics Bay (FS 280 to FS 290) (Part 2) ..... | 524-1 | 524              |
| Wiring Installation, AFT Avionics Bay (FS 280 to FS 290) (Part 3) ..... | 525-1 | 525              |
| Wiring Installation, AFT Avionics Bay (FS 290 to FS 310) (Part 4) ..... | 526-1 | 526              |
| Filter, Radio Frequency .....                                           | 527-1 | 527              |
| Wiring Harness, W108 (Part 1) .....                                     | 528-1 | 528              |
| Wiring Harness, W108 (Part 2) .....                                     | 529-1 | 529              |
| Distributor Box Assembly, AFT Avionics Bay .....                        | 530-1 | 530              |
| Wiring Installation, Tailboom (Part 1) .....                            | 531-1 | 531              |
| Wiring Installation, Tailboom (Part 2) .....                            | 532-1 | 532              |
| Wiring Installation, Tailboom (Part 3) .....                            | 533-1 | 533              |
| Wiring Installation, Tailboom (Part 4) .....                            | 534-1 | 534              |
| Wiring Installation, Tailboom (Part 5) .....                            | 535-1 | 535              |
| Wiring Harness, W170 .....                                              | 536-1 | 536              |
| Wiring Harness, ADF Loop Antenna W182, W183 and W184 .....              | 537-1 | 537              |
| Wiring Harness, W189 .....                                              | 538-1 | 538              |
| Wiring Harness, W202 and W203 .....                                     | 539-1 | 539              |
| Wiring Harness, W143 .....                                              | 540-1 | 540              |
| Wiring Harness, W213 .....                                              | 541-1 | 541              |
| Wiring Installation, Vertical Stabilator .....                          | 542-1 | 542              |
| Wiring Harness, W171 .....                                              | 543-1 | 543              |
| Wiring Harness, W115 .....                                              | 544-1 | 544              |
| Wiring Harness, W154 .....                                              | 545-1 | 545              |
| Wiring Installation, Tail Rotor (De-Ice) .....                          | 546-1 | 546              |
| Caution and Warning Components .....                                    | 547-1 | 547              |
| Panel, Fault-Function, Pilot (A106) (Housing) .....                     | 548-1 | 548              |
| Panel, Fault-Function, Pilot (A106) (Indicator Lights) .....            | 549-1 | 549              |
| Panel, Fault-Function, Copilot/Gunner (A157) (Housing) .....            | 550-1 | 550              |
| Panel, Fault-Function, Copilot/Gunner (A157) (Indicator Lights) .....   | 551-1 | 551              |
| Panel, Fault-Function, Pilot (DS28) Copilot/Gunner (DS31) .....         | 552-1 | 552              |
| Accelerometers .....                                                    | 553-1 | 553              |
| Alarm Unit, Control .....                                               | 554-1 | 554              |

## TABLE OF CONTENTS – Continued

|                                                                    | Page   | Illus/<br>Figure |
|--------------------------------------------------------------------|--------|------------------|
| Wiring Harness W226 KYK-13 Interface .....                         | 554A-1 | 554A             |
| Wiring Harness, EGI Attenuator W234 .....                          | 554B-1 | 554B             |
| Wiring Harness, Antenna Attenuator W227 .....                      | 554C-1 | 554C             |
| Cable Routing (Part 1) AH-64A/AVR-2A .....                         | 554D-1 | 554D             |
| Cable Routing (Part 2) AH-64A/AVR-2A .....                         | 554E-1 | 554E             |
| Cable Routing (Part 3) AH-64A/AVR-2A .....                         | 554F-1 | 554F             |
| Cable Routing (Part 4) AH-64A/AVR-2A .....                         | 554G-1 | 554G             |
| Wiring Harness, APR-39 Tie W670 AH-64A/AVR-2A .....                | 554H-1 | 554H             |
| Wiring Harness, Left Sensor W671 AH-64A/AVR-2A .....               | 554I-1 | 554I             |
| Wiring Harness, Right Sensor W672 AH-64A/AVR-2A .....              | 554J-1 | 554J             |
| Wiring Harness, AVR-2 Power W673 AH-64A/AVR-2A .....               | 554K-1 | 554K             |
| Wiring Harness, Blkg/AGES W674 AH-64A/AVR-2A .....                 | 554L-1 | 554L             |
| <b>Group 10 Fuel System</b>                                        |        |                  |
| Fuel Cell Installation (Forward) .....                             | 555-1  | 555              |
| Tank, Fuel, Aircraft (Amfuel) .....                                | 556-1  | 556              |
| Tank, Fuel, Aircraft (Goodyear) .....                              | 557-1  | 557              |
| Fuel Cell Installation (AFT) .....                                 | 558-1  | 558              |
| Tank, Fuel, Aircraft (Amfuel) .....                                | 559-1  | 559              |
| Tank, Fuel, Aircraft (Goodyear) .....                              | 560-1  | 560              |
| Panel Assembly, Fuel (Pilot) .....                                 | 561-1  | 561              |
| Panel Assembly, Fuel (Copilot/Gunner) .....                        | 562-1  | 562              |
| Refueling and Transfer Fuel System (Panel Assembly) .....          | 563-1  | 563              |
| Refueling and Transfer Fuel System (FS 135 to FS 168) .....        | 564-1  | 564              |
| Refueling and Transfer Fuel System (FS 176 to FS 230) .....        | 565-1  | 565              |
| Refueling and Transfer Fuel System (Air Valve and Fuel Pump) ..... | 566-1  | 566              |
| Refueling and Transfer Fuel System (FS 230 to FS 280) .....        | 567-1  | 567              |
| Manifold, Fuel Service .....                                       | 568-1  | 568              |
| Valve, Fuel-Defuel .....                                           | 569-1  | 569              |
| Fuel Vent System (Forward Cell) .....                              | 570-1  | 570              |
| Fuel Vent System (AFT Cell) .....                                  | 571-1  | 571              |
| Engine Fuel Supply Installation (FS 172 to FS 222) .....           | 572-1  | 572              |
| Engine Fuel Supply Installation (FS 222 to FS 225) .....           | 573-1  | 573              |
| Engine Fuel Supply Installation (FS 230) RH .....                  | 574-1  | 574              |
| Engine Fuel Supply Installation (FS 230 to FS 280) .....           | 575-1  | 575              |
| Fuel Subsystem Installation (Forward Fuel Cell) .....              | 576-1  | 576              |
| Fuel Subsystem Installation (AFT Fuel Cell) .....                  | 577-1  | 577              |
| Rigid Foam Armor, Fuel Cell (FWD and AFT) .....                    | 578-1  | 578              |
| Panel Assembly, N2 Inerting .....                                  | 579-1  | 579              |
| Nitrogen Inerting Unit System Installation (Part 1) .....          | 580-1  | 580              |
| Nitrogen Inerting Unit System Installation (Part 2) .....          | 581-1  | 581              |
| Nitrogen Inerting Unit System Installation (Part 3) .....          | 582-1  | 582              |



## TABLE OF CONTENTS – Continued

|                                                                                  | Page  | Illus/<br>Figure |
|----------------------------------------------------------------------------------|-------|------------------|
| Kit, Auxiliary Wing Tanks (2 Tanks) (Part 1) .....                               | 583-1 | 583              |
| Kit, Auxiliary Wing Tanks (2 Tanks) (Part 2) .....                               | 584-1 | 584              |
| Kit, Auxiliary Wing Tanks (4 Tanks) (Part 1) .....                               | 585-1 | 585              |
| Kit, Auxiliary Wing Tanks (4 Tanks) (Part 2) .....                               | 586-1 | 586              |
| Group 11 Flight Control System                                                   |       |                  |
| Rotor Controls, Upper Main (Pitch Links and Scissors) .....                      | 587-1 | 587              |
| Rotor Controls, Upper Main (Torque and Lateral Links) .....                      | 588-1 | 588              |
| Rotor Controls, Upper Main (Forward Longitudinals) .....                         | 589-1 | 589              |
| Rotor Controls, Upper Main (AFT Longitudinals) .....                             | 590-1 | 590              |
| Rotor Controls, Upper Main (Collective and Laterals) .....                       | 591-1 | 591              |
| Stick Installation, Collective (Pilot and Copilot/Gunner) .....                  | 592-1 | 592              |
| Control Stick, Aircraft (Pilot and Copilot/Gunner) .....                         | 593-1 | 593              |
| Grip Assembly, Control, Collective Stick (Pilot and Copilot/Gunner) .....        | 594-1 | 594              |
| Switch Assembly .....                                                            | 595-1 | 595              |
| Stick Installation, Pilot Collective (Support) .....                             | 596-1 | 596              |
| Support Assembly, Collective Stick (Pilot) .....                                 | 597-1 | 597              |
| Stick Installation, Copilot/Gunner Collective (Support) .....                    | 598-1 | 598              |
| Support Assembly, Collective Stick (Copilot/Gunner) .....                        | 599-1 | 599              |
| Protective Cover Installation, Collective Stick .....                            | 600-1 | 600              |
| Stick Installation, Pilot Cyclic .....                                           | 601-1 | 601              |
| Control Stick, Aircraft .....                                                    | 602-1 | 602              |
| Housing Assembly, Cyclic Stick (Pilot) .....                                     | 603-1 | 603              |
| Stick Installation, Copilot/Gunner Cyclic .....                                  | 604-1 | 604              |
| Control Stick, Aircraft (Part 1) .....                                           | 605-1 | 605              |
| Control Stick, Aircraft (Part 2) .....                                           | 606-1 | 606              |
| Housing Assembly, Cyclic, Copilot/Gunner (Part 1) .....                          | 607-1 | 607              |
| Housing Assembly, Cyclic, Copilot/Gunner (Part 2) .....                          | 608-1 | 608              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Directional) (Part 1) ... | 609-1 | 609              |
| SPAD Assembly, Directional (Copilot/Gunner) .....                                | 610-1 | 610              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Directional) (Part 2) ... | 611-1 | 611              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Directional) (Part 3) ... | 612-1 | 612              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Collective) .....         | 613-1 | 613              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Longitudinal) (Part 1) .. | 614-1 | 614              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Longitudinal) (Part 2) .. | 615-1 | 615              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 1) .....   | 616-1 | 616              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 2) .....   | 617-1 | 617              |
| Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 3) .....   | 618-1 | 618              |
| Linkage Installation, Control (FS 115 to FS 176) (Directional) (Part 1) .....    | 619-1 | 619              |
| Linkage Installation, Control (FS 115 to FS 176) (Directional) (Part 2) .....    | 620-1 | 620              |
| Linkage Installation, Control (FS 115 to FS 176) (Directional) (Part 3) .....    | 621-1 | 621              |
| SPAD Assembly, Control, Pilot (Directional) .....                                | 622-1 | 622              |

## TABLE OF CONTENTS – Continued

|                                                                                                             | Page  | Illus/<br>Figure |
|-------------------------------------------------------------------------------------------------------------|-------|------------------|
| Bellcrank Assembly .....                                                                                    | 623-1 | 623              |
| Linkage Installation, Control (FS 115 to FS 176) (Collective) (Part 1) .....                                | 624-1 | 624              |
| Linkage Installation, Control (FS 115 to FS 176) (Collective) (Part 2) .....                                | 625-1 | 625              |
| Linkage Installation, Control (FS 115 to FS 176) (Longitudinal) (Part 1) .....                              | 626-1 | 626              |
| Linkage Installation, Control (FS 115 to FS 176) (Longitudinal) (Part 2) .....                              | 627-1 | 627              |
| SPAD Assembly, Control Pilot (Longitudinal) .....                                                           | 628-1 | 628              |
| Linkage Installation, Control (FS 115 to FS 176) (Lateral) (Part 1) .....                                   | 629-1 | 629              |
| Linkage Installation, Control (FS 115 to FS 176) (Lateral) (Part 2) .....                                   | 630-1 | 630              |
| Linkage Installation, Control (FS 115 to FS 176) (Lateral) (Part 3) .....                                   | 631-1 | 631              |
| Feel Spring Cartridge and Magnetic Brake Installation (Directional) .....                                   | 632-1 | 632              |
| Feel Spring Cartridge and Magnetic Brake Installation (Longitudinal) .....                                  | 633-1 | 633              |
| Mechanism Assembly, Trim Feel Spring Cartridge (Longitudinal) .....                                         | 634-1 | 634              |
| Feel Spring Cartridge and Magnetic Brake Installation (Lateral) .....                                       | 635-1 | 635              |
| Brake Assembly, Magnetic .....                                                                              | 636-1 | 636              |
| Panel Assembly, Automatic Stabilization Equipment .....                                                     | 637-1 | 637              |
| Computer, Dase .....                                                                                        | 638-1 | 638              |
| Actuator Assembly, Stabilator .....                                                                         | 639-1 | 639              |
| Controller, Stabilator .....                                                                                | 640-1 | 640              |
| Chassis, Electrical .....                                                                                   | 641-1 | 641              |
| Transducer, Stabilator Position .....                                                                       | 642-1 | 642              |
| Pedal Installation, Pilot Station (Part 1) .....                                                            | 643-1 | 643              |
| Pedal Installation, Pilot Station (Part 2) .....                                                            | 644-1 | 644              |
| Pedal Installation, Pilot Station (Part 3) .....                                                            | 645-1 | 645              |
| Crank Assembly, Pedal Adjusting (Pilot) .....                                                               | 646-1 | 646              |
| Pedal Installation, Copilot/Gunner Station (Part 1) .....                                                   | 647-1 | 647              |
| Pedal Installation, Copilot/Gunner Station (Part 2) .....                                                   | 648-1 | 648              |
| Pedal Installation, Copilot/Gunner Station (Part 3) .....                                                   | 649-1 | 649              |
| Cover Installation, Protective (Pilot and Copilot/Gunner) .....                                             | 650-1 | 650              |
| Linkage Installation, Tail Rotor Mid Fuselage (FS 164 to FS 216) .....                                      | 651-1 | 651              |
| Linkage Installation, Tail Rotor AFT Fuselage (FS 275 to FS 477) .....                                      | 652-1 | 652              |
| Linkage and Actuator Installation, Tail Rotor Controls (Part 1) .....                                       | 653-1 | 653              |
| Linkage and Actuator Installation, Tail Rotor Controls (Part 2) .....                                       | 654-1 | 654              |
| Linkage and Actuator Installation, Tail Rotor Controls (Part 3) .....                                       | 655-1 | 655              |
| Pitch Control Installation, Tail Rotor (Part 1) .....                                                       | 656-1 | 656              |
| Pitch Control Installation, Tail Rotor (Part 2) .....                                                       | 657-1 | 657              |
| Swashplate, Controller .....                                                                                | 658-1 | 658              |
| Group 12 Utility Systems                                                                                    |       |                  |
| Panel Assembly, Power Distribution, Pilot .....                                                             | 659-1 | 659              |
| Panel Assembly, Copilot/Gunner .....                                                                        | 660-1 | 660              |
| Sensing Head Installation, Ice Detector; Controller, De-Icing; Relay Box<br>Assembly, Engine Anti-Ice ..... | 661-1 | 661              |

## TABLE OF CONTENTS – Continued

|                                                                             | Page   | Illus/<br>Figure |
|-----------------------------------------------------------------------------|--------|------------------|
| Relay Assembly, Engine Anti-Ice .....                                       | 662-1  | 662              |
| Signal Processor Unit Assembly, Ice Detector .....                          | 663-1  | 663              |
| Windshield Wiper Installation .....                                         | 664-1  | 664              |
| Panel Assembly, Cockpit .....                                               | 665-1  | 665              |
| Fire Extinguishing System Installation (Cockpit Panels) .....               | 666-1  | 666              |
| Fire Extinguishing System Installation (Miscellaneous) .....                | 667-1  | 667              |
| Fire Extinguishing System Installation (Tubing) .....                       | 668-1  | 668              |
| Fire Extinguishing System Installation (Detectors and Amplifiers) .....     | 669-1  | 669              |
| Fire Extinguisher, Aircraft .....                                           | 670-1  | 670              |
| Wiring Installation, LH Nacelle Fire Sensors .....                          | 671-1  | 671              |
| Wiring Installation, RH Nacelle Fire Sensors .....                          | 672-1  | 672              |
| Fire/Overheat Detector and Frame Installation, Engine Firewall Louver ..... | 673-1  | 673              |
| Group 13 Environmental Control System                                       |        |                  |
| Panel Assembly, Power Distribution, Pilot .....                             | 674-1  | 674              |
| Environmental Control Unit Installation .....                               | 675-1  | 675              |
| Regulator, Air Pressure .....                                               | 676-1  | 676              |
| Cooling System Installation .....                                           | 677-1  | 677              |
| Fan Installation .....                                                      | 678-1  | 678              |
| Thermal Switch Assembly LH and RH .....                                     | 679-1  | 679              |
| Environmental Control Defogging System LH .....                             | 680-1  | 680              |
| Environmental Control Defogging System RH .....                             | 681-1  | 681              |
| Fuselage Environmental Control System (FS 154 to FS 180) .....              | 682-1  | 682              |
| Fuselage Environmental Control System (FS 180 to FS 296) .....              | 683-1  | 683              |
| Crew Environmental Control System (FS 57 to FS 125) LH .....                | 684-1  | 684              |
| Crew Environmental Control System (FS 125 to FS 155) LH .....               | 685-1  | 685              |
| Crew Environmental Control System RH .....                                  | 686-1  | 686              |
| Duct and Blower Installation .....                                          | 686A-1 | 686A             |
| Group 15 Auxiliary Power Plant                                              |        |                  |
| Auxiliary Power Unit Installation .....                                     | 687-1  | 687              |
| Engine, Gas Turbine (Front) .....                                           | 688-1  | 688              |
| Engine, Gas Turbine (Rear) .....                                            | 689-1  | 689              |
| Engine, Gas Turbine (Wiring Harness) .....                                  | 690-1  | 690              |
| Auxiliary Power Unit Mount and Drain Installation .....                     | 691-1  | 691              |
| Auxiliary Power System (Exhaust and Enclosure) .....                        | 692-1  | 692              |
| Enclosure Installation, APU (Upper and Lower Cover) .....                   | 693-1  | 693              |
| Enclosure Installation, APU (Front and Top Cover) .....                     | 694-1  | 694              |
| Group 16 Mission Equipment                                                  |        |                  |
| Switch, Toggle, Pylon Ground Maintenance .....                              | 695-1  | 695              |
| External Stores Subsystem .....                                             | 696-1  | 696              |
| Pylon, Aircraft (Frame and Actuator) .....                                  | 697-1  | 697              |

## TABLE OF CONTENTS – Continued

|                                                                                                               | Page   | Illus/<br>Figure |
|---------------------------------------------------------------------------------------------------------------|--------|------------------|
| Frame Assembly, Pylon .....                                                                                   | 698-1  | 698              |
| Rack, Bomb Ejector, Aircraft (Part 1) .....                                                                   | 699-1  | 699              |
| Rack, Bomb Ejector, Aircraft (Part 2) .....                                                                   | 700-1  | 700              |
| Ejector Assembly, Rack Pylon .....                                                                            | 701-1  | 701              |
| Hardware Installation, Target Acquisition Designation Sight and Pilot Night<br>Vision Sensor Assemblies ..... | 702-1  | 702              |
| Countermeasure Installation (Part 1) .....                                                                    | 703-1  | 703              |
| Countermeasure Installation (Part 2) .....                                                                    | 704-1  | 704              |
| Countermeasure Installation (Part 3) .....                                                                    | 705-1  | 705              |
| Countermeasure Installation (Part 4) .....                                                                    | 706-1  | 706              |
| Cooling System Installation, Radar Jammer .....                                                               | 707-1  | 707              |
| Kit, Winterization System Installation .....                                                                  | 708-1  | 708              |
| Covers, Antenna Blade .....                                                                                   | 709-1  | 709              |
| Wire Strike Protection Installation, Gun Deflector .....                                                      | 710-1  | 710              |
| Group 17 Emergency Equipment                                                                                  |        |                  |
| Canopy Severance Device Installation .....                                                                    | 711-1  | 711              |
| Portable Fire Extinguisher Installation .....                                                                 | 712-1  | 712              |
| First Aid Kit Installation (FWD and AFT Cockpits) .....                                                       | 713-1  | 713              |
| Group 60 Bulk Materials List                                                                                  |        |                  |
| Bulk Materials .....                                                                                          | Bulk-1 | Bulk             |
| Section III. SPECIAL TOOLS LIST                                                                               |        |                  |
| Group 80 Special Tools                                                                                        |        |                  |
| Ground Support Kit (AVUM) (Part 1) .....                                                                      | 714-1  | 714              |
| Ground Support Kit (AVUM) (Part 2) .....                                                                      | 715-1  | 715              |
| Ground Support Kit (AVUM) (Part 3) .....                                                                      | 716-1  | 716              |
| Airframe Special Equipment (AVIM) .....                                                                       | 717-1  | 717              |
| Tool Kit, Special (AVUM) (Part 1) .....                                                                       | 718-1  | 718              |
| Tool Kit, Special (AVUM) (Part 2) .....                                                                       | 719-1  | 719              |
| Tool Kit (AVIM) (Part 1) .....                                                                                | 720-1  | 720              |
| Tool Kit (AVIM) (Part 2) .....                                                                                | 721-1  | 721              |
| Crane, Aircraft Mounted Maintenance (Part 1) .....                                                            | 722-1  | 722              |
| Crane, Aircraft Mounted Maintenance (Part 2) .....                                                            | 723-1  | 723              |
| Crane, Aircraft Mounted Maintenance (Part 3) .....                                                            | 724-1  | 724              |
| Crane, Aircraft Mounted Maintenance (Part 4) .....                                                            | 725-1  | 725              |
| Yoke Assembly, Elevation .....                                                                                | 726-1  | 726              |
| Rigging Kit, Aircraft (Part 1) .....                                                                          | 727-1  | 727              |
| Rigging Kit, Aircraft (Part 2) .....                                                                          | 728-1  | 728              |
| Rigging Kit, Aircraft (Part 3) .....                                                                          | 729-1  | 729              |
| Kit, Sling Set (Part 1) .....                                                                                 | 730-1  | 730              |

## TABLE OF CONTENTS – Continued

|                                                            | Page  | Illus/<br>Figure |
|------------------------------------------------------------|-------|------------------|
| Kit, Sling Set (Part 2) .....                              | 731-1 | 731              |
| Kit, Sling Set (Part 3) .....                              | 732-1 | 732              |
| Kit, Sling Set (Part 4) .....                              | 733-1 | 733              |
| Kit, Sling Set (Part 5) .....                              | 734-1 | 734              |
| Kit, Sling Set (Part 6) .....                              | 735-1 | 735              |
| Transmission Kit, Removal and Installation .....           | 736-1 | 736              |
| Platform, Main Transmission Removal and Installation ..... | 737-1 | 737              |
| Kit, Lube Drain Hose .....                                 | 738-1 | 738              |
| Test Equipment, Helicopter (Part 1) .....                  | 739-1 | 739              |
| Test Equipment, Helicopter (Part 2) .....                  | 740-1 | 740              |
| Tab Bending Tool and Gage .....                            | 741-1 | 741              |
| Box Assembly, Switch, Rotor Track and Balance Kit .....    | 742-1 | 742              |
| Phase Tool Assembly .....                                  | 743-1 | 743              |
| Kit, Ground Lock PGS .....                                 | 744-1 | 744              |
| Cord Assembly, Electrical .....                            | 745-1 | 745              |
| Maintenance Platform, APU .....                            | 746-1 | 746              |
| Kit, Hydraulic Hoses .....                                 | 747-1 | 747              |
| Kit, Fuel Cell Removal and Installation .....              | 748-1 | 748              |
| Plate Assembly, Fuel Cell Access .....                     | 749-1 | 749              |
| Box Assembly, Fuel Cell Removal and Installation .....     | 750-1 | 750              |
| Adapter Kit, Airframe Component Handling (Part 1) .....    | 751-1 | 751              |
| Adapter Kit, Airframe Component Handling (Part 2) .....    | 752-1 | 752              |
| Adapter Kit, Airframe Component Handling (Part 3) .....    | 753-1 | 753              |
| Adapter Assembly, Main Rotor Blade Handling .....          | 754-1 | 754              |
| Tool Kit, Aircraft Main Rotor Head .....                   | 755-1 | 755              |
| Adapter Assembly, Engine Handling .....                    | 756-1 | 756              |
| Tool Kit, Aircraft Maintenance (AVIM) .....                | 757-1 | 757              |
| Fixture, Tail Rotor Head Assembly and Repair (AVIM) .....  | 758-1 | 758              |
| Brake, Input Pinion Gear .....                             | 759-1 | 759              |
| Socket, Rotor Brake .....                                  | 760-1 | 760              |
| Socket, Locknut Set .....                                  | 761-1 | 761              |
| Cover, Ice Sensor Assembly .....                           | 762-1 | 762              |
| Tool, Output Shaft Seal Installation .....                 | 763-1 | 763              |
| Tool, Input Shaft Seal Installation .....                  | 764-1 | 764              |
| Kit, Spreader Bar/Positioning .....                        | 765-1 | 765              |
| Teeter Stop Bonding Fixture .....                          | 766-1 | 766              |
| Adapter Assembly, Calibration .....                        | 767-1 | 767              |
| Adapter, Calibration, Rotor Blade De-Ice System .....      | 768-1 | 768              |
| Figure Deleted .....                                       |       | 769              |
| Packer Assembly, Main Rotor Bearing .....                  | 770-1 | 770              |
| Rod/Link Adjustment Tool Assembly, Right .....             | 771-1 | 771              |

## TABLE OF CONTENTS – Continued

|                                                                      | Page   | Illus/<br>Figure |
|----------------------------------------------------------------------|--------|------------------|
| Fixture, Shock Strut Restraining .....                               | 772-1  | 772              |
| Spring Compressor, Fork Assembly .....                               | 773-1  | 773              |
| Test Set, Pylon Ejector .....                                        | 774-1  | 774              |
| Socket, Wrench, Main Transmission .....                              | 775-1  | 775              |
| Fixture, Protective, Main Rotor Mast .....                           | 776-1  | 776              |
| Plug, Seal Kit .....                                                 | 777-1  | 777              |
| Wrench, Socket, Anti Flail Bearing .....                             | 778-1  | 778              |
| Compressor, Rotor Brake, Set .....                                   | 779-1  | 779              |
| Set, Jackscrew .....                                                 | 780-1  | 780              |
| Tool Kit, Aircraft Lower Bearing Seal Installation/Removal .....     | 780A-1 | 780A             |
| Tool Kit, Tail Rotor Fork Resilient Mount Installation/Removal ..... | 780B-1 | 780B             |
| Tool Kit, Aircraft .....                                             | 780C-1 | 780C             |
| Kit, Generator Removal .....                                         | 780D-1 | 780D             |
| Wrench, Special Horizontal .....                                     | 780E-1 | 780E             |
| Group 82 Flyaway Items                                               |        |                  |
| Tie Down Kit, Aircraft (Part 1) .....                                | 781-1  | 781              |
| Tie Down Kit, Aircraft (Part 2) .....                                | 782-1  | 782              |
| Tie Down Kit, Aircraft (Part 3) .....                                | 783-1  | 783              |
| Section IV. CROSS-REFERENCE INDEXES                                  |        |                  |
| National Stock Number Index .....                                    | I-1    |                  |
| Part Number Index .....                                              | I-143  |                  |
| Figure and Item Number Index .....                                   | I-535  |                  |

# AVIATION UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

## SECTION I. INTRODUCTION

### 1. Scope.

This RPSTL lists and authorizes spares and repair parts; special tools; special Test, Measurement, and Diagnostic Equipment (TMDE); and other special support equipment required for performance of aviation unit and aviation intermediate maintenance of the AH-64A Advanced Attack Helicopter. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the Source, Maintenance and Recoverability (SMR) codes.

### 2. General.

In addition to Section I, Introduction, this Repair Parts and Special Tools List is divided into the following sections:

a. **Section II. Repair Parts List.** A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence.

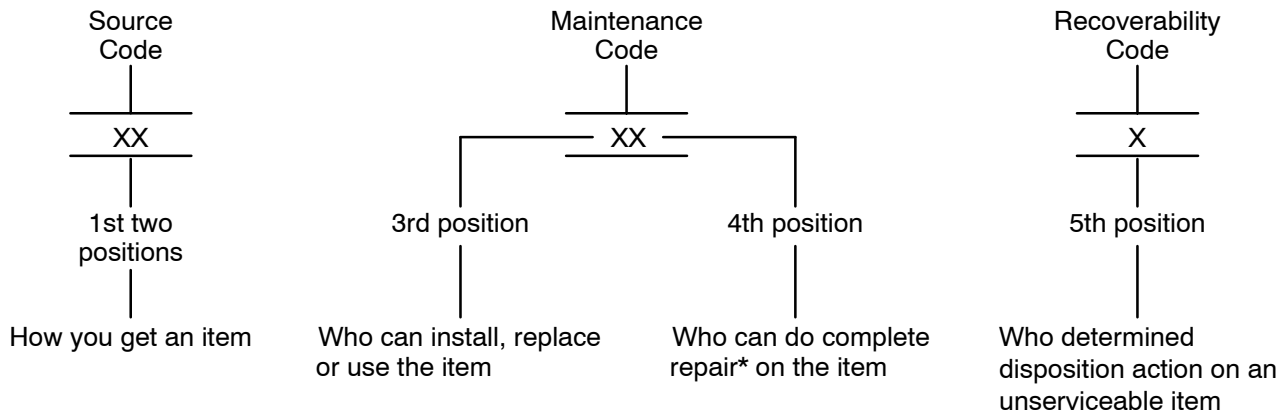
b. **Section II. Special Tools List.** A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE (UOC) column) for the purpose of maintenance.

c. **Section IV. Cross-reference Indexes.** A list, in National Item Identification Number (NIIN) sequence, of all National Stock Numbers (NSN) appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance. The figure and item number index lists figure and item numbers in alphanumeric sequence and cross-references NSN, FSCM/CAGE and part numbers.

### 3. Explanation of Columns (Sections II and III).

a. **ITEM NO (Column (1)).** Indicates the number used to identify items called out in the illustration.

b. **SMR CODE (Column (2)).** The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout:



\*Complete Repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) **Source Code.** The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow:

| Code                                                                                                                                                                                                                                                                 | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>           PA<br/>           PB<br/>           PC**<br/>           PD<br/>           PE<br/>           PF<br/>           PG         </div>                                                                                                                      | Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code.<br><br>**NOTE: Items coded PC are subject to deterioration.                                                                                                                                                                                                                                                                                                             |
| <div>           KD<br/>           KF<br/>           KB         </div>                                                                                                                                                                                                | Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.                                                                                                                                                                                                                                                                                                                       |
| <div>           MO- (Made at org/<br/>AVUM Level)<br/>           MF- (Made at DS/<br/>AVIM Level)<br/>           MH- (Made at GS<br/>Level)<br/>           ML- (Made at Specialized<br/>Repair<br/>Activity (SRA))<br/>           MD- (Made at Depot)         </div> | Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION AND USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts list in this RPSTL. Fabricated items may also be made utilizing Appendix D of the TM 1-1520-238-23 Series. If the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at a higher Level, order the item from the higher Level of maintenance. |



| Code                                                                                                                                                                                                                                                                                                               | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">           AO– (Assembled by org/AVUM Level)<br/>           AF– (Assembled by DS/AVIM Level)<br/>           AH– (Assembled by GS Category)<br/>           AL– (Assembled by SRA)<br/>           AD– (Assembled by Depot)         </div> | <div style="display: inline-block; vertical-align: middle; font-size: 2em;">}</div> Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the Level of maintenance indicated by the source code. If the 3rd position code of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher Level, order the item from the higher Level of maintenance. |
| XA–                                                                                                                                                                                                                                                                                                                | Do not requisition an “XA”-coded item. Order its next higher assembly.<br>(Also, refer to the NOTE below)                                                                                                                                                                                                                                                                                                                                                                                                                     |
| XB –                                                                                                                                                                                                                                                                                                               | If an “XB” item is not available from salvage, order it using the FSCM/CAGE and part number given.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| XC–                                                                                                                                                                                                                                                                                                                | Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer’s part number.                                                                                                                                                                                                                                                                                                                                                                                                    |
| XD–                                                                                                                                                                                                                                                                                                                | Item is not stocked. Order an “XD”-coded item through normal supply channels using the FSCM/CAGE and part number given, if no NSN is available.                                                                                                                                                                                                                                                                                                                                                                               |

NOTE: Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded “XA” or those aircraft support items restricted by requirements of AR 700-42.

(2) **Maintenance Code.** Maintenance codes tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR Code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance level authorized to remove, replace, and use an end item. The maintenance code entered in the third position will indicate authorization to one of the following levels of maintenance.

| Code | Application/Explanation                                                                |
|------|----------------------------------------------------------------------------------------|
| C    | –Crew or operator maintenance done within organizational or aviation unit maintenance. |
| O    | –Organizational or aviation unit category can remove, replace, and use the item.       |
| F    | –Direct support or aviation intermediate level can remove, replace, and use the item.  |
| H    | –General support level can remove, replace, and use the item.                          |
| L    | –Specialized repair activity can remove, replace, and use the item.                    |
| D    | –Depot level can remove, replace, and use the item.                                    |

(b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e., perform all authorized repair functions.) (NOTE: Some limited repair may be done on the item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.) This position will contain one of the following maintenance codes.

| Code | Application/Explanation                                                                                                                                                                                  |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| O    | –Organizational or aviation unit is the lowest level that can do complete repair of the item.                                                                                                            |
| F    | –Direct support or aviation intermediate is the lowest level that can do complete repair of the item.                                                                                                    |
| H    | –General support is the lowest level that can do complete repair of the item.                                                                                                                            |
| L    | –Specialized repair activity (designated the specialized repair activity) is the lowest level that can do complete repair of the item.                                                                   |
| D    | –Depot is the lowest level that can do complete repair of the item.                                                                                                                                      |
| Z    | –Nonreparable. No repair is authorized.                                                                                                                                                                  |
| B    | –No repair is authorized. (No parts or special tools are authorized for the maintenance of a “B” coded item). However, the item may be reconditioned by adjusting, lubricating, etc., at the user level. |

(3) **Recoverability Code.** Recoverability codes are assigned to items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR Code as follows:

| Recoverability Codes | Application/Explanation                                                                                                                                                                                             |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Z                    | –Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in 3rd position of SMR Code.                                                                              |
| O                    | –Reparable item. When uneconomically reparable, condemn and dispose of the item at organizational or aviation unit level.                                                                                           |
| F                    | –Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support or aviation intermediate level.                                                                               |
| H                    | –Reparable item. When uneconomically reparable, condemn and dispose of the item at the general support level.                                                                                                       |
| D                    | –Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item not authorized below depot level.                                                                    |
| L                    | –Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).                                                                                                                  |
| A                    | –Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to specific instructions. |

c. **FSCM/CAGE (Column (3)).** The Federal Supply Code for Manufacturer (FSCM/CAGE) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

d. **PART NUMBER (Column (4)).** Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

NOTE: When you use a NSN to requisition an item, the item you receive may have a different part number from the part ordered.

e. **DESCRIPTION AND USABLE ON CODE (UOC) (Column (5)).** This column includes the following information:

- (1) The Federal item name and, when required, a minimum description to identify the item.
- (2) The physical security classification is not applicable.
- (3) Items that are included in kits and sets are listed below the name of the kit or set.
- (4) Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.
- (5) Part numbers for bulk materials are referenced in this column in the line item entry for the item to be manufactured/fabricated.
- (6) When the item is not used with all the serial numbers of the same model, the effective serial numbers are shown on the last line(s) of the description (before UOC).
- (7) The usable on code, when applicable (see paragraph 5, Special Information).
- (8) In the Special Tools List section, the basis of issue (BOI) appears as the last line(s) in the entry for each special tool, special TMDE, and other special support equipment. When density of equipments supported exceeds density spread indicated in the basis of issue, the total authorization is increased proportionately.
- (9) The statement "END OF FIGURE" appears just below the last item description in Column 5 for a given figure in both Section II and Section III.

f. **QTY (Column (6)).** The QTY (quantity per figure column) indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that the quantity is variable and the quantity may vary from application to application.

#### 4. Explanation of Columns (Section II and III).

##### a. **NATIONAL STOCK NUMBER (NSN) INDEX.**

(1) **STOCK NUMBER column.** This column lists the NSN by National item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN (i.e.,  $\frac{\text{NSN}}{\text{NIIN}}$  5305-01-674-1467). When using this column to locate an item, ignore the first 4 digits of the NSN. However, the complete NSN should be used when ordering parts by stock number.

(2) **FIG. column.** This column lists the number of the figure where the item is identified/located. The figures are in numerical order in Section II and Section III.

(3) **ITEM column.** The item number identifies the item associated with the figure listed in the adjacent FIG. column. This item is also identified by the NSN listed on the same line.

b. **PART NUMBER INDEX.** Part numbers in this index are listed by part number in ascending alphanumeric sequence (i.e., vertical arrangement of letter and number combination which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

(1) **FSCM/CAGE column.** The Federal Supply Code for Manufacturer (FSCM/CAGE) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(2) **PART NUMBER column.** Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

(3) **STOCK NUMBER column.** This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and FSCM/CAGE columns to the left.

(4) **FIG. column** This column lists the number of the figure where the item is identified/located in Section II and Section III.

(5) **ITEM column.** The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

c. **FIGURE AND ITEM NUMBER INDEX.**

(1) **FIG. column.** This column lists the number of the figure where the item is identified/located. The figures are in numerical order in Section II and Section III.

(2) **ITEM column.** The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

(3) **STOCK NUMBER column.** This column lists the NSN for the item.

(4) **FSCM/CAGE column.** The Federal Supply Code for Manufacturer (FSCM/CAGE) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(5) **PART NUMBER column.** Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

**5. Special Information.**

a. **USABLE ON CODE.** The usable on code appears in the lower left corner of the Description column heading. Usable on codes are shown as "UOC: . . . . ." in the Description Column (justified left) on the first line applicable item description/nomenclature. Uncoded items are applicable to all models.

b. **FABRICATION INSTRUCTIONS.** Bulk materials required to manufacture items are listed in the Bulk Material Functional Group of the RPSTL. Part numbers for bulk materials are also referenced in the description column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded to be manufactured or fabricated are found in TM 1-1520-238-23.

c. **ASSEMBLY INSTRUCTION.** Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in TM 1-1520-238-23. Items that make up the assembly are listed immediately following the assembly item entry or reference is made to an applicable figure.

d. **KITS.** Line item entries for repair parts kits appear in a group in Section II (see table of contents).

e. **INDEX NUMBERS.** Items which have the word BULK in the figure column will have an index number shown in the item number column. This index number is a cross-reference between the National Stock Number/Part Number Index and the bulk material list in Section II.

f. **ASSOCIATED PUBLICATIONS.** The publication(s) listed below pertain to the AH-64A Advanced Attack Helicopter and its components.

| <u>Publication</u> | <u>Short Title</u>                                           |
|--------------------|--------------------------------------------------------------|
| TM 1-1520-238-23   | AVUM and AVIM Maintenance, AH-64A Advanced Attack Helicopter |

g. **ILLUSTRATIONS – LISTING.** Higher-category RPSTL illustrations are not applicable.

## 6. How To Locate Repair Parts.

a. When National Stock Number or Part Number is Not Known.

(1) **First.** Using the table of contents, determine the assembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.

(2) **Second.** Find the figure covering the assembly group or subassembly group to which the item belongs.

(3) **Third.** Identify the item on the figure and use the Figure and Item Number Index to find the NSN.

b. When National Stock Number or Part Number is Known.

(1) **First.** Using the National Stock Number or Part Number Index, find the pertinent National Stock Number or Part Number. The NSN index is in National Item Identification Number (NIIN) sequence (see 4a(1)). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see 4b). Both indexes cross-reference you to the illustration/figure and item number of the item you are looking for.

(2) **Second.** Turn to figure and item number, verify that the item is the one you are looking for, then locate the item number in the repair parts list for the figure.

## 7. Abbreviations.

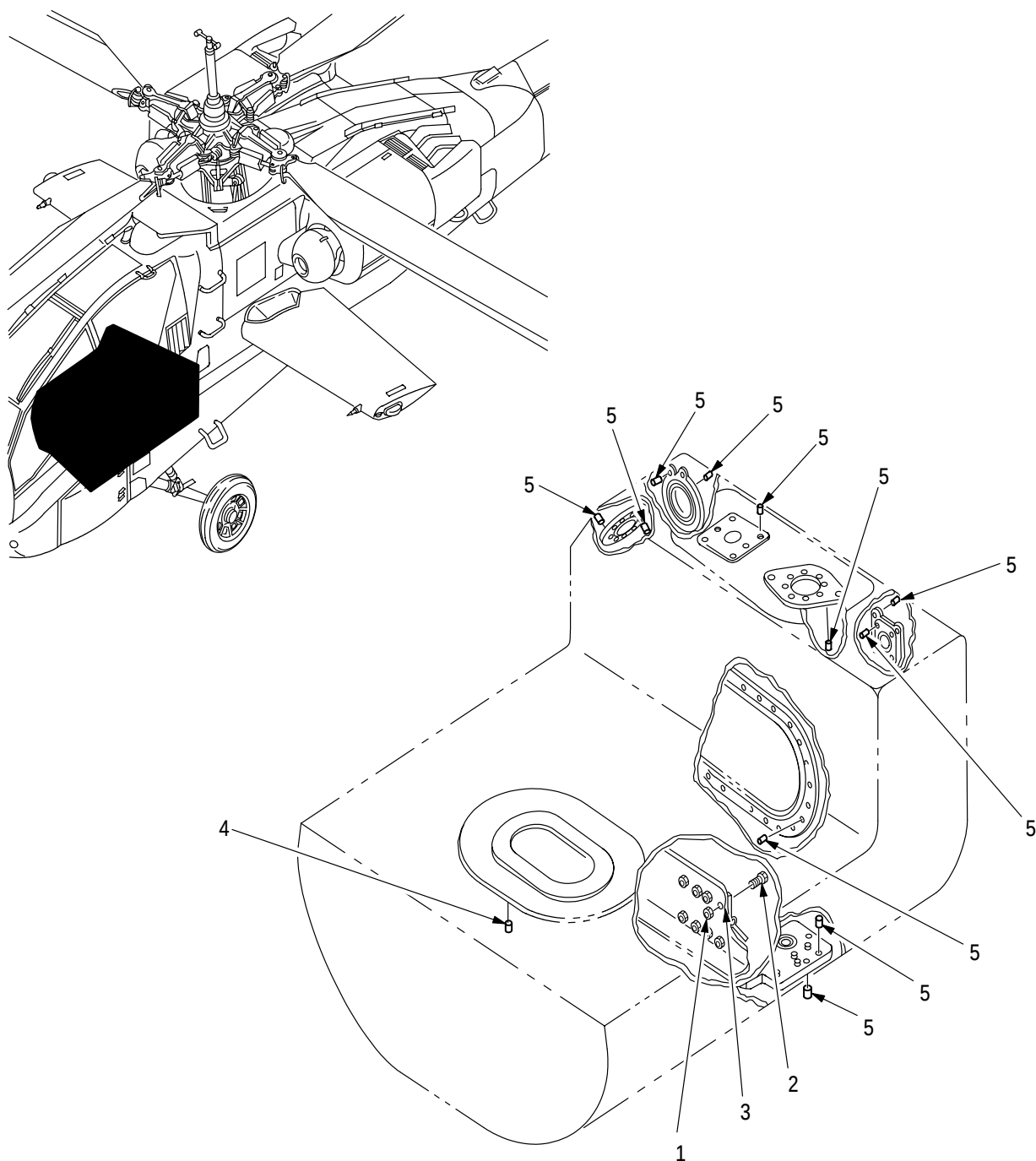
| <u>Abbreviations</u> | <u>Explanation</u>                                                                      |
|----------------------|-----------------------------------------------------------------------------------------|
| AAB                  | AFT Avionics Bay                                                                        |
| AAH                  | AH-64A Advanced Attack Helicopter                                                       |
| ADP                  | Air Data Processor                                                                      |
| APU                  | Auxiliary Power Unit                                                                    |
| ASE                  | Automatic Stabilization Equipment                                                       |
| AVIM                 | Direct Support or Aviation Intermediate Maintenance Repair Parts and Special Tools List |
| AVUM                 | Organizational or Aviation Intermediate Maintenance Repair Parts and Special Tools List |

| <u>Abbreviations</u> | <u>Explanation</u>                                                             |
|----------------------|--------------------------------------------------------------------------------|
| BUCS                 | Back Up Control System                                                         |
| CPG                  | Copilot/Gunner                                                                 |
| DASE                 | Digital Automatic Stabilization Equipment                                      |
| ECS                  | Environmental Control System                                                   |
| ECU                  | Environmental Control Unit                                                     |
| EFF                  | Effectivity                                                                    |
| EMI                  | Electro-Magnetic Interference                                                  |
| FAB                  | Forward Avionics Bay                                                           |
| FD/LS                | Fault Detection/Location Subsystem                                             |
| FIG/FIGS             | Figure/Figures                                                                 |
| FS                   | Fuselage Station                                                               |
| FSP                  | Flight Safety Part                                                             |
| IPAS                 | Integrated Pressurized Air System                                              |
| IRS                  | Infra-Red Suppressor                                                           |
| LG                   | Landing Gear                                                                   |
| LH                   | Left Hand                                                                      |
| MLG                  | Main Landing Gear                                                              |
| M/R, MR              | Main Rotor                                                                     |
| MRH                  | Main Rotor Head                                                                |
| NHA                  | Next Higher Assembly                                                           |
| NIIN                 | National Item Identification Number (consists of the last 9 digits of the NSN) |
| PAS                  | Pressurized Air System                                                         |
| QEC                  | Quick Engine Change                                                            |
| RH                   | Right Hand                                                                     |
| RPSTL                | Repair Parts and Special Tools List                                            |
| SDC                  | Shaft Driven Compressor                                                        |
| SDC                  | Signal Data Converter                                                          |
| T/R, TR              | Tail Rotor                                                                     |
| U/O                  | Use On                                                                         |
| USBL                 | Usable                                                                         |
| XDCR                 | Transducer                                                                     |
| XMSM                 | Transmission                                                                   |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 555 Fuel Cell Installation (Forward)<br>7-311642060 |            |
| 1                  | PAOZZ              | 80205       | NAS6204-3          | • Bolt, Shear .....                                                              | 10         |
| 2                  | PAOZZ              | 02731       | HS306-327H         | • Washer, Flat .....                                                             | 11         |
| 3                  | PAOZZ              | 80205       | NAS6204-1          | • Bolt, Shear .....                                                              | 56         |
| 4                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....                                                             | 58         |
| 5                  | PAOOO              | 8V613       | 7-211641003        | • Cover, Fuel Cell .....                                                         | 1          |
| 6                  | PAOZZ              | 80205       | NAS1474A4          | • • Nut, Self-Locking, Pl .....                                                  | 6          |
| 7                  | PAOZZ              | 96906       | MS29513-270        | • O-Ring .....                                                                   | 1          |
| 8                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                    | 2          |
| 9                  | PAOZZ              | 80205       | NAS6603-4          | • Bolt, Shear .....                                                              | 24         |
| 10                 | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                             | 26         |
| 11                 | PAOZZ              | 80205       | NAS6604H2          | • Bolt, Shear .....                                                              | 6          |
| 12                 | PAOZZ              | 81349       | MS25083-2BC8       | • Lead, Electrical .....                                                         | 2          |
| 13                 | PAOZZ              | 8V613       | 7-311642122        | • Filler Neck .....                                                              | 1          |
| 14                 | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....                                                                   | 2          |
| 15                 | PAOZZ              | 80205       | NAS144-12          | • Bolt, Internal Wrenc .....                                                     | 2          |
| 16                 | PAOZZ              | 8V613       | 7-117420117        | • Washer, Recessed .....                                                         | 7          |
| 17                 | PAOZZ              | 96906       | NAS144-16          | • Bolt, Internal Wrenc .....                                                     | 2          |
| 18                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....                                                             | 8          |
| 19                 | PAODD              | 8V613       | 7-311641001-3      | • Tank, Fuel, Aircraft FWD (Goodyear)<br>(See Fig. 557 for Breakdown) .....      | 1          |
| 19                 | PAOOO              | 8V613       | 7-511641301-001    | • Tank, Fuel, Aircraft FWD (Goodyear)<br>(See Fig. 557 for Breakdown) .....      | 1          |
| 19                 | PAODD              | 8V613       | 7-311641001-3      | • Tank, Fuel, Aircraft FWD (Amfuel)<br>(See Fig. 556 for Breakdown) .....        | 1          |
| 20                 | PAOZZ              | 8V613       | 7-311641001-5      | • Cover, Fuel Cell .....                                                         | 1          |
| 21                 | PAOZZ              | 8V613       | 7-117410006        | • O-Ring .....                                                                   | 1          |
| 22                 | XCFFF              | 81996       | AH64FCR            | • Reinforcement, Fuel .....                                                      | 1          |
| 23                 | XDFZZ              | 81996       | AH64FCR-A          | • • Cover Assembly .....                                                         | 1          |
| 24                 | XDFZZ              | 81996       | AH64FCR-1A         | • • Outer Plate .....                                                            | 1          |
| 25                 | XDFZZ              | 81996       | AH64FCR-2          | • • Tee .....                                                                    | 3          |
| 26                 | XDFZZ              | 81996       | AH64FCR-4          | • • Strip, Tee Supt .....                                                        | 3          |
| 27                 | XDFZZ              | 81996       | AH64FCR-5          | • • Bottom Angle .....                                                           | 2          |
| 28                 | XDFZZ              | 81996       | AH64FCR-6          | • • Side Angle .....                                                             | 2          |
| 29                 | PAFZZ              | 80205       | MS21059L3          | • • Nut, Self-Locking, Pl .....                                                  | 34         |
| 30                 | PAFZZ              | 96906       | MS27039C1-09       | • • Screw, Machine .....                                                         | 34         |
| 31                 | PAFZZ              | 80205       | NAS623-2-6         | • • Screw, Machine .....                                                         | 7          |
| 32                 | PAFZZ              | 88044       | AN960JD10LL        | • • Washer, Flat .....                                                           | 34         |
| END OF FIGURE      |                    |             |                    |                                                                                  |            |

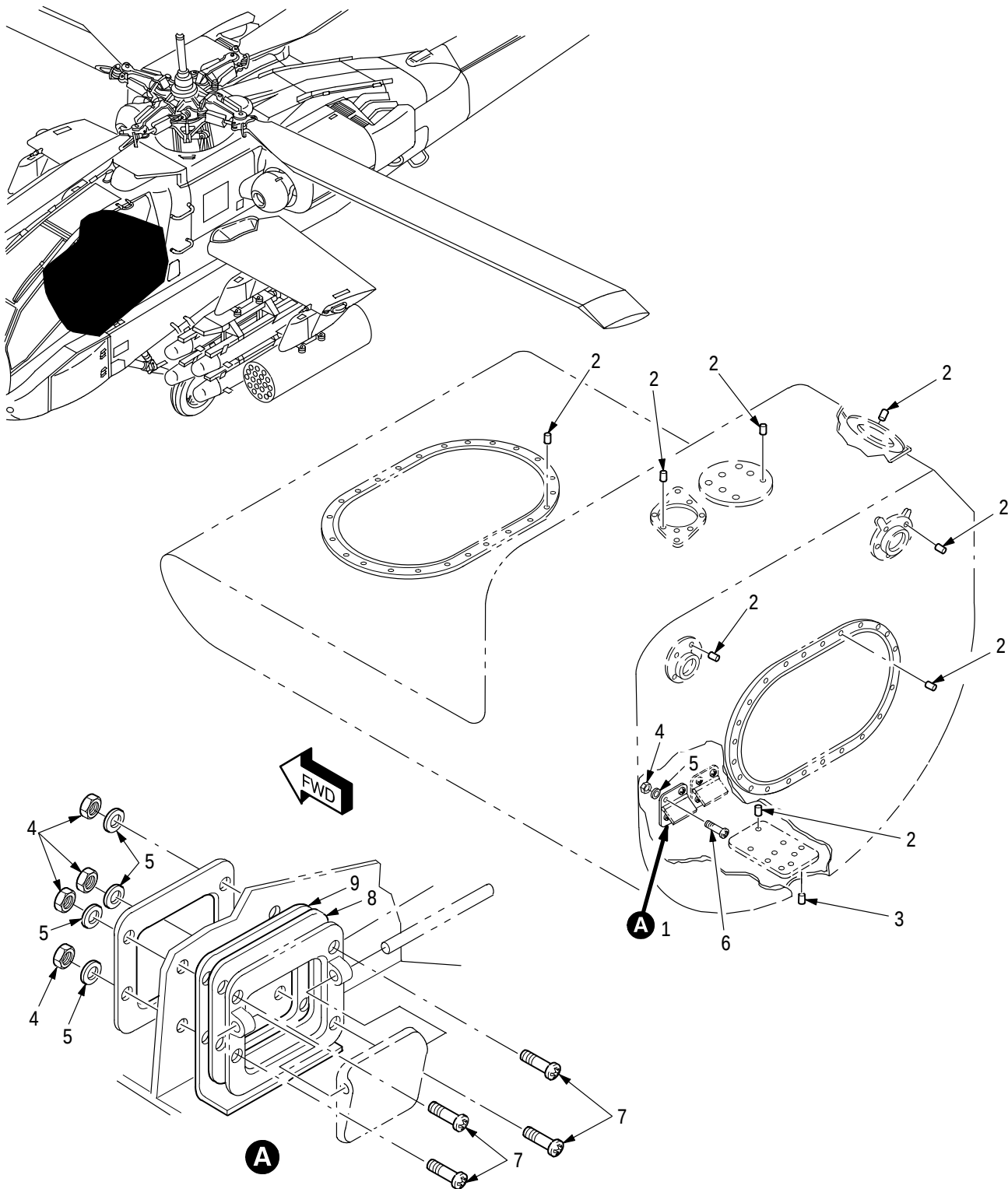




M09-569B

Figure 556. Group 10 Tank, Fuel, Aircraft  
7-311641001-3,  
(Amfuel P/N; 37832-3 (05476))

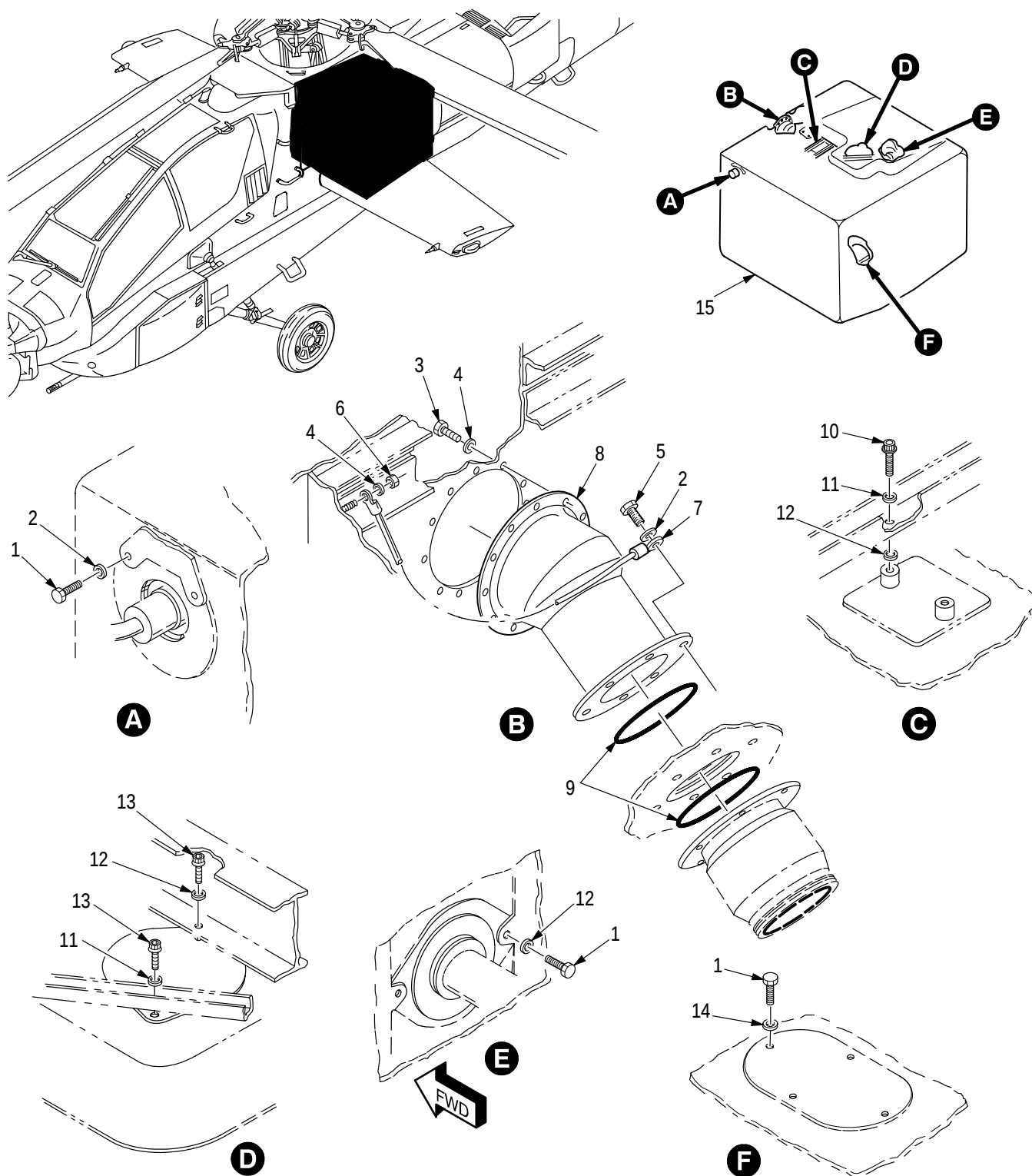
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 556 Tank, Fuel, Aircraft<br>7-311641001-3,<br>(Amfuel, P/N; 37832-3 (05476))<br>See Fig. 555 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS21083N3          | • Nut, Self-Locking, He .....                                                                                                     | 8          |
| 2                  | PAOZZ              | 88044       | AN3-5A             | • Bolt, Machine .....                                                                                                             | 8          |
| 3                  | PAOZZ              | 05476       | NPB1045            | • Valve, Flapper .....                                                                                                            | 2          |
| 4                  | PAOZZ              | 01556       | 3591-4CN-0375      | Insert, Screw Thread .....                                                                                                        | 24         |
| 5                  | PAOZZ              | 96906       | MS21209F4-15       | Insert, Screw Thread .....                                                                                                        | 24         |
| END OF FIGURE      |                    |             |                    |                                                                                                                                   |            |



M09-570D

Figure 557. Group 10 Tank, Fuel, Aircraft FWD  
 7-311641001-3 (Goodyear P/N 320-4-44733-101 (56221))  
 7-511641301-001 (Goodyear P/N 320-4-44733-103 (56221))

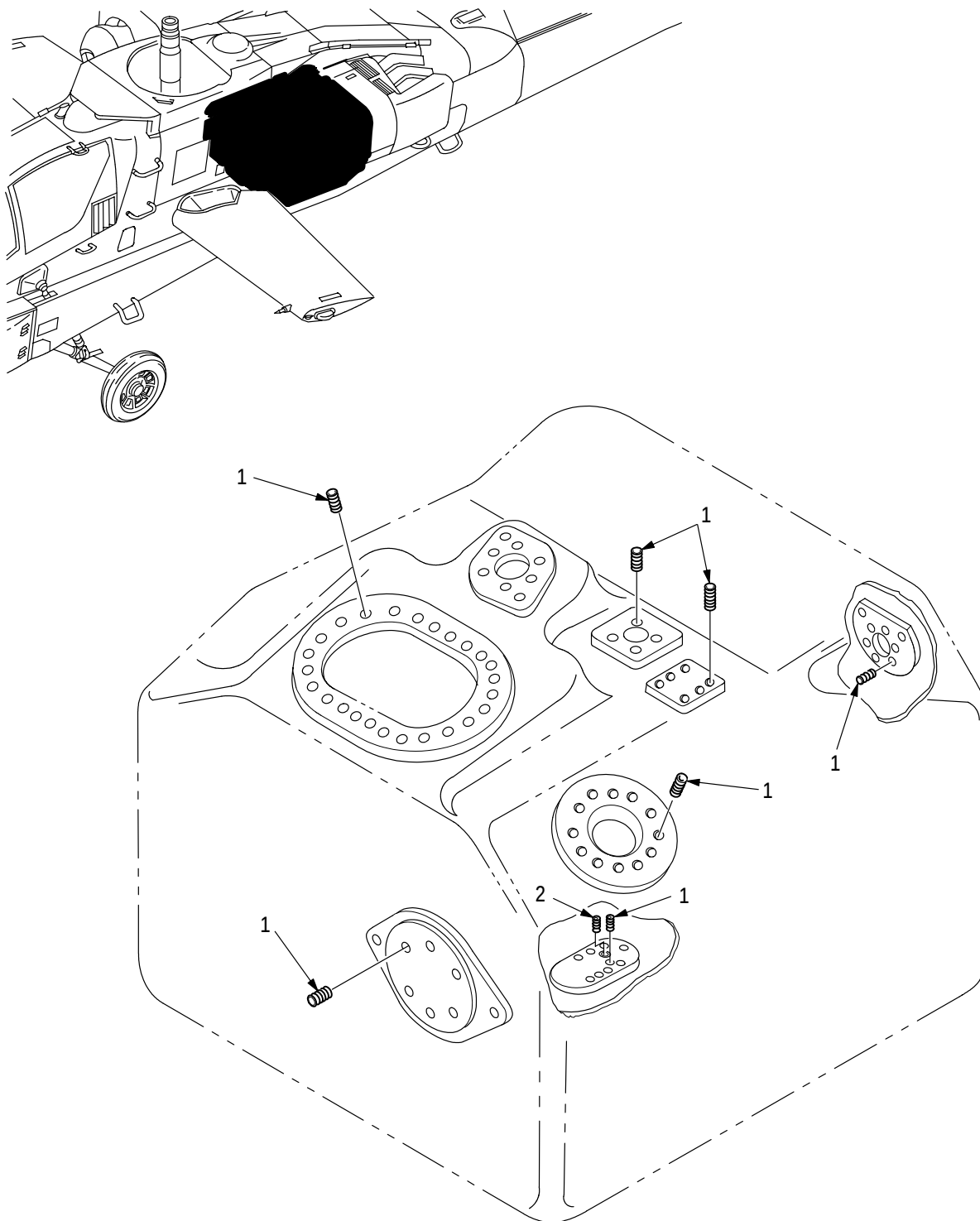
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 557 Tank, Fuel, Aircraft FWD<br>7-311641001-3,<br>(Goodyear P/N 320-4-44733-101 (56221))<br>7-511641301-001<br>(Goodyear P/N 320-4-44733-103 (56221))<br>See Fig. 555 for NHA |            |
| 1                  | PAOZZ              | 73842       | 2F1-3-23468        | • Valve, Flapper, Fuel .....                                                                                                                                                                               | 2          |
| 2                  | PAOZZ              | 96906       | MS21209F4-15       | Insert, Screw Thread .....                                                                                                                                                                                 | 6          |
| 3                  | PAOZZ              | 01556       | 3591-3CN-0380      | Insert, Screw Thread .....                                                                                                                                                                                 | 1          |
| 4                  | PAOZA              | 96906       | MS21046C06         | • Nut, Self-Locking, He .....                                                                                                                                                                              | 8          |
| 5                  | PAOZZ              | 88044       | AN960C6            | • Washer, Flat .....                                                                                                                                                                                       | 8          |
| 6                  | PAOZZ              | 96906       | MS51957-31         | • Screw, Machine .....                                                                                                                                                                                     | 1          |
| 7                  | PAOZZ              | 65597       | 915013-0033        | Screw, Machine Used With Under-Sized Fuel Cells .....                                                                                                                                                      | 8          |
| 8                  | PAOZZ              | 8V613       | 7-311642060-5      | Spacer, Plate Used With Under-Sized Fuel Cells .....                                                                                                                                                       | 2          |
| 9                  | PAOZZ              | 8V613       | 7-311642060-3      | Angle, Structural Used With Under-Sized Fuel Cells .....                                                                                                                                                   | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                                                                            |            |



M09-571E

Figure 558. Group 10 Fuel Cell Installation (AFT)  
7-311642060

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 558 Fuel Cell Installation (AFT)<br>7-311642060 |            |
| 1                  | PAOZZ              | 80205       | NAS6204-1          | • Bolt, Shear .....                                                          | 8          |
| 2                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....                                                         | 8          |
| 3                  | PAOZZ              | 80205       | NAS6603-4          | • Bolt, Shear .....                                                          | 12         |
| 4                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                         | 13         |
| 5                  | PAOZZ              | 80205       | NAS6604H2          | • Bolt, Shear .....                                                          | 6          |
| 6                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                | 1          |
| 7                  | PAOZZ              | 81349       | M83413/8-A10BC     | • Lead, Electrical .....                                                     | 1          |
| 8                  | PAOZZ              | 8V613       | 7-311642023        | • Filler Neck .....                                                          | 1          |
| 9                  | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....                                                               | 2          |
| 10                 | PAOZZ              | 80205       | NAS6204-3          | • Bolt, Shear .....                                                          | 2          |
| 11                 | PAOZZ              | 8V613       | 7-117420117        | • Washer, Recessed .....                                                     | 3          |
| 12                 | PAOZZ              | 02731       | HS306-328H         | • Washer, Flat .....                                                         | 2          |
| 13                 | PAOZZ              | 80205       | NAS6204-5H         | • Bolt, Shear .....                                                          | 2          |
| 14                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....                                                         | 4          |
| 15                 | PAOOO              | 8V613       | 7-211641002        | • Tank, Fuel, Aircraft (Amfuel) AFT<br>(See Fig. 559 for Breakdown) .....    | 1          |
| 15                 | PAOOO              | 8V613       | 7-211641002        | • Tank, Fuel, Aircraft (Goodyear) AFT<br>(See Fig. 560 for Breakdown) .....  | 1          |
| 15                 | PAOOO              | 8V613       | 7-511641302-001    | • Tank, Fuel, Aircraft (Goodyear) AFT<br>(See Fig. 560 for Breakdown) .....  | 1          |
|                    |                    |             |                    | END OF FIGURE                                                                |            |

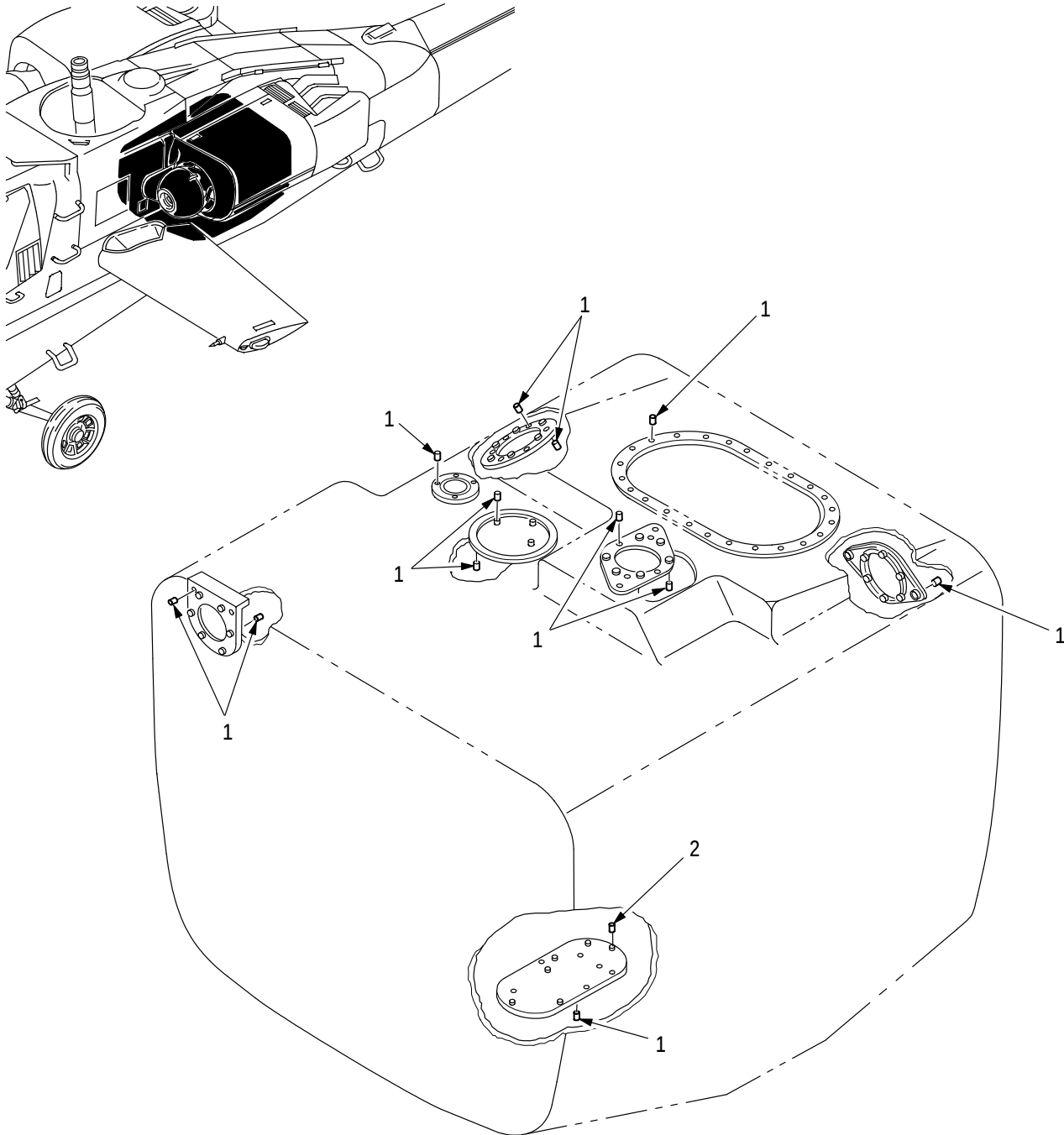


M09-572C

Figure 559. Group 10 Tank, Fuel, Aircraft  
7-211641002,  
(Amfuel P/N; 37833-3 (05476))

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 559 Tank, Fuel, Aircraft<br>7-211641002,<br>(Amfuel P/N; 37833-3 (05476))<br>See Fig. 558 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS21209F4-15       | Insert, Screw Thread .....                                                                                                     | 8          |
| 2                  | PAOZZ              | 01556       | 3591-3CN-0285      | Insert, Screw Thread .....                                                                                                     | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                |            |

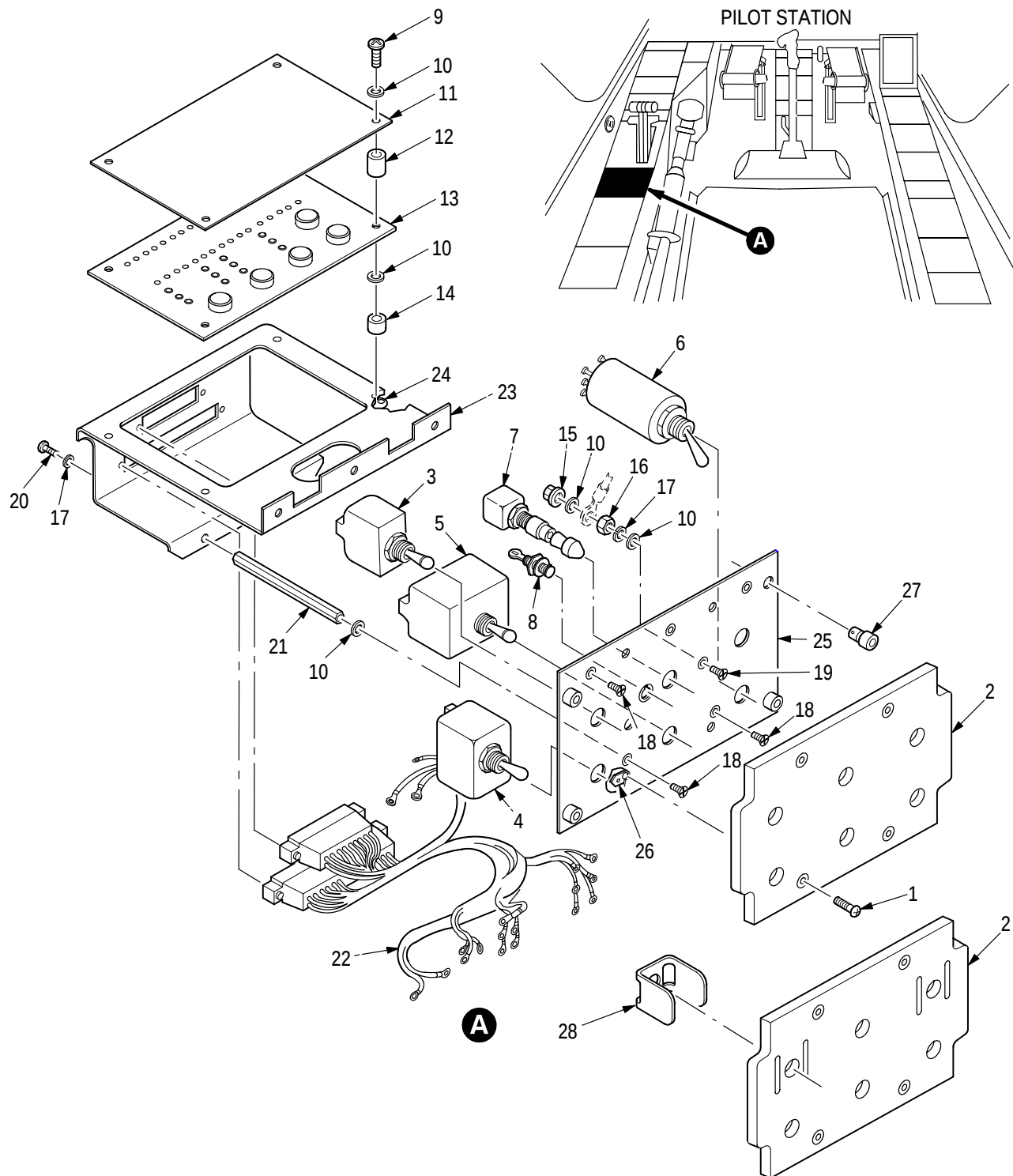




M09-573A

Figure 560. Group 10 Tank, Fuel, Aircraft AFT  
7-211641002 (Goodyear P/N 320-4-44734-101 (56221))  
7-511641302-001 (Goodyear P/N 320-4-44734-103 (56221))

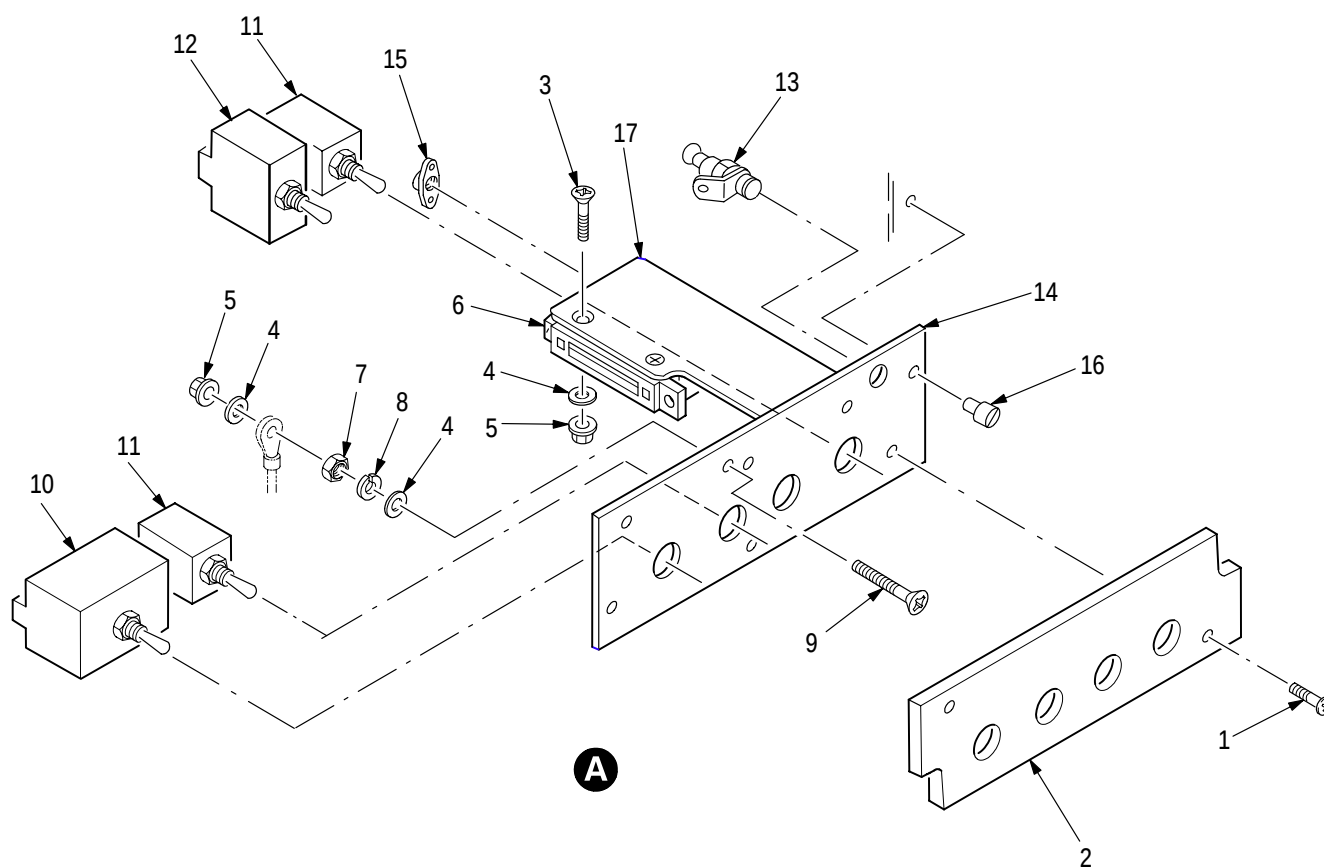
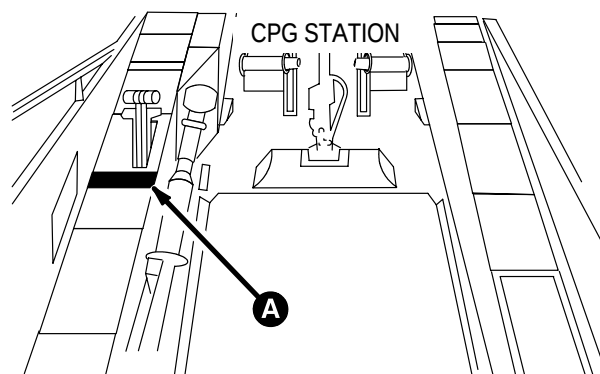
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 560 Tank, Fuel, Aircraft AFT<br>7-211641002<br>(Goodyear P/N 320-4-44734-101 (56221))<br>7-511641302-001<br>(Goodyear P/N 320-4-44734-103 (56221))<br>See Fig. 558 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS21209F4-15       | Insert, Screw Thread .....                                                                                                                                                                              | 8          |
| 2                  | PAOZZ              | 01556       | 3591-3CN-0380      | Insert, Screw Thread .....                                                                                                                                                                              | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                                                                         |            |



M09-634D

Figure 561. Group 10 Panel Assembly, Fuel (Pilot)  
 7-311642069-605  
 7-311642069-607 A/C With MWO 1-1520-238-50-40 Incorporated

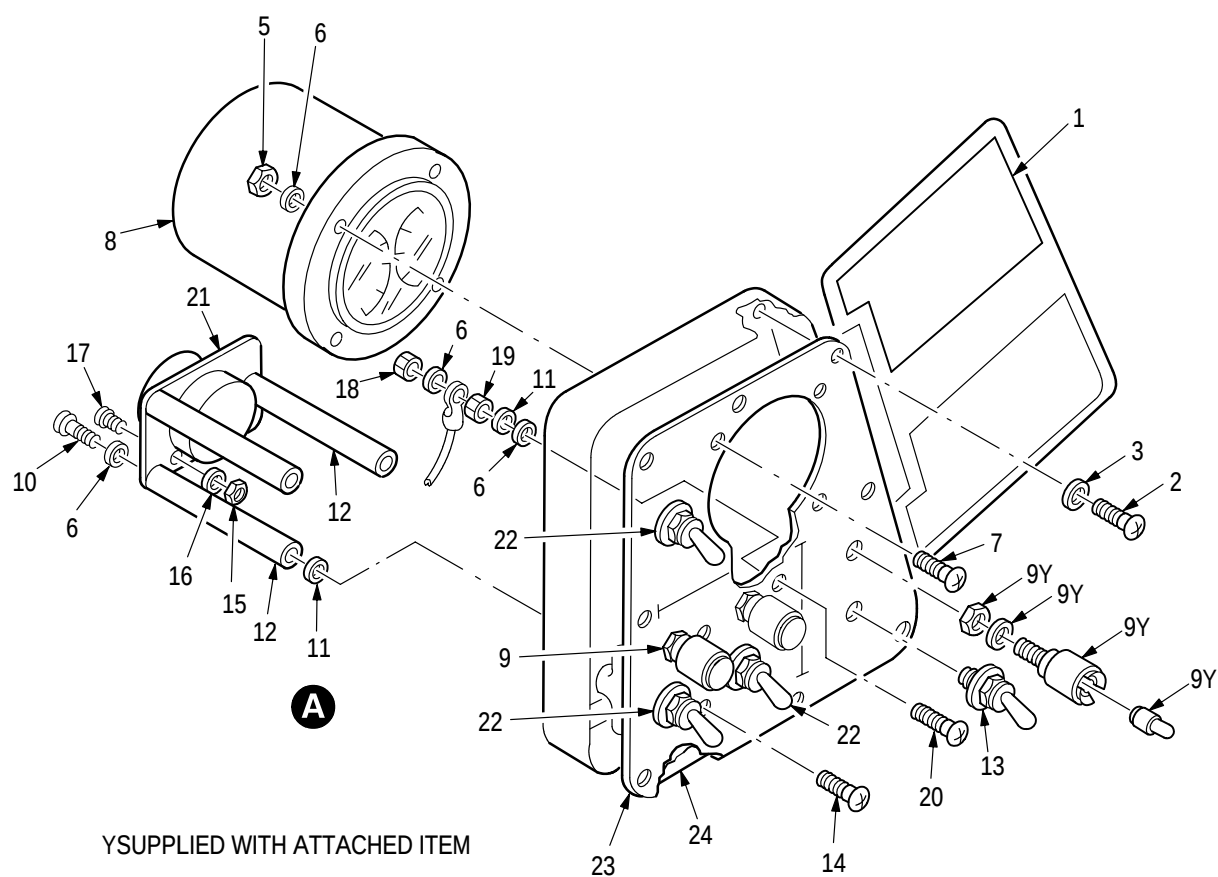
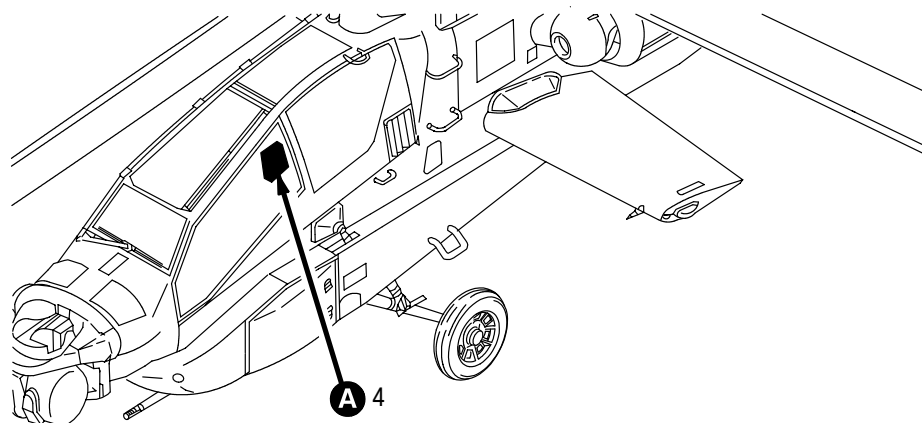
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                               | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 561 Panel Assembly, Fuel (Pilot)<br>7-311642069-605<br>7-311642069-607<br>A/C With MWO 1-1520-238-50-40 Incorporated<br>See Fig. 370 for NHA |            |
| 1                  | PAFZZ              | 80205       | NAS601-9P          | • Screw, Machine .....                                                                                                                                                    | 4          |
| 2                  | PAOZZ              | 8V613       | 7-311642067        | • Panel, Indicating, Li (U/O P/N 7-311642069-605) .....                                                                                                                   | 1          |
| 2                  | PAOZZ              | 8V613       | 7-311642067-3      | • Panel, Indicating L (U/O P/N 7-311642069-607) .....                                                                                                                     | 1          |
| 3                  | PAFZZ              | 96906       | MS24658-23D        | • Switch, Toggle .....                                                                                                                                                    | 2          |
| 4                  | PAFZZ              | 96906       | MS24524-23         | • Switch, Toggle .....                                                                                                                                                    | 1          |
| 5                  | PAFZZ              | 96906       | MS27406-1          | • Switch, Toggle .....                                                                                                                                                    | 1          |
| 6                  | PAFZZ              | 81349       | M5594/2-1          | • Switch, Toggle .....                                                                                                                                                    | 1          |
| 7                  | PAFZZ              | 96906       | MS21027A331        | • Switch, Toggle .....                                                                                                                                                    | 1          |
| 8                  | PAFZZ              | 96906       | MS90335-3          | • Connector, Receptacl .....                                                                                                                                              | 1          |
| 9                  | PAFZZ              | 96906       | MS51957-34B        | • Screw, Machine .....                                                                                                                                                    | 4          |
| 10                 | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat .....                                                                                                                                                      | 14         |
| 11                 | PAFFF              | 8V613       | 7-311642311        | • Cover, Access .....                                                                                                                                                     | 5          |
| 12                 | PAFZZ              | 02731       | HS4230A6001        | • • Spacer, Sleeve .....                                                                                                                                                  | 4          |
| 13                 | PAFZZ              | 8V613       | 7-311642312        | • Electronic Componen (U/O P/N 7-311642069-605) .....                                                                                                                     | 1          |
| 13                 | PAFZZ              | 8V613       | 7-311642312-3      | • Electronic Componen (U/O P/N 7-311642069-607) .....                                                                                                                     | 1          |
| 14                 | PAFZZ              | 80205       | NAS43DD1-3N        | • Spacer, Sleeve .....                                                                                                                                                    | 4          |
| 15                 | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex .....                                                                                                                                             | 1          |
| 16                 | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon .....                                                                                                                                               | 1          |
| 17                 | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock .....                                                                                                                                                      | 3          |
| 18                 | PAFZZ              | 96906       | MS24693-C26        | • Screw, Machine .....                                                                                                                                                    | 3          |
| 19                 | PAFZZ              | 96906       | MS24693C30         | • Screw, Machine .....                                                                                                                                                    | 1          |
| 20                 | PAFZZ              | 96906       | MS51957-28         | • Screw, Machine .....                                                                                                                                                    | 2          |
| 21                 | PAFZZ              | 80205       | NAS1786A06-44      | • Post, Electrical-Mec .....                                                                                                                                              | 2          |
| 22                 | PAFZZ              | 8V613       | 7-311B24612-011    | • Wiring Harness, Bran (U/O P/N 7-311642069-605) .....                                                                                                                    | 1          |
| 22                 | PAFZA              | 8V613       | 7-311B24612-013    | • Wiring Harness, Bran (U/O P/N 7-311642069-607) .....                                                                                                                    | 1          |
| 23                 | PAFFF              | 8V613       | 7-311642310        | • Bracket, Mounting .....                                                                                                                                                 | 1          |
| 24                 | PAFZZ              | 80205       | MS21075L06N        | • • Nut, Self-Locking, Pl .....                                                                                                                                           | 7          |
| 25                 | PAFFF              | 8V613       | 7-311642068        | • Support, Panel .....                                                                                                                                                    | 1          |
| 26                 | PAFZZ              | 80205       | MS21075L06N        | • • Nut, Self-Locking, Pl .....                                                                                                                                           | 4          |
| 27                 | PAFZZ              | 02731       | HS4148-1           | • • Stud Assembly, Turnl .....                                                                                                                                            | 4          |
| 28                 | PAFZZ              | 8V613       | 7-311B25016-1      | • Switch, Push (U/O P/N 7-311642069-607) .....                                                                                                                            | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                                           |            |



M09-388F

Figure 562. Group 10 Panel Assembly, Fuel (Copilot/Gunner)  
7-311642307-5

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 562 Panel Assembly, Fuel (Copilot/Gunner)<br>7-311642307-5<br>See Fig. 370 for NHA |            |
| 1                  | PAFZZ              | 80205       | NAS601-9P          | • Screw, Machine .....                                                                                          | 2          |
| 2                  | PAOZZ              | 8V613       | 7-211642301-3      | • Panel, Ind Light, Fue .....                                                                                   | 1          |
| 3                  | PAFZZ              | 96906       | MS24693S28         | • Screw, Machine .....                                                                                          | 2          |
| 4                  | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat .....                                                                                            | 4          |
| 5                  | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex .....                                                                                   | 3          |
| 6                  | PAFZZ              | 8V613       | 7-311B24618-003    | • Wiring Harness, Bran .....                                                                                    | 1          |
| 7                  | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon .....                                                                                     | 1          |
| 8                  | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock .....                                                                                            | 1          |
| 9                  | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine .....                                                                                          | 1          |
| 10                 | PAFZZ              | 96906       | MS24660-23G        | • Switch, Toggle .....                                                                                          | 1          |
| 11                 | PAFZZ              | 96906       | MS21027A331        | • Switch, Toggle .....                                                                                          | 2          |
| 12                 | PAFZZ              | 81349       | M5594/2-1          | • Switch, Toggle .....                                                                                          | 1          |
| 13                 | PAFZA              | 96906       | MS90335-3          | • Connector, Receptacl .....                                                                                    | 1          |
| 14                 | PAFFF              | 8V613       | 7-311642302-11     | • Support, Panel .....                                                                                          | 1          |
| 15                 | PAFZZ              | 80205       | MS21075L06N        | • • Nut, Self-Locking, Pl .....                                                                                 | 2          |
| 16                 | PAFZZ              | 02731       | HS4148-1           | • • Stud Assembly, Turnl .....                                                                                  | 2          |
| 17                 | MFFZZ              | 8V613       | 7-311642302-13     | • • Bracket .....                                                                                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                 |            |

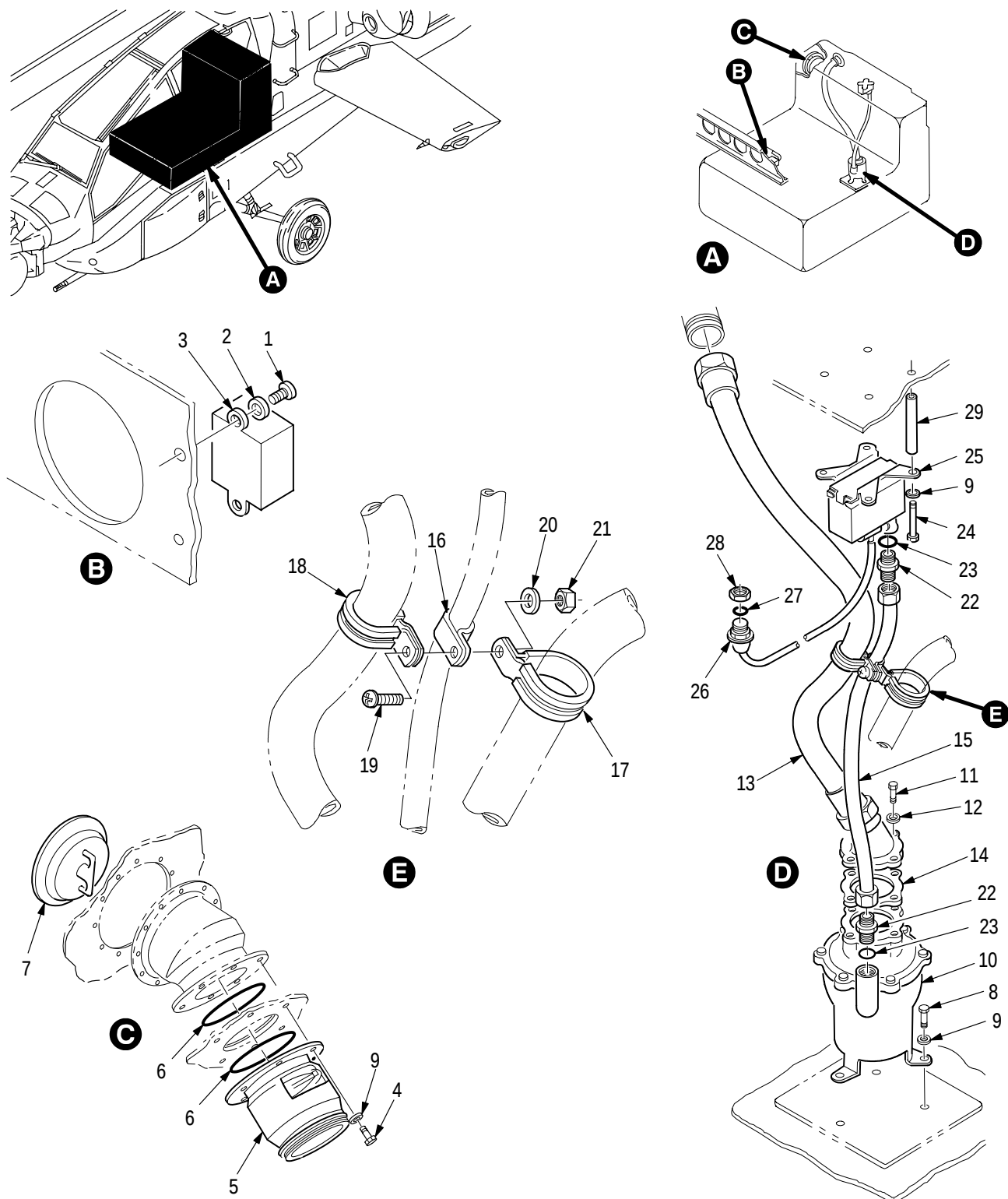


M09-1149B

Figure 563. Group 10 Refueling and Transfer Fuel System (Panel Assembly)  
7-311642020

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 563 Refueling and Transfer Fuel System<br>(Panel Assembly)<br>7-311642020 |            |
| 1                  | XDOZZ              | 8V613       | 7-311642518        | • Decal .....                                                                                          | 1          |
| 2                  | PAOZZ              | 80205       | NAS1403-2          | • Screw, Machine .....                                                                                 | 8          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                   | 7          |
| 4                  | PAOFF              | 8V613       | 7-311642520        | • Panel Assy, Refuelin .....                                                                           | 1          |
| 5                  | PAFZZ              | 96906       | MS21044B06         | • • Nut, Self-Locking, He .....                                                                        | 4          |
| 6                  | PAFZZ              | 88044       | AN960JD6L          | • • Washer, Flat .....                                                                                 | 9          |
| 7                  | PAFZZ              | 96906       | MS35214-29         | • • Screw, Machine .....                                                                               | 4          |
| 8                  | PAOZZ              | 8V613       | 7-211C20011        | • • Indicator, Refueling .....                                                                         | 1          |
| 9                  | PAOZZ              | 96906       | MS25041-6-327      | • • Light, Indicator .....                                                                             | 3          |
| 10                 | PAFZZ              | 80205       | NAS601-6P          | • • Screw, Machine .....                                                                               | 3          |
| 11                 | PAFZZ              | 96906       | MS35338-41         | • • Washer, Lock .....                                                                                 | 7          |
| 12                 | PAFZZ              | 80205       | NAS1786A06-56      | • • Post, Electrical-Mec .....                                                                         | 3          |
| 13                 | PAFZZ              | 96906       | MS24524-23         | • • Switch, Toggle .....                                                                               | 1          |
| 14                 | PAFZZ              | 96906       | MS24693S26         | • • Screw, Machine .....                                                                               | 3          |
| 15                 | PAFZZ              | 80205       | MS21042L04         | • • Nut, Self-Locking, Ex .....                                                                        | 4          |
| 16                 | PAFZZ              | 88044       | AN960JD4L          | • • Washer, Flat .....                                                                                 | 4          |
| 17                 | PAFZZ              | 80205       | NAS600-6P          | • • Screw, Machine .....                                                                               | 4          |
| 18                 | PAFZZ              | 80205       | MS21042L06         | • • Nut, Self-Locking, Ex .....                                                                        | 1          |
| 19                 | PAFZZ              | 80205       | NAS671C6           | • • Nut, Plain, Hexagon .....                                                                          | 1          |
| 20                 | PAFZZ              | 96906       | MS24693S30         | • • Screw, Machine .....                                                                               | 1          |
| 21                 | XDFZZ              | 8V613       | 7-311642314        | • • Bracket .....                                                                                      | 1          |
| 22                 | PAOZZ              | 96906       | MS24523-22         | • • Switch, Toggle .....                                                                               | 3          |
| 23                 | PAFFF              | 8V613       | 7-311642517        | • • Panel, Indicator .....                                                                             | 1          |
| 24                 | MFFZZ              | 8V613       | 7-311642517-5      | • • • Seal,Gasket .....                                                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                        |            |

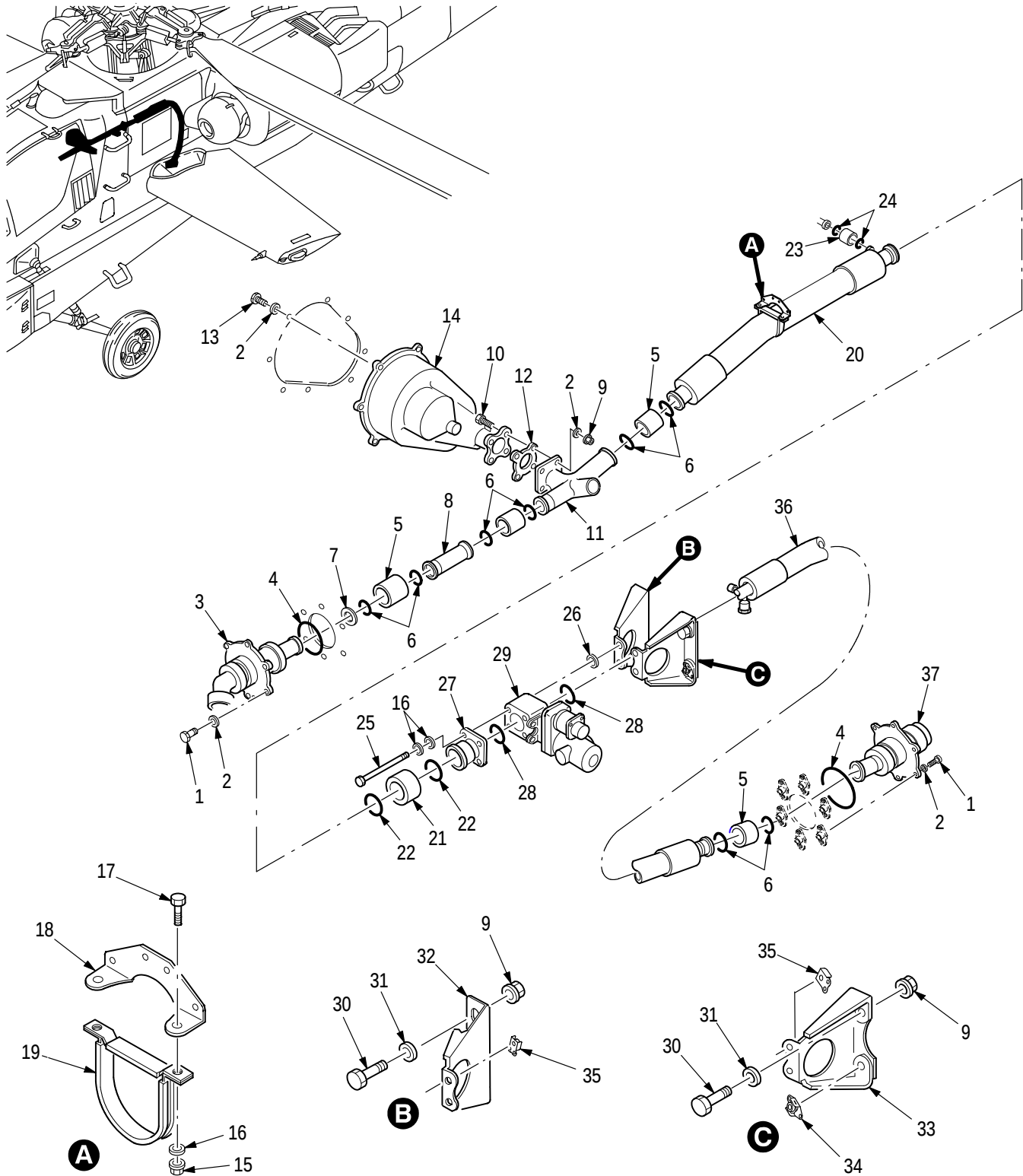




M09-394J

Figure 564. Group 10 Refueling and Transfer Fuel System (FS 135 to FS 168)  
7-311642020

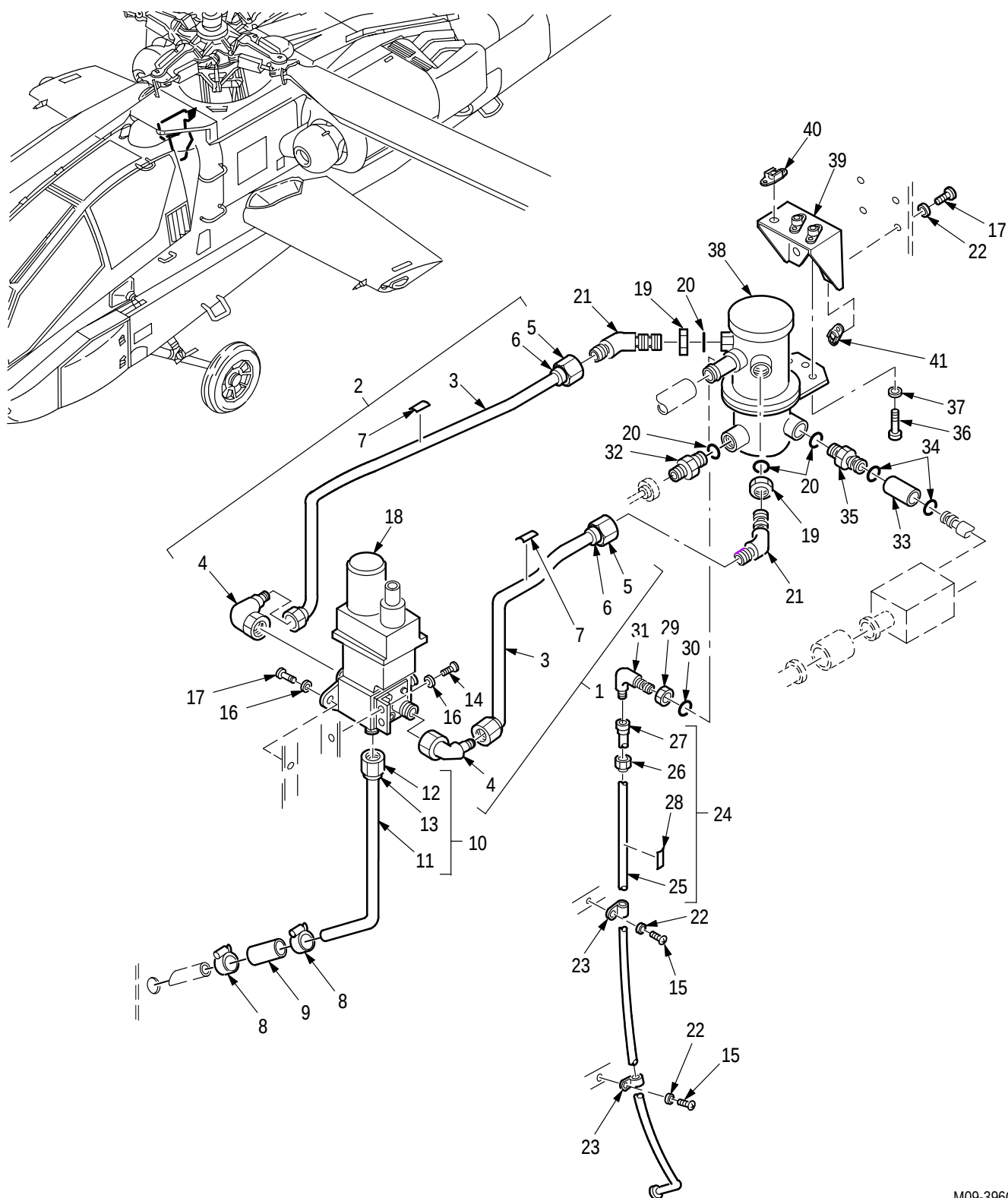
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 564 Refueling and Transfer Fuel System<br>(FS 135 to FS 168)<br>7-311642020 |            |
| 1                  | PAOZZ              | 80205       | NAS601-6P          | • Screw, Machine .....                                                                                   | 4          |
| 2                  | PAOZZ              | 80205       | NAS620-6L          | • Washer, Flat .....                                                                                     | 2          |
| 3                  | PAOZZ              | 8V613       | 7-311642111        | • Switch, Isolation .....                                                                                | 1          |
| 4                  | PAOZZ              | 80205       | NAS6704U3          | • Bolt, Shear .....                                                                                      | 6          |
| 5                  | PAOFF              | 8V613       | 7-117420021-5      | • Valve, Fuel System (See Fig. 569 for Breakdown) .....                                                  | 2          |
| 6                  | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....                                                                                           | 2          |
| 7                  | PAOZZ              | 8V613       | 7-311642024-3      | • Cap Assembly, Fuel .....                                                                               | 1          |
| 8                  | PAOZZ              | 80205       | NAS6704U2          | • Bolt, Shear .....                                                                                      | 4          |
| 9                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....                                                                                     | 13         |
| 10                 | PAODD              | 8V613       | 7-211642002-9      | • Valve, Shutoff .....                                                                                   | 1          |
| 11                 | PAOZZ              | 80205       | NAS6703U4          | • Bolt, Shear .....                                                                                      | 4          |
| 12                 | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                     | 4          |
| 13                 | PAOZZ              | 8V613       | 7-211642006        | • Hose Assembly, Nonme .....                                                                             | 1          |
| 14                 | PAOZZ              | 96906       | MS27194-16         | • Gasket .....                                                                                           | 1          |
| 15                 | PAOZZ              | 8V613       | 7-117420010-7      | • Hose Assembly, Nonme .....                                                                             | 1          |
| 16                 | XDOZZ              | 88044       | AN742H7            | • Clamp, L00P .....                                                                                      | 1          |
| 17                 | PAOZZ              | 96906       | MS21919WCF30       | • Clamp, Loop .....                                                                                      | 1          |
| 18                 | PAOZZ              | 96906       | MS21919WCF18       | • Clamp, Loop .....                                                                                      | 1          |
| 19                 | PAOZZ              | 96906       | MS51958-64         | • Screw, Machine .....                                                                                   | 1          |
| 20                 | PAOZZ              | 80205       | NAS620C10L         | • Washer, Flat .....                                                                                     | 1          |
| 21                 | PAOZZ              | 96906       | MS21044C3          | • Nut, Self-Locking, He .....                                                                            | 1          |
| 22                 | PAOZZ              | 96906       | MS21902D4          | • Nipple, Boss .....                                                                                     | 2          |
| 23                 | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....                                                                                           | 2          |
| 24                 | PAOZZ              | 80205       | NAS6704U58         | • Bolt, Shear .....                                                                                      | 4          |
| 25                 | PAOOO              | 8V613       | 7-211642003-11     | • Valve, Solenoid .....                                                                                  | 1          |
| 26                 | XAOOO              | 81349       | M83723-74A1002N    | • • Connector .....                                                                                      | 1          |
| 27                 | PAOZZ              | 81349       | M25988/1-019       | • • • O-Ring .....                                                                                       | 1          |
| 28                 | PAOZZ              | 96906       | MS3186-A-106W      | • • • Nut, Plain, Hexagon .....                                                                          | 1          |
| 29                 | XDOZZ              | 80205       | NAS43DD4-224       | • Spacer, Sleeve .....                                                                                   | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                                          |            |



M09-636E

Figure 565. Group 10 Refueling and Transfer Fuel System (FS 176 to FS 230)  
7-311642020

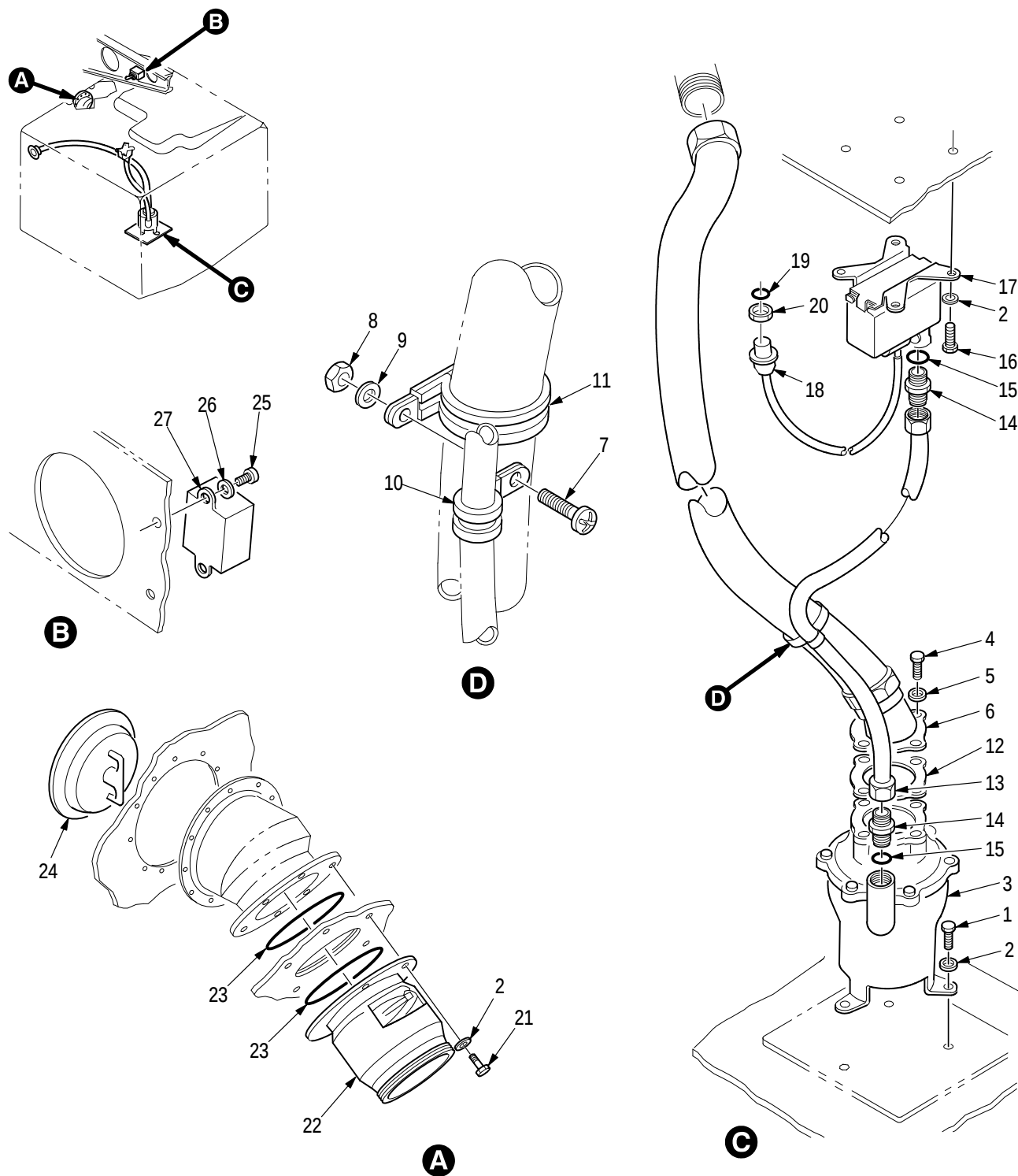
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 565 Refueling and Transfer Fuel System<br>(FS 176 to FS 230)<br>7-311642020 |            |
| 1                  | PAOZZ              | 80205       | NAS6704U3          | • Bolt, Shear .....                                                                                      | 12         |
| 2                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....                                                                                     | 24         |
| 3                  | PAOZZ              | 8V613       | 7-211642014-3      | • Valve, Fuel .....                                                                                      | 1          |
| 4                  | PAOZZ              | 96906       | MS29513-235        | • O-Ring .....                                                                                           | 2          |
| 5                  | PAOZZ              | 79326       | W701-16DE          | • Coupling Assembly, T .....                                                                             | 4          |
| 6                  | PAOZZ              | 96906       | MS29513-216        | • O-Ring .....                                                                                           | 8          |
| 7                  | PAOZZ              | 8V613       | 7-211642101        | • Restrictor, Fluid Fl .....                                                                             | 1          |
| 8                  | PAOZZ              | 8V613       | 7-211642019-5      | • Connector, Fuelline .....                                                                              | 1          |
| 9                  | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....                                                                            | 7          |
| 10                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....                                                                                      | 4          |
| 11                 | PAOZZ              | 8V613       | 7-211642005-3      | • Fitting, Refuel, Line .....                                                                            | 1          |
| 12                 | PAOZZ              | 96906       | MS27194-24         | • Gasket .....                                                                                           | 1          |
| 13                 | PAOZZ              | 80205       | NAS6604-2          | • Bolt, Shear .....                                                                                      | 8          |
| 14                 | PAOOO              | 8V613       | 7-311642001        | • Manifold, Fuel Servi (See Fig. 568 for Breakdown) .....                                                | 1          |
| 15                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                            | 2          |
| 16                 | XDOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                     | 10         |
| 17                 | PAOZZ              | 80205       | NAS6603-3          | • Bolt, Shear .....                                                                                      | 2          |
| 18                 | PAOZZ              | 8V613       | 7-211642013        | • Bracket, Angle .....                                                                                   | 1          |
| 19                 | PAOZZ              | 02731       | HS4218D32NB        | • Strap, Retaining .....                                                                                 | 1          |
| 20                 | PAOZZ              | 8V613       | 7-211642008        | • Hose Assembly, Nonme .....                                                                             | 1          |
| 21                 | PAOZZ              | 02731       | HS4724-16DE        | • Coupling, Clamp, Groo .....                                                                            | 1          |
| 22                 | PAOZZ              | 96906       | MS9021-214         | • O-Ring .....                                                                                           | 2          |
| 23                 | PAOZZ              | 02731       | HS4724-8DE         | • Coupling, Clamp, Groo .....                                                                            | 1          |
| 24                 | PAOZZ              | 99207       | R1307P015          | • O-Ring .....                                                                                           | 4          |
| 25                 | PAOZZ              | 80205       | NAS6603-31         | • Bolt, Shear .....                                                                                      | 4          |
| 26                 | PAOZZ              | 80205       | NAS1149D0363J      | • Washer, Flat .....                                                                                     | 4          |
| 27                 | PAOZZ              | 8V613       | 7-211642091        | • Fitting, Transfer, Va .....                                                                            | 1          |
| 28                 | PAOZZ              | 96906       | MS29513-123        | • Packing, Preforme .....                                                                                | 2          |
| 29                 | PAODD              | 8V613       | 7-211642004        | • Valve, Shutoff, Fuel .....                                                                             | 1          |
| 30                 | PAOZZ              | 80205       | NAS6604H3          | • Bolt, Shear .....                                                                                      | 4          |
| 31                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....                                                                                     | 4          |
| 32                 | PAOFF              | 8V613       | 7-211642011-3      | • Bracket, Mounting .....                                                                                | 1          |
| 33                 | PAOFF              | 8V613       | 7-211642011-5      | • Bracket Assy, Valve .....                                                                              | 1          |
| 34                 | PAFZZ              | 96906       | MS21076L4          | • • Nut, Self-Locking, Pl (U/O P/N 7-211642011-5) .....                                                  | 1          |
| 35                 | PAFZZ              | 02731       | HS4153-02          | • • Nut, Self-Locking, Pl .....                                                                          | 2          |
| 36                 | PAOZZ              | 8V613       | 7-211642009        | • Hose Assembly, Refue .....                                                                             | 1          |
| 36                 | PAOZZ              | 8V613       | 7-211642009-3      | • Hose Assembly, Refue<br>Used With Under-Sized Fuel Cells .....                                         | 1          |
| 37                 | PAOZZ              | 8V613       | 7-211642015-3      | • Valve, Breakway .....                                                                                  | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                          |            |



M09-396C

Figure 566. Group 10 Refueling and Transfer Fuel System (Air Valve and Fuel Pump)  
7-311642020

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 566 Refueling and Transfer Fuel System<br>(Air Valve and Fuel Pump)<br>7-311642020 |            |
| 1                  | MFOFF              | 8V613       | 7-311642510        | • Tube Assy .....                                                                                               | 1          |
| 2                  | MFOFF              | 8V613       | 7-311642509        | • Tube Assy .....                                                                                               | 1          |
| 3                  | MFFZZ              | 8V613       | 7-311642509-3      | •• Tube (U/W P/N 7-311642509 Tube) .....                                                                        | 1          |
| 3                  | MFFZZ              | 8V613       | 7-311642510-3      | •• Tube (U/W P/N 7-311642510 Tube) .....                                                                        | 1          |
| 4                  | PAFZZ              | 02731       | HS4519-8D          | •• Elbow, Tube to Boss .....                                                                                    | 2          |
| 5                  | PAFZZ              | 96906       | MS21921-8D         | •• Nut, Tube Coupling .....                                                                                     | 4          |
| 6                  | PAFZZ              | 96906       | MS21922-8          | •• Sleeve, Clinch, Tube .....                                                                                   | 4          |
| 7                  | XDFZZ              | 02731       | HS4367-2           | •• Plate, Identificatio .....                                                                                   | 1          |
| 8                  | PAOZZ              | 80205       | NAS1922-0075-1     | • Clamp, Hose .....                                                                                             | 2          |
| 9                  | PAOZZ              | 8V613       | 7-311642516        | • Hose, Nonmetallic .....                                                                                       | 1          |
| 10                 | MFOFF              | 8V613       | 7-311642513        | • Tube Assy .....                                                                                               | 1          |
| 11                 | MFFZZ              | 8V613       | 7-311642513-3      | •• Tube .....                                                                                                   | 1          |
| 12                 | PAFZZ              | 96906       | MS21921-8D         | •• Nut, Tube Coupling .....                                                                                     | 2          |
| 13                 | PAFZZ              | 96906       | MS21922-8          | •• Sleeve, Clinch, Tube .....                                                                                   | 2          |
| 14                 | PAOZZ              | 80205       | NAS7703-2          | • Screw, Close Toleran .....                                                                                    | 2          |
| 15                 | PAOZZ              | 80205       | NAS603-8           | • Screw, Machine .....                                                                                          | 2          |
| 16                 | XDOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                            | 3          |
| 17                 | PAOZZ              | 80205       | NAS7703-3          | • Screw, Machine .....                                                                                          | 6          |
| 18                 | PAODD              | 8V613       | 7-211642092        | • Valve, Fuel Transfer .....                                                                                    | 1          |
| 19                 | PAOZZ              | 81343       | AS5178D08          | • Nut, Plain, Hexagon .....                                                                                     | 2          |
| 20                 | PAOZZ              | 96906       | MS29512-08         | • O-Ring .....                                                                                                  | 1          |
| 21                 | PAOZZ              | 96906       | MS21907D8          | • Elbow, Tube .....                                                                                             | 2          |
| 22                 | PAOZZ              | 80205       | NAS1149D0363J      | • Washer, Flat .....                                                                                            | 6          |
| 23                 | PAOZZ              | 81349       | M85052/1-7         | • Clamp, Loop .....                                                                                             | 2          |
| 24                 | MFOFF              | 8V613       | 7-311642512        | • Tube Assy .....                                                                                               | 1          |
| 25                 | MFFZZ              | 8V613       | 7-311642512-3      | •• Tube .....                                                                                                   | 1          |
| 26                 | PAFZZ              | 96906       | MS21921D4          | •• Nut, Tube Coupling .....                                                                                     | 2          |
| 27                 | PAFZZ              | 96906       | MS21922-4          | •• Sleeve, Clinch, Tube .....                                                                                   | 2          |
| 28                 | XDFZZ              | 02731       | HS4367-2           | •• Plate, Identificatio .....                                                                                   | 1          |
| 29                 | PAOZZ              | 88044       | AN924-4D           | • Nut, Plain, Hexagon .....                                                                                     | 1          |
| 30                 | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....                                                                                                  | 1          |
| 31                 | PAOZZ              | 96906       | MS21908D4          | • Elbow, Tube .....                                                                                             | 1          |
| 32                 | PAOZZ              | 8V613       | 7-211642055        | • Tube Assembly, Metal .....                                                                                    | 1          |
| 33                 | PAOZZ              | 02731       | HS4724-8DE         | • Coupling, Clamp, Groo .....                                                                                   | 1          |
| 34                 | PAOZZ              | 96906       | MS29513-015        | • O-Ring .....                                                                                                  | 4          |
| 35                 | PAOZZ              | 8V613       | 7-211642054        | • Connector, Fluid, Pum .....                                                                                   | 1          |
| 36                 | PAOZZ              | 80205       | NAS6604-5          | • Bolt, Machine .....                                                                                           | 3          |
| 37                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                            | 3          |
| 38                 | PAODD              | 8V613       | 7-211642052-9      | • Pump, Submerged, Airc .....                                                                                   | 1          |
| 39                 | PAOOO              | 8V613       | 7-211642053        | • Bracket Assembly, Pu .....                                                                                    | 1          |
| 40                 | PAOZZ              | 96906       | MS21075-4          | •• Nut, Self-Locking, Pl .....                                                                                  | 3          |
| 41                 | PAOZZ              | 96906       | MS21075-3          | •• Nut, Self-Locking, Pl .....                                                                                  | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                                                 |            |

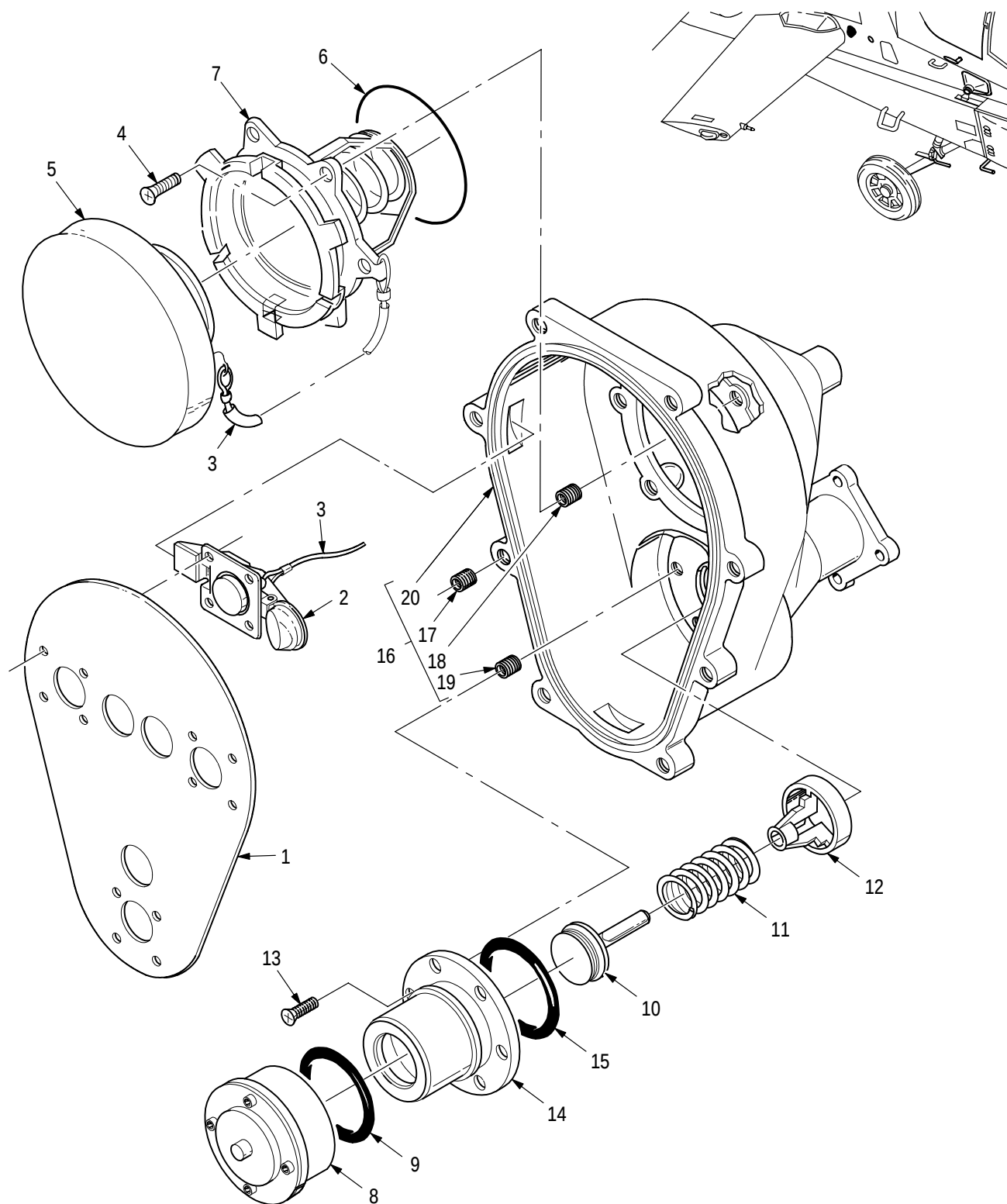


M09-635E

Figure 567. Group 10 Refueling and Transfer Fuel System (FS 230 to FS 280)  
7-311642020

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 567 Refueling and Transfer Fuel System<br>(FS 230 to FS 280)<br>7-311642020 |            |
| 1                  | PAOZZ              | 80205       | NAS6704U2          | • Bolt, Shear .....                                                                                      | 4          |
| 2                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....                                                                                     | 13         |
| 3                  | PAODD              | 8V613       | 7-211642002-9      | • Valve, Shutoff .....                                                                                   | 1          |
| 4                  | PAOZZ              | 80205       | NAS6703U4          | • Bolt, Shear .....                                                                                      | 4          |
| 5                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                     | 4          |
| 6                  | PAOZZ              | 8V613       | 7-211642007        | • Hose Assy, Refueling .....                                                                             | 1          |
| 7                  | PAOZZ              | 96906       | MS51958-63         | • Screw, Machine .....                                                                                   | 1          |
| 8                  | PAOZZ              | 96906       | MS21044C3          | • Nut, Self-Locking, He .....                                                                            | 1          |
| 9                  | PAOZZ              | 80205       | NAS620C10L         | • Washer, Flat .....                                                                                     | 1          |
| 10                 | XDOZZ              | 88044       | AN742F7            | • Clamp, Loop .....                                                                                      | 1          |
| 11                 | PAOZZ              | 96906       | MS21919WCF18       | • Clamp, Loop .....                                                                                      | 1          |
| 12                 | PAOZZ              | 96906       | MS27194-16         | • Gasket .....                                                                                           | 1          |
| 13                 | PAOZZ              | 8V613       | 7-117420010-9      | • Hose Assembly, Nonme .....                                                                             | 1          |
| 14                 | PAOZZ              | 96906       | MS21902D4          | • Nipple, Boss .....                                                                                     | 2          |
| 15                 | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....                                                                                           | 2          |
| 16                 | PAOZZ              | 80205       | NAS6704U1          | • Bolt, Shear .....                                                                                      | 4          |
| 17                 | PAOOO              | 8V613       | 7-211642003-13     | • Valve, Solenoid .....                                                                                  | 1          |
| 18                 | XAOOO              | 81349       | M83723-74A1002N    | • • Connector .....                                                                                      | 1          |
| 19                 | PAOZZ              | 81349       | M25988/1-019       | • • • O-Ring .....                                                                                       | 1          |
| 20                 | PAOZZ              | 96906       | MS3186-A-106W      | • • • Nut, Plain, Hexagon .....                                                                          | 1          |
| 21                 | PAOZZ              | 80205       | NAS6704U3          | • Bolt, Shear .....                                                                                      | 6          |
| 22                 | PAOFF              | 8V613       | 7-117420021-5      | • Valve, Fuel System (See Fig 569 for Breakdown) .....                                                   | 2          |
| 23                 | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....                                                                                           | 2          |
| 24                 | PAOZZ              | 8V613       | 7-311642024-3      | • Cap Assembly, Fuel .....                                                                               | 1          |
| 25                 | PAOZZ              | 80205       | NAS601-6P          | • Screw, Machine .....                                                                                   | 4          |
| 26                 | PAOZZ              | 80205       | NAS620-6L          | • Washer, Flat .....                                                                                     | 2          |
| 27                 | PAOZZ              | 8V613       | 7-311642111        | • Switch, Isolation .....                                                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                          |            |

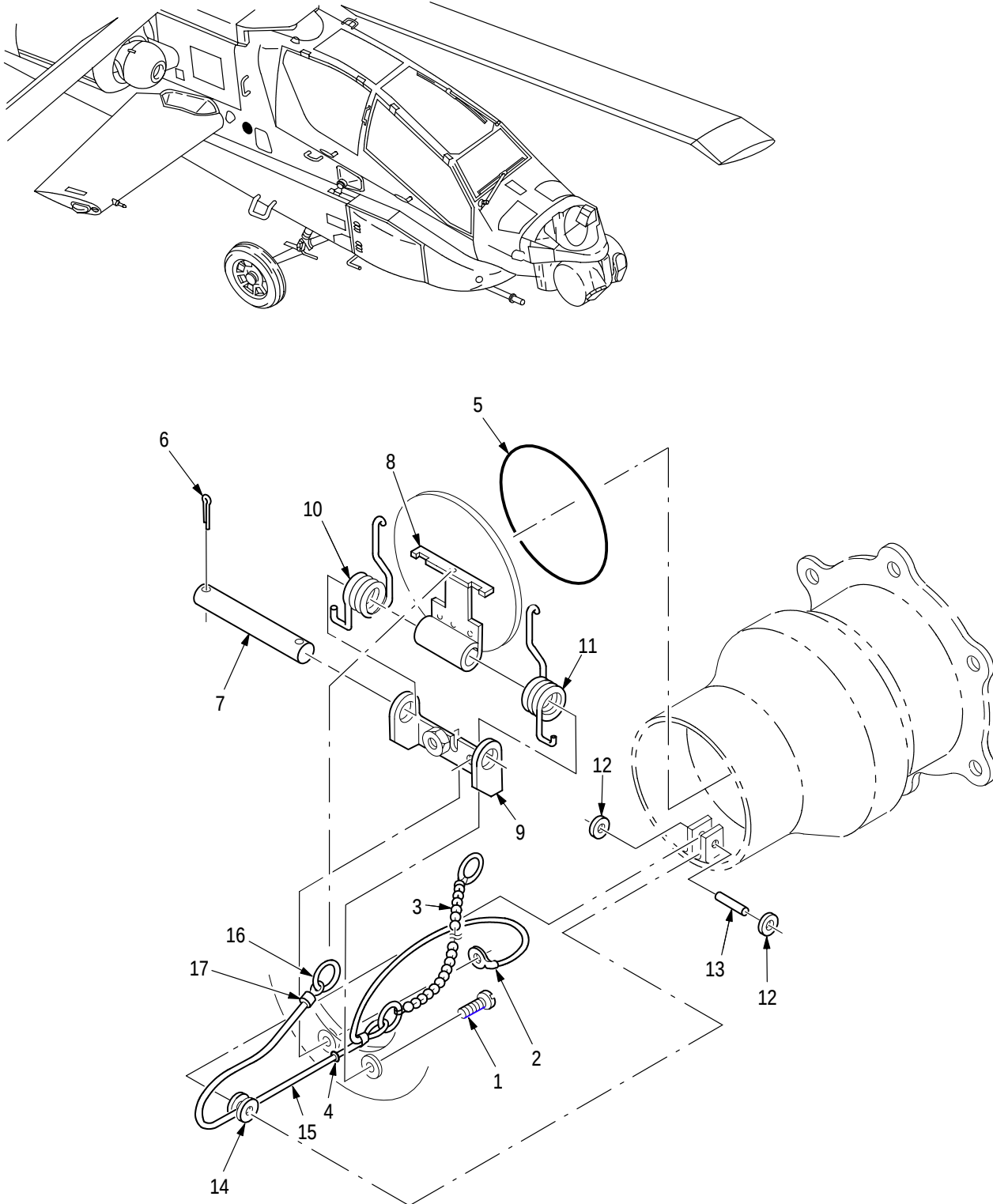




M09-941C

Figure 568. Group 10 Manifold, Fuel Service  
7-311642001 (707600-3 (96124))

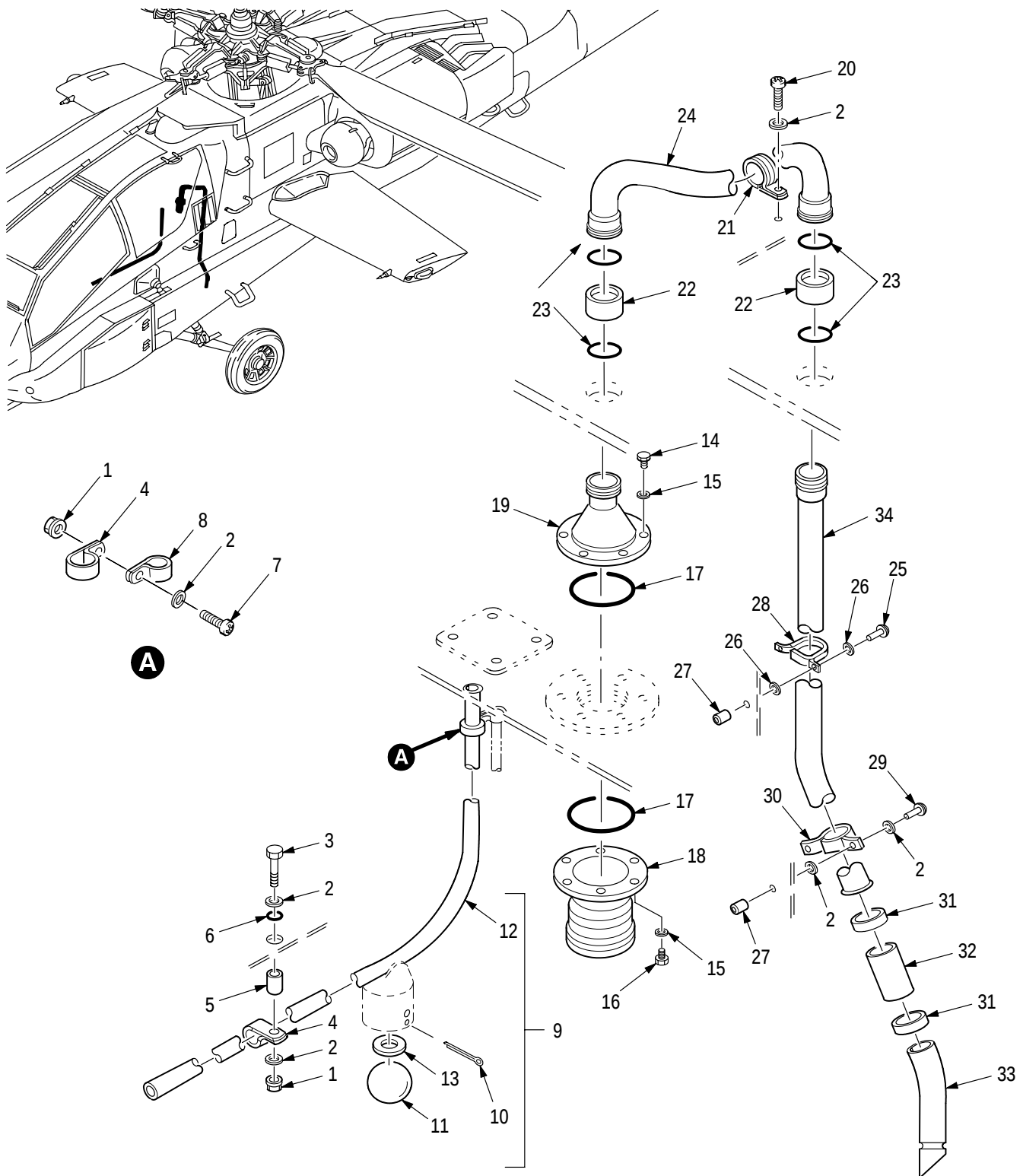
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 568 Manifold, Fuel Service<br>7-311642001 (707600-3 (96124))<br>See Fig. 565 for NHA |            |
| 1                  | PAOZZ              | 96124       | 707604-1           | • Cover, Manifold, Fuel .....                                                                                     | 1          |
| 2                  | PAOZZ              | 83014       | H600K1528          | • Latch, Manifold, Fuel .....                                                                                     | 3          |
| 3                  | PAOZZ              | 96124       | 744075             | • Wire Rope Assembly, .....                                                                                       | 2          |
| 4                  | PAOZZ              | 96906       | MS24693C273        | • Screw, Machine .....                                                                                            | 6          |
| 5                  | PAOZZ              | 96906       | MS29526-2          | • Cap, Filler Opening .....                                                                                       | 1          |
| 6                  | PAOZZ              | 96124       | AS113-68-153       | • O-Ring .....                                                                                                    | 1          |
| 7                  | PAOZZ              | 96124       | 701500-2           | • Adapter, Pressure Fu .....                                                                                      | 1          |
| 8                  | PAOOO              | 96124       | 707616-1           | • Cap Assy, Manifold .....                                                                                        | 1          |
| 9                  | PAOZZ              | 96124       | AS113-29-133       | • O-Ring .....                                                                                                    | 1          |
| 10                 | PAOZZ              | 96124       | 707623-1           | • Poppet, Manifold .....                                                                                          | 1          |
| 11                 | PAOZZ              | 96124       | 744015             | • Spring, Helical, Comp .....                                                                                     | 1          |
| 12                 | PAOZZ              | 96124       | 744011-3           | • Spider, Refueling Mo .....                                                                                      | 1          |
| 13                 | PAOZZ              | 96906       | MS24693-C50        | • Screw, Machine .....                                                                                            | 6          |
| 14                 | PAOZZ              | 96124       | 707606-1           | • Nipple, Fuel Manifol .....                                                                                      | 1          |
| 15                 | PAOZZ              | 96124       | AS113-68-135       | • O-Ring .....                                                                                                    | 1          |
| 16                 | PAOOO              | 96124       | 707602-3           | • Housing Assembly, Ma .....                                                                                      | 1          |
| 17                 | PAOZZ              | 80205       | NAS1394-4L         | • Insert, Screw Thread .....                                                                                      | 8          |
| 18                 | PAOZZ              | 96906       | MS21209C0815       | • Insert, Screw Thread .....                                                                                      | 6          |
| 19                 | PAOZZ              | 96906       | MS21209F1-15       | • Insert, Screw Thread .....                                                                                      | 6          |
| 20                 | XAOZZ              | 96124       | 707602-103         | • Housing .....                                                                                                   | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                   |            |



M09-1138B

Figure 569. Group 10 Valve, Fuel-Defuel  
7-117420021-5, (457-780-1 (99321))

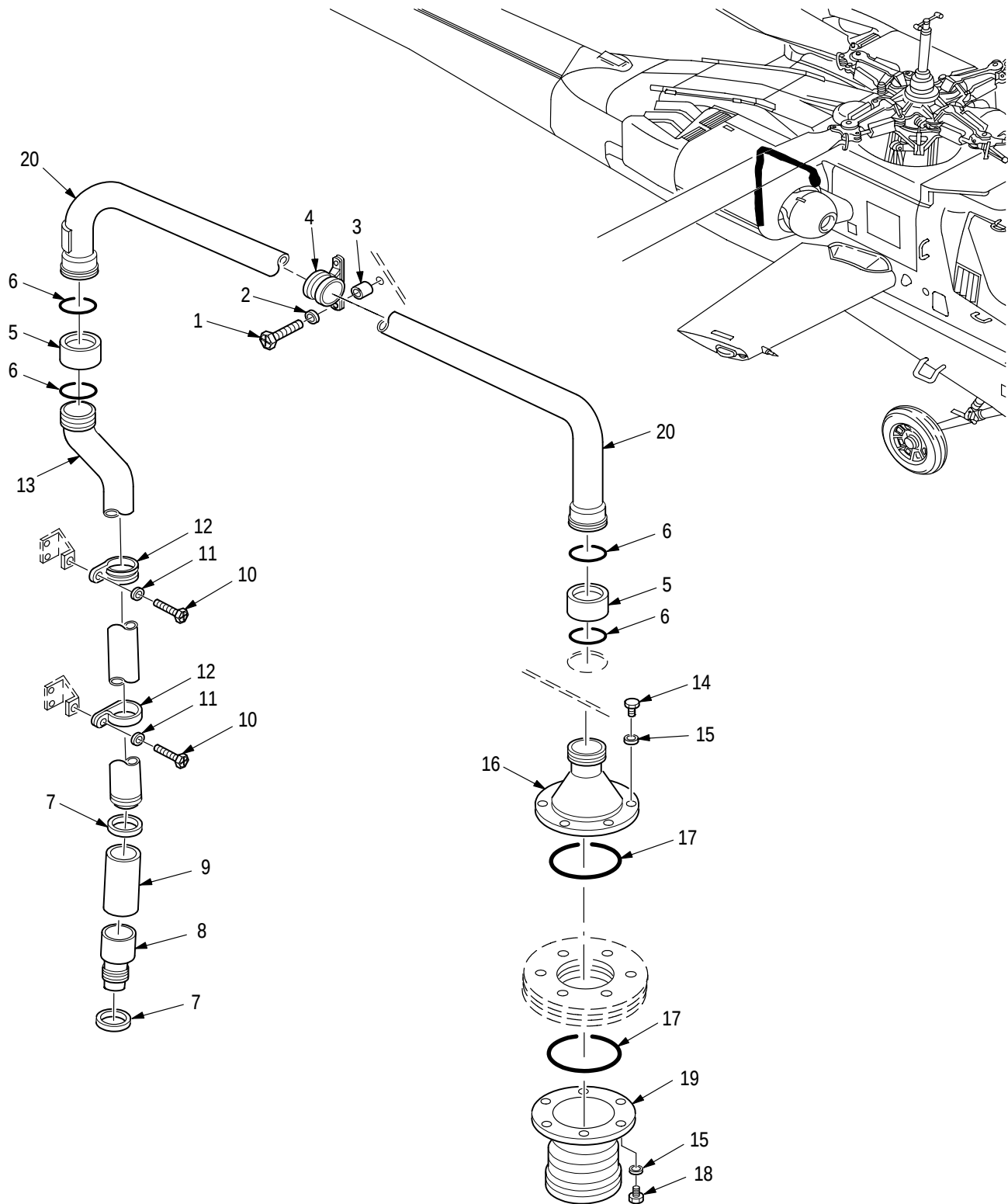
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 569 Valve, Fuel-Defuel<br>7-117420021-5, (457-780-1 (99321))<br>See Figs. 564 and 567 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS35275-231        | • Screw, Machine .....                                                                                                     | 2          |
| 2                  | PAOZZ              | 99321       | 457-788            | • Grommet, Cable .....                                                                                                     | 1          |
| 3                  | PAOZZ              | 99321       | 417-126-13 1/2     | • Chain Assembly, Fuel .....                                                                                               | 1          |
| 4                  | PAFZZ              | 96906       | MS29513-002        | • Packing, Preformed .....                                                                                                 | 1          |
| 5                  | PAOZZ              | 81349       | M25988/1-229       | • Packing, Preformed .....                                                                                                 | 1          |
| 6                  | PAFZZ              | 96906       | MS9245-25          | • Pin, Cotter .....                                                                                                        | 2          |
| 7                  | PAFZZ              | 99321       | 457-786            | • Spring, Helical, Tors .....                                                                                              | 1          |
| 8                  | PAFZZ              | 99321       | 457-783            | • Flapper, Assembly, De .....                                                                                              | 1          |
| 9                  | PAFZZ              | 99321       | 457-785            | • Flapper Support, Def .....                                                                                               | 1          |
| 10                 | PAFZZ              | 99321       | 457-787-1          | • Spring, Cable Suppor .....                                                                                               | 1          |
| 11                 | PAFZZ              | 99321       | 457-787-2          | • Spring, Cable Suppor .....                                                                                               | 1          |
| 12                 | PAFZZ              | 10001       | 1225370-4          | • Ring, Retaining .....                                                                                                    | 2          |
| 13                 | PAFZZ              | 99321       | 457-318            | • Pulley, Flat .....                                                                                                       | 1          |
| 14                 | PAFZZ              | 99321       | 457-317            | • Pulley, Defuel Syste .....                                                                                               | 1          |
| 15                 | PAFZZ              | 99321       | 457-789            | • Cable Assy, Defuel .....                                                                                                 | 1          |
| 16                 | PAFZZ              | 99321       | 417-128            | • Ring, Valve .....                                                                                                        | 1          |
| 17                 | PAFZZ              | 96906       | MS51844-60         | • Swaging Sleeve, Wire .....                                                                                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                            |            |



M09-405G

Figure 570. Group 10 Fuel Vent System (Forward Cell)  
7-311642050

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 570 Fuel Vent System (Forward Cell)<br>7-311642050 |            |
| 1                  | PAOZZ              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex . . . . .                                               | 2          |
| 2                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat . . . . .                                                        | 6          |
| 3                  | PAOZZ              | 80205       | NAS6703U17         | • Bolt, Shear . . . . .                                                         | 1          |
| 4                  | PAOZZ              | 88044       | AN742D10           | • Clamp, Loop . . . . .                                                         | 2          |
| 5                  | PAOZZ              | 80205       | NAS43DD3-56        | • Spacer, Sleeve . . . . .                                                      | 1          |
| 6                  | PAOZZ              | 80205       | NAS1523AA3R        | • Packing With Retain . . . . .                                                 | 1          |
| 7                  | PAOZZ              | 96906       | MS27039C-106       | • Screw, Machine . . . . .                                                      | 1          |
| 8                  | PAOZZ              | 88044       | AN742D6            | • Clamp, Loop . . . . .                                                         | 1          |
| 9                  | PAOOO              | 8V613       | 7-117420123        | • Tube, Vent, Fuel Cell . . . . .                                               | 1          |
| 10                 | PAOZZ              | 96906       | MS24665-292        | • Pin, Cotter . . . . .                                                         | 1          |
| 11                 | XDOZZ              | 8V613       | 7-117420123-9      | • Ball . . . . .                                                                | 1          |
| 12                 | XDOZZ              | 8V613       | 7-117420123-3      | • Tube Assy . . . . .                                                           | 1          |
| 13                 | XAOZZ              | 80205       | NAS1523AA9R        | • Packing With Ret . . . . .                                                    | 1          |
| 14                 | PAOZZ              | 80205       | NAS1304-1          | • Bolt, Shear . . . . .                                                         | 6          |
| 15                 | PAOZZ              | 88044       | AN960JD416         | • Washer, Flat . . . . .                                                        | 12         |
| 16                 | PAOZZ              | 80205       | NAS6704U1          | • Bolt, Shear . . . . .                                                         | 6          |
| 17                 | PAOZZ              | 96906       | MS29513-237        | • O-Ring . . . . .                                                              | 2          |
| 18                 | PAOZZ              | 8V613       | 7-311642402-3      | • Valve, Relief, Pressu . . . . .                                               | 1          |
| 19                 | PAOZZ              | 8V613       | 7-311642027-3      | • Adapter, Fuel Cell, V . . . . .                                               | 1          |
| 20                 | PAOZZ              | 80205       | NAS1403-3          | • Screw, Machine . . . . .                                                      | 2          |
| 21                 | PAOZZ              | 96906       | MS21919WDF24       | • Clamp, Loop . . . . .                                                         | 1          |
| 22                 | PAOZZ              | 02731       | HS4724-24DE        | • Coupling, Clamp, Groo . . . . .                                               | 2          |
| 23                 | PAOZZ              | 96906       | MS29513-222        | • O-Ring . . . . .                                                              | 4          |
| 24                 | PAOZZ              | 8V613       | 7-211642097-7      | • Tube Assembly, Metal . . . . .                                                | 1          |
| 25                 | PAOZZ              | 80205       | NAS1403-4          | • Screw, Machine . . . . .                                                      | 2          |
| 26                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat . . . . .                                                        | 4          |
| 27                 | PAOZZ              | 80205       | NAS43DD3-11        | • Spacer, Sleeve . . . . .                                                      | 2          |
| 28                 | PAOZZ              | 02731       | HS4181A24          | • Clamp, Loop . . . . .                                                         | 1          |
| 29                 | PAOZZ              | 80205       | NAS1403-2          | • Screw, Machine . . . . .                                                      | 2          |
| 30                 | PAOZZ              | 02731       | HS4181A24N         | • Clamp, Loop . . . . .                                                         | 2          |
| 31                 | PAOZZ              | 80205       | NAS1922-0150-1     | • Clamp, Hose . . . . .                                                         | 4          |
| 32                 | PAOZZ              | 02731       | HS4735-150-11      | • Hose, Nonmetallic . . . . .                                                   | 1          |
| 33                 | PAOZZ              | 8V613       | 7-311642102-13     | • Arrestor, Fuel Vent . . . . .                                                 | 1          |
| 34                 | PAOZZ              | 8V613       | 7-311642103        | • Tube Assembly, Metal . . . . .                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                 |            |



M09-406F

Figure 571. Group 10 Fuel Vent System (AFT Cell)  
7-311642050

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                 | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 571 Fuel Vent System (AFT Cell)<br>7-311642050 |            |
| 1                  | PAOZZ              | 80205       | NAS1096-3-18       | • Screw, Machine .....                                                      | 2          |
| 2                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                        | 2          |
| 3                  | PAOZZ              | 80205       | NAS43DD3-42        | • Spacer, Sleeve .....                                                      | 2          |
| 4                  | PAOZZ              | 02731       | HS4181A24N         | • Clamp, Loop .....                                                         | 2          |
| 5                  | PAOZZ              | 02731       | HS4724-24DE        | • Coupling, Clamp, Groo .....                                               | 2          |
| 6                  | PAOZZ              | 96906       | MS29513-222        | • O-Ring .....                                                              | 4          |
| 7                  | PAOZZ              | 80205       | NAS1922-0150-1     | • Clamp, Hose .....                                                         | 2          |
| 8                  | PAOZZ              | 8V613       | 7-211642029        | • Arrestor, Fuel Vent .....                                                 | 1          |
| 9                  | PAOZZ              | 8V613       | 7-211642028        | • Hose, Fuel Vent Syst .....                                                | 1          |
| 10                 | PAOZZ              | 80205       | NAS1096-3-10       | • Screw, Machine .....                                                      | 2          |
| 11                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat .....                                                        | 2          |
| 12                 | PAOZZ              | 96906       | MS21919WDF24       | • Clamp, Loop .....                                                         | 1          |
| 13                 | PAOZZ              | 8V613       | 7-311642508        | • Tube Assembly, Metal .....                                                | 1          |
| 14                 | PAOZZ              | 80205       | NAS1304-1          | • Bolt, Shear .....                                                         | 6          |
| 15                 | PAOZZ              | 88044       | AN960JD416         | • Washer, Flat .....                                                        | 12         |
| 16                 | PAOZZ              | 8V613       | 7-311642027-5      | • Adapter, Fuel Cell, V .....                                               | 1          |
| 17                 | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....                                                              | 2          |
| 18                 | PAOZZ              | 80205       | NAS6704U1          | • Bolt, Shear .....                                                         | 6          |
| 19                 | PAOZZ              | 8V613       | 7-311642402-5      | • Valve, Relief, Pressu .....                                               | 1          |
| 20                 | PAOZZ              | 8V613       | 7-311642507        | • Tube Assembly, Metal .....                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                             |            |



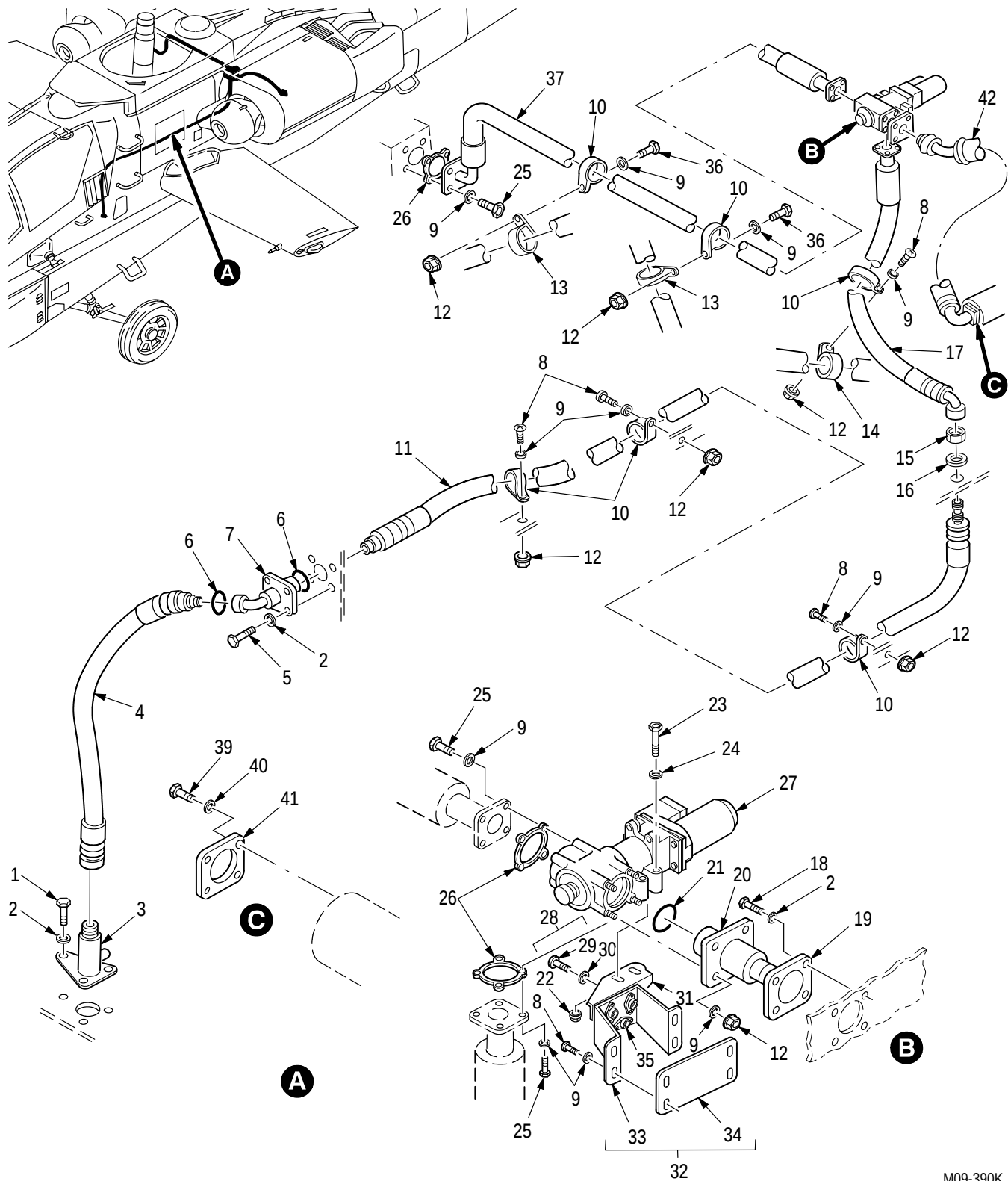
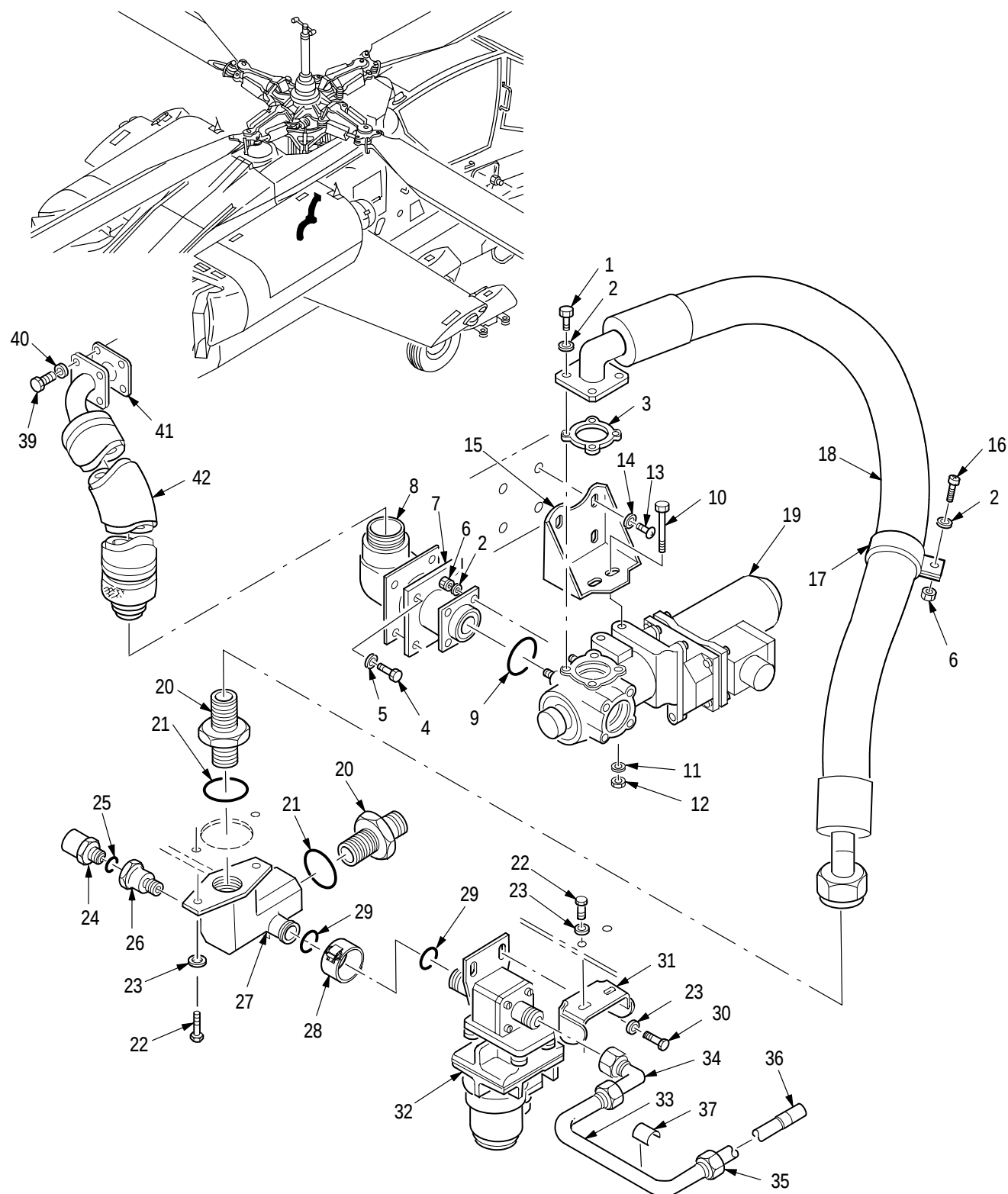


Figure 572. Group 10 Engine Fuel Supply Installation (FS 172 to FS 222)  
7-311642070

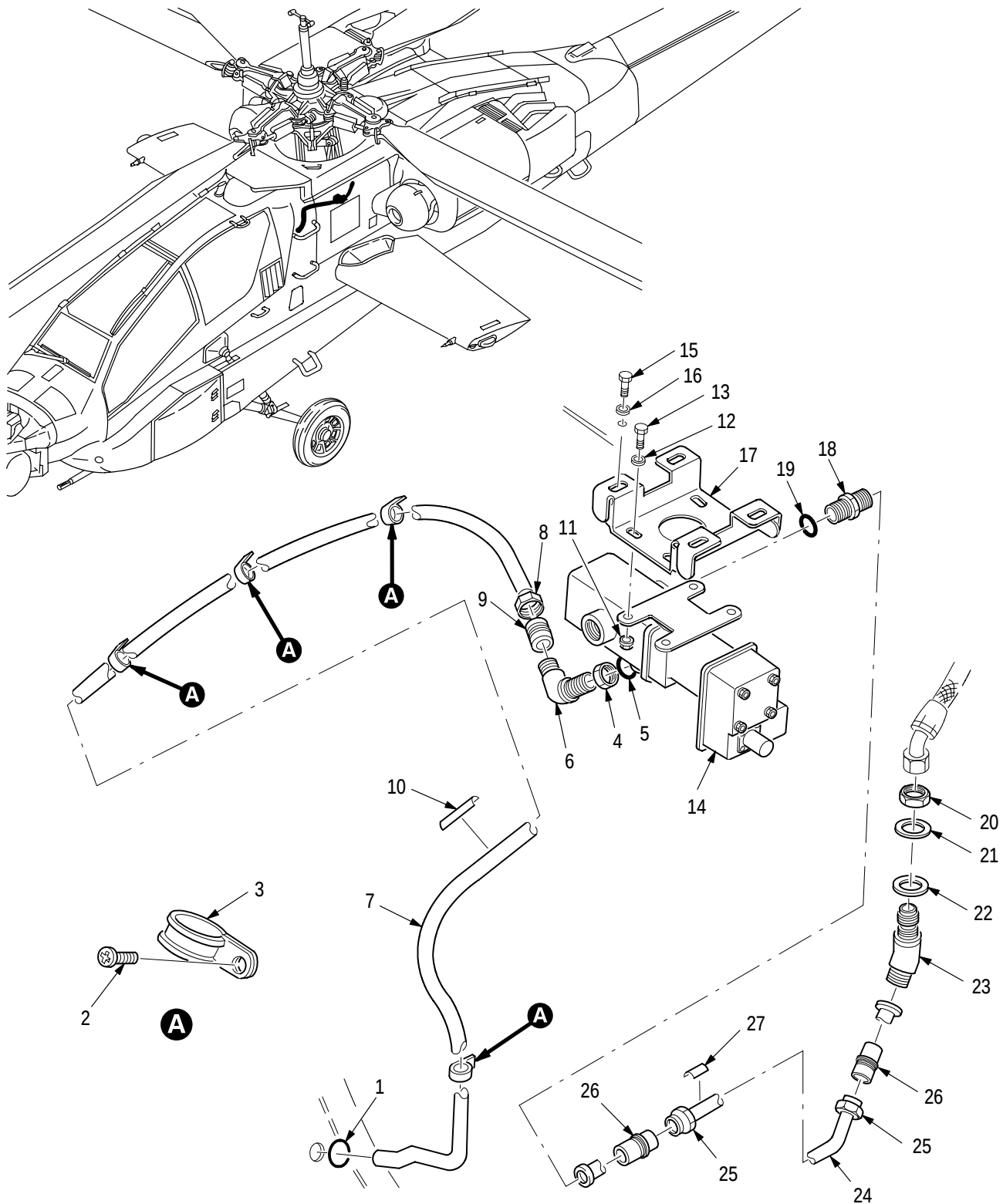
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 572 Engine Fuel Supply Installation<br>(FS 172 to FS 222)<br>7-311642070 |            |
| 1                  | PAOZZ              | 80205       | NAS6704U2          | • Bolt, Shear .....                                                                                   | 3          |
| 2                  | PAOZZ              | 88044       | NAS1149D0416L      | • Washer, Flat .....                                                                                  | 28         |
| 3                  | PAOZZ              | 8V613       | 7-211642032        | • Valve, Relief, Pressu .....                                                                         | 1          |
| 4                  | PAOZZ              | 8V613       | 7-311642021        | • Hose Assembly, Nonme .....                                                                          | 1          |
| 5                  | PAOZZ              | 80205       | NAS6604-1          | • Bolt, Shear .....                                                                                   | 14         |
| 6                  | PAOZZ              | 96906       | MS29513-226        | • O-Ring .....                                                                                        | 1          |
| 7                  | PAOZZ              | 8V613       | 7-211642042-3      | • Coupling Half, Self- .....                                                                          | 1          |
| 8                  | PAOZZ              | 80205       | NAS7703-4          | • Screw, Machine .....                                                                                | 9          |
| 9                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                  | 40         |
| 10                 | PAOZZ              | 96906       | MS21919WDF26       | • Clamp, Loop .....                                                                                   | 6          |
| 11                 | PAOZZ              | 8V613       | 7-211642034        | • Hose Assembly, Nonme .....                                                                          | 1          |
| 12                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                         | 10         |
| 13                 | PAOZZ              | 96906       | MS21919WDF24       | • Clamp, Loop .....                                                                                   | 2          |
| 14                 | PAOZZ              | 96906       | MS21919WDF25       | • Clamp, Loop .....                                                                                   | 4          |
| 15                 | PAOZZ              | 88044       | AN924-12D          | • Nut, Plain, Hexagon .....                                                                           | 1          |
| 16                 | PAOZZ              | 88044       | NAS1149D0963J      | • Washer, Flat .....                                                                                  | 1          |
| 17                 | PAOZZ              | 8V613       | 7-211642023-7      | • Hose Assembly, Nonme .....                                                                          | 1          |
| 18                 | PAOZZ              | 80205       | NAS6604-4          | • Bolt, Shear .....                                                                                   | 3          |
| 19                 | MFFZZ              | 8V613       | 7-117420064        | • Gasket .....                                                                                        | 1          |
| 20                 | PAOZZ              | 8V613       | 7-211642041-3      | • Valve, Fuel Subsyse .....                                                                           | 1          |
| 21                 | PAOZZ              | 96906       | MS29513-125        | • O-Ring .....                                                                                        | 1          |
| 22                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....                                                                         | 2          |
| 23                 | PAOZZ              | 80205       | NAS6604-19         | • Bolt, Shear .....                                                                                   | 4          |
| 24                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....                                                                                  | 4          |
| 25                 | PAOZZ              | 80205       | NAS6603-5          | • Bolt, Shear .....                                                                                   | 12         |
| 26                 | PAOZZ              | 96906       | MS27194-12-16      | • Gasket .....                                                                                        | 4          |
| 27                 | PAODD              | 8V613       | 7-311642045        | • Actuator, Electro-Me .....                                                                          | 1          |
| 27                 | PAODD              | 8V613       | 7-311642045-3      | • Valve Assembly<br>A/C With MWO 1-1520-238-50-40 Incorporated .....                                  | 1          |
| 28                 | PAOFF              | 8V613       | 7-211642051        | • Support Assy, Valve .....                                                                           | 1          |
| 29                 | PAFZZ              | 80205       | NAS1403-3          | • Screw, Machine .....                                                                                | 3          |
| 30                 | PAFZZ              | 02731       | HS306-323H         | • Washer, Flat .....                                                                                  | 3          |
| 31                 | XDFZZ              | 8V613       | 7-211642094        | • Angle-Valve Sprt LH .....                                                                           | 1          |
| 32                 | XAFFZ              | 8V613       | 7-211642093        | • Bracket Assy, Valve .....                                                                           | 1          |
| 33                 | XDFZZ              | 8V613       | 7-211642093-3      | • Bracket .....                                                                                       | 1          |
| 34                 | XDFZZ              | 8V613       | 7-211642093-5      | • Base .....                                                                                          | 1          |
| 35                 | PAFZZ              | 80205       | MS21075L3E         | • Nut, Self-Locking, Pl .....                                                                         | 3          |
| 36                 | PAOZZ              | 80205       | NAS6603-3          | • Bolt, Shear .....                                                                                   | 2          |
| 37                 | PAOZZ              | 8V613       | 7-211642039        | • Hose Assembly, Nonme .....                                                                          | 1          |
| 38                 | XCOOO              | 8V613       | 7-311642040-3      | System Instl, Eng LH (Not Illustrated-Installation Drawing)                                           | 1          |
| 39                 | PAOZZ              | 80205       | NAS1096-3-17       | • Screw, Machine .....                                                                                | 4          |
| 40                 | PAOZZ              | 88044       | AN960D10           | • Washer, Flat .....                                                                                  | 4          |
| 41                 | PAOZZ              | 96906       | MS27194-12         | • Gasket .....                                                                                        | 1          |
| 42                 | PAOZZ              | 8V613       | 7-311642038-3      | • Hose Assembly, Nonme .....                                                                          | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                       |            |



M09-391F

Figure 573. Group 10 Engine Fuel Supply Installation (FS 222 to FS 225)  
7-311642070

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 573 Engine Fuel Supply Installation<br>(FS 222 to FS 225)<br>7-311642070 |            |
| 1                  | PAOZZ              | 80205       | NAS6603-5          | • Bolt, Shear .....                                                                                   | 4          |
| 2                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                  | 40         |
| 3                  | PAOZZ              | 96906       | MS27194-12-16      | • Gasket .....                                                                                        | 4          |
| 4                  | PAOZZ              | 80205       | NAS6604-5          | • Bolt, Machine .....                                                                                 | 4          |
| 5                  | PAOZZ              | 88044       | NAS1149D0416L      | • Washer, Flat .....                                                                                  | 28         |
| 6                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                         | 5          |
| 7                  | MFFZZ              | 8V613       | 7-117420064        | • Gasket .....                                                                                        | 1          |
| 8                  | PAOZZ              | 8V613       | 7-211642044-3      | • Valve, Breakaway .....                                                                              | 1          |
| 9                  | PAOZZ              | 96906       | MS29513-125        | • O-Ring .....                                                                                        | 1          |
| 10                 | PAOZZ              | 80205       | NAS6604-19         | • Bolt, Shear .....                                                                                   | 4          |
| 11                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....                                                                                  | 2          |
| 12                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....                                                                         | 6          |
| 13                 | PAOZZ              | 02731       | HS4179-3-4         | • Screw, Machine .....                                                                                | 4          |
| 14                 | PAOZZ              | 02731       | HS306-323H         | • Washer, Flat .....                                                                                  | 4          |
| 15                 | PAOZZ              | 8V613       | 7-211642095        | • Bracket, Fuel Subsys .....                                                                          | 1          |
| 16                 | PAOZZ              | 80205       | NAS7703-4          | • Screw, Machine .....                                                                                | 1          |
| 17                 | PAOZZ              | 96906       | MS21919WDF26       | • Clamp, Loop .....                                                                                   | 1          |
| 18                 | PAOZZ              | 8V613       | 7-211642024        | • Hose Assembly, Nonme .....                                                                          | 1          |
| 19                 | PAODD              | 8V613       | 7-311642045        | • Actuator, Electro-Me .....                                                                          | 1          |
| 19                 | PAODD              | 8V613       | 7-311642045-3      | • Valve Assembly<br>A/C With MWO 1-1520-238-50-40 Incorporated .....                                  | 1          |
| 20                 | PAOZZ              | 96906       | MS21902D12         | • Nipple, Boss .....                                                                                  | 2          |
| 21                 | PAOZZ              | 96906       | MS29512-12         | • O-Ring .....                                                                                        | 2          |
| 22                 | PAOZZ              | 80205       | NAS6604-2          | • Bolt, Shear .....                                                                                   | 8          |
| 23                 | PAOZZ              | 88044       | NAS1149D0463J      | • Washer, Flat .....                                                                                  | 18         |
| 24                 | PAOZZ              | 8V613       | 7-311642074        | • Switch, Pressure .....                                                                              | 1          |
| 25                 | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....                                                                                        | 3          |
| 26                 | PAOZZ              | 8V613       | 7-311642526        | • Adapter, Straight, Tu .....                                                                         | 1          |
| 27                 | PAOZZ              | 8V613       | 7-311642047        | • Elbow, Fuel Supply .....                                                                            | 1          |
| 28                 | PAOZZ              | 02731       | HS4724-8DE         | • Coupling, Clamp, Groo .....                                                                         | 1          |
| 29                 | PAOZZ              | 96906       | MS29513-015        | • O-Ring .....                                                                                        | 2          |
| 30                 | PAOZZ              | 80205       | NAS6604-3          | • Bolt, Shear .....                                                                                   | 2          |
| 31                 | PAOZZ              | 8V613       | 7-211642061        | • Bracket, Valve .....                                                                                | 1          |
| 32                 | PAODD              | 8V613       | 7-211642059        | • Valve, Solenoid .....                                                                               | 2          |
| 33                 | MFOFF              | 8V613       | 7-311642501        | • Tube Assembly, Metal .....                                                                          | 1          |
| 34                 | PAFZZ              | 02731       | HS4519-6D          | • Elbow, Tube .....                                                                                   | 1          |
| 35                 | PAFZZ              | 96906       | MS21921-6D         | • Nut, Tube Coupling .....                                                                            | 1          |
| 36                 | PAFZZ              | 96906       | MS21922-6          | • Sleeve, Clinch, Tube .....                                                                          | 1          |
| 37                 | XDOZZ              | 02731       | HS184-41           | • Identification Tape .....                                                                           | 1          |
| 38                 | XCOOO              | 8V613       | 7-311642040-5      | System Instl, Eng RH<br>(Not Illustrated-Installation Drawing) .....                                  | 1          |
| 39                 | PAOZZ              | 80205       | NAS1096-3-17       | • Screw, Machine .....                                                                                | 4          |
| 40                 | PAOZZ              | 88044       | AN960D10           | • Washer, Flat .....                                                                                  | 4          |
| 41                 | PAOZZ              | 96906       | MS27194-12         | • Gasket .....                                                                                        | 1          |
| 42                 | PAOZZ              | 8V613       | 7-211642037        | • Hose Assembly, Nonme .....                                                                          | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                       |            |



M09-392C

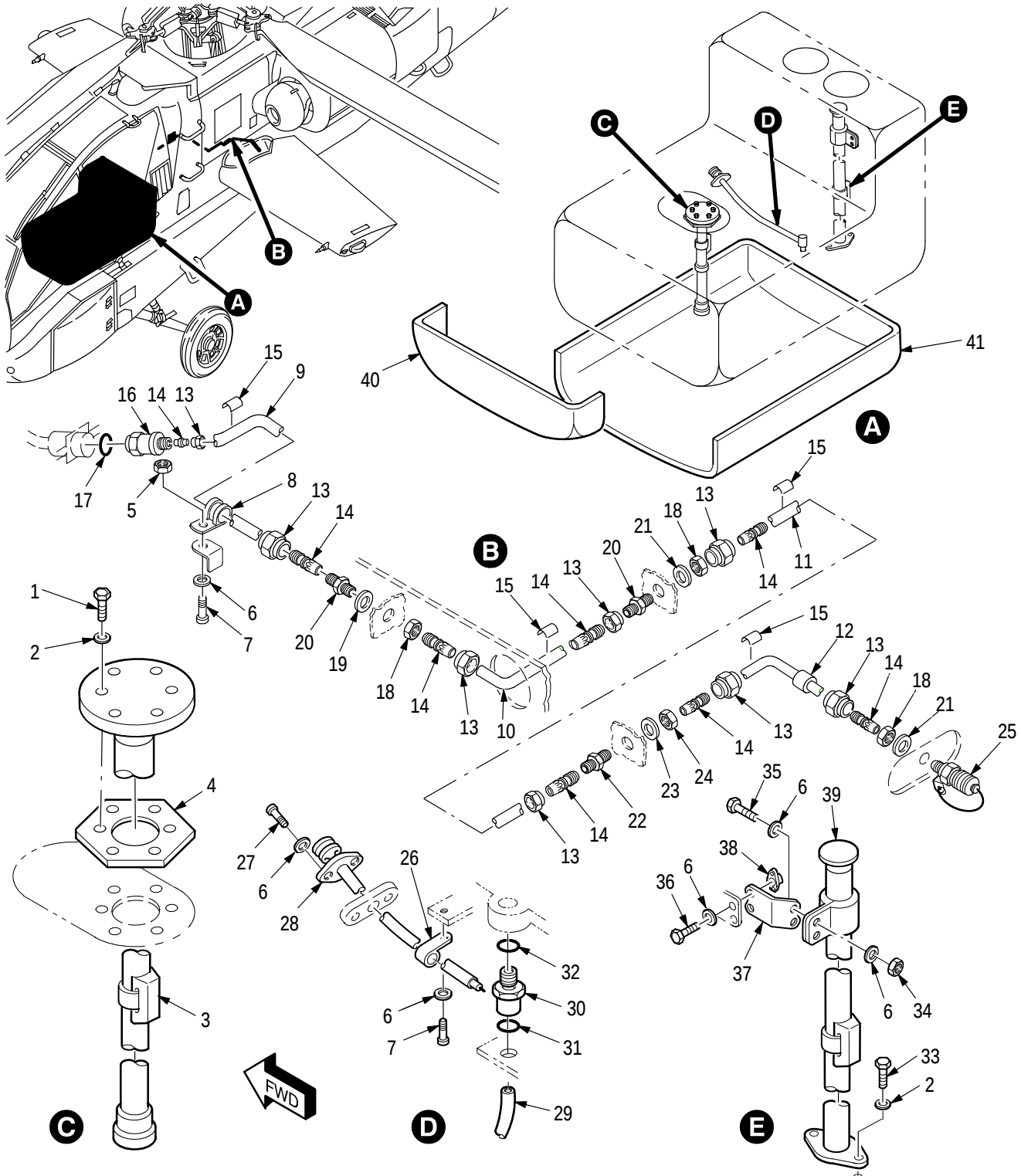
Figure 574. Group 10 Engine Fuel Supply Installation (FS 230) RH  
7-311642070

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 574 Engine Fuel Supply Installation<br>(FS 230) RH<br>7-311642070 |            |
| 1                  | PAOZZ              | 96906       | MS35489-6          | • Grommet, Nonmetallic .....                                                                   | 1          |
| 2                  | PAOZZ              | 80205       | NAS6603-1          | • Bolt, Shear .....                                                                            | 4          |
| 3                  | PAOZZ              | 96906       | MS21919WDF5        | • Clamp, Loop .....                                                                            | 4          |
| 4                  | PAOZZ              | 98897       | LS12906-184        | • Nut, Plain, Hexagon .....                                                                    | 1          |
| 5                  | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....                                                                                 | 1          |
| 6                  | PAOZZ              | 96906       | MS21907D4          | • Elbow, Tube .....                                                                            | 1          |
| 7                  | MFOFF              | 8V613       | 7-311642511        | • Tube Assy .....                                                                              | 1          |
| 8                  | PAFZZ              | 96906       | MS21921-4D         | • • Nut, Tube Coupling .....                                                                   | 2          |
| 9                  | PAFZZ              | 96906       | MS21922-4          | • • Sleeve, Clinch, Tube .....                                                                 | 1          |
| 10                 | XDOZZ              | 02731       | HS4367-2           | • • Plate, Identificatio .....                                                                 | 1          |
| 11                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                  | 4          |
| 12                 | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                           | 40         |
| 13                 | PAOZZ              | 80205       | NAS6603-4          | • Bolt, Shear .....                                                                            | 4          |
| 14                 | PAODD              | 8V613       | 7-211642062-7      | • Pump, Fuel Booster, A .....                                                                  | 1          |
| 15                 | PAOZZ              | 80205       | NAS6604-2          | • Bolt, Shear .....                                                                            | 8          |
| 16                 | PAOZZ              | 88044       | NAS1149D0463J      | • Washer, Flat .....                                                                           | 18         |
| 17                 | PAOZZ              | 8V613       | 7-211642063        | • Bracket, Pump .....                                                                          | 1          |
| 18                 | PAOZZ              | 96906       | MS21902D6          | • Nipple, Boss .....                                                                           | 1          |
| 19                 | PAOZZ              | 96906       | MS29512-06         | • O-Ring .....                                                                                 | 1          |
| 20                 | PAOZZ              | 81343       | AS5178J06          | • Nut, Fitting, Bulkhea .....                                                                  | 1          |
| 21                 | PAOZZ              | 80205       | NAS1523AA9F        | • Packing With Retain .....                                                                    | 1          |
| 22                 | PAOZZ              | 88044       | NAS1149D1790J      | • Washer, Flat .....                                                                           | V          |
| 23                 | PAOZZ              | 96906       | MS21907J6          | • Elbow, Tube .....                                                                            | 1          |
| 24                 | MFOFF              | 8V613       | 7-311642502        | • Tube Assembly, Metal .....                                                                   | 1          |
| 25                 | PAFZZ              | 96906       | MS21921-6D         | • • Nut, Tube Coupling .....                                                                   | 2          |
| 26                 | PAFZZ              | 96906       | MS21922-6          | • • Sleeve, Clinch, Tube .....                                                                 | 2          |
| 27                 | XDOZZ              | 02731       | HS4367-2           | • • Plate, Identificatio .....                                                                 | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 575 Engine Fuel Supply Installation<br>(FS 230 to FS 280)<br>7-311642070 |            |
| 1                  | PAOZZ              | 80205       | NAS7703-4          | • Screw, Close Toleran .....                                                                          | 9          |
| 2                  | XDOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                  | 40         |
| 3                  | PAOZZ              | 96906       | MS21919WDF26       | • Clamp, Loop .....                                                                                   | 1          |
| 4                  | MOOZZ              | 96906       | MS21266-1T         | • Grommet, Nonmetallic .....                                                                          | 1          |
| 5                  | MOOZZ              | 96906       | MS21266-2T         | • Grommet, Nonmetallic .....                                                                          | 1          |
| 6                  | PAOZZ              | 8V613       | 7-211642022        | • Hose Assembly, Nonme .....                                                                          | 1          |
| 7                  | PAOZZ              | 80205       | NAS6604-1          | • Bolt, Shear .....                                                                                   | 14         |
| 8                  | PAOZZ              | 88044       | NAS1149D0416L      | • Washer, Flat .....                                                                                  | 28         |
| 9                  | PAOZZ              | 02731       | 7-211642043-3      | • Valve, Breakaway, Fu .....                                                                          | 1          |
| 10                 | PAOZZ              | 96906       | MS29513-226        | • O-Ring .....                                                                                        | 1          |
| 11                 | PAOZZ              | 8V613       | 7-311642036        | • Hose Assembly, Nonme .....                                                                          | 1          |
| 12                 | PAOZZ              | 8V613       | 7-311642035        | • Hose Assembly, Nonme .....                                                                          | 1          |
| 13                 | PAOZZ              | 8V613       | 7-211642046        | • Hose Assembly, Nonme .....                                                                          | 1          |
| 14                 | PAOZZ              | 80205       | NAS6704U3          | • Bolt, Shear .....                                                                                   | 3          |
| 15                 | PAOZZ              | 8V613       | 7-211642033        | • Valve, Check .....                                                                                  | 1          |
| 16                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                  | 18         |
| 17                 | PAOZZ              | 96906       | MS21902D8          | • Nipple, Boss .....                                                                                  | 1          |
| 18                 | PAOZZ              | 96906       | MS29512-08         | • O-Ring .....                                                                                        | 1          |
| 19                 | PAOZZ              | 66295       | AN737TW26-34WWD    | • Clamp, Hose .....                                                                                   | 2          |
| 20                 | PAOZZ              | 8V613       | 7-117420078        | • Hose, Nonmetallic .....                                                                             | 1          |
| 21                 | PAOZZ              | 96906       | MS35489-7          | • Grommet, Nonmetallic .....                                                                          | 1          |
| 22                 | MFOFF              | 8V613       | 7-311642505        | • Tube Assembly, Metal .....                                                                          | 1          |
| 23                 | PAFZZ              | 96906       | MS21921-4D         | • • Nut, Tube Coupling .....                                                                          | 1          |
| 24                 | PAFZZ              | 96906       | MS21922-4          | • • Sleeve, Clinch, Tube .....                                                                        | 1          |
| 25                 | XDOZZ              | 02731       | HS4367-2           | • • Plate, Identificatio .....                                                                        | 1          |
| 26                 | PAOZZ              | 96906       | MS21902D4          | • Nipple, Boss .....                                                                                  | 1          |
| 27                 | PAOZZ              | 96906       | MS29512-04         | • O-Ring .....                                                                                        | 1          |
| 28                 | AOOOO              | 8V613       | 7-211642078-11     | • Pump, Fuel Booster, E .....                                                                         | 1          |
| 29                 | XCOOO              | 58163       | 15321              | • • Pump, Fuel Bstr Assy .....                                                                        | 1          |
| 30                 | PAOZZ              | 58163       | 15402              | • • • Fitting, Inlet Scree .....                                                                      | 1          |
| 31                 | PAOZZ              | 81349       | M83248/1-908       | • • • O-Ring .....                                                                                    | 1          |
| 32                 | PAOZZ              | 81349       | M83248/1-018       | • • • O-Ring .....                                                                                    | 1          |
| 33                 | PAOZZ              | 81349       | M83248/1-034       | • • • O-Ring .....                                                                                    | 1          |
| 34                 | PAOZZ              | 96906       | MS16995-17         | • • • Screw, Cap, Socket He .....                                                                     | 6          |
| 35                 | PAOZZ              | 80205       | NAS1352C06-10      | • • • Screw, Cap, Socket He .....                                                                     | 6          |
| 36                 | PAODD              | 58163       | 15322              | • • • Pump, Fuel, Metering .....                                                                      | 1          |
| 37                 | PAOZZ              | 81349       | M83248/1-032       | • • • O-Ring .....                                                                                    | 1          |
| 38                 | PAODD              | 58163       | 15384              | • • • Motor Assembly, Pump .....                                                                      | 1          |
| 39                 | PAODD              | 58163       | 15369              | • • • Canister Assembly, P .....                                                                      | 1          |
| 40                 | XDOZZ              | 58163       | 14877              | • • • • Valve Assembly, Ther .....                                                                    | 1          |
| 41                 | PAOZZ              | 96906       | MS29513-237        | • O-Ring .....                                                                                        | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                       |            |

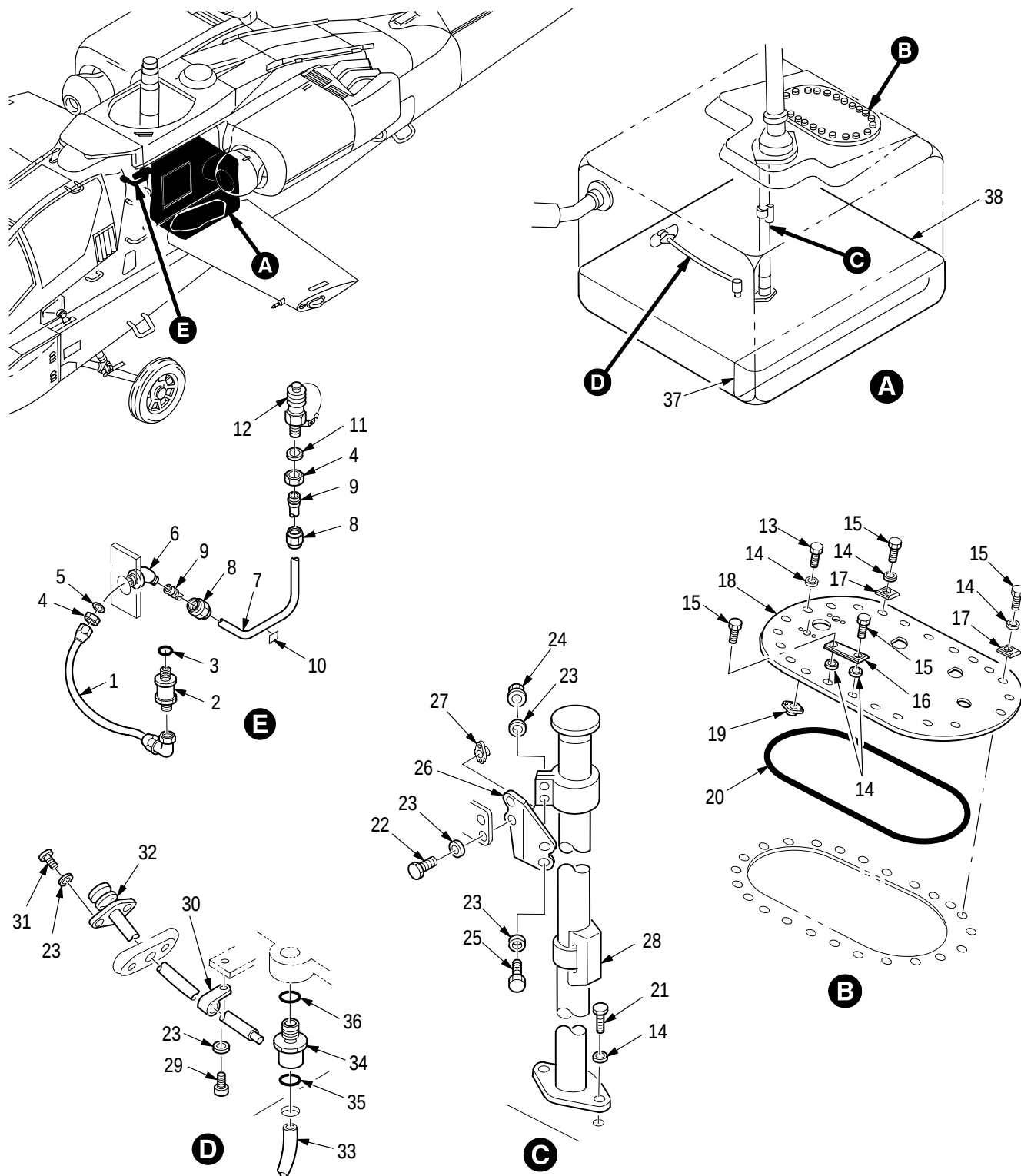




M09-400D

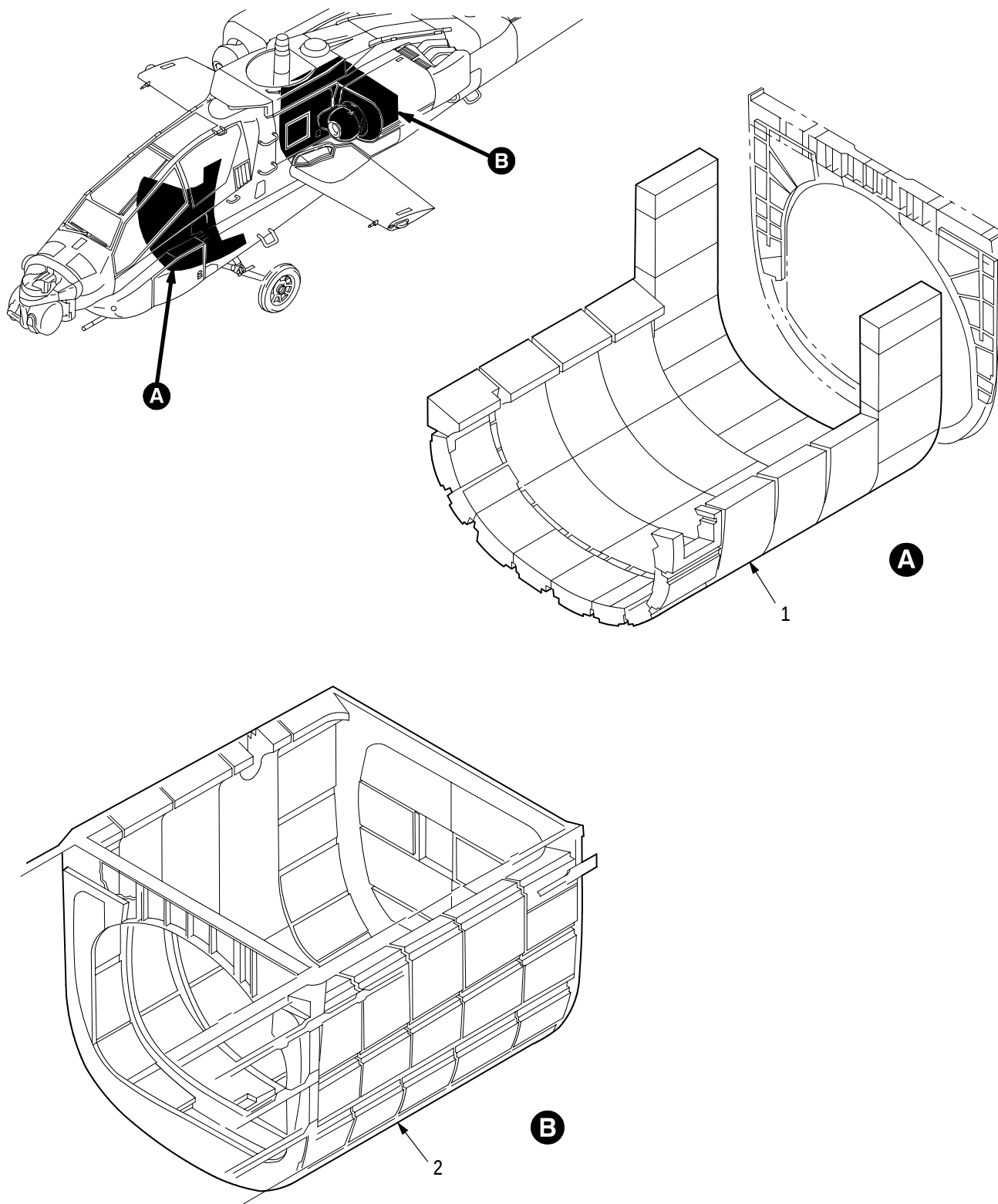
Figure 576. Group 10 Fuel Subsystem Installation (Forward Fuel Cell)  
7-311642100

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 576 Fuel Subsystem Installation<br>(Forward Fuel Cell)<br>7-311642100 |            |
| 1                  | PAOZZ              | 80205       | NAS6604-5          | • Bolt, Machine .....                                                                              | 6          |
| 2                  | PAOZZ              | 02731       | HS306-325          | • Washer, Flat .....                                                                               | 6          |
| 3                  | PAOZZ              | 8V613       | 7-211642075        | • Transmitter, Liquid .....                                                                        | 1          |
| 4                  | PAOZZ              | 96906       | MS27194-40         | • Gasket .....                                                                                     | 1          |
| 5                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                      | 1          |
| 6                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                               | 10         |
| 7                  | PAOZZ              | 80205       | NAS7703-1          | • Screw, Machine .....                                                                             | 3          |
| 8                  | XDOZZ              | 96906       | MS21919WDF8        | • Clamp, Loop .....                                                                                | 1          |
| 9                  | PAOZZ              | 8V613       | 7-311642525        | • Tube Assembly, Metal .....                                                                       | 1          |
| 10                 | PAOZZ              | 8V613       | 7-311642504        | • Tube Assembly, Metal .....                                                                       | 1          |
| 11                 | XDOZZ              | 8V613       | 7-311642522        | • Tube Assy .....                                                                                  | 1          |
| 12                 | PAOZZ              | 8V613       | 7-311642523        | • Tube Assembly, Metal .....                                                                       | 1          |
| 13                 | XDOZZ              | 96906       | MS21921-8D         | • • Nut, Tube Coupling .....                                                                       | 8          |
| 14                 | XDOZZ              | 96906       | MS21922-8          | • • Sleeve, Clinch, Tube .....                                                                     | 8          |
| 15                 | XDOZZ              | 02731       | HS4367-2           | • • Plate, Identificatio .....                                                                     | 1          |
| 16                 | PAOZZ              | 8V613       | 7-311642163        | • Valve, Check .....                                                                               | 2          |
| 17                 | PAOZZ              | 96906       | MS29512-08         | • O-Ring .....                                                                                     | 2          |
| 18                 | PAOZZ              | 81343       | AS5178D08          | • Nut, Plain, Hexagon .....                                                                        | 4          |
| 19                 | PAOZZ              | 88044       | AN960PD1216L       | • Washer, Flat .....                                                                               | 2          |
| 20                 | PAOZZ              | 96906       | MS21924D8          | • Adapter, Straight, Tu .....                                                                      | 2          |
| 21                 | PAOZZ              | 80205       | NAS1149D1290K      | • Washer, Flat .....                                                                               | 4          |
| 22                 | PAOZZ              | 96906       | MS21924J8          | • Adapter, Straight, Tu .....                                                                      | 1          |
| 23                 | PAOZZ              | 96906       | AN960C1216L        | • Washer, Flat .....                                                                               | 2          |
| 24                 | PAOZZ              | 88044       | AN924-8J           | • Nut, Plain, Hexagon .....                                                                        | 2          |
| 25                 | PAOZZ              | 8V613       | 7-311642169-5      | • Coupling, Fuel Subsy .....                                                                       | 2          |
| 26                 | PAOZZ              | 88044       | AN742D6            | • Clamp, Loop .....                                                                                | 2          |
| 27                 | PAOZZ              | 80205       | NAS7703-3          | • Screw, Close Toleran .....                                                                       | 4          |
| 28                 | PAOZZ              | 8V613       | 7-117420027        | • Control Assembly .....                                                                           | 2          |
| 29                 | PAOZZ              | 8V613       | 7-117420110        | • Hose, Nonmetallic .....                                                                          | 2          |
| 30                 | PAOOO              | 8V613       | 7-117420026        | • Cock, Poppet Drain .....                                                                         | 2          |
| 31                 | PAOZZ              | 81349       | M83248/1-009       | • • O-Ring .....                                                                                   | 2          |
| 32                 | PAOZZ              | 96906       | MS29512-06         | • O-Ring .....                                                                                     | 2          |
| 33                 | PAOZZ              | 80205       | NAS6704U2          | • Bolt, Shear .....                                                                                | 4          |
| 34                 | PAOZZ              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....                                                                      | 4          |
| 35                 | PAOZZ              | 80205       | NAS6703U4          | • Bolt, Shear .....                                                                                | 2          |
| 36                 | PAOZZ              | 81205       | BACB30LM3U3        | • Bolt, Shear .....                                                                                | 4          |
| 37                 | PAOOO              | 8V613       | 7-211642016        | • Bracket, Fuel Subsys .....                                                                       | 1          |
| 38                 | PAOZZ              | 96906       | MS21076-3          | • • Nut, Self-Locking, Pl .....                                                                    | 2          |
| 39                 | PAOZZ              | 8V613       | 7-211642077        | • Transmitter, Liquid .....                                                                        | 1          |
| 40                 | PAOZZ              | 8V613       | 7-211642058-5      | • Backing, Board Fuel .....                                                                        | 1          |
| 41                 | PAOZZ              | 8V613       | 7-211642058-3      | • Backing Board, Fuel .....                                                                        | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                    |            |



M09-399F

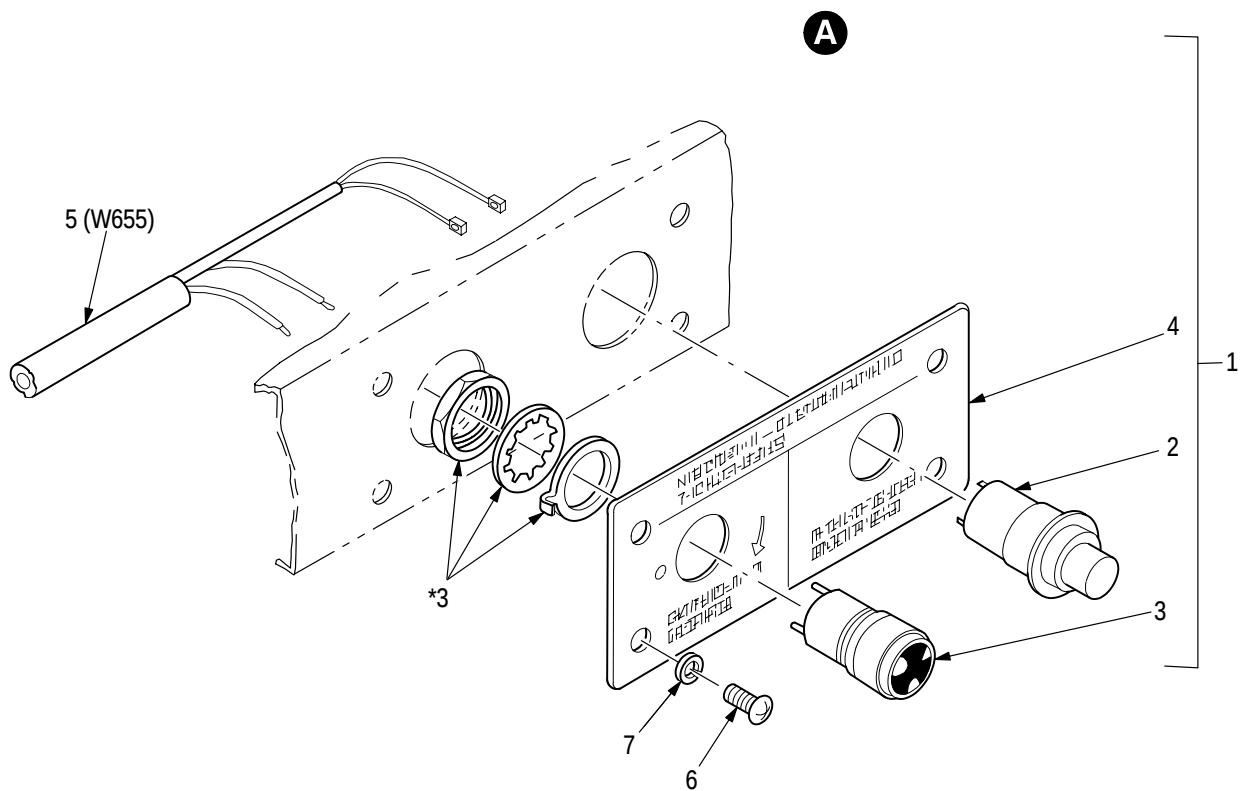
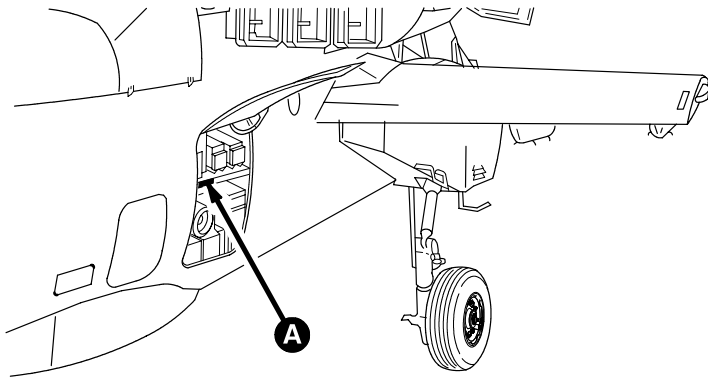
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 577 Fuel Subsystem Installation<br>(AFT Fuel Cell)<br>7-311642100 |            |
| 1                  | PAOZZ              | 8V613       | 7-311642524        | • Hose Assembly .....                                                                          | 1          |
| 2                  | PAOZZ              | 8V613       | 7-311642163        | • Valve, Check .....                                                                           | 2          |
| 3                  | PAOZZ              | 96906       | MS29512-08         | • O-Ring .....                                                                                 | 2          |
| 4                  | PAOZZ              | 88044       | AN924-8J           | • Nut, Plain, Hexagon .....                                                                    | 2          |
| 5                  | PAOZZ              | 96906       | AN960C1216L        | • Washer, Flat .....                                                                           | 2          |
| 6                  | PAOZZ              | 96906       | MS21907J8          | • Elbow, Tube .....                                                                            | 1          |
| 7                  | PAOZZ              | 8V613       | 7-311642521        | • Tube Assembly, Metal .....                                                                   | 1          |
| 8                  | XDOZZ              | 96906       | MS21921-8D         | • • Nut, Tube Coupling .....                                                                   | 2          |
| 9                  | XDOZZ              | 96906       | MS21922-8          | • • Sleeve, Clinch, Tube .....                                                                 | 2          |
| 10                 | XDOZZ              | 02731       | HS4367-2           | • • Plate, Identificatio .....                                                                 | 1          |
| 11                 | PAOZZ              | 80205       | NAS1149D1290K      | • Washer, Flat .....                                                                           | 4          |
| 12                 | PAOZZ              | 8V613       | 7-311642169-5      | • Coupling, Fuel Subsy .....                                                                   | 2          |
| 13                 | PAOZZ              | 80205       | NAS6204-1          | • Bolt, Shear .....                                                                            | 20         |
| 14                 | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                           | 34         |
| 15                 | PAOZZ              | 80205       | NAS6204-4          | • Bolt, Shear .....                                                                            | 4          |
| 16                 | PAOZZ              | 8V613       | 7-311642423        | • Washer, Fuel Subsy .....                                                                     | 2          |
| 17                 | PAOZZ              | 8V613       | 7-117420117-3      | • Washer, Bevel .....                                                                          | 2          |
| 18                 | PAOOO              | 8V613       | 7-311641004        | • Cover, Fuel Cell .....                                                                       | 1          |
| 19                 | PAOZZ              | 80205       | NAS1474A4          | • • Nut, Self-Locking, Pl .....                                                                | 2          |
| 20                 | PAOZZ              | 8V613       | 7-117410006        | • O-Ring .....                                                                                 | 1          |
| 21                 | PAOZZ              | 80205       | NAS6704U2          | • Bolt, Shear .....                                                                            | 4          |
| 22                 | PAOZZ              | 81205       | BACB30LM3U3        | • Bolt, Shear .....                                                                            | 4          |
| 23                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                           | 19         |
| 24                 | PAOZZ              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....                                                                  | 4          |
| 25                 | PAOZZ              | 80205       | NAS6703U4          | • Bolt, Shear .....                                                                            | 2          |
| 26                 | PAOOO              | 8V613       | 7-211642017        | • Bracket, Fuel Subsys .....                                                                   | 1          |
| 27                 | PAOZZ              | 96906       | MS21076-3          | • • Nut, Self-Locking, Pl .....                                                                | 2          |
| 28                 | PAOZZ              | 8V613       | 7-211642076        | • Transmitter, Liquid .....                                                                    | 1          |
| 29                 | PAOZZ              | 80205       | NAS7703-1          | • Screw, Machine .....                                                                         | 3          |
| 30                 | PAOZZ              | 88044       | AN742D6            | • Clamp, Loop .....                                                                            | 2          |
| 31                 | PAOZZ              | 80205       | NAS7703-3          | • Screw, Close Toleran .....                                                                   | 4          |
| 32                 | PAOZZ              | 8V613       | 7-117420027        | • Control Assembly .....                                                                       | 2          |
| 33                 | PAOZZ              | 8V613       | 7-117420110        | • Hose, Nonmetallic .....                                                                      | 2          |
| 34                 | PAOOO              | 8V613       | 7-117420026        | • Cock, Poppet Drain .....                                                                     | 2          |
| 35                 | PAOZZ              | 81349       | M83248/1-009       | • • O-Ring .....                                                                               | 2          |
| 36                 | PAOZZ              | 96906       | MS29512-06         | • O-Ring .....                                                                                 | 2          |
| 37                 | PAOZZ              | 8V613       | 7-211642018-3      | • Backing Board .....                                                                          | 1          |
| 38                 | PAOZZ              | 8V613       | 7-211642018-5      | • Backing Board .....                                                                          | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                |            |



M09-908

Figure 578. Group 10 Rigid Foam Armor, Fuel Cell  
7-311930041 (FWD)  
7-311930051 (AFT)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------|------------|
| 1                  | MFOZZ              | 8V613       | 7-311930040A       | Group 10 Fuel System<br>Fig. 578 Rigid Foam Armor, Fuel Cell<br>7-311930041 (FWD)<br>7-311930051 (AFT)                          |            |
| 2                  | MFOZZ              | 8V613       | 7-311930050A       | • Foam, Bal, Rgd, FWD Fwd (See Appendix D, Tm<br>1-1520-238-23 for<br>Filler Void Location, Repair and Bulk Material) . . . . . | 1          |
|                    |                    |             |                    | • Foam, Bal, Rgd, AFT Aft (See Appendix D, Tm<br>1-1520-238-23 for<br>Filler Void Location, Repair and Bulk Material) . . . . . | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                 |            |



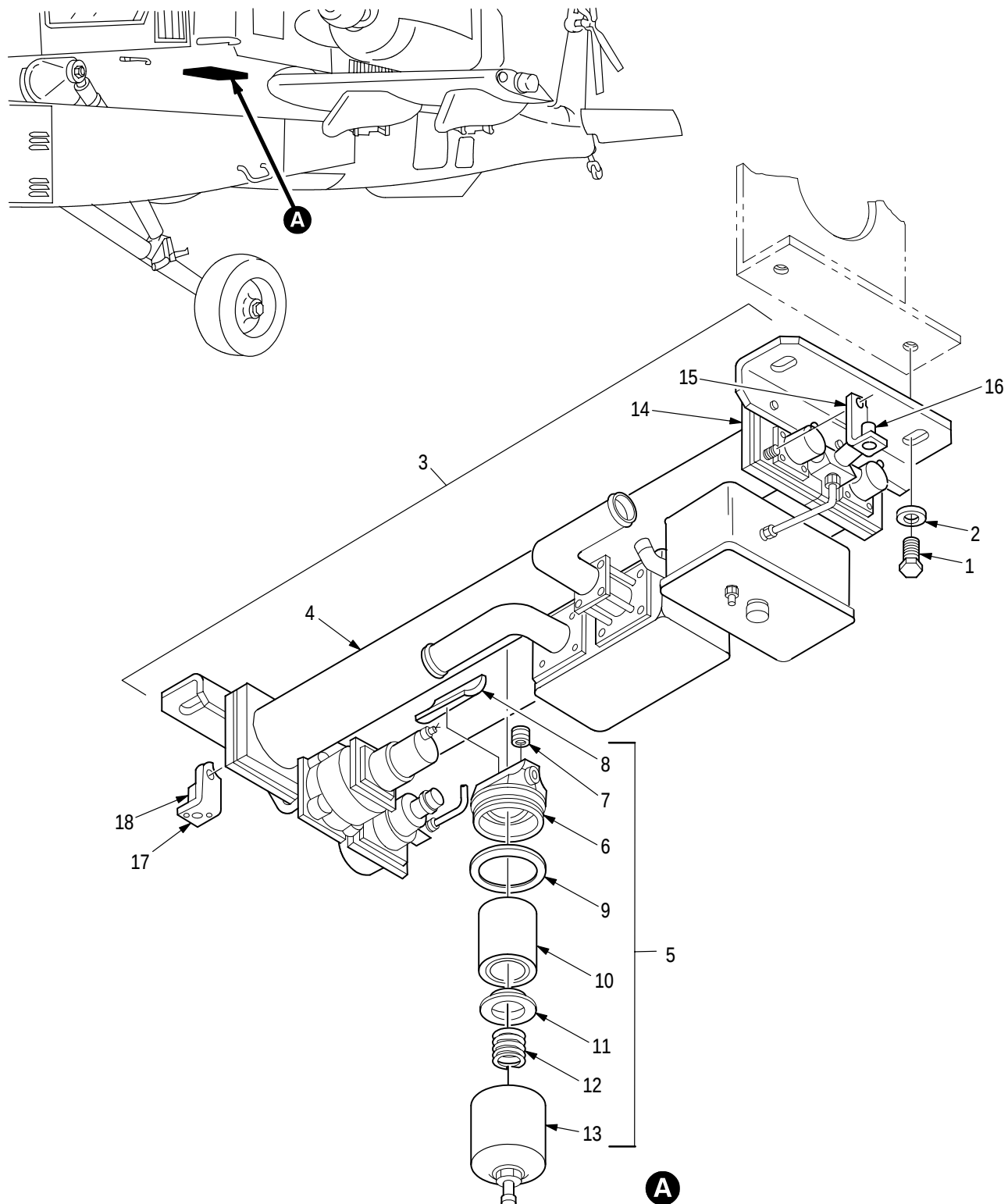
\* SUPPLIED WITH ATTACHED ITEM

M09-952C

Figure 579. Group 10 Panel Assembly, N2 Inerting

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 579 Panel Assembly, N2 Inerting |            |
| 1                  | PAOOO              | 8V613       | 7-311642315        | • Panel, Fault-Function . . . . .                            | 1          |
| 2                  | PAOZZ              | 96906       | MS25089-1G         | • • Switch, Push . . . . .                                   | 1          |
| 3                  | PAOZZ              | 81349       | M83287/01-22       | • • Indicator, Fault Loc . . . . .                           | 1          |
| 4                  | XAOZZ              | 8V613       | 7-311642316        | • • Panel Detail . . . . .                                   | 1          |
| 5                  | PAOZZ              | 8V613       | 7-311B24655-003    | • • Wiring Harness . . . . .                                 | 1          |
| 6                  | PAOZZ              | 96906       | MS51957-45         | • Screw, Machine . . . . .                                   | 4          |
| 7                  | PAOZZ              | 88044       | AN960JD8L          | • Washer, Flat . . . . .                                     | 4          |
| END OF FIGURE      |                    |             |                    |                                                              |            |

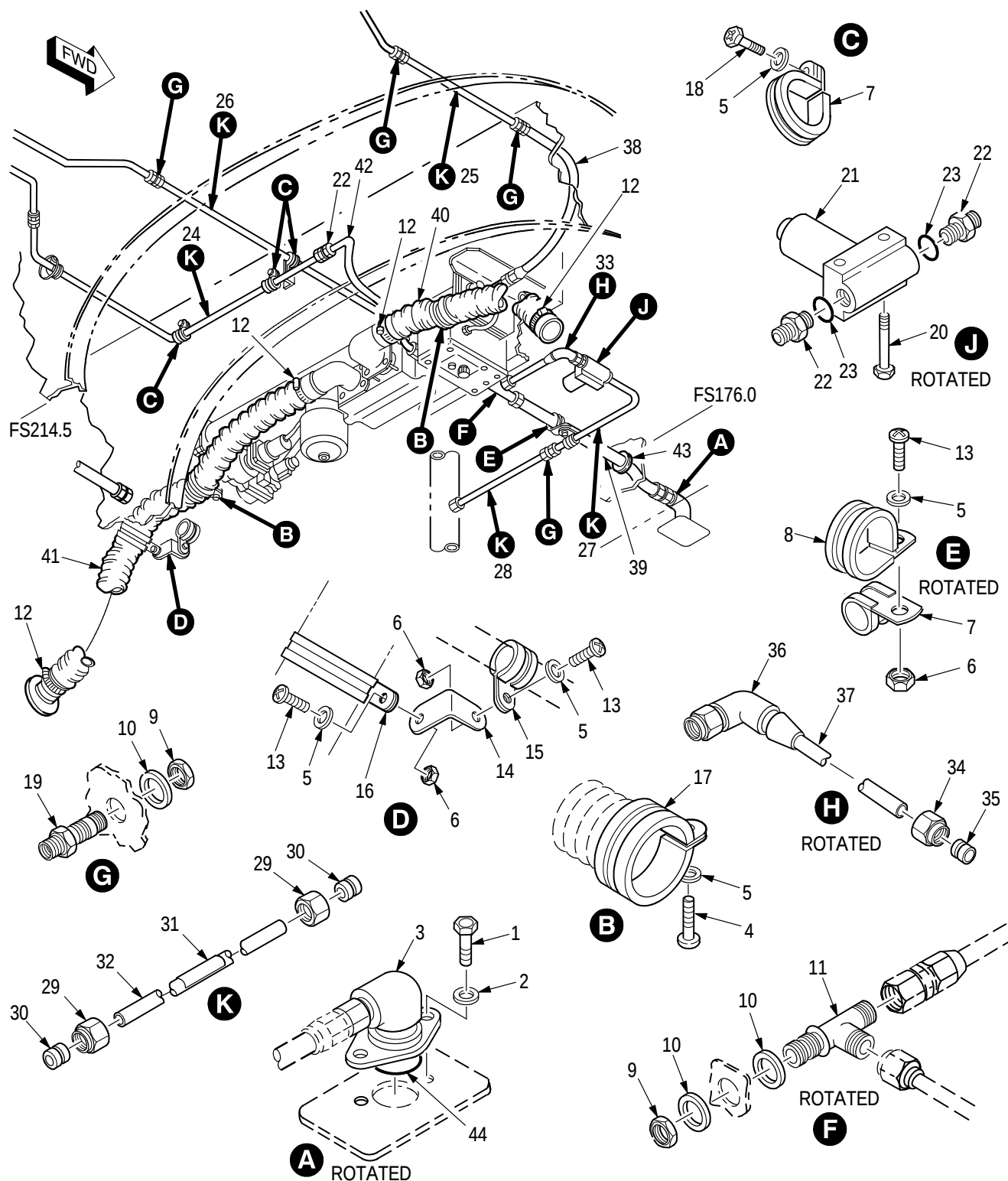




M09-953

Figure 580. Group 10 Nitrogen Inerting Unit System Installation (Part 1)  
7-311642400

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 580 Nitrogen Inerting Unit<br>System Installation (Part 1)<br>7-311642400 |            |
| 1                  | PAOZZ              | 80205       | NAS6603-4          | • Bolt, Shear .....                                                                                    | 4          |
| 2                  | XDOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                   | 22         |
| 3                  | PAODD              | 8V613       | 7-311642401        | • Nitrogen Inerting U .....                                                                            | 1          |
| 4                  | XAODD              | 99251       | 1643700-1          | •• N2 Inerting Assy .....                                                                              | 1          |
| 5                  | PAOFF              | 99251       | 1643657-1          | ••• Filter Assembly, Int .....                                                                         | 1          |
| 6                  | PBOFF              | 99251       | 1643667-1          | •••• Housing, Filter .....                                                                             | 1          |
| 7                  | XDFZZ              | 96906       | MS51830-201        | ••••• Insert, Screw Thread .....                                                                       | 2          |
| 8                  | XDOZZ              | 99251       | 1643267-1          | ••••• Pad Damping, Filter .....                                                                        | 2          |
| 9                  | PAOZZ              | 81343       | AS3582-034         | ••••• O-Ring .....                                                                                     | 1          |
| 10                 | PAOZZ              | 99251       | 1632971-1          | ••••• Filter Element, Flui .....                                                                       | 1          |
| 11                 | XDOZZ              | 99251       | 1657660-1          | ••••• Cap, Element .....                                                                               | 1          |
| 12                 | PAOZZ              | 99251       | 1632976-1          | ••••• Spring, Helical, Comp .....                                                                      | 1          |
| 13                 | PBOZZ              | 99251       | 1657650-1          | ••••• Can Assembly, Filter .....                                                                       | 1          |
| 14                 | PADDD              | 99251       | 1643680-1          | ••• Module Assembly .....                                                                              | 1          |
| 15                 | XDDDD              | 99251       | 1643731-1          | •••• Hose, Bracket Suppor .....                                                                        | 1          |
| 16                 | PADZZ              | 80205       | NAS1329H3K80L      | ••••• Nut, Self-Locking, Bl .....                                                                      | 1          |
| 17                 | XDDDD              | 99251       | 1643730-1          | ••••• Bracket, Hose Suppor .....                                                                       | 1          |
| 18                 | PAFZZ              | 80205       | NAS1329H3K80L      | ••••• Nut, Self-Locking, Bl .....                                                                      | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                        |            |



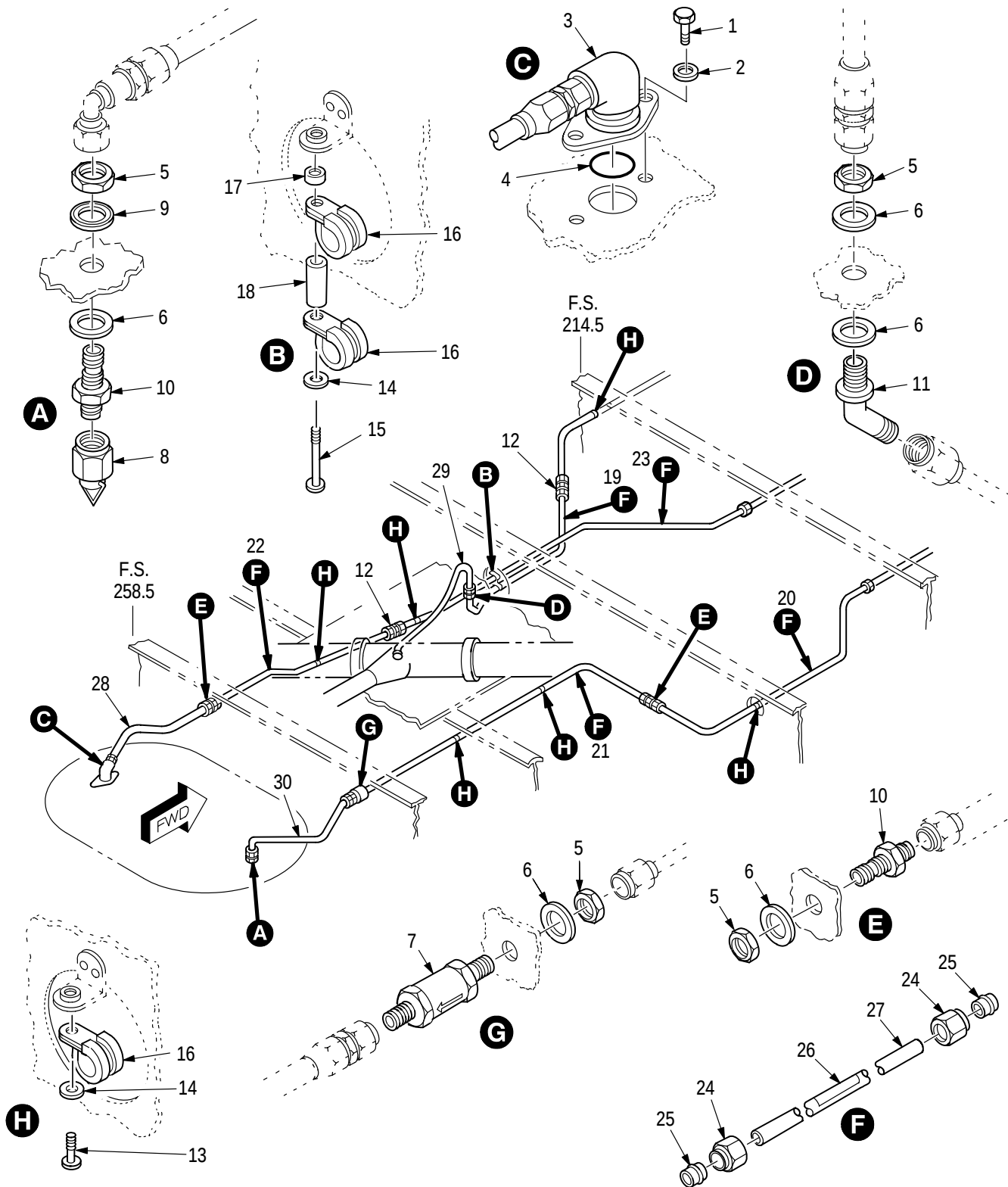
M09-954D

Figure 581. Group 10 Nitrogen Inerting Unit System Installation (Part 2)  
7-311642400

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                 | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 581 Nitrogen Inerting Unit<br>System Installation (Part 2)<br>7-311642400      |            |
| 1                  | PAOZZ              | 80205       | NAS1304-3          | • Bolt .....                                                                                                | 2          |
| 2                  | PAOZZ              | 88044       | NAS1149D0463J      | • Washer, Flat .....                                                                                        | 4          |
| 3                  | PAOZZ              | 8V613       | 7-311642403-3      | • Valve, Breakaway .....                                                                                    | 1          |
| 4                  | PAOZZ              | 80205       | NAS6603-13         | • Screw, Machine .....                                                                                      | 2          |
| 5                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                        | 22         |
| 6                  | PAOZZ              | 96906       | MS21044N3          | • Nut, Self-Locking, He .....                                                                               | 3          |
| 7                  | PAOZZ              | 96906       | MS21919WDF6        | • Clamp, Loop .....                                                                                         | 12         |
| 8                  | PAOZZ              | 96906       | MS21919WDF9        | • Clamp, Loop .....                                                                                         | 1          |
| 9                  | PAOZZ              | 81343       | AS5178D06          | • Nut, Plain, Hexagon .....                                                                                 | 5          |
| 10                 | PAOZZ              | 88044       | NAS1149D0963J      | • Washer, Flat .....                                                                                        | 6          |
| 11                 | PAOZZ              | 96906       | MS21912D6          | • Tee, Tube .....                                                                                           | 1          |
| 12                 | PAOZZ              | 80205       | NAS1922-150-1      | • Clamp, Hose .....                                                                                         | 4          |
| 13                 | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....                                                                                      | 3          |
| 14                 | PAOZZ              | 88044       | AN743-12           | • Bracket, Angle .....                                                                                      | 1          |
| 15                 | PAOZZ              | 96906       | MS21919WDG8        | • Clamp, Loop .....                                                                                         | 1          |
| 16                 | PAOZZ              | 96906       | MS21919WDG26       | • Clamp, Loop .....                                                                                         | 1          |
| 17                 | PAOZZ              | 80205       | NAS1713D26N        | • Clamp, Loop .....                                                                                         | 1          |
| 18                 | PAOZZ              | 80205       | NAS1403-1          | • Screw, Machine .....                                                                                      | 4          |
| 19                 | PAOZZ              | 96906       | MS21924D6          | • Adapter, Straight, Tu .....                                                                               | 4          |
| 20                 | PAOZZ              | 80205       | NAS623-3-22        | • Screw, Machine .....                                                                                      | 2          |
| 21                 | PAOZZ              | 8V613       | 7-311642425        | • Valve, Solenoid .....                                                                                     | 1          |
| 22                 | PAOZZ              | 96906       | MS21902D6          | • Nipple, Boss .....                                                                                        | 4          |
| 23                 | PAOZZ              | 96906       | MS29512-06         | • O-Ring .....                                                                                              | 2          |
| 24                 | MFOFF              | 8V613       | 7-311642412        | • Tube Assy .....                                                                                           | 1          |
| 25                 | MFOFF              | 8V613       | 7-311642415        | • Tube Assy .....                                                                                           | 1          |
| 26                 | MFOFF              | 8V613       | 7-311642420        | • Tube Assy .....                                                                                           | 1          |
| 27                 | MFOFF              | 8V613       | 7-311642424        | • Tube Assy .....                                                                                           | 1          |
| 28                 | MFOFF              | 8V613       | 7-311642426-9      | • Tube Assy .....                                                                                           | 1          |
| 29                 | PAFZZ              | 96906       | MS21921-6D         | • Nut, Tube Coupling .....                                                                                  | 2          |
| 30                 | PAFZZ              | 96906       | MS21922-6          | • Sleeve, Clinch, Tube .....                                                                                | 2          |
| 31                 | XDOZZ              | 02731       | HS4367-2           | • Plate, Identificatio (U/O P/N 7-311642412,<br>P/N 7-311642415, P/N 7-311642420,<br>P/N 7-311642424) ..... | 1          |
| 31                 | XDOZZ              | 02731       | HS4367-2           | • Plate, Identificatio (U/O P/N 7-311642426-9) .....                                                        | 1          |
| 32                 | MFFZZ              | 8V613       | 7-311642412-3      | • Tube (U/W P/N 7-311642412 Tube) .....                                                                     | 1          |
| 32                 | MFFZZ              | 8V613       | 7-311642420-3      | • Tube (U/W P/N 7-311642420 Tube) .....                                                                     | 1          |
| 32                 | MFFZZ              | 8V613       | 7-311642424-3      | • Tube (U/W P/N 7-311642424 Tube) .....                                                                     | 1          |
| 32                 | MFFZZ              | 8V613       | 7-311642426-11     | • Tube (U/W P/N 7-311642426-9 Tube) .....                                                                   | 1          |
| 33                 | MFOFF              | 8V613       | 7-311642422        | • Tube Assy .....                                                                                           | 1          |
| 34                 | PAFZZ              | 96906       | MS21921-6D         | • Nut, Tube Coupling .....                                                                                  | 1          |
| 35                 | PAFZZ              | 96906       | MS21922-6          | • Sleeve, Clinch, Tube .....                                                                                | 1          |
| 36                 | PAFZZ              | 02731       | HS4519-6D          | • Elbow, Tube .....                                                                                         | 1          |
| 37                 | MFFZZ              | 8V613       | 7-311642422-3      | • Tube .....                                                                                                | 1          |
| 38                 | PAOZZ              | 8V613       | 7-311642410-7      | • Hose Assembly, Nonme .....                                                                                | 1          |
| 39                 | PAOZZ              | 8V613       | 7-311642410-5      | • Hose Assembly, Nonme .....                                                                                | 1          |
| 40                 | PAOZZ              | 8V613       | 7-311642407-3      | • Hose, Nonmetallic .....                                                                                   | 1          |
| 41                 | PAOZZ              | 8V613       | 7-311642407-5      | • Hose, Nonmetallic .....                                                                                   | 1          |
| 42                 | PAOZZ              | 8V613       | 7-311642421        | • Hose Assembly, Nonme .....                                                                                | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 43                 | PAOZZ              | 96906       | MS21266-2N         | • Grommet, Nonmetallic .....                | 1          |
| 44                 | PAOZZ              | 96906       | MS29513-125        | • O-Ring .....                              | 1          |
| END OF FIGURE      |                    |             |                    |                                             |            |



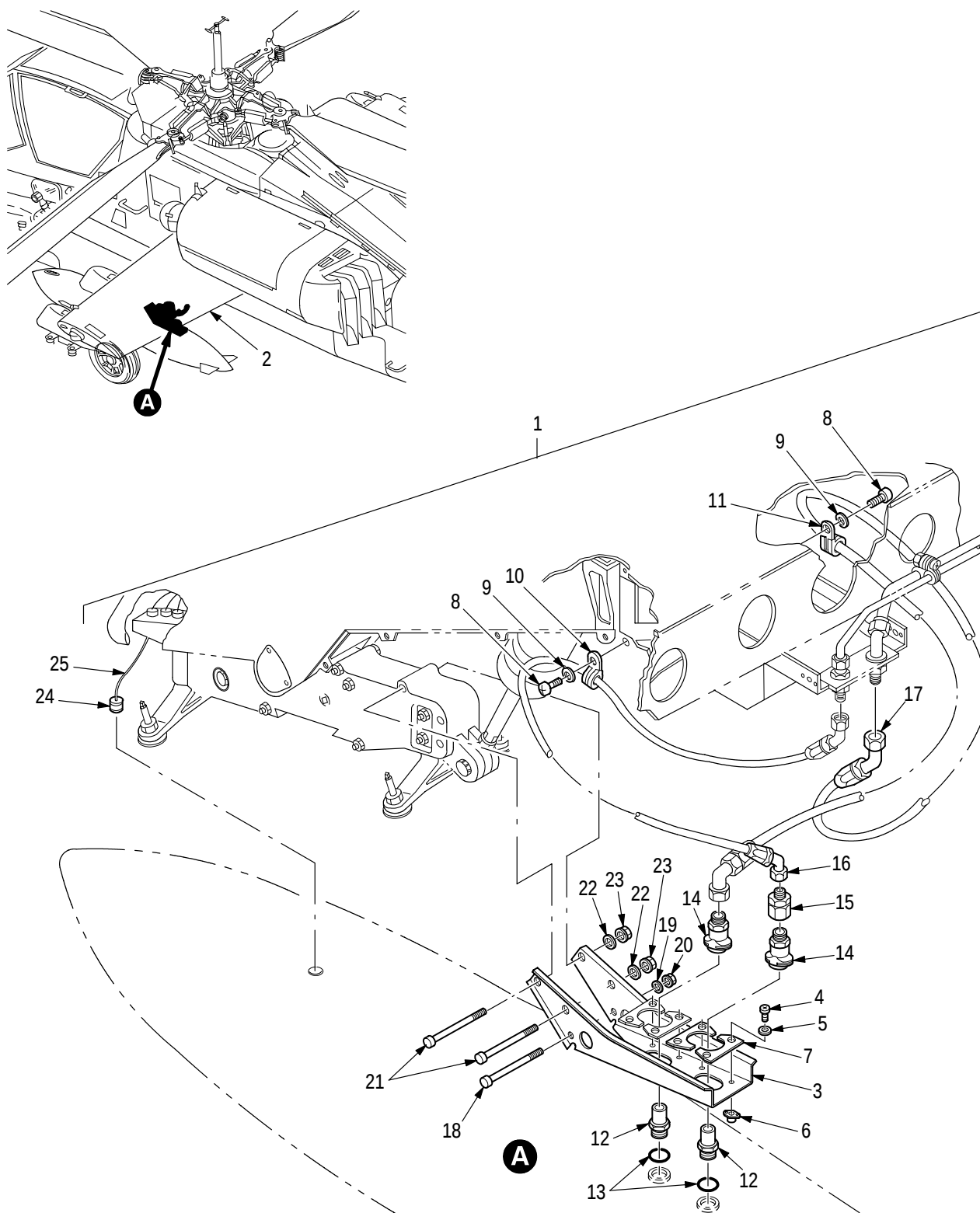


M09-955C

Figure 582. Group 10 Nitrogen Inerting Unit System Installation (Part 3)  
7-311642400

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 582 Nitrogen Inerting Unit<br>System Installation (Part 3)<br>7-311642400 |            |
| 1                  | PAOZZ              | 80205       | NAS1304-3          | • Bolt .....                                                                                           | 2          |
| 2                  | PAOZZ              | 88044       | NAS1149D0463J      | • Washer, Flat .....                                                                                   | 4          |
| 3                  | PAOZZ              | 8V613       | 7-311642403-3      | • Valve, Breakaway .....                                                                               | 1          |
| 4                  | PAOZZ              | 96906       | MS29513-125        | • O-Ring .....                                                                                         | 1          |
| 5                  | PAOZZ              | 81343       | AS5178D06          | • Nut, Plain, Hexagon .....                                                                            | 5          |
| 6                  | PAOZZ              | 88044       | NAS1149D0963J      | • Washer, Flat .....                                                                                   | 5          |
| 7                  | PAOZZ              | 8V613       | 7-311642406-3      | • Valve, Check .....                                                                                   | 1          |
| 8                  | PAOZZ              | 8V613       | 7-311642411        | • Orifice, Fuel Cell .....                                                                             | 1          |
| 9                  | PAOZZ              | 80205       | NAS1523AA9F        | • Packing With Retain .....                                                                            | 1          |
| 10                 | PAOZZ              | 96906       | MS21924D6          | • Adapter, Straight, Tu .....                                                                          | 3          |
| 11                 | PAOZZ              | 96906       | MS21907J6          | • Elbow, Tube .....                                                                                    | 1          |
| 12                 | PAOZZ              | 96906       | MS21902D6          | • Nipple, Boss .....                                                                                   | 2          |
| 13                 | PAOZZ              | 80205       | NAS1403-1          | • Screw, Machine .....                                                                                 | 5          |
| 14                 | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                   | 22         |
| 15                 | PAOZZ              | 80205       | NAS1403-16         | • Screw, Machine .....                                                                                 | 1          |
| 16                 | PAOZZ              | 96906       | MS21919WDF6        | • Clamp, Loop .....                                                                                    | 12         |
| 17                 | PAOZZ              | 80205       | NAS43DD3-12N       | • Spacer, Sleeve .....                                                                                 | 1          |
| 18                 | PAOZZ              | 80205       | NAS43DD3-48        | • Spacer, Sleeve .....                                                                                 | 1          |
| 19                 | MFOFF              | 8V613       | 7-311642413        | • Tube Assy .....                                                                                      | 1          |
| 20                 | MFOFF              | 8V613       | 7-311642416        | • Tube Assy .....                                                                                      | 1          |
| 21                 | MFOFF              | 8V613       | 7-311642417        | • Tube Assy .....                                                                                      | 1          |
| 22                 | MFOFF              | 8V613       | 7-311642418        | • Tube Assy .....                                                                                      | 1          |
| 23                 | MFOFF              | 8V613       | 7-311642419        | • Tube Assy .....                                                                                      | 1          |
| 24                 | PAFZZ              | 96906       | MS21921-6D         | • • Nut, Tube Coupling .....                                                                           | 2          |
| 25                 | PAFZZ              | 96906       | MS21922-6          | • • Sleeve, Clinch, Tube .....                                                                         | 2          |
| 26                 | XDOZZ              | 02731       | HS4367-5           | • • Plate, Identificatio .....                                                                         | 1          |
| 27                 | MFFZZ              | 8V613       | 7-311642413-3      | • • Tube (U/W P/N 7-311642413 Tube) .....                                                              | 1          |
| 27                 | MFFZZ              | 8V613       | 7-311642419-3      | • • Tube (U/W P/N 7-311642419 Tube) .....                                                              | 1          |
| 28                 | PAOZZ              | 8V613       | 7-311642410-3      | • Hose Assembly, Nonme .....                                                                           | 1          |
| 29                 | PAOZZ              | 8V613       | 7-311642409        | • Hose Assembly, Nonme .....                                                                           | 1          |
| 30                 | PAOZZ              | 8V613       | 7-311642405        | • Hose Assembly, Nonme .....                                                                           | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                        |            |

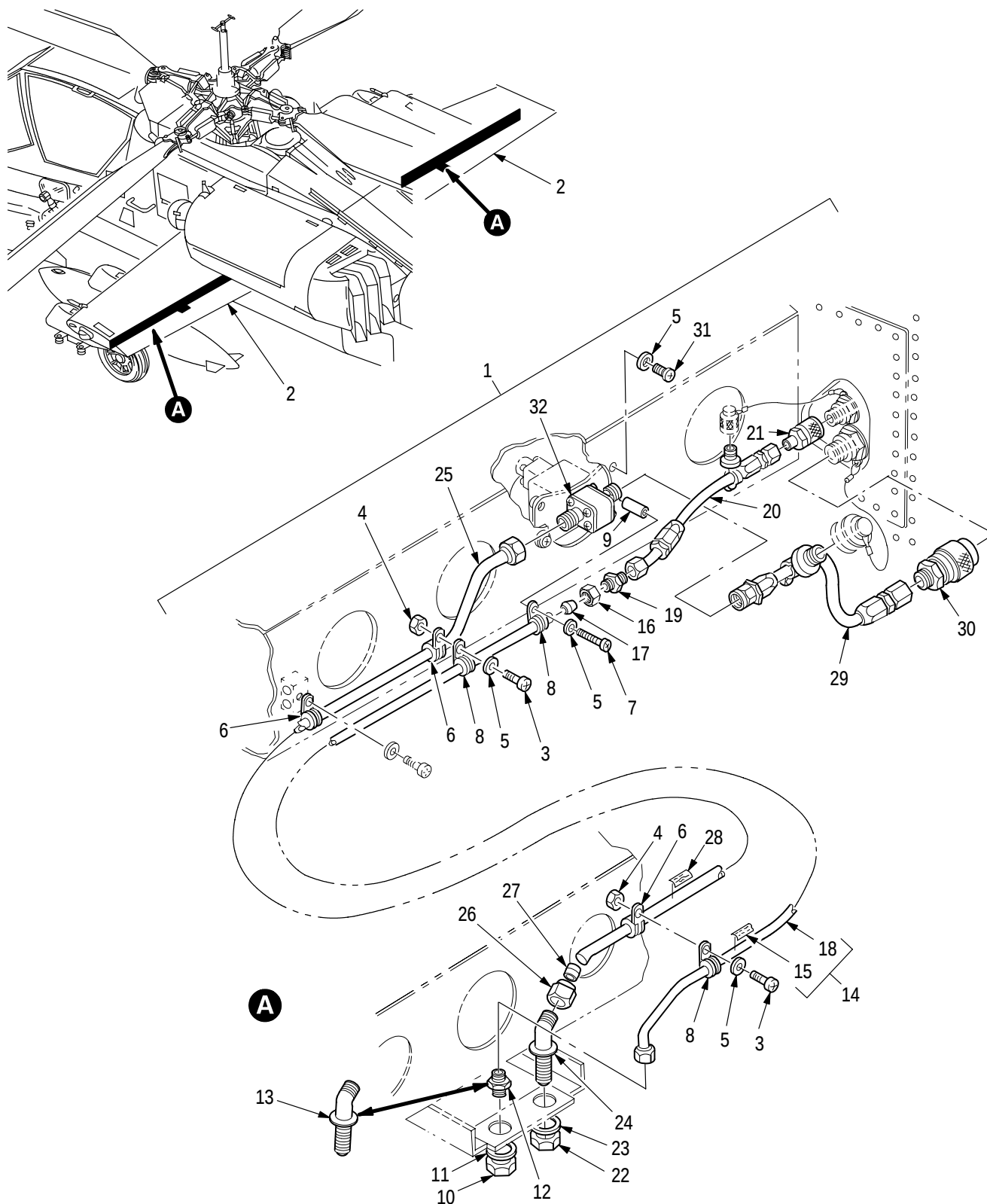




M09-1210

Figure 583. Group 10 Kit, Auxiliary Wing Tanks (2 Tanks) (Part 1)

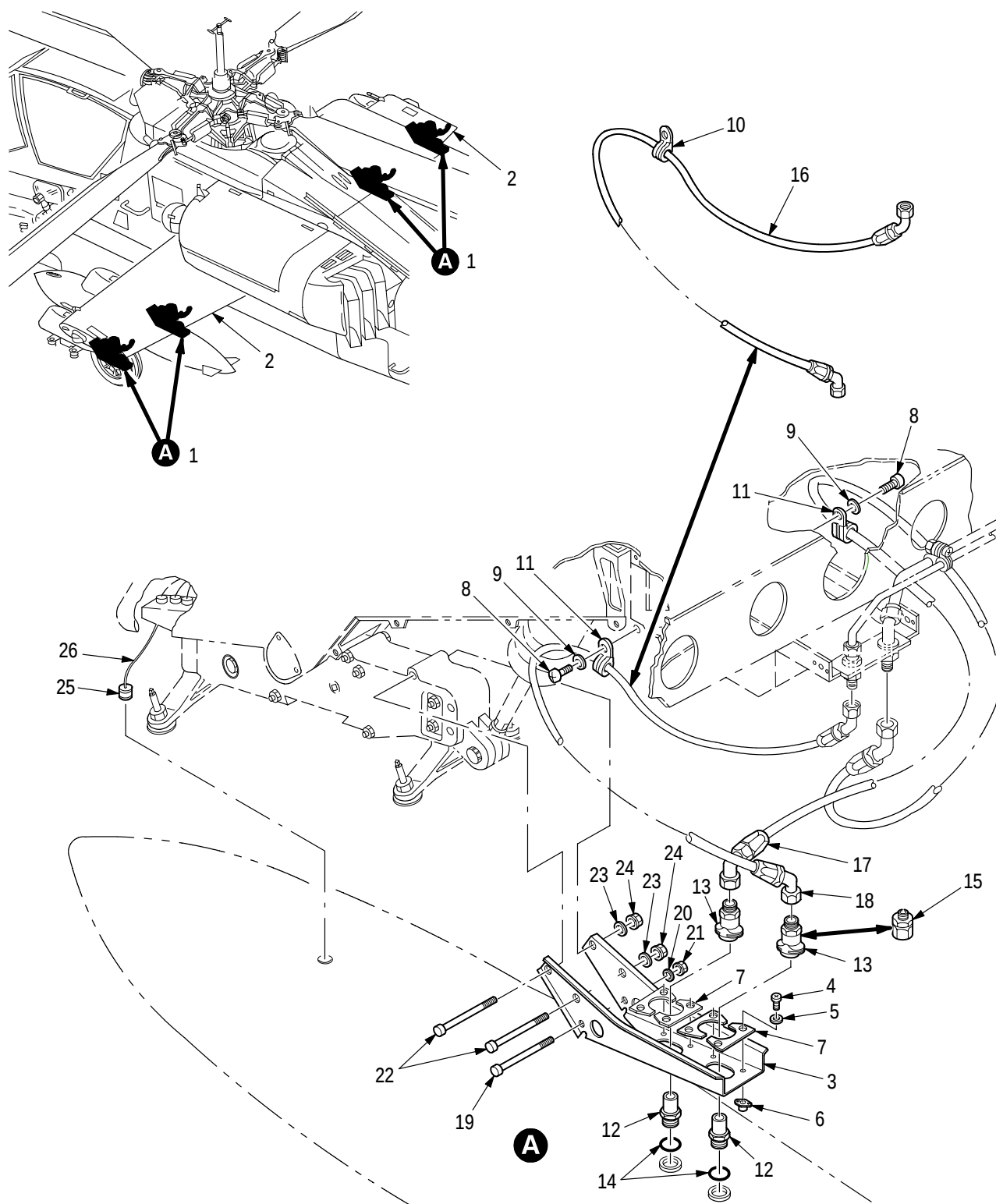
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 583 Kit, Auxiliary Wing Tanks<br>(2 Tanks) (Part 1) |            |
| 1                  | PDOFF              | 8V613       | 7-367100000-13     | • Installation Kit, Je .....                                                     | 1          |
| 2                  | XDOOO              | 8V613       | 7-367100000-17     | •• Wing Assy LH .....                                                            | 1          |
| 2                  | XDOOO              | 8V613       | 7-367100000-18     | •• Wing Assy RH .....                                                            | 1          |
| 3                  | PBOOO              | 8V613       | 7-367100101        | ••• Bracket, Mounting .....                                                      | 2          |
| 4                  | PAOZZ              | 80205       | NAS1403-2          | •••• Screw, Machine .....                                                        | 8          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | •••• Washer, Flat .....                                                          | 8          |
| 6                  | PAOZZ              | 80205       | MS21075L3E         | •••• Nut, Self-Locking, Pl .....                                                 | 8          |
| 7                  | XDOZZ              | 8V613       | 7-367100001-5      | •••• Retainer .....                                                              | 4          |
| 8                  | PAOZZ              | 80205       | NAS7703-3          | ••• Screw, Close Toleran .....                                                   | 6          |
| 9                  | PAOZZ              | 88044       | AN960JD10L         | ••• Washer, Flat .....                                                           | 9          |
| 10                 | PAOZZ              | 96906       | MS21919WDF7        | ••• Clamp, Loop .....                                                            | 1          |
| 11                 | PAOZZ              | 96906       | MS21919WDF10       | ••• Clamp, Loop .....                                                            | 1          |
| 12                 | PAOZZ              | 8V613       | 7-267100011-5      | ••• Coupling Assembly, Q .....                                                   | 2          |
| 13                 | PAOZZ              | 96906       | MS29512-08         | ••• O-Ring .....                                                                 | 2          |
| 14                 | PAOZZ              | 8V613       | 7-267100011-3      | ••• Coupling Assembly, Q .....                                                   | 2          |
| 15                 | PAOZZ              | 00624       | W22832D0804        | ••• Reducer, Tube .....                                                          | 1          |
| 16                 | PAOZZ              | 8V613       | 7-367100012-3      | ••• Hose Assembly, Nonme LH .....                                                | 1          |
| 16                 | PAOZZ              | 8V613       | 7-367100012-4      | ••• Hose Assembly, Nonme RH .....                                                | 1          |
| 17                 | PAOZZ              | 8V613       | 7-367100013-3      | ••• Hose Assembly, Nonme LH .....                                                | 1          |
| 17                 | PAOZZ              | 8V613       | 7-367100013-4      | ••• Hose Assembly, Nonme RH .....                                                | 1          |
| 18                 | PAOZZ              | 80205       | NAS6604-46         | ••• Bolt, Shear .....                                                            | 1          |
| 19                 | PAOZZ              | 88044       | AN960JD416         | ••• Washer, Flat .....                                                           | 1          |
| 20                 | PAOZA              | 96906       | MS21043-4          | ••• Nut, Self-Locking, Ex .....                                                  | 1          |
| 21                 | PAOZZ              | 80205       | NAS1305-46         | ••• Bolt, Shear .....                                                            | 2          |
| 22                 | PAOZZ              | 88044       | AN960JD516         | ••• Washer, Flat .....                                                           | 2          |
| 23                 | PAOZA              | 96906       | MS21043-5          | ••• Nut, Self-Locking, Ex .....                                                  | 2          |
| 24                 | PAOZZ              | 8V613       | 7-267100002-7      | •• Cable Assembly, Spec .....                                                    | 2          |
| 25                 | XDOZZ              | 02731       | HS4910-9754        | ••• Marker, Tie .....                                                            | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                  |            |



M09-1211C

Figure 584. Group 10 Kit, Auxiliary Wing Tanks (2 Tanks) (Part 2)

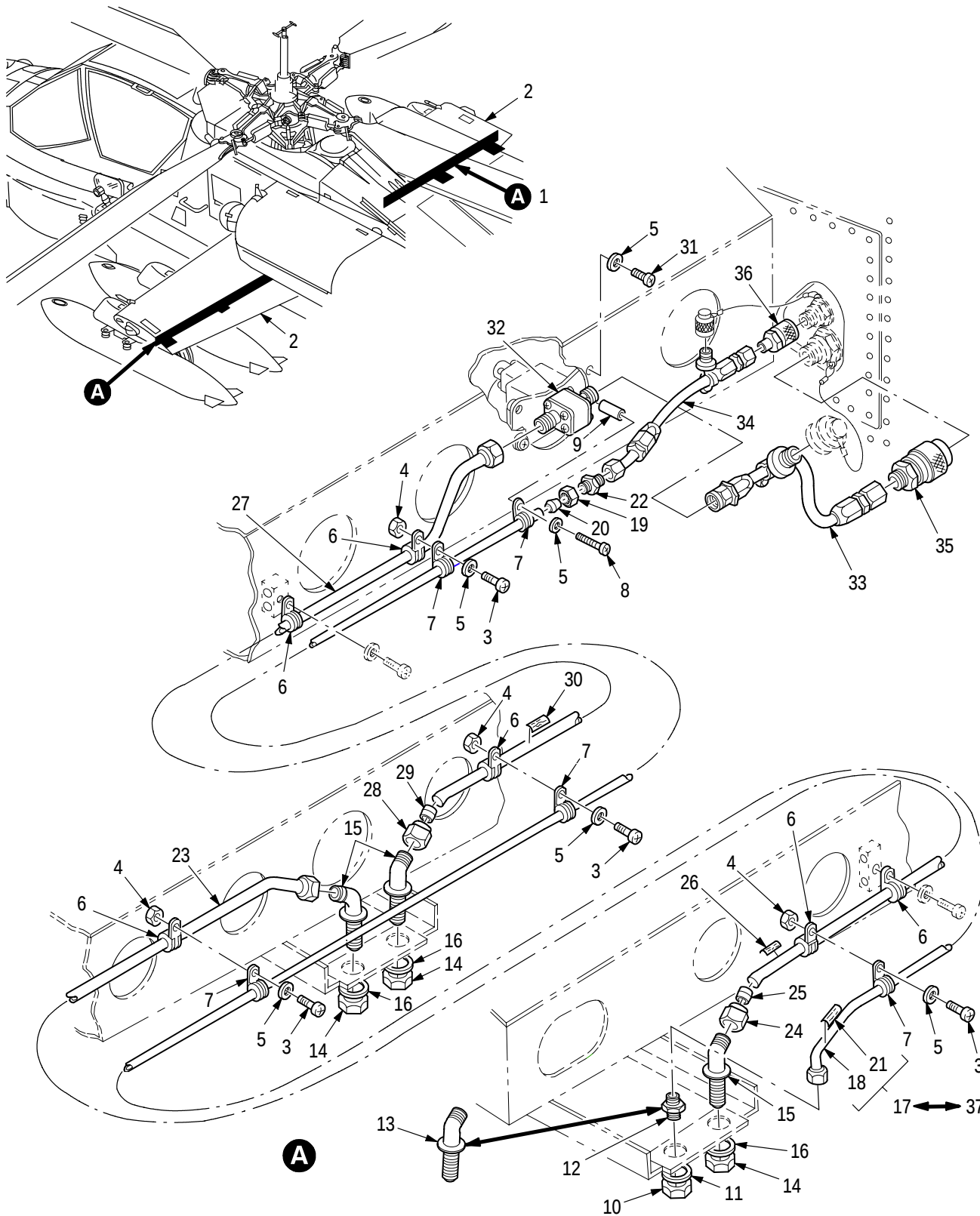
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 584 Kit, Auxiliary Wing Tanks<br>(2 Tanks) (Part 2) |            |
| 1                  | PDOFF              | 8V613       | 7-367100000-13     | • Installation Kit, Je .....                                                     | 1          |
| 2                  | XDOOO              | 8V613       | 7-367100000-17     | •• Wing Assy LH .....                                                            | 1          |
| 2                  | XDOOO              | 8V613       | 7-367100000-18     | •• Wing Assy RH .....                                                            | 1          |
| 3                  | PAOZZ              | 80205       | NAS1096-3-8        | ••• Screw, Machine .....                                                         | 2          |
| 4                  | PAOZZ              | 96906       | MS21044N3          | ••• Nut, Self-Locking, He .....                                                  | 2          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | ••• Washer, Flat .....                                                           | 9          |
| 6                  | XDOZZ              | 96906       | MS21919WDF8        | ••• Clamp, Loop .....                                                            | 3          |
| 7                  | PAOZZ              | 80205       | NAS623-3-32        | ••• Screw, Machine .....                                                         | 1          |
| 8                  | PAOZZ              | 96906       | MS21919WDF4        | ••• Clamp, Loop .....                                                            | 3          |
| 9                  | PAOZZ              | 80205       | NAS43DD4-48        | ••• Spacer, Sleeve .....                                                         | 1          |
| 10                 | PAOZZ              | 98897       | LS12906-184        | ••• Nut, Plain, Hexagon .....                                                    | 1          |
| 11                 | PAOZZ              | 8V613       | 7-367100009        | ••• Washer, Flat .....                                                           | 2          |
| 12                 | PAOZZ              | 96906       | MS21924D4          | ••• Adapter, Straight,Tu LH .....                                                | 1          |
| 13                 | PAOZZ              | 96906       | MS21907D4          | ••• Elbow, Tube RH .....                                                         | 1          |
| 14                 | MFOFF              | 8V613       | 7-367100503-7      | ••• Tube Assy, Metal LH .....                                                    | 1          |
| 14                 | MFOFF              | 8V613       | 7-367100504        | ••• Tube Assy, Metal RH .....                                                    | 1          |
| 15                 | XDOZZ              | 02731       | HS4367-1           | •••• Plate, Identificatio .....                                                  | 1          |
| 16                 | PAOZZ              | 96906       | MS21921D4          | •••• Nut, Tube Coupling .....                                                    | 2          |
| 17                 | PAOZZ              | 96906       | MS21922-4          | •••• Sleeve, Clinch, Tube .....                                                  | 2          |
| 18                 | MFOZZ              | 8V613       | 7-367100503-5      | •••• Tube LH .....                                                               | 1          |
| 18                 | MFOZZ              | 8V613       | 7-367100504-3      | •••• Tube RH .....                                                               | 1          |
| 19                 | PAOZZ              | 96906       | MS21902D4          | ••• Nipple, Boss LH .....                                                        | 1          |
| 20                 | PAOZZ              | 8V613       | 7-367100004        | ••• Hose Assembly, Nonme .....                                                   | 1          |
| 21                 | PAOZZ              | 8V613       | 7-311710169-7      | ••• Coupling Half, Quick .....                                                   | 1          |
| 22                 | PAOZZ              | 81352       | AN924-8D           | ••• Nut, Plain, Hexagon .....                                                    | 1          |
| 23                 | PAOZZ              | 88044       | AN960PD1216L       | ••• Washer, Flat .....                                                           | 1          |
| 24                 | PAOZZ              | 96906       | MS21907D8          | ••• Elbow, Tube .....                                                            | 1          |
| 25                 | PAOOO              | 8V613       | 7-367100507-7      | ••• Tube Assembly, Metal LH .....                                                | 1          |
| 25                 | PAOOO              | 8V613       | 7-367100508-7      | ••• Tube Assembly, Metal RH .....                                                | 1          |
| 26                 | PAOZZ              | 96906       | MS21921-8D         | •••• Nut, Tube Coupling .....                                                    | 2          |
| 27                 | PAOZZ              | 96906       | MS21922-8          | •••• Sleeve, Clinch, Tube .....                                                  | 2          |
| 28                 | XDOZZ              | 02731       | HS4367-1           | •••• Plate, Identificatio .....                                                  | 1          |
| 29                 | PAOZZ              | 8V613       | 7-367100005-3      | ••• Hose Assembly, Nonme .....                                                   | 1          |
| 30                 | PAOZZ              | 8V613       | 7-311642169-3      | ••• Coupling Half, Self- .....                                                   | 1          |
| 31                 | PAOZZ              | 80205       | NAS7703-3          | ••• Screw, Close Toleran .....                                                   | 6          |
| 32                 | PAOZZ              | 8V613       | 7-367100015-3      | ••• Valve, Ball .....                                                            | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                  |            |



M09-1212D

Figure 585. Group 10 Kit, Auxiliary Wing Tanks (4 Tanks) (Part 1)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 585 Kit, Auxiliary Wing Tanks<br>(4 Tanks) (Part 1) |            |
| 1                  | PDOFF              | 8V613       | 7-367100000-11     | • Installation Kit, Je .....                                                     | 1          |
| 2                  | XDOOO              | 8V613       | 7-367100000-15     | •• Wing Assy, LH .....                                                           | 1          |
| 2                  | XDOOO              | 8V613       | 7-367100000-16     | •• Wing Assy, RH .....                                                           | 1          |
| 3                  | PBOOO              | 8V613       | 7-367100101        | ••• Bracket, Mounting .....                                                      | 2          |
| 4                  | PAOZZ              | 80205       | NAS1403-2          | •••• Screw, Machine .....                                                        | 8          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | •••• Washer, Flat .....                                                          | 8          |
| 6                  | PAOZZ              | 80205       | MS21075L3E         | •••• Nut, Self-Locking, Pl .....                                                 | 8          |
| 7                  | XDOZZ              | 8V613       | 7-367100001-5      | •••• Retainer .....                                                              | 4          |
| 8                  | PAOZZ              | 80205       | NAS7703-3          | ••• Screw, Close Toleran .....                                                   | 4          |
| 9                  | PAOZZ              | 88044       | AN960JD10L         | ••• Washer, Flat .....                                                           | 5          |
| 10                 | PAOZZ              | 96906       | MS21919WDF7        | ••• Clamp, Loop .....                                                            | 1          |
| 11                 | PAOZZ              | 96906       | MS21919WDF10       | ••• Clamp, Loop .....                                                            | 3          |
| 12                 | PAOZZ              | 8V613       | 7-267100011-5      | ••• Coupling Assembly, Q .....                                                   | 4          |
| 13                 | PAOZZ              | 8V613       | 7-267100011-3      | ••• Coupling Assembly, Q .....                                                   | 4          |
| 14                 | PAOZZ              | 96906       | MS29512-08         | ••• O-Ring .....                                                                 | 4          |
| 15                 | PAOZZ              | 00624       | W22832D0804        | ••• Reducer, Tube .....                                                          | 1          |
| 16                 | PAOZZ              | 8V613       | 7-367100012-3      | ••• Hose Assembly, Nonme LH .....                                                | 1          |
| 16                 | PAOZZ              | 8V613       | 7-367100012-4      | ••• Hose Assembly, Nonme RH .....                                                | 1          |
| 17                 | PAOZZ              | 8V613       | 7-367100013-3      | ••• Hose Assembly, Nonme LH .....                                                | 2          |
| 17                 | PAOZZ              | 8V613       | 7-367100013-4      | ••• Hose Assembly, Nonme RH .....                                                | 2          |
| 18                 | PAOZZ              | 8V613       | 7-367100013-5      | ••• Hose Assembly, Nonme LH .....                                                | 1          |
| 18                 | PAOZZ              | 8V613       | 7-367100013-6      | ••• Hose Assembly, Nonme RH .....                                                | 1          |
| 19                 | PAOZZ              | 80205       | NAS6604-46         | ••• Bolt, Shear .....                                                            | 2          |
| 20                 | PAOZZ              | 88044       | AN960JD416         | ••• Washer, Flat .....                                                           | 2          |
| 21                 | PAOZZ              | 96906       | MS21043-4          | ••• Nut, Self-Locking, Ex .....                                                  | 2          |
| 22                 | XDOZZ              | 80205       | NAS1305-46         | ••• Bolt, Shear .....                                                            | 4          |
| 23                 | PAOZZ              | 88044       | AN960JD516         | ••• Washer, Flat .....                                                           | 4          |
| 24                 | PAOZZ              | 96906       | MS21043-5          | ••• Nut, Self-Locking, Ex .....                                                  | 4          |
| 25                 | PAOZZ              | 8V613       | 7-267100002-7      | •• Cable Assembly, Spec .....                                                    | 2          |
| 26                 | XDOZZ              | 02731       | HS4910-9754        | ••• Marker, Tie .....                                                            | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                  |            |

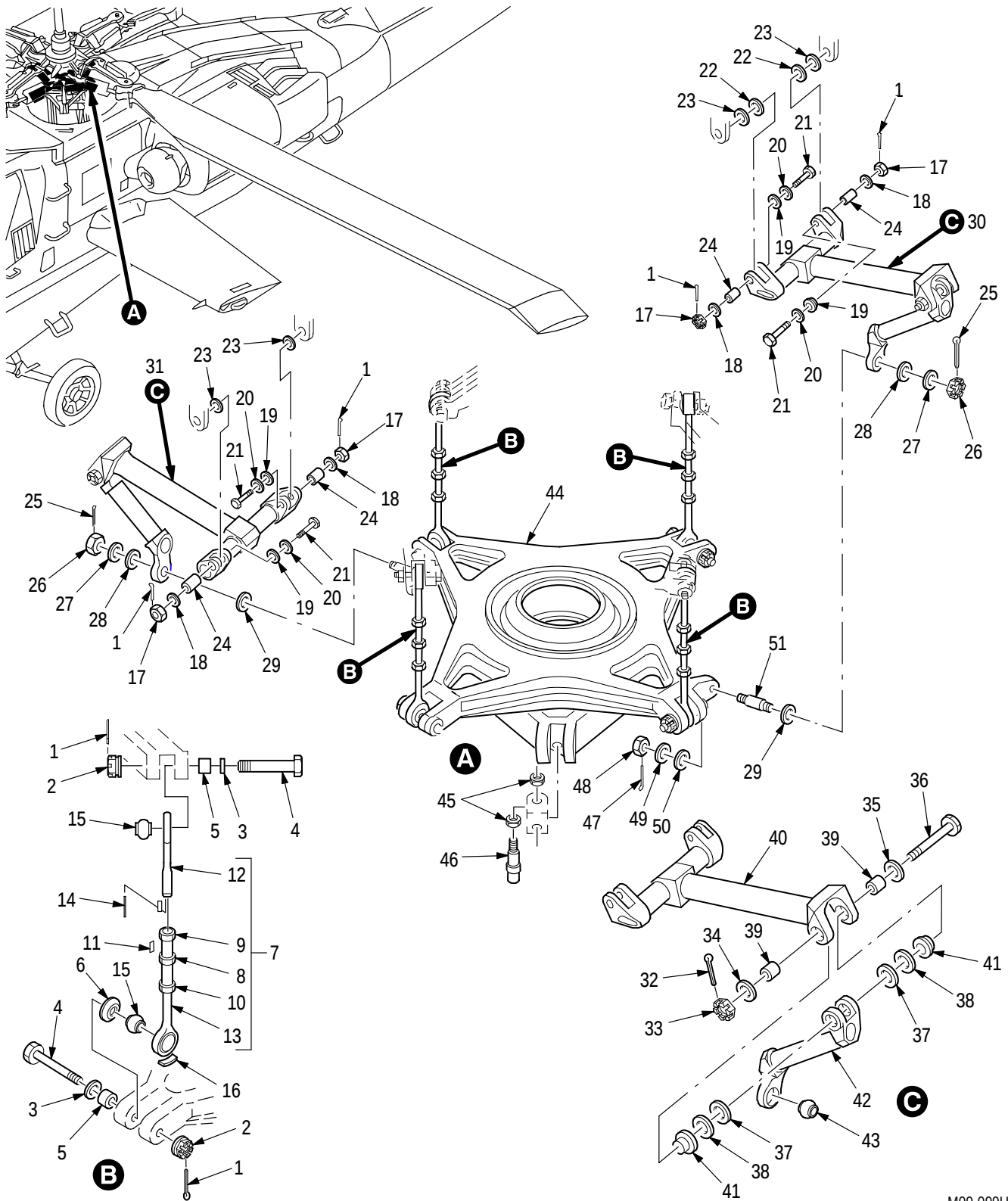


M09-1213D

Figure 586. Group 10 Kit, Auxiliary Wing Tanks (4 Tanks) (Part 2)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 10 Fuel System<br>Fig. 586 Kit, Auxiliary Wing Tanks<br>(4 Tanks) (Part 2) |            |
| 1                  | PDOFF              | 8V613       | 7-367100000-11     | • Installation Kit, Je .....                                                     | 1          |
| 2                  | XDOOO              | 8V613       | 7-367100000-15     | •• Wing Assy, LH .....                                                           | 1          |
| 2                  | XDOOO              | 8V613       | 7-367100000-16     | •• Wing Assy, RH .....                                                           | 1          |
| 3                  | PAOZZ              | 80205       | NAS1096-3-8        | ••• Screw, Machine .....                                                         | 4          |
| 4                  | PAOZZ              | 96906       | MS21044N3          | ••• Nut, Self-Locking, He .....                                                  | 4          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | ••• Washer, Flat .....                                                           | 8          |
| 6                  | XDOZZ              | 96906       | MS21919WDF8        | ••• Clamp, Loop .....                                                            | 6          |
| 7                  | PAOZZ              | 96906       | MS21919WDF4        | ••• Clamp, Loop .....                                                            | 5          |
| 8                  | PAOZZ              | 80205       | NAS623-3-32        | ••• Screw, Machine .....                                                         | 1          |
| 9                  | PAOZZ              | 80205       | NAS43DD4-48        | ••• Spacer, Sleeve .....                                                         | 1          |
| 10                 | PAOZZ              | 98897       | LS12906-184        | ••• Nut, Plain, Hexagon .....                                                    | 1          |
| 11                 | PAOZZ              | 8V613       | 7-367100009        | ••• Washer, Flat .....                                                           | 2          |
| 12                 | PAOZZ              | 96906       | MS21924D4          | ••• Adapter, Straight,Tu .....                                                   | 1          |
| 13                 | PAOZZ              | 96906       | MS21907D4          | ••• Elbow, Tube RH .....                                                         | 1          |
| 14                 | PAOZZ              | 81352       | AN924-8D           | ••• Nut, Plain, Hexagon .....                                                    | 3          |
| 15                 | PAOZZ              | 96906       | MS21907D8          | ••• Elbow, Tube .....                                                            | 3          |
| 16                 | PAOZZ              | 88044       | AN960PD1216L       | ••• Washer, Flat .....                                                           | 3          |
| 17                 | MFOFF              | 8V613       | 7-367100501-7      | ••• Tube Assy, Metal LH .....                                                    | 1          |
| 17                 | MFOFF              | 8V613       | 7-367100502        | ••• Tube Assy, Metal RH .....                                                    | 1          |
| 18                 | MFOZZ              | 8V613       | 7-367100501-5      | •••• Tube .....                                                                  | 1          |
| 19                 | PAOZZ              | 96906       | MS21921-4D         | •••• Nut, Tube Coupling .....                                                    | 2          |
| 20                 | PAOZZ              | 96906       | MS21922-4          | •••• Sleeve, Clinch, Tube .....                                                  | 2          |
| 21                 | XDOZZ              | 02731       | HS4367-2           | •••• Plate, Identificatio .....                                                  | 1          |
| 22                 | PAOZZ              | 96906       | MS21902D4          | ••• Nipple, Boss RH .....                                                        | 1          |
| 23                 | PAOOO              | 8V613       | 7-367100505-7      | ••• Tube Assembly, Metal LH .....                                                | 1          |
| 23                 | PAOOO              | 8V613       | 7-367100506-7      | ••• Tube Assembly, Metal RH .....                                                | 1          |
| 24                 | PAOZZ              | 96906       | MS21921-8D         | •••• Nut, Tube Coupling .....                                                    | 2          |
| 25                 | PAOZZ              | 96906       | MS21922-8          | •••• Sleeve, Clinch, Tube .....                                                  | 2          |
| 26                 | XDOZZ              | 02731       | HS4367-1           | •••• Plate, Identificatio .....                                                  | 1          |
| 27                 | PAOOO              | 8V613       | 7-367100507-7      | ••• Tube Assembly, Metal LH .....                                                | 1          |
| 27                 | PAOOO              | 8V613       | 7-367100508-7      | ••• Tube Assembly, Metal RH .....                                                | 1          |
| 28                 | PAOZZ              | 96906       | MS21921-8D         | •••• Nut, Tube Coupling .....                                                    | 2          |
| 29                 | PAOZZ              | 96906       | MS21922-8          | •••• Sleeve, Clinch, Tube .....                                                  | 2          |
| 30                 | XDOZZ              | 02731       | HS4367-1           | •••• Plate, Identificatio .....                                                  | 1          |
| 31                 | PAOZZ              | 80205       | NAS7703-3          | ••• Screw, Close Toleran .....                                                   | 4          |
| 32                 | PAOZZ              | 8V613       | 7-367100015-3      | ••• Valve, Ball .....                                                            | 1          |
| 33                 | PAOZZ              | 8V613       | 7-367100005-3      | ••• Hose Assembly, Nonme .....                                                   | 1          |
| 34                 | PAOZZ              | 8V613       | 7-367100004        | ••• Hose Assembly, Nonme .....                                                   | 1          |
| 35                 | PAOZZ              | 8V613       | 7-311642169-3      | ••• Coupling Half, Self- .....                                                   | 1          |
| 36                 | PAOZZ              | 8V613       | 7-311710169-7      | ••• Coupling Half, Quick .....                                                   | 1          |
| 37                 | MFOFF              | 8V613       | 7-367100503-7      | •• Tube Assy, Metal (For 2 Tanks Conversion) .....                               | 1          |
| 37                 | MFOFF              | 8V613       | 7-367100504        | •• Tube Assy, Metal (For 2 Tanks Conversion) .....                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                  |            |





M09-099H

Figure 587. Group 11 Rotor Controls, Upper Main (Pitch Links and Scissors)  
7-311511100

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 587 Rotor Controls, Upper Main<br>(Pitch Links and Scissors)<br>7-311511100 |            |
| 1                  | PAOZZ              | 96906       | MS24665-377        | • Pin, Cotter .....                                                                                                | 16         |
| 2                  | PAOZZ              | 96906       | MS21224-12         | • Nut, Self-Locking, As .....                                                                                      | 8          |
| 3                  | PAOZZ              | 88044       | AN960-1216L        | • Washer, Flat .....                                                                                               | V          |
| 4                  | PAOZZ              | 02731       | HS5039-0245        | • Bolt, Close Toleranc .....                                                                                       | 8          |
| 5                  | PAOZZ              | 8V613       | 7-311511202-9      | • Bushing, Sleeve .....                                                                                            | 8          |
| 6                  | PAOZZ              | 8V613       | 7-211511205        | • Limiter, Pitch Link .....                                                                                        | 4          |
| 7                  | PAOFF              | 8V613       | 7-311511135-7      | • Pitch Link Assy .....                                                                                            | 4          |
| 8                  | PAOZZ              | 8V613       | 7-311511136-9      | • • Connecting Link, Rig .....                                                                                     | 1          |
| 9                  | XDOZZ              | 80205       | NAS509L14          | • • Nut, Plain, Hexagon .....                                                                                      | 1          |
| 10                 | PAOZZ              | 80205       | NAS509-14          | • • Nut, Plain, Hexagon .....                                                                                      | 1          |
| 11                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....                                                                                     | 1          |
| 12                 | PAOFF              | 8V613       | 7-311511137-31     | • • Rod End Assy .....                                                                                             | 1          |
| 13                 | PAOFF              | 8V613       | 7-311511137-33     | • • Rod End Assy .....                                                                                             | 1          |
| 14                 | PAOZZ              | 96906       | MS171604           | • • • Pin, Spring (U/O P/N 7-311511137-31) .....                                                                   | 1          |
| 15                 | PAFZZ              | 0R2N0       | HS4810-KR12CEGH    | • • • Bearing, Plain, Self- .....                                                                                  | 2          |
| 16                 | XDOZZ              | 02731       | HS4951-1           | • • • Plate, Identificatio .....                                                                                   | 1          |
| 17                 | PAOZZ              | 96906       | MS17826-9          | • Nut, Self-Locking, Ca .....                                                                                      | 4          |
| 18                 | PAOZZ              | 96906       | MS20002-9          | • Washer, Flat .....                                                                                               | 4          |
| 19                 | PAOZZ              | 96906       | MS20002C9          | • Washer, Recessed .....                                                                                           | 4          |
| 20                 | PAOZZ              | 80205       | NAS1149F0932P      | • Washer, Flat .....                                                                                               | V          |
| 21                 | PAOZZ              | 80205       | NAS6209-25D        | • Bolt, Shear .....                                                                                                | 4          |
| 22                 | PAOZZ              | 8V613       | 7-211511196        | • Washer, Flat .....                                                                                               | 2          |
| 23                 | PAOZZ              | 8V613       | 7-211511199-3      | • Bearing, Washer, Thru .....                                                                                      | 4          |
| 24                 | PAOZZ              | 8V613       | 7-211511197-5      | • Bushing, Sleeve .....                                                                                            | 4          |
| 25                 | PAOZZ              | 80205       | MS24665-302        | • Pin, Cotter .....                                                                                                | 2          |
| 26                 | PAOZZ              | 96906       | MS17826-10         | • Nut, Self-Locking, Sl .....                                                                                      | 2          |
| 27                 | PAOZZ              | 80205       | NAS1149D1063K      | • Washer, Flat .....                                                                                               | 2          |
| 28                 | PAOZZ              | 8V613       | 7-211511224        | • Washer, Flat .....                                                                                               | 2          |
| 29                 | PAOZZ              | 80205       | NAS1149D1290K      | • Washer, Flat .....                                                                                               | 2          |
| 30                 | PAODD              | 8V613       | 7-311511158-3      | • Scissors Assy, Main .....                                                                                        | 1          |
| 31                 | PAOFF              | 8V613       | 7-311511158-5      | • Scissors Assy, Main .....                                                                                        | 1          |
| 32                 | PAOZZ              | 96906       | MS24665-374        | • • Pin, Cotter .....                                                                                              | 1          |
| 33                 | PAOZZ              | 96906       | MS17826-14         | • • Nut, Self-Locking, Sl .....                                                                                    | 1          |
| 34                 | PAOZZ              | 96906       | MS21206-14         | • • Washer, Flat .....                                                                                             | 1          |
| 35                 | PAOZZ              | 96906       | MS21206-C14        | • • Washer, Recessed .....                                                                                         | 1          |
| 36                 | PAOZZ              | 8V613       | 7-211511160-3      | • • Bolt, Shear .....                                                                                              | 1          |
| 37                 | PAOZZ              | 8V613       | 7-211511195        | • • Spacer, Plate (U/O P/N 7-311511158-3) .....                                                                    | 2          |
| 38                 | PAOZZ              | 8V613       | 7-211511166        | • • Bearing, Washer, Thru (U/O P/N 7-311511158-3) .....                                                            | 2          |
| 39                 | PAOZZ              | 8V613       | 7-211511167        | • • Bushing, Sleeve (U/O P/N 7-311511158-3) .....                                                                  | 2          |
| 39                 | PAOZZ              | 8V613       | 7-211511167-3      | • • Bushing, Sleeve (U/O P/N 7-311511158-5) .....                                                                  | 2          |
| 40                 | PAOFF              | 8V613       | 7-311511159        | • • Arm Assy, Flight Con .....                                                                                     | 1          |
| 41                 | PAFZZ              | 02731       | HS5444-0003        | • • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511163) .....                                              | 2          |
| 41                 | PAFZZ              | 8V613       | 7-211511163        | • • • Bearing, Sleeve .....                                                                                        | 2          |
| 41                 | PAOZZ              | 02731       | HS5444-0004        | • • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511163) .....                                              | 2          |
| 42                 | PAODD              | 8V613       | 7-311511161        | • • Arm Assy, Flight Con .....                                                                                     | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 43                 | PAFZZ              | 0R2N0       | HS4810-KR12CEGH    | • • • Bearing, Plain, Self- .....           | 1          |
| 44                 | PAODD              | 8V613       | 7-311511101-23     | • Swashplate, Controll .....                | 1          |
| 45                 | PAOZZ              | 02731       | HS5284LN01         | • • Locknut, Special .....                  | 2          |
| 46                 | PAOZZ              | 02731       | HS5284-3001        | • • Transducer, Motional .....              | 1          |
| 47                 | PAOZZ              | 80205       | MS24665-302        | • • Pin, Cotter .....                       | 2          |
| 48                 | PAOZZ              | 96906       | MS17826-10         | • • Nut, Self-Locking, SI .....             | 2          |
| 49                 | PAOZZ              | 80205       | NAS1149D1063K      | • • Washer, Flat .....                      | 2          |
| 50                 | PAFZZ              | 88044       | AN960KD1016L       | • • Washer, Flat .....                      | V          |
| 51                 | PAOZZ              | 8V613       | 7-211511201        | • • Pin, Shoulder, Headle .....             | 2          |
| END OF FIGURE      |                    |             |                    |                                             |            |



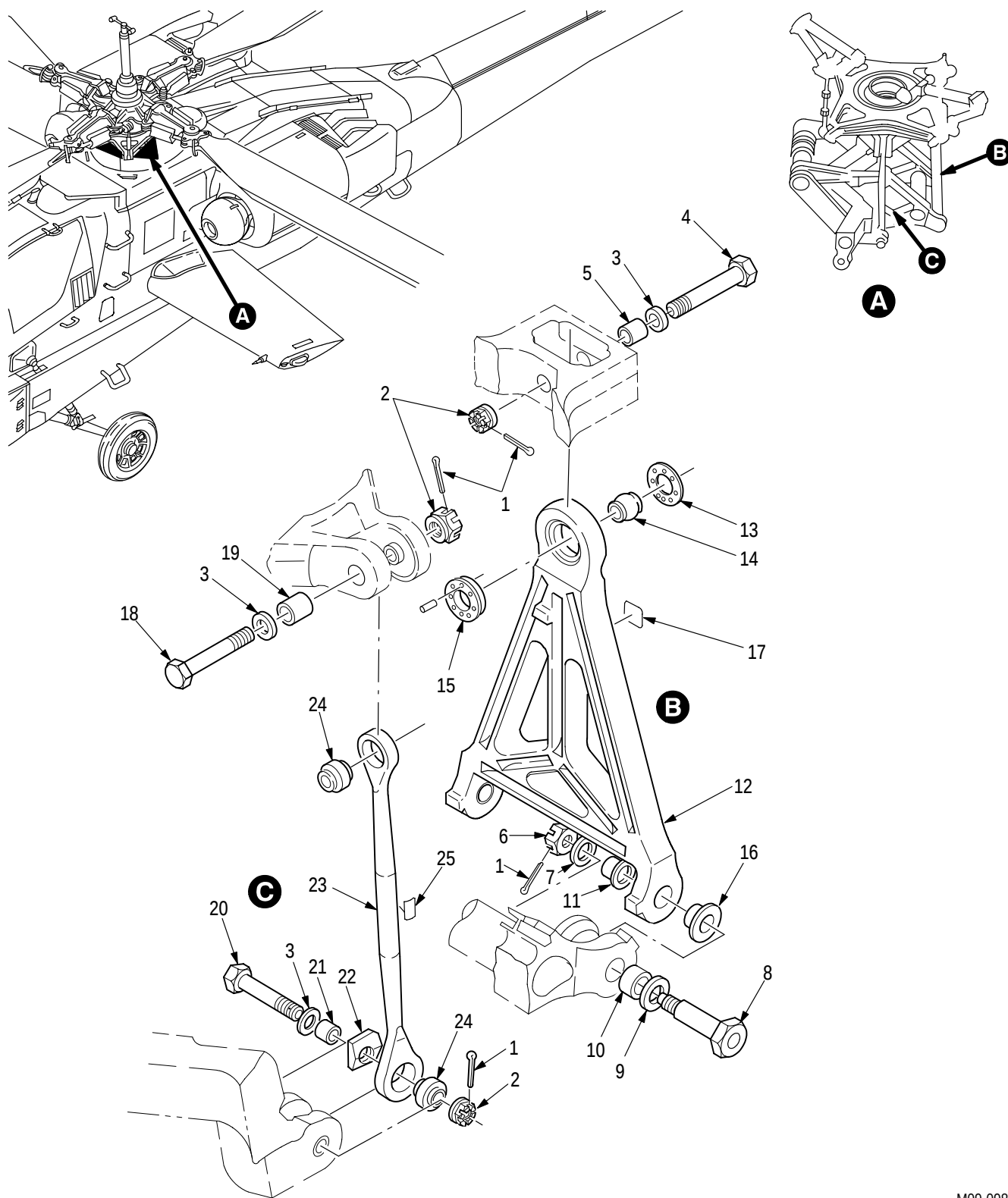
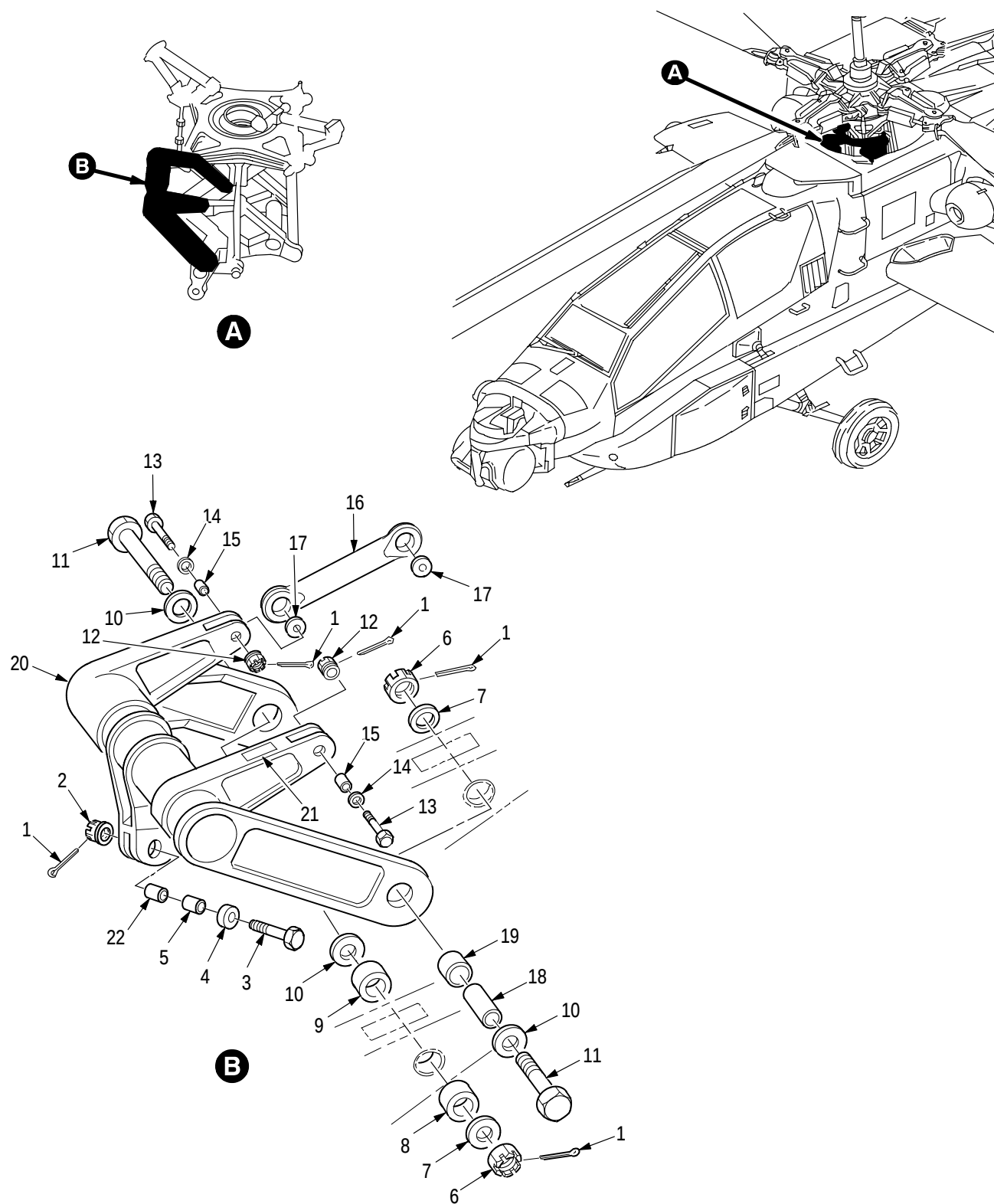


Figure 588. Group 11 Rotor Controls, Upper Main (Torque and Lateral Links)  
7-311511100

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 588 Rotor Controls, Upper Main<br>(Torque and Lateral Links)<br>7-311511100 |            |
| 1                  | PAOZZ              | 96906       | MS24665-377        | • Pin, Cotter .....                                                                                                | 4          |
| 2                  | PAOZZ              | 96906       | MS21224-12         | • Nut, Self-Locking, As .....                                                                                      | 3          |
| 3                  | PAOZZ              | 88044       | AN960-1216L        | • Washer, Flat .....                                                                                               | V          |
| 4                  | PAOZZ              | 02731       | HS5039-0261        | • Bolt, Close Toleranc .....                                                                                       | 1          |
| 5                  | PAOZZ              | 8V613       | 7-311511155-3      | • Bushing, Sleeve .....                                                                                            | 1          |
| 6                  | PAOZZ              | 96906       | MS17826-16         | • Nut, Self-Locking, Sl .....                                                                                      | 2          |
| 7                  | PAOZZ              | 96906       | MS21206-16         | • Washer, Flat .....                                                                                               | 2          |
| 8                  | PAOZZ              | 8V613       | 7-211511211-3      | • Bolt, Self-Locking .....                                                                                         | 2          |
| 9                  | PAOZZ              | 88044       | AN960-1616L        | • Washer, Flat .....                                                                                               | V          |
| 10                 | PAOZZ              | 8V613       | 7-311511122-3      | • Spacer, Sleeve .....                                                                                             | 1          |
| 11                 | PAOZZ              | 8V613       | 7-311511210-3      | • Bushing, Sleeve .....                                                                                            | 2          |
| 12                 | PAOFF              | 8V613       | 7-311511181-43     | • Connecting Link, Rig .....                                                                                       | 1          |
| 13                 | PAFZZ              | 8V613       | 7-211511193        | • • Plate, Retaining, Bea .....                                                                                    | 1          |
| 14                 | PAFZZ              | 0R2N0       | HS4810-KR12CEGH    | • • Bearing, Plain, Self- .....                                                                                    | 1          |
| 15                 | PAFZZ              | 8V613       | 7-211511192        | • • Bushing, Mounting, To .....                                                                                    | 1          |
| 16                 | PAFZZ              | 02731       | HS5508-13          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511121) .....                                                | 2          |
| 16                 | PAFZZ              | 02731       | HS5508-14          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511121) .....                                                | 2          |
| 16                 | PAFZZ              | 8V613       | 7-311511121        | • • Bushing, Sleeve .....                                                                                          | 2          |
| 17                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....                                                                                     | 1          |
| 18                 | PAOZZ              | 02731       | HS5039-0264        | • Bolt, Close Toleranc .....                                                                                       | 2          |
| 19                 | PAOZZ              | 8V613       | 7-311511202-5      | • Bushing, Sleeve .....                                                                                            | 2          |
| 20                 | PAOZZ              | 02731       | HS5039-0255        | • Bolt, Close Toleranc .....                                                                                       | 2          |
| 21                 | PAOZZ              | 8V613       | 7-311511155-15     | • Bushing, Sleeve .....                                                                                            | 2          |
| 22                 | PAOZZ              | 8V613       | 7-211511205-3      | • Limiter, Link, Contro .....                                                                                      | 2          |
| 23                 | PAOFF              | 8V613       | 7-311511182-17     | • Link Assy, Main Roto .....                                                                                       | 2          |
| 24                 | PAFZZ              | 0R2N0       | HS4810-KR12CEGH    | • • Bearing, Plain, Self- .....                                                                                    | 2          |
| 25                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....                                                                                     | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                    |            |

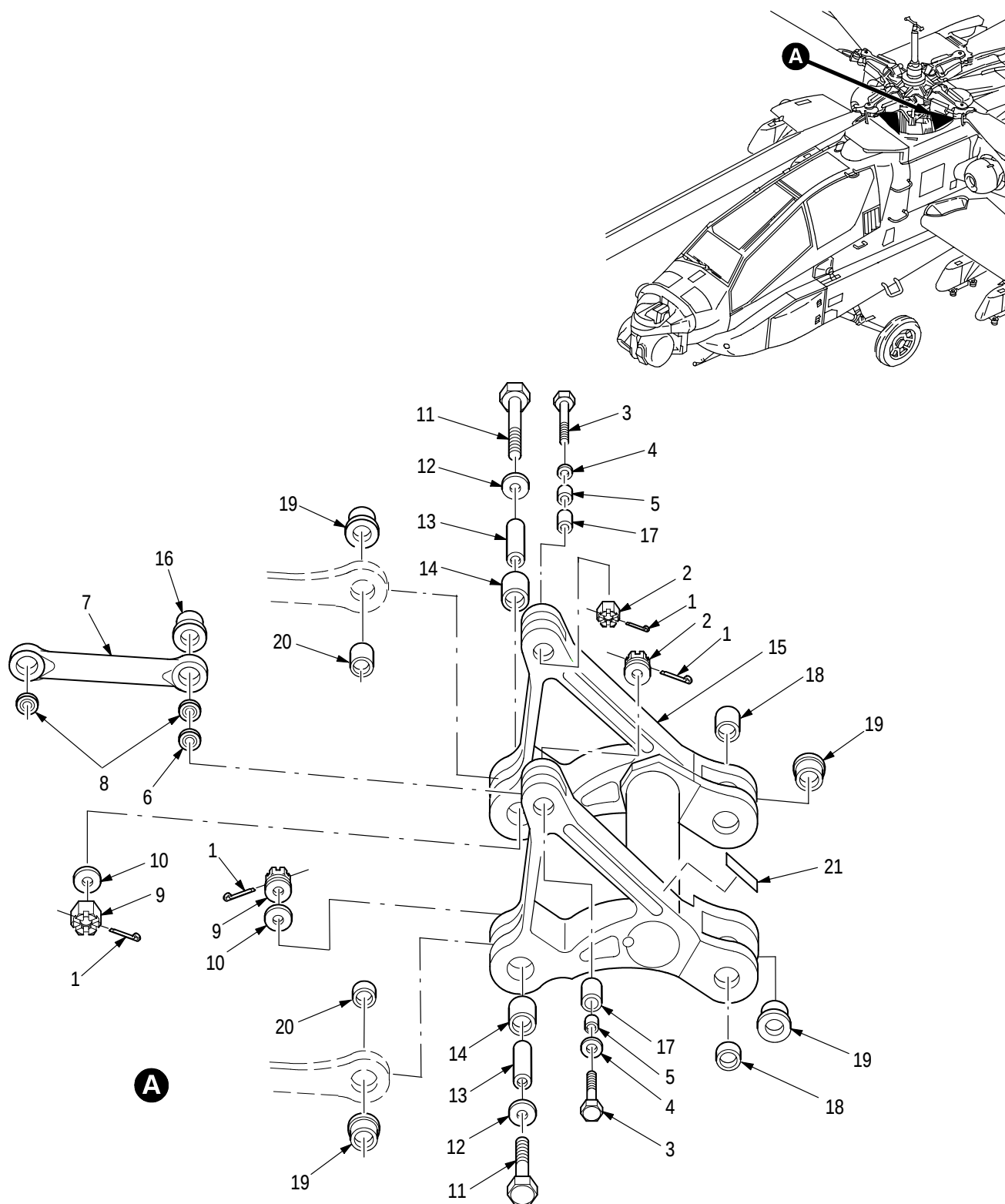


M09-097H

Figure 589. Group 11 Rotor Controls, Upper Main (Forward Longitudinals)  
7-311511100

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 589 Rotor Controls, Upper Main<br>(Forward Longitudinals)<br>7-311511100 |            |
| 1                  | PAOZZ              | 96906       | MS24665-377        | • Pin, Cotter .....                                                                                             | 5          |
| 2                  | PAOZZ              | 96906       | MS21224-12         | • Nut, Self-Locking, As .....                                                                                   | 1          |
| 3                  | PAOZZ              | 02731       | HS5039-0250        | • Bolt, Close Toleranc .....                                                                                    | 1          |
| 4                  | PAOZZ              | 88044       | AN960-1216L        | • Washer, Flat .....                                                                                            | V          |
| 5                  | PAOZZ              | 8V613       | 7-311511155-13     | • Bushing, Sleeve .....                                                                                         | 2          |
| 6                  | PAOZZ              | 96906       | MS17826-20         | • Nut, Self-Locking, Sl .....                                                                                   | 2          |
| 7                  | PAOZZ              | 88044       | AN960-2016         | • Washer, Flat .....                                                                                            | 2          |
| 8                  | PAOZZ              | 8V613       | 7-311511122-9      | • Spacer, Sleeve .....                                                                                          | 1          |
| 9                  | PAOZZ              | 8V613       | 7-311511122-7      | • Spacer, Sleeve .....                                                                                          | 1          |
| 10                 | PAOZZ              | 8V613       | 7-211511177-3      | • Washer, Flat .....                                                                                            | 3          |
| 11                 | PAOZZ              | 8V613       | 7-211511133-3      | • Bolt, Self-Locking .....                                                                                      | 2          |
| 12                 | PAOZZ              | 96906       | MS21224-9          | • Nut, Self-Locking, As .....                                                                                   | 4          |
| 13                 | PAOZZ              | 96906       | MS27576-9-26       | • Bolt, Close Toleranc .....                                                                                    | 2          |
| 14                 | PAOZZ              | 80205       | NAS1149F0932P      | • Washer, Flat .....                                                                                            | V          |
| 15                 | PAOZZ              | 8V613       | 7-311511155-7      | • Bushing, Sleeve .....                                                                                         | 2          |
| 16                 | PAOFF              | 8V613       | 7-311511130-15     | • Connecting Link, Rig .....                                                                                    | 2          |
| 17                 | PAFZZ              | 8V613       | 7-211511168        | • • Bearing, Plain, Self- .....                                                                                 | 2          |
| 18                 | PAOZZ              | 8V613       | 7-311511122-5      | • Spacer, Sleeve .....                                                                                          | 1          |
| 19                 | PAOZZ              | 8V613       | 7-311511155-9      | • Bushing, Sleeve .....                                                                                         | 1          |
| 20                 | PAODD              | 8V613       | 7-311511127-7      | • Bell Crank .....                                                                                              | 1          |
| 21                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....                                                                                  | 1          |
| 22                 | PAFZZ              | 8V613       | 7-311511202-13     | • • Bushing, Sleeve .....                                                                                       | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                 |            |

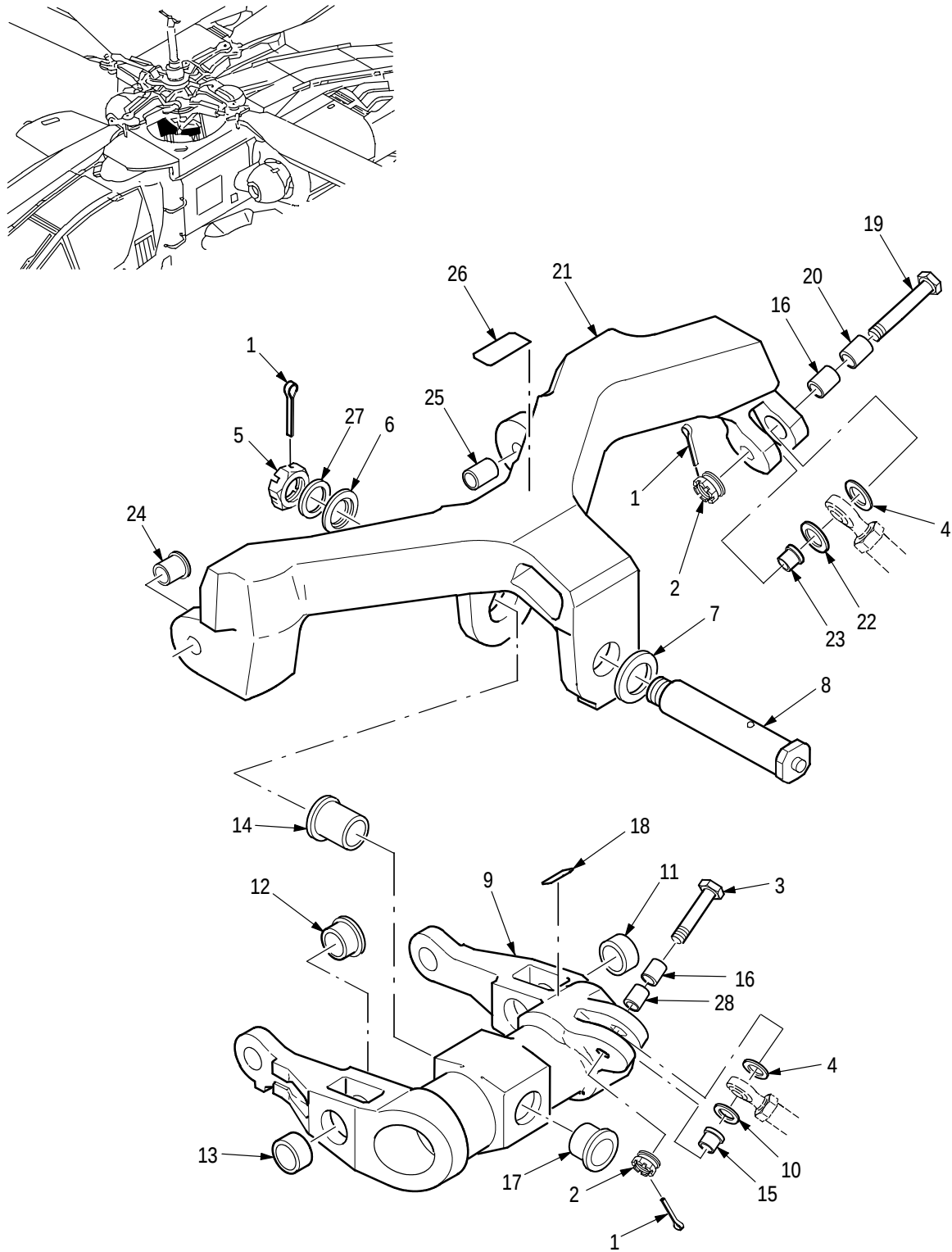




M09-950B

Figure 590. Group 11 Rotor Controls, Upper Main (AFT Longitudinals)  
7-311511100

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                 | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 590 Rotor Controls, Upper Main<br>(AFT Longitudinals)<br>7-311511100 |            |
| 1                  | PAOZZ              | 96906       | MS24665-377        | • Pin, Cotter .....                                                                                         | 4          |
| 2                  | PAOZZ              | 96906       | MS21224-9          | • Nut, Self-Locking, As .....                                                                               | 2          |
| 3                  | PAOZZ              | 96906       | MS27576-9-32       | • Bolt, Close Toleranc .....                                                                                | 2          |
| 4                  | PAOZZ              | 80205       | NAS1149F0932P      | • Washer, Flat .....                                                                                        | V          |
| 5                  | PAOZZ              | 8V613       | 7-311511155-5      | • Bushing, Sleeve .....                                                                                     | 2          |
| 6                  | PAOZZ              | 8V613       | 7-211511216-9      | • Washer, Flat .....                                                                                        | 2          |
| 7                  | PAOFF              | 8V613       | 7-311511130-15     | • Connecting Link, Rig .....                                                                                | 2          |
| 8                  | PAFZZ              | 8V613       | 7-211511168        | • • Bearing, Plain, Self- .....                                                                             | 2          |
| 9                  | PAOZZ              | 96906       | MS17826-16         | • Nut, Self-Locking, Sl .....                                                                               | 2          |
| 10                 | PAOZZ              | 96906       | MS21206-16         | • Washer, Flat .....                                                                                        | 2          |
| 11                 | PAOZZ              | 8V613       | 7-211511209-3      | • Bolt, Internally Rel .....                                                                                | 2          |
| 12                 | PAOZZ              | 88044       | AN960-1616L        | • Washer, Flat .....                                                                                        | V          |
| 13                 | PAOZZ              | 8V613       | 7-311511122-3      | • Spacer, Sleeve .....                                                                                      | 2          |
| 14                 | PAOZZ              | 8V613       | 7-311511210-5      | • Bushing, Sleeve .....                                                                                     | 2          |
| 15                 | PAOFF              | 8V613       | 7-311511125-17     | • Bell Crank .....                                                                                          | 1          |
| 16                 | PAFZZ              | 02731       | HS5507-23          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511207-5) .....                                       | 2          |
| 16                 | PAFZZ              | 02731       | HS5507-24          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511207-5) .....                                       | 2          |
| 16                 | PAFZZ              | 8V613       | 7-311511207-5      | • • Bushing, Sleeve .....                                                                                   | 2          |
| 17                 | PAFZZ              | 02731       | HS5504-15          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-19) .....                                      | 2          |
| 17                 | PAFZZ              | 02731       | HS5504-16          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-19) .....                                      | 2          |
| 17                 | PAFZZ              | 8V613       | 7-311511202-19     | • • Bushing, Sleeve .....                                                                                   | 2          |
| 18                 | PAFZZ              | 02731       | HS5443-1           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511146) .....                                         | 2          |
| 18                 | PAFZZ              | 02731       | HS5443-2           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511146) .....                                         | 2          |
| 18                 | PAFZZ              | 8V613       | 7-211511146        | • • Bearing, Sleeve .....                                                                                   | 2          |
| 19                 | PAFZZ              | 02731       | HS5445-1           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511147) .....                                         | 4          |
| 19                 | PAFZZ              | 02731       | HS5445-2           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511147) .....                                         | 2          |
| 19                 | PAFZZ              | 8V613       | 7-211511147        | • • Bearing, Sleeve .....                                                                                   | 4          |
| 20                 | PAFZZ              | 02731       | HS5443-3           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511148) .....                                         | 2          |
| 20                 | PAFZZ              | 02731       | HS5443-4           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511148) .....                                         | 2          |
| 20                 | PAFZZ              | 8V613       | 7-211511148        | • • Bearing, Sleeve .....                                                                                   | 2          |
| 21                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....                                                                              | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                             |            |



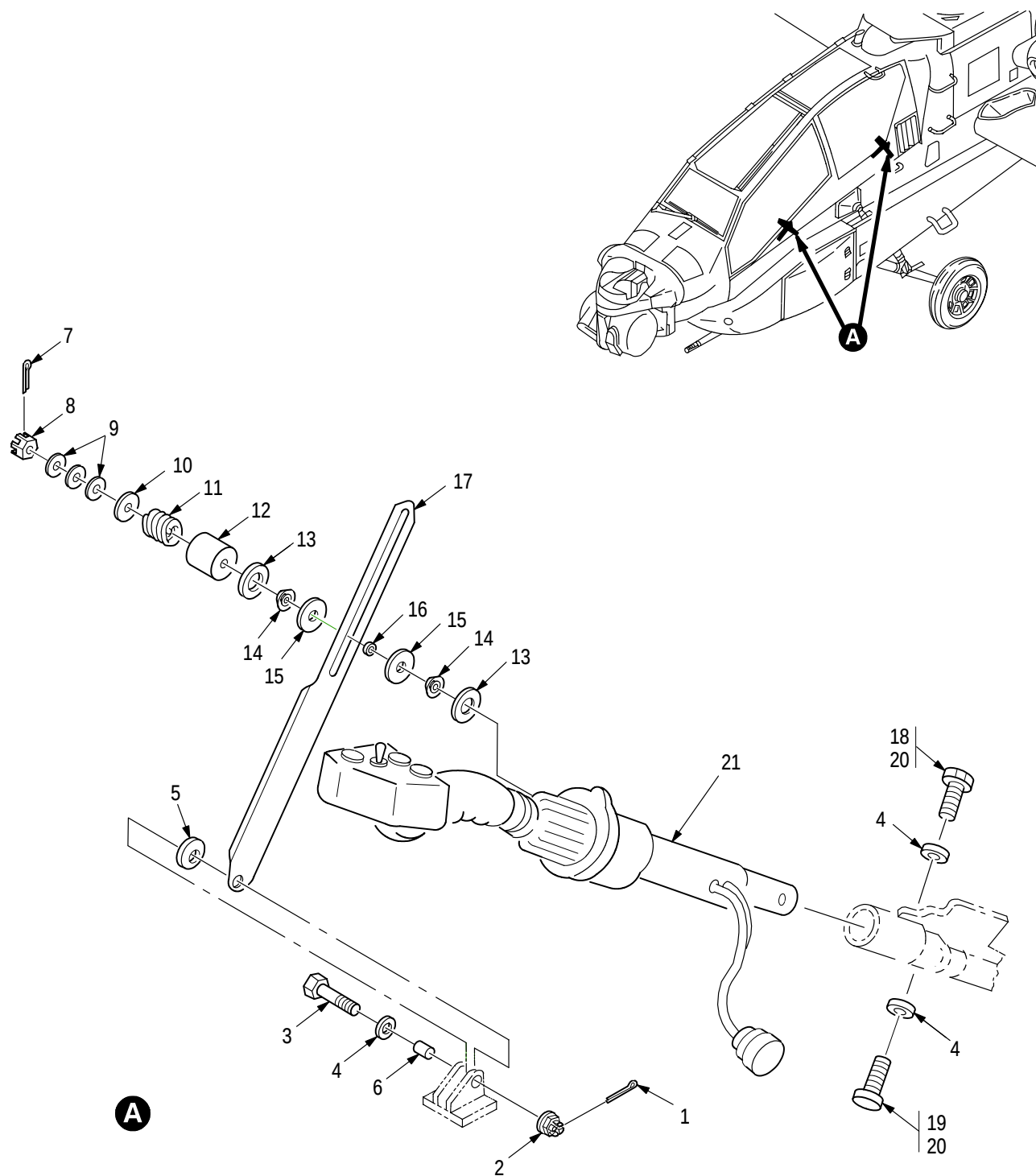
M09-096H

Figure 591. Group 11 Rotor Controls, Upper Main (Collective and Laterals)  
7-311511100

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 591 Rotor Controls, Upper Main<br>(Collective and Laterals)<br>7-311511100 |            |
| 1                  | PAOZZ              | 96906       | MS24665-377        | • Pin, Cotter .....                                                                                               | 3          |
| 2                  | PAOZZ              | 96906       | MS21224-12         | • Nut, Self-Locking, As .....                                                                                     | 2          |
| 3                  | PAOZZ              | 02731       | HS5039-0250        | • Bolt, Close Toleranc .....                                                                                      | 1          |
| 4                  | PAOZZ              | 88044       | AN960-1216L        | • Washer, Flat .....                                                                                              | V          |
| 5                  | PAOZZ              | 96906       | MS17826-20         | • Nut, Self-Locking, SI .....                                                                                     | 1          |
| 6                  | PAOZZ              | 8V613       | 7-211511217        | • Washer, Recessed .....                                                                                          | 1          |
| 7                  | PAOZZ              | 8V613       | 7-211511216        | • Washer, Flight Contr .....                                                                                      | 1          |
| 8                  | PAOZZ              | 8V613       | 7-211511134-3      | • Bolt, Rotor Controls .....                                                                                      | 1          |
| 9                  | PAODD              | 8V613       | 7-311511117-13     | • Bell Crank Collective .....                                                                                     | 1          |
| 10                 | PAOZZ              | 8V613       | 7-211511216-13     | • • Washer, Flat .....                                                                                            | 1          |
| 11                 | PAFZZ              | 02731       | HS5504-23          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-11) .....                                            | 1          |
| 11                 | PAFZZ              | 02731       | HS5504-24          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-11) .....                                            | 1          |
| 11                 | PAFZZ              | 8V613       | 7-311511202-11     | • • Bushing, Sleeve .....                                                                                         | 1          |
| 12                 | PAFZZ              | 02731       | HS5443-7           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N HS4618-26C031B) .....                                            | 1          |
| 12                 | PAFZZ              | 02731       | HS4618-26C031B     | • • Bearing, Sleeve .....                                                                                         | 1          |
| 12                 | PAFZZ              | 02731       | HS5443-8           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N HS4618-26C031B) .....                                            | 1          |
| 13                 | PAFZZ              | 02731       | HS5443-5           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N HS4618-26C023B) .....                                            | 1          |
| 13                 | PAFZZ              | 02731       | HS4618-26C023B     | • • Bearing, Sleeve .....                                                                                         | 1          |
| 13                 | PAFZZ              | 02731       | HS5443-6           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N HS4618-26C023B) .....                                            | 1          |
| 14                 | PAFZZ              | 02731       | HS5513-3           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-311511118-5) .....                                             | 1          |
| 14                 | PAFZZ              | 02731       | HS5513-4           | • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-311511118-5) .....                                             | 1          |
| 14                 | PAFZZ              | 8V613       | 7-311511118-5      | • • Bearing, Sleeve .....                                                                                         | 1          |
| 15                 | PAFZZ              | 02731       | HS5508-11          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511120) .....                                               | 1          |
| 15                 | PAFZZ              | 02731       | HS5508-12          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511120) .....                                               | 1          |
| 15                 | PAFZZ              | 8V613       | 7-311511120        | • • Bushing, Sleeve .....                                                                                         | 1          |
| 16                 | PAFZZ              | 8V613       | 7-311511202-13     | • • Bushing, Sleeve .....                                                                                         | 1          |
| 17                 | PAFZZ              | 8V613       | 7-311511118-3      | • • Bearing, Sleeve .....                                                                                         | 1          |
| 18                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....                                                                                    | 1          |
| 19                 | PAOZZ              | 02731       | HS5039-0257        | • Bolt, Close Toleranc .....                                                                                      | 1          |
| 20                 | PAOZZ              | 8V613       | 7-311511155-17     | • Bushing, Main Rotor .....                                                                                       | 1          |
| 21                 | PAODD              | 8V613       | 7-311511123-17     | • Bell Crank .....                                                                                                | 1          |
| 22                 | PAOZZ              | 8V613       | 7-211511216-13     | • • Washer, Flat .....                                                                                            | 1          |
| 23                 | PAFZZ              | 02731       | HS5507-19          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511203-7) .....                                             | 1          |
| 23                 | PAFZZ              | 02731       | HS5507-20          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511203-7) .....                                             | 1          |
| 23                 | PAFZZ              | 8V613       | 7-311511203-7      | • • Bushing, Sleeve .....                                                                                         | 1          |
| 24                 | PAFZZ              | 02731       | HS5507-15          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511208) .....                                               | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------|------------|
| 24                 | PAFZZ              | 02731       | HS5507-16          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511208) .....    | 1          |
| 24                 | PAFZZ              | 8V613       | 7-311511208        | • • Bushing, Sleeve .....                                              | 2          |
| 25                 | PAFZZ              | 02731       | HS5504-17          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-21) ..... | 1          |
| 25                 | PAFZZ              | 02731       | HS5504-18          | • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311511202-21) ..... | 1          |
| 25                 | PAFZZ              | 8V613       | 7-311511202-21     | • • Bushing, Sleeve .....                                              | 2          |
| 26                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....                                         | 1          |
| 27                 | PAOZZ              | 88044       | AN960-2016         | • Washer, Flat .....                                                   | 1          |
| 28                 | PAFZZ              | 8V613       | 7-311511155-13     | • Bushing, Sleeve .....                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                        |            |



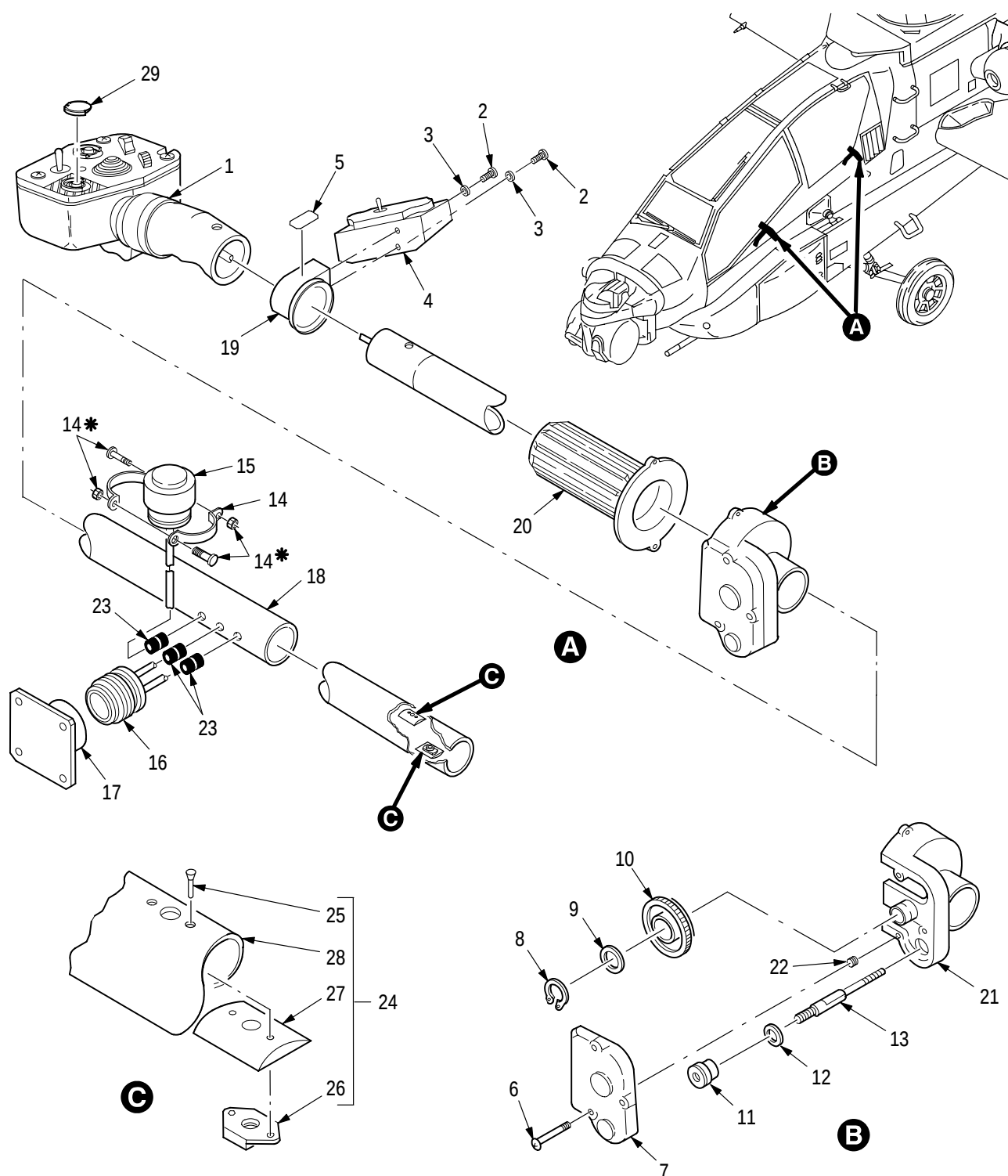


M09-956C

Figure 592. Group 11 Stick Installation, Collective  
 7-311512000 (Pilot)  
 7-311513000 (Copilot/Gunner)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 592 Stick Installation, Collective<br>7-311512000 (Pilot)<br>7-311513000 (Copilot/Gunner) |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                              | 2          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                    | 1          |
| 3                  | PAOZZ              | 96906       | MS27576-4-08       | • Bolt, Close Toleranc .....                                                                                                     | 1          |
| 4                  | PAOZZ              | 80205       | NAS1149D0416K      | • Washer, Flat .....                                                                                                             | 5          |
| 5                  | PAOZZ              | 80205       | NAS1149D0663J      | • Washer, Flat .....                                                                                                             | 1          |
| 6                  | PAOZZ              | 02731       | HS5542-04022       | • Bushing, Sleeve .....                                                                                                          | 1          |
| 7                  | PAOZZ              | 80205       | MS24665-88         | • Pin, Cotter .....                                                                                                              | 1          |
| 8                  | PAOZZ              | 96906       | MS17826-4          | • Nut, Self-Locking, SI .....                                                                                                    | 1          |
| 9                  | PAOZZ              | 80205       | NAS1149C0432R      | • Washer, Flat .....                                                                                                             | V          |
| 10                 | PAOZZ              | 8V613       | 7-115112042-3      | • Washer, Flat .....                                                                                                             | 1          |
| 11                 | PAOZZ              | 8V613       | 7-115112044-3      | • Spring, Helical, Comp .....                                                                                                    | 1          |
| 12                 | PAOZZ              | 8V613       | 7-115112043-3      | • Retainer, Helical Co .....                                                                                                     | 1          |
| 13                 | PAOZZ              | 8V613       | 7-311512112-3      | • Washer, Concave .....                                                                                                          | 2          |
| 14                 | PAOZZ              | 8V613       | 7-311512112-5      | • Washer, Shouldered A .....                                                                                                     | 2          |
| 15                 | PAOZZ              | 8V613       | 7-311512111        | • Washer, Flat .....                                                                                                             | 2          |
| 16                 | PAOZZ              | 8V613       | 7-311512113        | • Bushing, Sleeve .....                                                                                                          | 1          |
| 17                 | PAOZZ              | 8V613       | 7-311512016-3      | • Guide, Friction Adju .....                                                                                                     | 1          |
| 18                 | PAOZZ              | 80205       | NAS6604H5          | • Bolt, Shear .....                                                                                                              | 1          |
| 19                 | PAOZZ              | 80205       | NAS6604-5          | • Bolt, Shear .....                                                                                                              | 1          |
| 20                 | PAOZZ              | 80205       | NAS6604H4          | • Bolt, Shear .....                                                                                                              | 2          |
| 21                 | PAOFF              | 8V613       | 7-311512001-3      | • Control Stick, Aircr (See Fig. 593 for Breakdown) .....                                                                        | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                  |            |



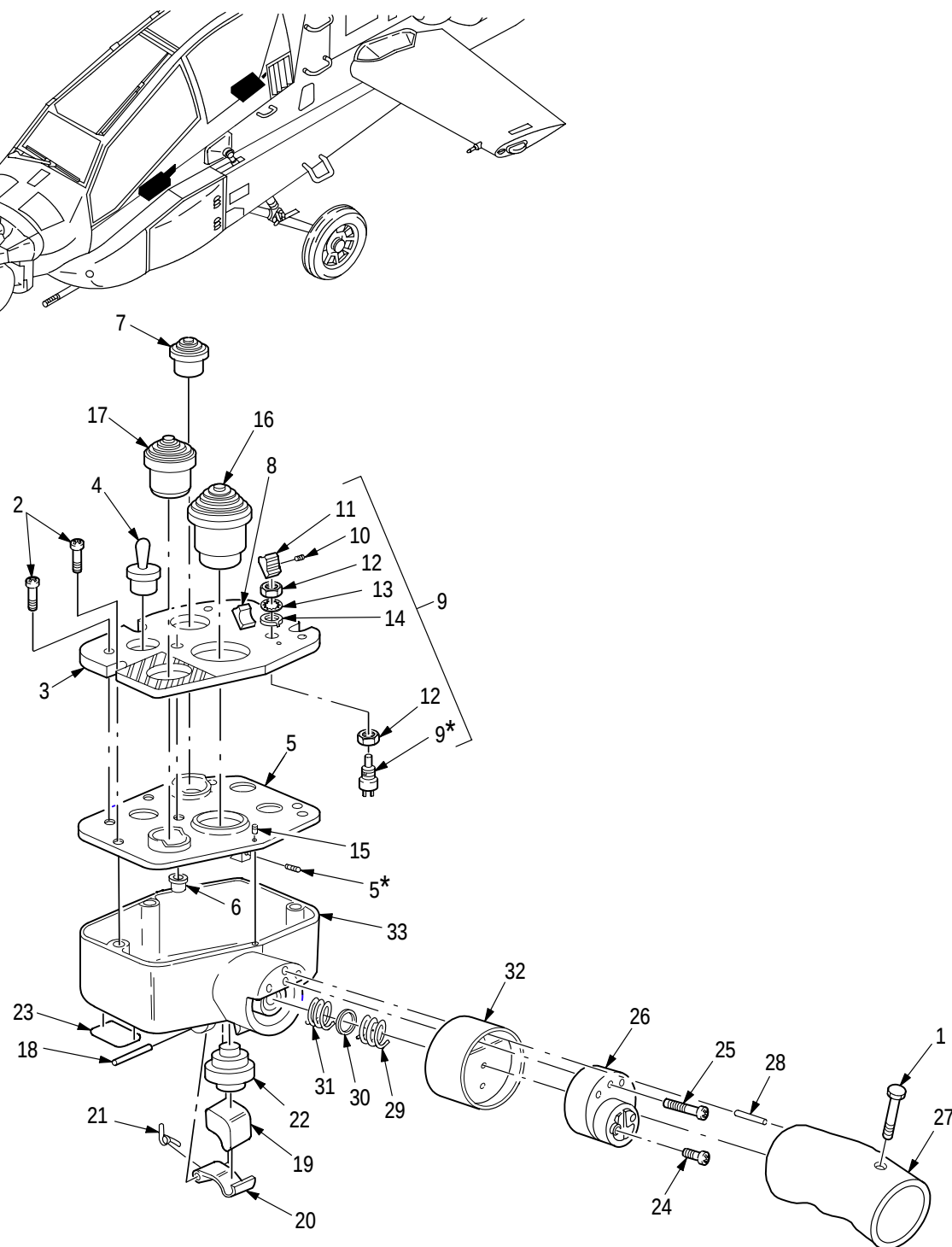


\* SUPPLIED WITH ATTACHED ITEM

M09-090F

Figure 593. Group 11 Control Stick, Aircraft (Pilot and Copilot/Gunner)  
7-311512001-3

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                               | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 593 Control Stick, Aircraft<br>(Pilot and Copilot/Gunner)<br>7-311512001-3<br>See Fig. 592 for NHA |            |
| 1                  | PAOOO              | 8V613       | 7-211512007-101    | • Grip Assembly, Contr (See Fig. 594 for Breakdown) . . . . .                                                                             | 1          |
| 2                  | PAOZZ              | 88044       | AN503-6-6          | • Screw, Machine . . . . .                                                                                                                | 2          |
| 3                  | PAOZZ              | 96906       | MS35338-41         | • Washer, Lock . . . . .                                                                                                                  | 2          |
| 4                  | XDOOO              | 8V613       | 7-311D10015        | • Switch Assembly (See Fig. 595 for Breakdown) . . . . .                                                                                  | 1          |
| 5                  | XDFZZ              | 8V613       | 7-211512075        | • Decal . . . . .                                                                                                                         | 1          |
| 6                  | PAFZZ              | 96906       | MS21097-04010      | • Bolt, Close Toleranc . . . . .                                                                                                          | 3          |
| 7                  | PAFZZ              | 8V613       | 7-211512072        | • Cover, Support, Frict . . . . .                                                                                                         | 1          |
| 8                  | PAFZZ              | 96906       | MS16624-4046       | • Ring, Retaining . . . . .                                                                                                               | 1          |
| 9                  | PAFZZ              | 80205       | NAS1149D0816K      | • Washer, Flat . . . . .                                                                                                                  | 1          |
| 9                  | PAFZZ              | 80205       | NAS1149C0863R      | • Washer, Flat . . . . .                                                                                                                  | 1          |
| 9                  | PAFZZ              | 88044       | AN960C816L         | • Washer, Flat . . . . .                                                                                                                  | 1          |
| 10                 | PAFZZ              | 8V613       | 7-211512079        | • Gear Cluster . . . . .                                                                                                                  | 1          |
| 11                 | PAFZZ              | 8V613       | 7-211512069        | • Gear, Spur . . . . .                                                                                                                    | 1          |
| 12                 | PAFZZ              | 02731       | HS306A34H          | • Washer, Flat . . . . .                                                                                                                  | 1          |
| 13                 | PAFZZ              | 8V613       | 7-211512070-3      | • Shaft, Friction Coll . . . . .                                                                                                          | 1          |
| 14                 | PAOZZ              | 81349       | M85049/49-2-16W    | • Clamp, Cable, Electri . . . . .                                                                                                         | 1          |
| 15                 | PAOZZ              | 96906       | MS27467T17B8P      | • Connector, Plug, Elec . . . . .                                                                                                         | 1          |
| 16                 | PAFZZ              | 96906       | MS27467T21B41PN    | • Connector, Plug, Elec . . . . .                                                                                                         | 1          |
| 17                 | XDFZZ              | 81349       | M85049/27-20W      | • Backshell . . . . .                                                                                                                     | 1          |
| 18                 | PAFFF              | 8V613       | 7-311512004        | • Tube Assy, Collectiv . . . . .                                                                                                          | 1          |
| 19                 | PAFZZ              | 8V613       | 7-311512078        | • Retainer, Rotor Cont . . . . .                                                                                                          | 1          |
| 20                 | PAFZZ              | 8V613       | 7-211512077        | • Handle, Gear, Flight . . . . .                                                                                                          | 1          |
| 21                 | PAFFF              | 8V613       | 7-311512076        | • Housing Assy, Rotor . . . . .                                                                                                           | 1          |
| 22                 | PAFZZ              | 96906       | MS51830-102        | • Insert, Screw Thread . . . . .                                                                                                          | 3          |
| 23                 | PAFZZ              | 80205       | NAS557-6C          | • Grommet, Nonmetallic . . . . .                                                                                                          | 3          |
| 24                 | PAFFF              | 8V613       | 7-211512034-3      | • Control Rod . . . . .                                                                                                                   | 1          |
| 25                 | PAFZZ              | 02731       | HS4463-3-312       | • Rivet, Blind . . . . .                                                                                                                  | 4          |
| 26                 | PAFZZ              | 96906       | MS21075L4E         | • Nut, Self-Locking, Pl . . . . .                                                                                                         | 2          |
| 27                 | XAFZZ              | 8V613       | 7-211512034-5      | • Plate . . . . .                                                                                                                         | 2          |
| 28                 | XAFZZ              | 8V613       | 7-211512034        | • Tube . . . . .                                                                                                                          | 1          |
| 29                 | PAOZZ              | 81996       | FCH0002121         | • Cover, Access . . . . .                                                                                                                 | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                           |            |

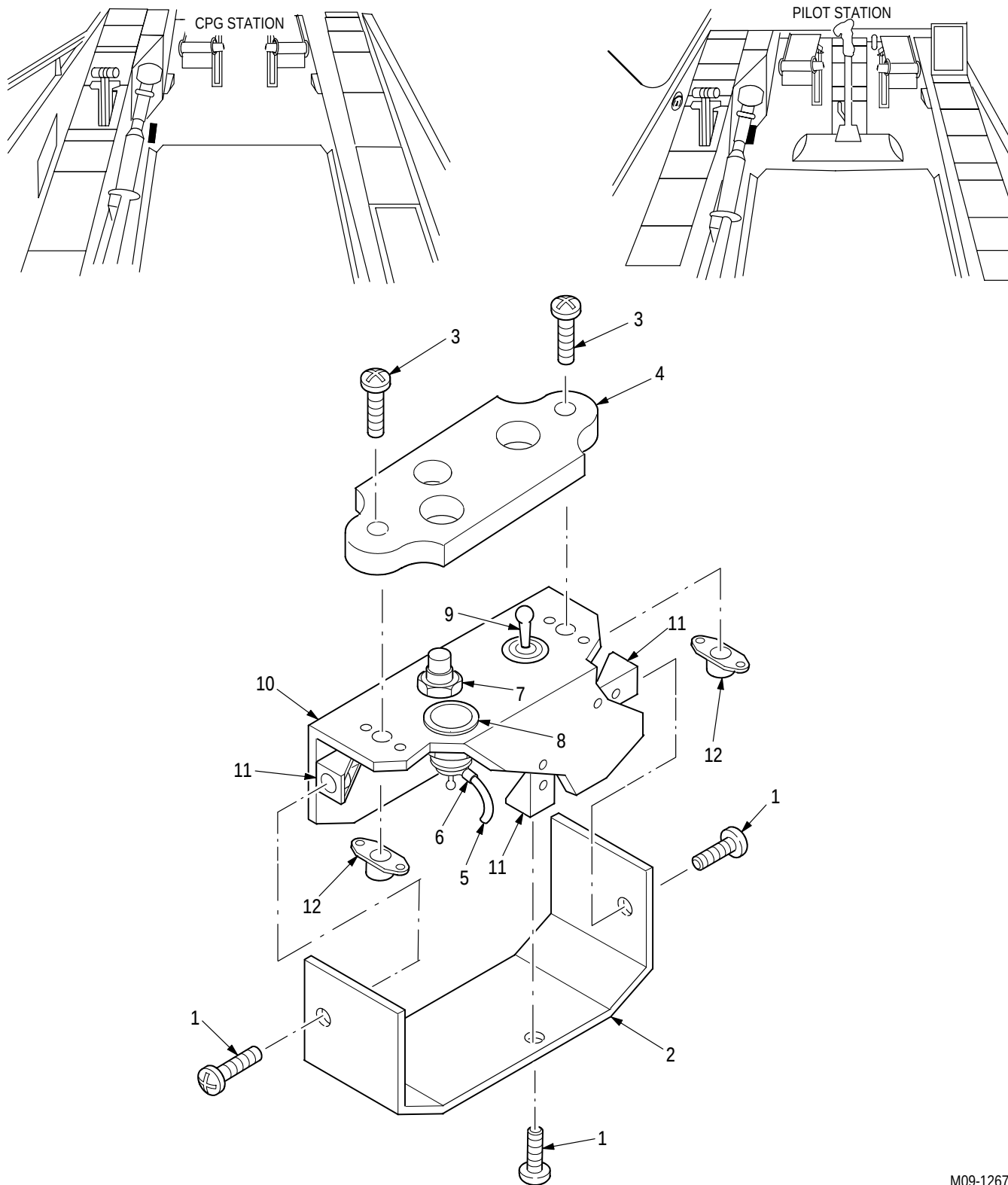


\*SUPPLIED WITH ATTACHED ITEM

M09-655D

Figure 594. Group 11 Grip Assembly, Control, Collective Stick (Pilot and Copilot/Gunner)  
7-211512007-101

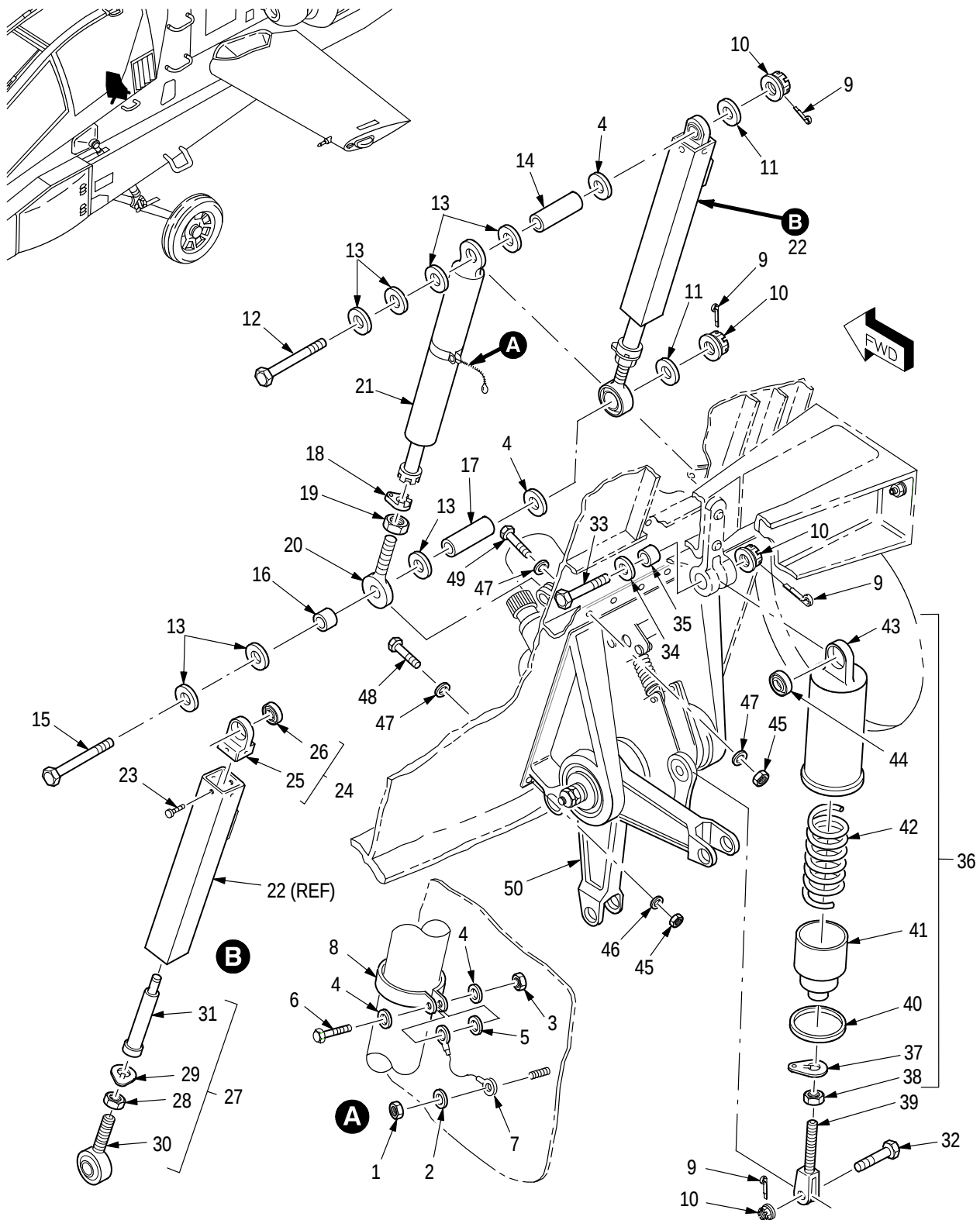
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 594 Grip Assembly, Control,<br>Collective Stick (Pilot and Copilot/Gunner)<br>7-211512007-101<br>See Fig. 593 for NHA |            |
| 1                  | PAOZZ              | 81579       | 724-277-1          | • Bolt, Grip Control .....                                                                                                                                   | 1          |
| 2                  | PAOZZ              | 96906       | MS51957-29B        | • Screw, Machine .....                                                                                                                                       | 6          |
| 3                  | PAOZZ              | 81579       | 724-0103-01        | • Panel, Indicating, Li .....                                                                                                                                | 1          |
| 4                  | PAOZZ              | 96906       | MS90310-311        | • Switch, Toggle .....                                                                                                                                       | 1          |
| 5                  | PAOZZ              | 81579       | 724-0103-3         | • Plate, Switch, Grip C .....                                                                                                                                | 1          |
| 6                  | PAOZZ              | 96906       | MS90335-6          | • Connector, Receptacl .....                                                                                                                                 | 1          |
| 7                  | PAOZZ              | 96906       | MS25089-1A         | • Switch, Push .....                                                                                                                                         | 1          |
| 8                  | PAOZZ              | 81579       | 997-0166           | • Switch, Toggle .....                                                                                                                                       | 1          |
| 9                  | PAOOO              | 81579       | 997-0034           | • Switch, Toggle .....                                                                                                                                       | 1          |
| 10                 | PAOZZ              | 96906       | MS51963-3          | • • Setscrew .....                                                                                                                                           | 1          |
| 11                 | PAOZZ              | 81579       | STD653-1           | • • Knob .....                                                                                                                                               | 1          |
| 12                 | XDOZZ              | 96906       | MS25082-8          | • • Nut, Hex .....                                                                                                                                           | 2          |
| 13                 | PAOZZ              | 96906       | MS35333-121        | • • Washer, Lock .....                                                                                                                                       | 1          |
| 14                 | XDOZZ              | 96906       | MS25081-4          | • • Washer, Key .....                                                                                                                                        | 1          |
| 15                 | PAOZZ              | 96906       | MS51963-11         | • Setscrew .....                                                                                                                                             | 1          |
| 16                 | PAOZZ              | 81579       | 400-4330           | • Switch, Toggle .....                                                                                                                                       | 1          |
| 17                 | PAOZZ              | 81579       | STD959-27          | • Switch, Push .....                                                                                                                                         | 1          |
| 18                 | PAOZZ              | 81579       | 724-244-1          | • Pin, Grip Control .....                                                                                                                                    | 1          |
| 19                 | PAOZZ              | 81579       | 724-223-1          | • Trigger, Grip Contro .....                                                                                                                                 | 1          |
| 20                 | PAOZZ              | 81579       | 724-216-1          | • Guard, Grip Control .....                                                                                                                                  | 1          |
| 21                 | PAOZZ              | 81579       | 724-231-1          | • Spring, Grip Control .....                                                                                                                                 | 1          |
| 22                 | PAOZZ              | 81579       | STD979-14          | • Switch, Push .....                                                                                                                                         | 1          |
| 23                 | XDOZZ              | 81579       | 724-0101-9         | • Plate, Ident .....                                                                                                                                         | 1          |
| 24                 | PAOZZ              | 96906       | MS51957-33B        | • Screw, Machine .....                                                                                                                                       | 2          |
| 25                 | PAOZZ              | 96906       | MS51959-34B        | • Screw, Machine .....                                                                                                                                       | 3          |
| 26                 | PAOZZ              | 81579       | 724-0101-04        | • Switch and Bracket .....                                                                                                                                   | 1          |
| 27                 | PAOZZ              | 81579       | 724-0101-05        | • Grip, Control .....                                                                                                                                        | 1          |
| 28                 | PAOZZ              | 96906       | MS16555-624        | • Pin, Straight, Headle .....                                                                                                                                | 1          |
| 29                 | PAOZZ              | 84830       | LC038G1SS          | • Spring, Compression .....                                                                                                                                  | 1          |
| 30                 | PAOZZ              | 81579       | 724-0101-5         | • Washer, Grip Control .....                                                                                                                                 | 1          |
| 31                 | PAOZZ              | 81579       | 724-0101-2         | • Spring, Grip Control .....                                                                                                                                 | 1          |
| 32                 | PAOZZ              | 81579       | 724-0101-03        | • Collar, Grip Control .....                                                                                                                                 | 1          |
| 33                 | PAOZZ              | 81579       | 724-0101-02        | • Grip, Control .....                                                                                                                                        | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                              |            |



M09-1267

Figure 595. Group 11 Switch Assembly, Stabilator, Manual  
7-311D10015

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 595 Switch Assembly, Stabilator, Manual<br>7-311D10015<br>See Fig. 593 for NHA |            |
| 1                  | PAOZZ              | 80205       | NAS600-3B          | • Screw, Machine .....                                                                                                | 3          |
| 2                  | XAOZZ              | 8V613       | 7-311D10016-5      | • Cover, Manual Switch .....                                                                                          | 1          |
| 3                  | PAOZZ              | 80205       | NAS601-10P         | • Screw, Machine .....                                                                                                | 2          |
| 4                  | PAOZZ              | 8V613       | 7-311D10013        | • Panel, Indicating, Li .....                                                                                         | 1          |
| 5                  | XDOOO              | 8V613       | 7-311B24648-003    | • Harness .....                                                                                                       | 1          |
| 6                  | PAOZZ              | 96906       | MS25036-148        | • • Terminal, Lug .....                                                                                               | 1          |
| 7                  | PAOZZ              | 81349       | M8805/96-009       | • Switch, Push .....                                                                                                  | 1          |
| 8                  | PAOZZ              | 96906       | MS90335-3          | • Connector, Receptacl .....                                                                                          | 1          |
| 9                  | PAOZZ              | 96906       | MS90310-271        | • Switch, Toggle .....                                                                                                | 1          |
| 10                 | XAOZZ              | 8V613       | 7-311D10014-7      | • Channel Assy .....                                                                                                  | 1          |
| 11                 | PAOZZ              | 02731       | HS4177-04          | • • Nut, Self-Locking, Pl .....                                                                                       | 3          |
| 12                 | PAOZZ              | 80205       | MS21075L06N        | • • Nut, Self-Locking, Pl .....                                                                                       | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                       |            |



M09-656K

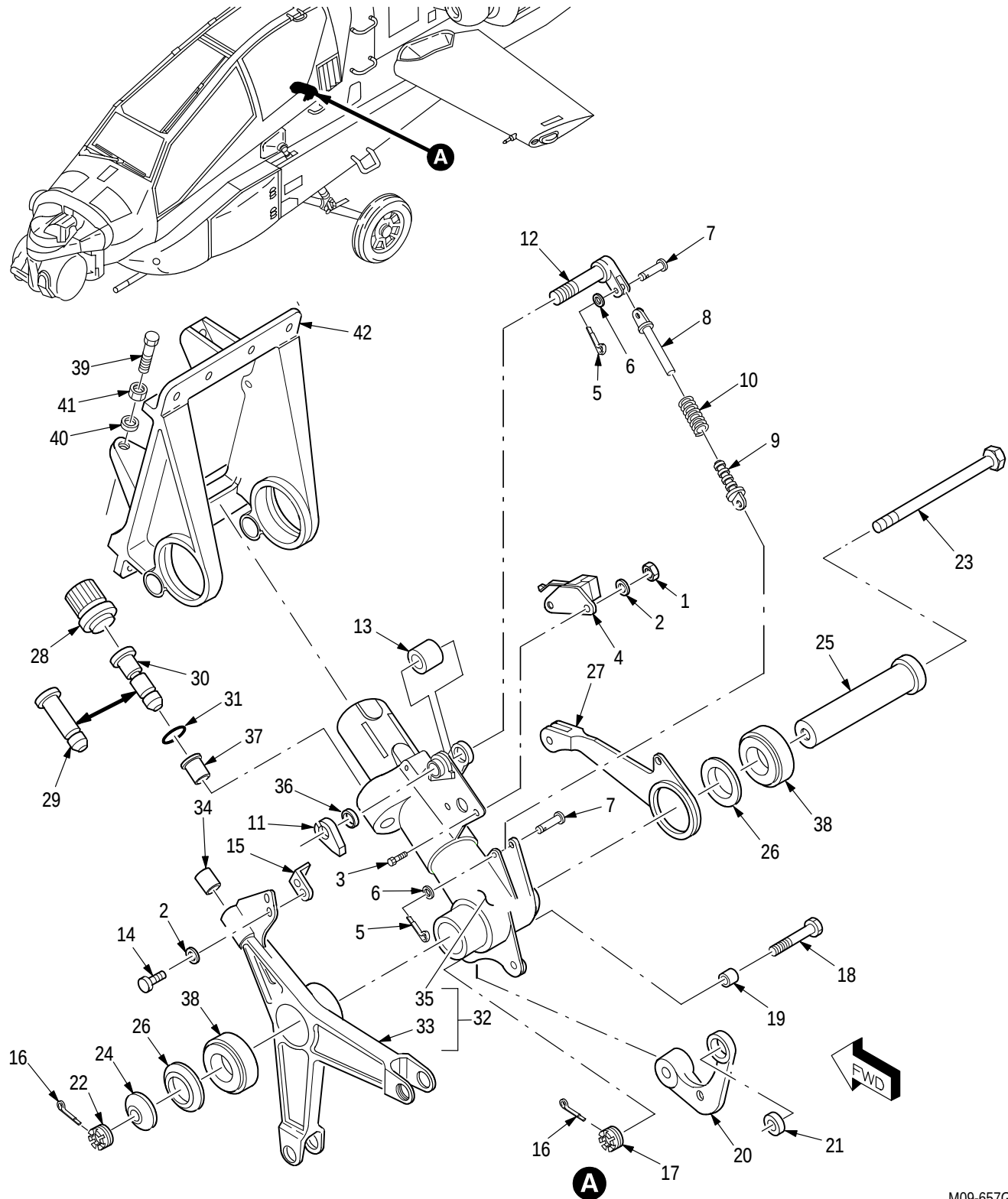
Figure 596. Group 11 Stick Installation, Pilot Collective (Support)  
7-311512000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                 | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 596 Stick Installation, Pilot<br>Collective (Support)<br>7-311512000 |            |
| 1                  | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                                               | 1          |
| 2                  | PAOZZ              | 80205       | NAS1149DN616J      | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                        | 1          |
| 3                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                                               | 1          |
| 4                  | PAOZZ              | 80205       | NAS1149D0332K      | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                        | 4          |
| 5                  | PAOZZ              | 80205       | NAS1149D0363K      | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                        | 1          |
| 6                  | PAOZZ              | 80205       | NAS603-7P          | • Screw, Machine (Usbl Eff 88-0200 and Subs) . . . . .                                                      | 1          |
| 7                  | PAOZZ              | 96906       | MS25083-2AB5       | • Lead, Electrical (Usbl Eff 88-0200 and Subs) . . . . .                                                    | 1          |
| 8                  | PAOZZ              | 81343       | SAE-AS-7351        | • Clamp, Loop (Usbl Eff 88-0200 and Subs) . . . . .                                                         | 1          |
| 9                  | PAOZZ              | 10001       | AN381-2-8          | • Pin, Cotter . . . . .                                                                                     | 4          |
| 10                 | PAOZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As . . . . .                                                                           | 4          |
| 11                 | PAOZZ              | 55284       | 2606588            | • Washer, Flat . . . . .                                                                                    | 2          |
| 12                 | PAOZZ              | 96906       | MS27576-3-27       | • Bolt, Close Toleranc . . . . .                                                                            | 1          |
| 13                 | PAOZZ              | 80205       | NAS1149D0363K      | • Washer, Flat . . . . .                                                                                    | 7          |
| 14                 | PAOZZ              | 02731       | HS5542-03020       | • Bushing, Sleeve . . . . .                                                                                 | 1          |
| 15                 | PAOZZ              | 96906       | MS27576-3-28       | • Bolt, Close Toleranc . . . . .                                                                            | 1          |
| 16                 | PAOZZ              | 02731       | HS5542-04022       | • Bushing, Sleeve . . . . .                                                                                 | 1          |
| 17                 | PAOZZ              | 80205       | NAS43HT3-46        | • Spacer, Sleeve . . . . .                                                                                  | 1          |
| 18                 | PAOZZ              | 80205       | NAS1197-10L        | • Washer, Key . . . . .                                                                                     | 1          |
| 19                 | XDOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon . . . . .                                                                             | 1          |
| 20                 | PAOZZ              | 8V613       | 7-311512096        | • Connector, Rod End . . . . .                                                                              | 1          |
| 21                 | PAOZZ              | 8V613       | 7-115200106-3      | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                                        | 1          |
| 21                 | PAOZZ              | 8V613       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) . . . . .                                                | 1          |
| 22                 | PAOOO              | 8V613       | 7-311660035        | • Transducer, Motional . . . . .                                                                            | 1          |
| 23                 | PAOZZ              | 08815       | 146-0039           | • • Screw, Machine . . . . .                                                                                | 10         |
| 24                 | PAOFF              | 08815       | 9-112-0116         | • • Bearing Unit, Plain . . . . .                                                                           | 1          |
| 25                 | XDOZZ              | 08815       | 112-0452           | • • • Mounting Plate, Rear . . . . .                                                                        | 1          |
| 26                 | XDFZZ              | 21335       | KS3LFS160          | • • • Bearing, Ball, Airfra . . . . .                                                                       | 1          |
| 27                 | XDOFF              | 08815       | 9-122-0550         | • • Shaft Assembly . . . . .                                                                                | 1          |
| 28                 | PAOZZ              | 96906       | MS9882-10          | • • • Nut, Plain, Hexagon . . . . .                                                                         | 1          |
| 29                 | PAOZZ              | 80205       | NAS513-4           | • • • Washer, Key . . . . .                                                                                 | 1          |
| 30                 | PAOZZ              | 96906       | MS21151-7C         | • • • Bearing, Ball, Rod En . . . . .                                                                       | 1          |
| 31                 | XAFZZ              | 08815       | 122-0969           | • • • Shaft . . . . .                                                                                       | 1          |
| 32                 | PAOZZ              | 96906       | MS27576-3-18       | • Bolt, Close Toleranc . . . . .                                                                            | 1          |
| 33                 | PAOZZ              | 96906       | MS27576-3-16       | • Bolt, Close Toleranc . . . . .                                                                            | 1          |
| 34                 | PAOZZ              | 02731       | HS5079-2346        | • Shim . . . . .                                                                                            | 1          |
| 35                 | XDOZZ              | 02731       | HS5542-03031       | • Bushing, Sleeve . . . . .                                                                                 | 1          |
| 36                 | PAOFF              | 8V613       | 7-311512067-5      | • Cylinder Assembly, A . . . . .                                                                            | 1          |
| 37                 | PAOZZ              | 80205       | NAS513-4           | • • Washer, Key . . . . .                                                                                   | 1          |
| 38                 | XDOZZ              | 80205       | NAS509-4           | • • Nut, Plain, Hexagon . . . . .                                                                           | 1          |
| 39                 | PAOZZ              | 8V613       | 7-311512063-3      | • • Clevis, Rod End . . . . .                                                                               | 1          |
| 40                 | PAFZZ              | 81349       | M27426-3132D       | • • Ring, Retaining . . . . .                                                                               | 1          |
| 41                 | PAFZZ              | 8V613       | 7-311512066-3      | • • Piston, Flight Contr . . . . .                                                                          | 1          |
| 42                 | PAFZZ              | 8V613       | 7-311512065        | • • Spring, Helical, Comp . . . . .                                                                         | 1          |
| 43                 | PAFFF              | 8V613       | 7-311512064        | • • Cylinder Assy, Main . . . . .                                                                           | 1          |
| 44                 | PAFZZ              | 96906       | MS27645-3A         | • • • Bearing, Ball, Airfra . . . . .                                                                       | 1          |
| 45                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex . . . . .                                                                           | 4          |
| 46                 | PAOZZ              | 80205       | NAS1149D0416K      | • Washer, Flat . . . . .                                                                                    | 5          |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------|------------|
| 47                 | PAOZZ              | 80205       | NAS1149D0463K      | • Washer, Flat .....                                                                          | 6          |
| 48                 | PAOZZ              | 80205       | NAS6604H10         | • Bolt, Shear .....                                                                           | 2          |
| 49                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....                                                                           | 2          |
| 50                 | PAOFF              | 8V613       | 7-311512085-11     | • Support Assy, Collec (See Fig. 597 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) .....      | 1          |
| 50                 | PAOFF              | 8V613       | 7-311512085-9      | • Support Asst, Collec (See Fig. 597 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) ..... | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                               |            |

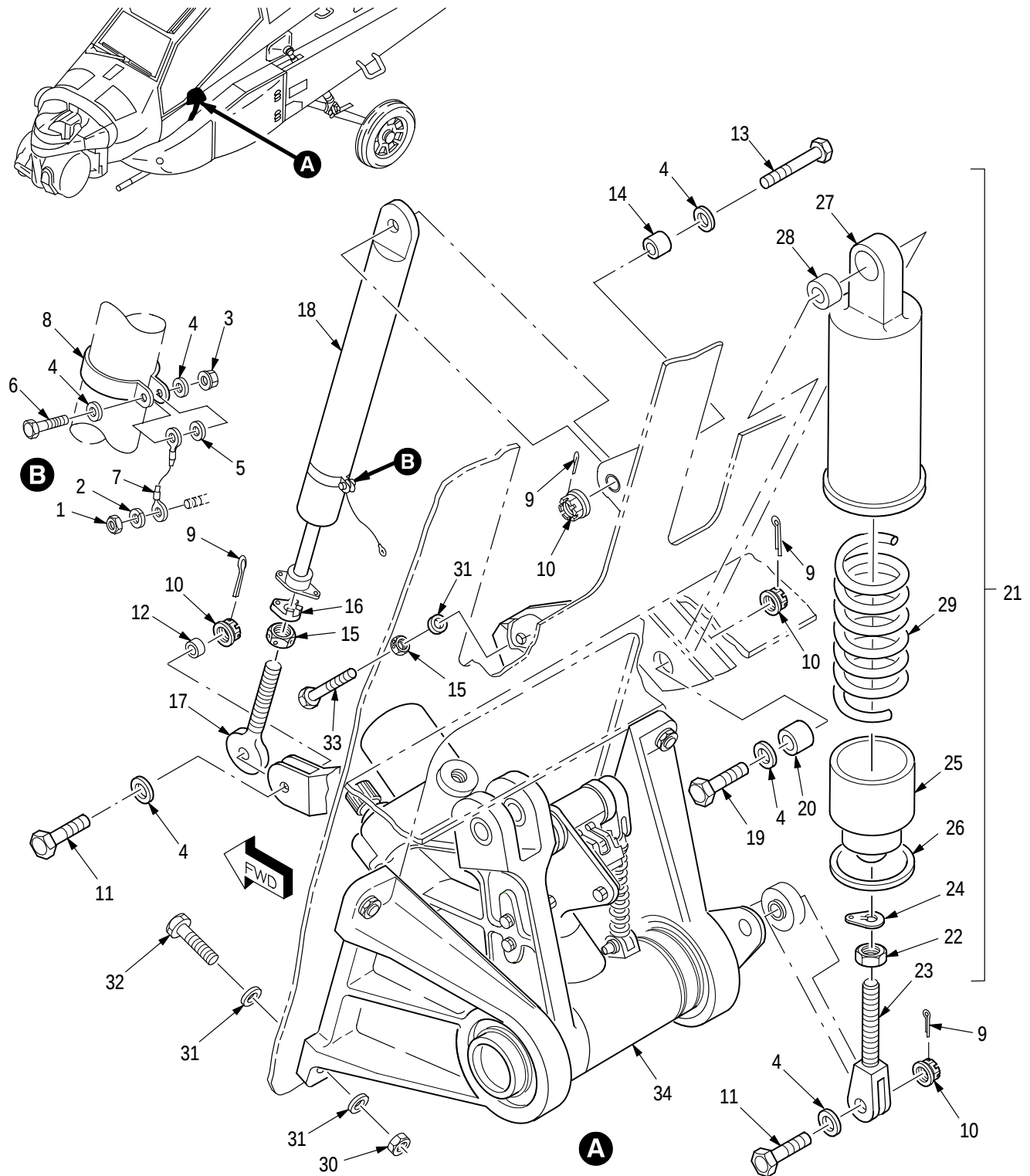




M09-657G

Figure 597. Group 11 Support Assembly, Collective Stick (Pilot)  
 7-311512085-9 (Usbl Eff 82-23355 thru 88-0199)  
 7-311512085-11 (Usbl Eff 88-0200 and Subs)

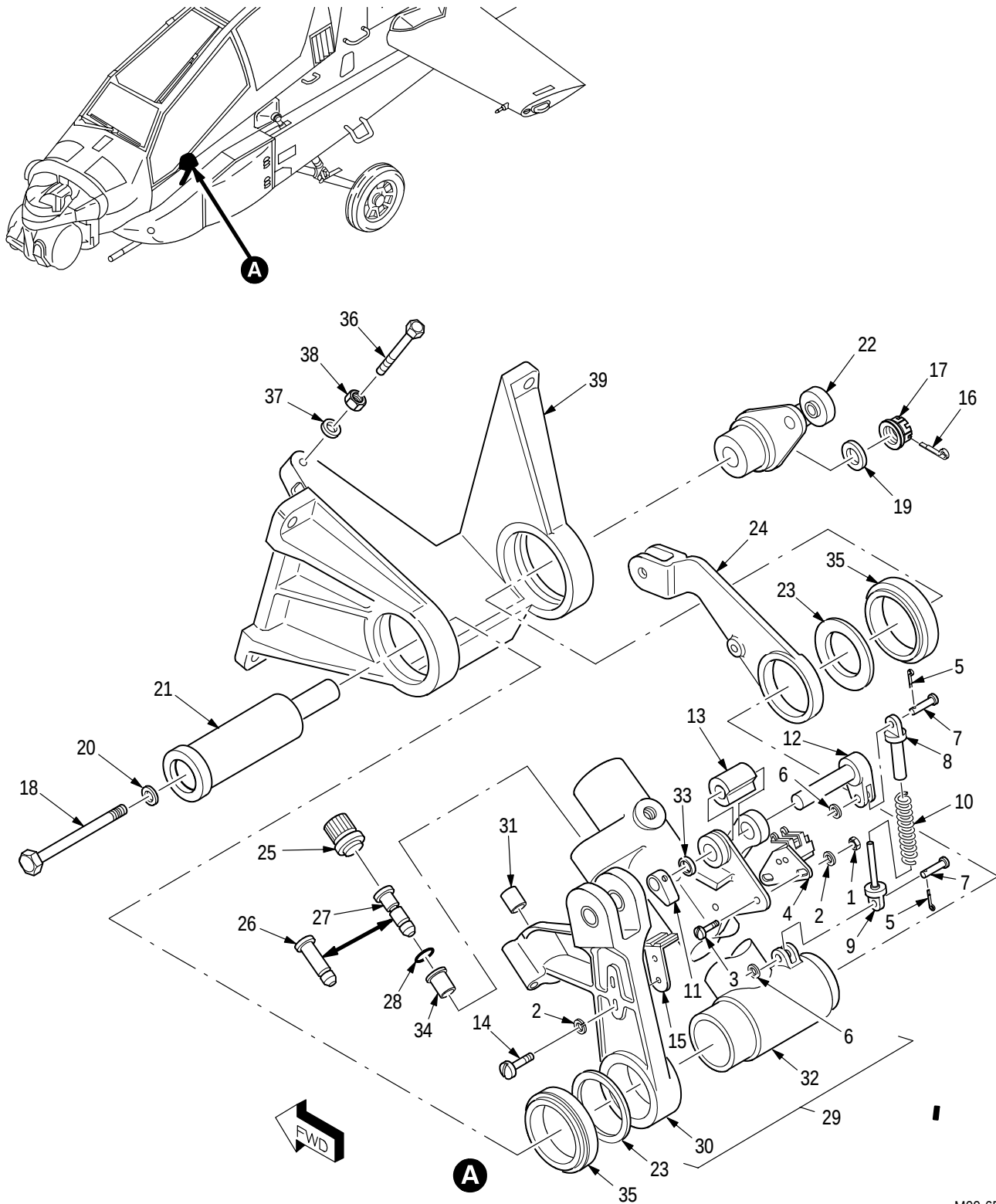
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                                         | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 597 Support Assembly, Collective Stick (Pilot)<br>7-311512085-9<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-311512085-11<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 596 for NHA |            |
| 1                  | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex .....                                                                                                                                                                                       | 2          |
| 2                  | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat .....                                                                                                                                                                                                | 5          |
| 3                  | PAFZZ              | 96906       | MS35275-229        | • Screw, Machine .....                                                                                                                                                                                              | 2          |
| 4                  | PAFZZ              | 8V613       | 7-311514104-13     | • Switch Assy, SPAD (Usbl Eff 82-23355 thru 88-0199) ...                                                                                                                                                            | 1          |
| 4                  | PAFZZ              | 8V613       | 7-311514104-17     | • Switch, Push (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                                    | 1          |
| 5                  | PAFZZ              | 96906       | MS24665-151        | • Pin, Cotter .....                                                                                                                                                                                                 | 2          |
| 6                  | PAFZZ              | 88044       | AN960C4L           | • Washer, Flat .....                                                                                                                                                                                                | 2          |
| 7                  | PAFZZ              | 96906       | MS9462-05          | • Pin, Straight, Headed .....                                                                                                                                                                                       | 2          |
| 8                  | PAFZZ              | 8V613       | 7-311514086        | • Guide, Spring, Extern .....                                                                                                                                                                                       | 1          |
| 9                  | PAFZZ              | 8V613       | 7-311514087        | • Guide, Spring, Intern .....                                                                                                                                                                                       | 1          |
| 10                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp .....                                                                                                                                                                                       | 1          |
| 11                 | PAFZZ              | 8V613       | 7-311514085        | • Shaft, Straight .....                                                                                                                                                                                             | 1          |
| 12                 | PAFZZ              | 8V613       | 7-311514084-3      | • Shaft, Actuator Swit .....                                                                                                                                                                                        | 1          |
| 13                 | PAFZZ              | 8V613       | 7-311514102        | • Cam, Control .....                                                                                                                                                                                                | 1          |
| 14                 | PAFZZ              | 96906       | MS35275-227        | • Screw, Machine .....                                                                                                                                                                                              | 2          |
| 15                 | PAFZZ              | 8V613       | 7-311514103-7      | • Detent, Sweep Lever .....                                                                                                                                                                                         | 1          |
| 16                 | PAFZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                                                                                                 | 2          |
| 17                 | PAFZZ              | 80205       | MS21224-3          | • Nut, Self-Locking, As .....                                                                                                                                                                                       | 1          |
| 18                 | PAFZZ              | 80205       | MS27576-3-17       | • Bolt, Close Toleranc .....                                                                                                                                                                                        | 1          |
| 19                 | PAFZZ              | 02731       | HS5542-03008       | • Bushing, Sleeve .....                                                                                                                                                                                             | 1          |
| 20                 | PAFFF              | 8V613       | 7-311512107        | • Arm Assembly .....                                                                                                                                                                                                | 1          |
| 21                 | PAFZZ              | 96906       | MS27645-3A         | • • Bearing, Ball, Airfra .....                                                                                                                                                                                     | 1          |
| 22                 | PAFZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                                                                                                       | 1          |
| 23                 | PAFZZ              | 80205       | MS27576-4-09       | • Bolt, Close Toleranc .....                                                                                                                                                                                        | 1          |
| 24                 | PAFZZ              | 8V613       | 7-311512109        | • Retainer, Flight Con .....                                                                                                                                                                                        | 1          |
| 25                 | PAFZZ              | 8V613       | 7-211512089-3      | • Pin, Straight, Headed .....                                                                                                                                                                                       | 1          |
| 26                 | PAFZZ              | 8V613       | 7-211513007-5      | • Retainer, Flight Con .....                                                                                                                                                                                        | 2          |
| 27                 | PAFZZ              | 8V613       | 7-311512095-3      | • Lever, Remote Contro .....                                                                                                                                                                                        | 1          |
| 28                 | PAFZZ              | 8V613       | 7-211514083        | • Retainer, Shear Pin .....                                                                                                                                                                                         | 1          |
| 29                 | PAFZZ              | 8V613       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) .....                                                                                                                                                    | 1          |
| 30                 | PAFZZ              | 8V613       | 7-211514082        | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                            | 1          |
| 31                 | PAFZZ              | 88044       | AN6227-4           | • Packing, Preformed .....                                                                                                                                                                                          | 1          |
| 32                 | PAFFF              | 8V613       | 7-311512092-3      | • Arm Assy, Collective .....                                                                                                                                                                                        | 1          |
| 33                 | XAFFF              | 8V613       | 7-311512088        | • • Arm Assy, Output .....                                                                                                                                                                                          | 1          |
| 34                 | PAFZZ              | 8V613       | 7-311514096        | • • • Bushing, Sleeve .....                                                                                                                                                                                         | 1          |
| 35                 | XAFFF              | 8V613       | 7-311512087-5      | • • Arm Assembly, Input- .....                                                                                                                                                                                      | 1          |
| 36                 | PAFZZ              | 8V613       | 7-311514101        | • • • Bearing, Sleeve .....                                                                                                                                                                                         | 2          |
| 37                 | PAFZZ              | 8V613       | 7-211514095-3      | • • • Bearing, Sleeve .....                                                                                                                                                                                         | 1          |
| 38                 | PAFZZ              | 96906       | MS27642-16         | • Bearing, Ball, Airfra .....                                                                                                                                                                                       | 2          |
| 39                 | PAFZZ              | 80205       | NAS428H4A10        | • Bolt, Machine .....                                                                                                                                                                                               | 2          |
| 40                 | PAFZZ              | 88044       | AN960KD416L        | • Washer, Flat .....                                                                                                                                                                                                | 2          |
| 41                 | XDFZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon .....                                                                                                                                                                                         | 2          |
| 42                 | PAFZZ              | 8V613       | 7-311512090-7      | • Support, Flight Cont .....                                                                                                                                                                                        | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                                                                                     |            |



M09-658E

Figure 598. Group 11 Stick Installation, Copilot/Gunner Collective (Support)  
7-311513000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 598 Stick Installation, Copilot/Gunner<br>Collective (Support)<br>7-311513000 |            |
| 1                  | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                                                        | 1          |
| 2                  | PAOZZ              | 80205       | NAS1149DN616J      | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                                 | 1          |
| 3                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                                                        | 1          |
| 4                  | PAOZZ              | 80205       | NAS1149D0332K      | • Washer, Flat (Usbl Eff 82-23355 thru 88-0199) . . . . .                                                            | 6          |
| 5                  | PAOZZ              | 80205       | NAS1149D0363J      | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                                 | 1          |
| 6                  | PAOZZ              | 80205       | NAS603-7P          | • Screw, Machine (Usbl Eff 88-0200 and Subs) . . . . .                                                               | 1          |
| 7                  | PAOZZ              | 81349       | M83413/8-A05AB     | • Lead, Electrical (Usbl Eff 88-0200 and Subs) . . . . .                                                             | 1          |
| 8                  | PAOZZ              | 81343       | SAE-AS-7351        | • Clamp, Loop (Usbl Eff 88-0200 and Subs) . . . . .                                                                  | 1          |
| 9                  | PAOZZ              | 10001       | AN381-2-8          | • Pin, Cotter . . . . .                                                                                              | 4          |
| 10                 | PAOZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As . . . . .                                                                                    | 4          |
| 11                 | PAOZZ              | 96906       | MS27576-3-07       | • Bolt, Close Toleranc . . . . .                                                                                     | 2          |
| 12                 | PAOZZ              | 02731       | HS5542-03012       | • Bushing, Sleeve . . . . .                                                                                          | 1          |
| 13                 | PAOZZ              | 96906       | MS27576-3-10       | • Bolt, Close Toleranc . . . . .                                                                                     | 1          |
| 14                 | PAOZZ              | 02731       | HS5542-03014       | • Bushing, Sleeve . . . . .                                                                                          | 1          |
| 15                 | XDOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon . . . . .                                                                                      | 2          |
| 16                 | PAOZZ              | 80205       | NAS513-4           | • Washer, Key . . . . .                                                                                              | 1          |
| 17                 | PAOZZ              | 8V613       | 7-311512096        | • Connector, Rod End . . . . .                                                                                       | 1          |
| 18                 | PAOZZ              | 8V613       | 7-115200106-3      | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                                                 | 1          |
| 18                 | PAOZZ              | 8V613       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) . . . . .                                                         | 1          |
| 19                 | PAOZZ              | 96906       | MS27576-3-11       | • Bolt, Close Toleranc . . . . .                                                                                     | 1          |
| 20                 | PAOZZ              | 02731       | HS5542-03015       | • Bushing, Sleeve . . . . .                                                                                          | 1          |
| 21                 | PAOFF              | 8V613       | 7-311512067-5      | • Cylinder Assembly, A . . . . .                                                                                     | 1          |
| 22                 | XDOZZ              | 80205       | NAS509-4           | • • Nut, Plain, Hexagon . . . . .                                                                                    | 1          |
| 23                 | PAOZZ              | 8V613       | 7-311512063-3      | • • Clevis, Rod End . . . . .                                                                                        | 1          |
| 24                 | PAOZZ              | 80205       | NAS513-4           | • • Washer, Key . . . . .                                                                                            | 1          |
| 25                 | PAFZZ              | 8V613       | 7-311512066-3      | • • Piston, Flight Contr . . . . .                                                                                   | 1          |
| 26                 | PAFZZ              | 81349       | M27426-3132D       | • • Ring, Retaining . . . . .                                                                                        | 1          |
| 27                 | PAFFF              | 8V613       | 7-311512064        | • • Cylinder Assy, Main . . . . .                                                                                    | 1          |
| 28                 | PAFZZ              | 96906       | MS27645-3A         | • • • Bearing, Ball, Airfra . . . . .                                                                                | 1          |
| 29                 | PAFZZ              | 8V613       | 7-311512065        | • • Spring, Helical, Comp . . . . .                                                                                  | 1          |
| 30                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex . . . . .                                                                                    | 4          |
| 31                 | PAOZZ              | 80205       | NAS1149C0432R      | • Washer, Flat . . . . .                                                                                             | 12         |
| 32                 | PAOZZ              | 80205       | NAS6604-5          | • Bolt, Machine . . . . .                                                                                            | 4          |
| 33                 | PAOZZ              | 80205       | NAS428H4A5         | • Bolt, Machine . . . . .                                                                                            | 1          |
| 34                 | PAOFF              | 8V613       | 7-311513001-5      | • Support, Structural (See Fig. 599 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                     | 1          |
| 34                 | PAOFF              | 8V613       | 7-311513001-7      | • Support Assy, Collec (See Fig. 599 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) . . . . .                         | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                      |            |

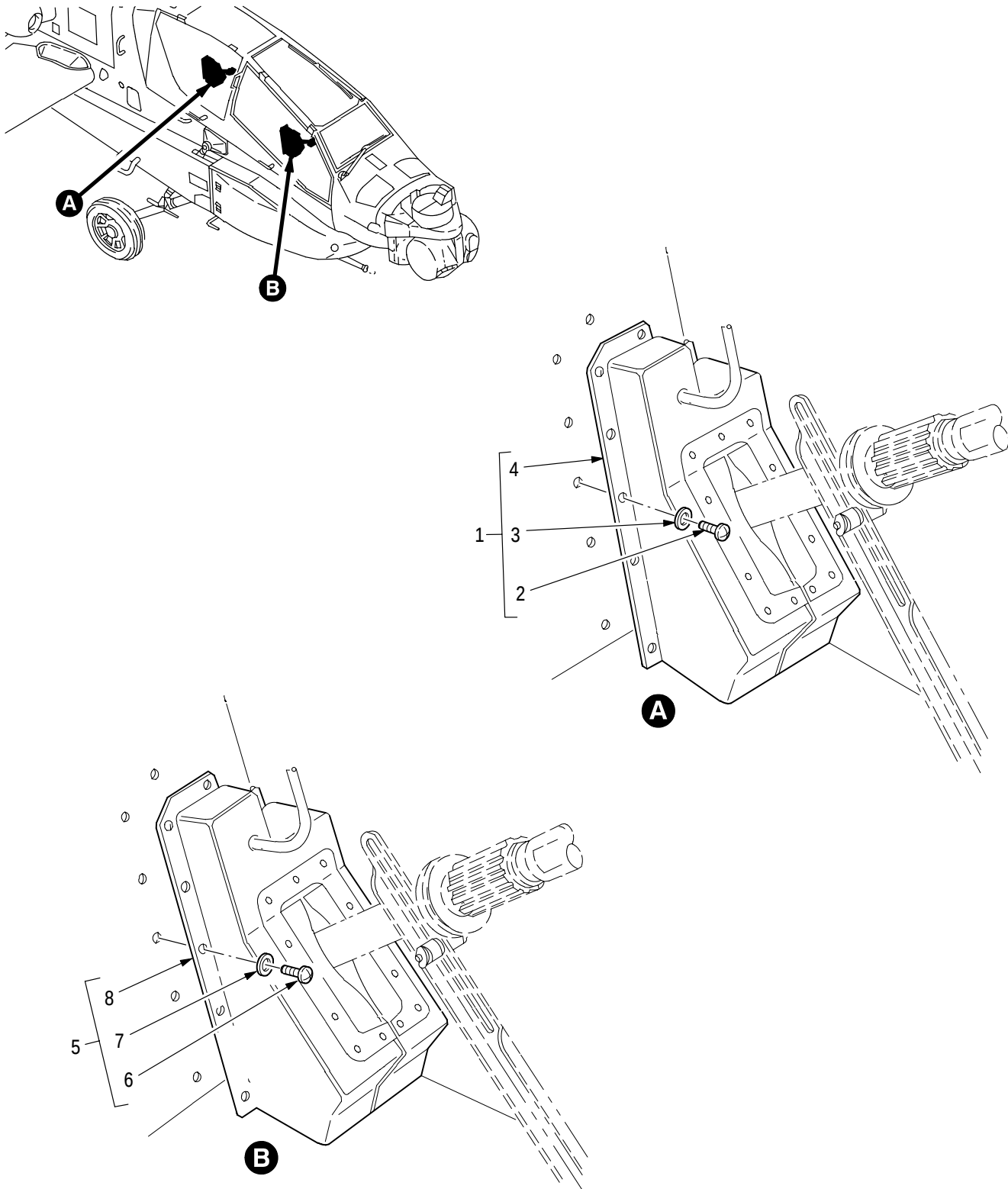


M09-659G

Figure 599. Group 11 Support Assembly, Collective Stick (Copilot/Gunner)  
 7-311513001-5 (Usbl Eff 82-23355 thru 88-0199)  
 7-311513001-7 (Usbl Eff 88-0200 and Subs)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 599 Support Assembly,<br>Collective Stick (Copilot/Gunner)<br>7-311513001-5<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-311513001-7<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 598 for NHA |            |
| 1                  | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex .....                                                                                                                                                                                                  | 2          |
| 2                  | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat .....                                                                                                                                                                                                           | 4          |
| 3                  | PAFZZ              | 96906       | MS35275-229        | • Screw, Machine .....                                                                                                                                                                                                         | 2          |
| 4                  | PAFZZ              | 8V613       | 7-311514104-13     | • Switch Assy, SPAD (Usbl Eff 82-23355 thru 88-0199) ...                                                                                                                                                                       | 1          |
| 4                  | PAFZZ              | 8V613       | 7-311514104-17     | • Switch, Push (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                                               | 1          |
| 5                  | PAFZZ              | 96906       | MS24665-151        | • Pin, Cotter .....                                                                                                                                                                                                            | 2          |
| 6                  | PAFZZ              | 88044       | AN960C4L           | • Washer, Flat .....                                                                                                                                                                                                           | 2          |
| 7                  | PAFZZ              | 96906       | MS9462-05          | • Pin, Straight, Headed .....                                                                                                                                                                                                  | 2          |
| 8                  | PAFZZ              | 8V613       | 7-311514086        | • Guide, Spring, Extern .....                                                                                                                                                                                                  | 1          |
| 9                  | PAFZZ              | 8V613       | 7-311514087        | • Guide, Spring, Intern .....                                                                                                                                                                                                  | 1          |
| 10                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp .....                                                                                                                                                                                                  | 1          |
| 11                 | PAFZZ              | 8V613       | 7-311514085        | • Shaft, Straight .....                                                                                                                                                                                                        | 1          |
| 12                 | PAFZZ              | 8V613       | 7-311514084-3      | • Shaft, Actuator Swit .....                                                                                                                                                                                                   | 1          |
| 13                 | PAFZZ              | 8V613       | 7-311514102        | • Cam, Control .....                                                                                                                                                                                                           | 1          |
| 14                 | PAFZZ              | 96906       | MS35275-230        | • Screw, Machine .....                                                                                                                                                                                                         | 2          |
| 15                 | PAFZZ              | 8V613       | 7-311514103-5      | • Detent, Sweep Lever .....                                                                                                                                                                                                    | 1          |
| 16                 | PAFZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                                                                                                                                            | 1          |
| 17                 | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                                                                                                                  | 1          |
| 18                 | PAFZZ              | 96906       | MS27576-4-37       | • Bolt, Close Toleranc .....                                                                                                                                                                                                   | 1          |
| 19                 | PAFZZ              | 88044       | AN960KD616         | • Washer, Flat .....                                                                                                                                                                                                           | 1          |
| 20                 | PAFZZ              | 88044       | AN960KD416         | • Washer, Flat .....                                                                                                                                                                                                           | 1          |
| 21                 | PAFZZ              | 8V613       | 7-311513008        | • Bushing, Sleeve .....                                                                                                                                                                                                        | 1          |
| 22                 | PAFZZ              | 8V613       | 7-311513009-3      | • Drive Arm Assembly .....                                                                                                                                                                                                     | 1          |
| 23                 | PAFZZ              | 8V613       | 7-211513007-5      | • Retainer, Flight Con .....                                                                                                                                                                                                   | 2          |
| 24                 | PAFZZ              | 8V613       | 7-311513006        | • Lever, Remote Contro .....                                                                                                                                                                                                   | 1          |
| 25                 | PAOZZ              | 8V613       | 7-211514083        | • Retainer, Shear Pin .....                                                                                                                                                                                                    | 1          |
| 26                 | PAOZZ              | 8V613       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) .....                                                                                                                                                               | 1          |
| 27                 | PAOZZ              | 8V613       | 7-211514082        | • Pin, Grooved, Headed<br>(Usbl Eff 88-0200 and Subs) .....                                                                                                                                                                    | 1          |
| 28                 | PAOZZ              | 88044       | AN6227-4           | • Packing, Preformed .....                                                                                                                                                                                                     | 1          |
| 29                 | PAFFF              | 8V613       | 7-311513005-5      | • Arm Assembly, Collec .....                                                                                                                                                                                                   | 1          |
| 30                 | XAFFF              | 8V613       | 7-311513003-5      | • Arm Assy .....                                                                                                                                                                                                               | 1          |
| 31                 | PAFZZ              | 8V613       | 7-311514096        | • Bushing, Sleeve .....                                                                                                                                                                                                        | 1          |
| 32                 | XAFFF              | 8V613       | 7-311513004-5      | • Arm Assy .....                                                                                                                                                                                                               | 1          |
| 33                 | PAFZZ              | 8V613       | 7-311514101        | • Bearing, Sleeve .....                                                                                                                                                                                                        | 2          |
| 34                 | PAFZZ              | 8V613       | 7-211514095-3      | • Bearing, Sleeve .....                                                                                                                                                                                                        | 1          |
| 35                 | PAFZZ              | 96906       | MS27642-16         | • Bearing, Ball, Airfra .....                                                                                                                                                                                                  | 2          |
| 36                 | PAFZZ              | 80205       | NAS428H4A10        | • Bolt, Machine .....                                                                                                                                                                                                          | 1          |
| 37                 | PAFZZ              | 88044       | AN960KD416L        | • Washer, Flat .....                                                                                                                                                                                                           | 1          |
| 38                 | XDFZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon .....                                                                                                                                                                                                    | 2          |
| 39                 | PAFZZ              | 8V613       | 7-311513002        | • Base, Flight Control .....                                                                                                                                                                                                   | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                                                                                                |            |

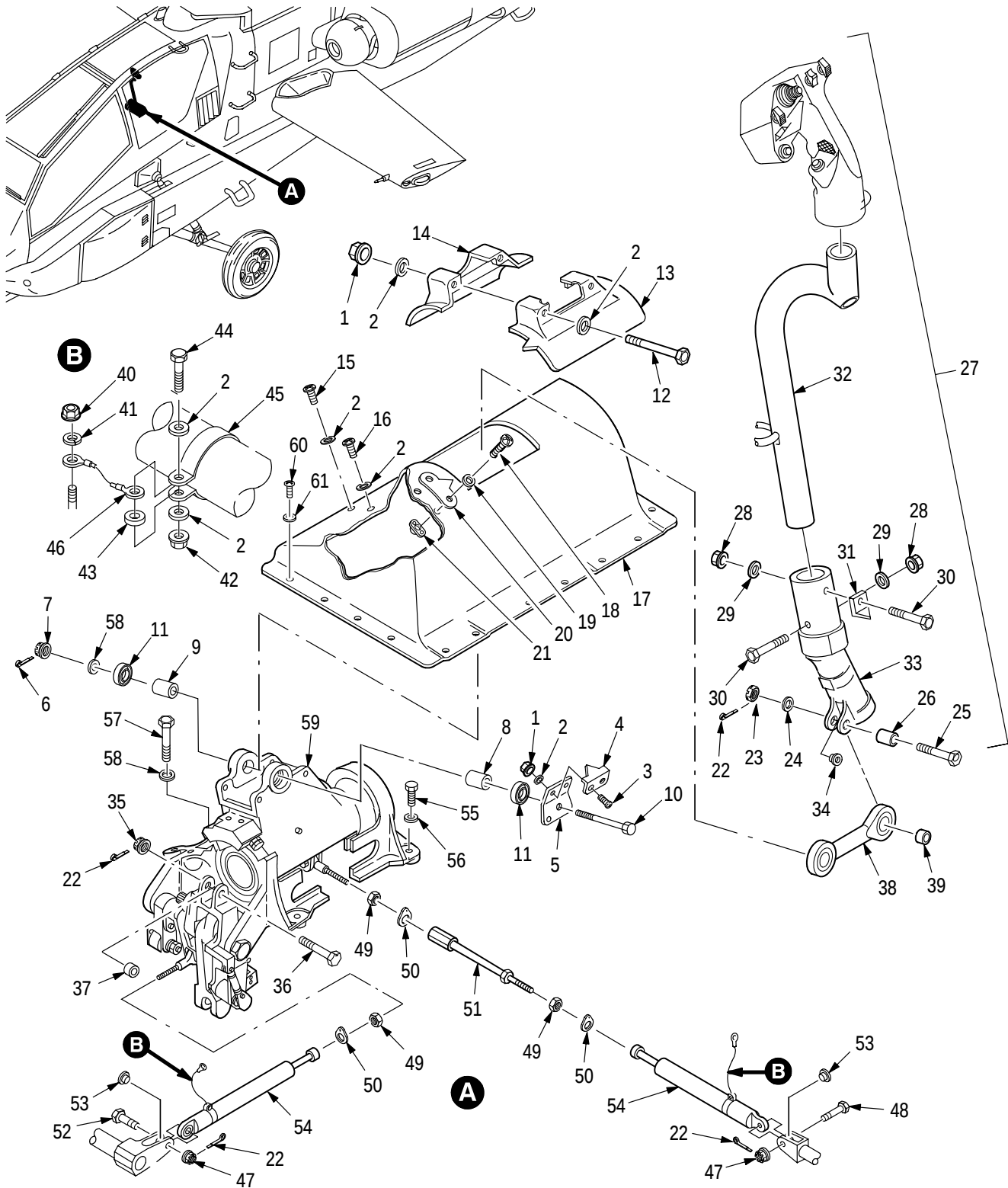




M09-984C

Figure 600. Group 11 Protective Cover Installation, Collective Stick

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 600 Protective Cover Installation,<br>Collective Stick |            |
| 1                  | XCOOO              | 8V613       | 7-311512061-3      | • Cover, Cltv Stick AFT .....                                                                 | 1          |
| 2                  | PAOZZ              | 80205       | NAS1403-3          | • • Screw, Machine .....                                                                      | 6          |
| 3                  | PAOZZ              | 88044       | AN960KD10          | • • Washer, Flat .....                                                                        | 6          |
| 4                  | PAOZZ              | 8V613       | 7-311512100-19     | • • Cover, Collective St .....                                                                | 1          |
| 5                  | XCOOO              | 8V613       | 7-311512061-5      | • Cover, Cltv Stick FWD .....                                                                 | 1          |
| 6                  | PAOZZ              | 80205       | NAS1403-3          | • • Screw, Machine .....                                                                      | 5          |
| 7                  | PAOZZ              | 88044       | AN960KD10          | • • Washer, Flat .....                                                                        | 5          |
| 8                  | PAOZZ              | 8V613       | 7-311512101-9      | • • Cover, Collective St .....                                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                               |            |



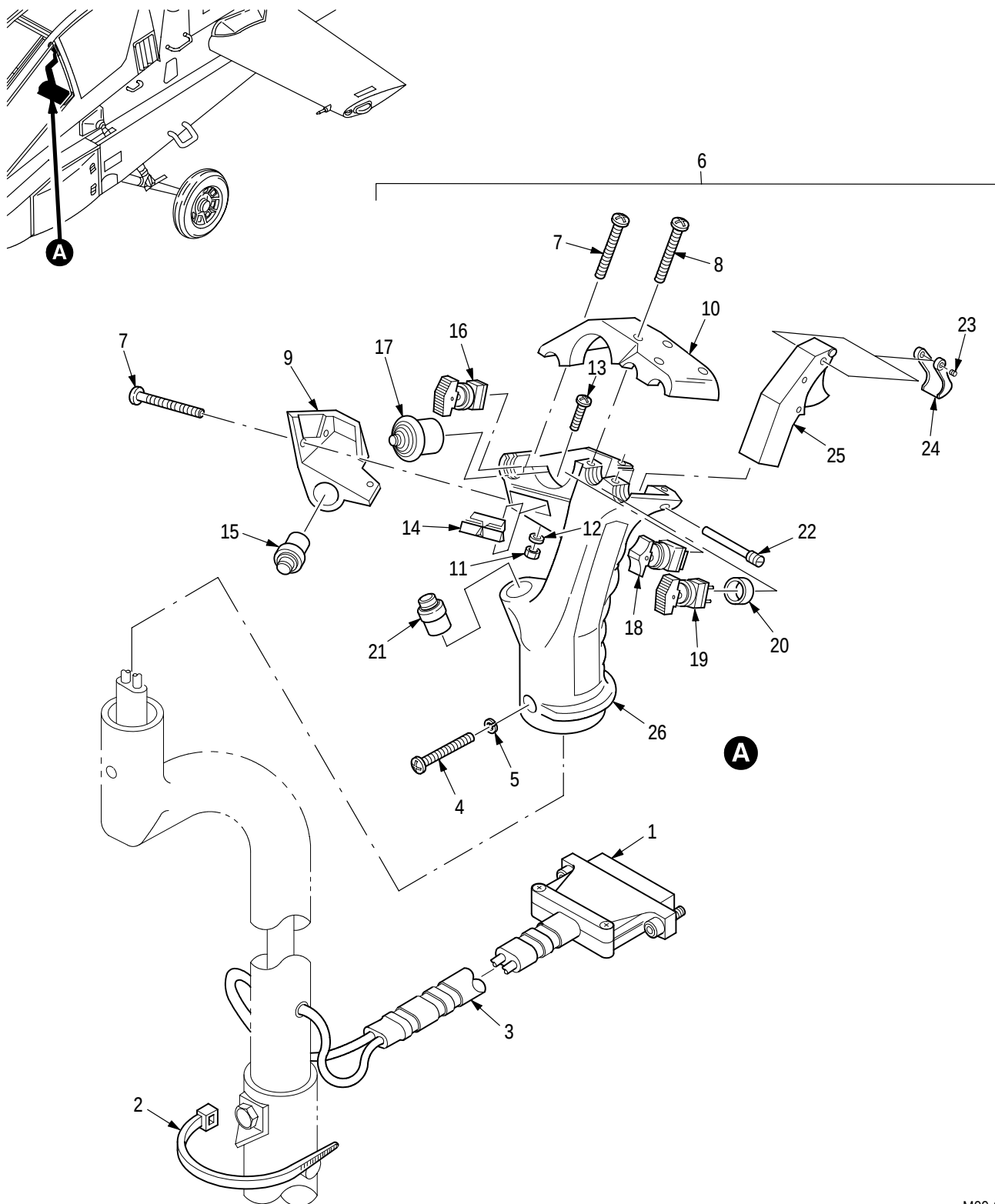
M09-674H

Figure 601. Group 11 Stick Installation, Pilot Cyclic  
7-311514000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 601 Stick Installation, Pilot Cyclic<br>7-311514000 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex . . . . .                                                          | 4          |
| 2                  | PAOZZ              | 88044       | AN960KD10L         | • Washer, Flat (Qty 10 Usbl Eff 82-23355 thru 88-0199) . . .                               | 10         |
| 3                  | PAOZZ              | 80205       | NAS623-3-3         | • Screw, Machine . . . . .                                                                 | 2          |
| 4                  | PAOZZ              | 8V613       | 7-211514068        | • Indicator, Cyclic La . . . . .                                                           | 1          |
| 5                  | PAOZZ              | 8V613       | 7-211514070-3      | • Bracket, Angle . . . . .                                                                 | 1          |
| 6                  | PAOZZ              | 80205       | MS24665-155        | • Pin, Cotter . . . . .                                                                    | 1          |
| 7                  | PAOZZ              | 80205       | MS21224-5          | • Nut, Self-Locking, As . . . . .                                                          | 1          |
| 8                  | PAOZZ              | 80205       | NAS43HT5-4         | • Spacer, Ring . . . . .                                                                   | 1          |
| 9                  | PAOZZ              | 80205       | NAS43HT5-10        | • Spacer, Sleeve . . . . .                                                                 | 1          |
| 10                 | PAOZZ              | 80205       | MS27576-5-39       | • Bolt, Close Toleranc . . . . .                                                           | 1          |
| 11                 | PAOZZ              | 96906       | MS27641-5          | • Bearing, Ball, Airfra . . . . .                                                          | 1          |
| 12                 | PAOZZ              | 80205       | NAS6603-38         | • Bolt, Shear . . . . .                                                                    | 2          |
| 13                 | PAOZZ              | 8V613       | 7-311514065-1      | • Shroud, Cyclic . . . . .                                                                 | 1          |
| 14                 | PAOZZ              | 8V613       | 7-311514065-2      | • Shroud, Cyclic . . . . .                                                                 | 1          |
| 15                 | PAOZZ              | 80205       | NAS623-3-2         | • Screw, Machine . . . . .                                                                 | 1          |
| 16                 | PAOZZ              | 80205       | NAS623-3-1         | • Screw, Machine . . . . .                                                                 | 3          |
| 17                 | PAOOO              | 8V613       | 7-311514064-7      | • Cover, Access . . . . .                                                                  | 1          |
| 18                 | PAOZZ              | 80205       | NAS603-9P          | • • Screw, Machine . . . . .                                                               | 2          |
| 19                 | PAOZZ              | 59875       | TX90790-34         | • • Washer, Flat . . . . .                                                                 | 2          |
| 20                 | PAOZZ              | 8V613       | 7-211514067        | • • Indicator, Cyclic, L . . . . .                                                         | 1          |
| 21                 | PAOZZ              | 80205       | MS21059L3          | • • Nut, Self-Locking, Pl . . . . .                                                        | 2          |
| 22                 | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter . . . . .                                                                    | 4          |
| 23                 | PAOZZ              | 96906       | MS17826-4          | • Nut, Self-Locking, Sl . . . . .                                                          | 1          |
| 24                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat . . . . .                                                                   | 1          |
| 25                 | PAOZZ              | 80205       | NAS6204-15D        | • Bolt, Shear . . . . .                                                                    | 1          |
| 26                 | PAOZZ              | 02731       | HS5542-04056       | • Bushing, Sleeve . . . . .                                                                | 1          |
| 27                 | PAOOO              | 8V613       | 7-311514001-9      | • Control Stick, Aircr<br>(See Fig. 602 for Further Breakdown) . . . . .                   | 1          |
| 28                 | PAOZZ              | 80205       | MS21042-4          | • • Nut, Self-Locking, Ex . . . . .                                                        | 2          |
| 29                 | PAOZZ              | 88044       | AN960KD416L        | • • Washer, Flat . . . . .                                                                 | 2          |
| 30                 | XDOZZ              | 80205       | NAS6604-24         | • • Bolt, Shear . . . . .                                                                  | 2          |
| 31                 | PAOZZ              | 8V613       | 7-211514069        | • • Indicator, Position . . . . .                                                          | 1          |
| 32                 | PAOZZ              | 8V613       | 7-115114002-9      | • • Tube Assembly, Metal . . . . .                                                         | 1          |
| 33                 | PAOOO              | 8V613       | 7-311514005-9      | • • Base Assembly . . . . .                                                                | 1          |
| 34                 | PAOZZ              | 02731       | HS606S4-7          | • • • Bushing, Sleeve . . . . .                                                            | 1          |
| 35                 | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As . . . . .                                                          | 1          |
| 36                 | PAOZZ              | 80205       | MS27576-4-14       | • Bolt, Close Toleranc . . . . .                                                           | 1          |
| 37                 | PAOZZ              | 02731       | HS5542-04037       | • Bushing, Sleeve . . . . .                                                                | 1          |
| 38                 | PAOFF              | 8V613       | 7-115114052        | • Connecting Link, Rig . . . . .                                                           | 1          |
| 39                 | XAFZZ              | 02731       | HS5396-0004        | • • Bearing, Ball, Annula . . . . .                                                        | 1          |
| 40                 | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                              | 2          |
| 41                 | PAOZZ              | 88044       | AN960JD6L          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                       | 2          |
| 42                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                              | 2          |
| 43                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                       | 2          |
| 44                 | PAOZZ              | 80205       | NAS1096-3-7        | • Screw, Machine (Usbl Eff 88-0200 and Subs) . . . . .                                     | 2          |
| 45                 | PAOZZ              | 81343       | SAE-AS-7351        | • Clamp, Loop (Usbl Eff 88-0200 and Subs) . . . . .                                        | 2          |
| 46                 | PAOZZ              | 81349       | M83413/8-A05AB     | • Lead, Electrical (Usbl Eff 88-0200 and Subs) . . . . .                                   | 2          |
| 47                 | PAOZZ              | 80205       | MS21224-3          | • Nut, Self-Locking, As . . . . .                                                          | 2          |
| 48                 | PAOZZ              | 96906       | MS27576-3-08       | • Bolt, Close Toleranc . . . . .                                                           | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------|------------|
| 49                 | XDOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon .....                                                                   | 3          |
| 50                 | PAOZZ              | 80205       | NAS513-4           | • Washer, Key .....                                                                           | 3          |
| 51                 | PAOZZ              | 8V613       | 7-115114060        | • Post, Electrical-Mec .....                                                                  | 1          |
| 52                 | PAOZZ              | 80205       | MS27576-3-10       | • Bolt, Close Toleranc .....                                                                  | 1          |
| 53                 | PAOZZ              | 02731       | HS5542-03042       | • Bushing, Sleeve .....                                                                       | 2          |
| 54                 | PAOZZ              | 8V613       | 7-115200106-3      | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) .....                              | 2          |
| 54                 | PAOZZ              | 8V613       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) .....                                      | 2          |
| 55                 | PAOZZ              | 80205       | NAS6204-8D         | • Bolt, Shear .....                                                                           | 3          |
| 56                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....                                                                          | 4          |
| 57                 | PAOZZ              | 80205       | NAS6204-10         | • Bolt, Shear .....                                                                           | 1          |
| 58                 | PAOZZ              | 80205       | NAS1149C0532R      | • Washer, Flat .....                                                                          | 1          |
| 59                 | PAOFF              | 8V613       | 7-311514075-11     | • Housing Assembly, Cy (See Fig. 603 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) .....      | 1          |
| 59                 | PAOFF              | 8V613       | 7-311514075-9      | • Housing Assembly, Cy (See Fig. 603 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) ..... | 1          |
| 60                 | PAOZZ              | 80205       | NAS1403-5          | Screw, Machine .....                                                                          | 18         |
| 61                 | PAOZZ              | 88044       | AN960JD10          | Washer, Flat .....                                                                            | 18         |
| END OF FIGURE      |                    |             |                    |                                                                                               |            |





M09-673B

Figure 602. Group 11 Control Stick, Aircraft  
7-311514001-9

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                 | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 602 Control Stick, Aircraft<br>7-311514001-9<br>See Fig. 601 for NHA |            |
| 1                  | XDOZZ              | 02731       | HS5239A1120        | • Connector, Receptacl .....                                                                                | 1          |
| 2                  | PAOZZ              | 96906       | MS3367-2-0         | • Strap, Tiedown, Elect .....                                                                               | 1          |
| 3                  | XDOZZ              | 02731       | HS4800-220         | • Terminal Junction B .....                                                                                 | 1          |
| 4                  | PAOZZ              | 80205       | NAS623-3-22        | • Screw, Machine .....                                                                                      | 1          |
| 5                  | PAOZZ              | 96906       | MS35333-39         | • Washer, Lock .....                                                                                        | 1          |
| 6                  | PAOOO              | 8V613       | 7-211514006        | • Grip Assembly, Contr .....                                                                                | 1          |
| 7                  | PAOZZ              | 96906       | MS51957-15B        | • • Screw, Machine .....                                                                                    | 4          |
| 8                  | PAOZZ              | 96906       | MS51957-16B        | • • Screw, Machine .....                                                                                    | 5          |
| 9                  | PAOZZ              | 81579       | 714-261-1          | • • Adapter, Switch Actu .....                                                                              | 1          |
| 10                 | PAOZZ              | 81579       | 714-201-205        | • • Cap, Grip Control .....                                                                                 | 1          |
| 11                 | PAOZZ              | 96906       | MS35649-224        | • • Nut, Plain, Hexagon .....                                                                               | 2          |
| 12                 | PAOZZ              | 96906       | MS35333-69         | • • Washer, Lock .....                                                                                      | 2          |
| 13                 | PAOZZ              | 96906       | MS51957-3          | • • Screw, Machine .....                                                                                    | 2          |
| 14                 | PAOZZ              | 81579       | 997-0002           | • • Switch, Grip Control .....                                                                              | 1          |
| 15                 | PAOZZ              | 96906       | MS25089-1A         | • • Switch, Push .....                                                                                      | 1          |
| 16                 | PAOZZ              | 81579       | 997-0144           | • • Switch, Toggle .....                                                                                    | 1          |
| 17                 | PAOZZ              | 81579       | 404-4310           | • • Switch, Toggle .....                                                                                    | 1          |
| 18                 | PAOZZ              | 81579       | 997-0145           | • • Switch, Toggle .....                                                                                    | 1          |
| 19                 | PAOZZ              | 81579       | 997-0105           | • • Switch, Toggle .....                                                                                    | 1          |
| 20                 | PAOZZ              | 81579       | 714-206-1          | • • Spacer, Grip Control .....                                                                              | 1          |
| 21                 | PAOZZ              | 96906       | MS25089-2A         | • • Switch, Push .....                                                                                      | 1          |
| 22                 | PAOZZ              | 81579       | 714-279-1          | • • Pin, Grip Control .....                                                                                 | 1          |
| 23                 | PAOZZ              | 81579       | 714-231-1          | • • Spring, Helical, Tors .....                                                                             | 1          |
| 24                 | PAOZZ              | 81579       | 714-216-1          | • • Guard, Grip Control .....                                                                               | 1          |
| 25                 | PAOZZ              | 81579       | 405-4300           | • • Switch, Trigger .....                                                                                   | 1          |
| 26                 | PAOZZ              | 81579       | 714-040-8          | • • Grip Control .....                                                                                      | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                             |            |



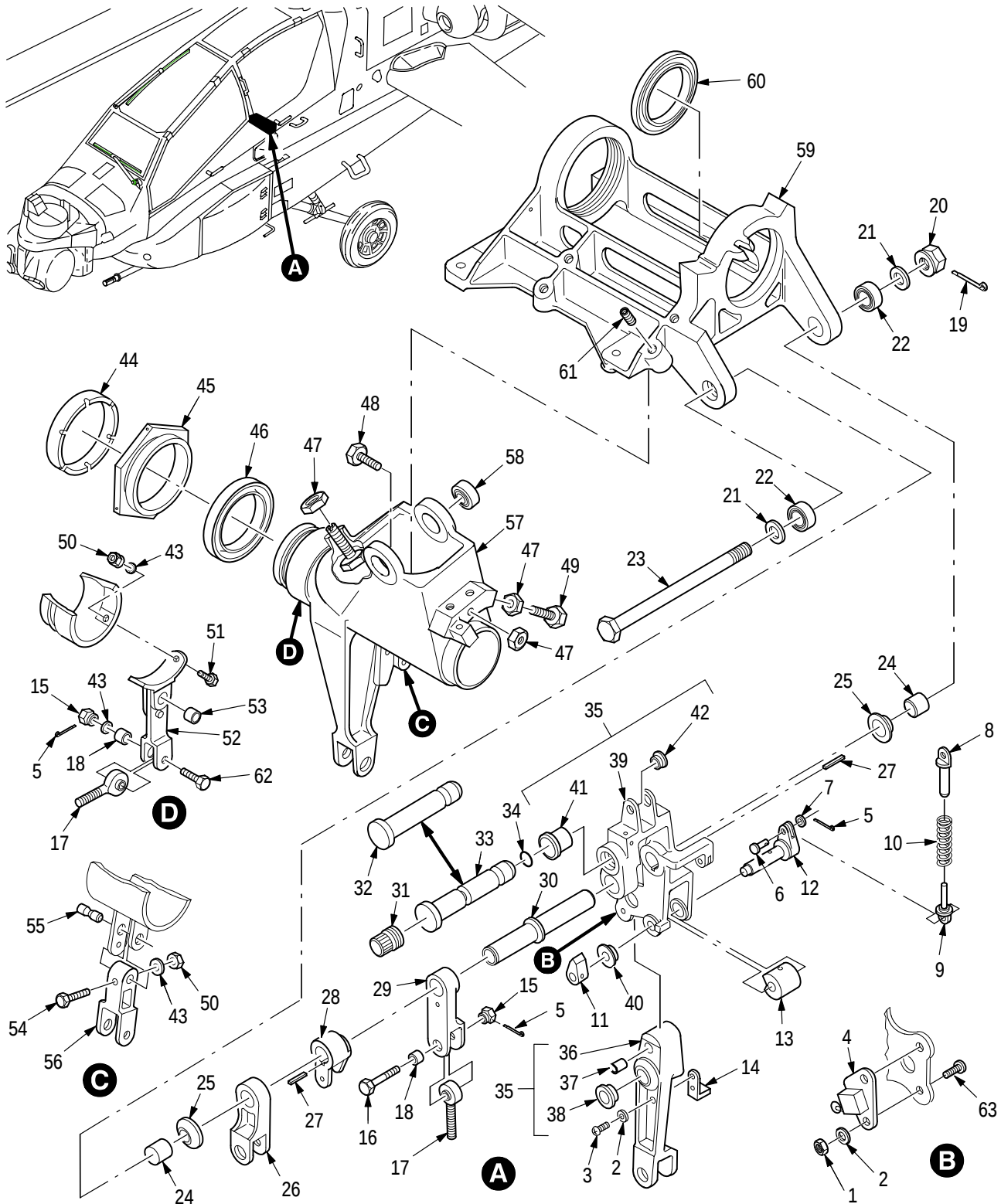


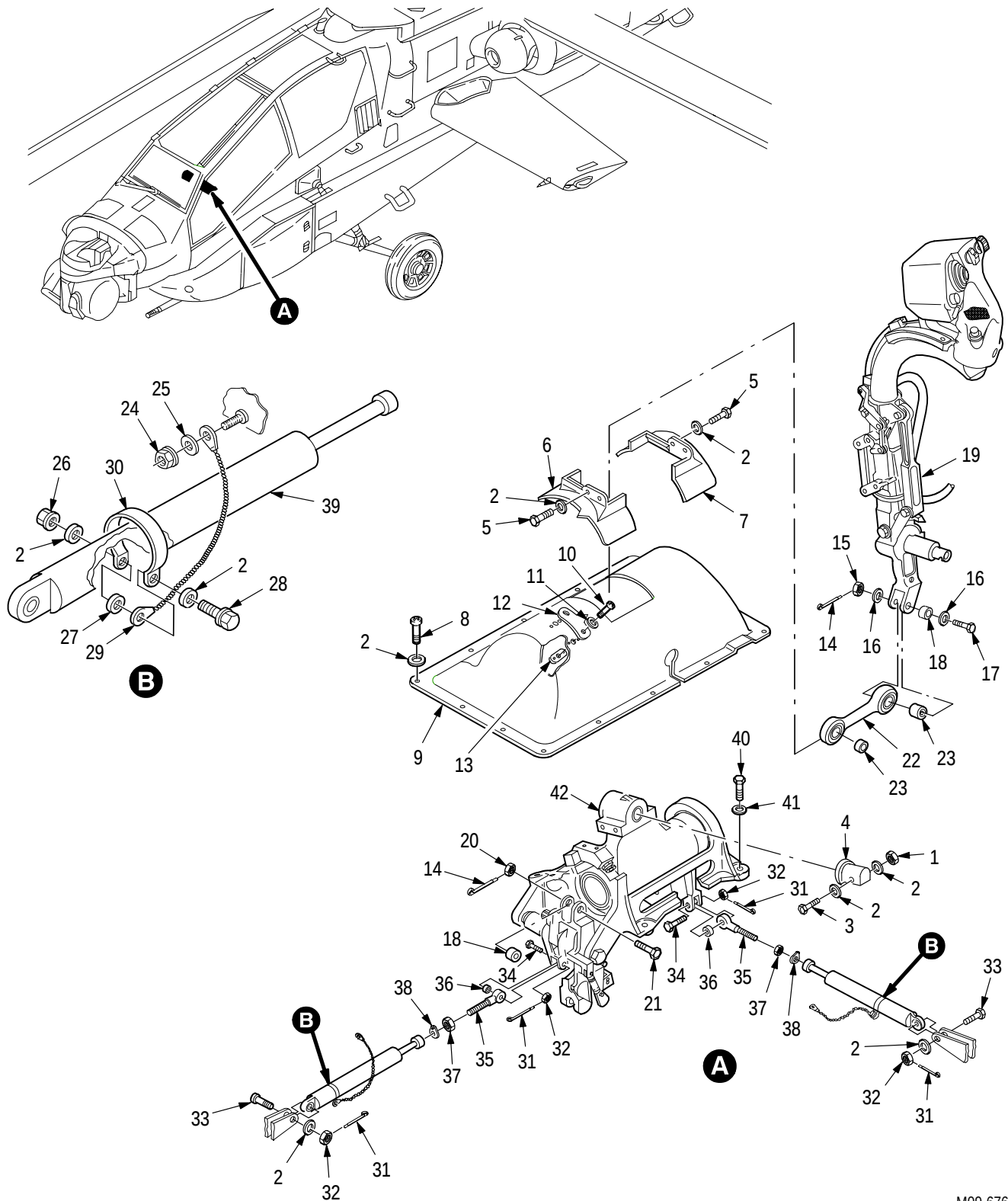
Figure 603. Group 11 Housing Assembly, Cyclic Stick (Pilot)  
7-311514075-9 (Usbl Eff 82-23355 thru 88-0199)  
7-311514075-11 (Usbl Eff 88-0200 and Subs)

M09-675G

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 603 Housing Assembly, Cyclic Stick (Pilot)<br>7-311514075-9<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-311514075-11<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 601 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS35649-262        | • Nut, Plain, Hexagon .....                                                                                                                                                                                     | 2          |
| 2                  | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat .....                                                                                                                                                                                            | 6          |
| 3                  | PAFZZ              | 96906       | MS35275-229        | • Screw, Machine .....                                                                                                                                                                                          | 2          |
| 4                  | PAFZZ              | 8V613       | 7-311514104-11     | • Switch Sub Assembly<br>(Usbl Eff 82-23355 thru 88-0199) .....                                                                                                                                                 | 1          |
| 4                  | PAFZZ              | 8V613       | 7-311514104-15     | • Switch Sub Assembly<br>(Usbl Eff 88-0200 and Subs) .....                                                                                                                                                      | 1          |
| 5                  | PAOZZ              | 96906       | MS24665-151        | • Pin, Cotter .....                                                                                                                                                                                             | 4          |
| 6                  | PAFZZ              | 96906       | MS9462-06          | • Pin, Straight, Headed .....                                                                                                                                                                                   | 2          |
| 7                  | PAFZZ              | 88044       | AN960C4            | • Washer, Flat .....                                                                                                                                                                                            | 2          |
| 8                  | PAFZZ              | 8V613       | 7-311514086        | • Guide, Spring, Extern .....                                                                                                                                                                                   | 1          |
| 9                  | PAFZZ              | 8V613       | 7-311514087        | • Guide, Spring, Intern .....                                                                                                                                                                                   | 1          |
| 10                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp .....                                                                                                                                                                                   | 1          |
| 11                 | PAFZZ              | 8V613       | 7-311514085        | • Shaft, Straight .....                                                                                                                                                                                         | 1          |
| 12                 | PAFZZ              | 8V613       | 7-311514084-5      | • Shaft, Actuator, Swit .....                                                                                                                                                                                   | 1          |
| 13                 | PAFZZ              | 8V613       | 7-311514102        | • Cam, Control .....                                                                                                                                                                                            | 1          |
| 14                 | PAFZZ              | 8V613       | 7-311514103-5      | • Detent, Sweep Lever .....                                                                                                                                                                                     | 1          |
| 15                 | PAOZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As .....                                                                                                                                                                                   | 2          |
| 16                 | PAOZZ              | 96906       | MS27576-3-11       | • Bolt, Close Toleranc .....                                                                                                                                                                                    | 1          |
| 17                 | PAOZZ              | 96906       | MS21151-7C         | • Bearing, Ball, Rod En .....                                                                                                                                                                                   | 2          |
| 18                 | PAFZZ              | 02731       | HS5542-03013       | • Bushing, Sleeve .....                                                                                                                                                                                         | 2          |
| 19                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                                                                                                                             | 1          |
| 20                 | PAFZZ              | 96906       | MS21224-5          | • Nut, Self-Locking, As .....                                                                                                                                                                                   | 1          |
| 21                 | PAFZZ              | 88044       | AN960KD516         | • Washer, Flat .....                                                                                                                                                                                            | 2          |
| 22                 | PAFZZ              | 96906       | MS27641-5          | • Bearing, Ball, Airfra .....                                                                                                                                                                                   | 2          |
| 23                 | PAFZZ              | 96906       | MS27576-5-83       | • Bolt, Close Toleranc .....                                                                                                                                                                                    | 1          |
| 24                 | PAFZZ              | 80205       | NAS43HT5-6         | • Spacer, Ring .....                                                                                                                                                                                            | 2          |
| 25                 | PAFZZ              | 8V613       | 7-211514094-3      | • Retainer, Output Arm .....                                                                                                                                                                                    | 2          |
| 26                 | PAFZZ              | 8V613       | 7-311514091-3      | • Lever, Remote Contro .....                                                                                                                                                                                    | 1          |
| 27                 | PAFZZ              | 96906       | MS20066-77         | • Key, Machine .....                                                                                                                                                                                            | 2          |
| 28                 | PAFZZ              | 8V613       | 7-211514092-3      | • Collar, Drive Trim U .....                                                                                                                                                                                    | 1          |
| 29                 | PAFZZ              | 8V613       | 7-211514090-3      | • Arm, Input, Transduce .....                                                                                                                                                                                   | 1          |
| 30                 | PAFZZ              | 8V613       | 7-211514093        | • Shaft, Output Arm, La .....                                                                                                                                                                                   | 1          |
| 31                 | PAOZZ              | 8V613       | 7-211514083        | • Retainer, Shear Pin .....                                                                                                                                                                                     | 1          |
| 32                 | PAOZZ              | 8V613       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) .....                                                                                                                                                | 1          |
| 33                 | PAOZZ              | 8V613       | 7-211514082        | • Pin, Grooved, Headed<br>(Usbl Eff 88-0200 and Subs) .....                                                                                                                                                     | 1          |
| 34                 | PAFZZ              | 96906       | MS28775-009        | • O-Ring .....                                                                                                                                                                                                  | 1          |
| 35                 | PAFFF              | 8V613       | 7-311514097-7      | • Arm Assy, Flight Con .....                                                                                                                                                                                    | 1          |
| 36                 | XAOFF              | 8V613       | 7-311514089-11     | • Arm Assy .....                                                                                                                                                                                                | 1          |
| 37                 | PAFZZ              | 8V613       | 7-311514096        | • Bushing, Sleeve .....                                                                                                                                                                                         | 1          |
| 38                 | PAFZZ              | 02731       | HS606B9-28         | • Bushing, Sleeve .....                                                                                                                                                                                         | 2          |
| 39                 | XAOFF              | 8V613       | 7-311514088-19     | • Arm Assy .....                                                                                                                                                                                                | 1          |
| 40                 | PAFZZ              | 8V613       | 7-311514101        | • Bearing, Sleeve .....                                                                                                                                                                                         | 2          |
| 41                 | PAFZZ              | 8V613       | 7-211514095-3      | • Bearing, Sleeve .....                                                                                                                                                                                         | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 42                 | PAFZZ              | 02731       | HS606S4-6          | • • • Bushing, Sleeve . . . . .             | 1          |
| 43                 | PAFZZ              | 88044       | AN960KD10LL        | • Washer, Flat . . . . .                    | 4          |
| 44                 | PAFZZ              | 8V613       | 7-115114025-3      | • Retainer Bearing, Cy . . . . .            | 1          |
| 45                 | PAFZZ              | 8V613       | 7-115114022        | • Retainer, Main Rotor . . . . .            | 1          |
| 46                 | PAFZZ              | 21335       | MB545DDFS464       | • Bearing, Ball, Airfra . . . . .           | 1          |
| 47                 | XDFZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon . . . . .             | 4          |
| 48                 | PAFZZ              | 80205       | NAS428KH4-13       | • Bolt, Machine . . . . .                   | 2          |
| 49                 | PAFZZ              | 80205       | NAS428H4A10        | • Bolt, Machine . . . . .                   | 2          |
| 50                 | PAFZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex . . . . .           | 4          |
| 51                 | PAFZZ              | 80205       | NAS6203-6          | • Bolt, Shear . . . . .                     | 2          |
| 52                 | PAOFF              | 8V613       | 7-211514079        | • Arm Assy, Input, Cycl . . . . .           | 1          |
| 53                 | PAFZZ              | 02731       | HS5542-03011       | • • Bushing, Sleeve . . . . .               | 1          |
| 54                 | PAFZZ              | 80205       | NAS6203-11         | • Bolt, Shear . . . . .                     | 1          |
| 55                 | PAFZZ              | 8V613       | 7-211514078        | • Shaft Pivot, Input . . . . .              | 1          |
| 56                 | PAFZZ              | 8V613       | 7-311514077        | • Clevis, Rod End . . . . .                 | 1          |
| 57                 | PAFFF              | 8V613       | 7-311514076-9      | • Housing Assembly, Cy . . . . .            | 1          |
| 58                 | PAFZZ              | 96906       | MS27641-5          | • • Bearing, Ball, Airfra . . . . .         | 1          |
| 59                 | PAFFF              | 8V613       | 7-311514023        | • Support Assy, Cyclic . . . . .            | 1          |
| 60                 | PAFZZ              | 21335       | MB545DDFS464       | • • Bearing, Ball, Airfra . . . . .         | 1          |
| 61                 | PAFZZ              | 96906       | MS21209F1-15L      | • • Insert, Screw Thread . . . . .          | 4          |
| 62                 | PAFZZ              | 96906       | MS27576-3-12       | • Bolt, Close Toleranc . . . . .            | 1          |
| 63                 | PAFZZ              | 80205       | NAS1191-06P6LH     | • Screw, Cap, Socket He . . . . .           | 2          |
| END OF FIGURE      |                    |             |                    |                                             |            |





M09-676E

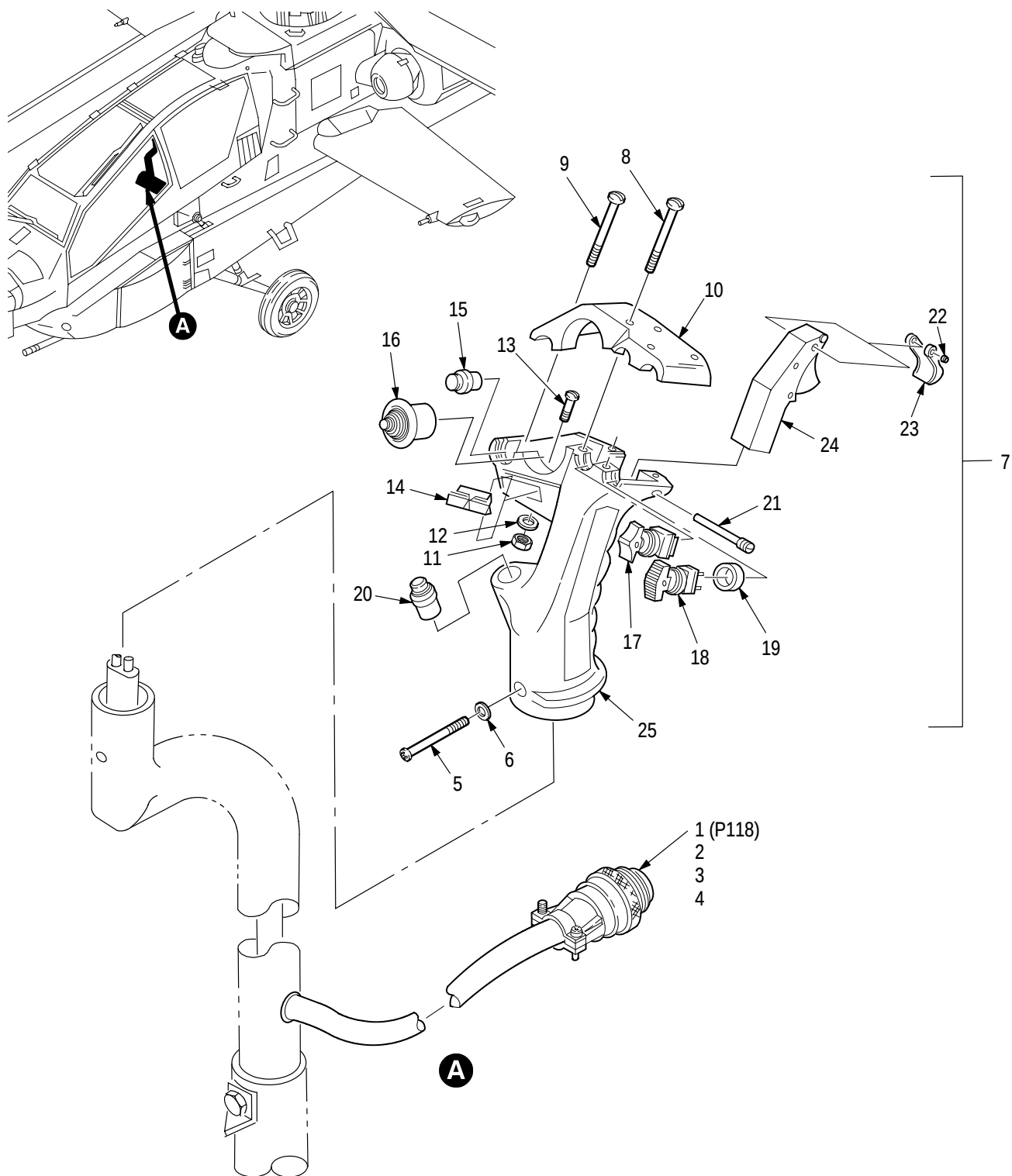
Figure 604. Group 11 Stick Installation, Copilot/Gunner Cyclic  
7-311515000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                         | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 604 Stick Installation, Copilot/Gunner Cyclic<br>7-311515000 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex . . . . .                                                                   | 1          |
| 2                  | PAOZZ              | 80205       | NAS1149D0332K      | • Washer, Flat . . . . .                                                                            | 26         |
| 3                  | PAOZZ              | 80205       | NAS6203-12H        | • Bolt, Shear . . . . .                                                                             | 1          |
| 4                  | PAOZZ              | 8V613       | 7-211515053-3      | • Retainer, Base, Cycli . . . . .                                                                   | 1          |
| 5                  | PAOZZ              | 80205       | NAS6203-2          | • Bolt, Shear . . . . .                                                                             | 4          |
| 6                  | PAOZZ              | 8V613       | 7-311515052-5      | • Cover, Cyclic Stick . . . . .                                                                     | 1          |
| 7                  | PAOZZ              | 8V613       | 7-311515052-4      | • Cover, Access . . . . .                                                                           | 1          |
| 8                  | PAOZZ              | 80205       | NAS603-9           | • Screw, Machine . . . . .                                                                          | 14         |
| 9                  | PAOOO              | 8V613       | 7-211515072-7      | • Cover Assy, Support . . . . .                                                                     | 1          |
| 10                 | PAOZZ              | 80205       | NAS603-9P          | • • Screw, Machine . . . . .                                                                        | 2          |
| 11                 | PAOZZ              | 59875       | TX90790-34         | • • Washer, Flat . . . . .                                                                          | 2          |
| 12                 | PAOZZ              | 8V613       | 7-211514067        | • • Cindicator, Cyclic, L . . . . .                                                                 | 1          |
| 13                 | PAOZZ              | 80205       | MS21059L3          | • • Nut, Self-Locking, Pl . . . . .                                                                 | 2          |
| 14                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter . . . . .                                                                             | 2          |
| 15                 | PAOZZ              | 96906       | MS17826-4          | • Nut, Self-Locking, Sl . . . . .                                                                   | 1          |
| 16                 | PAOZZ              | 80205       | NAS1149D0416K      | • Washer, Flat . . . . .                                                                            | 2          |
| 17                 | PAOZZ              | 80205       | NAS6204-13D        | • Bolt, Shear . . . . .                                                                             | 1          |
| 18                 | PAOZZ              | 02731       | HS5542-04038       | • Bushing, Sleeve . . . . .                                                                         | 2          |
| 19                 | PAOOO              | 8V613       | 7-311515001-7      | • Control Stick, Aircr<br>(See Figs. 605 and 606 for Breakdown) . . . . .                           | 1          |
| 20                 | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As . . . . .                                                                   | 1          |
| 21                 | PAOZZ              | 96906       | MS27576-4-14       | • Bolt, Close Toleranc . . . . .                                                                    | 1          |
| 22                 | PAOFF              | 8V613       | 7-115114052        | • Connecting Link, Rig . . . . .                                                                    | 1          |
| 23                 | PAFZZ              | 02731       | HS5396-0004        | • • Bearing, Roller, Airf . . . . .                                                                 | 2          |
| 24                 | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex . . . . .                                                                   | 2          |
| 25                 | PAOZZ              | 80205       | NAS1149DN616J      | • Washer, Flat . . . . .                                                                            | 2          |
| 26                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex . . . . .                                                                   | 2          |
| 27                 | PAOZZ              | 80205       | NAS1149D0363J      | • Washer, Flat . . . . .                                                                            | 2          |
| 28                 | PAOZZ              | 80205       | NAS1096-3-7        | • Screw, Machine . . . . .                                                                          | 2          |
| 29                 | PAOZZ              | 81349       | M83413/8-A05AB     | • Lead, Electrical . . . . .                                                                        | 2          |
| 30                 | PAOZZ              | 81343       | SAE-AS-7351        | • Clamp, Loop . . . . .                                                                             | 2          |
| 31                 | PAOZZ              | 10001       | AN381-2-8          | • Pin, Cotter . . . . .                                                                             | 4          |
| 32                 | PAOZZ              | 96906       | MS21224-3          | • Nut, Self-Locking, As . . . . .                                                                   | 4          |
| 33                 | PAOZZ              | 96906       | MS27576-3-09       | • Bolt, Close Toleranc . . . . .                                                                    | 2          |
| 34                 | PAOZZ              | 96906       | MS27576-3-11       | • Bolt, Close Toleranc . . . . .                                                                    | 2          |
| 35                 | PAOZZ              | 96906       | MS21151-7C         | • Bearing, Ball, Rod En . . . . .                                                                   | 2          |
| 36                 | PAOZZ              | 02731       | HS5542-03013       | • Bushing, Sleeve . . . . .                                                                         | 2          |
| 37                 | XDOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon . . . . .                                                                     | 2          |
| 38                 | PAOZZ              | 80205       | NAS513-4           | • Washer, Key . . . . .                                                                             | 2          |
| 39                 | PAOZZ              | 8V613       | 7-115200106-3      | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                                | 2          |
| 39                 | PAOZZ              | 8V613       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) . . . . .                                        | 2          |
| 40                 | PAOZZ              | 80205       | NAS6204-9          | • Bolt, Shear . . . . .                                                                             | 4          |
| 41                 | PAOZZ              | 80205       | NAS1149D0463K      | • Washer, Flat . . . . .                                                                            | 4          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                               | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------|------------|
| 42                 | PAOFF              | 8V613       | 7-311515074-11     | • Housing Assembly, Cy<br>(See Figs. 607 and 608 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) .....      | 1          |
| 42                 | PAOFF              | 8V613       | 7-311515074-9      | • Housing Assembly, Cy<br>(See Figs. 607 and 608 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) ..... | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                           |            |



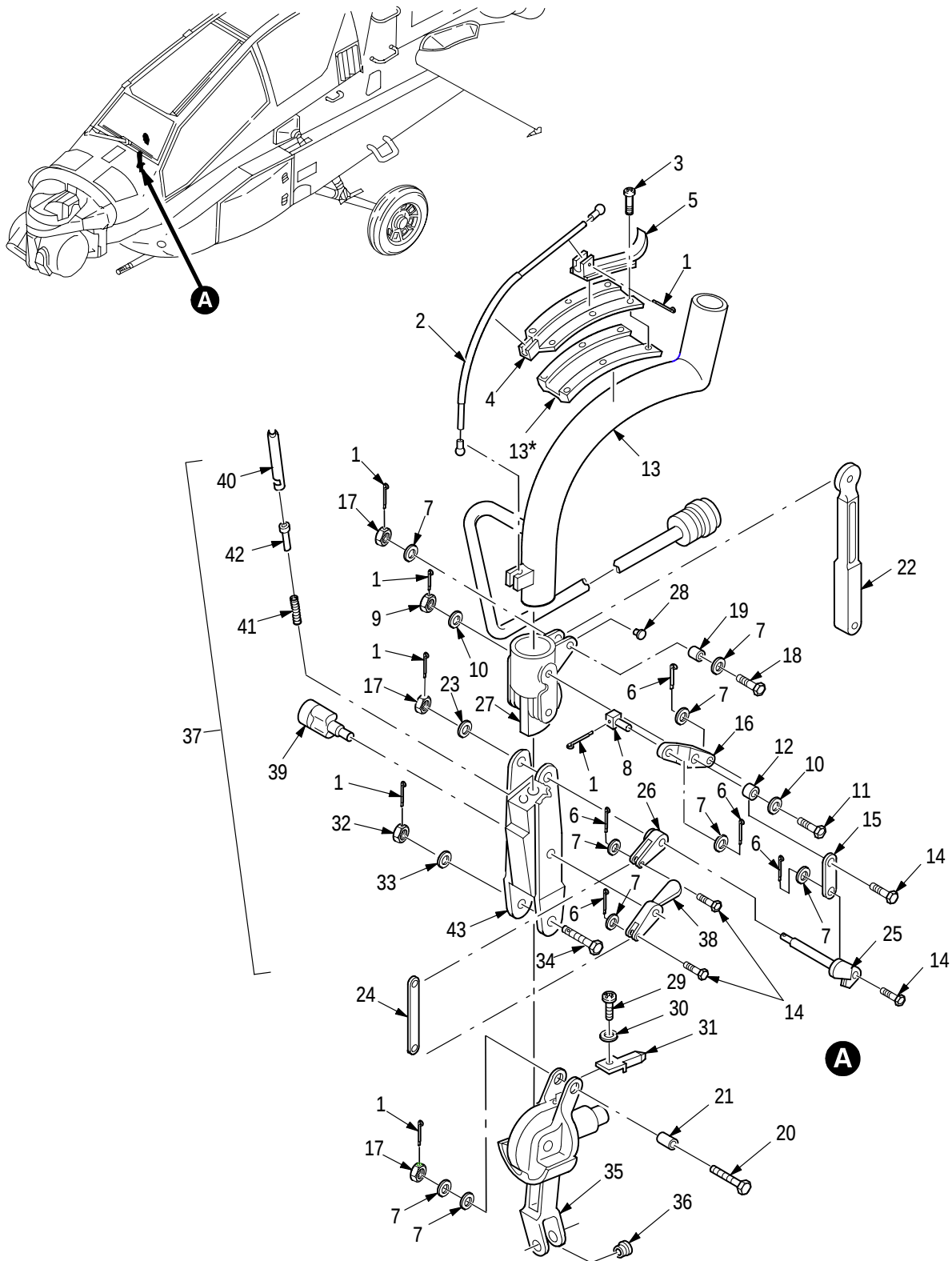




M09-920C

Figure 605. Group 11 Control Stick, Aircraft (Part 1)  
7-311515001-7

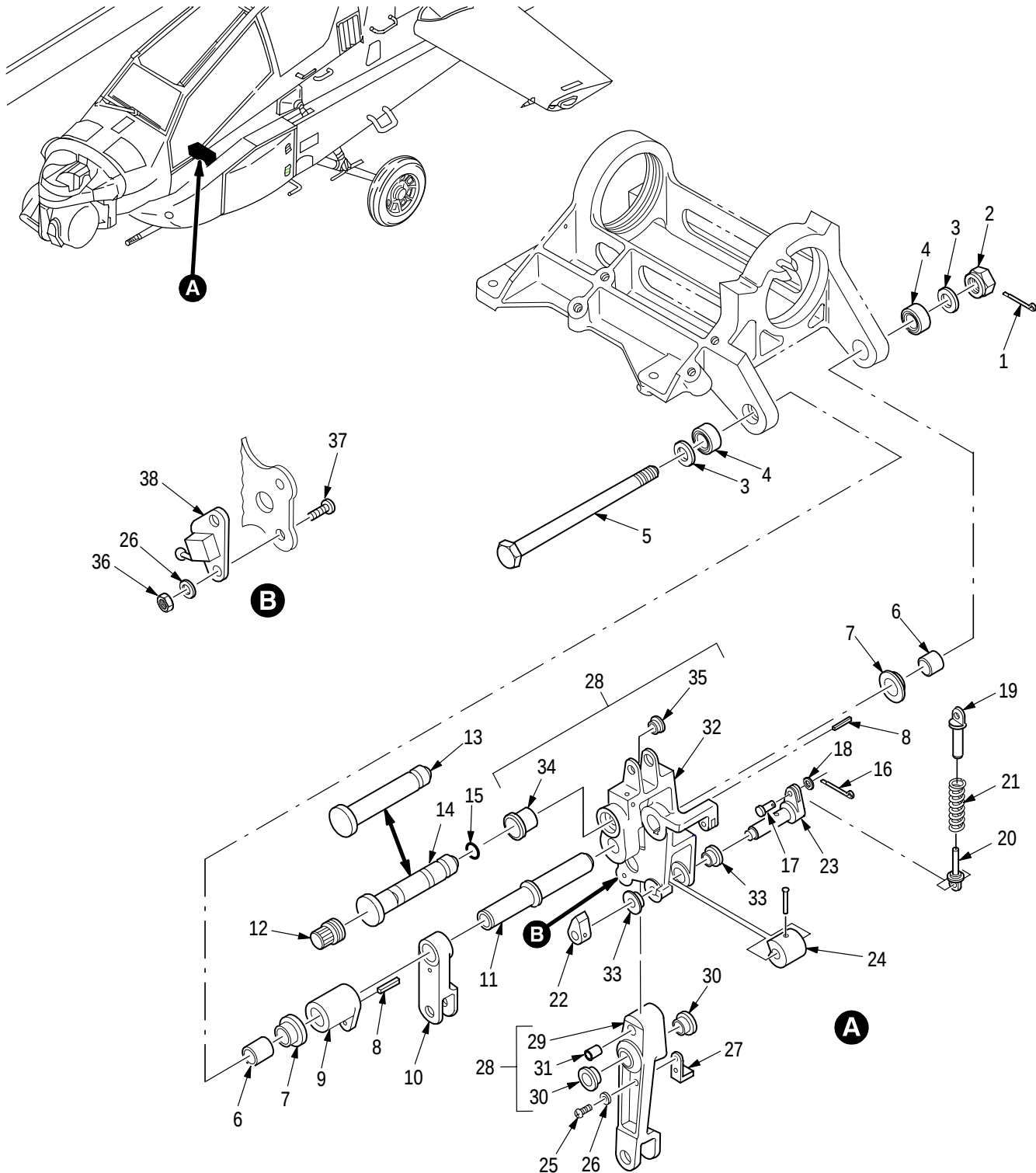
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 605 Control Stick, Aircraft (Part 1)<br>7-311515001-7<br>See Fig. 604 for NHA |            |
| 1                  | PAOZA              | 81349       | M83723/76R1831N    | • Connector, Plug, Elec .....                                                                                        | 1          |
| 2                  | PAOZZ              | 81349       | M85049/31-18W      | • Adapter, Cable Clamp .....                                                                                         | 1          |
| 3                  | PAOZA              | 81349       | M39029/4-110       | • Contact, Electrical .....                                                                                          | 31         |
| 4                  | PAOZZ              | 96906       | MS27488-20         | • Plug, End Seal, Elect .....                                                                                        | 2          |
| 5                  | PAOZZ              | 80205       | NAS623-3-22        | • Screw, Machine .....                                                                                               | 1          |
| 6                  | PAOZZ              | 96906       | MS35333-39         | • Washer, Lock .....                                                                                                 | 1          |
| 7                  | PAOOO              | 8V613       | 7-211515008        | • Grip Assembly, Contr .....                                                                                         | 1          |
| 8                  | PAOZZ              | 96906       | MS51957-16B        | • • Screw, Machine .....                                                                                             | 5          |
| 9                  | PAOZZ              | 96906       | MS51957-15B        | • • Screw, Machine .....                                                                                             | 1          |
| 10                 | PAOZZ              | 81579       | 714-201-206        | • • Cap, Grip, Engraved .....                                                                                        | 1          |
| 11                 | PAOZZ              | 96906       | MS35649-224        | • • Nut, Plain, Hexagon .....                                                                                        | 2          |
| 12                 | PAOZZ              | 96906       | MS35333-69         | • • Washer, Lock .....                                                                                               | 2          |
| 13                 | PAOZZ              | 96906       | MS51957-3          | • • Screw, Machine .....                                                                                             | 2          |
| 14                 | PAOZZ              | 81579       | 997-0002           | • • Switch, Grip Control .....                                                                                       | 1          |
| 15                 | PAOZZ              | 96906       | MS25089-1A         | • • Switch, Push .....                                                                                               | 1          |
| 16                 | PAOZZ              | 81579       | 404-4310           | • • Switch, Toggle .....                                                                                             | 1          |
| 17                 | PAOZZ              | 81579       | 997-0145           | • • Switch, Toggle .....                                                                                             | 1          |
| 18                 | PAOZZ              | 81579       | 997-0105           | • • Switch, Toggle .....                                                                                             | 1          |
| 19                 | PAOZZ              | 81579       | 714-206-1          | • • Spacer, Grip Control .....                                                                                       | 1          |
| 20                 | PAOZZ              | 96906       | MS25089-2A         | • • Switch, Push .....                                                                                               | 1          |
| 21                 | PAOZZ              | 81579       | 714-279-1          | • • Pin, Grip Control .....                                                                                          | 1          |
| 22                 | PAOZZ              | 81579       | 714-231-1          | • • Spring, Helical, Tors .....                                                                                      | 1          |
| 23                 | PAOZZ              | 81579       | 714-216-1          | • • Guard, Grip Control .....                                                                                        | 1          |
| 24                 | PAOZZ              | 81579       | 405-4300           | • • Switch, Trigger .....                                                                                            | 1          |
| 25                 | PAOZZ              | 81579       | 714-040-9          | • • Grip Assembly, Contr .....                                                                                       | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                      |            |



M09-677C

Figure 606. Group 11 Control Stick, Aircraft (Part 2)  
7-311515001-7

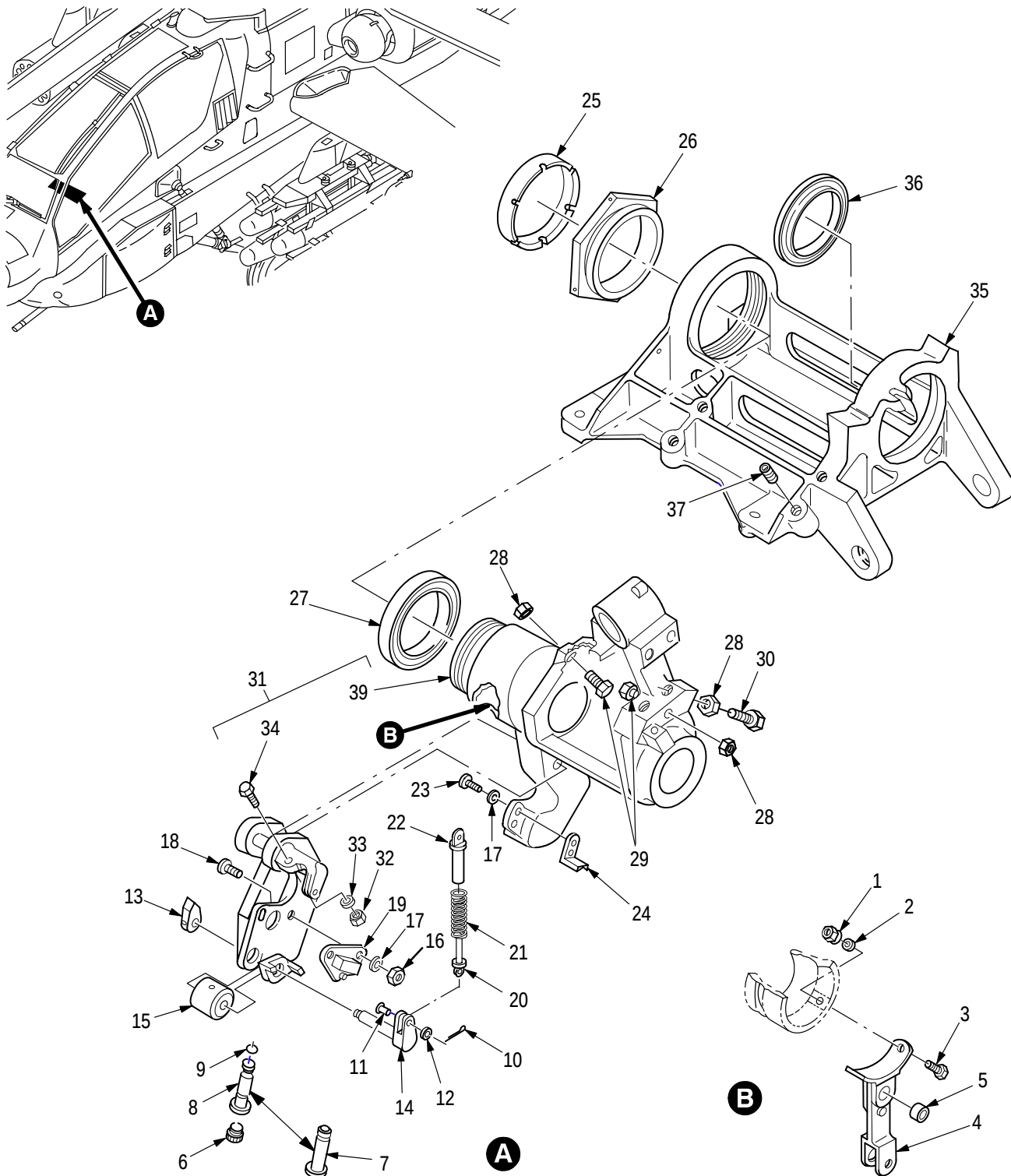
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER      | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|-------------------------|----------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                         | Group 11 Flight Control System<br>Fig. 606 Control Stick, Aircraft (Part 2)<br>7-311515001-7<br>See Fig. 604 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS24665-153             | • Pin, Cotter .....                                                                                                  | 7          |
| 2                  | PAOZZ              | 8V613       | 7-211515067-5           | • Wire Rope Assembly, .....                                                                                          | 1          |
| 3                  | PAOZZ              | 80205       | NAS1190-04P-6           | • Screw, Cap, Socket He .....                                                                                        | 6          |
| 4                  | PAOZZ              | 8V613       | 7-211515070-3           | • Retainer, Lever, Cycl .....                                                                                        | 1          |
| 5                  | XDOZZ              | 8V613       | 7-211515069-3           | • Lever, Lock-Release .....                                                                                          | 1          |
| 6                  | PAOZZ              | 96906       | MS24665-151             | • Pin, Cotter .....                                                                                                  | 5          |
| 7                  | PAOZZ              | 59875       | TX90790-34              | • Washer, Flat .....                                                                                                 | 9          |
| 8                  | PAOZZ              | 8V613       | 7-211515066             | • Fitting, Cable to Le .....                                                                                         | 1          |
| 9                  | PAOZZ              | 96906       | MS17826-4               | • Nut, Self-Locking, Sl .....                                                                                        | 1          |
| 10                 | PAOZZ              | 88044       | AN960PD416              | • Washer, Flat .....                                                                                                 | 2          |
| 11                 | PAOZZ              | 80205       | NAS6204-32D             | • Bolt, Shear .....                                                                                                  | 1          |
| 12                 | PAOZZ              | 02731       | HS610SP3745R250X4<br>06 | • Bushing, Sleeve .....                                                                                              | 1          |
| 13                 | PAOZZ              | 8V613       | 7-211515056-19          | • Tube Assy, Cyclic .....                                                                                            | 1          |
| 14                 | PAOZZ              | 96906       | MS9463-06               | • Pin, Straight, Hea .....                                                                                           | 4          |
| 15                 | XDOZZ              | 8V613       | 7-211515062-5           | • Connecting Link, Rig .....                                                                                         | 1          |
| 16                 | PAOZZ              | 8V613       | 7-211515065             | • Lever, Remote Contro .....                                                                                         | 1          |
| 17                 | PAOZZ              | 96906       | MS17826-3               | • Nut, Self-Locking, Sl .....                                                                                        | 3          |
| 18                 | PAOZZ              | 80205       | NAS6203-11D             | • Bolt, Shear .....                                                                                                  | 1          |
| 19                 | PAOZZ              | 02731       | HS5542-03023            | • Bushing, Sleeve .....                                                                                              | 1          |
| 20                 | PAOZZ              | 80205       | NAS6203-16D             | • Bolt, Shear .....                                                                                                  | 1          |
| 21                 | PAOZZ              | 02731       | HS5542-03024            | • Bushing, Sleeve .....                                                                                              | 1          |
| 22                 | PAOZZ              | 8V613       | 7-211515057             | • Connecting Link, Rig .....                                                                                         | 1          |
| 23                 | PAOZZ              | 88044       | AN960PD10               | • Washer, Flat .....                                                                                                 | 1          |
| 24                 | XDOZZ              | 8V613       | 7-211515062-3           | • Connecting Link, Rig .....                                                                                         | 1          |
| 25                 | PAOZZ              | 8V613       | 7-211515064             | • Lever, Lock-Release .....                                                                                          | 1          |
| 26                 | PAOZZ              | 8V613       | 7-211515063             | • Lever, Lock-Release .....                                                                                          | 1          |
| 27                 | PAOOO              | 8V613       | 7-311515055             | • Fitting Assembly .....                                                                                             | 1          |
| 28                 | PAOZZ              | 02731       | HS4173C3-0.09           | • Bushing, Sleeve .....                                                                                              | 1          |
| 29                 | PAOZZ              | 80205       | NAS1190-04P4L           | • Screw, Cap, Socket He .....                                                                                        | 1          |
| 30                 | PAOZZ              | 88044       | AN960-4L                | • Washer, Flat .....                                                                                                 | 1          |
| 31                 | PAOZZ              | 8V613       | 7-211515084             | • Indicator, Position .....                                                                                          | 1          |
| 32                 | PAOZZ              | 96906       | MS17826-5               | • Nut, Self-Locking, Sl .....                                                                                        | 1          |
| 33                 | PAOZZ              | 88044       | AN960PD516              | • Washer, Flat .....                                                                                                 | 1          |
| 34                 | PAOZZ              | 8V613       | 7-211515071             | • Bolt, Shoulder .....                                                                                               | 1          |
| 35                 | PAOOO              | 8V613       | 7-311515005-9           | • Base Assy, Cyclic .....                                                                                            | 1          |
| 36                 | PAOZZ              | 02731       | HS606S4-6               | • Bushing, Sleeve .....                                                                                              | 1          |
| 37                 | PAOOO              | 8V613       | 7-211515073             | • Lock Assy, Cyclic, Ad .....                                                                                        | 1          |
| 38                 | PAOZZ              | 8V613       | 7-211515061             | • Handle, Lock Release .....                                                                                         | 1          |
| 39                 | PAOZZ              | 8V613       | 7-211515060             | • Pin, Eccentric .....                                                                                               | 1          |
| 40                 | PAOZZ              | 8V613       | 7-211515058             | • Pin, Grooved, Headles .....                                                                                        | 2          |
| 41                 | PAOZZ              | 96906       | MS24585-1211            | • Spring, Helical, Comp .....                                                                                        | 2          |
| 42                 | PAOZZ              | 8V613       | 7-211515083             | • Stop, Flight Control .....                                                                                         | 2          |
| 43                 | PAOZZ              | 8V613       | 7-211515054             | • Housing, Flight Cont .....                                                                                         | 1          |
| END OF FIGURE      |                    |             |                         |                                                                                                                      |            |



M09-678F

Figure 607. Group 11 Housing Assembly, Cyclic, Copilot/Gunner (Part 1)  
 7-311515074-9 (Usbl Eff 82-23355 thru 88-0199)  
 7-311515074-11 (Usbl Eff 88-0200 and Subs)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 607 Housing Assembly, Cyclic,<br>Copilot/Gunner (Part 1)<br>7-311515074-9<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-311515074-11<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 604 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                                                                                                                                           | 1          |
| 2                  | PAFZZ              | 96906       | MS21224-5          | • Nut, Self-Locking, As .....                                                                                                                                                                                                 | 1          |
| 3                  | PAFZZ              | 88044       | AN960KD516         | • Washer, Flat .....                                                                                                                                                                                                          | 2          |
| 4                  | PAFZZ              | 96906       | MS27641-5          | • Bearing, Ball, Airfra .....                                                                                                                                                                                                 | 2          |
| 5                  | PAFZZ              | 96906       | MS27576-5-83       | • Bolt, Close Toleranc .....                                                                                                                                                                                                  | 1          |
| 6                  | PAFZZ              | 80205       | NAS43HT5-6         | • Spacer, Ring .....                                                                                                                                                                                                          | 2          |
| 7                  | PAFZZ              | 8V613       | 7-211514094-3      | • Retainer, Output Arm .....                                                                                                                                                                                                  | 2          |
| 8                  | PAFZZ              | 96906       | MS20066-77         | • Key, Machine .....                                                                                                                                                                                                          | 2          |
| 9                  | PAFZZ              | 8V613       | 7-211515080-3      | • Collar, Drive, Transd .....                                                                                                                                                                                                 | 1          |
| 10                 | PAFZZ              | 8V613       | 7-211514090-3      | • Arm, Input, Transduce .....                                                                                                                                                                                                 | 1          |
| 11                 | PAFZZ              | 8V613       | 7-211514093        | • Shaft, Output Arm, La .....                                                                                                                                                                                                 | 1          |
| 12                 | PAOZZ              | 8V613       | 7-211514083        | • Retainer, Shear Pin .....                                                                                                                                                                                                   | 1          |
| 13                 | PAFZZ              | 8V613       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) .....                                                                                                                                                              | 1          |
| 14                 | PAOZZ              | 8V613       | 7-211514082        | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                                      | 1          |
| 15                 | PAFZZ              | 88044       | AN6227-4           | • Packing, Preformed .....                                                                                                                                                                                                    | 1          |
| 16                 | PAFZZ              | 96906       | MS24665-151        | • Pin, Cotter .....                                                                                                                                                                                                           | 2          |
| 17                 | PAFZZ              | 96906       | MS9462-06          | • Pin, Straight, Headed .....                                                                                                                                                                                                 | 2          |
| 18                 | PAFZZ              | 88044       | AN960C4            | • Washer, Flat .....                                                                                                                                                                                                          | 2          |
| 19                 | PAFZZ              | 8V613       | 7-311514086        | • Guide, Spring, Extern .....                                                                                                                                                                                                 | 1          |
| 20                 | PAFZZ              | 8V613       | 7-311514087        | • Guide, Spring, Intern .....                                                                                                                                                                                                 | 1          |
| 21                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp .....                                                                                                                                                                                                 | 1          |
| 22                 | PAFZZ              | 8V613       | 7-311514085        | • Shaft, Straight .....                                                                                                                                                                                                       | 1          |
| 23                 | PAFZZ              | 8V613       | 7-311514084-5      | • Shaft, Actuator, Swit .....                                                                                                                                                                                                 | 1          |
| 24                 | PAFZZ              | 8V613       | 7-311514102        | • Cam, Control .....                                                                                                                                                                                                          | 1          |
| 25                 | PAFZZ              | 96906       | MS35275-228        | • Screw, Machine .....                                                                                                                                                                                                        | 2          |
| 26                 | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat .....                                                                                                                                                                                                          | 4          |
| 27                 | PAFZZ              | 8V613       | 7-311514103-5      | • Detent, Sweep Lever .....                                                                                                                                                                                                   | 1          |
| 28                 | PAFFF              | 8V613       | 7-311514097-9      | • Arm Assy, Flight Con .....                                                                                                                                                                                                  | 1          |
| 29                 | XAFFF              | 8V613       | 7-311514089-13     | • • Arm Assy .....                                                                                                                                                                                                            | 1          |
| 30                 | PAFZZ              | 02731       | HS606B9-28         | • • • Bushing, Sleeve .....                                                                                                                                                                                                   | 2          |
| 31                 | PAFZZ              | 8V613       | 7-311514096        | • • • Bushing, Sleeve .....                                                                                                                                                                                                   | 1          |
| 32                 | XAFFF              | 8V613       | 7-311514088-23     | • • Arm Assy .....                                                                                                                                                                                                            | 1          |
| 33                 | PAFZZ              | 8V613       | 7-311514101        | • • • Bearing, Sleeve .....                                                                                                                                                                                                   | 2          |
| 34                 | PAFZZ              | 8V613       | 7-211514095-3      | • • • Bearing, Sleeve .....                                                                                                                                                                                                   | 1          |
| 35                 | PAFZZ              | 02731       | HS606S4-6          | • • • Bushing, Sleeve .....                                                                                                                                                                                                   | 1          |
| 36                 | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex .....                                                                                                                                                                                                 | 4          |
| 37                 | PAFZZ              | 96906       | MS35275-229        | • Screw, Machine (Usbl Eff 82-23355 thru 88-0199) .....                                                                                                                                                                       | 2          |
| 37                 | PAFZZ              | 80205       | NAS1190-06P7       | • Screw, Cap, Socket He (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                                     | 2          |
| 38                 | PAFZZ              | 8V613       | 7-311514104-11     | • Switch Sub Assembly (Usbl Eff 82-23355 thru 88-0199) .                                                                                                                                                                      | 1          |
| 38                 | PAFZZ              | 8V613       | 7-311514104-15     | • Switch Sub Assembly (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                                       | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                                                                                               |            |

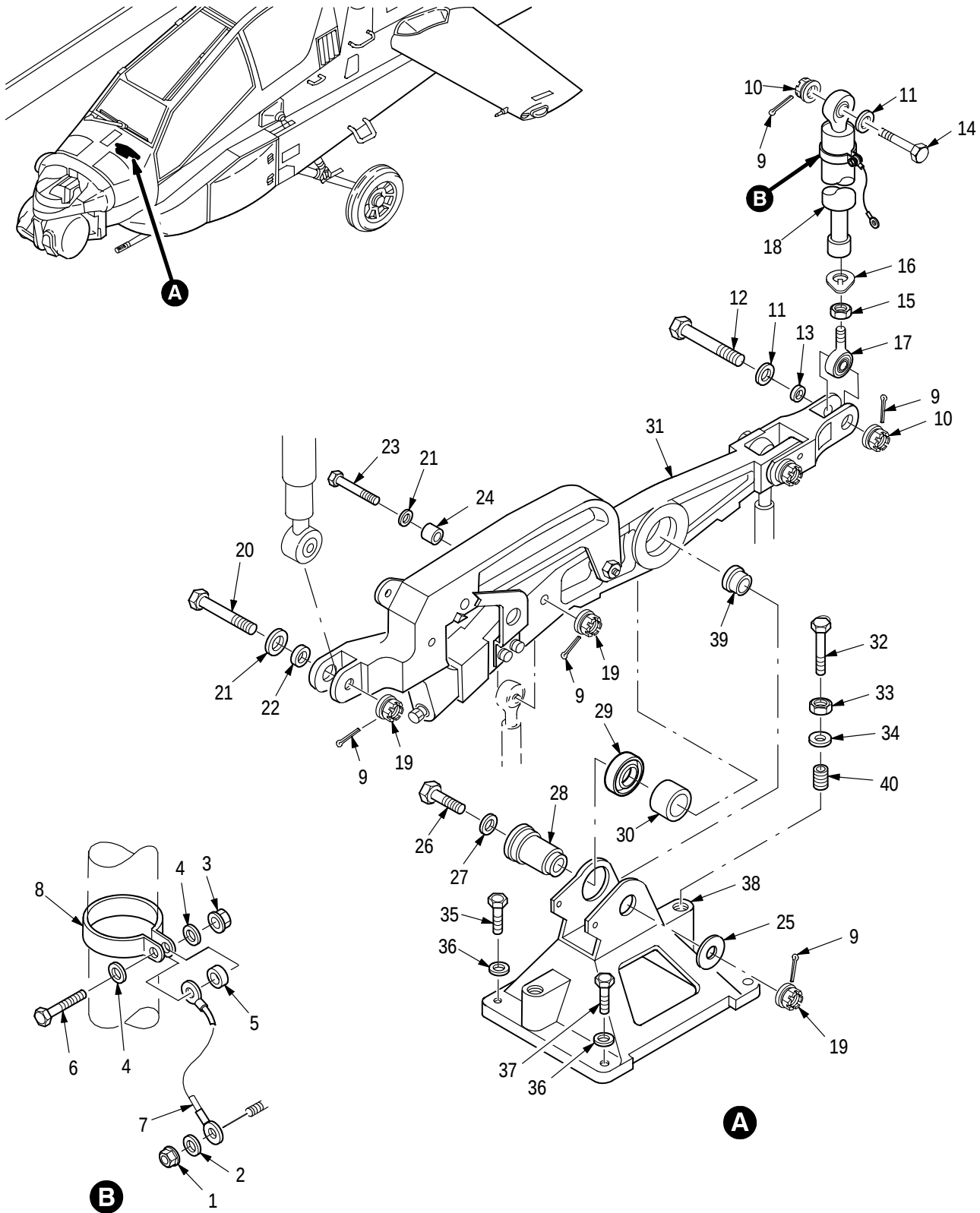


M09-951D

Figure 608. Group 11 Housing Assembly, Cyclic, Copilot/Gunner (Part 2)  
 7-311515074-9 (Usbl Eff 82-23355 thru 88-0199)  
 7-311515074-11 (Usbl Eff 88-0200 and Subs)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 608 Housing Assembly, Cyclic,<br>Copilot/Gunner (Part 2)<br>7-311515074-9<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-311515074-11<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 604 for NHA |            |
| 1                  | PAFZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex . . . . .                                                                                                                                                                                             | 2          |
| 2                  | PAFZZ              | 88044       | AN960JD10LL        | • Washer, Flat . . . . .                                                                                                                                                                                                      | 6          |
| 3                  | PAFZZ              | 80205       | NAS6203-6          | • Bolt, Shear . . . . .                                                                                                                                                                                                       | 2          |
| 4                  | PAOFF              | 8V613       | 7-211514079        | • Arm Assy, Input, Cycl . . . . .                                                                                                                                                                                             | 1          |
| 5                  | PAFZZ              | 02731       | HS5542-03011       | • • Bushing, Sleeve . . . . .                                                                                                                                                                                                 | 1          |
| 6                  | PAOZZ              | 8V613       | 7-211514083        | • Retainer, Shear Pin . . . . .                                                                                                                                                                                               | 1          |
| 7                  | PAFZZ              | 8V613       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                                                                                                                                                          | 1          |
| 8                  | PAOZZ              | 8V613       | 7-211514082        | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) . . . . .                                                                                                                                                                  | 1          |
| 9                  | PAFZZ              | 88044       | AN6227-4           | • Packing, Preformed . . . . .                                                                                                                                                                                                | 1          |
| 10                 | PAFZZ              | 96906       | MS24665-151        | • Pin, Cotter . . . . .                                                                                                                                                                                                       | 2          |
| 11                 | PAFZZ              | 96906       | MS9462-06          | • Pin, Straight, Headed . . . . .                                                                                                                                                                                             | 2          |
| 12                 | PAFZZ              | 88044       | AN960C4            | • Washer, Flat . . . . .                                                                                                                                                                                                      | 2          |
| 13                 | PAFZZ              | 8V613       | 7-311514085        | • Shaft, Straight . . . . .                                                                                                                                                                                                   | 1          |
| 14                 | PAOZZ              | 8V613       | 7-311514084-3      | • Shaft, Actuator Swit . . . . .                                                                                                                                                                                              | 1          |
| 15                 | PAFZZ              | 8V613       | 7-311514102        | • Cam, Control . . . . .                                                                                                                                                                                                      | 1          |
| 16                 | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex . . . . .                                                                                                                                                                                             | 4          |
| 17                 | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat . . . . .                                                                                                                                                                                                      | 7          |
| 18                 | PAFZZ              | 80205       | NAS1190-06P7       | • Screw, Cap, Socket He (Usbl Eff 88-0200 and Subs) . . . . .                                                                                                                                                                 | 2          |
| 19                 | PAFZZ              | 8V613       | 7-311514104-13     | • Switch Assy, SPAD (Usbl Eff 82-23355 thru 88-0199) . . . . .                                                                                                                                                                | 1          |
| 19                 | PAFZZ              | 8V613       | 7-311514104-17     | • Switch, Push (Usbl Eff 88-0200 and Subs) . . . . .                                                                                                                                                                          | 1          |
| 20                 | PAFZZ              | 8V613       | 7-311514087        | • Guide, Spring, Intern . . . . .                                                                                                                                                                                             | 1          |
| 21                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp . . . . .                                                                                                                                                                                             | 1          |
| 22                 | PAFZZ              | 8V613       | 7-311514086        | • Guide, Spring, Extern . . . . .                                                                                                                                                                                             | 1          |
| 23                 | PAFZZ              | 96906       | MS35275-227        | • Screw, Machine . . . . .                                                                                                                                                                                                    | 2          |
| 24                 | PAFZZ              | 8V613       | 7-311515085        | • Detent, Rotor Contro . . . . .                                                                                                                                                                                              | 1          |
| 25                 | PAOZZ              | 8V613       | 7-115114025-3      | • Retainer Bearing, Cy . . . . .                                                                                                                                                                                              | 1          |
| 26                 | PAOZZ              | 8V613       | 7-115114022        | • Retainer, Main Rotor . . . . .                                                                                                                                                                                              | 1          |
| 27                 | PAFZZ              | 21335       | MB545DDFS464       | • Bearing, Ball, Airfra . . . . .                                                                                                                                                                                             | 1          |
| 28                 | XDFZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon . . . . .                                                                                                                                                                                               | 4          |
| 29                 | PAFZZ              | 80205       | NAS428K4-13        | • Bolt, Machine . . . . .                                                                                                                                                                                                     | 2          |
| 30                 | PAFZZ              | 80205       | NAS428H4-10        | • Bolt, Machine . . . . .                                                                                                                                                                                                     | 2          |
| 31                 | PAFDD              | 8V613       | 7-311515082-5      | • SPAD Assy, Co-Pilot . . . . .                                                                                                                                                                                               | 1          |
| 32                 | PAFZZ              | 80205       | MS21042L3          | • • Nut, Self-Locking, Ex . . . . .                                                                                                                                                                                           | 1          |
| 33                 | PAFZZ              | 59875       | TX90790-34         | • • Washer, Flat . . . . .                                                                                                                                                                                                    | 1          |
| 34                 | XDFZZ              | 80205       | NAS6203-9          | • • Bolt, Shear . . . . .                                                                                                                                                                                                     | 1          |
| 35                 | PAFFF              | 8V613       | 7-311514023        | • Support Assy, Cyclic . . . . .                                                                                                                                                                                              | 1          |
| 36                 | PAFZZ              | 21335       | MB545DDFS464       | • • Bearing, Ball, Airfra . . . . .                                                                                                                                                                                           | 1          |
| 37                 | PAFZZ              | 96906       | MS21209F1-15L      | • • Insert, Screw Thread . . . . .                                                                                                                                                                                            | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                                                                                               |            |

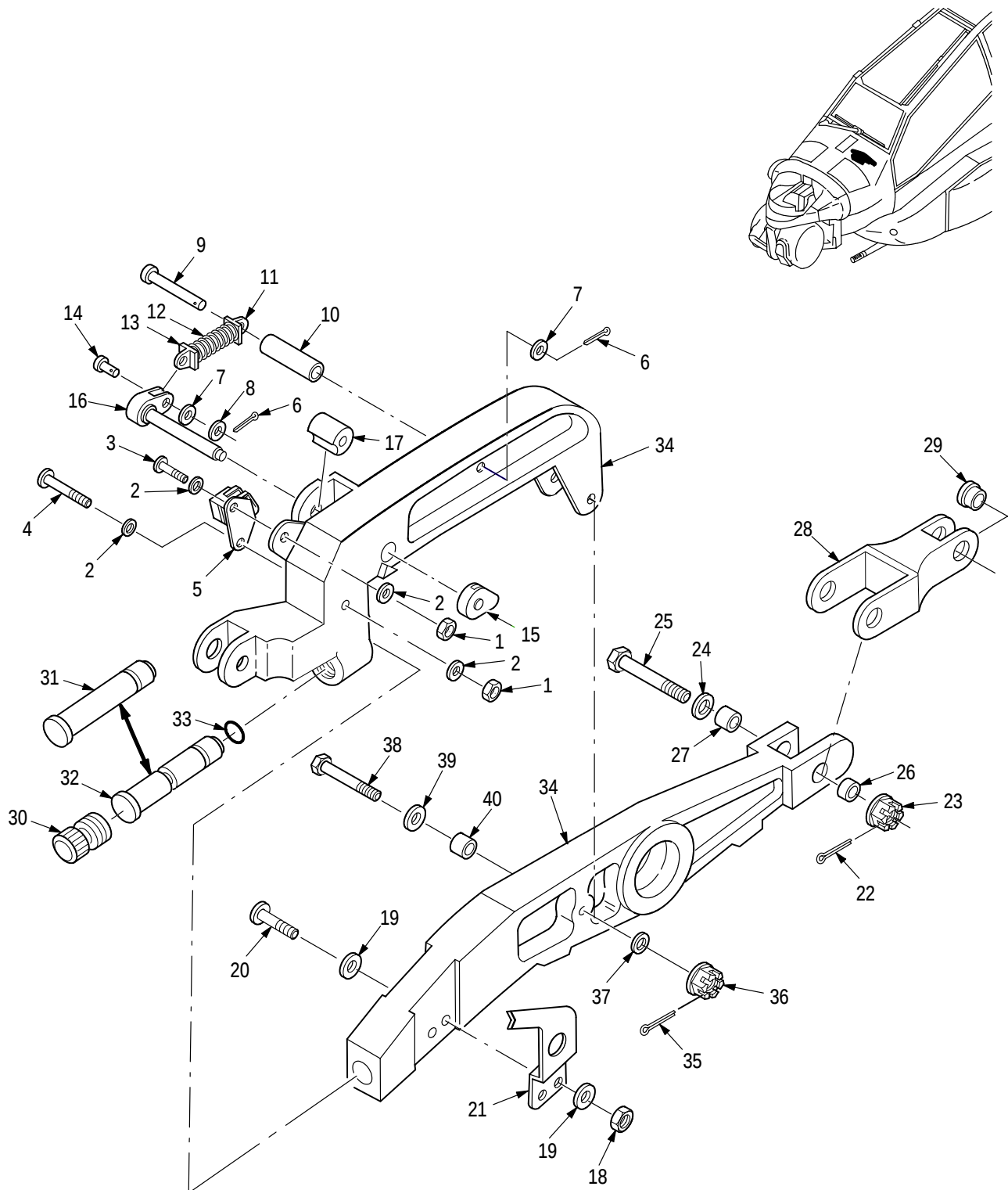




M09-708D

Figure 609. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Directional) (Part 1) 7-311516000

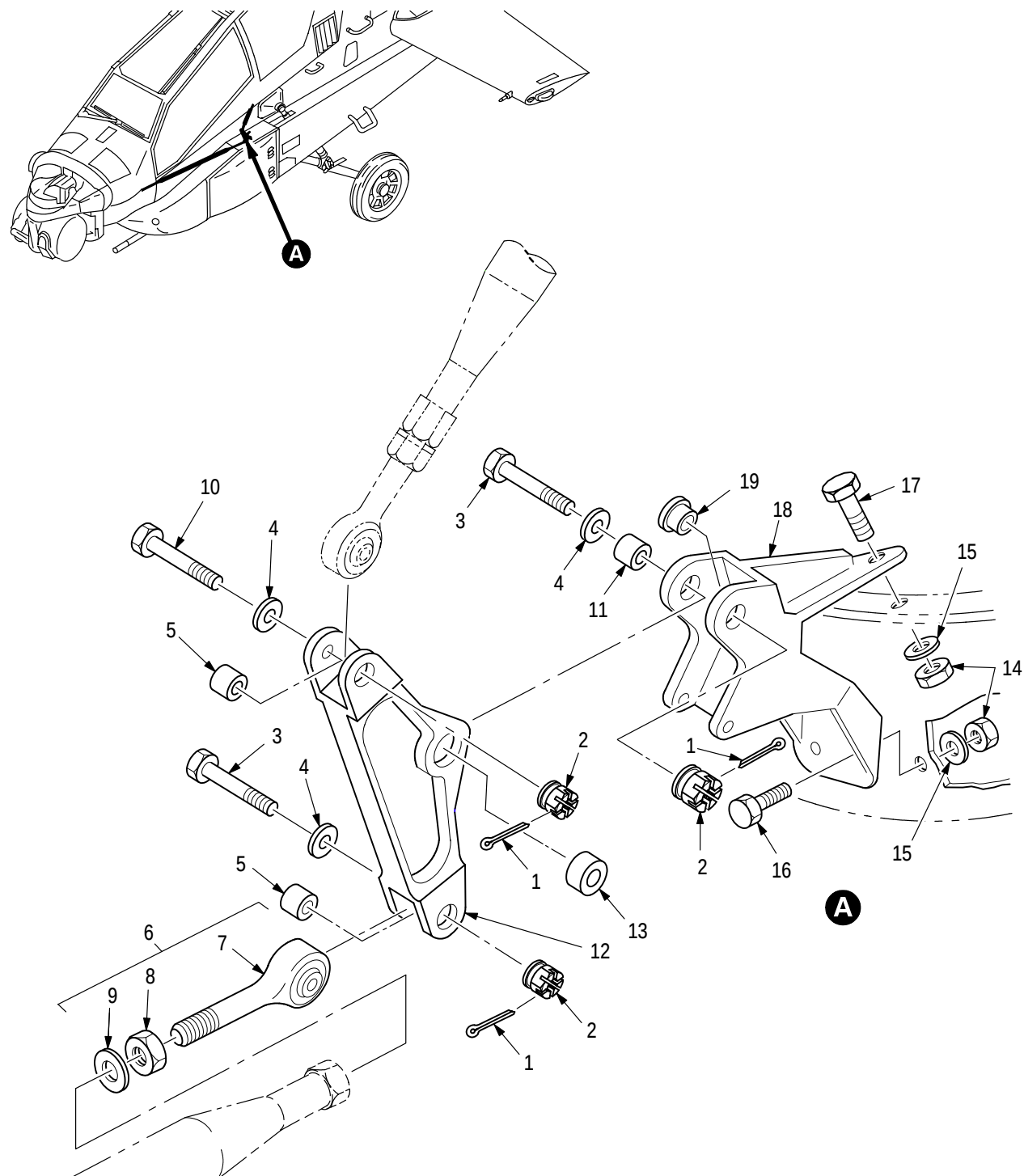
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 609 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Directional) (Part 1)<br>7-311516000 |            |
| 1                  | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                                                                                | 1          |
| 2                  | PAOZZ              | 80205       | NAS1149DN616J      | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                                                         | 1          |
| 3                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                                                                                | 1          |
| 4                  | XDOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                                                         | 2          |
| 5                  | PAOZZ              | 80205       | NAS1149D0363J      | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                                                         | 1          |
| 6                  | PAOZZ              | 80205       | NAS1096-3-7        | • Screw, Machine (Usbl Eff 88-0200 and Subs) . . . . .                                                                                       | 1          |
| 7                  | PAOZZ              | 81349       | M83413/8-A05AB     | • Lead, Electrical (Usbl Eff 88-0200 and Subs) . . . . .                                                                                     | 1          |
| 8                  | PAOZZ              | 81343       | SAE-AS-7351        | • Clamp, Loop (Usbl Eff 88-0200 and Subs) . . . . .                                                                                          | 1          |
| 9                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter . . . . .                                                                                                                      | 5          |
| 10                 | PAOZZ              | 80205       | MS21224-3          | • Nut, Self-Locking, As . . . . .                                                                                                            | 2          |
| 11                 | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat . . . . .                                                                                                                     | 2          |
| 12                 | PAOZZ              | 80205       | MS27576-3-14       | • Bolt, Close Toleranc . . . . .                                                                                                             | 1          |
| 13                 | PAOZZ              | 02731       | HS5542-03026       | • Bushing, Sleeve . . . . .                                                                                                                  | 1          |
| 14                 | PAOZZ              | 96906       | MS27576-3-08       | • Bolt, Close Toleranc . . . . .                                                                                                             | 1          |
| 15                 | PAOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon . . . . .                                                                                                              | 1          |
| 16                 | PAOZZ              | 80205       | NAS513-4           | • Washer, Key . . . . .                                                                                                                      | 1          |
| 17                 | PAOZZ              | 96906       | MS21151-7C         | • Bearing, Ball, Rod En . . . . .                                                                                                            | 1          |
| 18                 | PAOZZ              | 8V613       | 7-115200106-3      | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                                                                         | 1          |
| 18                 | PAOZZ              | 8V613       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) . . . . .                                                                                 | 1          |
| 19                 | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As . . . . .                                                                                                            | 3          |
| 20                 | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc . . . . .                                                                                                             | 1          |
| 21                 | PAFZZ              | 80205       | NAS1149F0432P      | • Washer, Flat . . . . .                                                                                                                     | V          |
| 22                 | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve . . . . .                                                                                                                  | 1          |
| 23                 | PAOZZ              | 80205       | MS27576-4-19       | • Bolt, Close Toleranc . . . . .                                                                                                             | 1          |
| 24                 | PAOZZ              | 02731       | HS5542-04106       | • Bushing, Sleeve . . . . .                                                                                                                  | 1          |
| 25                 | PAOZZ              | 8V613       | 7-311512109        | • Retainer, Flight Con . . . . .                                                                                                             | 1          |
| 26                 | PAOZZ              | 80205       | MS27576-4-12       | • Bolt, Close Toleranc . . . . .                                                                                                             | 1          |
| 27                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat . . . . .                                                                                                                     | V          |
| 28                 | PAOZZ              | 8V613       | 7-211516069        | • Shaft, Input Arm, Rot . . . . .                                                                                                            | 1          |
| 29                 | PAOZZ              | 81343       | MS27646-40         | • Bearing, Ball, Airfra . . . . .                                                                                                            | 1          |
| 30                 | PAOZZ              | 02731       | HS5542-14003       | • Bushing, Sleeve . . . . .                                                                                                                  | 1          |
| 31                 | PAOFF              | 8V613       | 7-311516077-5      | • SPAD Assembly, Direc (See Fig. 610 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                                            | 1          |
| 31                 | PAOFF              | 8V613       | 7-311516077-7      | • SPAD Assembly, Direc (See Fig. 610 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) . . . . .                                                 | 1          |
| 32                 | PAOZZ              | 80205       | NAS428H5-10        | • Bolt, Machine . . . . .                                                                                                                    | 2          |
| 33                 | PAOZZ              | 80205       | NAS509-5           | • Nut, Plain, Hexagon . . . . .                                                                                                              | 2          |
| 34                 | PAOZZ              | 80205       | NAS1149D0563J      | • Washer, Flat . . . . .                                                                                                                     | 2          |
| 35                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear . . . . .                                                                                                                      | 1          |
| 36                 | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat . . . . .                                                                                                                     | V          |
| 37                 | PAOZZ              | 80205       | NAS6604-8          | • Bolt, Shear . . . . .                                                                                                                      | 2          |
| 38                 | PAOFF              | 8V613       | 7-311516065-9      | • Bracket Assy, Direct . . . . .                                                                                                             | 1          |
| 39                 | PAFZZ              | 02731       | HS606S10-12        | • • Bushing, Sleeve . . . . .                                                                                                                | 1          |
| 40                 | PAFZZ              | 96906       | MS51830A203L       | • • Insert, Screw Thread . . . . .                                                                                                           | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                              |            |



M09-709J

Figure 610. Group 11 SPAD Assembly, Directional (Copilot/Gunner)  
 7-311516077-5 (Usbl Eff 82-23355 thru 88-0199)  
 7-311516077-7 (Usbl Eff 88-0200 and Subs)

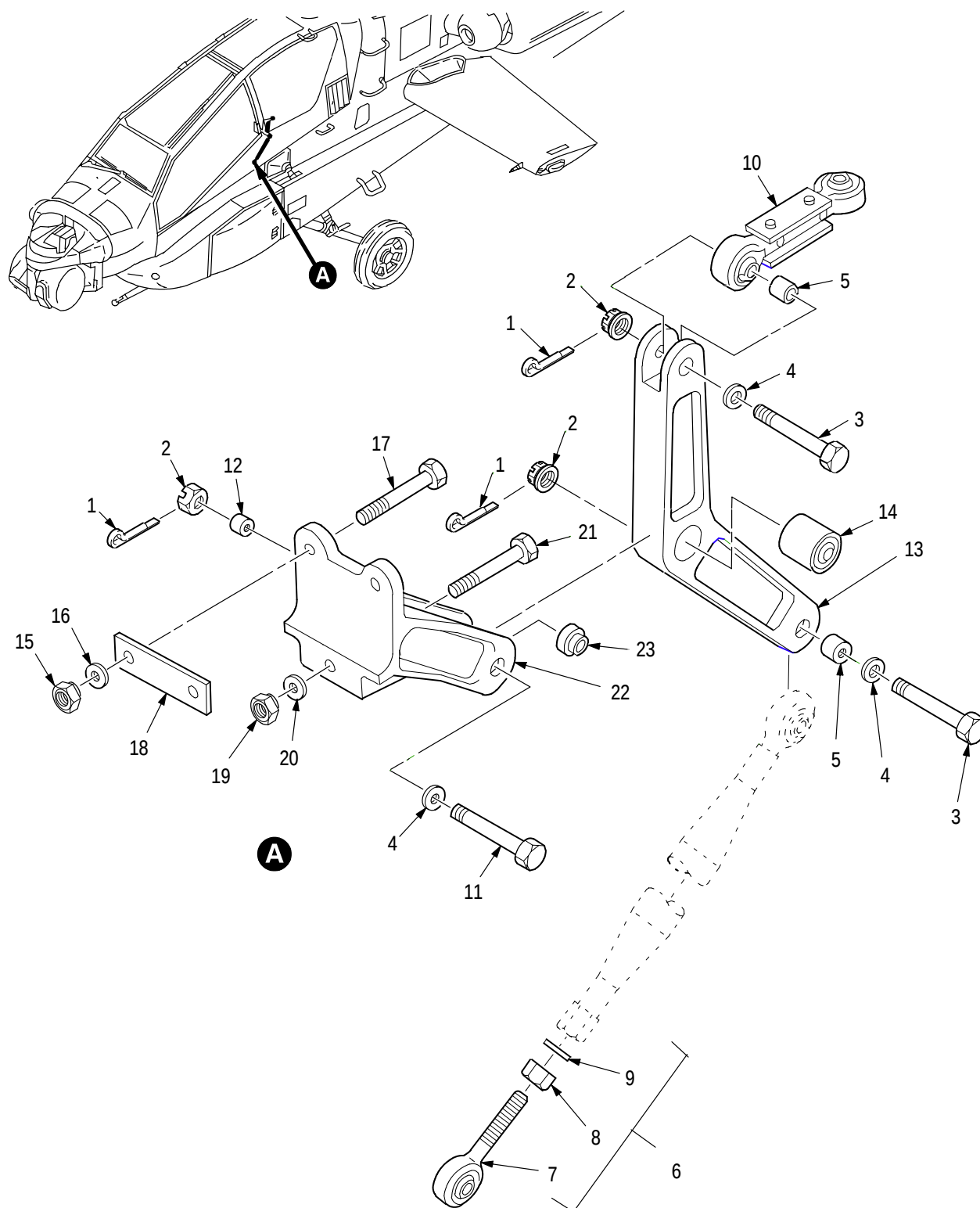
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 610 SPAD Assembly, Directional<br>(Copilot/Gunner)<br>7-311516077-5<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-311516077-7<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 609 for NHA |            |
| 1                  | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex . . . . .                                                                                                                                                                                      | 2          |
| 2                  | PAFZZ              | 88044       | AN960JD6           | • Washer, Flat (Usbl Eff 82-23355 thru 88-0199) . . . . .                                                                                                                                                              | 4          |
| 2                  | PAFZZ              | 88044       | AN960-6            | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                                                                                                                                   | 4          |
| 3                  | PAFZZ              | 96906       | MS35275-230        | • Screw, Machine . . . . .                                                                                                                                                                                             | 1          |
| 4                  | PAFZZ              | 96906       | MS35275-236        | • Screw, Machine . . . . .                                                                                                                                                                                             | 1          |
| 5                  | PAFZZ              | 8V613       | 7-311514104-11     | • Switch Sub Assembly<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                                                                                                                                                    | 1          |
| 5                  | PAFZZ              | 8V613       | 7-311514104-15     | • Switch Sub Assembly (Usbl Eff 88-0200 and Subs) . . . . .                                                                                                                                                            | 1          |
| 6                  | PAFZZ              | 96906       | MS24665-1010       | • Pin, Cotter . . . . .                                                                                                                                                                                                | 2          |
| 7                  | PAFZZ              | 88044       | AN960C4            | • Washer, Flat . . . . .                                                                                                                                                                                               | V          |
| 8                  | PAFZZ              | 88044       | AN960C4L           | • Washer, Flat . . . . .                                                                                                                                                                                               | V          |
| 9                  | PAFZZ              | 96906       | MS20392-1C59       | • Pin, Straight, Headed . . . . .                                                                                                                                                                                      | 1          |
| 10                 | PAFZZ              | 02731       | HS5542-02002       | • Bushing, Sleeve . . . . .                                                                                                                                                                                            | 1          |
| 11                 | PAFZZ              | 8V613       | 7-311514086        | • Guide, Spring, Extern . . . . .                                                                                                                                                                                      | 1          |
| 12                 | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp . . . . .                                                                                                                                                                                      | 1          |
| 13                 | PAFZZ              | 02731       | 7-311514087        | • Guide, Spring, Intern . . . . .                                                                                                                                                                                      | 1          |
| 14                 | PAFZZ              | 96906       | MS9462-06          | • Pin, Straight, Headed . . . . .                                                                                                                                                                                      | 1          |
| 15                 | PAFZZ              | 8V613       | 7-311514085        | • Shaft, Straight . . . . .                                                                                                                                                                                            | 1          |
| 16                 | PAFZZ              | 8V613       | 7-311514084-9      | • Shaft, Actuator Swit . . . . .                                                                                                                                                                                       | 1          |
| 17                 | PAFZZ              | 8V613       | 7-311514102        | • Cam, Control . . . . .                                                                                                                                                                                               | 1          |
| 18                 | PAFZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex . . . . .                                                                                                                                                                                      | 2          |
| 19                 | PAFZZ              | 88044       | AN960JD10L         | • Washer, Flat . . . . .                                                                                                                                                                                               | 4          |
| 20                 | PAFZZ              | 80205       | NAS623-3-12        | • Screw, Machine . . . . .                                                                                                                                                                                             | 2          |
| 21                 | PAFZZ              | 8V613       | 7-311516082        | • Detent, Switch . . . . .                                                                                                                                                                                             | 1          |
| 22                 | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter . . . . .                                                                                                                                                                                                | 1          |
| 23                 | PAFZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As . . . . .                                                                                                                                                                                      | 1          |
| 24                 | PAFZZ              | 88044       | AN960-416L         | • Washer, Flat . . . . .                                                                                                                                                                                               | 1          |
| 25                 | PAFZZ              | 80205       | MS27576-4-25       | • Bolt, Close Toleranc . . . . .                                                                                                                                                                                       | 1          |
| 26                 | PAFZZ              | 02731       | HS5542-04092       | • Bushing, Sleeve . . . . .                                                                                                                                                                                            | 1          |
| 27                 | PAFZZ              | 02731       | HS5542-04108       | • Bushing, Sleeve . . . . .                                                                                                                                                                                            | 1          |
| 28                 | PAFFF              | 8V613       | 7-311516078-5      | • Connecting Link, Rig . . . . .                                                                                                                                                                                       | 1          |
| 29                 | PAFZZ              | 02731       | HS606S3-5          | • Bushing, Sleeve . . . . .                                                                                                                                                                                            | 1          |
| 30                 | PAOZZ              | 8V613       | 7-211514083        | • Retainer, Shear Pin . . . . .                                                                                                                                                                                        | 1          |
| 31                 | PAFZZ              | 8V613       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                                                                                                                                                   | 1          |
| 32                 | PAOZZ              | 8V613       | 7-211514082        | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) . . . . .                                                                                                                                                           | 1          |
| 33                 | PAOZZ              | 88044       | AN6227-4           | • Packing, Preformed . . . . .                                                                                                                                                                                         | 1          |
| 34                 | PAFDD              | 8V613       | 7-311516079-7      | • Arm Assy, Directiona (Matched Set) . . . . .                                                                                                                                                                         | 1          |
| 35                 | PAFZZ              | 80205       | MS24665-153        | • Pin, Cotter . . . . .                                                                                                                                                                                                | 1          |
| 36                 | PAFZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As . . . . .                                                                                                                                                                                      | 1          |
| 37                 | PAFZZ              | 80205       | NAS1149F0463P      | • Washer, Flat . . . . .                                                                                                                                                                                               | 1          |
| 38                 | PAFZZ              | 80205       | MS27576-4-23       | • Bolt, Close Toleranc . . . . .                                                                                                                                                                                       | 1          |
| 39                 | PAFZZ              | 80205       | NAS1149F0432P      | • Washer, Flat . . . . .                                                                                                                                                                                               | 1          |
| 40                 | PAFZZ              | 02731       | HS606S4-84         | • Bushing, Sleeve . . . . .                                                                                                                                                                                            | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                                                                                        |            |



M09-962C

Figure 611. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Directional) (Part 2)  
7-311516000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 611 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Directional) (Part 2)<br>7-311516000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                          | 3          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                                | 3          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                                 | 2          |
| 4                  | PAFZZ              | 80205       | NAS1149F0432P      | • Washer, Flat .....                                                                                                                         | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                                      | 2          |
| 6                  | PAOOO              | 8V613       | 7-211524001-541    | • Push-Pull Rod Assy .....                                                                                                                   | 1          |
| 7                  | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                              | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                                | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                        | 1          |
| 10                 | PAOZZ              | 80205       | MS27576-4-18       | • Bolt, Close Toleranc .....                                                                                                                 | 1          |
| 11                 | PAOZZ              | 02731       | HS5542-04034       | • Bushing, Sleeve .....                                                                                                                      | 1          |
| 12                 | PAOFF              | 8V613       | 7-115116046-9      | • Bell Crank .....                                                                                                                           | 1          |
| 13                 | PAFZZ              | 96906       | MS27647-4A         | • • Bearing, Ball, Airfra .....                                                                                                              | 1          |
| 14                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                                | 2          |
| 15                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                                         | V          |
| 16                 | PAOZZ              | 80205       | NAS6204-4H         | • Bolt, Shear .....                                                                                                                          | 2          |
| 17                 | PAOZZ              | 80205       | NAS6204-5H         | • Bolt, Shear .....                                                                                                                          | 2          |
| 18                 | PAOFF              | 8V613       | 7-311516047        | • Bracket Control, Dir .....                                                                                                                 | 1          |
| 19                 | PAFZZ              | 02731       | HS606S4-8          | • • Bushing, Sleeve .....                                                                                                                    | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                              |            |

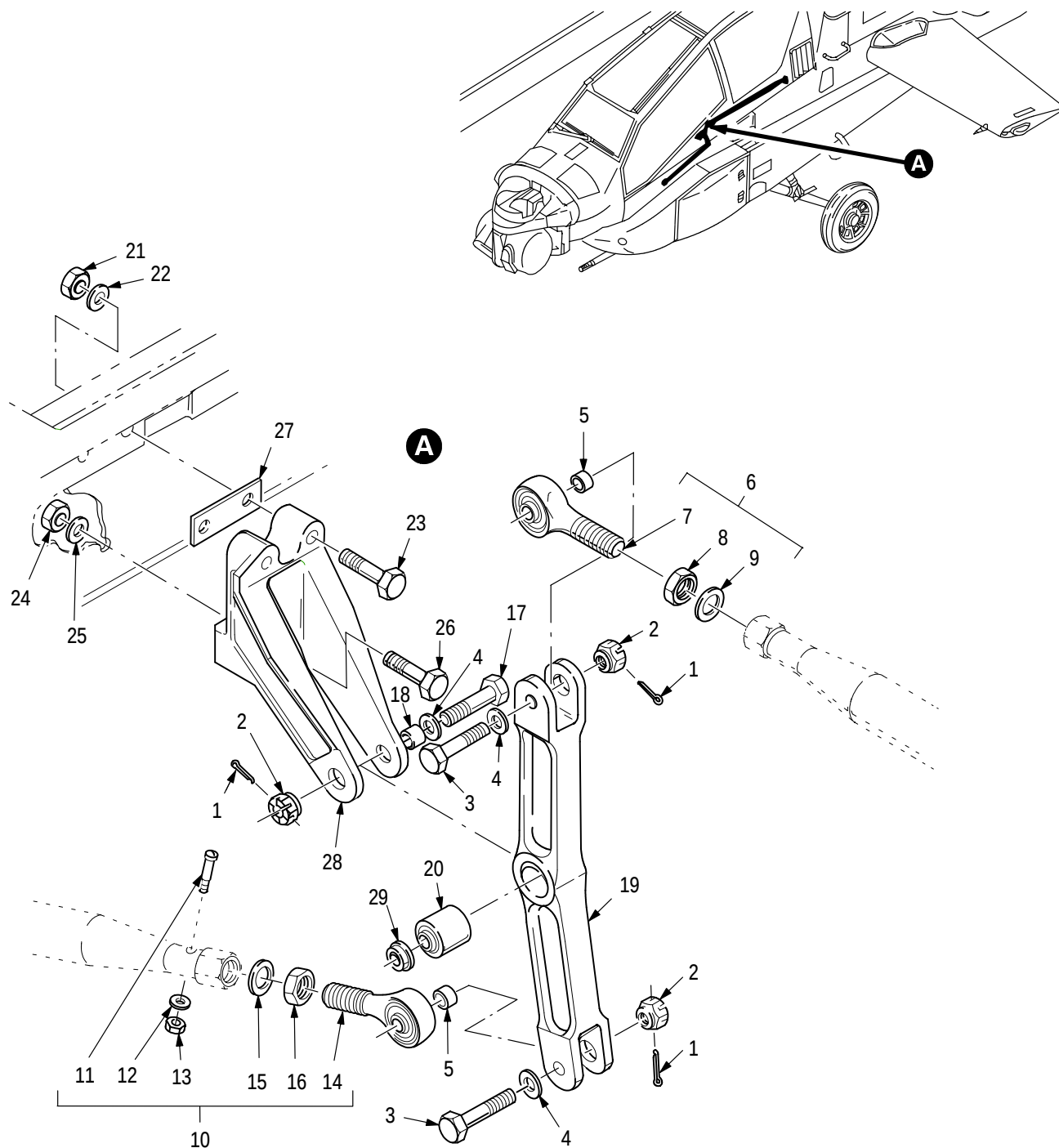


M09-963B

Figure 612. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Directional)  
(Part 3) 7-311516000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 612 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Directional) (Part 3)<br>7-311516000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                          | 3          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                                | 3          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                                 | 2          |
| 4                  | PAOZZ              | 80205       | NAS1149F0432P      | • Washer, Flat .....                                                                                                                         | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                                      | 2          |
| 6                  | PAOOO              | 8V613       | 7-211524001-543    | • Push-Pull Rod Assy .....                                                                                                                   | 1          |
| 7                  | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                              | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                                | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                        | 1          |
| 10                 | PAOZZ              | 8V613       | 7-311516053        | • Connecting Link, Rig .....                                                                                                                 | 1          |
| 11                 | PAOZZ              | 96906       | MS27576-4-24       | • Bolt, Close Toleranc .....                                                                                                                 | 1          |
| 12                 | PAOZZ              | 02731       | HS5542-04035       | • Bushing, Sleeve .....                                                                                                                      | 1          |
| 13                 | PAOFF              | 8V613       | 7-115116048-5      | • Bell Crank .....                                                                                                                           | 1          |
| 14                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....                                                                                                              | 1          |
| 15                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                                | 2          |
| 16                 | PAOZZ              | 80205       | NAS1149F0463J      | • Washer, Flat .....                                                                                                                         | V          |
| 17                 | PAOZZ              | 80205       | NAS6204-14         | • Bolt, Shear .....                                                                                                                          | 4          |
| 18                 | PAOZZ              | 8V613       | 7-115116058-7      | • Spacer, Plate .....                                                                                                                        | 1          |
| 19                 | PAOZZ              | 96906       | MS21042L5          | • Nut, Self-Locking, Ex .....                                                                                                                | 1          |
| 20                 | PAOZZ              | 80205       | NAS1149F0563J      | • Washer, Flat .....                                                                                                                         | 1          |
| 21                 | PAOZZ              | 80205       | NAS6205-27         | • Bolt, Shear .....                                                                                                                          | 1          |
| 22                 | PAOFF              | 8V613       | 7-115116049-5      | • Bracket, Support, Rot .....                                                                                                                | 1          |
| 23                 | PAFZZ              | 02731       | HS606S4-11         | • • Bushing, Sleeve .....                                                                                                                    | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                              |            |

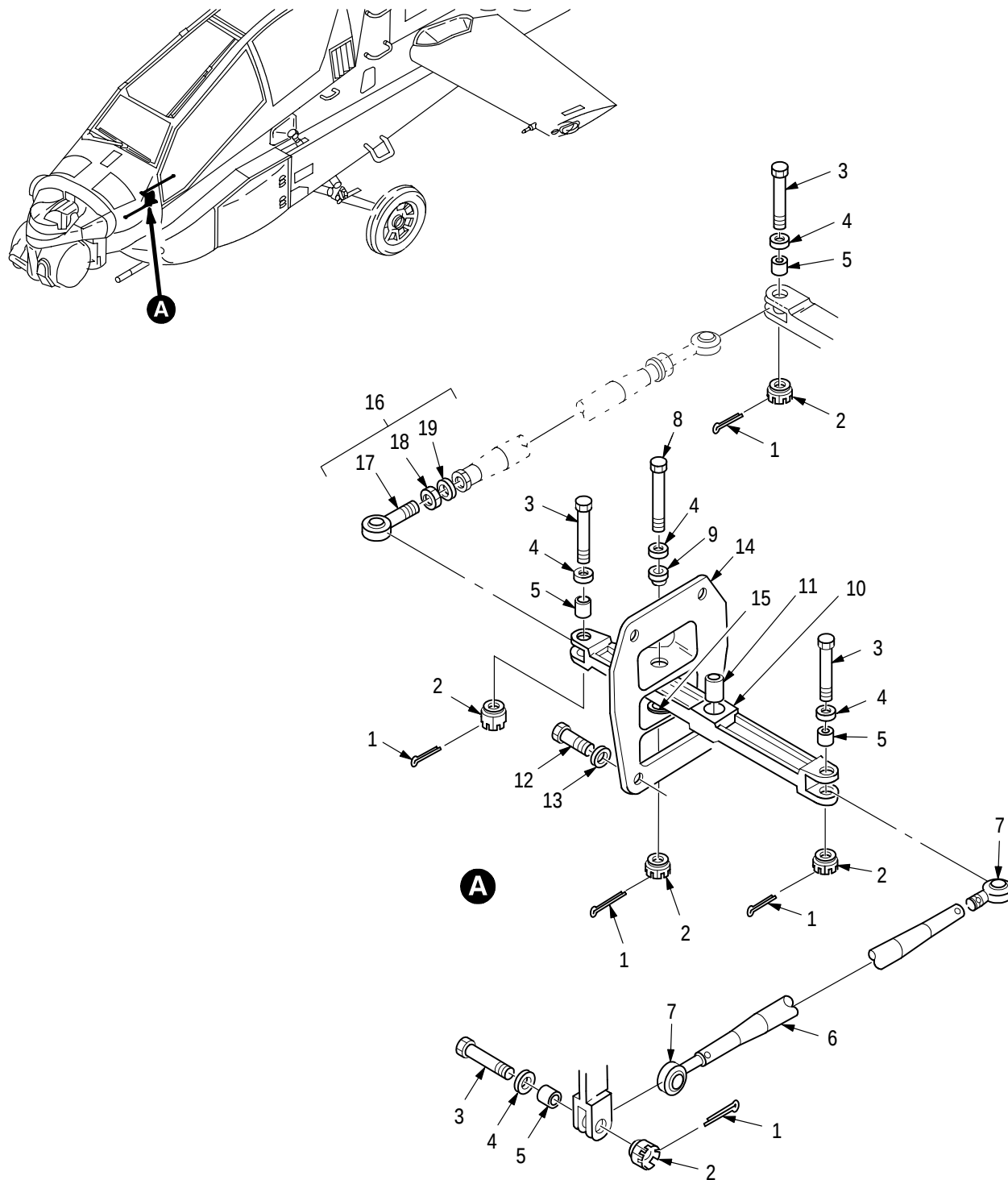




M09-964B

Figure 613. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Collective)  
7-311516000

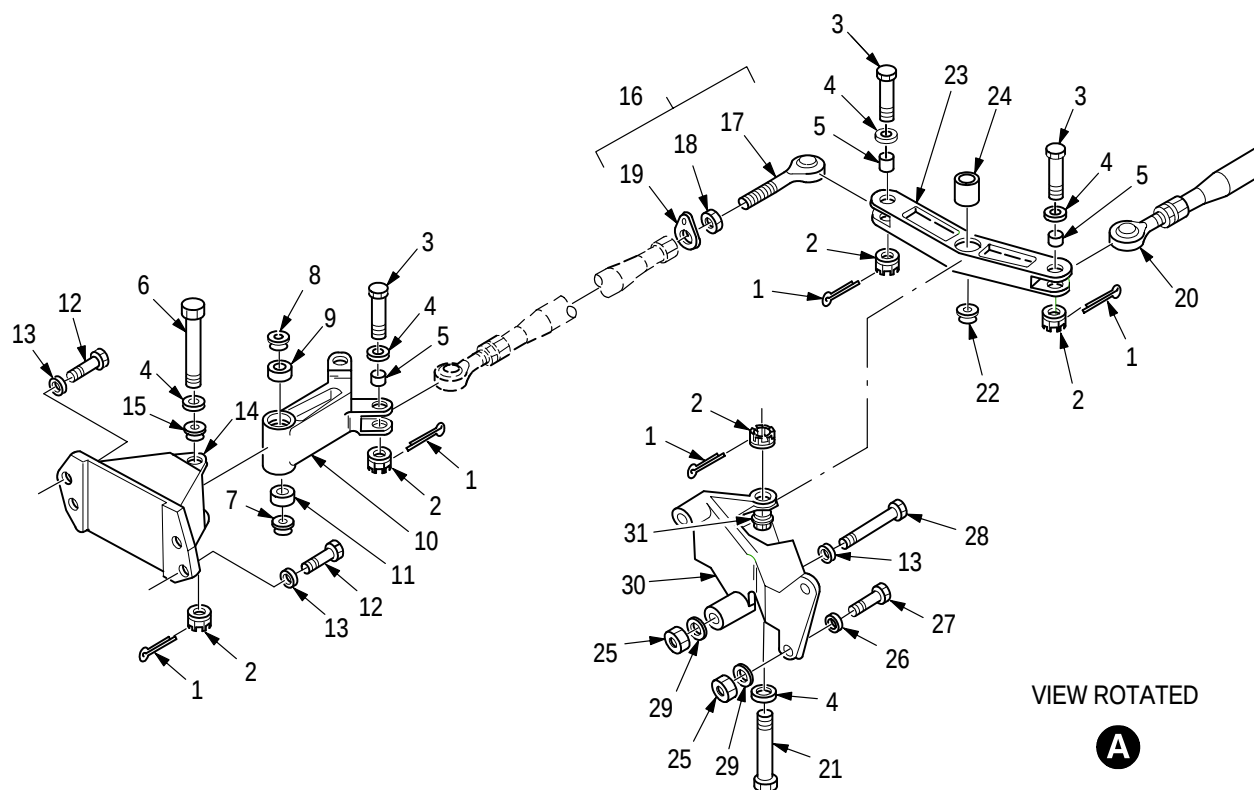
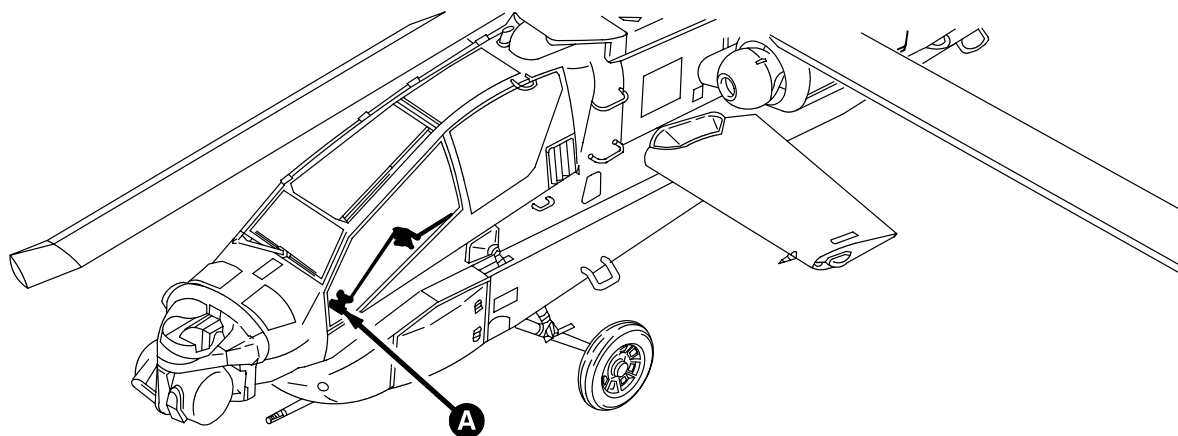
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 613 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Collective)<br>7-311516000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                | 3          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                      | 3          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                       | 2          |
| 4                  | PAOZZ              | 80205       | NAS1149F0432P      | • Washer, Flat .....                                                                                                               | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                            | 2          |
| 6                  | PAOOO              | 8V613       | 7-211524001-547    | • Push-Pull Rod Assy .....                                                                                                         | 1          |
| 7                  | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                    | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                      | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                              | 1          |
| 10                 | PAOOO              | 8V613       | 7-211524001-573    | • Push-Pull Rod Assy .....                                                                                                         | 1          |
| 11                 | PAOZZ              | 88044       | AN21-14            | • • Bolt, Clevis .....                                                                                                             | 2          |
| 12                 | PAOZZ              | 80205       | NAS1149DN632K      | • • Washer, Flat .....                                                                                                             | 2          |
| 13                 | PAOZZ              | 80205       | AN320-1            | • • Nut, Plain, Slotted H .....                                                                                                    | 2          |
| 14                 | PAOZZ              | 8V613       | 7-115116059-3      | • • Bearing, Plain, Rod E .....                                                                                                    | 2          |
| 15                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                              | 2          |
| 16                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                      | 2          |
| 17                 | PAOZZ              | 80205       | MS27576-4-24       | • Bolt, Close Toleranc .....                                                                                                       | 1          |
| 18                 | PAOZZ              | 02731       | HS5542-04035       | • Bushing, Sleeve .....                                                                                                            | 1          |
| 19                 | PAOFF              | 8V613       | 7-115116050-5      | • Bell Crank .....                                                                                                                 | 1          |
| 20                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....                                                                                                    | 1          |
| 21                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                      | 2          |
| 22                 | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                               | V          |
| 23                 | PAOZZ              | 80205       | NAS6204-21         | • Bolt, Shear .....                                                                                                                | 1          |
| 24                 | PAOZZ              | 80205       | MS21042L5          | • Nut, Self-Locking, Ex .....                                                                                                      | 1          |
| 25                 | PAOZZ              | 80205       | NAS1149D0563J      | • Washer, Flat .....                                                                                                               | 1          |
| 26                 | PAOZZ              | 80205       | NAS6205-25         | • Bolt, Shear .....                                                                                                                | 1          |
| 27                 | PAOZZ              | 8V613       | 7-115116058-5      | • Spacer, Plate .....                                                                                                              | 1          |
| 28                 | PAOFF              | 8V613       | 7-115116051-5      | • Bracket, Support, Rot .....                                                                                                      | 1          |
| 29                 | PAFZZ              | 02731       | HS606S4-11         | • • Bushing, Sleeve .....                                                                                                          | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                    |            |



M09-965D

Figure 614. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Longitudinal) (Part 1) 7-311516000

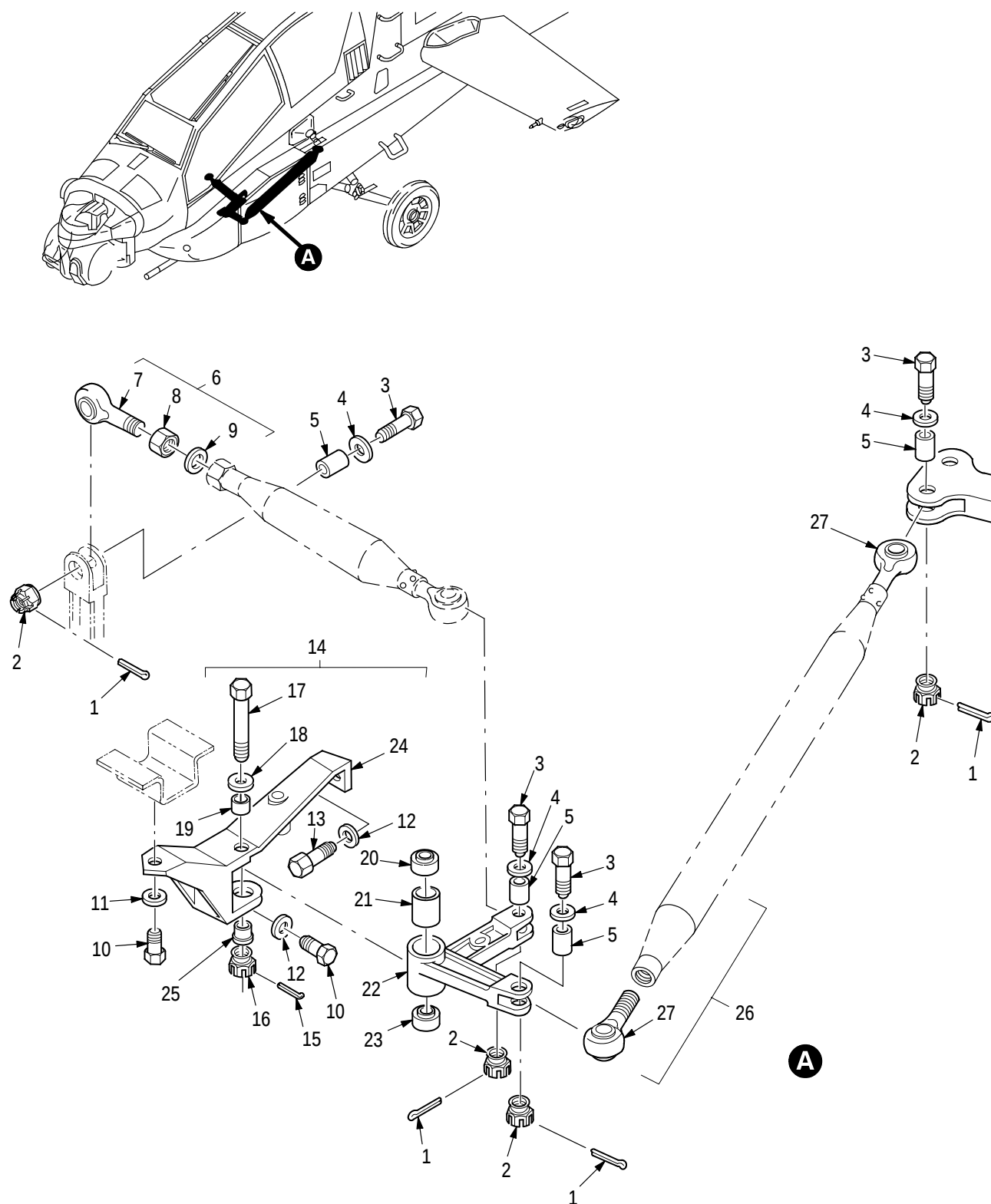
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 614 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Longitudinal) (Part 1)<br>7-311516000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                           | 5          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                                 | 5          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                                  | 4          |
| 4                  | PAFZZ              | 80205       | NAS1149F0432P      | • Washer, Flat .....                                                                                                                          | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                                       | 4          |
| 6                  | PAOZZ              | 8V613       | 7-211524001-533    | • Push-Pull Rod Assy .....                                                                                                                    | 1          |
| 7                  | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                                               | 2          |
| 8                  | PAOZZ              | 80205       | MS27576-4-24       | • Bolt, Close Toleranc .....                                                                                                                  | 1          |
| 9                  | PAOZZ              | 02731       | HS5542-04036       | • Bushing, Sleeve .....                                                                                                                       | 1          |
| 10                 | PAOFF              | 8V613       | 7-115116040-15     | • Bell Crank .....                                                                                                                            | 1          |
| 11                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....                                                                                                               | 1          |
| 12                 | PAOZZ              | 80205       | NAS6204-7H         | • Bolt, Shear .....                                                                                                                           | 4          |
| 13                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                                          | V          |
| 14                 | PAOFF              | 8V613       | 7-311516041        | • Bracket, Mounting .....                                                                                                                     | 1          |
| 15                 | XDFZZ              | 02731       | HS606S4-12         | • • Bushing, Sleeve .....                                                                                                                     | 1          |
| 16                 | PAOOO              | 8V613       | 7-211524001-535    | • Push-Pull Rod Assy .....                                                                                                                    | 1          |
| 17                 | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                               | 1          |
| 18                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                                 | 1          |
| 19                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                         | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                               |            |



M09-966E

Figure 615. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Longitudinal)  
(Part 2) 7-311516000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 615 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Longitudinal) (Part 2)<br>7-311516000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                           | 5          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                                 | 5          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                                  | 3          |
| 4                  | PAFZZ              | 80205       | NAS1149F0432P      | • Washer, Flat .....                                                                                                                          | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                                       | 3          |
| 6                  | PAOZZ              | 80205       | MS27576-4-34       | • Bolt, Close Toleranc .....                                                                                                                  | 1          |
| 7                  | PAOZZ              | 02731       | HS5542-04102       | • Bushing, Sleeve .....                                                                                                                       | 1          |
| 8                  | PAOZZ              | 02731       | HS5542-04110       | • Bushing, Sleeve .....                                                                                                                       | 1          |
| 9                  | PAOZZ              | 96906       | MS27641-4          | • Bearing, Ball, Airfra .....                                                                                                                 | 1          |
| 10                 | PAOFF              | 8V613       | 7-211516063-5      | • Bell Crank .....                                                                                                                            | 1          |
| 11                 | PAFZZ              | 21335       | MKP4AFS464         | • • Bearing, Ball, Airfra .....                                                                                                               | 1          |
| 12                 | PAOZZ              | 80205       | NAS6604-8          | • Bolt, Shear .....                                                                                                                           | 4          |
| 13                 | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                                          | V          |
| 14                 | PAOFF              | 8V613       | 7-311516062        | • Bracket Assembly .....                                                                                                                      | 1          |
| 15                 | PAFZZ              | 02731       | HS606S4-9          | • • Bushing, Sleeve .....                                                                                                                     | 1          |
| 16                 | PAOOO              | 8V613       | 7-211524001-537    | • Push-Pull Rod Assy .....                                                                                                                    | 1          |
| 17                 | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                               | 1          |
| 18                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                                 | 1          |
| 19                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                         | 1          |
| 20                 | PAOZZ              | 8V613       | 7-211524001-539    | • Push-Pull Rod Assy .....                                                                                                                    | 1          |
| 21                 | PAOZZ              | 80205       | MS27576-4-24       | • Bolt, Close Toleranc .....                                                                                                                  | 1          |
| 22                 | PAOZZ              | 02731       | HS5542-04035       | • Bushing, Sleeve .....                                                                                                                       | 1          |
| 23                 | PAOFF              | 8V613       | 7-115116042-5      | • Bell Crank .....                                                                                                                            | 1          |
| 24                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....                                                                                                               | 1          |
| 25                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                                 | 4          |
| 26                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                                          | V          |
| 27                 | PAOZZ              | 80205       | NAS6204-12H        | • Bolt, Shear .....                                                                                                                           | 2          |
| 28                 | PAOZZ              | 80205       | NAS6204-22         | • Bolt, Shear .....                                                                                                                           | 1          |
| 29                 | PAOZZ              | 8V613       | 7-115116058-11     | • Spacer, Plate .....                                                                                                                         | V          |
| 30                 | PAOFF              | 8V613       | 7-311516064        | • Bracket Assy, Flight .....                                                                                                                  | 1          |
| 31                 | PAFZZ              | 02731       | HS606S4-10         | • • Bushing, Sleeve .....                                                                                                                     | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                               |            |

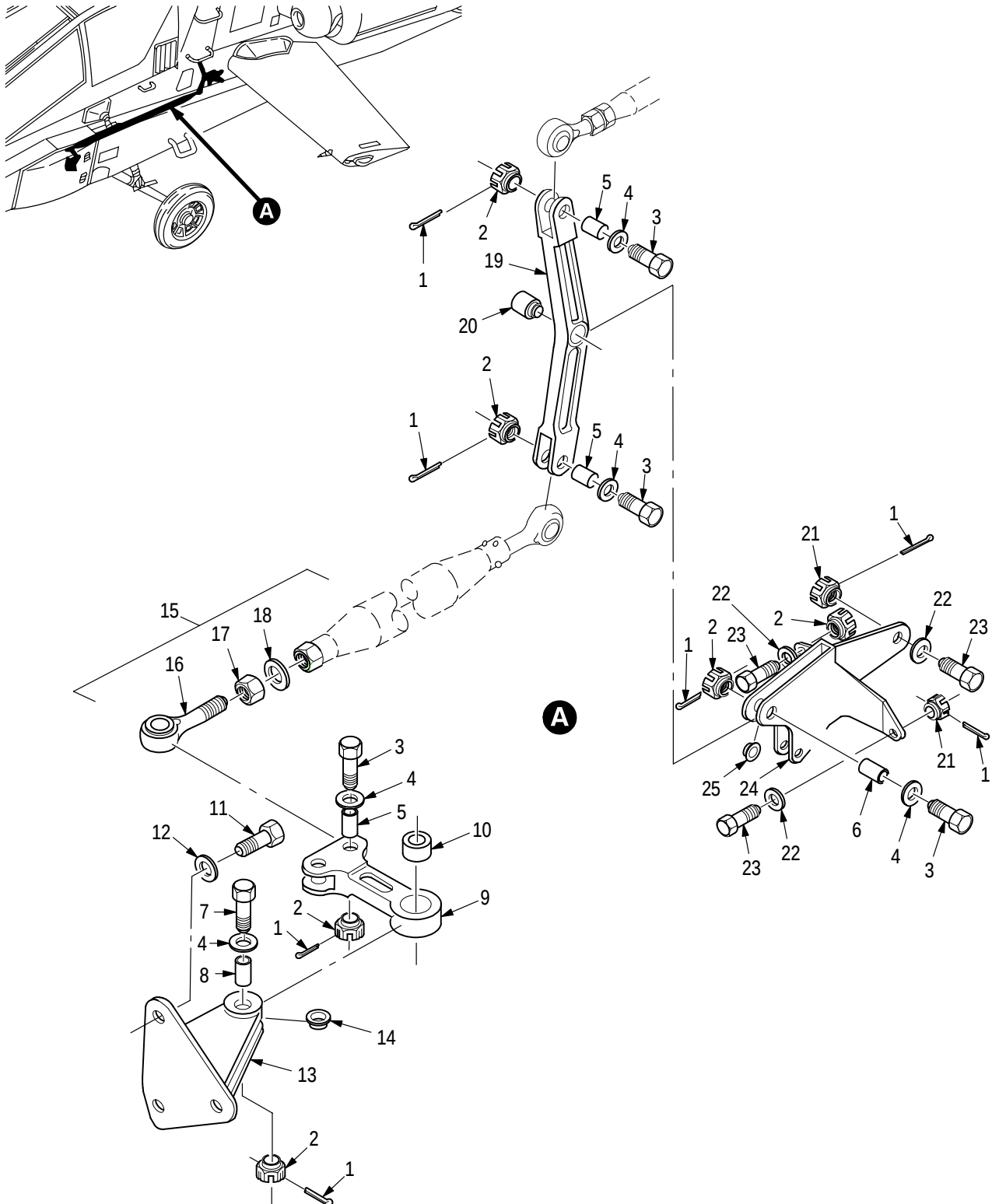


M09-967D

Figure 616. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 1)  
7-311516000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 616 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Lateral) (Part 1)<br>7-311516000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                      | 4          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                            | 4          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                             | 4          |
| 4                  | PAFZZ              | 80205       | NAS1149F0432P      | • Washer, Flat .....                                                                                                                     | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                                  | 4          |
| 6                  | PAOOO              | 8V613       | 7-211524001-523    | • Push-Pull Rod Assy .....                                                                                                               | 1          |
| 7                  | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                          | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                            | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                    | 1          |
| 10                 | PAOZZ              | 80205       | NAS6604H4          | • Bolt, Shear .....                                                                                                                      | 2          |
| 11                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                                     | V          |
| 12                 | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                                     | V          |
| 13                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....                                                                                                                      | 2          |
| 14                 | PAOFF              | 8V613       | 7-311516080-5      | • Bracket Assembly, Co .....                                                                                                             | 1          |
| 15                 | PAOZZ              | 80205       | MS24665-153        | • • Pin, Cotter .....                                                                                                                    | 1          |
| 16                 | PAOZZ              | 80205       | MS21224-4          | • • Nut, Self-Locking, As .....                                                                                                          | 1          |
| 17                 | PAOZZ              | 80205       | MS27576-4-31       | • • Bolt, Close Toleranc .....                                                                                                           | 1          |
| 18                 | PAOZZ              | 80205       | NAS1149F0432P      | • • Washer, Flat .....                                                                                                                   | 1          |
| 19                 | PAOZZ              | 02731       | HS5542-04059       | • • Bushing, Sleeve .....                                                                                                                | 1          |
| 20                 | PAFZZ              | 21335       | MKP4AFS464         | • • Bearing, Ball, Airfra .....                                                                                                          | 1          |
| 21                 | PAFZZ              | 80205       | NAS43DD4-48        | • • Spacer, Sleeve .....                                                                                                                 | 1          |
| 22                 | PAOFF              | 8V613       | 7-311516061        | • • Bell Crank .....                                                                                                                     | 1          |
| 23                 | PAFZZ              | 21335       | MKP4AFS464         | • • • Bearing, Ball, Airfra .....                                                                                                        | 1          |
| 24                 | PAOFF              | 8V613       | 7-311516060-5      | • • Bracket Assembly, Be .....                                                                                                           | 1          |
| 25                 | PAFZZ              | 02731       | HS606S4-13         | • • • Bushing, Sleeve .....                                                                                                              | 1          |
| 26                 | PAOZZ              | 8V613       | 7-211524001-525    | • Push-Pull Rod Assy .....                                                                                                               | 1          |
| 27                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                                          | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                          |            |

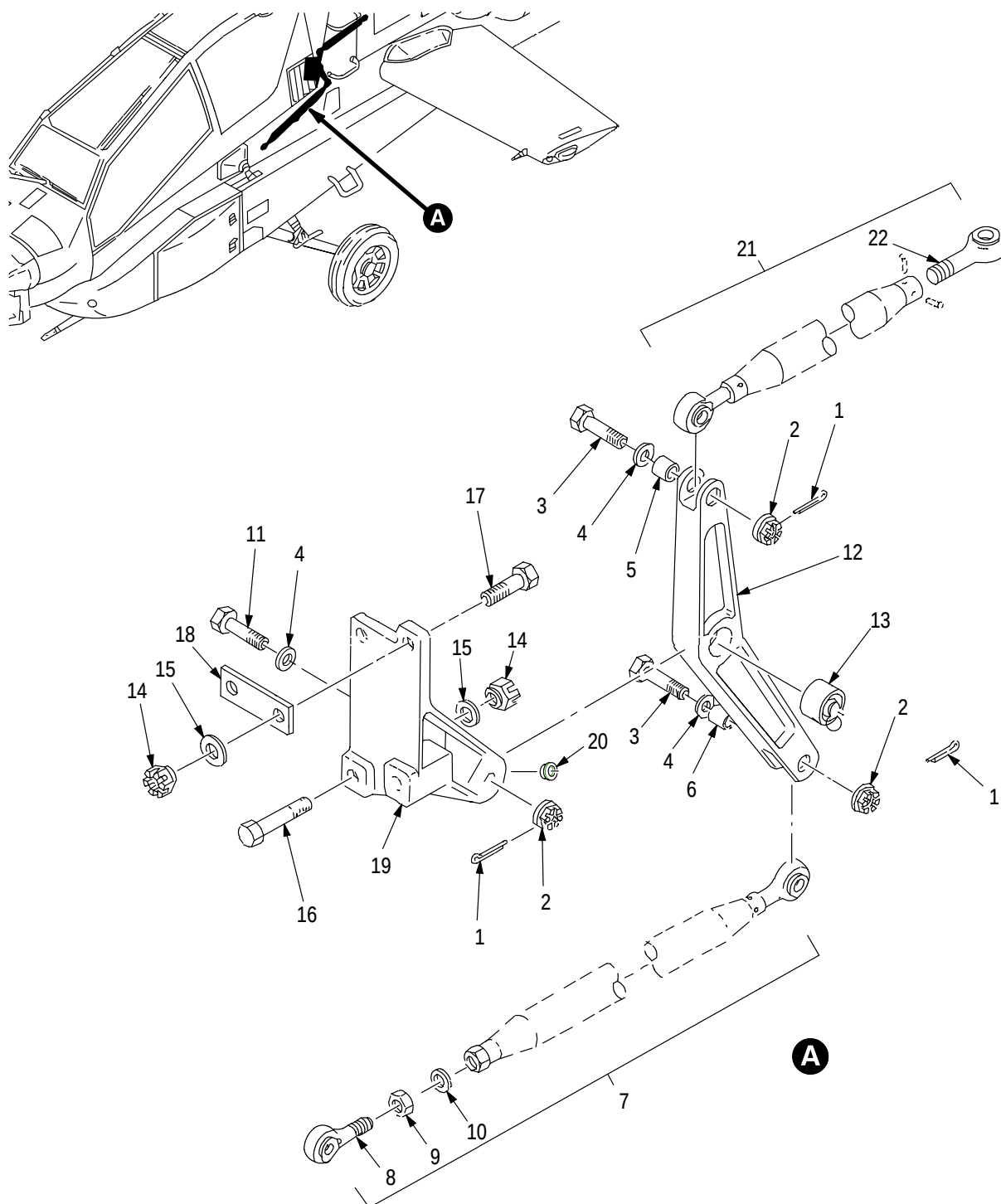




M09-968F

Figure 617. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 2)  
7-311516000

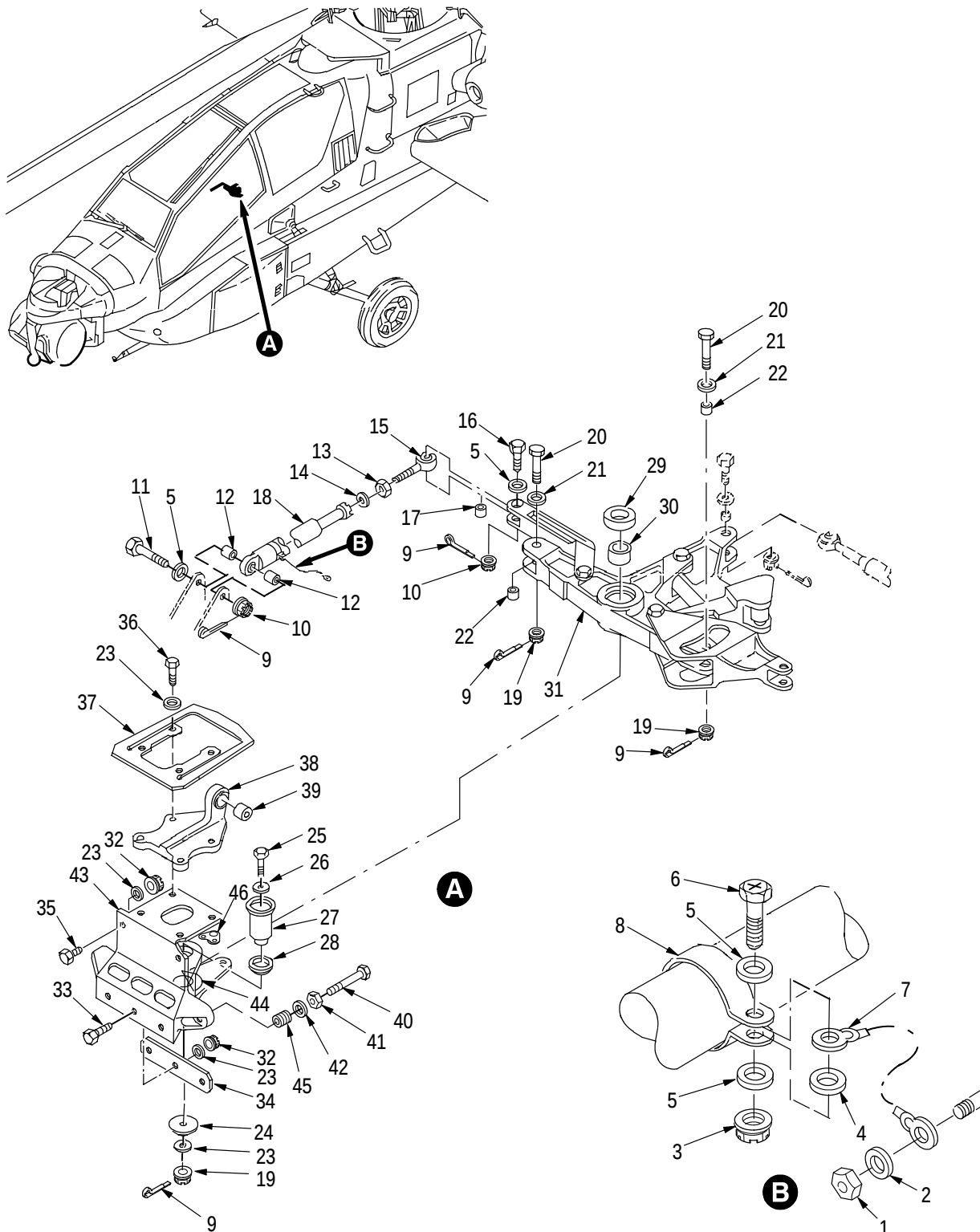
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 617 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Lateral) (Part 2)<br>7-311516000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                      | 9          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                            | 6          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                             | 5          |
| 4                  | PAFZZ              | 80205       | NAS1149F0432P      | • Washer, Flat .....                                                                                                                     | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                                  | 2          |
| 6                  | PAOZZ              | 02731       | HS5542-04033       | • Bushing, Sleeve .....                                                                                                                  | 1          |
| 7                  | PAOZZ              | 96906       | MS27576-4-18       | • Bolt, Close Toleranc .....                                                                                                             | 1          |
| 8                  | PAOZZ              | 02731       | HS5542-04035       | • Bushing, Sleeve .....                                                                                                                  | 1          |
| 9                  | PAOFF              | 8V613       | 7-115116034-5      | • Bell Crank .....                                                                                                                       | 1          |
| 10                 | PAFZZ              | 96906       | MS27647-4A         | • • Bearing, Ball, Airfra .....                                                                                                          | 1          |
| 11                 | PAOZZ              | 80205       | NAS6604H3          | • Bolt, Shear .....                                                                                                                      | 3          |
| 12                 | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                                     | V          |
| 13                 | PAOFF              | 8V613       | 7-115116035        | • Bracket, Support Rot .....                                                                                                             | 1          |
| 14                 | PAFZZ              | 02731       | HS606S4-8          | • • Bushing, Sleeve .....                                                                                                                | 1          |
| 15                 | PAOOO              | 8V613       | 7-211524001-527    | • Push-Pull Rod Assy .....                                                                                                               | 1          |
| 16                 | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                          | 1          |
| 17                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                            | 1          |
| 18                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                    | 1          |
| 19                 | PAOFF              | 8V613       | 7-115116036-5      | • Bell Crank .....                                                                                                                       | 1          |
| 20                 | PAFZZ              | 96906       | MS27647-4A         | • • Bearing, Ball, Airfra .....                                                                                                          | 1          |
| 21                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                            | 3          |
| 22                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                                     | V          |
| 23                 | PAOZZ              | 80205       | NAS6204-6H         | • Bolt, Shear .....                                                                                                                      | 3          |
| 24                 | PAOFF              | 8V613       | 7-311516037        | • Bracket Assembly, La .....                                                                                                             | 1          |
| 25                 | PAFZZ              | 02731       | HS606S4-6          | • • Bushing, Sleeve .....                                                                                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                          |            |



MM09-969E

Figure 618. Group 11 Linkage Installation, Copilot/Gunner to Pilot Control (Lateral) (Part 3)  
7-311516000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 618 Linkage Installation,<br>Copilot/Gunner to Pilot Control<br>(Lateral) (Part 3)<br>7-311516000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                      | 3          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                            | 3          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                             | 2          |
| 4                  | PAFZZ              | 80205       | NAS1149F0432P      | • Washer, Flat .....                                                                                                                     | V          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                                  | 1          |
| 6                  | PAOZZ              | 02731       | HS5542-04033       | • Bushing, Sleeve .....                                                                                                                  | 1          |
| 7                  | PAOOO              | 8V613       | 7-211524001-529    | • Push-Pull Rod Assy .....                                                                                                               | 1          |
| 8                  | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                          | 1          |
| 9                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                            | 1          |
| 10                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                    | 1          |
| 11                 | PAOZZ              | 80205       | MS27576-4-21       | • Bolt, Close Toleranc .....                                                                                                             | 1          |
| 12                 | PAOFF              | 8V613       | 7-211516038-5      | • Bell Crank .....                                                                                                                       | 1          |
| 13                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....                                                                                                          | 1          |
| 14                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                            | 3          |
| 15                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                                     | V          |
| 16                 | PAOZZ              | 80205       | NAS6204-24         | • Bolt, Shear .....                                                                                                                      | 2          |
| 17                 | PAOZZ              | 80205       | NAS6204-14         | • Bolt, Shear .....                                                                                                                      | 4          |
| 18                 | PAOZZ              | 8V613       | 7-115116058-3      | • Spacer, Plate .....                                                                                                                    | 1          |
| 19                 | PAOFF              | 8V613       | 7-211516039        | • Bracket Assy, Latera .....                                                                                                             | 1          |
| 20                 | PAFZZ              | 02731       | HS606S4-6          | • • Bushing, Sleeve .....                                                                                                                | 1          |
| 21                 | PAOZZ              | 8V613       | 7-211524001-531    | • Push-Pull Rod Assy .....                                                                                                               | 1          |
| 22                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                                          | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                          |            |



M09-726D

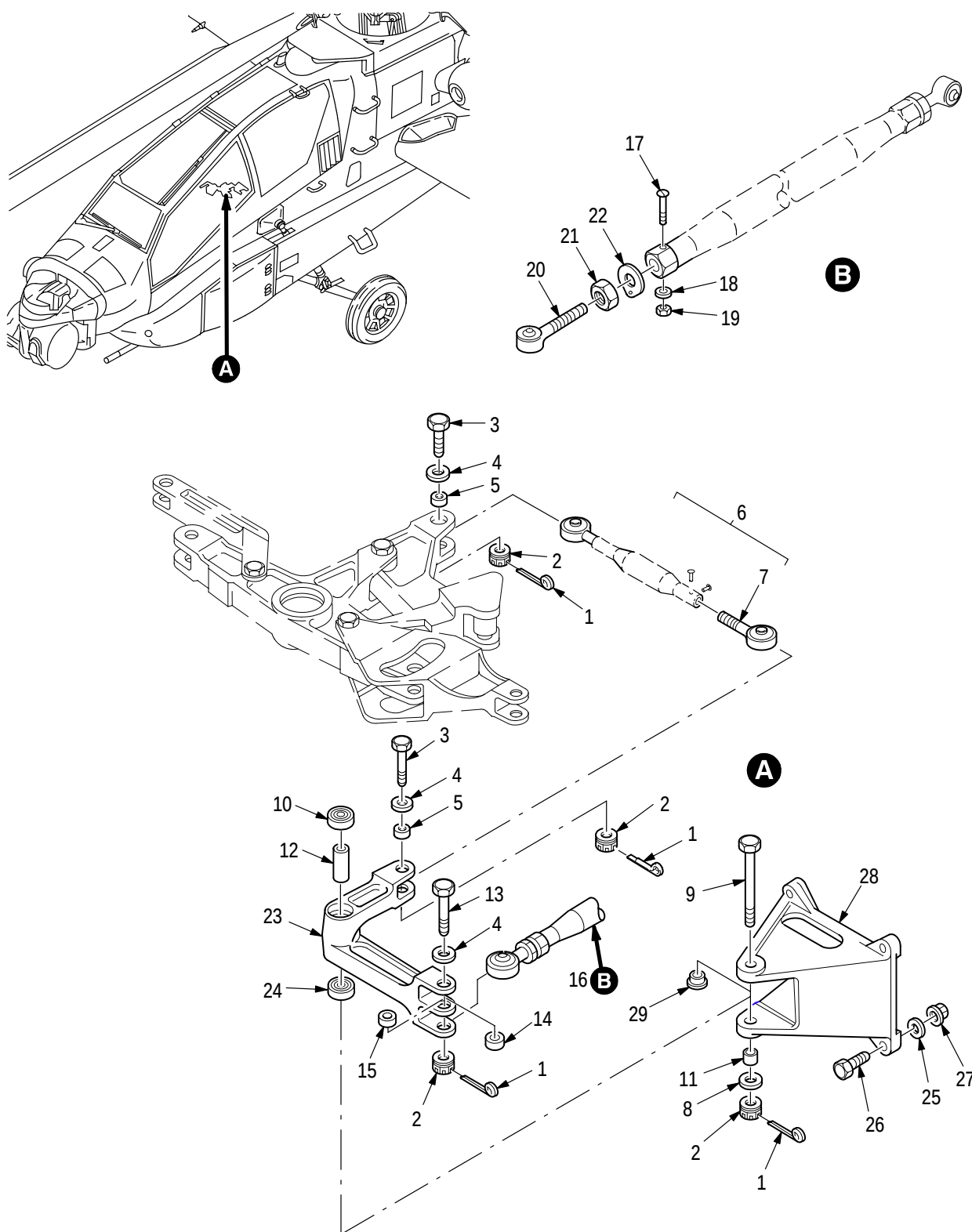
Figure 619. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Directional) (Part 1)  
7-311517000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 619 Linkage Installation, Control<br>(FS 115 to FS 176) (Directional) (Part 1)<br>7-311517000 |            |
| 1                  | PAOZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                                                                        | 1          |
| 2                  | PAOZZ              | 80205       | NAS1149DN616J      | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                                                 | 1          |
| 3                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) . . . . .                                                                        | 1          |
| 4                  | PAOZZ              | 80205       | NAS1149D0363J      | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                                                 | 1          |
| 5                  | XDOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat . . . . .                                                                                                             | 3          |
| 6                  | PAOZZ              | 80205       | NAS1096-3-7        | • Screw, Machine (Usbl Eff 88-0200 and Subs) . . . . .                                                                               | 1          |
| 7                  | PAOZZ              | 81349       | M83413/8-A05AB     | • Lead, Electrical (Usbl Eff 88-0200 and Subs) . . . . .                                                                             | 1          |
| 8                  | PAOZZ              | 81343       | SAE-AS-7351        | • Clamp, Loop (Usbl Eff 88-0200 and Subs) . . . . .                                                                                  | 1          |
| 9                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter . . . . .                                                                                                              | 5          |
| 10                 | PAOZZ              | 80205       | MS21224-3          | • Nut, Self-Locking, As . . . . .                                                                                                    | 2          |
| 11                 | PAOZZ              | 80205       | MS27576-3-22       | • Bolt, Close Toleranc . . . . .                                                                                                     | 1          |
| 12                 | PAOZZ              | 80205       | NAS43DD3-32N       | • Spacer, Sleeve . . . . .                                                                                                           | 2          |
| 13                 | PAOZZ              | 80205       | NAS509-4           | • Nut, Plain, Hexagon . . . . .                                                                                                      | 1          |
| 14                 | PAOZZ              | 80205       | NAS513-4           | • Washer, Key . . . . .                                                                                                              | 1          |
| 15                 | PAOZZ              | 96906       | MS21151-7C         | • Bearing, Ball, Rod En . . . . .                                                                                                    | 1          |
| 16                 | PAOZZ              | 80205       | MS27576-3-13       | • Bolt, Close Toleranc . . . . .                                                                                                     | 1          |
| 17                 | PAOZZ              | 02731       | HS5542-03025       | • Bushing, Sleeve . . . . .                                                                                                          | 1          |
| 18                 | PAOZZ              | 8V613       | 7-115200106-3      | • Transducer, Position<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                                                                 | 1          |
| 18                 | PAOZZ              | 8V613       | 7-315200106        | • Transducer, Motional (Usbl Eff 88-0200 and Subs) . . . . .                                                                         | 1          |
| 19                 | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As . . . . .                                                                                                    | 3          |
| 20                 | PAOZZ              | 80205       | MS27576-4-19       | • Bolt, Close Toleranc . . . . .                                                                                                     | 2          |
| 21                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat . . . . .                                                                                                             | 2          |
| 22                 | PAOZZ              | 02731       | HS5542-04059       | • Bushing, Sleeve . . . . .                                                                                                          | 2          |
| 23                 | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat . . . . .                                                                                                             | 8          |
| 24                 | PAOZZ              | 8V613       | 7-311512109        | • Retainer, Flight Con . . . . .                                                                                                     | 1          |
| 25                 | PAOZZ              | 80205       | MS27576-4-13       | • Bolt, Close Toleranc . . . . .                                                                                                     | 1          |
| 26                 | PAOZZ              | 80205       | NAS1149D0432J      | • Washer, Flat . . . . .                                                                                                             | 4          |
| 27                 | PAOZZ              | 8V613       | 7-211516069        | • Shaft, Input Arm, Rot . . . . .                                                                                                    | 1          |
| 28                 | PAOZZ              | 02731       | HS5542-14003       | • Bushing, Sleeve . . . . .                                                                                                          | 1          |
| 29                 | PAOZZ              | 81343       | MS27646-40         | • Bearing, Ball, Airfra . . . . .                                                                                                    | 1          |
| 30                 | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve . . . . .                                                                                                          | 1          |
| 31                 | PAOFF              | 8V613       | 7-311517067-7      | • SPAD Assembly, Contr (See Fig. 622 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                                    | 1          |
| 31                 | PAOFF              | 8V613       | 7-311517067-9      | • SPAD Assembly (See Fig. 622 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) . . . . .                                                | 1          |
| 32                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex . . . . .                                                                                                    | 4          |
| 33                 | PAOZZ              | 80205       | NAS6604H10         | • Bolt, Shear . . . . .                                                                                                              | 3          |
| 34                 | PAOZZ              | 8V613       | 7-115116058-15     | • Spacer, Tail Rotor . . . . .                                                                                                       | 1          |
| 35                 | PAOZZ              | 80205       | NAS6604-5          | • Bolt, Machine . . . . .                                                                                                            | 2          |
| 36                 | PAOZZ              | 80205       | NAS6604-12         | • Bolt, Shear . . . . .                                                                                                              | 4          |
| 37                 | PAOZZ              | 8V613       | 7-211521049-3      | • Sring, Pedal Engagem . . . . .                                                                                                     | 1          |
| 38                 | PAOFF              | 8V613       | 7-311521007        | • Support Assy, Pedal . . . . .                                                                                                      | 1          |
| 39                 | PAFZZ              | 02731       | HS4608-4           | • • Bearing, Plain, Self- . . . . .                                                                                                  | 1          |
| 40                 | PAOZZ              | 80205       | NAS428H5-10        | • Bolt, Machine . . . . .                                                                                                            | 2          |
| 41                 | PAOZZ              | 80205       | NAS509-5           | • Nut, Plain, Hexagon . . . . .                                                                                                      | 1          |
| 42                 | PAOZZ              | 80205       | NAS1149D0563K      | • Washer, Flat . . . . .                                                                                                             | 2          |
| 43                 | PAOOO              | 8V613       | 7-311517057        | • Bracket Assy, Bellcr . . . . .                                                                                                     | 1          |
| 44                 | PAOZZ              | 02731       | HS606S10-12        | • • Bushing, Sleeve . . . . .                                                                                                        | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 45                 | PAOZZ              | 96906       | MS51830A203L       | • • Insert, Screw Thread .....              | 2          |
| 46                 | PAOZZ              | 02731       | HS4153-048         | • • Nut, Self-Locking, Pl .....             | 4          |
| END OF FIGURE      |                    |             |                    |                                             |            |



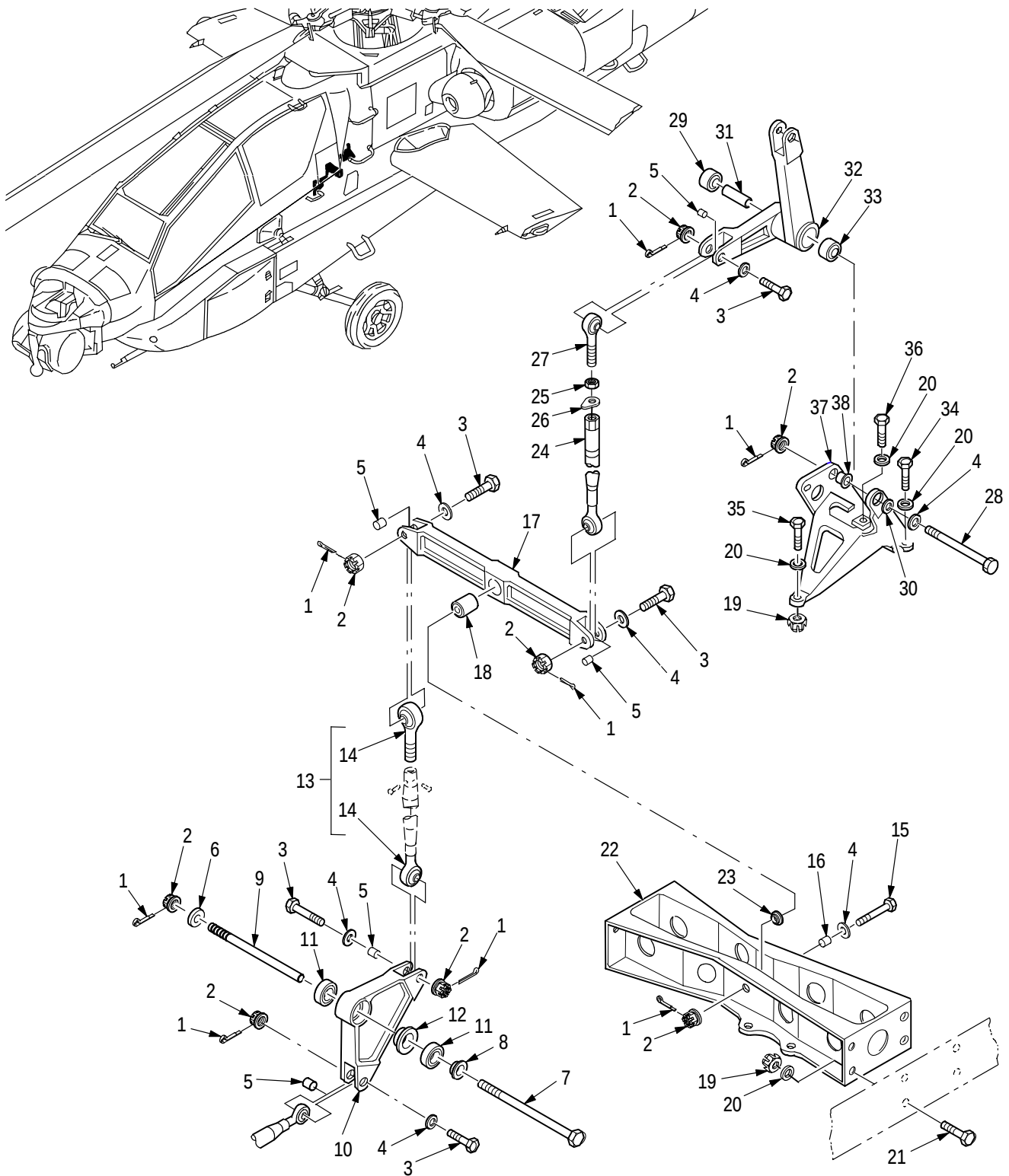




M09-1219E

Figure 620. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Directional) (Part 2)  
7-311517000

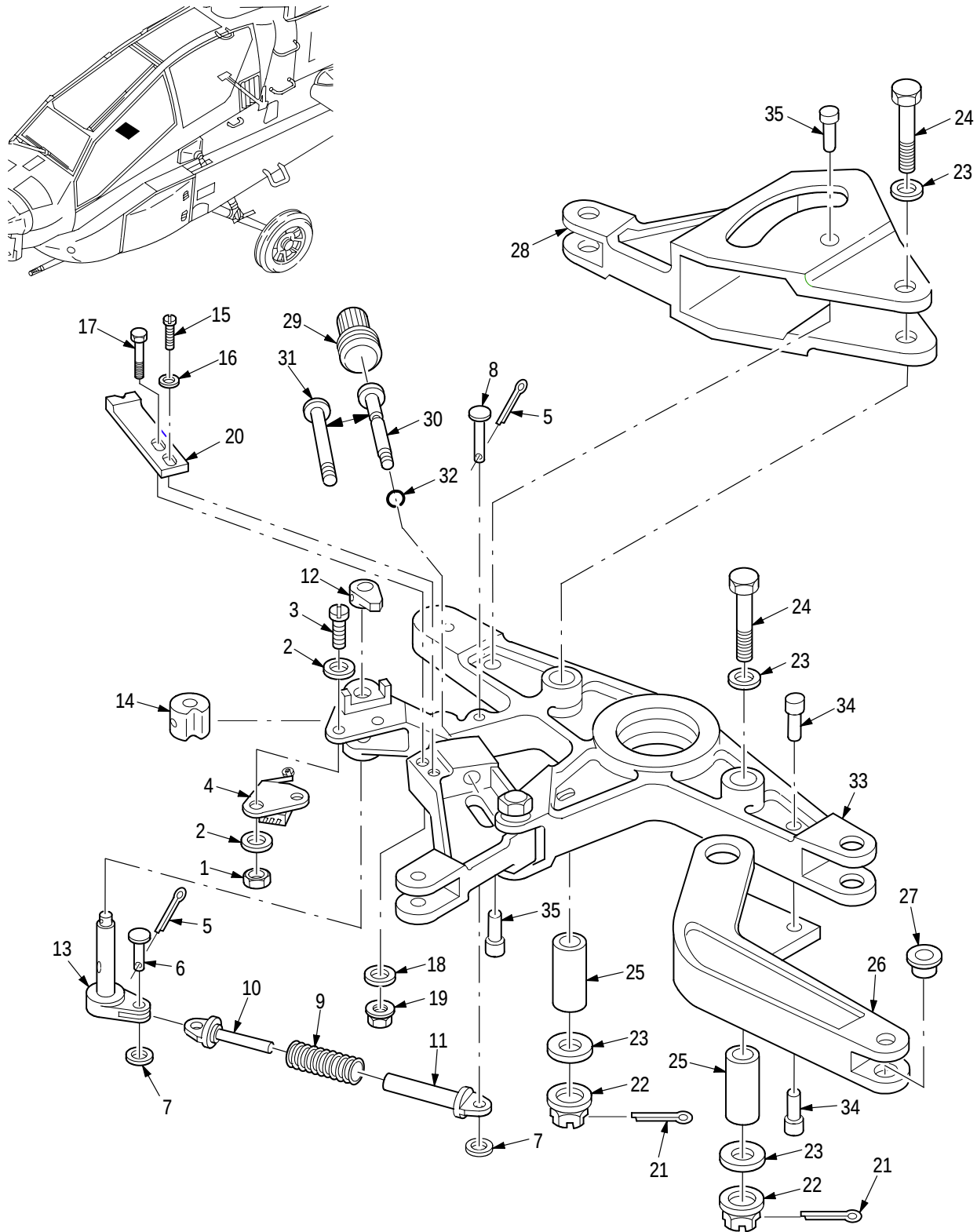
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 620 Linkage Installation, Control<br>(FS 115 to FS 176) (Directional) (Part 2)<br>7-311517000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                  | 4          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                        | 4          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                         | 2          |
| 4                  | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                                 | 3          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                              | 2          |
| 6                  | PAOZZ              | 8V613       | 7-211524001-557    | • Push-Pull Rod Assy .....                                                                                                           | 1          |
| 7                  | XAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                                      | 2          |
| 8                  | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                                 | 1          |
| 9                  | PAOZZ              | 80205       | MS27576-4-39       | • Bolt, Close Toleranc .....                                                                                                         | 1          |
| 10                 | PAOZZ              | 21335       | MKP4AFS464         | • Bearing, Ball, Airfra .....                                                                                                        | 1          |
| 11                 | PAOZZ              | 02731       | HS5542-04066       | • Bushing, Sleeve .....                                                                                                              | 1          |
| 12                 | PAOZZ              | 02731       | HS5542-04074       | • Bushing, Sleeve .....                                                                                                              | 1          |
| 13                 | PAOZZ              | 80205       | MS27576-4-28       | • Bolt, Close Toleranc .....                                                                                                         | 1          |
| 14                 | PAOZZ              | 02731       | HS5542-04096       | • Bushing, Sleeve .....                                                                                                              | 1          |
| 15                 | PAOZZ              | 02731       | HS5542-04093       | • Bushing, Sleeve .....                                                                                                              | 1          |
| 16                 | PAOOO              | 8V613       | 7-211524001-545    | • Push-Pull Rod Assy .....                                                                                                           | 1          |
| 17                 | PAOZZ              | 88044       | AN21-14            | • • Bolt, Clevis .....                                                                                                               | 2          |
| 18                 | PAOZZ              | 80205       | NAS1149DN632K      | • • Washer, Flat .....                                                                                                               | 2          |
| 19                 | PAOZZ              | 80205       | AN320-1            | • • Nut, Plain, Slotted H .....                                                                                                      | 2          |
| 20                 | PAOZZ              | 8V613       | 7-115116059-3      | • • Bearing, Plain, Rod E .....                                                                                                      | 2          |
| 21                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                        | 2          |
| 22                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                | 2          |
| 23                 | PAOFF              | 8V613       | 7-311517061        | • Bell Crank .....                                                                                                                   | 1          |
| 24                 | PAFZZ              | 21335       | MKP4AFS464         | • • Bearing, Ball, Airfra .....                                                                                                      | 1          |
| 25                 | PAOZZ              | 02731       | HS306-326H         | • Washer, Flat .....                                                                                                                 | 4          |
| 26                 | PAOZZ              | 80205       | NAS6604-6          | • Bolt, Shear .....                                                                                                                  | 4          |
| 27                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                        | 4          |
| 28                 | PAOFF              | 8V613       | 7-311517060        | • Bracket Assy, Bellcr .....                                                                                                         | 1          |
| 29                 | PAFZZ              | 02731       | HS606S4-18         | • • Bushing, Sleeve .....                                                                                                            | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                      |            |



M09-722K

Figure 621. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Directional) (Part 3)  
7-311517000

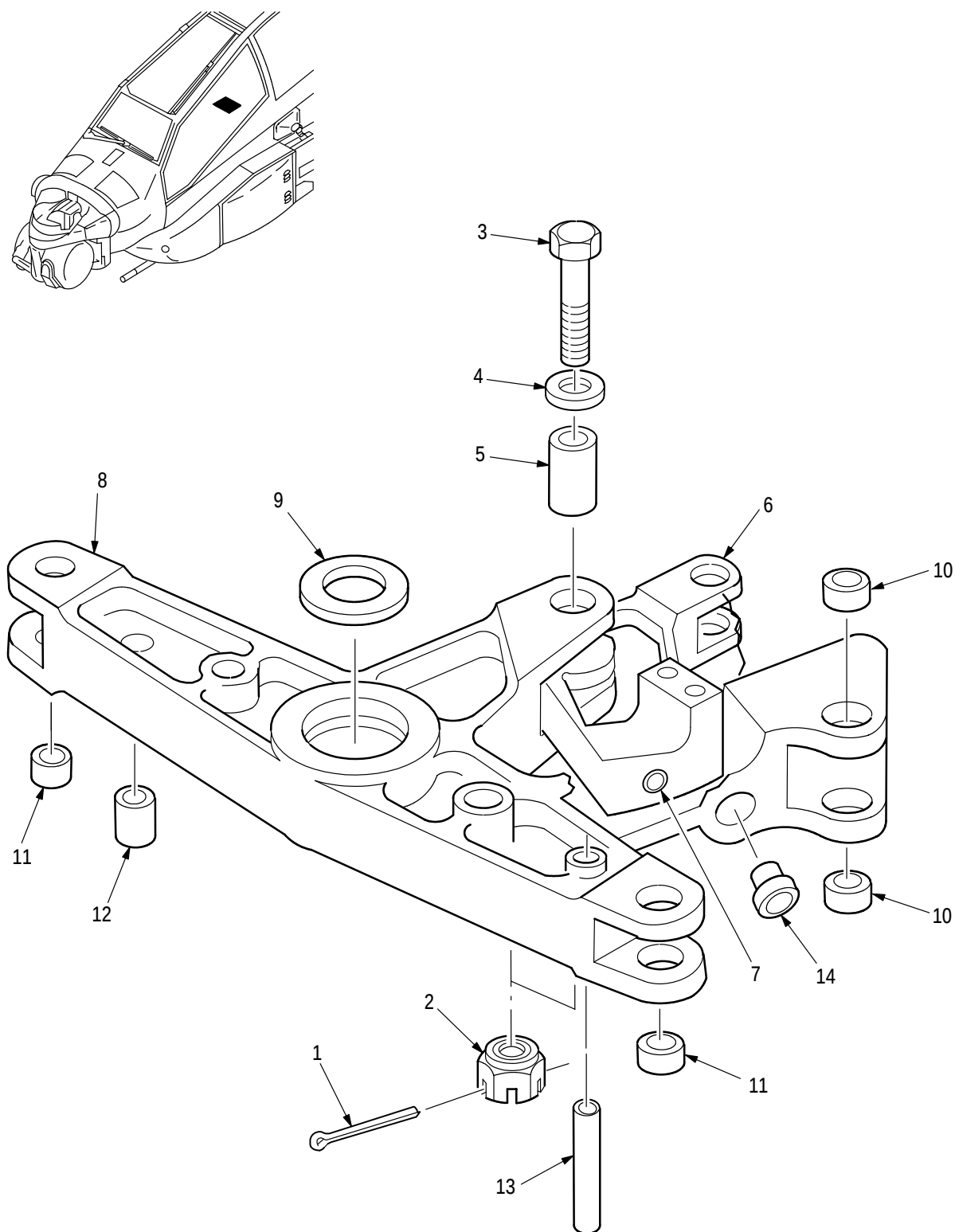
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 621 Linkage Installation, Control<br>(FS 115 to FS 176) (Directional) (Part 3)<br>7-311517000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                  | 8          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                        | 8          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                         | 5          |
| 4                  | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                                 | 6          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                              | 5          |
| 6                  | PAOZZ              | 02731       | HS306-327H         | • Washer, Flat .....                                                                                                                 | 1          |
| 7                  | PAOZZ              | 96906       | MS27576-4-85       | • Bolt, Close Toleranc .....                                                                                                         | 1          |
| 8                  | PAOZZ              | 8V613       | 7-311517072        | • Bushing, Sleeve .....                                                                                                              | 1          |
| 9                  | PAOZZ              | 8V613       | 7-311517071        | • Pivot, Rotor Control .....                                                                                                         | 1          |
| 10                 | PAOFF              | 8V613       | 7-311517012        | • Bell Crank .....                                                                                                                   | 1          |
| 11                 | PAFZZ              | 81343       | MS27646-38         | • • Bearing, Ball, Airfra .....                                                                                                      | 2          |
| 12                 | PAFZZ              | 80205       | NAS43DD10-14       | • • Spacer, Sleeve .....                                                                                                             | 1          |
| 13                 | PAOZZ              | 8V613       | 7-211524001-569    | • Push-Pull Rod Assy .....                                                                                                           | 1          |
| 14                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                                      | 2          |
| 15                 | PAOZZ              | 80205       | MS27576-4-24       | • Bolt, Close Toleranc .....                                                                                                         | 1          |
| 16                 | PAOZZ              | 02731       | HS5542-04060       | • Bushing, Sleeve .....                                                                                                              | 1          |
| 17                 | PAOFF              | 8V613       | 7-115116040-17     | • Bell Crank .....                                                                                                                   | 1          |
| 18                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....                                                                                                      | 1          |
| 19                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                        | 7          |
| 20                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                                 | 8          |
| 21                 | PAOZZ              | 80205       | NAS6604H3          | • Bolt, Shear .....                                                                                                                  | 7          |
| 22                 | PAOFF              | 8V613       | 7-115117047-5      | • Bracket, Directional .....                                                                                                         | 1          |
| 23                 | XDFZZ              | 02731       | HS606S4-12         | • • Bushing, Sleeve .....                                                                                                            | 1          |
| 24                 | XDOOO              | 8V613       | 7-211524001-583    | • Push-Pull Rod Assy .....                                                                                                           | 1          |
| 25                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                        | 1          |
| 26                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                | 1          |
| 27                 | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                      | 1          |
| 28                 | XDOZZ              | 96906       | MS27576-4-47       | • Bolt, Close Toleranc .....                                                                                                         | 1          |
| 29                 | PAOZZ              | 96906       | MS27640-4          | • Bearing, Ball, Airfra .....                                                                                                        | 1          |
| 30                 | PAOZZ              | 02731       | HS5542-04062       | • Bushing, Sleeve .....                                                                                                              | 1          |
| 31                 | PAOZZ              | 02731       | HS5542-04077       | • Bushing, Sleeve .....                                                                                                              | 1          |
| 32                 | PAOFF              | 8V613       | 7-311517052        | • Bell Crank .....                                                                                                                   | 1          |
| 33                 | PAFZZ              | 96906       | MS27640-4          | • • Bearing, Ball, Airfra .....                                                                                                      | 1          |
| 34                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....                                                                                                                  | 1          |
| 35                 | PAOZZ              | 80205       | NAS6604H9          | • Bolt, Shear .....                                                                                                                  | 1          |
| 36                 | PAOZZ              | 80205       | NAS6604-4          | • Bolt, Shear .....                                                                                                                  | 2          |
| 37                 | PAOFF              | 8V613       | 7-311517020        | • Bracket Assy, Flight .....                                                                                                         | 1          |
| 38                 | PAFZZ              | 02731       | HS606S4-15         | • • Bushing, Sleeve .....                                                                                                            | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                      |            |



M09-725E

Figure 622. Group 11 SPAD Assembly, Control, Pilot (Directional)  
 7-311517067-7 (Usbl Eff 82-23355 thru 88-0199)  
 7-311517067-9 (Usbl Eff 88-0200 and Subs)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 622 SPAD Assembly, Control,<br>Pilot (Directional)<br>7-311517067-7 (Usbl Eff 82-23355 thru 88-0199)<br>7-311517067-9 (Usbl Eff 88-0200 and Subs)<br>See Fig. 619 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS35649-264        | • Nut, Plain, Hexagon .....                                                                                                                                                                                      | 2          |
| 2                  | PAFZZ              | 80205       | NAS1149DN632K      | • Washer, Flat .....                                                                                                                                                                                             | 4          |
| 3                  | PAFZZ              | 96906       | MS35275-228        | • Screw, Machine .....                                                                                                                                                                                           | 2          |
| 4                  | PAFZZ              | 8V613       | 7-311514104-11     | • Switch Sub Assembly<br>(Usbl Eff 82-23355 thru 88-0199) .....                                                                                                                                                  | 1          |
| 4                  | PAFZZ              | 8V613       | 7-311514104-15     | • Switch Sub Assembly (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                          | 1          |
| 5                  | PAFZZ              | 96906       | MS24665-1010       | • Pin, Cotter .....                                                                                                                                                                                              | 2          |
| 6                  | PAFZZ              | 96906       | MS9462-06          | • Pin, Straight, Headed .....                                                                                                                                                                                    | 1          |
| 7                  | PAFZZ              | 88044       | AN960C4            | • Washer, Flat .....                                                                                                                                                                                             | 2          |
| 8                  | PAFZZ              | 96906       | MS9462-21          | • Pin, Straight, Headed .....                                                                                                                                                                                    | 1          |
| 9                  | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp .....                                                                                                                                                                                    | 1          |
| 10                 | PAFZZ              | 8V613       | 7-311514087        | • Guide, Spring, Intern .....                                                                                                                                                                                    | 1          |
| 11                 | XDFZZ              | 8V613       | 7-311514086        | • Guide, Spring, Extern .....                                                                                                                                                                                    | 1          |
| 12                 | PAFZZ              | 8V613       | 7-311514085        | • Shaft, Straight .....                                                                                                                                                                                          | 1          |
| 13                 | PAFZZ              | 8V613       | 7-311514084-11     | • Shaft, Actuator, Swit .....                                                                                                                                                                                    | 1          |
| 14                 | PAFZZ              | 8V613       | 7-311514102        | • Cam, Control .....                                                                                                                                                                                             | 1          |
| 15                 | PAFZZ              | 96906       | MS35275-244        | • Screw, Machine .....                                                                                                                                                                                           | 2          |
| 16                 | PAFZZ              | 88044       | AN960KD8           | • Washer, Flat .....                                                                                                                                                                                             | 2          |
| 17                 | PAFZZ              | 80205       | NAS6603H26         | • Bolt, Shear (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                                  | 1          |
| 18                 | PAFZZ              | 88044       | AN960JD10L         | • Washer, Flat (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                                 | 1          |
| 19                 | PAFZZ              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                        | 1          |
| 20                 | XDFZZ              | 8V613       | 7-311517073        | • Detent (Usbl Eff 82-23355 thru 88-0199) .....                                                                                                                                                                  | 1          |
| 20                 | XDFZZ              | 8V613       | 7-311517073-3      | • Detent (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                                       | 1          |
| 21                 | PAFZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                                                                                              | 2          |
| 22                 | PAFZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                                                                                                    | 2          |
| 23                 | PAFZZ              | 88044       | AN960-416L         | • Washer, Flat .....                                                                                                                                                                                             | 4          |
| 24                 | PAFZZ              | 80205       | MS27576-4-22       | • Bolt, Close Toleranc .....                                                                                                                                                                                     | 2          |
| 25                 | PAFZZ              | 02731       | HS5542-04076       | • Bushing, Sleeve .....                                                                                                                                                                                          | 2          |
| 26                 | PAFFF              | 8V613       | 7-311516076        | • Arm Assembly, Direct .....                                                                                                                                                                                     | 1          |
| 27                 | PAFZZ              | 02731       | HS606S3-4          | • • Bushing, Sleeve .....                                                                                                                                                                                        | 1          |
| 28                 | PAOZZ              | 8V613       | 7-311516068        | • Lever, Remote Contro .....                                                                                                                                                                                     | 1          |
| 29                 | PAOZZ              | 8V613       | 7-211514083        | • Retainer, Shear Pin .....                                                                                                                                                                                      | 1          |
| 30                 | PAFZZ              | 8V613       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) .....                                                                                                                                                 | 1          |
| 31                 | PAOZZ              | 8V613       | 7-211514082        | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) .....                                                                                                                                                         | 1          |
| 32                 | PAOZZ              | 96906       | MS28775-009        | • O-Ring .....                                                                                                                                                                                                   | 1          |
| 33                 | PAOFF              | 8V613       | 7-311517070-13     | • Bell Crank (See Fig. 623 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) .....                                                                                                                              | 1          |
| 33                 | PAOFF              | 8V613       | 7-311517070-17     | • Bell Crank (See Fig. 623 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) .....                                                                                                                                   | 1          |
| 34                 | PAFZZ              | 96906       | MS20470AD4-12      | • Rivet, Solid .....                                                                                                                                                                                             | 1          |
| 35                 | PAFZZ              | 96906       | MS20470AD3-27      | • Rivet, Solid .....                                                                                                                                                                                             | 3          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                                                                                  |            |

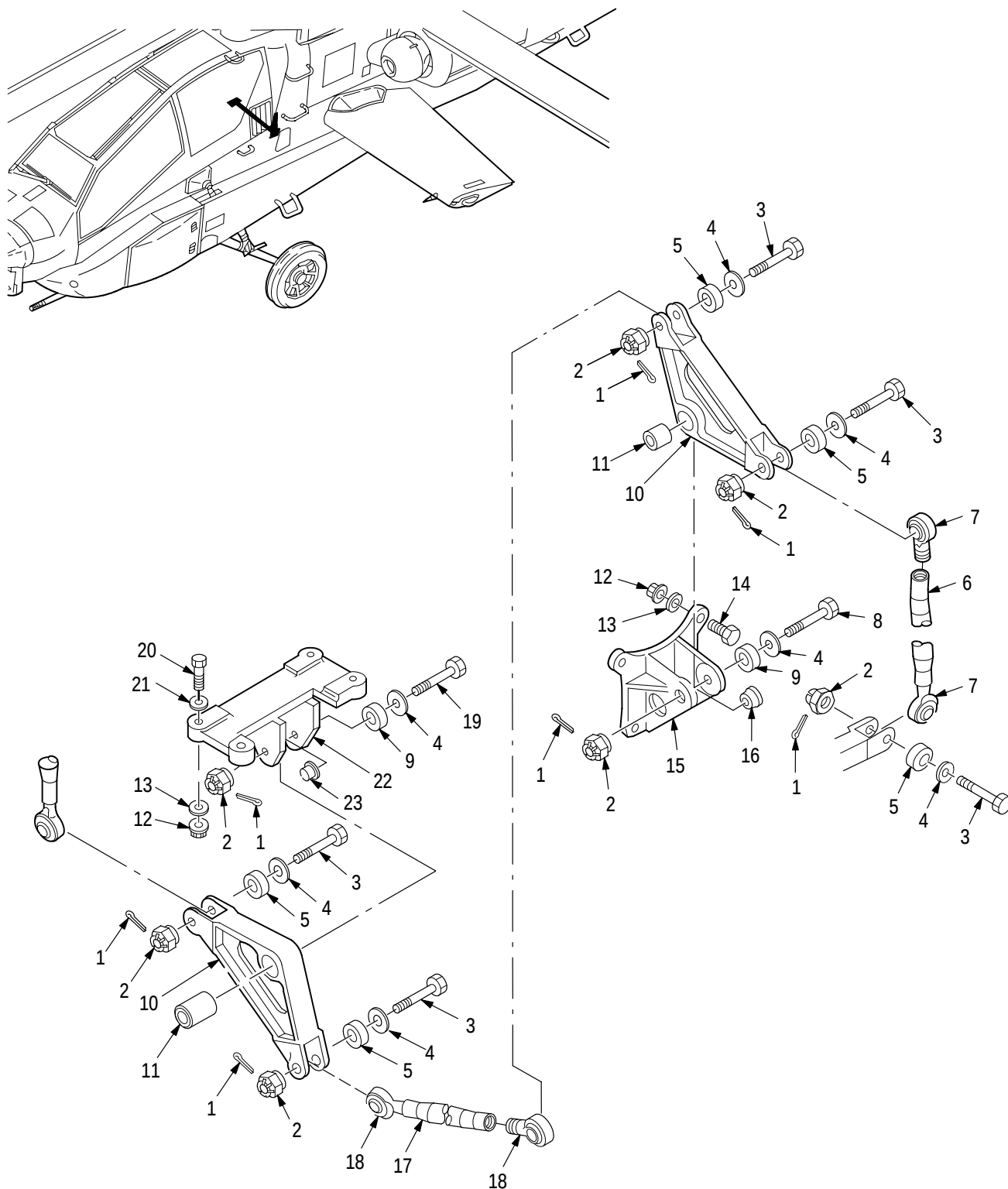


M0'9-1169A

Figure 623. Group 11 Bellcrank Assembly  
7-311517070-13 (Usbl Eff 82-23355 thru 88-0199)  
7-311517070-17 (Usbl Eff 88-0200 and Subs)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 623 Bellcrank Assembly<br>7-311517070-13<br>(Usbl Eff 82-23355 thru 88-0199)<br>7-311517070-17<br>(Usbl Eff 88-0200 and Subs)<br>See Fig. 622 for NHA |            |
| 1                  | PAFZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                                                                          | 1          |
| 2                  | PAFZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                                                                                | 1          |
| 3                  | PAFZZ              | 80205       | MS27576-4-21       | • Bolt, Close Toleranc .....                                                                                                                                                                 | 1          |
| 4                  | PAFZZ              | 88044       | AN960-416L         | • Washer, Flat .....                                                                                                                                                                         | 1          |
| 5                  | PAFZZ              | 02731       | HS5542-04116       | • Bushing, Sleeve .....                                                                                                                                                                      | 1          |
| 6                  | XAFFF              | 8V613       | 7-311517059-9      | • Bellcrank Assy (Usbl Eff 82-23355 thru 88-0199) .....                                                                                                                                      | 1          |
| 6                  | XAFFF              | 8V613       | 7-311517059-13     | • Bellcrank Assy (Usbl Eff 88-0200 and Subs) .....                                                                                                                                           | 1          |
| 7                  | XAFZZ              | 8V613       | 7-311514096        | • • Bushing, Sleeve .....                                                                                                                                                                    | 1          |
| 8                  | XAFFF              | 8V613       | 7-311517058-17     | • Bellcrank Assy .....                                                                                                                                                                       | 1          |
| 9                  | PAFZZ              | 81343       | MS27646-40         | • • Bearing, Ball, Airfra .....                                                                                                                                                              | 1          |
| 10                 | PAFZZ              | 8V613       | 7-311514101        | • • Bearing, Sleeve .....                                                                                                                                                                    | 2          |
| 11                 | XDFZZ              | 02731       | HS606S4-12         | • • Bushing, Sleeve .....                                                                                                                                                                    | 2          |
| 12                 | PAFZZ              | 02731       | HS5542-02004       | • • Bushing, Sleeve .....                                                                                                                                                                    | 1          |
| 13                 | PAFZZ              | 02731       | HS5542-02003       | • • Bushing, Sleeve .....                                                                                                                                                                    | 1          |
| 14                 | PAFZZ              | 8V613       | 7-211514095-3      | • • Bearing, Sleeve .....                                                                                                                                                                    | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                                                              |            |





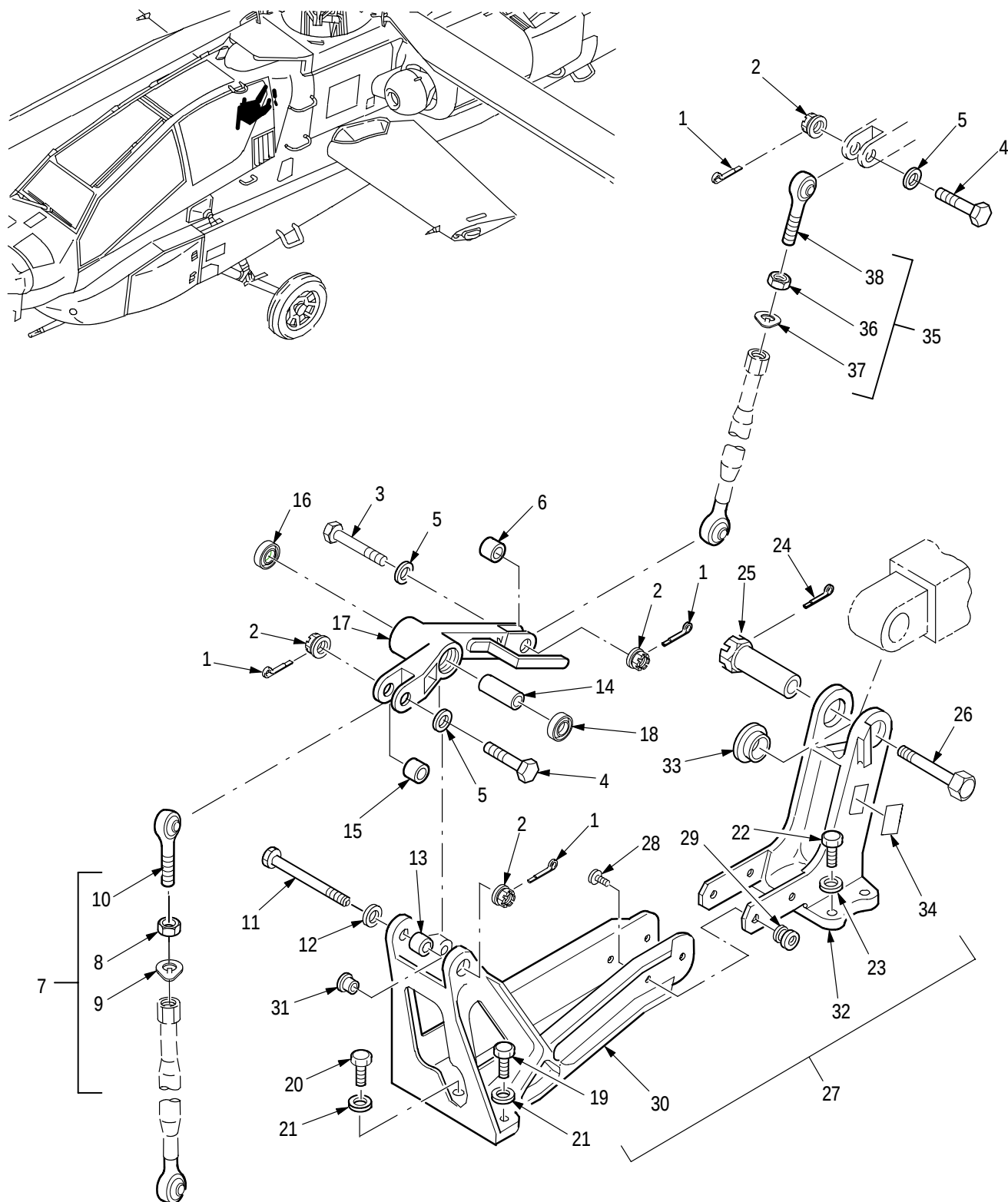
M09-720D

Figure 624. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Collective) (Part 1)  
7-311517000

## SECTION II

TM 1-1520-238-23P

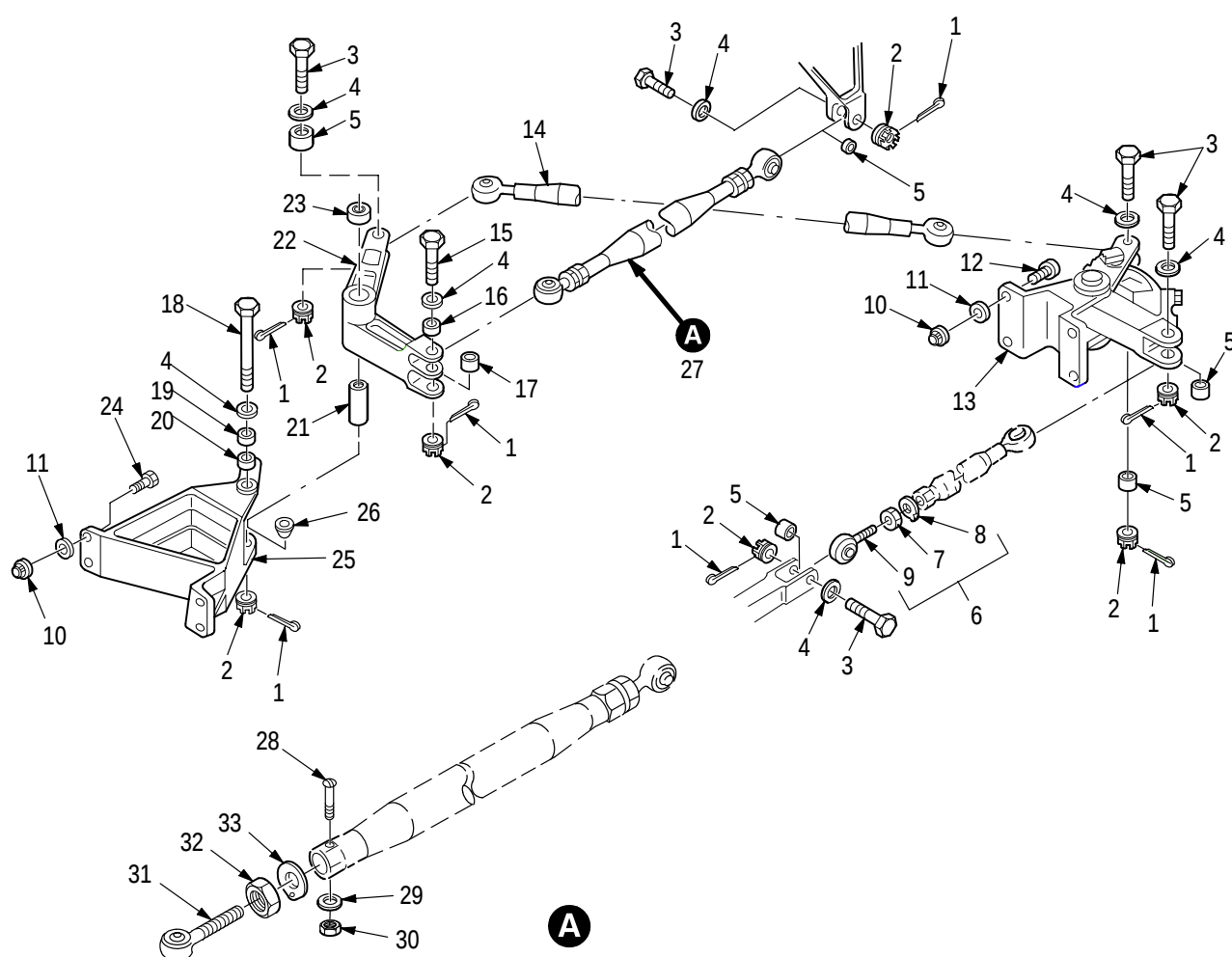
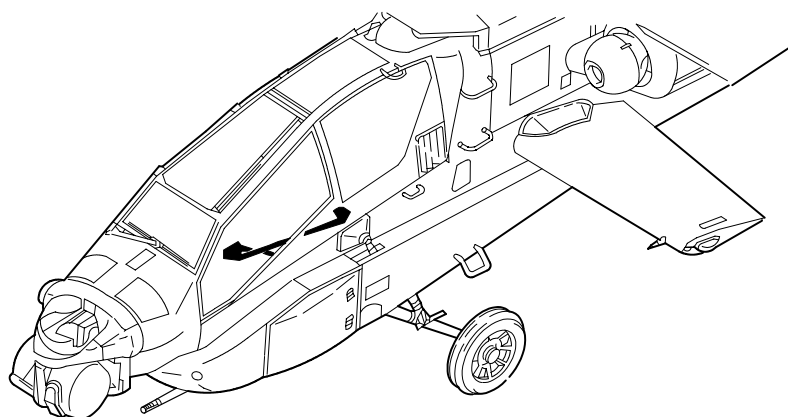
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                         | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 624 Linkage Installation, Control<br>(FS 115 to FS 176) (Collective) (Part 1)<br>7-311517000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                 | 7          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                       | 7          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                        | 5          |
| 4                  | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                                | 7          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                             | 5          |
| 6                  | PAOOO              | 8V613       | 7-211524001-575    | • Push-Pull Rod Assy .....                                                                                                          | 1          |
| 7                  | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                                     | 2          |
| 8                  | PAOZZ              | 96906       | MS27576-4-24       | • Bolt, Close Toleranc .....                                                                                                        | 1          |
| 9                  | PAOZZ              | 02731       | HS5542-04059       | • Bushing, Sleeve .....                                                                                                             | 2          |
| 10                 | PAOFF              | 8V613       | 7-115117041-5      | • Bell Crank .....                                                                                                                  | 2          |
| 11                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....                                                                                                     | 1          |
| 12                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                       | 8          |
| 13                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                                | 8          |
| 14                 | PAOZZ              | 80205       | NAS6604-5          | • Bolt, Machine .....                                                                                                               | 4          |
| 15                 | PAOFF              | 8V613       | 7-115117042-5      | • Bracket Assy, Bellcr .....                                                                                                        | 1          |
| 16                 | XDFZZ              | 02731       | HS606S4-12         | • • Bushing, Sleeve .....                                                                                                           | 1          |
| 17                 | PAOOO              | 8V613       | 7-211524001-577    | • Push-Pull Rod Assy .....                                                                                                          | 1          |
| 18                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                                     | 2          |
| 19                 | PAOZZ              | 96906       | MS27576-4-25       | • Bolt, Close Toleranc .....                                                                                                        | 1          |
| 20                 | PAOZZ              | 80205       | NAS6604H9          | • Bolt, Shear .....                                                                                                                 | 4          |
| 21                 | PAOZZ              | 76301       | 7M128-015-4E       | • Packing With Retain .....                                                                                                         | 4          |
| 22                 | PAOFF              | 8V613       | 7-311517043        | • Bracket Assy, Bellcr .....                                                                                                        | 1          |
| 23                 | PAFZZ              | 02731       | HS606S4-18         | • • Bushing, Sleeve .....                                                                                                           | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                     |            |



M09-970H

Figure 625. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Collective) (Part 2)  
7-311517000

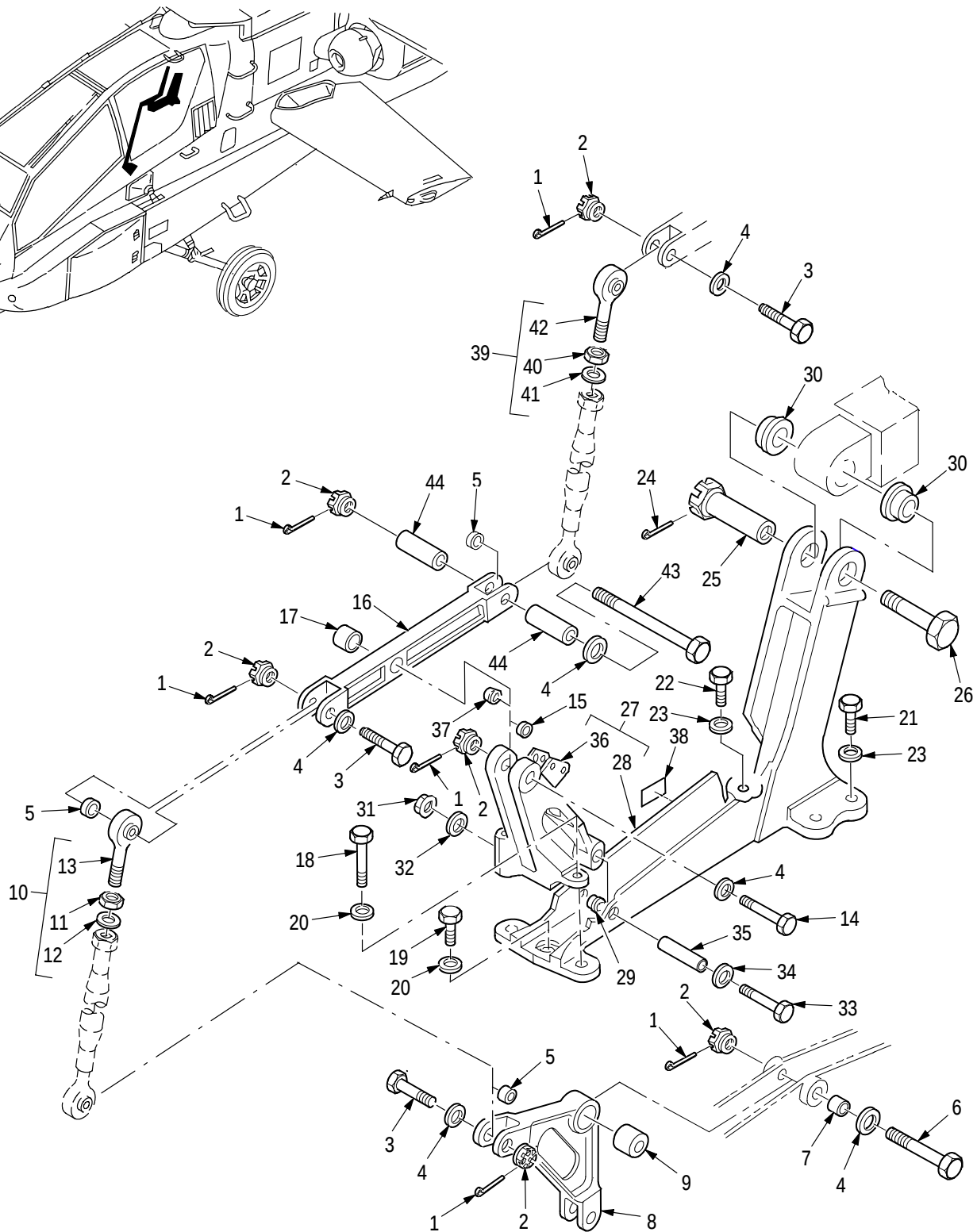
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                         | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 625 Linkage Installation, Control<br>(FS 115 to FS 176) (Collective) (Part 2)<br>7-311517000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                 | 4          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                       | 4          |
| 3                  | PAOZZ              | 80205       | MS27576-4-15       | • Bolt, Close Toleranc .....                                                                                                        | 3          |
| 4                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                        | 2          |
| 5                  | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                                | 3          |
| 6                  | PAOZZ              | 02731       | HS5542-04094       | • Bushing, Sleeve .....                                                                                                             | 1          |
| 7                  | PAOOO              | 8V613       | 7-211524001-579    | • Push-Pull Rod Assy .....                                                                                                          | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                       | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                               | 1          |
| 10                 | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                     | 1          |
| 11                 | PAOZZ              | 80205       | MS27576-4-42       | • Bolt, Close Toleranc .....                                                                                                        | 1          |
| 12                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                                | 1          |
| 13                 | PAOZZ              | 02731       | HS5542-04059       | • Bushing, Sleeve .....                                                                                                             | 1          |
| 14                 | PAOZZ              | 02731       | HS5542-04122       | • Bushing, Sleeve .....                                                                                                             | 1          |
| 15                 | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                             | 1          |
| 16                 | PAOZZ              | 21335       | MKP4AFS464         | • Bearing, Ball, Airfra .....                                                                                                       | 1          |
| 17                 | PAOFF              | 8V613       | 7-115117044-9      | • Bell Crank .....                                                                                                                  | 1          |
| 18                 | PAFZZ              | 21335       | MKP4AFS464         | • • Bearing, Ball, Airfra .....                                                                                                     | 1          |
| 19                 | PAOZZ              | 96906       | MS21250H04008      | • Bolt, Shear .....                                                                                                                 | 2          |
| 20                 | PAOZZ              | 96906       | MS21250-04010      | • Bolt, Shear .....                                                                                                                 | 1          |
| 21                 | PAOZZ              | 96906       | MS21206-C4         | • Washer, Recessed .....                                                                                                            | 3          |
| 22                 | PAOZZ              | 80205       | NAS626H15          | • Bolt, Shear .....                                                                                                                 | 4          |
| 23                 | PAOZZ              | 96906       | MS21206-C6         | • Washer, Recessed .....                                                                                                            | 4          |
| 24                 | PAOZZ              | 81343       | AS123796           | • Pin, Cotter .....                                                                                                                 | 1          |
| 25                 | PAOZZ              | 8V613       | 7-211511215        | • Pin, Grooved, Headed .....                                                                                                        | 1          |
| 26                 | PAOZZ              | 8V613       | 7-211511213        | • Bolt, Shear .....                                                                                                                 | 1          |
| 27                 | PAOFF              | 8V613       | 7-311511176-7      | • Control Assembly, Qu .....                                                                                                        | 1          |
| 28                 | PAFZZ              | 02731       | HS5602-8-5         | • • Pin-Rivet, Threaded .....                                                                                                       | 4          |
| 29                 | PAFZZ              | 02731       | HS5582-8           | • • Collar, Pin-Rivet, Th .....                                                                                                     | 4          |
| 30                 | XDFFF              | 8V613       | 7-311511187        | • • Bracket, Crank Colle .....                                                                                                      | 1          |
| 31                 | PAFZZ              | 02731       | HS5515-1           | • • • Bushing, Sleeve<br>(Oversize Bushing for P/N HS606S4-11) .....                                                                | 1          |
| 31                 | XDFZZ              | 02731       | HS606S4-11         | • • • Bushing, Sleeve .....                                                                                                         | 1          |
| 32                 | XDFFF              | 8V613       | 7-311511186-19     | • • Bracket, Mounting .....                                                                                                         | 1          |
| 33                 | PAFZZ              | 02731       | HS5442-0001        | • • • Bearing, Sleeve<br>(Oversize Bearing for P/N 7-211511198-7) .....                                                             | 2          |
| 33                 | PAFZZ              | 8V613       | 7-211511198-7      | • • • Bushing, Sleeve .....                                                                                                         | 2          |
| 34                 | XDFZZ              | 02731       | HS4951-1           | • • • Plate, Identificatio .....                                                                                                    | 1          |
| 35                 | PAOOO              | 8V613       | 7-211524001-519    | • Push-Pull Rod Assy .....                                                                                                          | 1          |
| 36                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                       | 1          |
| 37                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                               | 1          |
| 38                 | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                     | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                     |            |



M09-724D

Figure 626. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Longitudinal) (Part 1) 7-311517000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 626 Linkage Installation, Control<br>(FS 115 to FS 176) (Longitudinal) (Part 1)<br>7-311517000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                   | 7          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                         | 7          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                          | 5          |
| 4                  | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                                  | 6          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                               | 5          |
| 6                  | PAOOO              | 8V613       | 7-211524001-559    | • Push-Pull Rod Assy .....                                                                                                            | 1          |
| 7                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                         | 1          |
| 8                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                 | 1          |
| 9                  | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                       | 1          |
| 10                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                         | 6          |
| 11                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                                  | 6          |
| 12                 | PAOZZ              | 80205       | NAS6604-8          | • Bolt, Shear .....                                                                                                                   | 5          |
| 13                 | PAOFF              | 8V613       | 7-311517069-5      | • SPAD Assembly, Contr (See Fig. 628 for Breakdown)<br>(Usbl Eff 82-23355 thru 88-0199) .....                                         | 1          |
| 13                 | PAOFF              | 8V613       | 7-311517069-7      | • SPAD Assembly, Contr (See Fig. 628 for Breakdown)<br>(Usbl Eff 88-0200 and Subs) .....                                              | 1          |
| 14                 | PAOZZ              | 8V613       | 7-211524001-561    | • Push-Pull Rod Assy .....                                                                                                            | 1          |
| 15                 | PAOZZ              | 96906       | MS27576-4-28       | • Bolt, Close Toleranc .....                                                                                                          | 1          |
| 16                 | PAOZZ              | 02731       | HS5542-04096       | • Bushing, Sleeve .....                                                                                                               | 1          |
| 17                 | PAOZZ              | 02731       | HS5542-04093       | • Bushing, Sleeve .....                                                                                                               | 1          |
| 18                 | PAOZZ              | 96906       | MS27576-4-41       | • Bolt, Close Toleranc .....                                                                                                          | 1          |
| 19                 | PAOZZ              | 02731       | HS5542-04062       | • Bushing, Sleeve .....                                                                                                               | 1          |
| 20                 | PAOZZ              | 21335       | MKP4AFS464         | • Bearing, Ball, Airfra .....                                                                                                         | 1          |
| 21                 | PAOZZ              | 02731       | HS5542-04078       | • Bushing, Sleeve .....                                                                                                               | 1          |
| 22                 | PAOFF              | 8V613       | 7-211517056-5      | • Bell Crank .....                                                                                                                    | 1          |
| 23                 | PAFZZ              | 21335       | MKP4AFS464         | • • Bearing, Ball, Airfra .....                                                                                                       | 1          |
| 24                 | PAOZZ              | 80205       | NAS6604-6          | • Bolt, Shear .....                                                                                                                   | 4          |
| 25                 | PAOFF              | 8V613       | 7-311517055        | • Bracket Assy, Bellcr .....                                                                                                          | 1          |
| 26                 | PAFZZ              | 02731       | HS606S4-11         | • • Bushing, Sleeve .....                                                                                                             | 1          |
| 27                 | PAOOO              | 8V613       | 7-211524001-563    | • Push-Pull Rod Assy .....                                                                                                            | 1          |
| 28                 | PAOZZ              | 88044       | AN21-14            | • • Bolt, Clevis .....                                                                                                                | 2          |
| 29                 | PAOZZ              | 80205       | NAS1149DN632K      | • • Washer, Flat .....                                                                                                                | 2          |
| 30                 | PAOZZ              | 88044       | AN320-1            | • • Nut, Plain, Slotted H .....                                                                                                       | 2          |
| 31                 | PAOZZ              | 8V613       | 7-115116059-3      | • • Bearing, Plain, Rod E .....                                                                                                       | 2          |
| 32                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                         | 2          |
| 33                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                 | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                       |            |

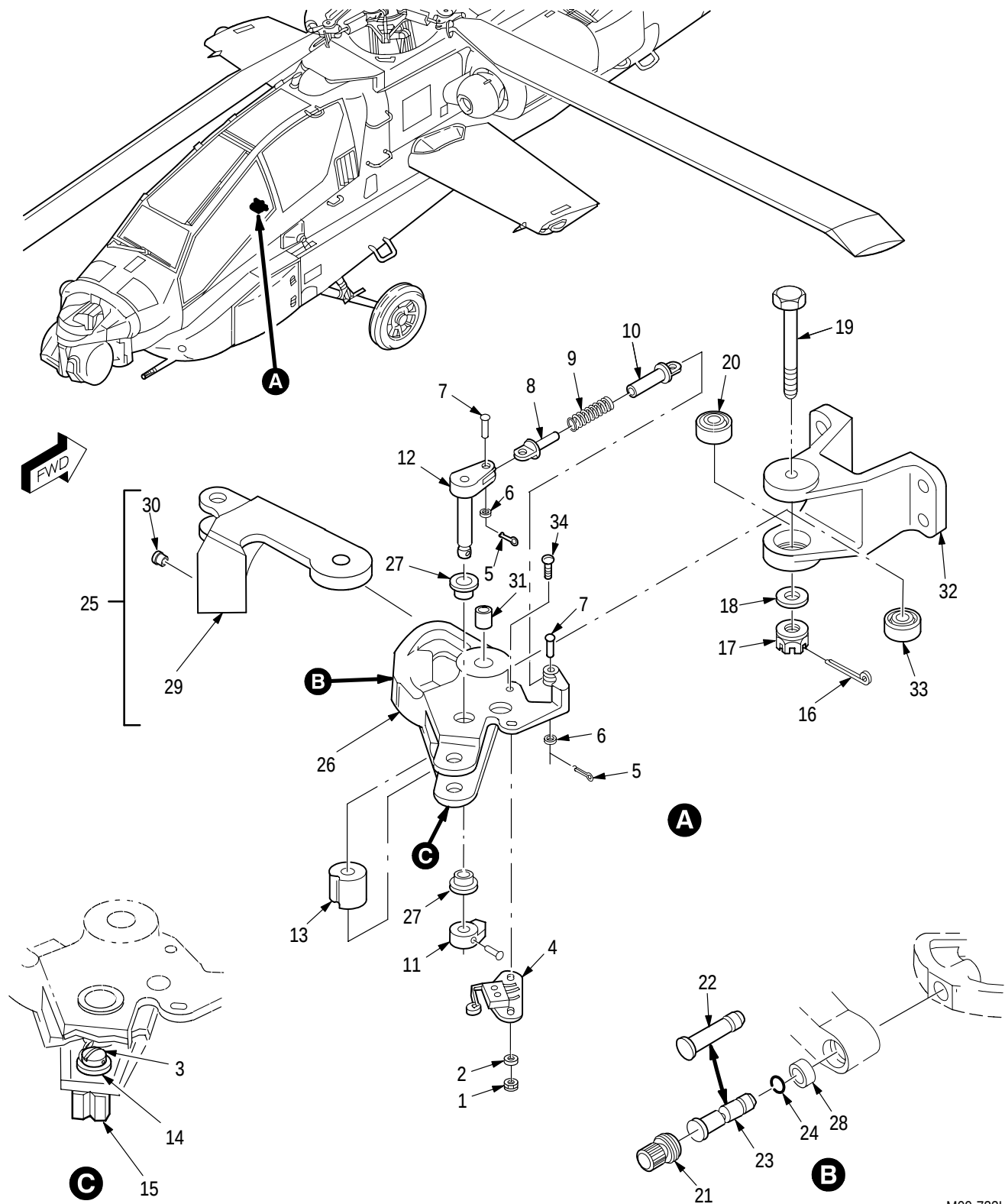


M09-971G

Figure 627. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Longitudinal) (Part 2)  
7-311517000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 627 Linkage Installation, Control<br>(FS 115 to FS 176) (Longitudinal) (Part 2)<br>7-311517000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                                   | 6          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                         | 6          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                          | 3          |
| 4                  | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                                  | 6          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                               | 3          |
| 6                  | PAOZZ              | 80205       | MS27576-4-29       | • Bolt, Close Toleranc .....                                                                                                          | 1          |
| 7                  | PAOZZ              | 02731       | HS5542-04072       | • Bushing, Sleeve .....                                                                                                               | 1          |
| 8                  | PAOFF              | 8V613       | 7-115117005-5      | • Bell Crank .....                                                                                                                    | 1          |
| 9                  | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....                                                                                                       | 1          |
| 10                 | PAOOO              | 8V613       | 7-211524001-565    | • Push-Pull Rod Assy .....                                                                                                            | 1          |
| 11                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                         | 1          |
| 12                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                 | 1          |
| 13                 | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                       | 1          |
| 14                 | PAOZZ              | 80205       | MS27576-4-26       | • Bolt, Close Toleranc .....                                                                                                          | 1          |
| 15                 | PAOZZ              | 02731       | HS5542-04073       | • Bushing, Sleeve .....                                                                                                               | 1          |
| 16                 | PAOFF              | 8V613       | 7-115117030-5      | • Bell Crank .....                                                                                                                    | 1          |
| 17                 | PAFZZ              | 96906       | MS27647-4A         | • • Bearing, Ball, Airfra .....                                                                                                       | 1          |
| 18                 | PAOZZ              | 96906       | MS21250-04024      | • Bolt, Shear .....                                                                                                                   | 2          |
| 19                 | PAOZZ              | 96906       | MS21250H04008      | • Bolt, Shear .....                                                                                                                   | 3          |
| 20                 | PAOZZ              | 96906       | MS21206-C4         | • Washer, Recessed .....                                                                                                              | 6          |
| 21                 | PAOZZ              | 80205       | NAS626H15          | • Bolt, Shear .....                                                                                                                   | 6          |
| 22                 | PAOZZ              | 80205       | NAS626H14          | • Bolt, Shear .....                                                                                                                   | 6          |
| 23                 | PAOZZ              | 96906       | MS21206-C6         | • Washer, Recessed .....                                                                                                              | 12         |
| 24                 | PAOZZ              | 81343       | AS123796           | • Pin, Cotter .....                                                                                                                   | 3          |
| 25                 | PAOZZ              | 8V613       | 7-211511215        | • Pin, Grooved, Headed .....                                                                                                          | 3          |
| 26                 | PAOZZ              | 8V613       | 7-211511213        | • Bolt, Shear .....                                                                                                                   | 3          |
| 27                 | PAOFF              | 8V613       | 7-311511175-17     | • Bracket Assy, Actuat .....                                                                                                          | 1          |
| 28                 | XAFFF              | 8V613       | 7-311511175-19     | • • Bracket, Structural .....                                                                                                         | 1          |
| 29                 | PAFZZ              | 02731       | HS5517-1           | • • • Bushing, Sleeve<br>(Oversize Bushing for P/N 7-311517075) .....                                                                 | 1          |
| 29                 | PAFZZ              | 8V613       | 7-311517075        | • • • Bushing, Sleeve .....                                                                                                           | 1          |
| 30                 | PAFZZ              | 8V613       | 7-211511198-7      | • • • Bushing, Sleeve .....                                                                                                           | 2          |
| 31                 | PAFZZ              | 80205       | MS21042-4          | • • Nut, Self-Locking, Ex .....                                                                                                       | 1          |
| 32                 | PAFZZ              | 02731       | HS306-225H         | • • Washer, Flat .....                                                                                                                | 1          |
| 33                 | PAFZZ              | 80205       | NAS1304-27         | • • Bolt, Shear .....                                                                                                                 | 1          |
| 34                 | PAFZZ              | 80205       | NAS1587-4C         | • • Washer, Recessed .....                                                                                                            | 1          |
| 35                 | PAFZZ              | 02731       | HS5542-04032       | • • Bushing, Sleeve .....                                                                                                             | 1          |
| 36                 | XAFFF              | 8V613       | 7-311517074        | • • Bracket Assy .....                                                                                                                | 1          |
| 37                 | PAFZZ              | 02731       | HS606S4-18         | • • • Bushing, Sleeve .....                                                                                                           | 1          |
| 38                 | XDFZZ              | 02731       | HS4726-2           | • • Plate, Ident .....                                                                                                                | 1          |
| 39                 | PAOOO              | 8V613       | 7-211524001-521    | • Push-Pull Rod Assy .....                                                                                                            | 1          |
| 40                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                         | 1          |
| 41                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                                 | 1          |
| 42                 | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                       | 1          |
| 43                 | PAOZZ              | 96906       | MS27576-4-64       | • Bolt, Close Toleranc .....                                                                                                          | 1          |
| 44                 | PAOZZ              | 8V613       | 7-311517076        | • Weight, Balance .....                                                                                                               | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                       |            |

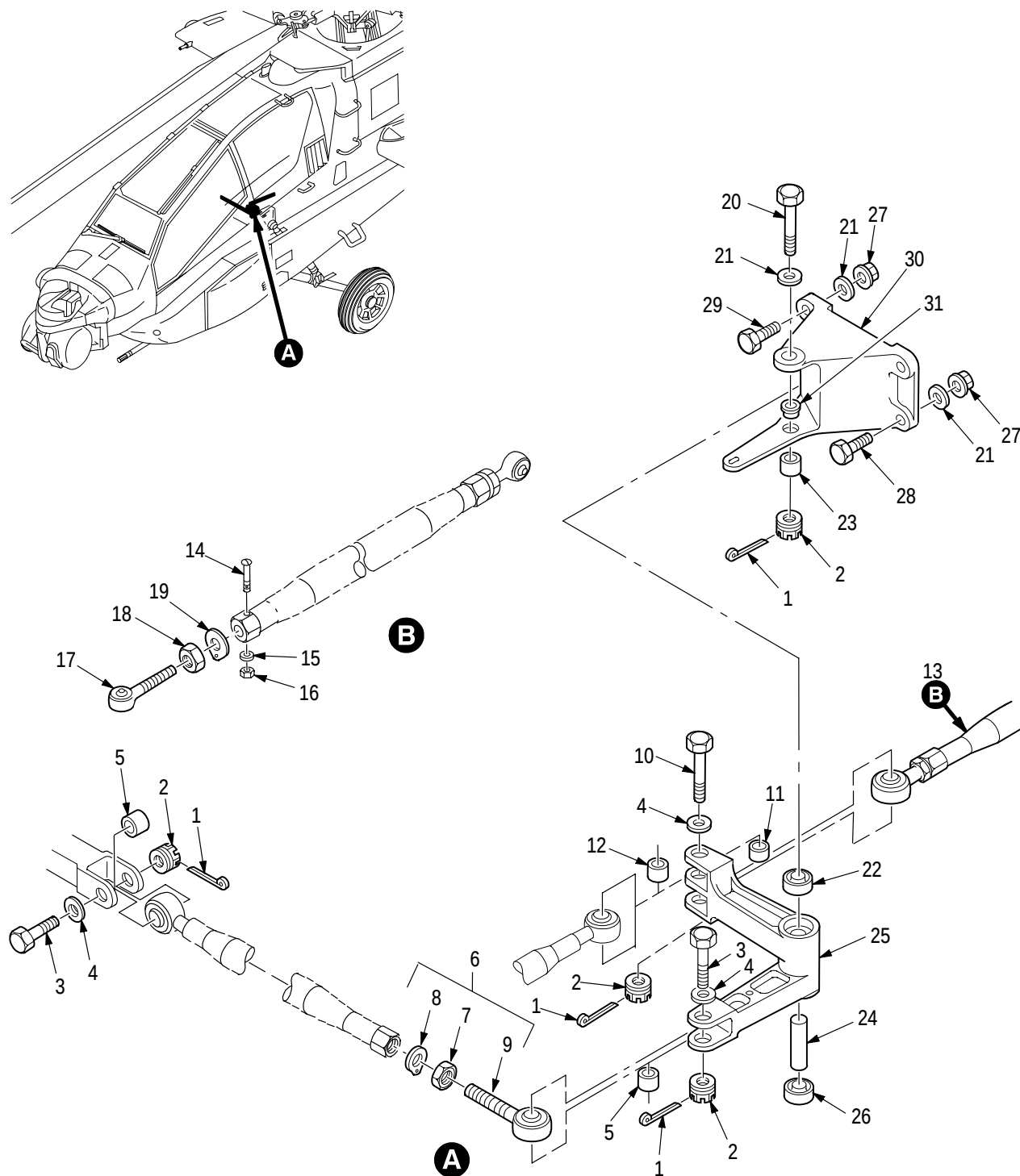




M09-723H

Figure 628. Group 11 SPAD Assembly, Control, Pilot (Longitudinal)  
 7-311517069-5 (Usbl Eff 82-23355 thru 88-0199)  
 7-311517069-7 (Usbl Eff 88-0200 and Subs)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 628 SPAD Assembly, Control, Pilot (Longitudinal)<br>7-311517069-5 (Usbl Eff 82-23355 thru 88-0199)<br>7-311517069-7 (Usbl Eff 88-0200 and Subs)<br>See Fig. 626 for NHA |            |
| 1                  | PAFZZ              | 80205       | MS21042-06         | • Nut, Self-Locking, Ex . . . . .                                                                                                                                                                              | 2          |
| 2                  | PAFZZ              | 88044       | AN960KD6L          | • Washer, Flat . . . . .                                                                                                                                                                                       | 2          |
| 3                  | PAFZZ              | 96906       | MS35275-228        | • Screw, Machine . . . . .                                                                                                                                                                                     | 2          |
| 4                  | PAFZZ              | 8V613       | 7-311514104-13     | • Switch Assy, SPAD(Usbl Eff 82-23355 thru 88-0199) . . . .                                                                                                                                                    | 1          |
| 4                  | PAFZZ              | 8V613       | 7-311514104-17     | • Switch, Push (Usbl Eff 88-0200 and Subs) . . . . .                                                                                                                                                           | 1          |
| 5                  | PAFZZ              | 96906       | MS24665-1010       | • Pin, Cotter . . . . .                                                                                                                                                                                        | 2          |
| 6                  | PAFZZ              | 88044       | AN960C4L           | • Washer, Flat . . . . .                                                                                                                                                                                       | 2          |
| 7                  | PAFZZ              | 96906       | MS9462-05          | • Pin, Straight, Headed . . . . .                                                                                                                                                                              | 2          |
| 8                  | PAFZZ              | 8V613       | 7-311514087        | • Guide, Spring, Intern . . . . .                                                                                                                                                                              | 1          |
| 9                  | PAFZZ              | 96906       | MS24585C211        | • Spring, Helical, Comp . . . . .                                                                                                                                                                              | 1          |
| 10                 | PAFZZ              | 8V613       | 7-311514086        | • Guide, Spring, Extern . . . . .                                                                                                                                                                              | 1          |
| 11                 | PAFZZ              | 8V613       | 7-311514085        | • Shaft, Straight . . . . .                                                                                                                                                                                    | 1          |
| 12                 | PAFZZ              | 8V613       | 7-311514084-7      | • Shaft, Actuator, Swit . . . . .                                                                                                                                                                              | 1          |
| 13                 | PAFZZ              | 8V613       | 7-311514102        | • Cam, Control . . . . .                                                                                                                                                                                       | 1          |
| 14                 | PAFZZ              | 88044       | AN960KD8L          | • Washer, Flat (Usbl Eff 82-23355 thru 88-0199) . . . . .                                                                                                                                                      | 2          |
| 14                 | PAFZZ              | 80205       | NAS620-6L          | • Washer, Flat (Usbl Eff 88-0200 and Subs) . . . . .                                                                                                                                                           | 2          |
| 15                 | XDFZZ              | 8V613       | 7-311514103-3      | • Detent . . . . .                                                                                                                                                                                             | 1          |
| 16                 | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter . . . . .                                                                                                                                                                                        | 1          |
| 17                 | PAFZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As . . . . .                                                                                                                                                                              | 1          |
| 18                 | PAFZZ              | 88044       | AN960-416          | • Washer, Flat . . . . .                                                                                                                                                                                       | 1          |
| 19                 | PAFZZ              | 96906       | MS27576-4-32       | • Bolt, Close Toleranc . . . . .                                                                                                                                                                               | 1          |
| 20                 | PAFZZ              | 96906       | MS27641-4          | • Bearing, Ball, Airfra . . . . .                                                                                                                                                                              | 1          |
| 21                 | PAOZZ              | 8V613       | 7-211514083        | • Retainer, Shear Pin . . . . .                                                                                                                                                                                | 1          |
| 22                 | PAFZZ              | 8V613       | 7-232310078-3      | • Pin, Grooved, Headed<br>(Usbl Eff 82-23355 thru 88-0199) . . . . .                                                                                                                                           | 1          |
| 23                 | PAOZZ              | 8V613       | 7-211514082        | • Pin, Grooved, Headed (Usbl Eff 88-0200 and Subs) . . . .                                                                                                                                                     | 1          |
| 24                 | PAOZZ              | 96906       | MS28775-009        | • O-Ring . . . . .                                                                                                                                                                                             | 1          |
| 25                 | PAFFF              | 8V613       | 7-311517063-3      | • SPAD Assembly, Contr . . . . .                                                                                                                                                                               | 1          |
| 26                 | XAFFF              | 8V613       | 7-311517064-5      | • • Lever Assy . . . . .                                                                                                                                                                                       | 1          |
| 27                 | PAFZZ              | 8V613       | 7-311514101        | • • • Bearing, Sleeve . . . . .                                                                                                                                                                                | 2          |
| 28                 | PAFZZ              | 8V613       | 7-311514096        | • • • Bushing, Sleeve . . . . .                                                                                                                                                                                | 1          |
| 29                 | XAFFF              | 8V613       | 7-311517065-5      | • • Lever . . . . .                                                                                                                                                                                            | 1          |
| 30                 | PAFZZ              | 8V613       | 7-211514095-3      | • • • Bearing, Sleeve . . . . .                                                                                                                                                                                | 1          |
| 31                 | XAFZZ              | 8V613       | 7-211517066        | • • Bushing . . . . .                                                                                                                                                                                          | 1          |
| 32                 | PAFFF              | 8V613       | 7-311517062        | • Bracket Assembly, Pi . . . . .                                                                                                                                                                               | 1          |
| 33                 | PAFZZ              | 96906       | MS27641-4          | • • Bearing, Ball, Airfra . . . . .                                                                                                                                                                            | 1          |
| 34                 | PAFZZ              | 80205       | NAS1190E06P6L      | • Screw, Cap, Socket He . . . . .                                                                                                                                                                              | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                                                                                |            |



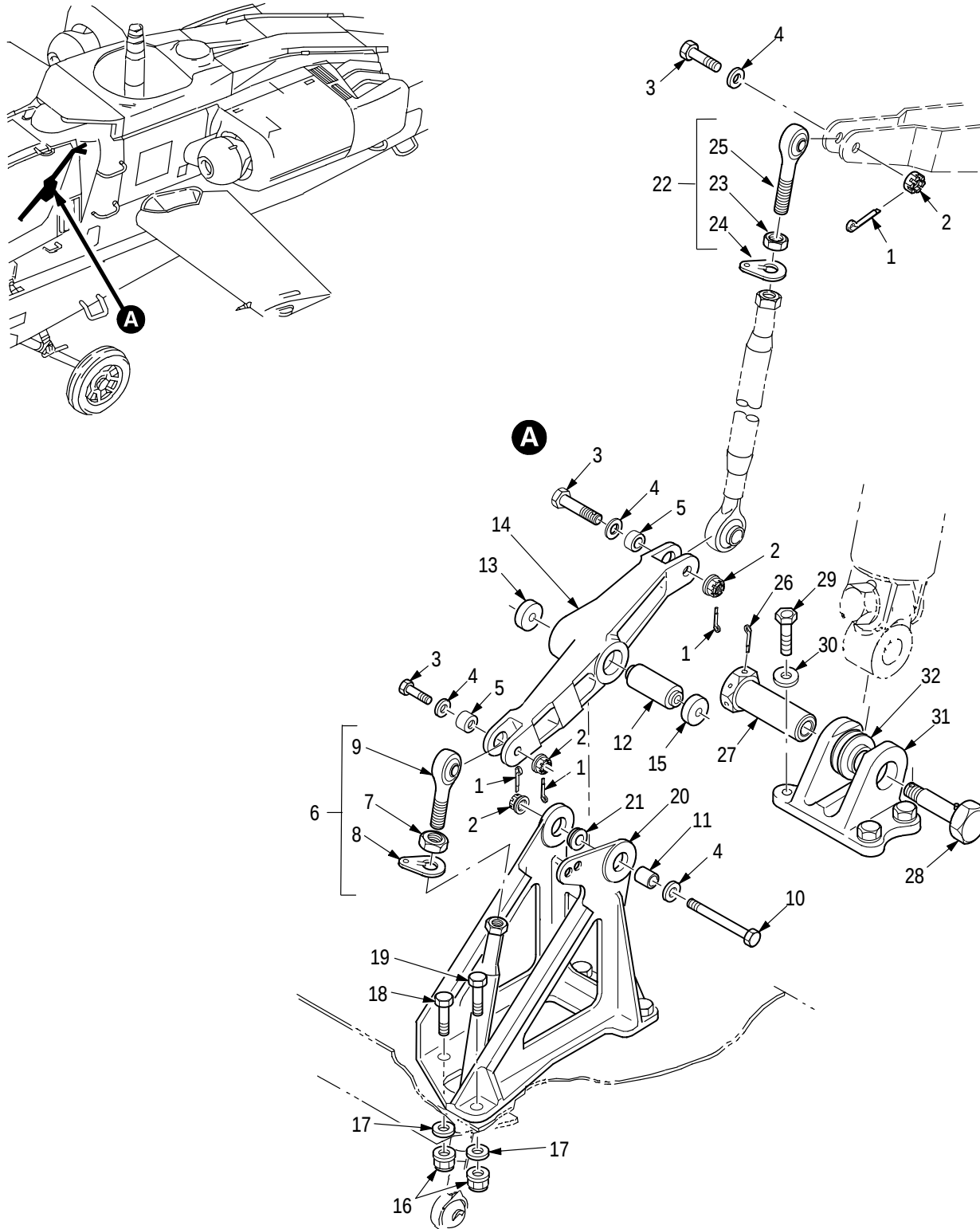
M09-727C

Figure 629. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Lateral) (Part 1)  
7-311517000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 629 Linkage Installation, Control<br>(FS 115 to FS 176) (Lateral) (Part 1)<br>7-311517000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                              | 4          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                    | 4          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                     | 2          |
| 4                  | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                             | 3          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                          | 2          |
| 6                  | PAOOO              | 8V613       | 7-211524001-549    | • Push-Pull Rod Assy .....                                                                                                       | 1          |
| 7                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                    | 1          |
| 8                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                            | 1          |
| 9                  | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                  | 1          |
| 10                 | PAOZZ              | 96906       | MS27576-4-28       | • Bolt, Close Toleranc .....                                                                                                     | 1          |
| 11                 | PAOZZ              | 02731       | HS5542-04096       | • Bushing, Sleeve .....                                                                                                          | 1          |
| 12                 | PAOZZ              | 02731       | HS5542-04093       | • Bushing, Sleeve .....                                                                                                          | 1          |
| 13                 | PAOOO              | 8V613       | 7-211524001-551    | • Push-Pull Rod Assy .....                                                                                                       | 1          |
| 14                 | PAOZZ              | 88044       | AN21-14            | • • Bolt, Clevis .....                                                                                                           | 2          |
| 15                 | PAOZZ              | 80205       | NAS1149DN632K      | • • Washer, Flat .....                                                                                                           | 2          |
| 16                 | PAOZZ              | 88044       | AN320-1            | • • Nut, Plain, Slotted H .....                                                                                                  | 2          |
| 17                 | PAOZZ              | 8V613       | 7-115116059-3      | • • Bearing, Plain, Rod E .....                                                                                                  | 2          |
| 18                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                    | 2          |
| 19                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                            | 2          |
| 20                 | PAOZZ              | 96906       | MS27576-4-39       | • Bolt, Close Toleranc .....                                                                                                     | 1          |
| 21                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                             | 5          |
| 22                 | PAOZZ              | 21335       | MKP4AFS464         | • Bearing, Ball, Airfra .....                                                                                                    | 1          |
| 23                 | PAOZZ              | 02731       | HS5542-04053       | • Bushing, Sleeve .....                                                                                                          | 1          |
| 24                 | PAOZZ              | 02731       | HS5542-04078       | • Bushing, Sleeve .....                                                                                                          | 1          |
| 25                 | PAOFF              | 8V613       | 7-211517054-5      | • Bell Crank .....                                                                                                               | 1          |
| 26                 | PAFZZ              | 21335       | MKP4AFS464         | • • Bearing, Ball, Airfra .....                                                                                                  | 1          |
| 27                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                    | 4          |
| 28                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....                                                                                                              | 2          |
| 29                 | PAOZZ              | 80205       | NAS6604H9          | • Bolt, Shear .....                                                                                                              | 2          |
| 30                 | PAOFF              | 8V613       | 7-311517053        | • Bracket Assy, Flight .....                                                                                                     | 1          |
| 31                 | PAFZZ              | 02731       | HS606S4-9          | • • Bushing, Sleeve .....                                                                                                        | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                  |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 630 Linkage Installation, Control<br>(FS 115 to FS 176) (Lateral) (Part 2)<br>7-311517000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                              | 6          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                    | 6          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                     | 3          |
| 4                  | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                             | 4          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                          | 6          |
| 6                  | PAOZZ              | 80205       | MS27576-4-24       | • Bolt, Close Toleranc .....                                                                                                     | 1          |
| 7                  | PAOZZ              | 02731       | HS5542-04063       | • Bushing, Sleeve .....                                                                                                          | 1          |
| 8                  | PAOFF              | 8V613       | 7-311517002        | • Bell Crank .....                                                                                                               | 1          |
| 9                  | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....                                                                                                  | 1          |
| 10                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                    | 8          |
| 11                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                             | 8          |
| 12                 | PAOZZ              | 96906       | MS9597-009         | • Bracket, Angle .....                                                                                                           | 1          |
| 13                 | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....                                                                                                           | 1          |
| 14                 | XDOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                                             | 1          |
| 15                 | PAOZZ              | 96906       | MS21919WCG6        | • Clamp, Loop .....                                                                                                              | 2          |
| 16                 | PAOZZ              | 96906       | MS21042L-3         | • Nut, Self-Locking, Ex .....                                                                                                    | 1          |
| 17                 | PAOZZ              | 80205       | NAS6604-5          | • Bolt, Machine .....                                                                                                            | 3          |
| 18                 | PAOFF              | 8V613       | 7-311517003        | • Bracket Assembly, La .....                                                                                                     | 1          |
| 19                 | PAFZZ              | 02731       | HS606S4-11         | • • Bushing, Sleeve .....                                                                                                        | 1          |
| 19                 | PAFZZ              | 02731       | HS5515-1           | • • Bushing, Sleeve<br>(Oversize Bushing for P/N HS606S4-11) .....                                                               | 1          |
| 20                 | XDOOO              | 8V613       | 7-211524001-553    | • Push-Pull Rod Assy .....                                                                                                       | 1          |
| 21                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                                  | 2          |
| 22                 | PAOZZ              | 80205       | MS27576-4-17       | • Bolt, Close Toleranc .....                                                                                                     | 1          |
| 23                 | PAOZZ              | 02731       | HS5542-04052       | • Bushing, Sleeve .....                                                                                                          | 1          |
| 24                 | PAOFF              | 8V613       | 7-115117037-5      | • Bell Crank .....                                                                                                               | 1          |
| 25                 | PAFZZ              | 96906       | MS27647-4A         | • • Bearing, Ball, Airfra .....                                                                                                  | 1          |
| 26                 | PAOZZ              | 80205       | NAS6604-6          | • Bolt, Shear .....                                                                                                              | 3          |
| 27                 | PAOZZ              | 76301       | 7M128-015-4E       | • Packing With Retain .....                                                                                                      | 4          |
| 28                 | PAOFF              | 8V613       | 7-311517038        | • Bracket Assy, Bellcr .....                                                                                                     | 1          |
| 29                 | PAFZZ              | 02731       | HS606S4-7          | • • Bushing, Sleeve .....                                                                                                        | 1          |
| 30                 | PAOZZ              | 80205       | NAS6604-7          | • Bolt, Shear .....                                                                                                              | 3          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                  |            |

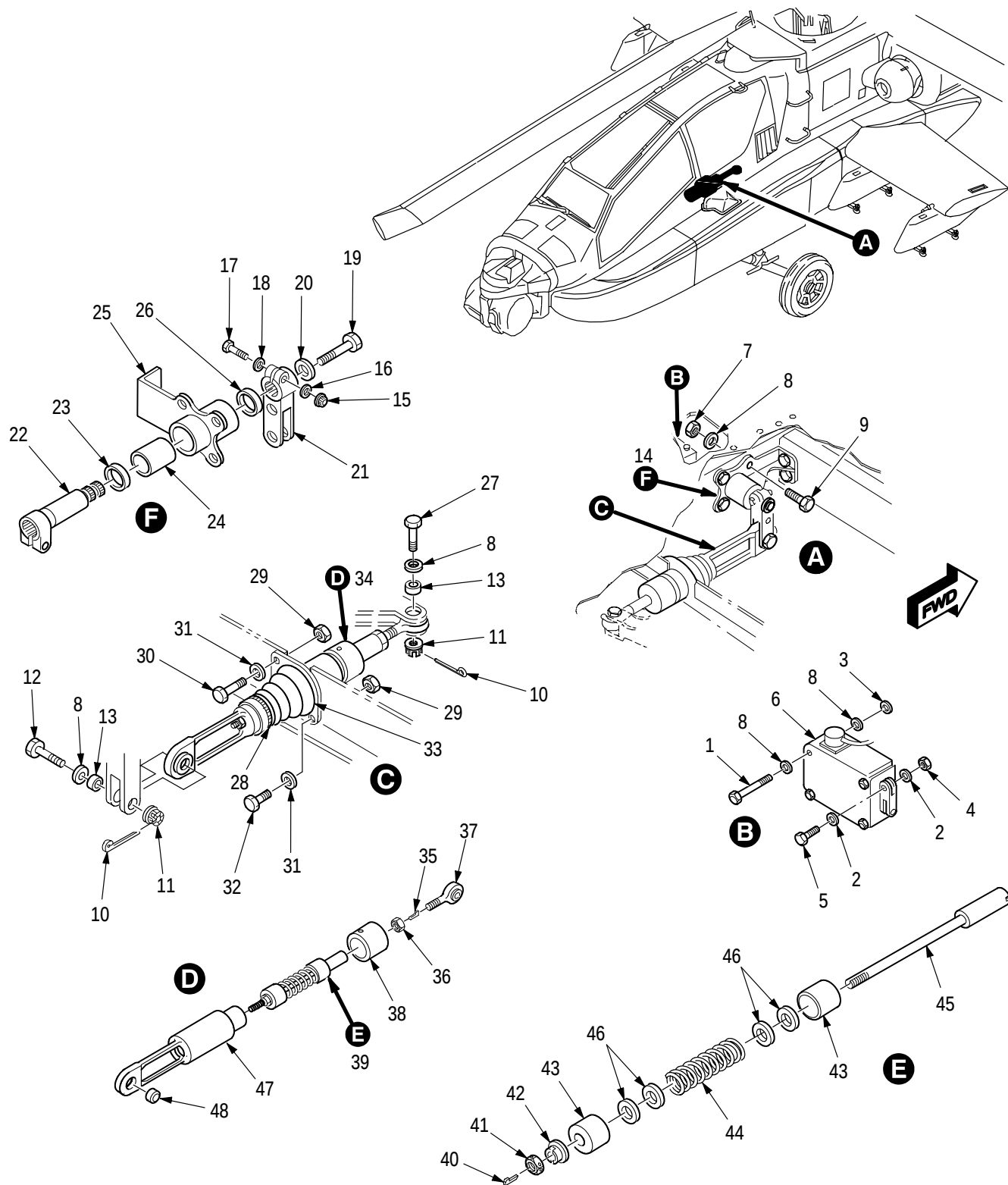


MM09-972D

Figure 631. Group 11 Linkage Installation, Control (FS 115 to FS 176) (Lateral) (Part 3)  
7-311517000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 631 Linkage Installation, Control<br>(FS 115 to FS 176) (Lateral) (Part 3)<br>7-311517000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                              | 4          |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                    | 4          |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                     | 3          |
| 4                  | PAOZZ              | 80205       | NAS1149D0416J      | • Washer, Flat .....                                                                                                             | 4          |
| 5                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                          | 2          |
| 6                  | PAOOO              | 8V613       | 7-211524001-555    | • Push-Pull Rod Assy .....                                                                                                       | 1          |
| 7                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                    | 1          |
| 8                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                            | 1          |
| 9                  | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                  | 1          |
| 10                 | PAFZZ              | 80205       | MS27576-4-40       | • Bolt, Close Toleranc .....                                                                                                     | 1          |
| 11                 | PAOZZ              | 02731       | HS5542-04056       | • Bushing, Sleeve .....                                                                                                          | 1          |
| 12                 | PAOZZ              | 02731       | HS5542-04079       | • Bushing, Sleeve .....                                                                                                          | 1          |
| 13                 | PAOZZ              | 21335       | MKP4AFS464         | • Bearing, Ball, Airfra .....                                                                                                    | 1          |
| 14                 | PAOFF              | 8V613       | 7-311517039        | • Bell Crank .....                                                                                                               | 1          |
| 15                 | PAFZZ              | 21335       | MKP4AFS464         | • • Bearing, Ball, Airfra .....                                                                                                  | 1          |
| 16                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                    | 4          |
| 17                 | PAOZZ              | 80205       | NAS1149D0463J      | • Washer, Flat .....                                                                                                             | 4          |
| 18                 | PAOZZ              | 80205       | NAS6604-5          | • Bolt, Shear .....                                                                                                              | 1          |
| 19                 | PAOZZ              | 80205       | NAS6604-6          | • Bolt, Shear .....                                                                                                              | 11         |
| 20                 | PAOFF              | 8V613       | 7-311517040-5      | • Bracket Assy, Bellor .....                                                                                                     | 1          |
| 21                 | PAFZZ              | 02731       | HS606S4-7          | • • Bushing, Sleeve .....                                                                                                        | 1          |
| 22                 | PAOOO              | 8V613       | 7-211524001-517    | • Push-Pull Rod Assy .....                                                                                                       | 1          |
| 23                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                    | 1          |
| 24                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                            | 1          |
| 25                 | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                  | 1          |
| 26                 | PAOZZ              | 81343       | AS123796           | • Pin, Cotter .....                                                                                                              | 1          |
| 27                 | PAOZZ              | 8V613       | 7-211511215        | • Pin, Grooved, Headed .....                                                                                                     | 1          |
| 28                 | PAOZZ              | 8V613       | 7-211511213        | • Bolt, Shear .....                                                                                                              | 1          |
| 29                 | PAOZZ              | 80205       | NAS626H14          | • Bolt, Shear .....                                                                                                              | 4          |
| 30                 | PAOZZ              | 96906       | MS21206-C6         | • Washer, Recessed .....                                                                                                         | 4          |
| 31                 | PAOFF              | 8V613       | 7-311511139-9      | • Bracket Assy, Actuat .....                                                                                                     | 1          |
| 32                 | PAFZZ              | 02731       | HS5442-0001        | • • Bushing, Sleeve<br>(Oversize Bearing for P/N 7-211511198-7) .....                                                            | 2          |
| 32                 | PAFZZ              | 8V613       | 7-211511198-7      | • • Bushing, Sleeve .....                                                                                                        | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                  |            |





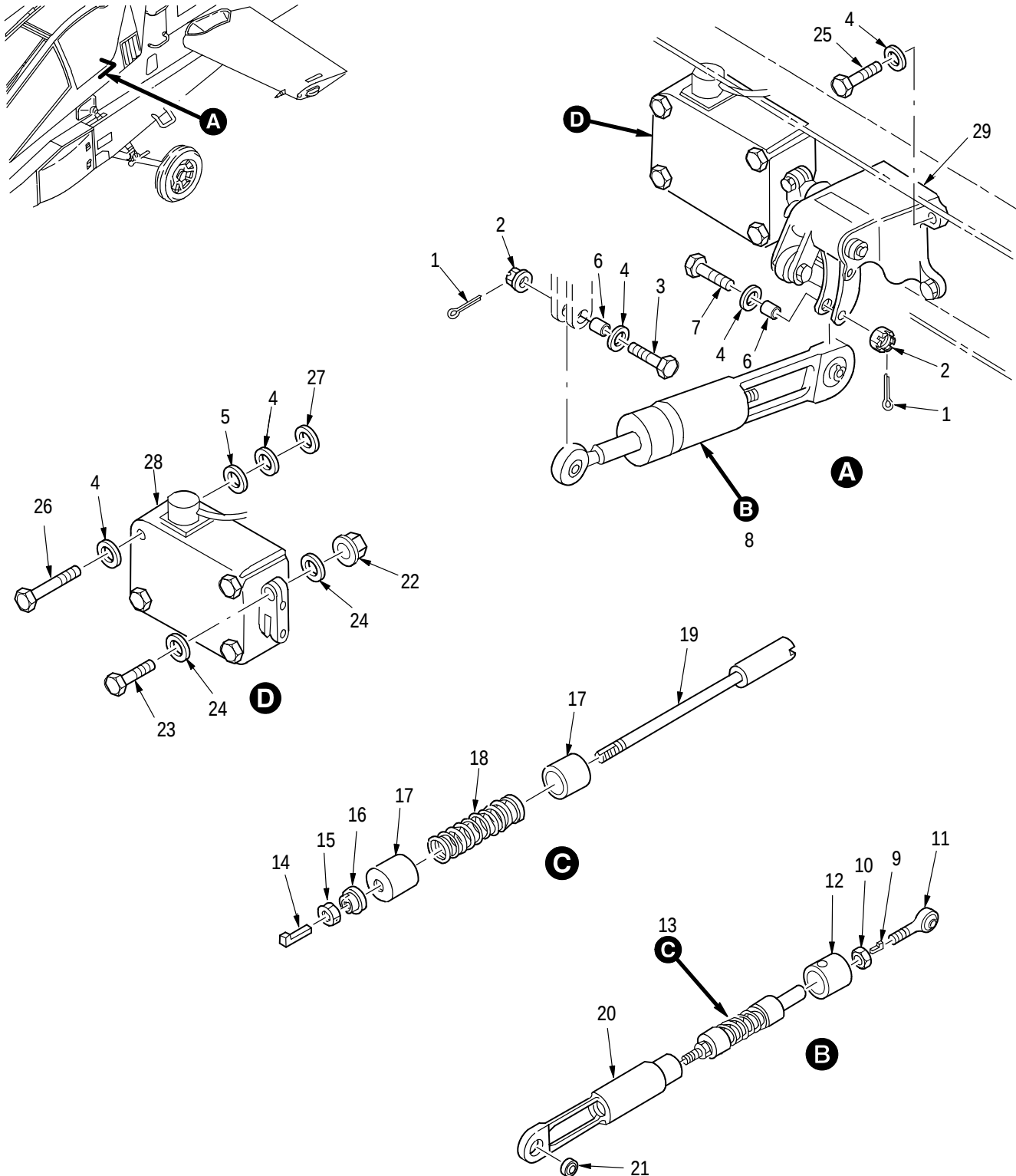
M09-981D

Figure 632. Group 11 Feel Spring Cartridge and Magnetic Brake Installation (Directional)  
7-311518000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 632 Feel Spring Cartridge and<br>Magnetic Brake Installation (Directional)<br>7-311518000 |            |
| 1                  | XDOZZ              | 80205       | NAS6603-31         | • Bolt, Shear .....                                                                                                              | 4          |
| 2                  | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....                                                                                                             | 10         |
| 3                  | PAOZZ              | 02731       | HS5079-2746        | • Shim .....                                                                                                                     | V          |
| 4                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                                                    | 1          |
| 5                  | PAOZZ              | 80205       | NAS6603-12         | • Bolt, Shear .....                                                                                                              | 1          |
| 6                  | PAOFF              | 8V613       | 7-311518001        | • Brake Assy, Magnetic (See Fig. 636 for Breakdown) .....                                                                        | 3          |
| 7                  | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....                                                                                                    | 6          |
| 8                  | PAOZZ              | 80205       | NAS1149G0332P      | • Washer, Flat .....                                                                                                             | 8          |
| 9                  | PAOZZ              | 80205       | NAS6604H3          | • Bolt, Shear .....                                                                                                              | 6          |
| 10                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                                              | 2          |
| 11                 | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                    | 2          |
| 12                 | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc .....                                                                                                     | 1          |
| 13                 | PAOZZ              | 02731       | HS5542-04087       | • Bushing, Sleeve .....                                                                                                          | 6          |
| 14                 | PAOFF              | 8V613       | 7-311518016-3      | • Bell Crank and Supp .....                                                                                                      | 1          |
| 15                 | PAFZZ              | 02731       | HS5763-3           | • • Nut, Self-Locking, Do .....                                                                                                  | 1          |
| 16                 | PAFZZ              | 96906       | MS21299-3          | • • Washer, Flat .....                                                                                                           | 1          |
| 17                 | PAFZZ              | 96906       | MS21250H03012      | • • Bolt, Shear .....                                                                                                            | 1          |
| 18                 | PAOZZ              | 96906       | MS21206-C3         | • • Washer, Recessed .....                                                                                                       | 1          |
| 19                 | PAFZZ              | 80205       | NAS563-19          | • • Bolt, Machine .....                                                                                                          | 1          |
| 20                 | PAFZZ              | 02731       | HS306-124H         | • • Washer, Flat .....                                                                                                           | 1          |
| 21                 | PAFZZ              | 8V613       | 7-311518005-3      | • • Bell Crank .....                                                                                                             | 1          |
| 22                 | PAFZZ              | 8V613       | 7-311518004        | • • Shaft, Shouldered .....                                                                                                      | 1          |
| 23                 | PAFZZ              | 81343       | MS27646-38         | • • Bearing, Ball, Airfra .....                                                                                                  | 1          |
| 24                 | PAFZZ              | 80205       | NAS43DD10-78N      | • • Spacer, Sleeve .....                                                                                                         | 1          |
| 25                 | PAFFF              | 8V613       | 7-311518003        | • • Support Assy .....                                                                                                           | 1          |
| 26                 | PAFZZ              | 81343       | MS27646-38         | • • • Bearing, Ball, Airfra .....                                                                                                | 1          |
| 27                 | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                     | 1          |
| 28                 | PAOZZ              | 66295       | WWD48-58H          | • Clamp, Hose .....                                                                                                              | 1          |
| 29                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                                                                    | 2          |
| 30                 | PAOZZ              | 80205       | NAS603-11P         | • Screw, Machine .....                                                                                                           | 1          |
| 31                 | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                                             | 2          |
| 32                 | PAOZZ              | 80205       | NAS603-8           | • Screw, Machine .....                                                                                                           | 1          |
| 33                 | PAOZZ              | 8V613       | 7-311518023        | • Boot, Aircraft Comp .....                                                                                                      | 1          |
| 34                 | PAOFF              | 8V613       | 7-311518002-7      | • Spring, Helical, Comp .....                                                                                                    | 1          |
| 35                 | PAFZZ              | 80205       | NAS559-2           | • • Lock, Rod End .....                                                                                                          | 1          |
| 36                 | PAFZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                    | 1          |
| 37                 | PAFZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                                  | 1          |
| 38                 | PAFZZ              | 8V613       | 7-311518008        | • • Cap, Feel Spring Fli .....                                                                                                   | 1          |
| 39                 | PAFFF              | 8V613       | 7-311518009-7      | • • Spring, Helical, Comp .....                                                                                                  | 1          |
| 40                 | PAFZZ              | 80205       | NAS559-1           | • • • Retainer, Rod End Lo .....                                                                                                 | 1          |
| 41                 | XDFZZ              | 80205       | NAS509-4           | • • • Nut, Plain, Hexagon .....                                                                                                  | 1          |
| 42                 | PAFZZ              | 8V613       | 7-311518022        | • • • Stop, Spring .....                                                                                                         | 1          |
| 43                 | PAFZZ              | 8V613       | 7-311518012-7      | • • • Cup, Spring, Flight C .....                                                                                                | 2          |
| 44                 | PAFZZ              | 8V613       | 7-311518013        | • • • Spring, Helical, Comp .....                                                                                                | 1          |
| 45                 | XAFZZ              | 8V613       | 7-311518011        | • • • Rod .....                                                                                                                  | 1          |
| 46                 | PAFZZ              | 88044       | AN960KD816         | • • • Washer, Flat .....                                                                                                         | 4          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 47                 | PAFFF              | 8V613       | 7-311518007        | • • Housing Assy, Flight .....              | 1          |
| 48                 | PAFZZ              | 96906       | MS27645-4          | • • • Bearing, Ball, Airfra .....           | 1          |
| END OF FIGURE      |                    |             |                    |                                             |            |

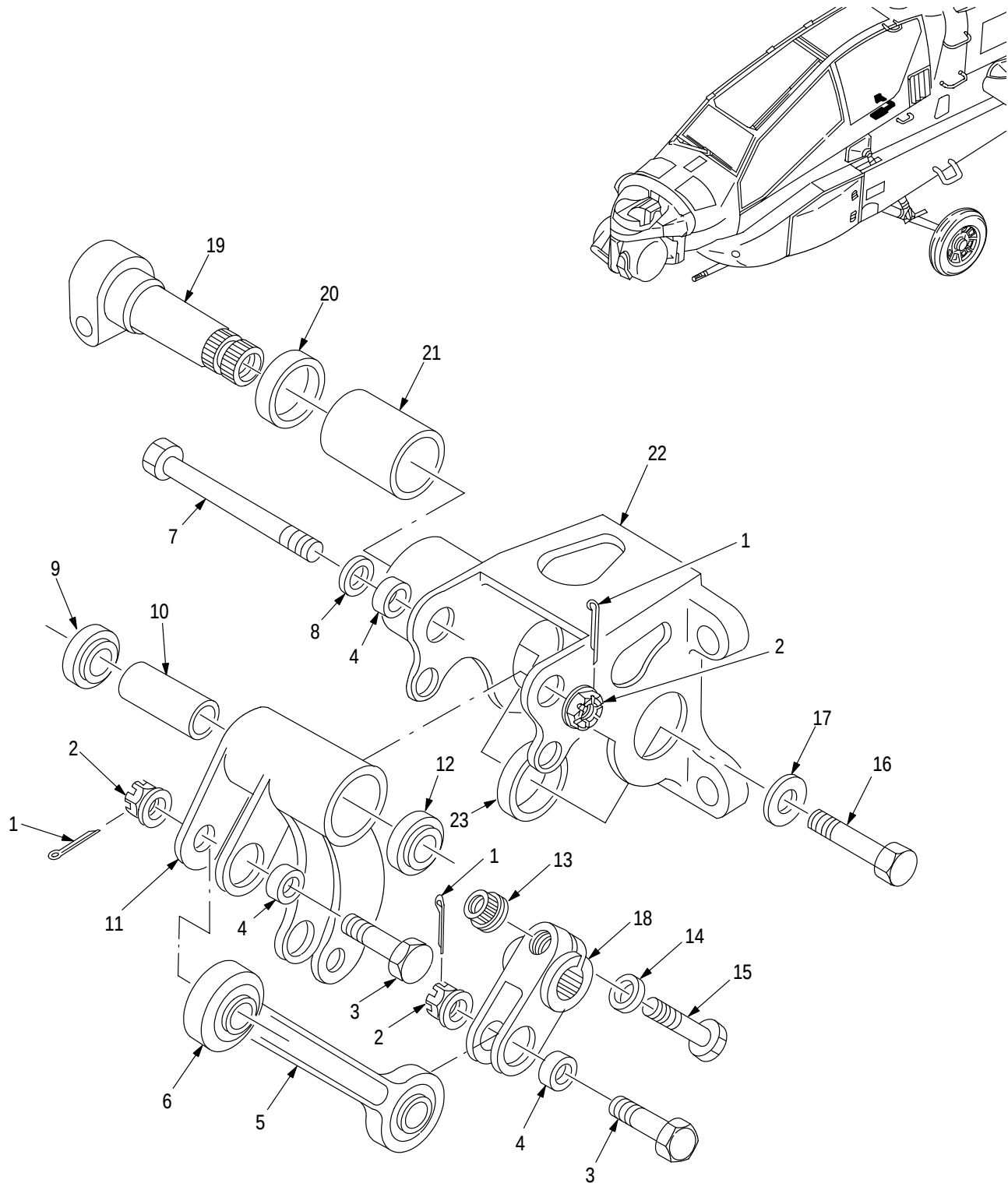




M09-982E

Figure 633. Group 11 Feel Spring Cartridge and Magnetic Brake Installation (Longitudinal)  
7-311518000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 633 Feel Spring Cartridge and<br>Magnetic Brake Installation (Longitudinal)<br>7-311518000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                                               | 2          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                     | 2          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                      | 1          |
| 4                  | PAOZZ              | 80205       | NAS1149G0332P      | • Washer, Flat .....                                                                                                              | 16         |
| 5                  | PAOZZ              | 80205       | NAS1149G0432P      | • Washer, Flat .....                                                                                                              | 4          |
| 6                  | PAOZZ              | 02731       | HS5542-04087       | • Bushing, Sleeve .....                                                                                                           | 6          |
| 7                  | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc .....                                                                                                      | 1          |
| 8                  | PAOFF              | 8V613       | 7-311518002-5      | • Spring, Helical, Comp .....                                                                                                     | 1          |
| 9                  | PAFZZ              | 80205       | NAS559-2           | •• Lock, Rod End .....                                                                                                            | 1          |
| 10                 | PAFZZ              | 80205       | NAS509-6           | •• Nut, Plain, Hexagon .....                                                                                                      | 1          |
| 11                 | PAFZZ              | 96906       | MS21151-8C         | •• Bearing, Ball, Rod En .....                                                                                                    | 1          |
| 12                 | PAFZZ              | 8V613       | 7-311518008        | •• Cap, Feel Spring Fli .....                                                                                                     | 1          |
| 13                 | PAFFF              | 8V613       | 7-311518009-5      | •• Spring, Helical, Comp .....                                                                                                    | 1          |
| 14                 | PAFZZ              | 80205       | NAS559-1           | ••• Retainer, Rod End Lo .....                                                                                                    | 1          |
| 15                 | XDFZZ              | 80205       | NAS509-4           | ••• Nut, Plain, Hexagon .....                                                                                                     | 1          |
| 16                 | PAFZZ              | 8V613       | 7-311518022        | ••• Stop, Spring .....                                                                                                            | 1          |
| 17                 | PAFZZ              | 8V613       | 7-311518012-5      | ••• Cup, Spring, Flight C .....                                                                                                   | 2          |
| 18                 | PAFZZ              | 8V613       | 7-311518033        | ••• Spring, Helical, Comp .....                                                                                                   | 1          |
| 19                 | XAFZZ              | 8V613       | 7-311518011        | ••• Rod .....                                                                                                                     | 1          |
| 20                 | PAFFF              | 8V613       | 7-311518007        | •• Housing Assy, Flight .....                                                                                                     | 1          |
| 21                 | PAFZZ              | 96906       | MS27645-4          | ••• Bearing, Ball, Airfra .....                                                                                                   | 1          |
| 22                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                                                     | 1          |
| 23                 | PAOZZ              | 80205       | NAS6603-12         | • Bolt, Shear .....                                                                                                               | 1          |
| 24                 | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....                                                                                                              | 2          |
| 25                 | PAOZZ              | 80205       | NAS6604-6          | • Bolt, Shear .....                                                                                                               | 4          |
| 26                 | PAFZZ              | 80205       | NAS6604-32         | • Bolt, Shear .....                                                                                                               | 2          |
| 27                 | PAOZZ              | 02731       | HS5079-2746        | • Shim .....                                                                                                                      | V          |
| 28                 | PAOFF              | 8V613       | 7-311518001        | • Brake Assy, Magnetic (See Fig. 636 for Breakdown) .....                                                                         | 3          |
| 29                 | PAOFF              | 8V613       | 7-311518018-3      | • Mechanism Assy Spri (See Fig. 634 for Breakdown) .....                                                                          | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                   |            |



M09-1202

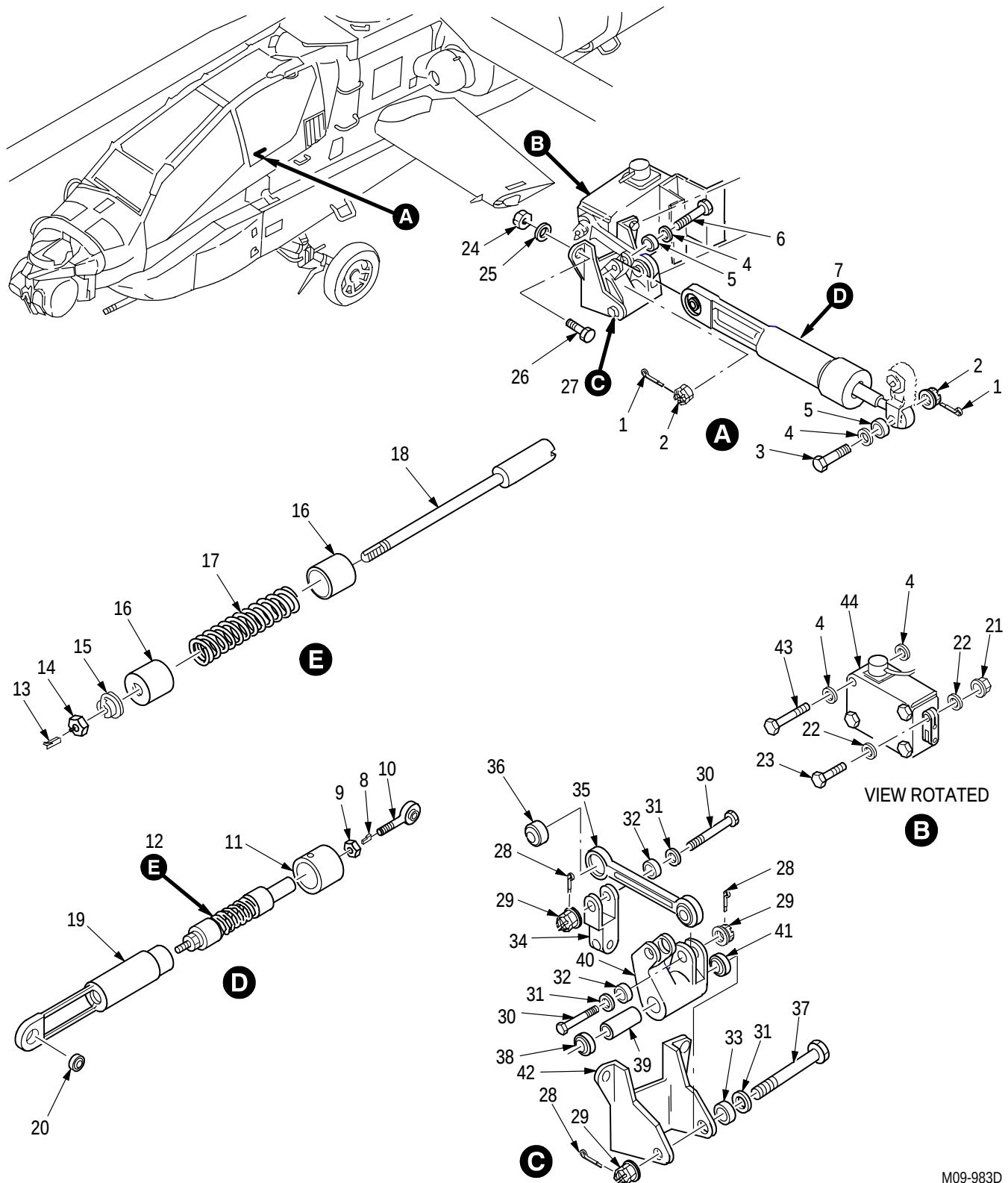
Figure 634. Group 11 Mechanism Assembly, Trim Feel Spring Cartridge (Longitudinal)  
7-311518018-3

## SECTION II

TM 1-1520-238-23P

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 634 Mechanism Assembly,<br>Trim Feel Spring Cartridge (Longitudinal)<br>7-311518018-3<br>See Fig. 633 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                                                                  | 3          |
| 2                  | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                                        | 3          |
| 3                  | PAOZZ              | 96906       | MS27576-4-11       | • Bolt, Close Toleranc .....                                                                                                                         | 2          |
| 4                  | PAFZZ              | 02731       | HS5542-04086       | • Bushing, Sleeve .....                                                                                                                              | 3          |
| 5                  | PAFFF              | 8V613       | 7-311518010        | • Connecting Link, Rig .....                                                                                                                         | 1          |
| 6                  | PAFZZ              | 96906       | MS14104-4K         | • • Bearing, Plain, Self- .....                                                                                                                      | 2          |
| 7                  | PAFZZ              | 96906       | MS27576-4-31       | • Bolt, Close Toleranc .....                                                                                                                         | 1          |
| 8                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....                                                                                                                                 | 1          |
| 9                  | PAFZZ              | 96906       | MS27641-4          | • Bearing, Ball, Airfra .....                                                                                                                        | 1          |
| 10                 | PAFZZ              | 80205       | NAS43DD4-68N       | • Spacer, Sleeve .....                                                                                                                               | 1          |
| 11                 | PAFFF              | 8V613       | 7-311518020-5      | • Bell Crank .....                                                                                                                                   | 1          |
| 12                 | PAFZZ              | 96906       | MS27641-4          | • • Bearing, Ball, Airfra .....                                                                                                                      | 1          |
| 13                 | PAFZZ              | 02731       | HS5763-3           | • Nut, Self-Locking, Do .....                                                                                                                        | 1          |
| 14                 | PAOZZ              | 96906       | MS21206-C3         | • Washer, Recessed .....                                                                                                                             | 1          |
| 15                 | PAFZZ              | 96906       | MS21250H03010      | • Bolt, Shear .....                                                                                                                                  | 1          |
| 16                 | PAOZZ              | 80205       | NAS563-19          | • Bolt, Machine .....                                                                                                                                | 1          |
| 17                 | PAOZZ              | 02731       | HS306-124H         | • Washer, Flat .....                                                                                                                                 | 1          |
| 18                 | PAOZZ              | 8V613       | 7-311518019        | • Lever, Remote Contro .....                                                                                                                         | 1          |
| 19                 | PAFZZ              | 8V613       | 7-311518004        | • Shaft, Shouldered .....                                                                                                                            | 1          |
| 20                 | PAFZZ              | 81343       | MS27646-38         | • Bearing, Ball, Airfra .....                                                                                                                        | 1          |
| 21                 | PAFZZ              | 80205       | NAS43DD10-80N      | • Spacer, Sleeve .....                                                                                                                               | 1          |
| 22                 | PAFFF              | 8V613       | 7-311518021-5      | • Housing, Mechanical .....                                                                                                                          | 1          |
| 23                 | PAFZZ              | 81343       | MS27646-38         | • • Bearing, Ball, Airfra .....                                                                                                                      | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                      |            |

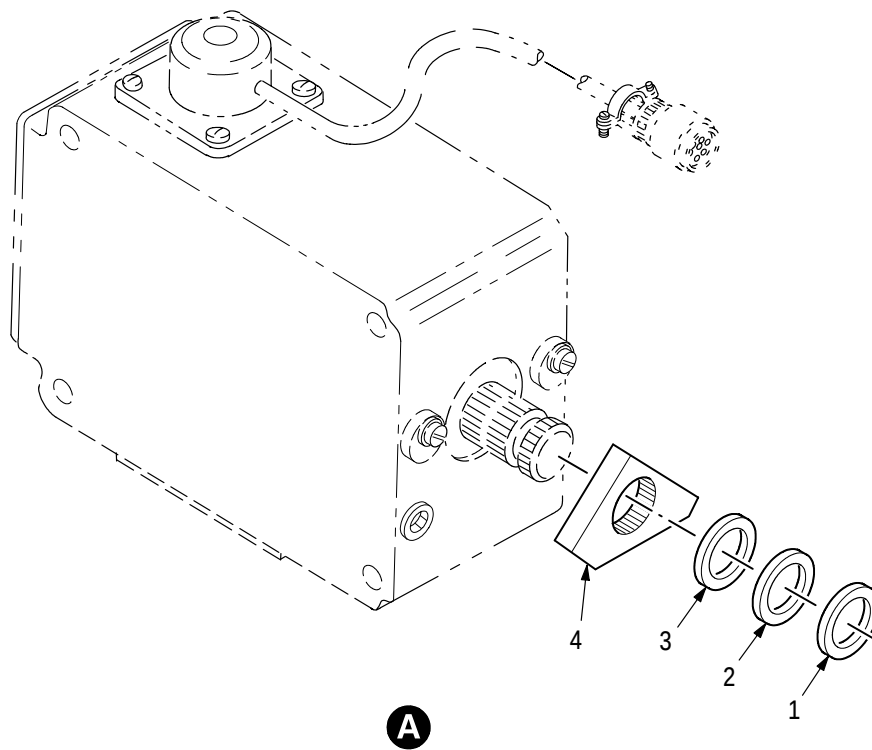
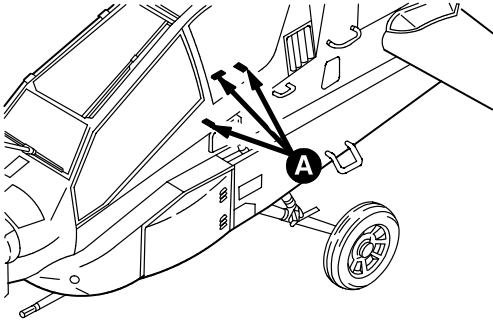




M09-983D

Figure 635. Group 11 Feel Spring Cartridge and Magnetic Brake Installation (Lateral)  
7-311518000

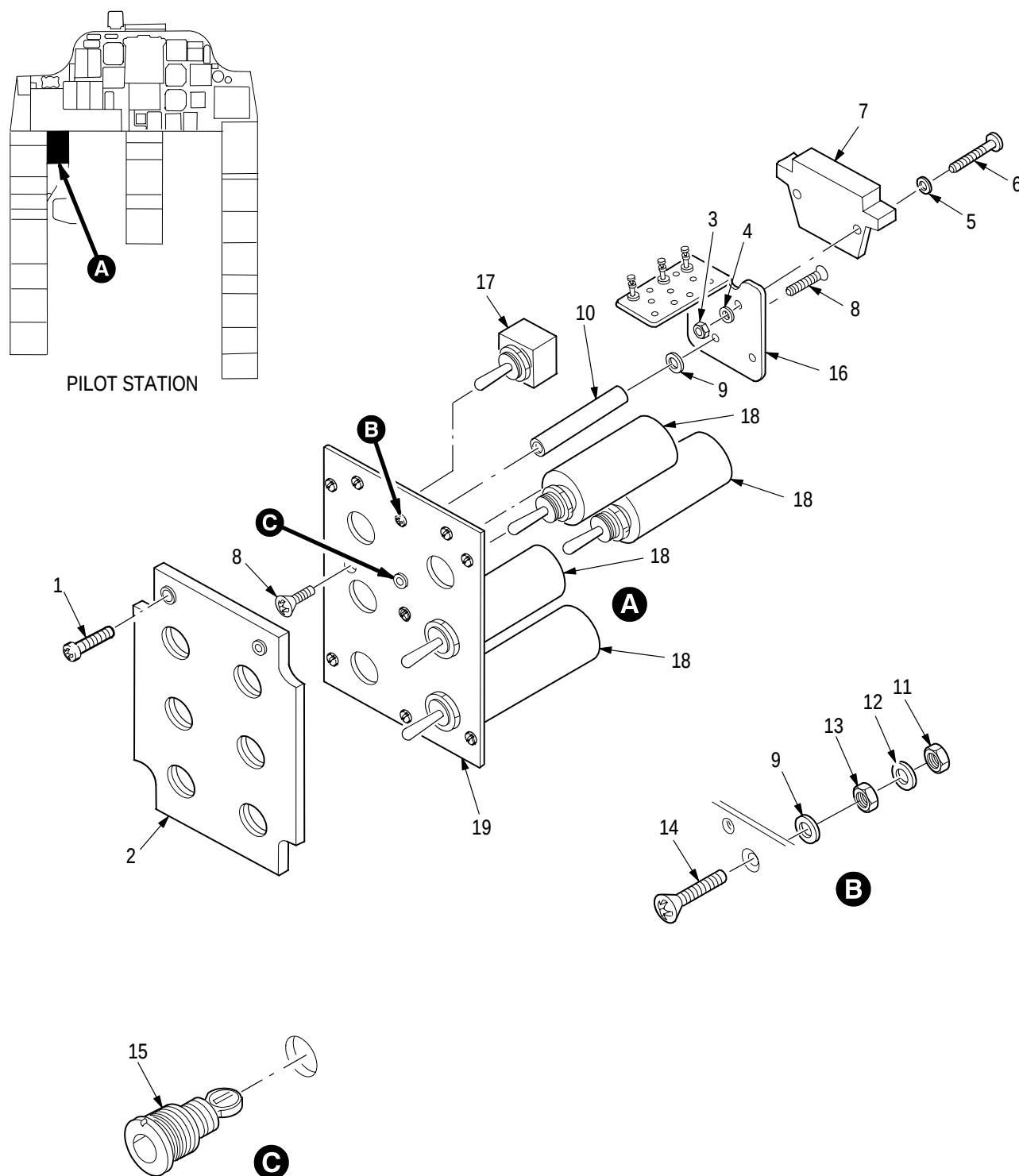
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 635 Feel Spring Cartridge and<br>Magnetic Brake Installation (Lateral)<br>7-311518000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                                          | 2          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                | 2          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                 | 1          |
| 4                  | PAOZZ              | 80205       | NAS1149G0332P      | • Washer, Flat .....                                                                                                         | 8          |
| 5                  | PAOZZ              | 02731       | HS5542-04087       | • Bushing, Sleeve .....                                                                                                      | 6          |
| 6                  | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc .....                                                                                                 | 1          |
| 7                  | PAOFF              | 8V613       | 7-311518002-3      | • Spring, Helical, Comp .....                                                                                                | 1          |
| 8                  | PAFZZ              | 80205       | NAS559-2           | • • Lock, Rod End .....                                                                                                      | 1          |
| 9                  | PAFZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                | 1          |
| 10                 | PAFZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                              | 1          |
| 11                 | PAFZZ              | 8V613       | 7-311518008        | • • Cap, Feel Spring Fli .....                                                                                               | 1          |
| 12                 | PAFFF              | 8V613       | 7-311518009-3      | • • Spring, Helical, Comp .....                                                                                              | 1          |
| 13                 | PAFZZ              | 80205       | NAS559-1           | • • • Retainer, Rod End Lo .....                                                                                             | 1          |
| 14                 | XDFZZ              | 80205       | NAS509-4           | • • • Nut, Plain, Hexagon .....                                                                                              | 1          |
| 15                 | PAFZZ              | 8V613       | 7-311518022        | • • • Stop, Spring .....                                                                                                     | 1          |
| 16                 | PAFZZ              | 8V613       | 7-311518012-3      | • • • Cup, Spring, Flight C .....                                                                                            | 2          |
| 17                 | PAFZZ              | 8V613       | 7-311518013        | • • • Spring, Helical, Comp .....                                                                                            | 1          |
| 18                 | XAFZZ              | 8V613       | 7-311518011        | • • • Rod .....                                                                                                              | 1          |
| 19                 | PAFFF              | 8V613       | 7-311518007        | • • Housing Assy, Flight .....                                                                                               | 1          |
| 20                 | PAFZZ              | 96906       | MS27645-4          | • • • Bearing, Ball, Airfra .....                                                                                            | 1          |
| 21                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                                                | 1          |
| 22                 | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....                                                                                                         | 2          |
| 23                 | PAOZZ              | 80205       | NAS6603-12         | • Bolt, Shear .....                                                                                                          | 1          |
| 24                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....                                                                                                | 4          |
| 25                 | PAOZZ              | 80205       | NAS1149G0432P      | • Washer, Flat .....                                                                                                         | 4          |
| 26                 | PAOZZ              | 80205       | NAS6604-4          | • Bolt, Shear .....                                                                                                          | 4          |
| 27                 | PAOFF              | 8V613       | 7-311518017        | • Mechanism Assy .....                                                                                                       | 1          |
| 28                 | PAOZZ              | 96906       | MS24665-153        | • • Pin, Cotter .....                                                                                                        | 3          |
| 29                 | PAOZZ              | 96906       | MS21224-4          | • • Nut, Self-Locking, As .....                                                                                              | 3          |
| 30                 | PAOZZ              | 96906       | MS27576-4-11       | • • Bolt, Close Toleranc .....                                                                                               | 2          |
| 31                 | PAOZZ              | 88044       | AN960-416L         | • • Washer, Flat .....                                                                                                       | 2          |
| 32                 | PAOZZ              | 02731       | HS5542-04086       | • • Bushing, Sleeve .....                                                                                                    | 2          |
| 33                 | PAOZZ              | 02731       | HS5542-04088       | • • Bushing, Sleeve .....                                                                                                    | 1          |
| 34                 | PAFZZ              | 8V613       | 7-311518015        | • • Arm, Lateral Trim .....                                                                                                  | 1          |
| 35                 | PAFFF              | 8V613       | 7-311518010        | • • Connecting Link, Rig .....                                                                                               | 1          |
| 36                 | PAFZZ              | 96906       | MS14104-4K         | • • • Bearing, Plain, Self .....                                                                                             | 2          |
| 37                 | PAOZA              | 96906       | MS27576-4-33       | • • Bolt, Close Toleranc .....                                                                                               | 1          |
| 38                 | PAFZZ              | 96906       | MS27641-4          | • • Bearing, Ball, Airfra .....                                                                                              | 1          |
| 39                 | PAFZZ              | 80205       | NAS43DD4-68N       | • • Spacer, Sleeve .....                                                                                                     | 1          |
| 40                 | PAFFF              | 8V613       | 7-311518006        | • • Bell Crank .....                                                                                                         | 1          |
| 41                 | PAFZZ              | 96906       | MS27641-4          | • • • Bearing, Ball, Airfra .....                                                                                            | 1          |
| 42                 | PAOZZ              | 8V613       | 7-311518014        | • • Bracket Assy .....                                                                                                       | 1          |
| 43                 | PAFZZ              | 80205       | NAS6604-30         | • Bolt, Shear .....                                                                                                          | 4          |
| 44                 | PAOFF              | 8V613       | 7-311518001        | • Brake Assy, Magnetic (See Fig. 636 for Breakdown) .....                                                                    | 3          |
| END OF FIGURE      |                    |             |                    |                                                                                                                              |            |



M09-732D

Figure 636. Group 11 Brake Assembly, Magnetic  
7-311518001

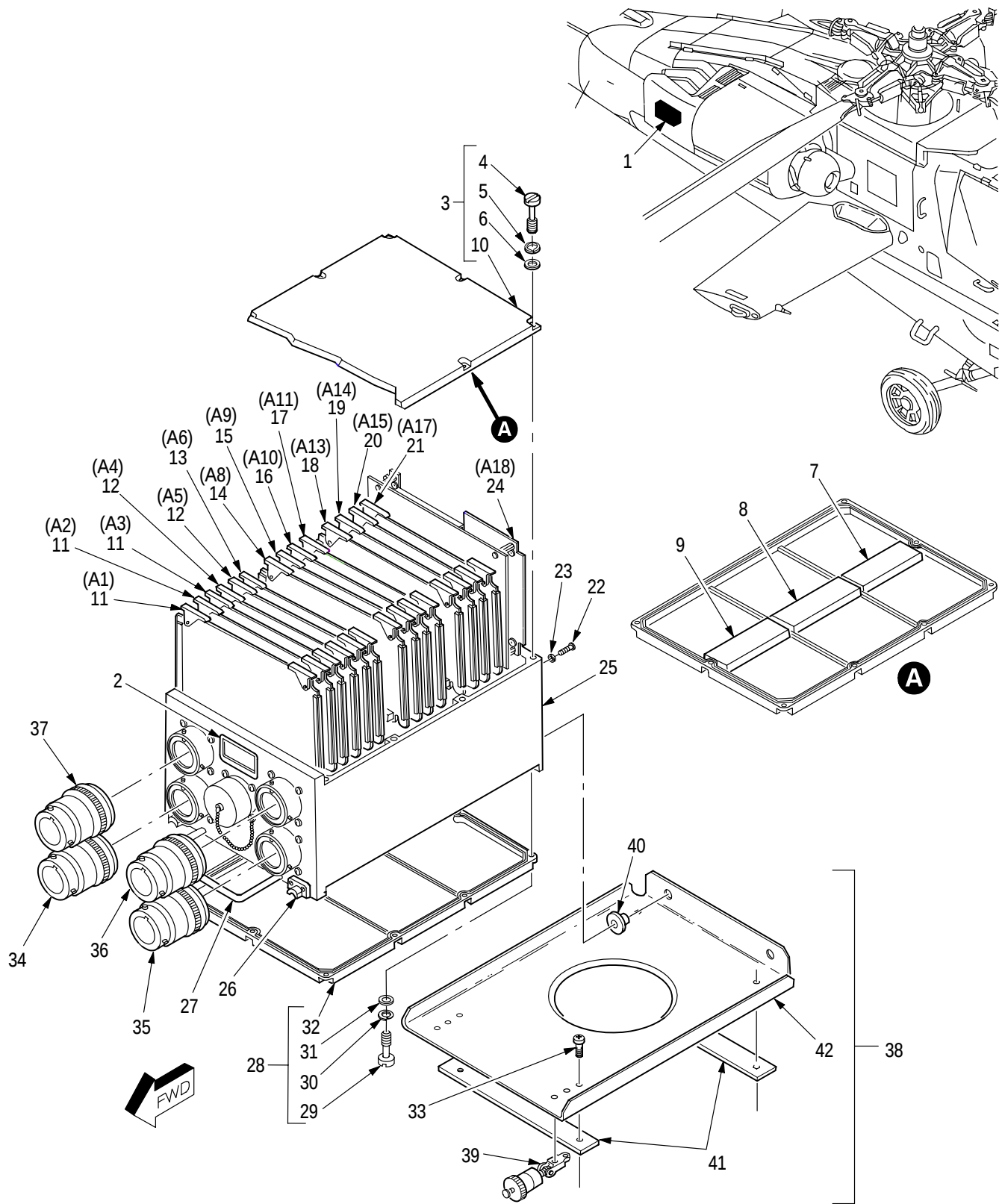
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 636 Brake Assembly, Magnetic<br>7-311518001<br>See Figs. 632 thru 635 for NHA |            |
| 1                  | PAFZZ              | 19200       | 10557426-3         | • Shim .....                                                                                                         | V          |
| 2                  | PAFZZ              | 24681       | MP504-1            | • Spacer, Ring .....                                                                                                 | 1          |
| 3                  | PAFZZ              | 24681       | MP504-2            | • Spacer, Ring .....                                                                                                 | 2          |
| 4                  | PAFZZ              | 24681       | MP481              | • Stop, Limit, Brake .....                                                                                           | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                      |            |



M09-508B

Figure 637. Group 11 Panel Assembly, Automatic Stabilization Equipment  
7-311D00015

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 637 Panel Assembly,<br>Automatic Stabilization Equipment<br>7-311D00015<br>See Fig. 370 for NHA |            |
| 1                  | PAFZZ              | 80205       | NAS601-8P          | • Screw, Machine .....                                                                                                                 | 3          |
| 2                  | PAFZZ              | 8V613       | 7-311D00013        | • Light, Indicator .....                                                                                                               | 1          |
| 3                  | PAFZZ              | 80205       | MS21042L04         | • Nut, Self-Locking, Ex .....                                                                                                          | 2          |
| 4                  | PAFZZ              | 96906       | MS35338-40         | • Washer, Lock .....                                                                                                                   | 2          |
| 5                  | PAFZZ              | 88044       | AN960JD4L          | • Washer, Flat .....                                                                                                                   | 2          |
| 6                  | PAFZZ              | 80205       | NAS600-11P         | • Screw, Machine .....                                                                                                                 | 2          |
| 7                  | PAFZZ              | 8V613       | 7-311B24611-003    | • Wiring Harness .....                                                                                                                 | 1          |
| 8                  | PAFZZ              | 96906       | MS24693S25         | • Screw, Machine .....                                                                                                                 | 6          |
| 9                  | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock .....                                                                                                                   | 3          |
| 10                 | PAFZZ              | 80205       | NAS1786-06-52      | • Post, Electrical-Mec .....                                                                                                           | 3          |
| 11                 | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex .....                                                                                                          | 1          |
| 12                 | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat .....                                                                                                                   | 3          |
| 13                 | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon .....                                                                                                            | 1          |
| 14                 | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine .....                                                                                                                 | 1          |
| 15                 | PAFZA              | 96906       | MS90335-3          | • Connector, Receptacl .....                                                                                                           | 1          |
| 16                 | PAFFF              | 8V613       | 7-311D00027        | • Circuit Card Assemb .....                                                                                                            | 1          |
| 17                 | PAFZZ              | 96906       | MS21353-341        | • Switch, Toggle .....                                                                                                                 | 1          |
| 18                 | PAFZZ              | 81349       | M5594-1-3          | • Switch, Toggle .....                                                                                                                 | 5          |
| 19                 | XAFZZ              | 8V613       | 7-311D00014        | • Support, Panel .....                                                                                                                 | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                        |            |

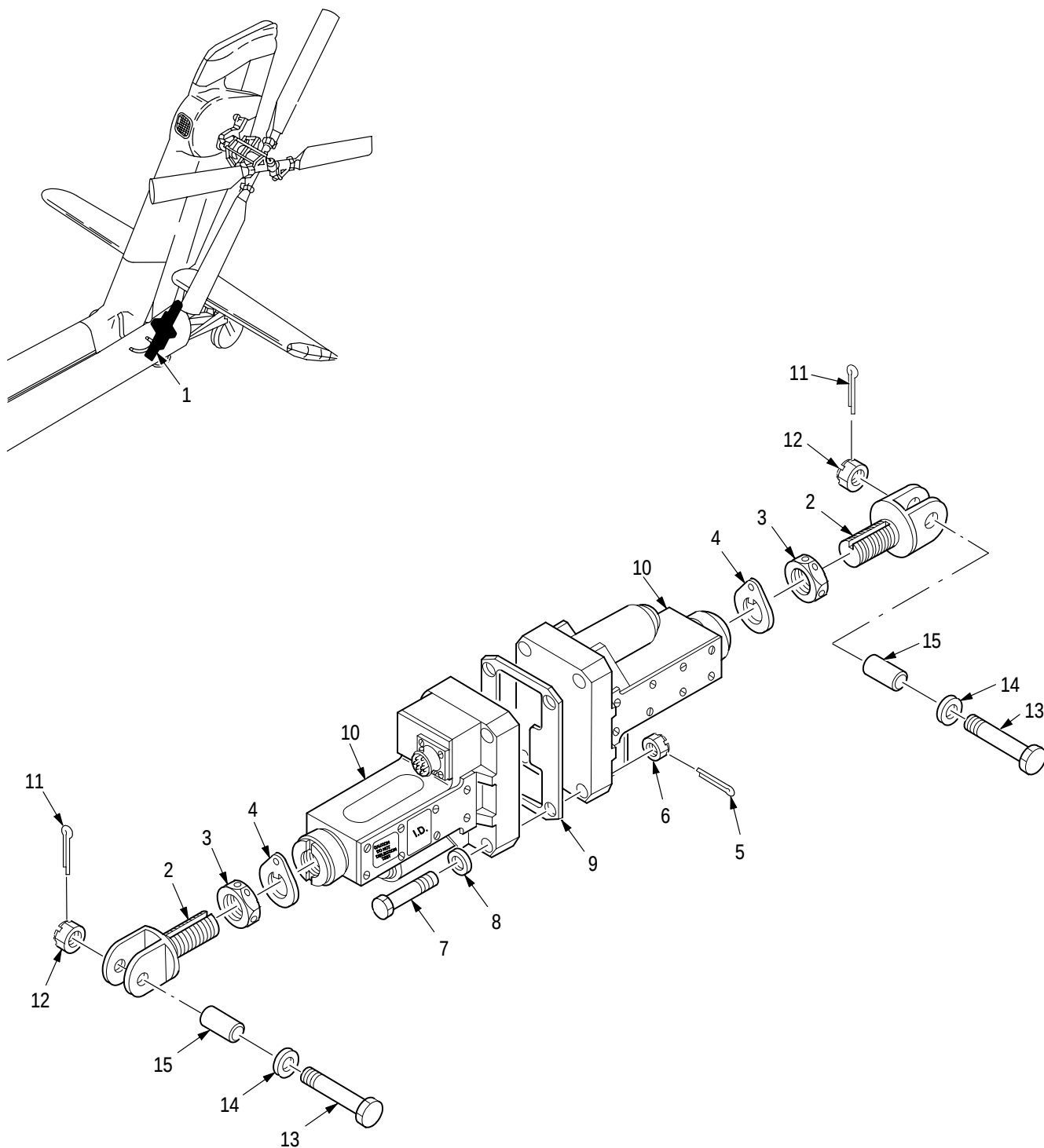


M09-752D

Figure 638. Group 11 Computer, Dase

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)               | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 638 Computer, Dase |            |
| 1                  | PAODD              | 8V613       | 7-211D00005-23     | • Computer, Stabilizat .....                              | 1          |
| 2                  | XDFZZ              | 07187       | 4021482-14         | •• Plate, Ident .....                                     | 1          |
| 3                  | PAFFF              | 07187       | 4042511-954        | •• Cover Assembly .....                                   | 1          |
| 4                  | PAFZZ              | 07187       | 2500091-102        | ••• Screw, Externally Re .....                            | 10         |
| 5                  | PAFZZ              | 96906       | MS35338-136        | ••• Washer, Lock .....                                    | 10         |
| 6                  | PAFZZ              | 80205       | NAS620C6L          | ••• Washer, Flat .....                                    | 10         |
| 7                  | MFFZZ              | 07187       | 4044650-3          | ••• Seal, Rubber Special .....                            | 1          |
| 8                  | MFFZZ              | 07187       | 4044650-4          | ••• Seal, Rubber Special .....                            | 1          |
| 9                  | MFFZZ              | 07187       | 4044650-5          | ••• Seal, Rubber Special .....                            | 1          |
| 10                 | XDFZZ              | 07187       | 4044742            | ••• Cover .....                                           | 1          |
| 11                 | PAFZZ              | 07187       | 4041103-951        | •• Circuit Card Assemb .....                              | 3          |
| 12                 | PAFZZ              | 07187       | 4041101-951        | •• Circuit Card Assemb .....                              | 2          |
| 13                 | PAFZZ              | 07187       | 4041103-952        | •• Circuit Card Assemb .....                              | 1          |
| 14                 | PAFDD              | 07187       | 4041105-951        | •• Circuit Card Assemb .....                              | 1          |
| 15                 | PAFZZ              | 07187       | 4041104-951        | •• Circuit Card Assemb .....                              | 1          |
| 16                 | PAFZZ              | 07187       | 8000803-952        | •• Circuit Card Assemb .....                              | 1          |
| 17                 | PAFZZ              | 07187       | 4041102-951        | •• Circuit Card Assemb .....                              | 1          |
| 18                 | PAFZZ              | 07187       | 4032306-951        | •• Circuit Card Assemb .....                              | 1          |
| 19                 | PAFZZ              | 07187       | 4032304-951        | •• Circuit Card Assemb .....                              | 1          |
| 20                 | PAFZZ              | 07187       | 8501830-957        | •• Circuit Card Assemb .....                              | 1          |
| 21                 | PAFZZ              | 07187       | 4032312-951        | •• Circuit Card Assemb .....                              | 1          |
| 22                 | PAFZZ              | 96906       | MS51957-28         | •• Screw, Machine .....                                   | 5          |
| 23                 | PAFZZ              | 80205       | NAS1515H06         | •• Washer, Flat .....                                     | 5          |
| 24                 | PBFDD              | 07187       | 4032995-952        | •• Power Supply .....                                     | 1          |
| 25                 | XDFDD              | 07187       | 4041344-952        | •• Housing Assy, Automa .....                             | 1          |
| 26                 | PAFZZ              | 80205       | NAS622CE2          | ••• Hook, Support .....                                   | 2          |
| 27                 | PAFZZ              | 07187       | 4001662-2          | ••• Handle, Bow .....                                     | 1          |
| 28                 | XDFFF              | 07187       | 4042511-951        | ••• Cover Assembly .....                                  | 1          |
| 29                 | PAFZZ              | 07187       | 2500091-102        | •••• Screw, Externally Re .....                           | 10         |
| 30                 | PAFZZ              | 96906       | MS35338-136        | •••• Washer, Lock .....                                   | 10         |
| 31                 | PAFZZ              | 80205       | NAS620C6L          | •••• Washer, Flat .....                                   | 10         |
| 32                 | XAFZZ              | 07187       | 4044742            | •••• Cover .....                                          | 1          |
| 33                 | PAOZZ              | 80205       | NAS517-3-2         | Screw, Machine .....                                      | 4          |
| 34                 | PAOZZ              | 8V613       | 7-311D00046-1      | Filter, Radio Freque (Usbl Eff 88-0200 and Subs) .....    | 1          |
| 35                 | PAOZZ              | 8V613       | 7-311D00047-1      | Filter, Radio Freque (Usbl Eff 88-0200 and Subs) .....    | 1          |
| 36                 | PAOZZ              | 8V613       | 7-311D00048-1      | Filter, Radio Freque (Usbl Eff 88-0200 and Subs) .....    | 1          |
| 37                 | PAOZZ              | 8V613       | 7-311D00049-1      | Filter, Radio Freque (Usbl Eff 88-0200 and Subs) .....    | 1          |
| 38                 | PAOOO              | 8V613       | 7-211F00020-11     | Bracket, Mounting .....                                   | 1          |
| 39                 | PAOZZ              | 02731       | HS4897-101         | •• Fastener, Positive L .....                             | 2          |
| 40                 | XDOZZ              | 02731       | HS606S4-5          | •• Bushing, Sleeve .....                                  | 2          |
| 41                 | XAOZZ              | 8V613       | 7-211F00020-7      | •• Doubler, Tray Assy .....                               | 4          |
| 42                 | XAOZZ              | 8V613       | 7-211F00020-3      | •• Tray .....                                             | 1          |
| END OF FIGURE      |                    |             |                    |                                                           |            |

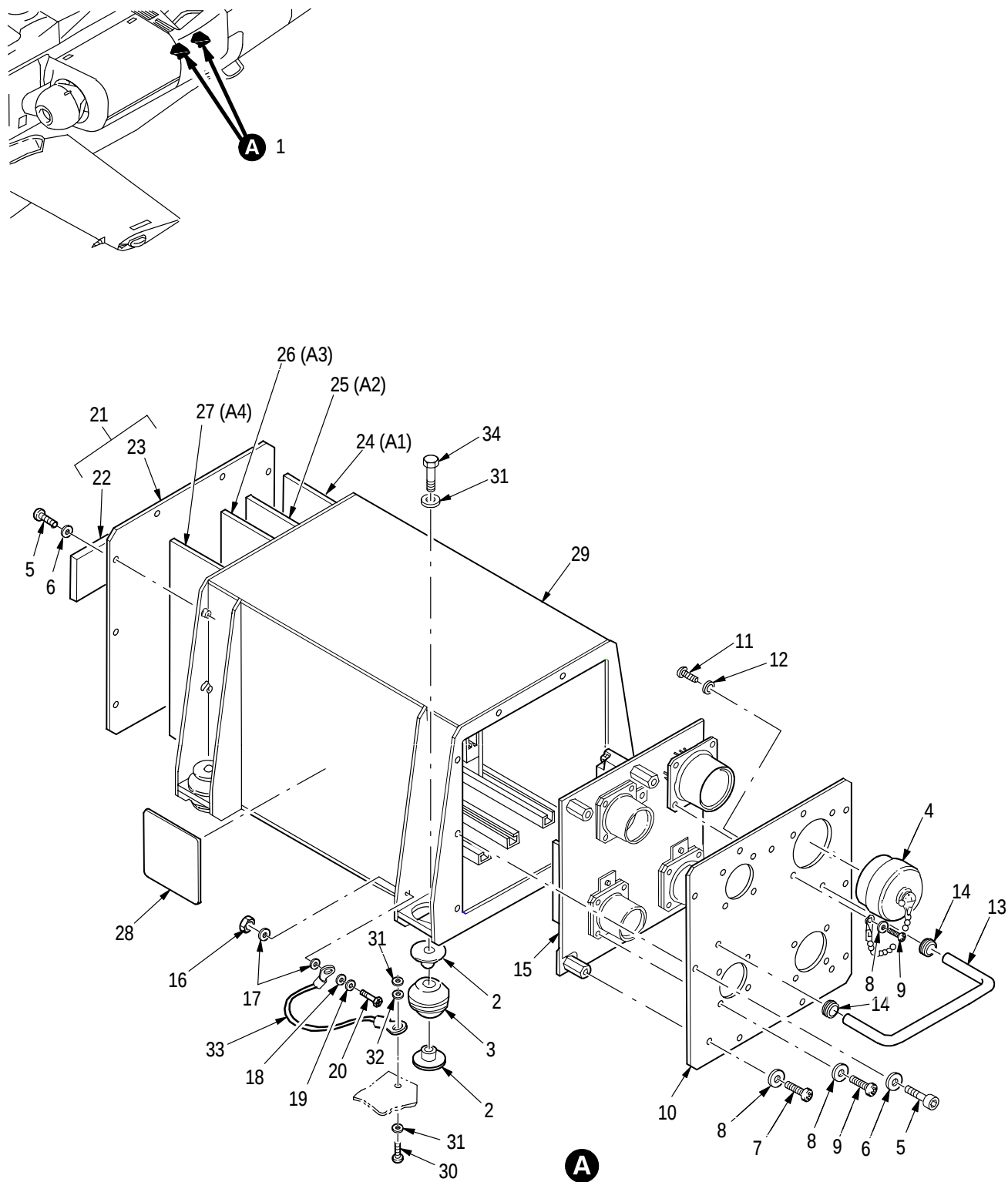




M09-483C

Figure 639. Group 11 Actuator Assembly, Stabilator

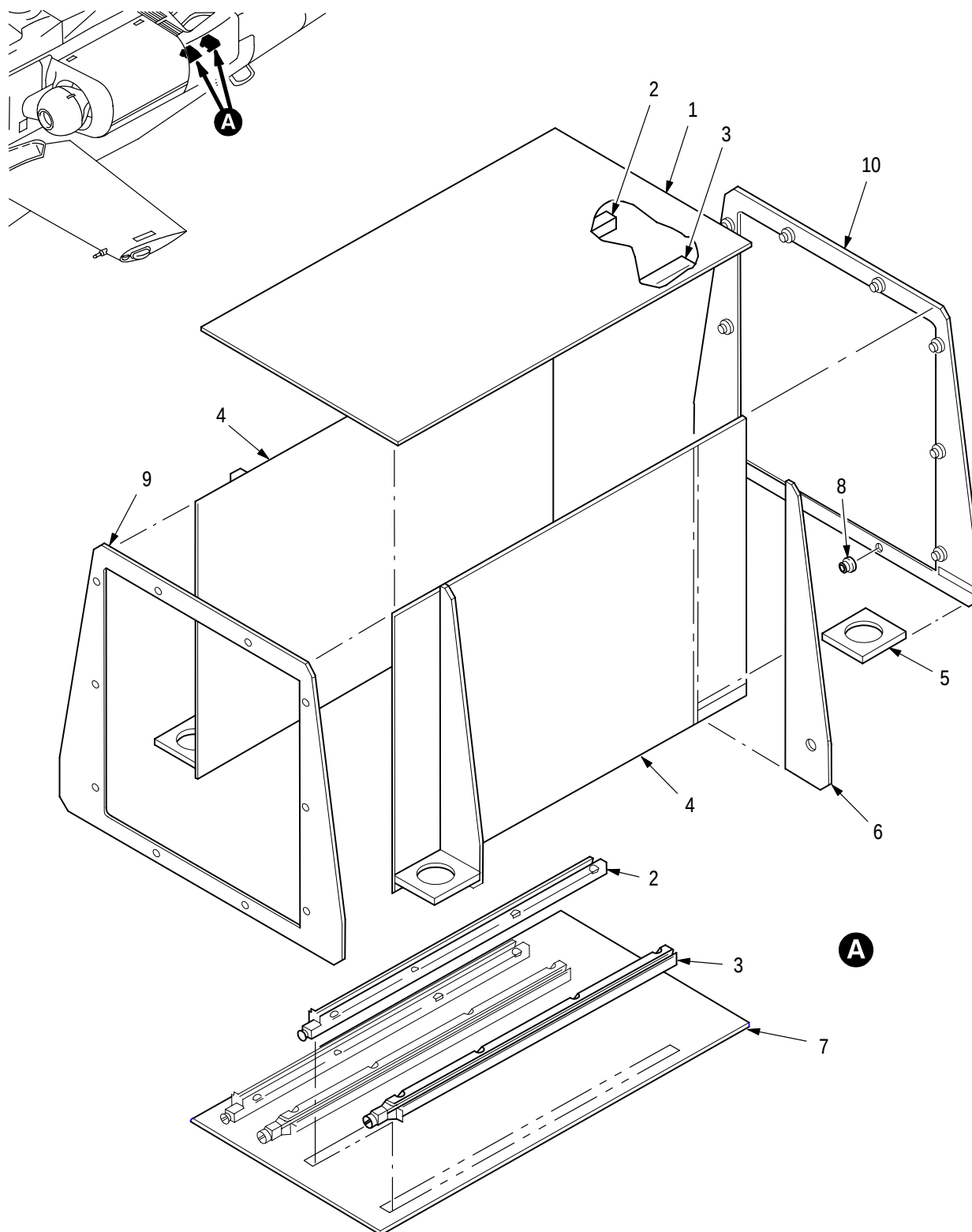
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 639 Actuator Assembly, Stabilator |            |
| 1                  | AOODD              | 8V613       | 7-311D10022-9      | • Actuator Assembly .....                                                | 1          |
| 2                  | PAOZZ              | 8V613       | 7-311D10023-3      | • • Clevis, Rod End .....                                                | 2          |
| 3                  | PAOZZ              | 80205       | NAS509-12          | • • Nut, Plain, Hexagon .....                                            | 2          |
| 4                  | PAOZZ              | 80205       | NAS513-12          | • • Washer, Key .....                                                    | 2          |
| 5                  | PAOZZ              | 96906       | MS24665-153        | • • Pin, Cotter .....                                                    | 4          |
| 6                  | PAOZZ              | 88044       | AN310C5            | • • Nut, Plain, Castellat .....                                          | 4          |
| 7                  | PAOZZ              | 80205       | NAS1305-48D        | • • Bolt, Shear .....                                                    | 4          |
| 8                  | PAOZZ              | 88044       | AN960-516L         | • • Washer, Flat .....                                                   | 4          |
| 9                  | PAOZZ              | 8V613       | 7-311D10028-1      | • • Plate, Mounting .....                                                | 1          |
| 10                 | PAODD              | 8V613       | 7-311D10018-3      | • • Actuator, Electro-Me .....                                           | 2          |
| 11                 | PAOZZ              | 96906       | MS24665-300        | • • Pin, Cotter .....                                                    | 2          |
| 12                 | PAOZZ              | 88044       | AN310-6            | • • Nut, Plain, Castellat .....                                          | 2          |
| 13                 | PAOZZ              | 80205       | NAS6606D18         | • • Bolt, Shear .....                                                    | 2          |
| 14                 | PAOZZ              | 96906       | MS20002C6          | • • Washer, Recessed .....                                               | 2          |
| 15                 | PAOZZ              | 02731       | HS5542-06002       | • • Bushing, Sleeve .....                                                | 2          |
| END OF FIGURE      |                    |             |                    |                                                                          |            |



M09-973F

Figure 640. Group 11 Controller, Stabilator

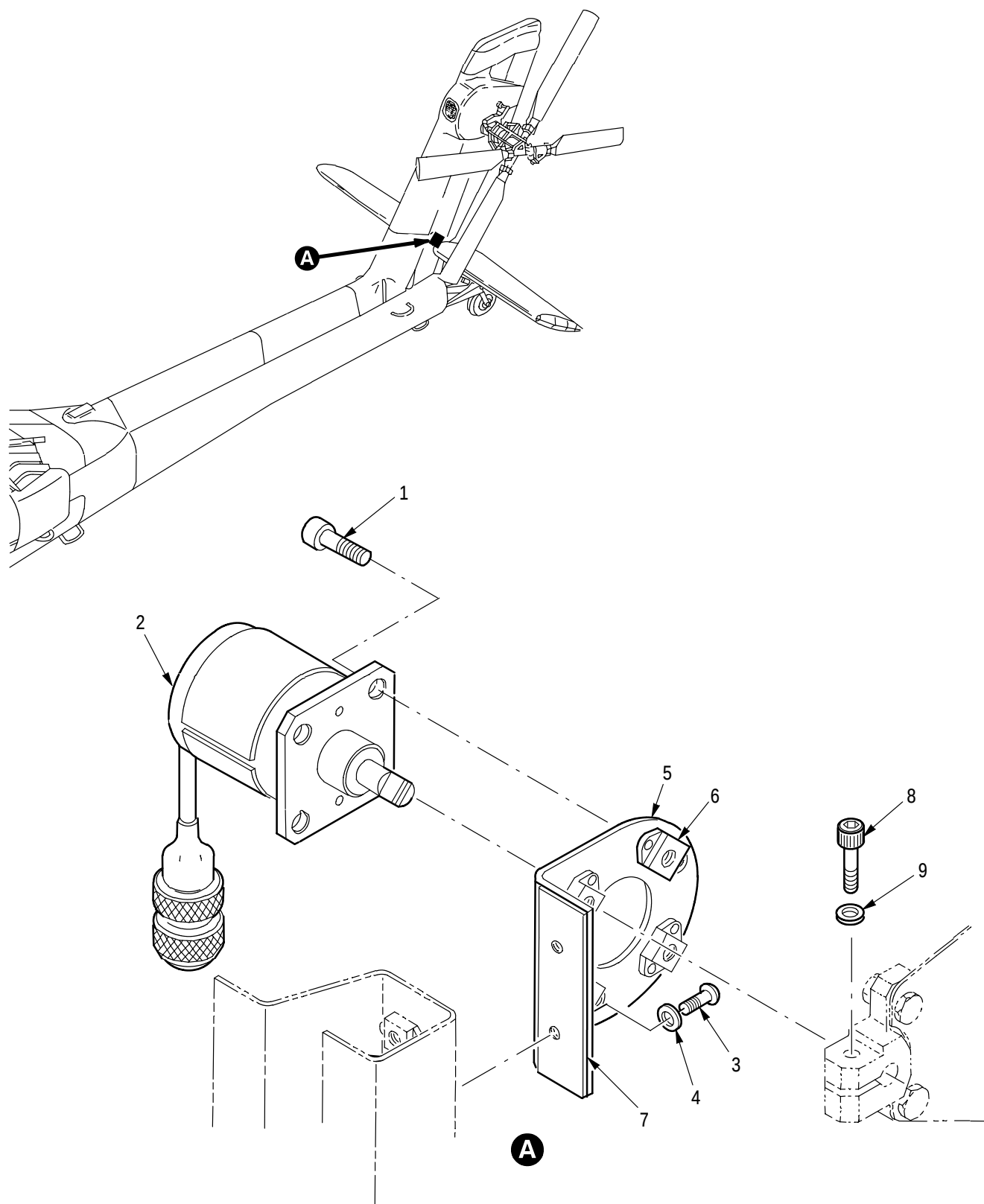
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 640 Controller, Stabilator |            |
| 1                  | PAODD              | 8V613       | 7-211D10001-11     | • Controller, Stabilat .....                                      | 1          |
| 2                  | PAFZZ              | 73030       | 775449-1           | •• Insulator, Bushing .....                                       | 8          |
| 3                  | PAFZZ              | 73030       | 776250-3           | •• Mount, Resilient .....                                         | 4          |
| 4                  | PAFZZ              | 96906       | MS27502B21C        | •• Cover, Electrical Co .....                                     | 1          |
| 5                  | PAFZZ              | 96906       | MS16995-10         | •• Screw, Cap, Socket He .....                                    | 20         |
| 6                  | PAFZZ              | 96906       | MS15795-803        | •• Washer, Flat .....                                             | 20         |
| 7                  | PAFZZ              | 96906       | MS51957-13         | •• Screw, Machine .....                                           | 4          |
| 8                  | PAFZZ              | 88044       | AN960C4            | •• Washer, Flat .....                                             | 20         |
| 9                  | PAFZZ              | 96906       | MS51957-17         | •• Screw, Machine .....                                           | 16         |
| 10                 | PAFZZ              | 73030       | 775447-2           | •• Plate, Retaining, Ele .....                                    | 1          |
| 11                 | PAFZZ              | 96906       | MS51957-30         | •• Screw, Machine .....                                           | 2          |
| 12                 | XDFZZ              | 04643       | THWA0612           | •• Washer, Flat .....                                             | 2          |
| 13                 | PAFZZ              | 73030       | 580114-8           | •• Handle .....                                                   | 1          |
| 14                 | PAFZZ              | 73030       | 768280-1           | •• Ferrule, Handle .....                                          | 2          |
| 15                 | PAFZZ              | 73030       | 775440-2           | •• Circuit Card Assemb .....                                      | 1          |
| 16                 | PAFZZ              | 96906       | MS21083C3          | •• Nut, Self-Locking, He .....                                    | 1          |
| 17                 | PAFZZ              | 88044       | AN960JD10          | •• Washer, Flat .....                                             | 2          |
| 18                 | PAFZZ              | 88044       | AN960C10           | •• Washer, Flat .....                                             | 1          |
| 19                 | PAFZZ              | 96906       | MS35338-138        | •• Washer, Lock .....                                             | 1          |
| 20                 | PAFZZ              | 88044       | AN3DD4A            | •• Bolt, Machine .....                                            | 1          |
| 21                 | PAFFF              | 73030       | 775446-2           | •• Cover, Control .....                                           | 1          |
| 22                 | PAFZZ              | 73030       | 545442-111         | ••• Bumper, Rubber .....                                          | 2          |
| 23                 | XAFZZ              | 73030       | 775446-11          | ••• Cover .....                                                   | 1          |
| 24                 | PAFDD              | 73030       | 775432-2           | •• Circuit Card Assemb .....                                      | 1          |
| 25                 | PAFDD              | 73030       | 775434-2           | •• Circuit Card Assemb .....                                      | 1          |
| 26                 | PAFDD              | 73030       | 775436-2           | •• Circuit Card Assemb .....                                      | 1          |
| 27                 | PAFDD              | 73030       | 775438-2           | •• Circuit Card Assemb .....                                      | 1          |
| 28                 | XDFZZ              | 73030       | 69253B3            | •• Plate, Ident .....                                             | 1          |
| 29                 | PAFFF              | 73030       | 775445-2           | •• Chassis, Electrical (See Fig. 641 for Breakdown) .....         | 1          |
| 30                 | PAOZZ              | 80205       | NAS1096-3-8        | •• Screw, Machine .....                                           | 2          |
| 31                 | PAOZZ              | 88044       | AN960JD10L         | •• Washer, Flat .....                                             | 12         |
| 32                 | PAOZZ              | 96906       | MS35340-43         | •• Washer, Lock .....                                             | 2          |
| 33                 | PAFZZ              | 81349       | M83413/8-A08BB     | •• Lead, Electrical .....                                         | 1          |
| 34                 | PAOZZ              | 80205       | NAS1303-11H        | •• Bolt, Shear .....                                              | 8          |
| END OF FIGURE      |                    |             |                    |                                                                   |            |



M09-974

Figure 641. Group 11 Chassis, Electrical  
775445-2 (73030)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 641 Chassis, Electrical<br>775445-2 (73030)<br>See Fig. 640 for NHA |            |
| 1                  | XAFZZ              | 73030       | 775445-2-10        | • Plate, Top .....                                                                                         | 1          |
| 2                  | PAFZZ              | 73030       | 774440-15          | • Holder, Electrical C .....                                                                               | 4          |
| 3                  | PAFZZ              | 73030       | 774440-16          | • Holder, Electrical C .....                                                                               | 4          |
| 4                  | XAFZZ              | 73030       | 775445-2-30        | • Panel, Side .....                                                                                        | 2          |
| 5                  | XAFZZ              | 73030       | 775445-2-60        | • Pad .....                                                                                                | 4          |
| 6                  | XAFZZ              | 73030       | 775445-2-70        | • Gusset .....                                                                                             | 4          |
| 7                  | XAFZZ              | 73030       | 775445-2-20        | • Plate, Bottom .....                                                                                      | 1          |
| 8                  | XAFZZ              | 73030       | 729328-5           | • Nut, Self Clinching .....                                                                                | 20         |
| 9                  | XAFZZ              | 73030       | 775445-2-40        | • Flange .....                                                                                             | 1          |
| 10                 | XAFZZ              | 73030       | 775445-2-50        | • Flange .....                                                                                             | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                            |            |

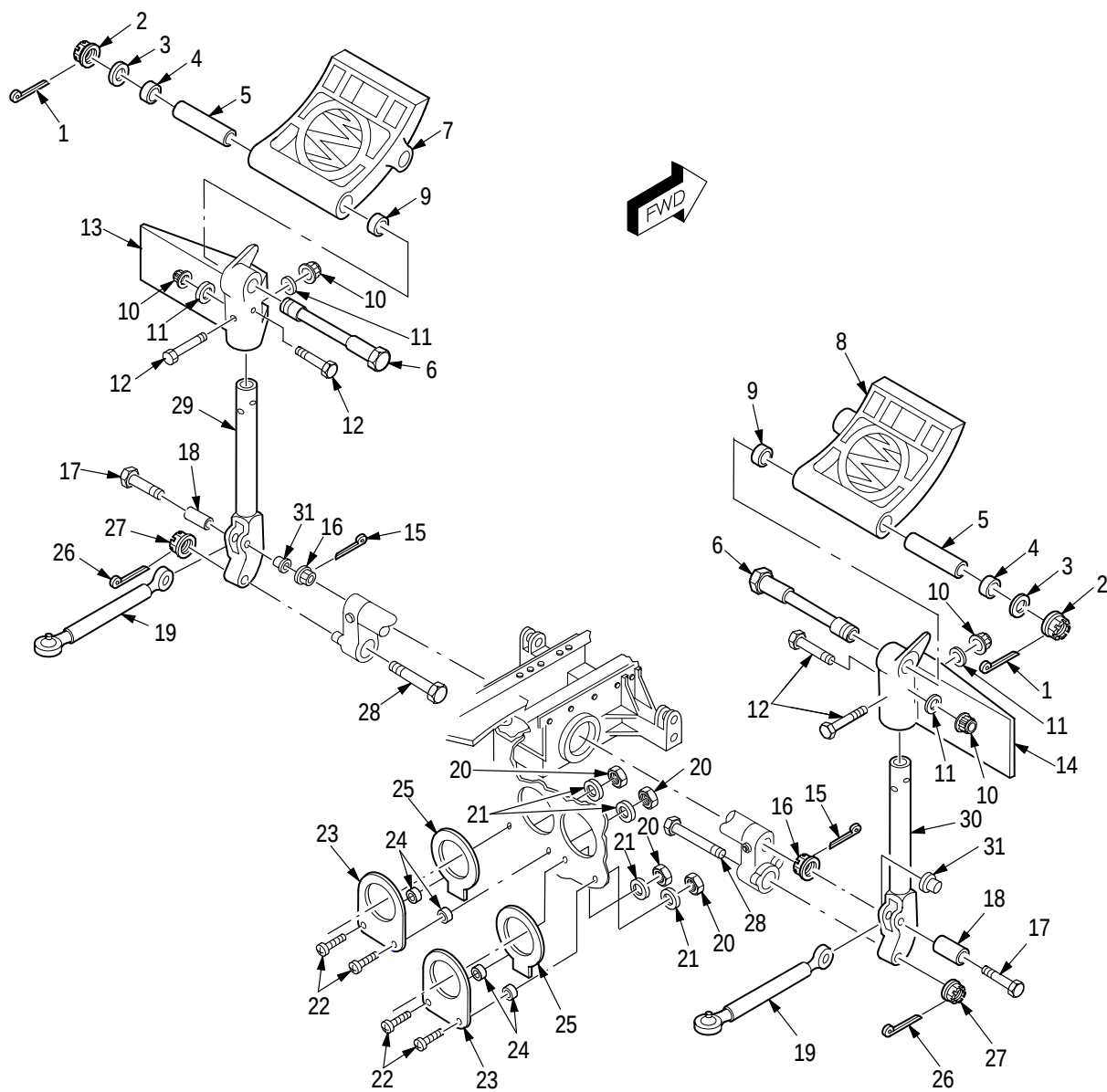
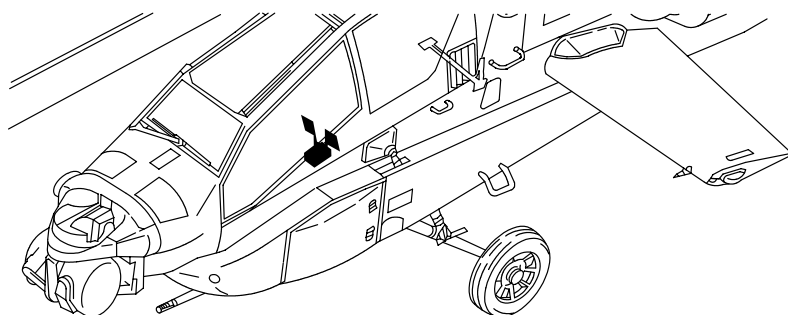


M09-484E

Figure 642. Group 11 Transducer, Stabilator Position

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 642 Transducer, Stabilator Position |            |
| 1                  | PAOZZ              | 80205       | MS16996-10         | • Screw, Cap, Socket He .....                                              | 4          |
| 2                  | PAOZZ              | 8V613       | 7-211D10003-11     | • Transducer, Motional .....                                               | 1          |
| 3                  | PAOZZ              | 80205       | NAS1096-3-8        | • Screw, Machine .....                                                     | 2          |
| 4                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                       | 2          |
| 5                  | PAOOO              | 8V613       | 7-211D10017        | • Bracket Assy, Senso .....                                                | 1          |
| 6                  | PAOZZ              | 80205       | MS21075L3E         | • • Nut, Self-Locking, Pl .....                                            | 4          |
| 7                  | PAOZZ              | 8V613       | 7-211D10017-5      | • • Shim .....                                                             | 1          |
| 8                  | PAOZZ              | 02731       | HS5482-3-6         | • Bolt, Shear .....                                                        | 1          |
| 9                  | PAOZZ              | 02731       | HS4244C3           | • Washer, Flat .....                                                       | 1          |
| END OF FIGURE      |                    |             |                    |                                                                            |            |

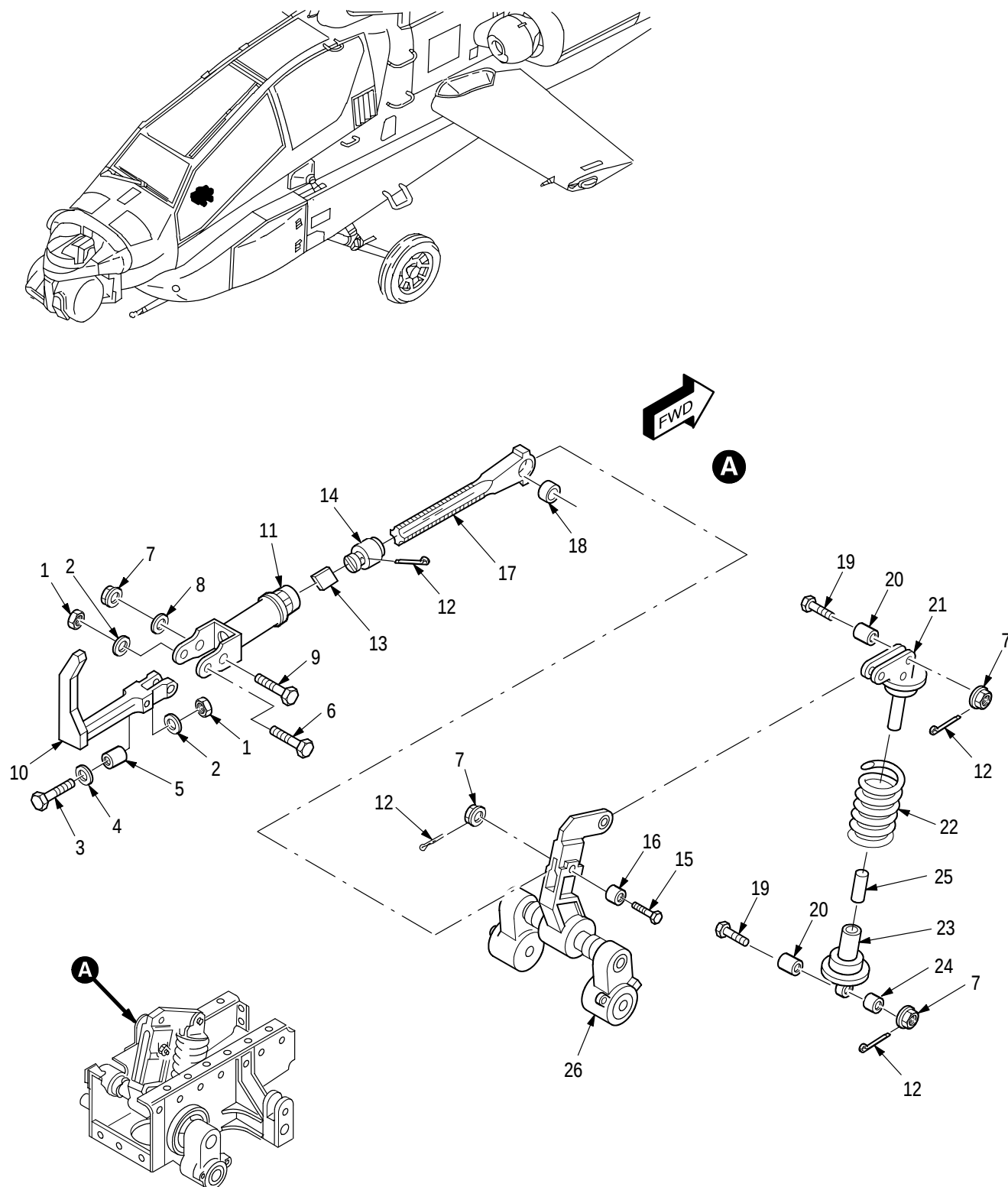




M09-735B

Figure 643. Group 11 Pedal Installation, Pilot Station (Part 1)  
7-311521000

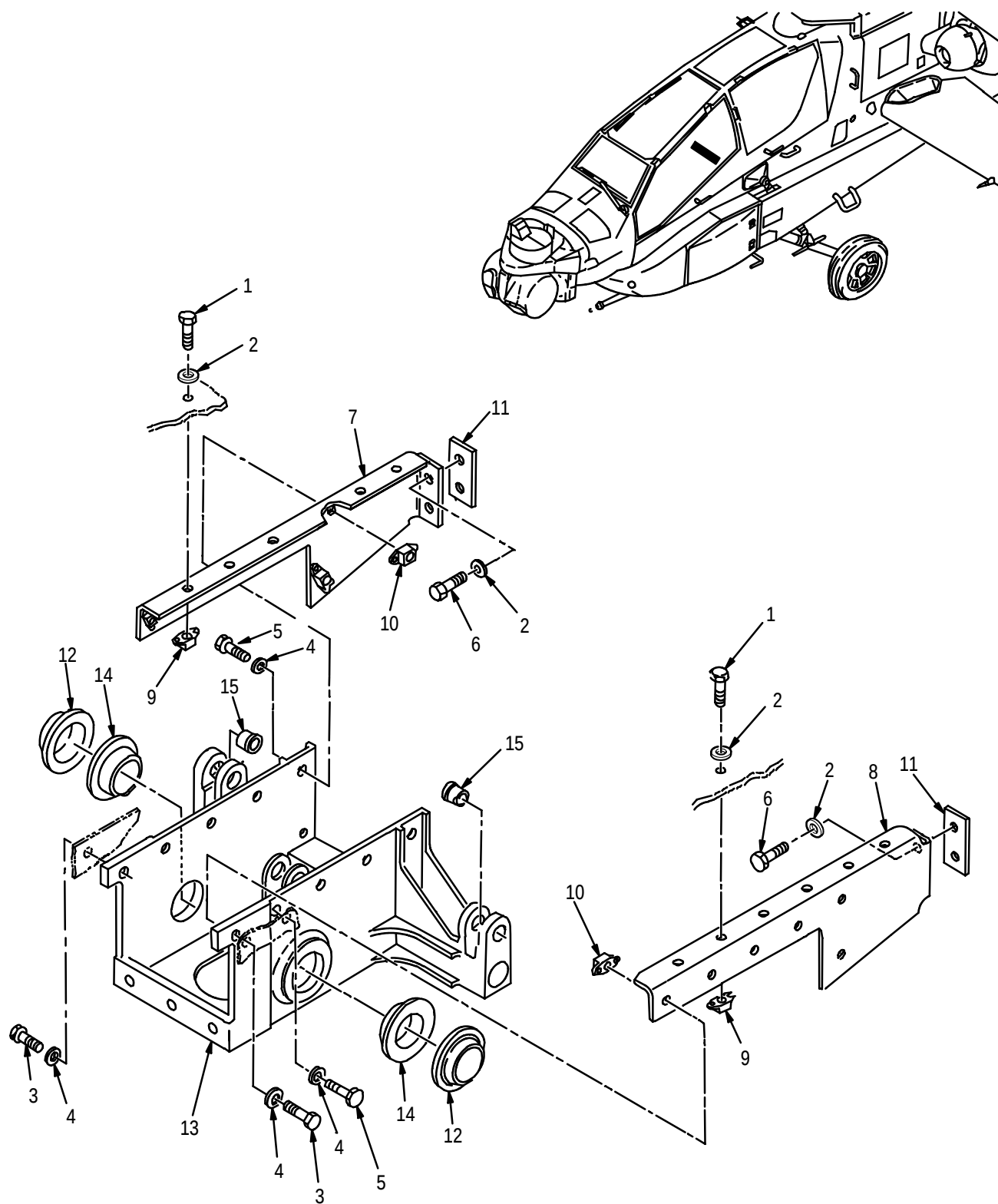
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 643 Pedal Installation,<br>Pilot Station (Part 1)<br>7-311521000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-374        | • Pin, Cotter .....                                                                                     | 2          |
| 2                  | PAOZZ              | 8V613       | 7-115121036        | • Nut, Plain, Castellat .....                                                                           | 2          |
| 3                  | PAOZZ              | 88044       | AN960-1216         | • Washer, Flat .....                                                                                    | 2          |
| 4                  | PAOZZ              | 96906       | MS27646-39         | • Bearing, Ball, Airfra .....                                                                           | 2          |
| 5                  | PAOZZ              | 8V613       | 7-115121030        | • Spacer, Sleeve .....                                                                                  | 2          |
| 6                  | PAOZZ              | 8V613       | 7-115121033        | • Bolt, Rotor Ccctrl .....                                                                              | 2          |
| 7                  | PAOFF              | 8V613       | 7-311521002-33     | • Pedal, Control LH .....                                                                               | 1          |
| 8                  | PAOFF              | 8V613       | 7-311521002-32     | • Pedal, Control RH .....                                                                               | 1          |
| 9                  | PAFZZ              | 96906       | MS27646-39         | • • Bearing, Ball, Airfra .....                                                                         | 1          |
| 10                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....                                                                           | 4          |
| 11                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....                                                                                    | 4          |
| 12                 | PAOZZ              | 80205       | NAS6604-22         | • Bolt, Shear .....                                                                                     | 4          |
| 13                 | PAOZZ              | 8V613       | 7-311521004-19     | • Skirt, Pedal .....                                                                                    | 1          |
| 14                 | PAOZZ              | 8V613       | 7-311521004-6      | • Skirt, Pedal .....                                                                                    | 1          |
| 15                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                     | 3          |
| 16                 | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....                                                                           | 2          |
| 17                 | PAOZZ              | 96906       | MS27576-4-21       | • Bolt, Close Toleranc .....                                                                            | 2          |
| 18                 | PAOZZ              | 02731       | HS5542-04071       | • Bushing, Sleeve .....                                                                                 | 2          |
| 19                 | PAOZZ              | 8V613       | 7-211521023-3      | • Rod Assembly, Pedal .....                                                                             | 2          |
| 20                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                                           | 4          |
| 21                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                    | 4          |
| 22                 | PAOZZ              | 80205       | NAS1096-3-10       | • Screw, Machine .....                                                                                  | 4          |
| 23                 | PAOZZ              | 8V613       | 7-311518026        | • Retainer, Grommet, Pe .....                                                                           | 2          |
| 24                 | PAOZZ              | 80205       | NAS43DD3-12N       | • Spacer, Sleeve .....                                                                                  | 4          |
| 25                 | PAOZZ              | 8V613       | 7-311518025        | • Grommet, Metallic .....                                                                               | 2          |
| 26                 | PAOZZ              | 96906       | MS24665-302        | • Pin, Cotter .....                                                                                     | 2          |
| 27                 | PAOZZ              | 96906       | MS21224-8          | • Nut, Self-Locking, As .....                                                                           | 2          |
| 28                 | PAOZZ              | 96906       | MS27576-8-43       | • Bolt, Close Toleranc .....                                                                            | 2          |
| 29                 | PAOFF              | 8V613       | 7-115121005-5      | • Support Assy, Pivot LH .....                                                                          | 1          |
| 30                 | PAOFF              | 8V613       | 7-115121005-6      | • Support Assy, Pivot RH .....                                                                          | 1          |
| 31                 | PAFZZ              | 02731       | HS606S4-16         | • • Bushing, Sleeve .....                                                                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                         |            |



M09-985B

Figure 644. Group 11 Pedal Installation, Pilot Station (Part 2)  
7-311521000

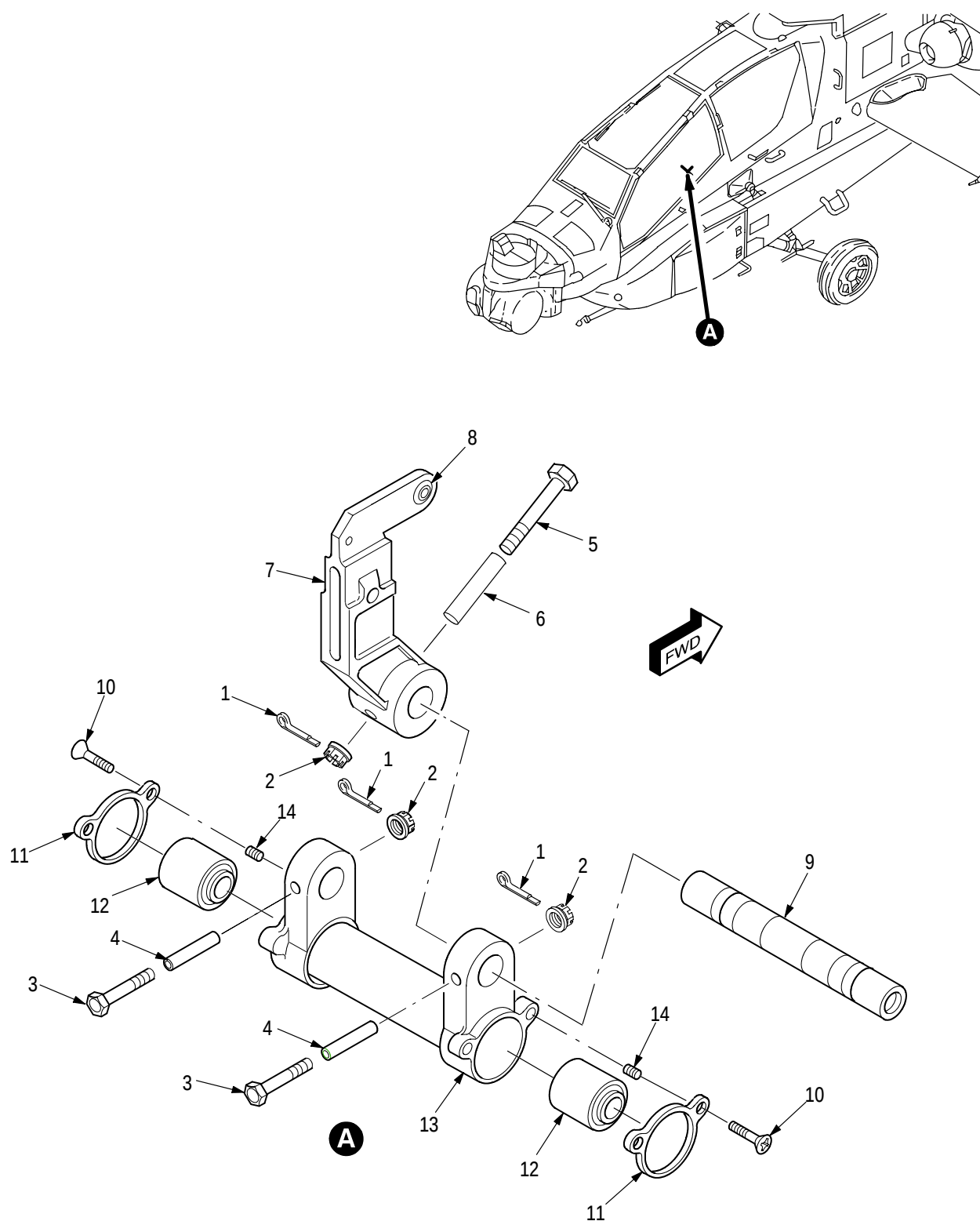
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 644 Pedal Installation,<br>Pilot Station (Part 2)<br>7-311521000 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                                           | 2          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                    | 2          |
| 3                  | PAOZZ              | 80205       | NAS1303-8H         | • Bolt, Shear .....                                                                                     | 1          |
| 4                  | PAOZZ              | 02731       | HS306-323          | • Washer, Flat .....                                                                                    | 1          |
| 5                  | PAOZZ              | 02731       | HS4653-0002        | • Bearing, Ball, Annula .....                                                                           | 1          |
| 6                  | PAOZZ              | 80205       | NAS1303-18         | • Bolt, Shear .....                                                                                     | 1          |
| 7                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....                                                                           | 4          |
| 8                  | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....                                                                                    | 1          |
| 9                  | PAOZZ              | 96906       | MS27576-4-20       | • Bolt, Close Toleranc .....                                                                            | 1          |
| 10                 | PAOZZ              | 8V613       | 7-211521009        | • Handle, Pedal, Pilot .....                                                                            | 1          |
| 11                 | PAOZZ              | 8V613       | 7-211521008        | • Connecting Link, Rig .....                                                                            | 1          |
| 12                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                     | 4          |
| 13                 | PAOZZ              | 8V613       | 7-211521051        | • Key, Safety, Pedal Ad .....                                                                           | 1          |
| 14                 | XDOZZ              | 8V613       | 7-211521050-3      | • Nut, Sleeve .....                                                                                     | 1          |
| 15                 | PAOZZ              | 96906       | MS27576-4-15       | • Bolt, Close Toleranc .....                                                                            | 1          |
| 16                 | PAOZZ              | 02731       | HS5542-04083       | • Bushing, Sleeve .....                                                                                 | 2          |
| 17                 | PAOFF              | 8V613       | 7-211521010        | • Shaft Assy, Pedal Re .....                                                                            | 1          |
| 18                 | PAFZZ              | 81343       | MS14103-4          | • • Bearing, Plain, Self .....                                                                          | 1          |
| 19                 | PAOZZ              | 96906       | MS27576-4-12       | • Bolt, Close Toleranc .....                                                                            | 2          |
| 20                 | PAOZZ              | 02731       | HS5542-04082       | • Bushing, Sleeve .....                                                                                 | 1          |
| 21                 | PAOZZ              | 8V613       | 7-211521043        | • Seat, Upper Return S .....                                                                            | 1          |
| 22                 | PAOZZ              | 8V613       | 7-211521042        | • Spring, Pedal Adjust .....                                                                            | 1          |
| 23                 | PAOFF              | 8V613       | 7-211521044        | • Seat Assy, Pedal Spr .....                                                                            | 1          |
| 24                 | PAFZZ              | 96906       | MS14104-4          | • • Bearing, Plain, Self .....                                                                          | 1          |
| 25                 | PAFZZ              | 80205       | NAS76A6-116P       | • • Bushing, Sleeve .....                                                                               | 1          |
| 26                 | PAOFF              | 8V613       | 7-311521035        | • Crank Assy, Pedal, Ad<br>(Matched Set) (See Fig. 646 for Breakdown) .....                             | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                         |            |



M09-986B

Figure 645. Group 11 Pedal Installation, Pilot Station (Part 3)  
7-311521000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 645 Pedal Installation, Pilot Station (Part 3)<br>7-311521000 |            |
| 1                  | PAOZZ              | 80205       | NAS6603H3          | • Bolt, Shear .....                                                                                  | 12         |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                 | 16         |
| 3                  | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....                                                                                | 2          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....                                                                                 | 12         |
| 5                  | PAOZZ              | 80205       | NAS1304-3          | • Bolt, Shear .....                                                                                  | 10         |
| 6                  | PAOZZ              | 80205       | NAS6603H4          | • Bolt, Shear .....                                                                                  | 4          |
| 7                  | PAOOO              | 8V613       | 7-311521037-1      | • Brace Assy, Control LH .....                                                                       | 1          |
| 8                  | PAOOO              | 8V613       | 7-311521037-2      | • Brace Assy, Control RH .....                                                                       | 1          |
| 9                  | PAOZZ              | 80205       | MS21075L3E         | • • Nut, Self-Locking, PI .....                                                                      | 6          |
| 10                 | PAOZZ              | 96906       | MS21075L4          | • • Nut, Self-Locking, PI .....                                                                      | 5          |
| 11                 | PAOZZ              | 8V613       | 7-115116058-13     | • Spacer, Plate .....                                                                                | 2          |
| 12                 | PAOZZ              | 8V613       | 7-311521031        | • Spacer, Sleeve .....                                                                               | 2          |
| 13                 | PAOFF              | 8V613       | 7-311521018-13     | • Housing Assy, Pedal .....                                                                          | 1          |
| 14                 | PAFZZ              | 81349       | M81934/2-16C008    | • • Bearing, Sleeve .....                                                                            | 2          |
| 15                 | XDFZZ              | 02731       | HS606S4-12         | • • Bushing, Sleeve .....                                                                            | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                      |            |



M09-987B

Figure 646. Group 11 Crank Assembly, Pedal Adjusting (Pilot)  
7-311521035

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                               | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 646 Crank Assembly, Pedal Adjusting (Pilot)<br>7-311521035<br>See Fig. 644 for NHA |            |
| 1                  | PAFZZ              | 80049       | AN380-2-3          | • Pin, Cotter .....                                                                                                       | 3          |
| 2                  | PAFZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                             | 3          |
| 3                  | PAFZZ              | 96906       | MS27576-4-31       | • Bolt, Close Toleranc .....                                                                                              | 2          |
| 4                  | PAOZZ              | 02731       | HS5542-04028       | • Bushing, Sleeve .....                                                                                                   | 2          |
| 5                  | PAFZZ              | 96906       | MS27576-4-29       | • Bolt, Close Toleranc .....                                                                                              | 1          |
| 6                  | PAOZZ              | 02731       | HS5542-04027       | • Bushing, Sleeve .....                                                                                                   | 1          |
| 7                  | XDFFF              | 8V613       | 7-311521006        | • Bell Crank (Part Of Matched Set P/N 7-311521075) .....                                                                  | 1          |
| 8                  | PAFZZ              | 50294       | HT 4               | • • Bearing, Plain, Self- .....                                                                                           | 1          |
| 9                  | XDFZZ              | 8V613       | 7-311521034        | • Shaft, Torque, Pedal<br>(Part Of Matched Set P/N 7-311521035) .....                                                     | 1          |
| 10                 | PAFZZ              | 02731       | HS4727-3-1         | • Screw, Close Toleran .....                                                                                              | 4          |
| 11                 | PAFZZ              | 8V613       | 7-311521038        | • Plate, Retaining, Bea .....                                                                                             | 2          |
| 12                 | PAFZZ              | 96906       | MS27647-8          | • Bearing, Ball, Airfra .....                                                                                             | 2          |
| 13                 | XDFFF              | 8V613       | 7-311521013        | • Support Crank, Pedal<br>(Part Of Matched Set P/N 7-311521035) .....                                                     | 1          |
| 14                 | PAFZZ              | 96906       | MS51830CA201L      | • • Insert, Screw Thread .....                                                                                            | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                                                           |            |



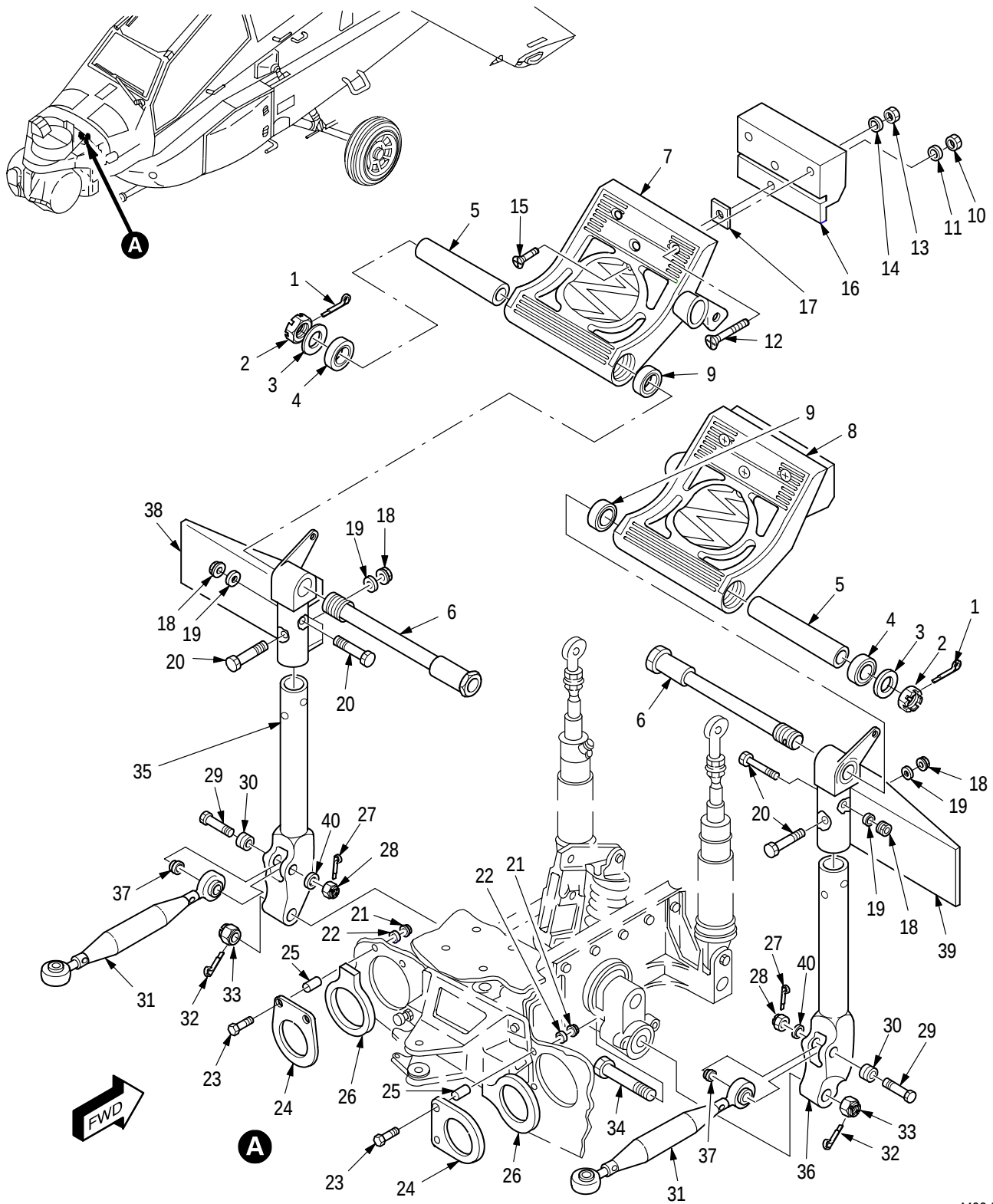
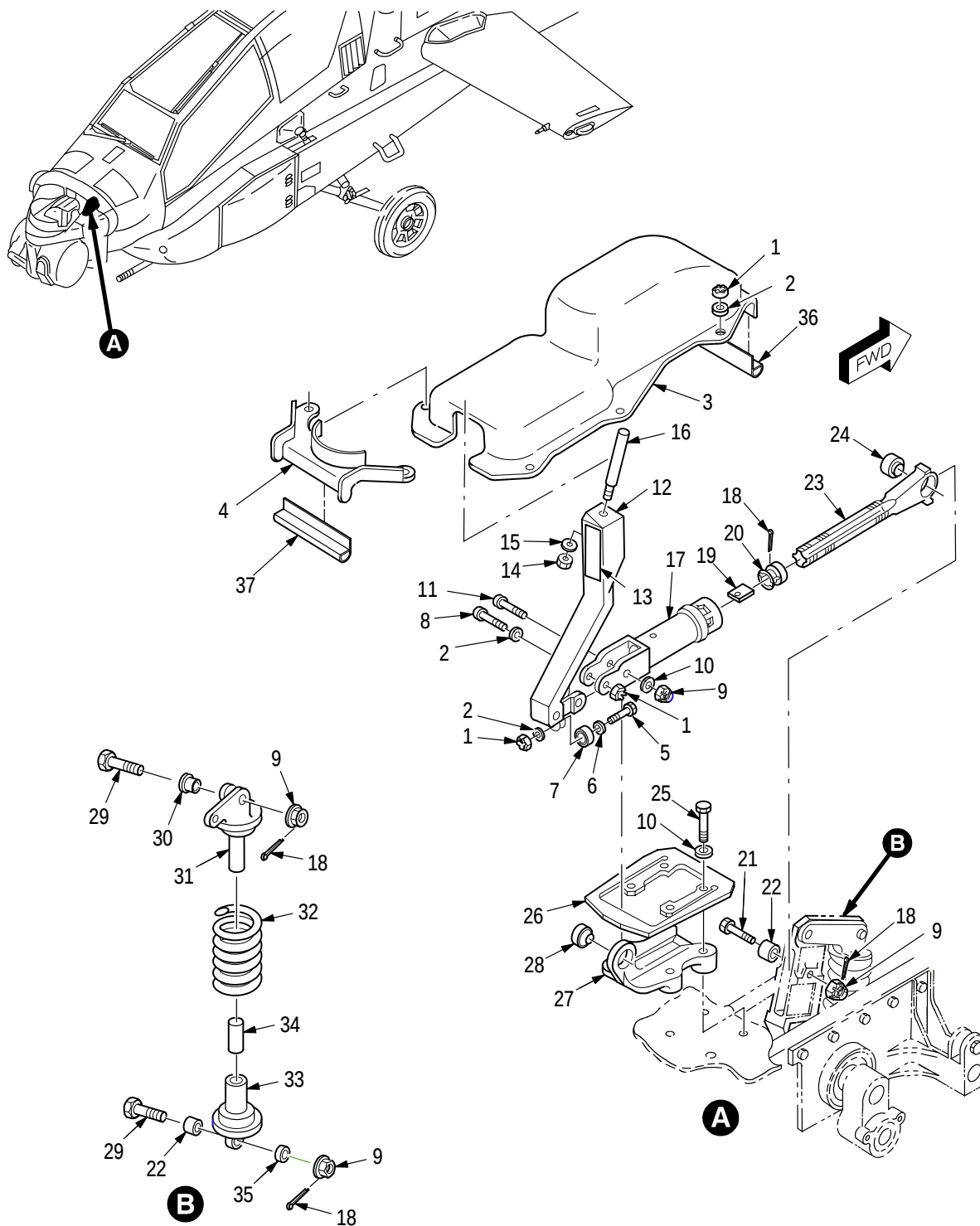


Figure 647. Group 11 Pedal Installation, Copilot/Gunner Station (Part 1)  
7-311522000

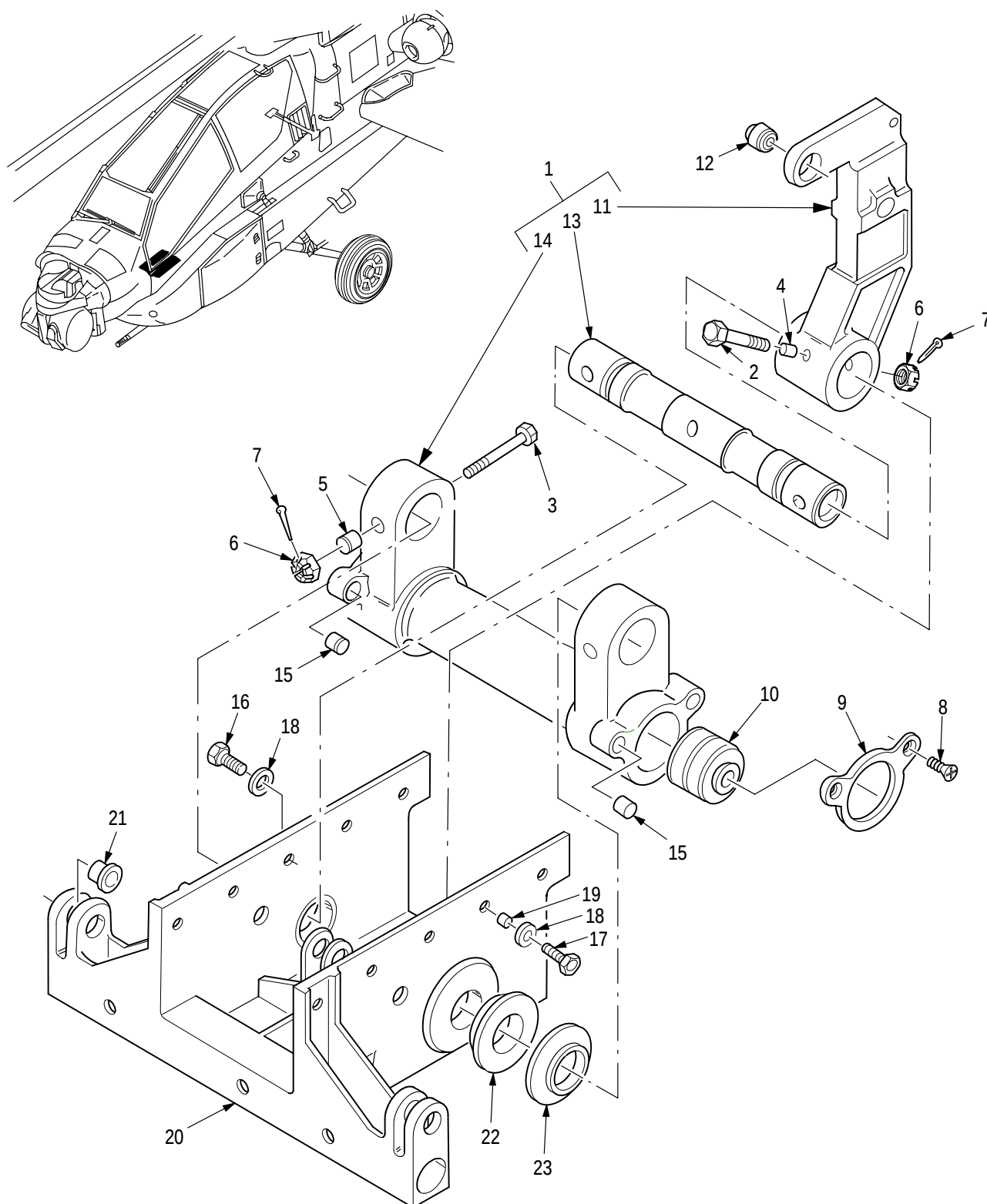
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 647 Pedal Installation,<br>Copilot/Gunner Station (Part 1)<br>7-311522000 |            |
| 1                  | PAOZZ              | 76005       | RS40-7             | • Pin, Cotter .....                                                                                              | 2          |
| 2                  | PAOZZ              | 8V613       | 7-115121036        | • Nut, Plain, Castellat .....                                                                                    | 2          |
| 3                  | PAOZZ              | 88044       | AN960-1216         | • Washer, Flat .....                                                                                             | 2          |
| 4                  | PAOZZ              | 96906       | MS27646-39         | • Bearing, Ball, Airfra .....                                                                                    | 2          |
| 5                  | PAOZZ              | 8V613       | 7-115121030        | • Spacer, Sleeve .....                                                                                           | 2          |
| 6                  | PAOZZ              | 8V613       | 7-115121033        | • Bolt, Rotor Ccntrol .....                                                                                      | 2          |
| 7                  | PAOFF              | 8V613       | 7-311521002-29     | • Pedal, Control .....                                                                                           | 1          |
| 8                  | PAOFF              | 8V613       | 7-311521002-28     | • Pedal, Control .....                                                                                           | 1          |
| 9                  | PAFZZ              | 96906       | MS27646-39         | • • Bearing, Ball, Airfra .....                                                                                  | 1          |
| 10                 | PAFZZ              | 80205       | MS21042-4          | • • Nut, Self-Locking, Ex .....                                                                                  | 3          |
| 11                 | PAFZZ              | 88044       | AN960-416L         | • • Washer, Flat .....                                                                                           | 3          |
| 12                 | PAFZZ              | 80205       | NAS517-4-29        | • • Screw, Machine .....                                                                                         | 3          |
| 13                 | PAFZZ              | 80205       | MS21042-3          | • • Nut, Self-Locking, Ex .....                                                                                  | 1          |
| 14                 | PAFZZ              | 80205       | NAS1149F0332P      | • • Washer, Flat .....                                                                                           | 1          |
| 15                 | PAFZZ              | 80205       | NAS517-3-10        | • • Screw, Machine .....                                                                                         | 1          |
| 16                 | XDFZZ              | 8V613       | 7-311521020        | • • Weight, Counterbalan .....                                                                                   | 1          |
| 17                 | PAFZZ              | 8V613       | 7-311521002-23     | • • Shim .....                                                                                                   | 1          |
| 18                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....                                                                                    | 4          |
| 19                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....                                                                                             | 4          |
| 20                 | PAOZZ              | 80205       | NAS6604-20         | • Bolt, Shear .....                                                                                              | 4          |
| 21                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                                                    | 4          |
| 22                 | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                             | 6          |
| 23                 | PAOZZ              | 80205       | NAS1096-3-10       | • Screw, Machine .....                                                                                           | 4          |
| 24                 | PAOZZ              | 8V613       | 7-311518026        | • Retainer, Grommet, Pe .....                                                                                    | 2          |
| 25                 | PAOZZ              | 80205       | NAS43DD3-12N       | • Spacer, Sleeve .....                                                                                           | 4          |
| 26                 | PAOZZ              | 8V613       | 7-311518025        | • Grommet, Metallic .....                                                                                        | 2          |
| 27                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                              | 7          |
| 28                 | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                    | 6          |
| 29                 | PAOZZ              | 96906       | MS27576-4-22       | • Bolt, Close Toleranc .....                                                                                     | 2          |
| 30                 | PAOZZ              | 02731       | HS5542-04071       | • Bushing, Sleeve .....                                                                                          | 2          |
| 31                 | PAOZZ              | 8V613       | 7-311518024        | • Push-Pull Rod Assy .....                                                                                       | 1          |
| 32                 | PAOZZ              | 96906       | MS24665-302        | • Pin, Cotter .....                                                                                              | 2          |
| 33                 | PAOZZ              | 96906       | MS21224-8          | • Nut, Self-Locking, As .....                                                                                    | 2          |
| 34                 | PAOZZ              | 96906       | MS27576-8-43       | • Bolt, Close Toleranc .....                                                                                     | 2          |
| 35                 | PAOFF              | 8V613       | 7-115121005-5      | • Support Assy, Pivot .....                                                                                      | 1          |
| 36                 | PAOFF              | 8V613       | 7-115121005-6      | • Support Assy, Pivot .....                                                                                      | 1          |
| 37                 | PAFZZ              | 02731       | HS606S4-16         | • • Bushing, Sleeve .....                                                                                        | 1          |
| 38                 | PAOZZ              | 8V613       | 7-311521004-21     | • Skirt, Pedal .....                                                                                             | 1          |
| 39                 | PAOZZ              | 8V613       | 7-311521004-6      | • Skirt, Pedal .....                                                                                             | 1          |
| 40                 | PAFZZ              | 59875       | TX90790-34         | • Washer, Flat .....                                                                                             | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                  |            |



M09-988D

Figure 648. Group 11 Pedal Installation, Copilot/Gunner Station (Part 2)  
7-311522000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 648 Pedal Installation,<br>Copilot/Gunner Station (Part 2)<br>7-311522000 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex . . . . .                                                                                | 8          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat . . . . .                                                                                         | 2          |
| 3                  | PAOZZ              | 8V613       | 7-211521054-9      | • Cover, Pedal Adjuste . . . . .                                                                                 | 1          |
| 4                  | PAOZZ              | 8V613       | 7-211521054-11     | • Shield Adjust . . . . .                                                                                        | 1          |
| 5                  | PAOZZ              | 80205       | NAS1303-8H         | • Bolt, Shear . . . . .                                                                                          | 1          |
| 6                  | PAOZZ              | 02731       | HS306-323          | • Washer, Flat . . . . .                                                                                         | 1          |
| 7                  | PAOZZ              | 02731       | HS4653-0002        | • Bearing, Ball, Annula . . . . .                                                                                | 1          |
| 8                  | PAOZZ              | 80205       | NAS1303-18         | • Bolt, Shear . . . . .                                                                                          | 1          |
| 9                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As . . . . .                                                                                | 4          |
| 10                 | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat . . . . .                                                                                         | 5          |
| 11                 | PAOZZ              | 96906       | MS27576-4-20       | • Bolt, Close Toleranc . . . . .                                                                                 | 1          |
| 12                 | PAOZZ              | 8V613       | 7-211521047-7      | • Handle Assy, Pedal . . . . .                                                                                   | 1          |
| 13                 | XDOZZ              | 8V613       | 7-211521055        | • • Plate . . . . .                                                                                              | 1          |
| 14                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex . . . . .                                                                                | 1          |
| 15                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat . . . . .                                                                                         | 1          |
| 16                 | PAOZZ              | 8V613       | 7-211521048        | • Handle Assy, Extensi . . . . .                                                                                 | 1          |
| 17                 | PAOZZ              | 8V613       | 7-211521008        | • Connecting Link, Rig . . . . .                                                                                 | 1          |
| 18                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter . . . . .                                                                                          | 5          |
| 19                 | PAOZZ              | 8V613       | 7-211521051        | • Key, Safety, Pedal Ad . . . . .                                                                                | 1          |
| 20                 | PAOZZ              | 8V613       | 7-211521050-3      | • Nut, Sleeve . . . . .                                                                                          | 1          |
| 21                 | PAOZZ              | 96906       | MS27576-4-15       | • Bolt, Close Toleranc . . . . .                                                                                 | 1          |
| 22                 | PAOZZ              | 02731       | HS5542-04083       | • Bushing, Sleeve . . . . .                                                                                      | 2          |
| 23                 | PAOFF              | 8V613       | 7-211521010        | • Shaft Assy, Pedal Re . . . . .                                                                                 | 1          |
| 24                 | PAFZZ              | 81343       | MS14103-4          | • • Bearing, Plain, Self . . . . .                                                                               | 1          |
| 25                 | XDOZZ              | 80205       | NAS1304-18         | • Bolt, Shear . . . . .                                                                                          | 4          |
| 26                 | PAOZZ              | 8V613       | 7-211521049-5      | • Sring, Pedal Engagem . . . . .                                                                                 | 1          |
| 27                 | PAOFF              | 8V613       | 7-311521046        | • Support Assy, Pedal . . . . .                                                                                  | 1          |
| 28                 | PAFZZ              | 02731       | HS4608-4           | • • Bearing, Plain, Self . . . . .                                                                               | 1          |
| 29                 | PAOZZ              | 96906       | MS27576-4-12       | • Bolt, Close Toleranc . . . . .                                                                                 | 2          |
| 30                 | PAOZZ              | 02731       | HS5542-04082       | • Bushing, Sleeve . . . . .                                                                                      | 1          |
| 31                 | PAOZZ              | 8V613       | 7-211521043        | • Seat, Upper Return S . . . . .                                                                                 | 1          |
| 32                 | PAOZZ              | 8V613       | 7-211521042        | • Spring, Pedal Adjust . . . . .                                                                                 | 1          |
| 33                 | PAOFF              | 8V613       | 7-211521044        | • Seat Assy, Pedal Spr . . . . .                                                                                 | 1          |
| 34                 | PAFZZ              | 80205       | NAS76A6-116P       | • • Bushing, Sleeve . . . . .                                                                                    | 1          |
| 35                 | PAFZZ              | 96906       | MS14104-4          | • • Bearing, Plain, Self . . . . .                                                                               | 1          |
| 36                 | PAOZZ              | 02731       | HS4027-0222        | • Seal, Nonmetallic, Sp . . . . .                                                                                | 1          |
| 37                 | PAOZZ              | 02731       | HS4027-0408        | • Seal, Nonmetallic, Sp . . . . .                                                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                  |            |



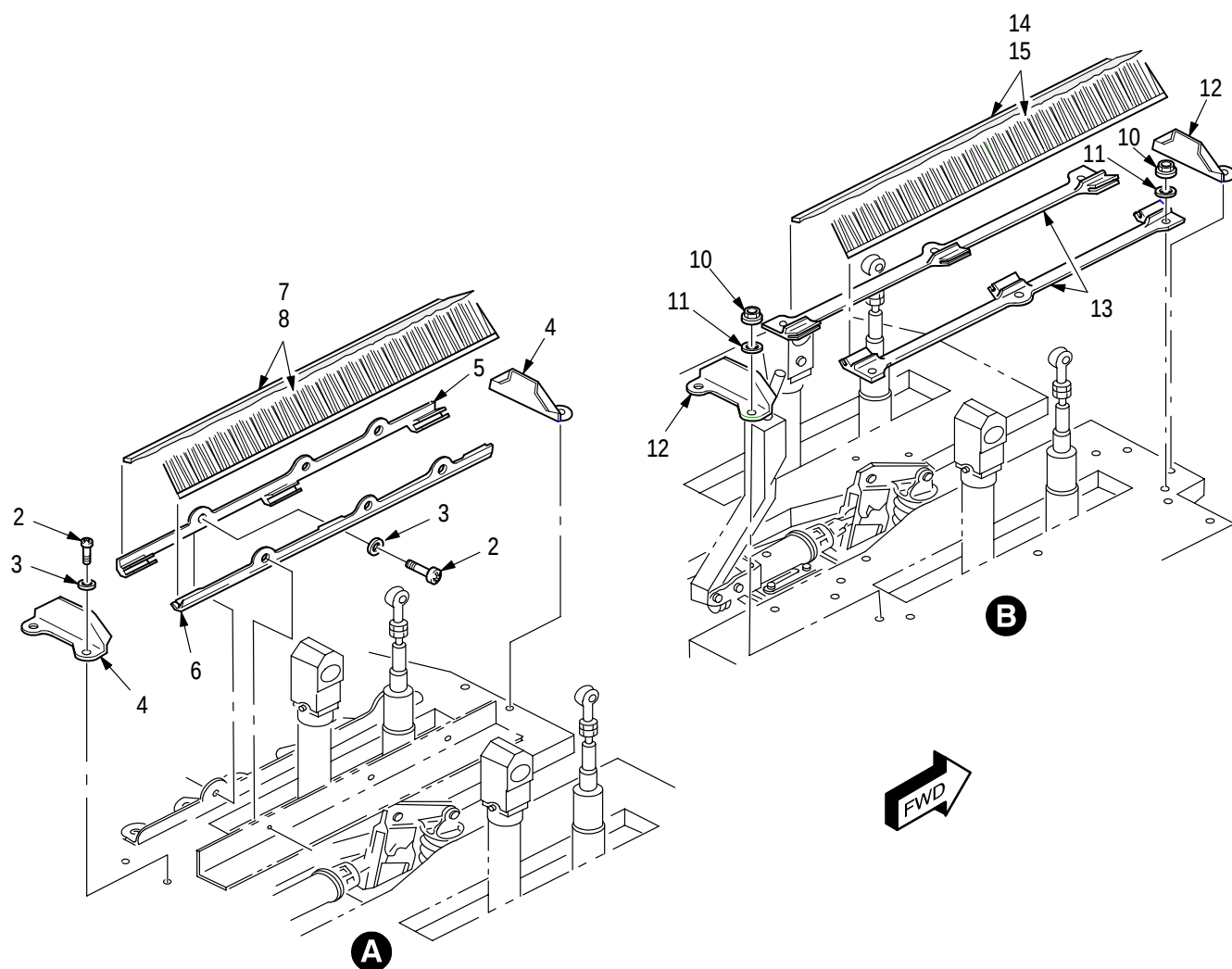
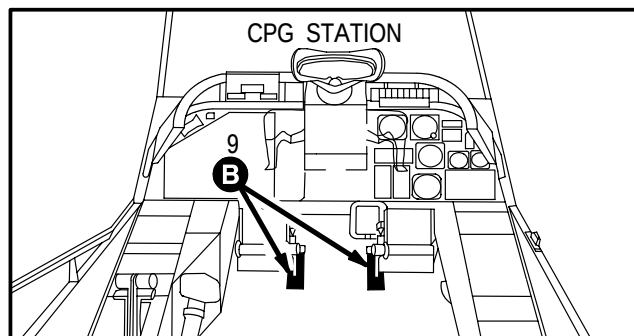
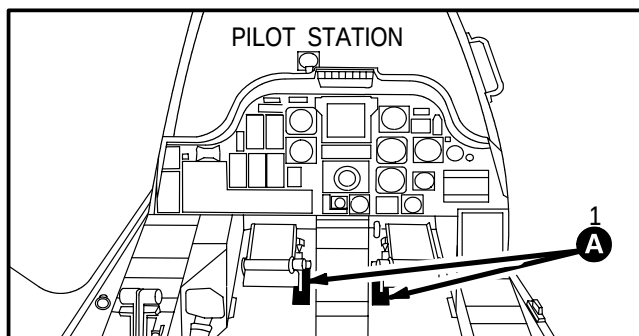
M09-754B

Figure 649. Group 11 Pedal Installation, Copilot/Gunner Station (Part 3)  
7-311522000

## SECTION II

TM 1-1520-238-23P

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 649 Pedal Installation,<br>Copilot/Gunner Station (Part 3)<br>7-311522000 |            |
| 1                  | PAOFF              | 8V613       | 7-311521035        | • Crank Assy, Pedal, Ad .....                                                                                    | 1          |
| 2                  | PAFZZ              | 96906       | MS27576-4-29       | • • Bolt, Close Toleranc .....                                                                                   | 1          |
| 3                  | PAFZZ              | 96906       | MS27576-4-31       | • • Bolt, Close Toleranc .....                                                                                   | 2          |
| 4                  | PAOZZ              | 02731       | HS5542-04027       | • • Bushing, Sleeve .....                                                                                        | 1          |
| 5                  | PAOZZ              | 02731       | HS5542-04028       | • • Bushing, Sleeve .....                                                                                        | 2          |
| 6                  | PAFZZ              | 96906       | MS21224-4          | • • Nut, Self-Locking, As .....                                                                                  | 3          |
| 7                  | PAFZZ              | 80049       | AN380-2-3          | • • Pin, Cotter .....                                                                                            | 3          |
| 8                  | PAFZZ              | 02731       | HS4727-3-1         | • • Screw, Close Toleran .....                                                                                   | 4          |
| 9                  | PAFZZ              | 8V613       | 7-311521038        | • • Plate, Retaining, Bea .....                                                                                  | 2          |
| 10                 | PAFZZ              | 96906       | MS27647-8          | • • Bearing, Ball, Airfra .....                                                                                  | 2          |
| 11                 | XDFFF              | 8V613       | 7-311521006        | • • Bell Crank (Part Of Matched Set P/N 7-311521035) ....                                                        | 1          |
| 12                 | PAFZZ              | 50294       | HT 4               | • • • Bearing, Plain, Self- .....                                                                                | 1          |
| 13                 | XDFZZ              | 8V613       | 7-311521034        | • • Shaft, Torque, Pedal<br>(Part Of Matched Set P/N 7-311521035) .....                                          | 1          |
| 14                 | XDFFF              | 8V613       | 7-311521013        | • • Support Crank, Pedal<br>(Part Of Matched Set P/N 7-311521035) .....                                          | 1          |
| 15                 | PAFZZ              | 96906       | MS51830CA201L      | • • • Insert, Screw Thread .....                                                                                 | 4          |
| 16                 | PAOZZ              | 80205       | NAS1304-4          | • Bolt, Shear .....                                                                                              | 7          |
| 17                 | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....                                                                                            | 7          |
| 18                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....                                                                                             | 14         |
| 19                 | PAOZZ              | 02731       | HS5542-04017       | • Bushing, Sleeve .....                                                                                          | 7          |
| 20                 | PAOFF              | 8V613       | 7-311521018-15     | • Housing Assy, Pedal .....                                                                                      | 1          |
| 21                 | XDFZZ              | 02731       | HS606S4-12         | • • Bushing, Sleeve .....                                                                                        | 2          |
| 22                 | PAFZZ              | 81349       | M81934/2-16C008    | • • Bearing, Sleeve .....                                                                                        | 2          |
| 23                 | PAOZZ              | 8V613       | 7-311521031        | • Spacer, Sleeve .....                                                                                           | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                  |            |

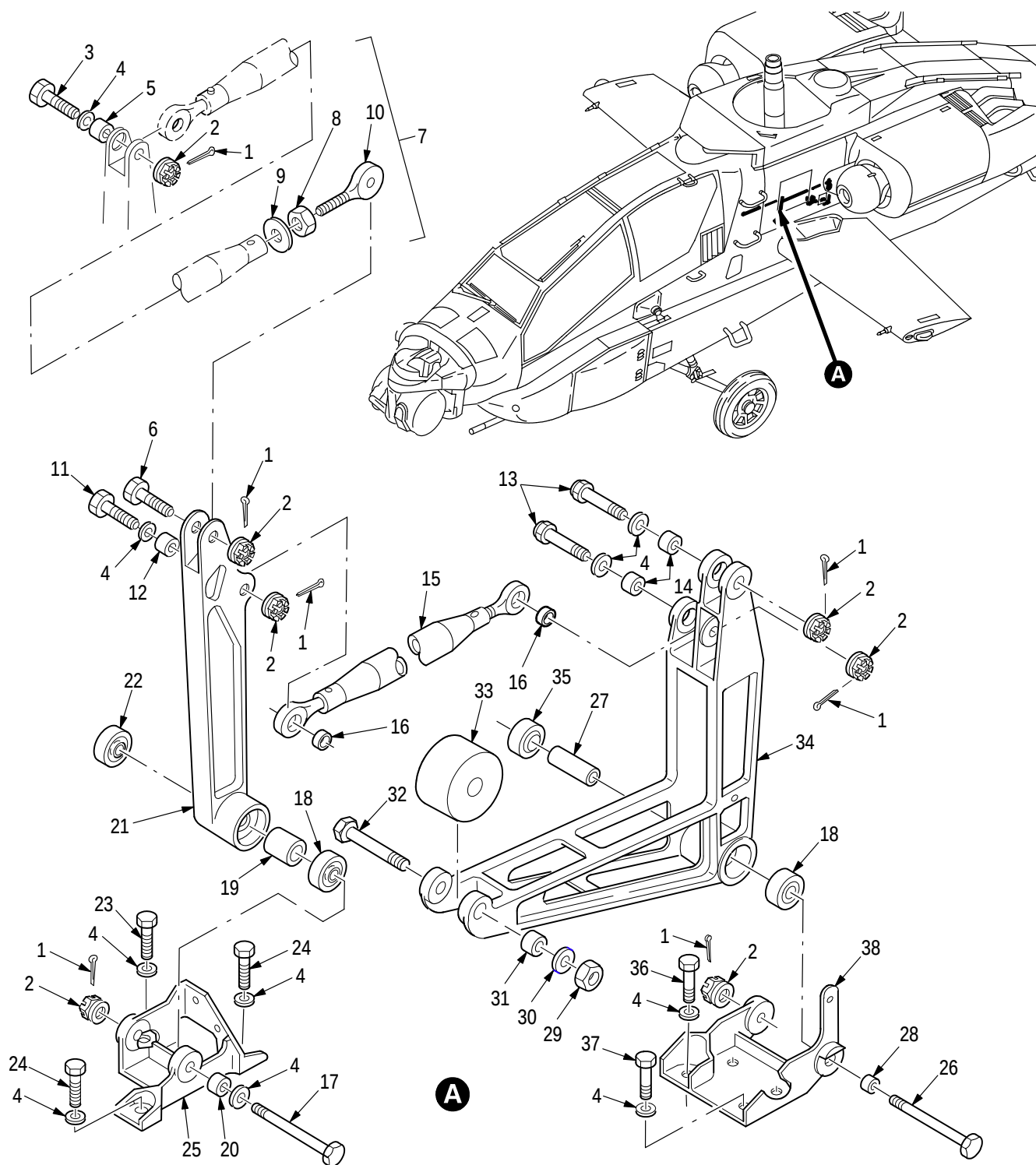


M09-755A

Figure 650. Group 11 Cover Installation, Protective (Pilot and Copilot/Gunner)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 650 Cover Installation, Protective<br>(Pilot and Copilot/Gunner) |            |
| 1                  | AOOOO              | 8V613       | 7-211521060-3      | • Cover, Protective, Pilot .....                                                                        | 1          |
| 2                  | PAOZZ              | 80205       | NAS1403-2          | • • Screw, Machine .....                                                                                | 20         |
| 3                  | PAOZZ              | 59875       | TX90790-34         | • • Washer, Flat .....                                                                                  | 20         |
| 4                  | PAOZZ              | 8V613       | 7-211521076        | • • Closure, Protective .....                                                                           | 4          |
| 5                  | PAOZZ              | 8V613       | 7-211521074-4      | • • Retainer, Protective .....                                                                          | 2          |
| 6                  | PAOZZ              | 8V613       | 7-211521074-3      | • • Retainer, Protective .....                                                                          | 2          |
| 7                  | PAOZZ              | 8V613       | 7-211521078-5      | • • Brush Assy, Cover RH .....                                                                          | 2          |
| 8                  | PAOZZ              | 8V613       | 7-211521078-3      | • • Brush Assy, Cover LH .....                                                                          | 2          |
| 9                  | AOOOO              | 8V613       | 7-211521061        | • Cover, Protective, Copilot/Gunner .....                                                               | 1          |
| 10                 | PAOZZ              | 80205       | MS21042-3          | • • Nut, Self-Locking, Ex .....                                                                         | 20         |
| 11                 | PAOZZ              | 59875       | TX90790-34         | • • Washer, Flat .....                                                                                  | 20         |
| 12                 | PAOZZ              | 8V613       | 7-211521076        | • • Closure, Protective .....                                                                           | 4          |
| 13                 | PAOZZ              | 8V613       | 7-211521075        | • • Retainer, Protective .....                                                                          | 4          |
| 14                 | PAOZZ              | 8V613       | 7-211521078-9      | • • Brush Assy, Cover RH .....                                                                          | 2          |
| 15                 | PAOZZ              | 8V613       | 7-211521078-7      | • • Brush Assy, Cover LH .....                                                                          | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                         |            |

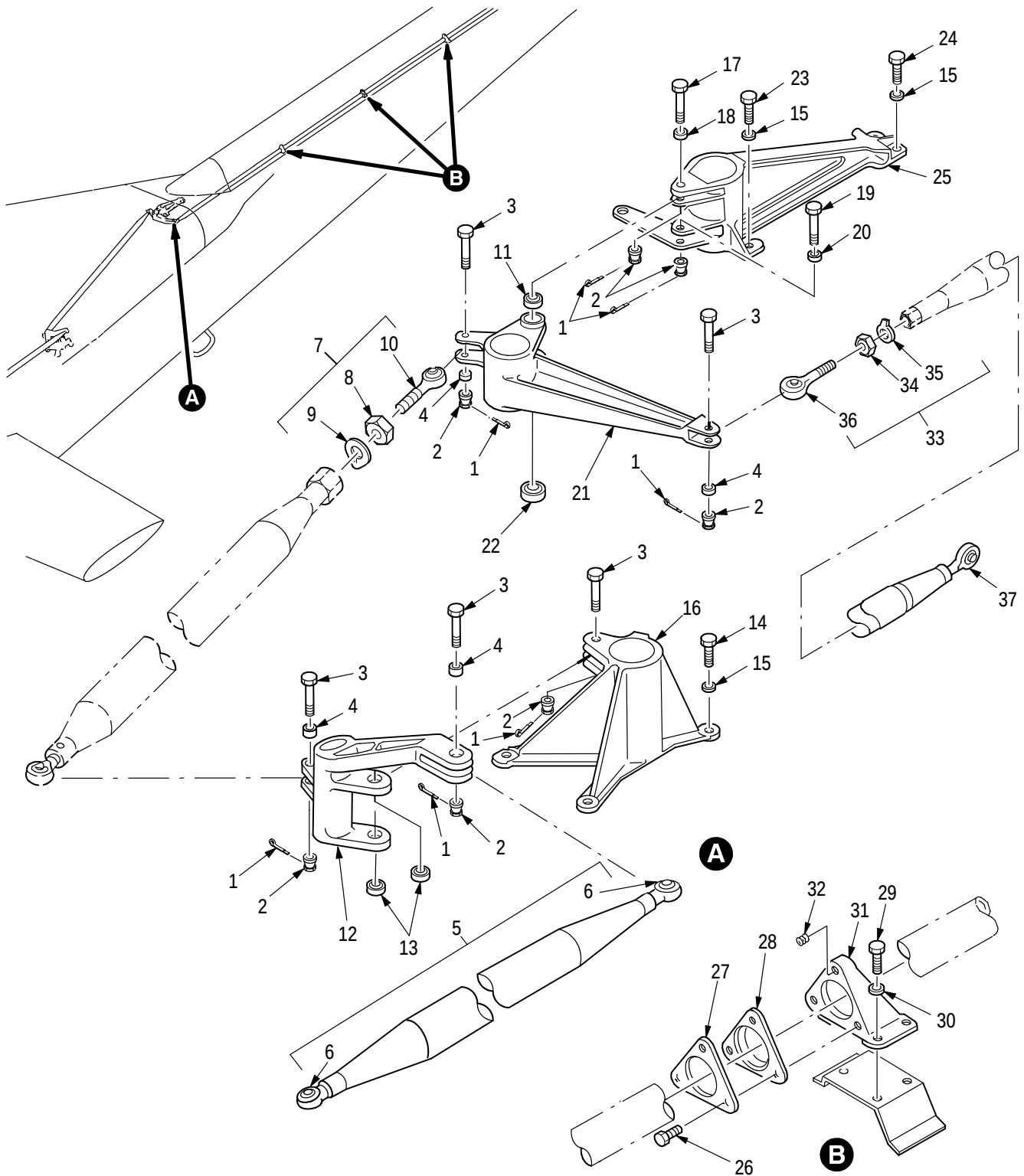




M09-104H

Figure 651. Group 11 Linkage Installation, Tail Rotor Mid Fuselage (FS 164 to FS 216)  
7-311523000

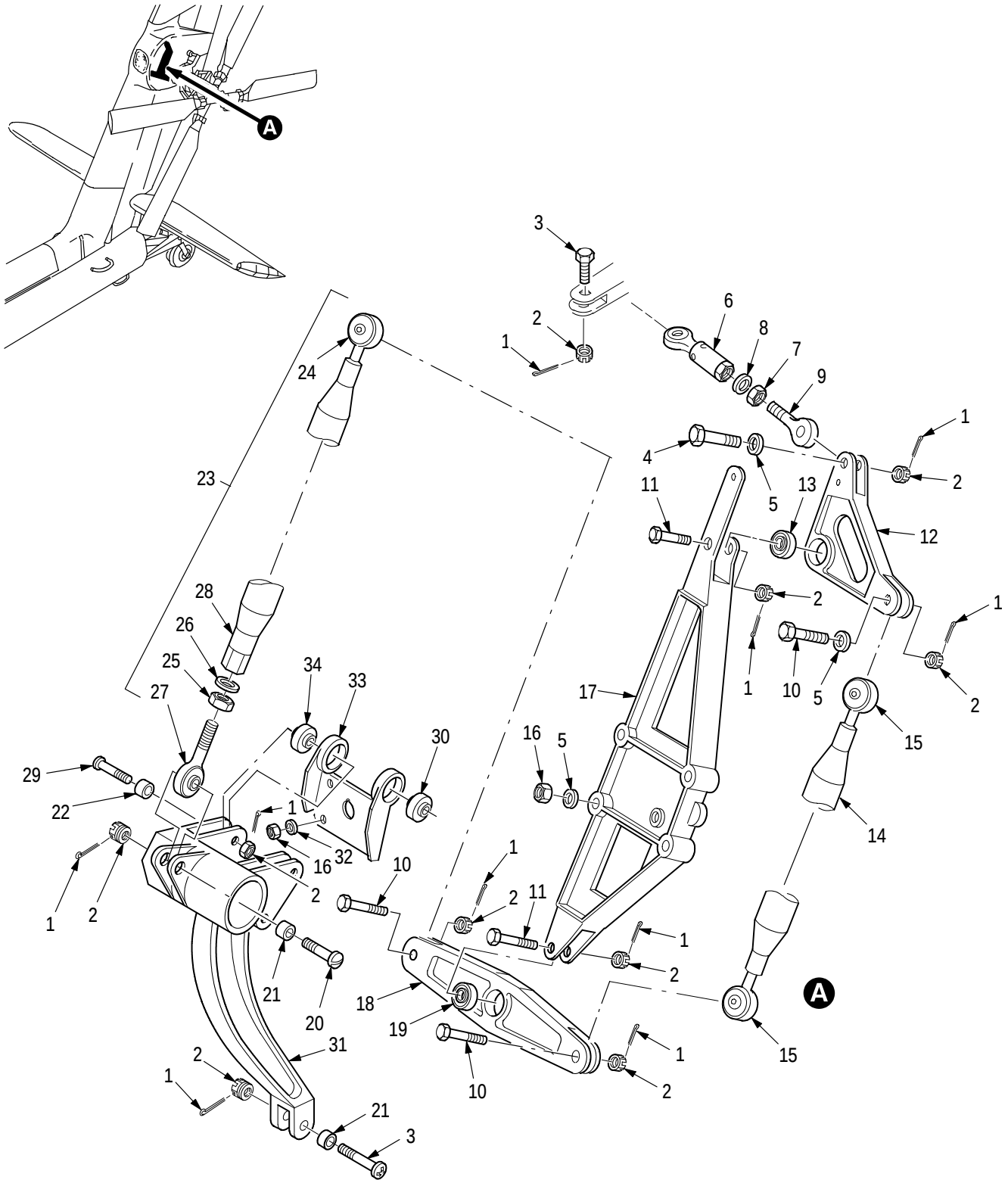
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 651 Linkage Installation, Tail Rotor<br>Mid Fuselage (FS 164 to FS 216)<br>7-311523000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                                           | 7          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                 | 7          |
| 3                  | PAOZZ              | 96906       | MS27576-4-14       | • Bolt, Close Toleranc .....                                                                                                  | 1          |
| 4                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....                                                                                                          | 12         |
| 5                  | PAOZZ              | 02731       | HS5542-04089       | • Bushing, Sleeve .....                                                                                                       | 1          |
| 6                  | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc .....                                                                                                  | 1          |
| 7                  | PAOOO              | 8V613       | 7-211524001-5      | • Rod Assembly, Linkag .....                                                                                                  | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                 | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                         | 1          |
| 10                 | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                               | 1          |
| 11                 | PAOZZ              | 96906       | MS27576-4-15       | • Bolt, Close Toleranc .....                                                                                                  | 1          |
| 12                 | PAOZZ              | 02731       | HS5542-04023       | • Bushing, Sleeve .....                                                                                                       | 1          |
| 13                 | PAOZZ              | 96906       | MS27576-4-17       | • Bolt, Close Toleranc .....                                                                                                  | 2          |
| 14                 | PAOZZ              | 02731       | HS5542-04090       | • Bushing, Sleeve .....                                                                                                       | 2          |
| 15                 | PAOOO              | 8V613       | 7-211524001-7      | • Rod Assembly, Linkag .....                                                                                                  | 1          |
| 16                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                               | 2          |
| 17                 | PAOZZ              | 96906       | MS27576-4-36       | • Bolt, Close Toleranc .....                                                                                                  | 1          |
| 18                 | PAOZZ              | 96906       | MS27640-4          | • Bearing, Ball, Airfra .....                                                                                                 | 2          |
| 19                 | PAOZZ              | 8V613       | 7-211523015-3      | • Spacer, Sleeve .....                                                                                                        | 1          |
| 20                 | PAOZZ              | 02731       | HS5542-04040       | • Bushing, Sleeve .....                                                                                                       | 1          |
| 21                 | PAOFF              | 8V613       | 7-211523013        | • Bell Crank .....                                                                                                            | 1          |
| 22                 | PAFZZ              | 96906       | MS27640-4          | • • Bearing, Ball, Airfra .....                                                                                               | 1          |
| 23                 | PAOZZ              | 80205       | NAS1304-10         | • Bolt, Shear .....                                                                                                           | 1          |
| 24                 | PAOZZ              | 80205       | NAS6604-8          | • Bolt, Shear .....                                                                                                           | 2          |
| 25                 | PAOZZ              | 8V613       | 7-311523009        | • Fitting, Tail Rotor .....                                                                                                   | 1          |
| 26                 | PAOZZ              | 96906       | MS27576-4-45       | • Bolt, Close Toleranc .....                                                                                                  | 1          |
| 27                 | PAOZZ              | 8V613       | 7-211523015-7      | • Spacer, Sleeve .....                                                                                                        | 1          |
| 28                 | PAOZZ              | 02731       | HS5542-04039       | • Bushing, Sleeve .....                                                                                                       | 1          |
| 29                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                 | 1          |
| 30                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....                                                                                                          | 1          |
| 31                 | PAOZZ              | 02731       | HS5542-04091       | • Bushing, Sleeve .....                                                                                                       | 1          |
| 32                 | PAOZZ              | 80205       | NAS6604-29         | • Bolt, Shear .....                                                                                                           | 1          |
| 33                 | PAOZZ              | 8V613       | 7-311525075-3      | • Weight, Counterbalan .....                                                                                                  | 1          |
| 34                 | PAOFF              | 8V613       | 7-311523014-5      | • Bell Crank .....                                                                                                            | 1          |
| 35                 | PAFZZ              | 96906       | MS27640-4          | • • Bearing, Ball, Airfra .....                                                                                               | 1          |
| 36                 | PAOZZ              | 80205       | NAS6604H9          | • Bolt, Shear .....                                                                                                           | 2          |
| 37                 | PAOZZ              | 80205       | NAS6604H10         | • Bolt, Shear .....                                                                                                           | 2          |
| 38                 | PAOZZ              | 8V613       | 7-311523003-5      | • Bracket, Control .....                                                                                                      | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                               |            |



M09-756E

Figure 652. Group 11 Linkage Installation, Tail Rotor AFT Fuselage (FS 275 to FS 477)  
7-311524000

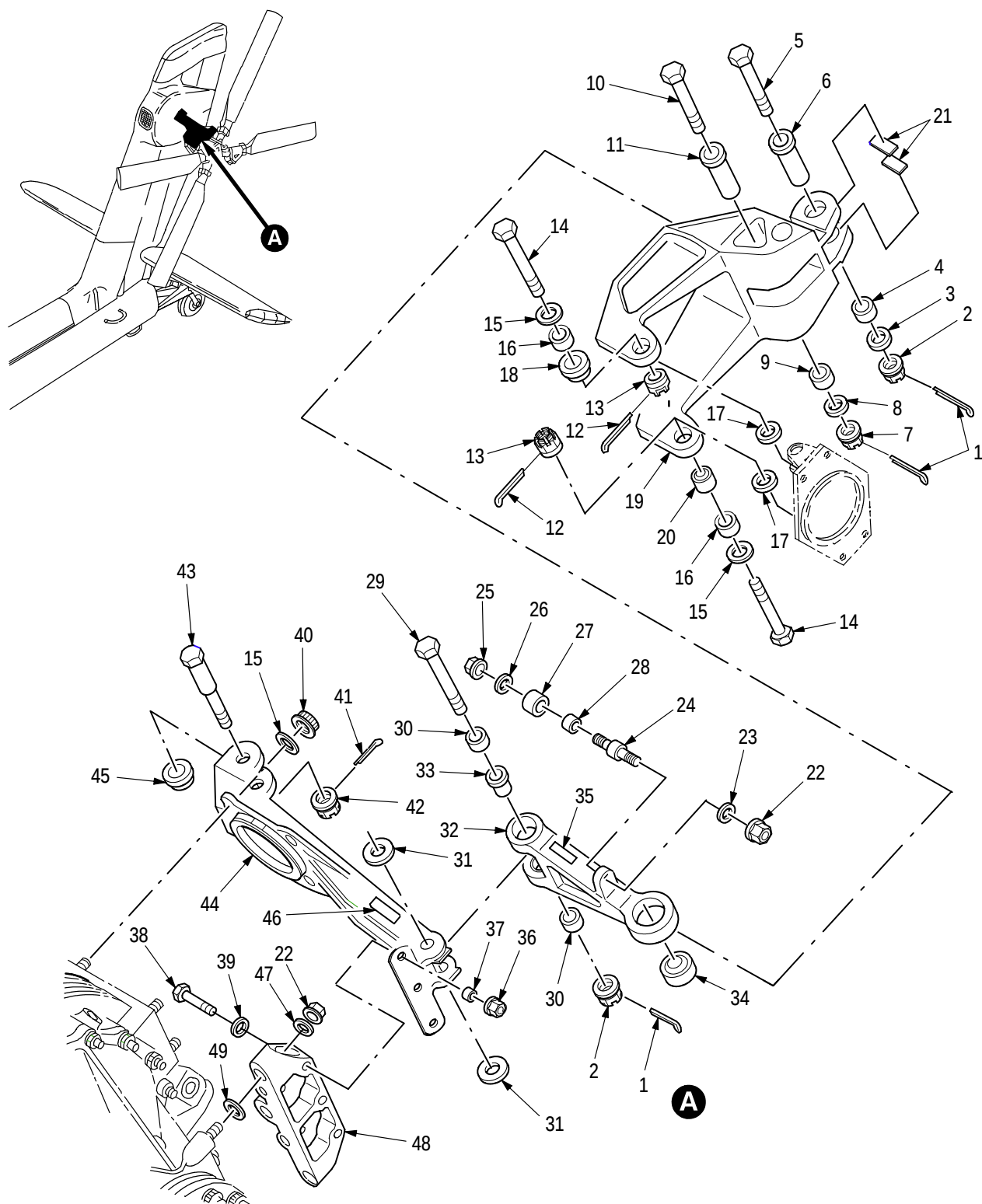
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 652 Linkage Installation, Tail Rotor<br>AFT Fuselage (FS 275 to FS 477)<br>7-311524000 |            |
| 1                  | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                                           | 8          |
| 2                  | PAOZZ              | 96906       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                 | 8          |
| 3                  | PAOZZ              | 96906       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                  | 6          |
| 4                  | PAOZZ              | 02731       | HS5542-04098       | • Bushing, Sleeve .....                                                                                                       | 4          |
| 5                  | PAOOO              | 8V613       | 7-211524001-9      | • Connecting Link, Rig .....                                                                                                  | 1          |
| 6                  | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                               | 2          |
| 7                  | PAOOO              | 8V613       | 7-211524001-11     | • Connecting Link, Rig .....                                                                                                  | 1          |
| 8                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                 | 1          |
| 9                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                         | 1          |
| 10                 | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                               | 1          |
| 11                 | PAOZZ              | 96906       | MS27649-4          | • Bearing, Ball, Airfra .....                                                                                                 | 2          |
| 12                 | PAOFF              | 8V613       | 7-311524009        | • Bell Crank .....                                                                                                            | 1          |
| 13                 | PAFZZ              | 96906       | MS27640-4          | • • Bearing, Ball, Airfra .....                                                                                               | 1          |
| 14                 | PAOZZ              | 80205       | NAS6604H9          | • Bolt, Shear .....                                                                                                           | 4          |
| 15                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....                                                                                                          | 6          |
| 16                 | PAOZZ              | 8V613       | 7-311524004-3      | • Bracket, Rotor Contr .....                                                                                                  | 1          |
| 17                 | PAOZZ              | 96906       | MS27576-4-13       | • Bolt, Close Toleranc .....                                                                                                  | 1          |
| 18                 | PAOZZ              | 02731       | HS5542-04095       | • Bushing, Sleeve .....                                                                                                       | 1          |
| 19                 | PAOZZ              | 96906       | MS27576-4-14       | • Bolt, Close Toleranc .....                                                                                                  | 1          |
| 20                 | PAOZZ              | 02731       | HS5542-04097       | • Bushing, Sleeve .....                                                                                                       | 1          |
| 21                 | PAOFF              | 8V613       | 7-311524010        | • Bell Crank .....                                                                                                            | 1          |
| 22                 | PAFZZ              | 96906       | MS27640-4          | • • Bearing, Ball, Airfra .....                                                                                               | 1          |
| 23                 | PAOZZ              | 80205       | NAS1303-2          | • Bolt, Shear (Usbl Eff 82-23355 thru 88-0215 ) .....                                                                         | 2          |
| 23                 | PAOZZ              | 80205       | NAS6604H8          | • Bolt, Shear (Usbl Eff 88-0216 and Subs) .....                                                                               | 2          |
| 24                 | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....                                                                                                         | 2          |
| 25                 | PAOZZ              | 8V613       | 7-311524005        | • Bracket Tail Rotor .....                                                                                                    | 1          |
| 26                 | PAOZZ              | 80205       | NAS6603-1          | • Bolt, Shear .....                                                                                                           | 9          |
| 27                 | PAOZZ              | 8V613       | 7-211524068        | • Gasket .....                                                                                                                | 3          |
| 28                 | PAOZZ              | 8V613       | 7-211524065-3      | • Grommet, Nonmetallic .....                                                                                                  | 3          |
| 29                 | PAOZZ              | 80205       | NAS6603-2          | • Bolt, Shear .....                                                                                                           | 9          |
| 30                 | PAOZZ              | 80205       | NAS620-10L         | • Washer, Flat .....                                                                                                          | 9          |
| 31                 | PAOOO              | 8V613       | 7-311524064        | • Guide, Pushrod .....                                                                                                        | 3          |
| 32                 | PAOZZ              | 96906       | MS51830CA201L      | • • Insert, Screw Thread .....                                                                                                | 3          |
| 33                 | PAOOO              | 8V613       | 7-211524066-11     | • Push Rod Assy, Tail .....                                                                                                   | 1          |
| 34                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                 | 1          |
| 35                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                         | 1          |
| 36                 | PAOZZ              | 96906       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                               | 1          |
| 37                 | XDOZZ              | 8V613       | 7-211524067        | • • Sleeve, Push Rod, Tai .....                                                                                               | 6          |
| END OF FIGURE      |                    |             |                    |                                                                                                                               |            |



M09-102F

Figure 653. Group 11 Linkage and Actuator Installation, Tail Rotor Controls (Part 1)  
7-311525000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 653 Linkage and Actuator Installation,<br>Tail Rotor Controls (Part 1)<br>7-311525000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                          | 10         |
| 2                  | PAOZZ              | 80205       | MS21224-4          | • Nut, Self-Locking, As .....                                                                                                | 11         |
| 3                  | PAOZZ              | 80205       | MS27576-4-16       | • Bolt, Close Toleranc .....                                                                                                 | 2          |
| 4                  | PAOZZ              | 80205       | MS27576-4-14       | • Bolt, Close Toleranc .....                                                                                                 | 1          |
| 5                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....                                                                                                         | 6          |
| 6                  | PAOOO              | 8V613       | 7-211525051-3      | • Link Assy, Tail Roto .....                                                                                                 | 1          |
| 7                  | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                | 1          |
| 8                  | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                        | 1          |
| 9                  | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                              | 1          |
| 10                 | PAOZZ              | 80205       | MS27576-4-13       | • Bolt, Close Toleranc .....                                                                                                 | 3          |
| 11                 | PAOZZ              | 80205       | MS27576-4-21       | • Bolt, Close Toleranc .....                                                                                                 | 2          |
| 12                 | PAOFF              | 8V613       | 7-211525045        | • Bell Crank .....                                                                                                           | 1          |
| 13                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....                                                                                              | 1          |
| 14                 | PAOOO              | 8V613       | 7-211524001-15     | • Push-Pull Rod Assy .....                                                                                                   | 1          |
| 15                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                              | 2          |
| 16                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                | 4          |
| 17                 | PAOZZ              | 8V613       | 7-311525043        | • Bracket, Rotor Contr .....                                                                                                 | 1          |
| 18                 | PAOFF              | 8V613       | 7-211525044        | • Bell Crank .....                                                                                                           | 1          |
| 19                 | PAFZZ              | 96906       | MS27647-4          | • • Bearing, Ball, Airfra .....                                                                                              | 1          |
| 20                 | PAOZZ              | 80205       | MS27576-4-17       | • Bolt, Close Toleranc .....                                                                                                 | 1          |
| 21                 | PAOZZ              | 02731       | HS5542-04099       | • Bushing, Sleeve .....                                                                                                      | 2          |
| 22                 | PAFZZ              | 02731       | HS5542-04100       | • Bushing, Sleeve .....                                                                                                      | 2          |
| 23                 | PAOOO              | 8V613       | 7-211525602-3      | • Rod Assembly .....                                                                                                         | 1          |
| 24                 | PAOZZ              | 96906       | MS21151-8          | • • Bearing, Ball, Rod En .....                                                                                              | 1          |
| 25                 | PAOZZ              | 80205       | NAS509-6           | • • Nut, Plain, Hexagon .....                                                                                                | 1          |
| 26                 | PAOZZ              | 80205       | NAS513-6           | • • Washer, Key .....                                                                                                        | 1          |
| 27                 | PAOZZ              | 81343       | MS21151-8C         | • • Bearing, Ball, Rod En .....                                                                                              | 1          |
| 28                 | XAOZZ              | 8V613       | 7-211525602-103    | • • Tube Assy .....                                                                                                          | 1          |
| 29                 | PAOZZ              | 80205       | MS27576-4-15       | • Bolt, Close Toleranc .....                                                                                                 | 2          |
| 30                 | PAOZZ              | 96906       | MS27640-4          | • Bearing, Ball, Airfra .....                                                                                                | 1          |
| 31                 | PAOZZ              | 8V613       | 7-311525047        | • Bell Crank (FS 520) .....                                                                                                  | 1          |
| 32                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....                                                                                                         | 2          |
| 33                 | PAOFF              | 8V613       | 7-211525046-7      | • Bracket, Tail Rotor .....                                                                                                  | 1          |
| 34                 | PAFZZ              | 96906       | MS27640-4          | • • Bearing, Ball, Airfra .....                                                                                              | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                              |            |



M09-757G

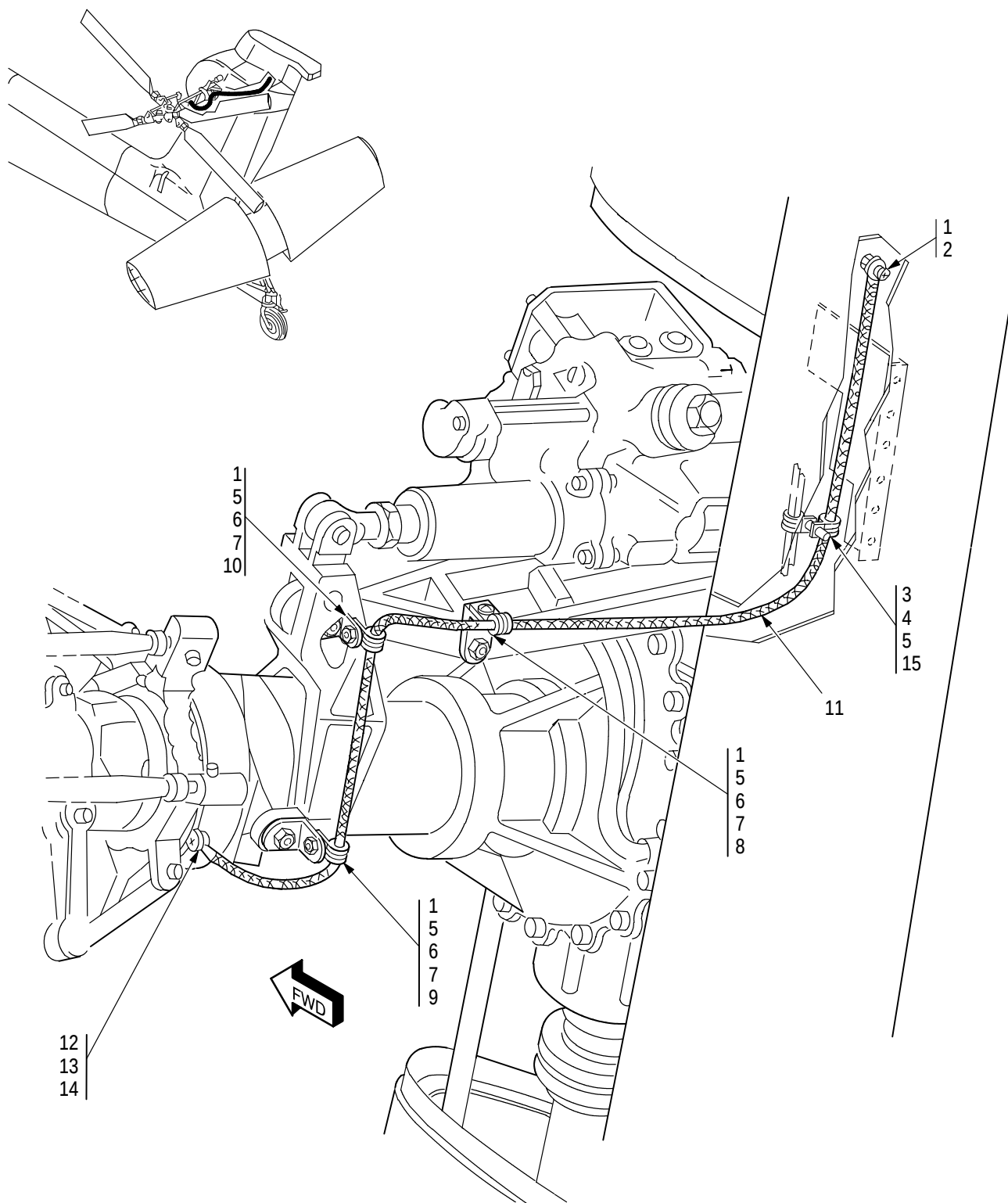
Figure 654. Group 11 Linkage and Actuator Installation, Tail Rotor Controls (Part 2)  
7-311525000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 654 Linkage and Actuator Installation,<br>Tail Rotor Controls (Part 2)<br>7-311525000 |            |
| 1                  | PAOZZ              | 80205       | MS24665-302        | • Pin, Cotter .....                                                                                                          | 3          |
| 2                  | PAOZZ              | 80205       | MS21224-8          | • Nut, Self-Locking, As .....                                                                                                | 2          |
| 3                  | PAOZZ              | 8V613       | 7-311525076-3      | • Washer, Flat .....                                                                                                         | 1          |
| 4                  | PAOZZ              | 02731       | HS5542-12002       | • Bushing, Sleeve .....                                                                                                      | 1          |
| 5                  | PAOZZ              | 80205       | MS27576-8-32       | • Bolt, Close Toleranc .....                                                                                                 | 1          |
| 6                  | PAOZZ              | 8V613       | 7-311525066-3      | • Pin, Straight, Headed .....                                                                                                | 1          |
| 7                  | PAOZZ              | 80205       | MS21224-6          | • Nut, Self-Locking, As .....                                                                                                | 1          |
| 8                  | PAOZZ              | 8V613       | 7-311525076-1      | • Washer, Flat .....                                                                                                         | 1          |
| 9                  | PAOZZ              | 02731       | HS5542-12001       | • Bushing, Sleeve .....                                                                                                      | 1          |
| 10                 | PAOZZ              | 80205       | MS27576-6-31       | • Bolt, Close Toleranc .....                                                                                                 | 1          |
| 11                 | PAOZZ              | 8V613       | 7-311525068        | • Pin, Grooved, Headed .....                                                                                                 | 1          |
| 12                 | PAOZZ              | 80205       | MS24665-153        | • Pin, Cotter .....                                                                                                          | 2          |
| 13                 | PAOZZ              | 80205       | MS21224-5          | • Nut, Self-Locking, As .....                                                                                                | 2          |
| 14                 | PAOZZ              | 96906       | MS27576-5-15       | • Bolt, Close Toleranc .....                                                                                                 | 2          |
| 15                 | PAOZZ              | 88044       | AN960KD516L        | • Washer, Flat .....                                                                                                         | V          |
| 16                 | PAOZZ              | 02731       | HS5542-05011       | • Bushing, Sleeve .....                                                                                                      | 2          |
| 17                 | PAOZZ              | 02731       | HS306-228L         | • Washer, Flat .....                                                                                                         | 2          |
| 18                 | PAOZZ              | 8V613       | 7-211525060        | • Bearing, Plain, Self .....                                                                                                 | 1          |
| 19                 | PAOFF              | 8V613       | 7-311525063-17     | • Bell Crank .....                                                                                                           | 1          |
| 20                 | PAFZZ              | 02731       | HS4736KR5CWGH      | • • Bearing, Plain, Self .....                                                                                               | 1          |
| 21                 | MOOZZ              | 8V613       | 7-311525063-9      | • • Bumper, Nonmetallic .....                                                                                                | 2          |
| 22                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                                                | 9          |
| 23                 | PAOZZ              | 88044       | AN960-416          | • Washer, Flat .....                                                                                                         | 2          |
| 24                 | PAOZZ              | 8V613       | 7-311525070        | • Stud, Shouldered and .....                                                                                                 | 2          |
| 25                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                                                                | 2          |
| 26                 | PAOZZ              | 80205       | NAS1149F0363P      | • Washer, Flat .....                                                                                                         | 2          |
| 27                 | PAOZZ              | 8V613       | 7-311525071        | • Roller, Linear-Rotar .....                                                                                                 | 2          |
| 28                 | PAOZZ              | 81349       | M81934/1-04C008    | • Bearing, Sleeve .....                                                                                                      | 2          |
| 29                 | PAOZZ              | 80205       | MS27576-8-47       | • Bolt, Close Toleranc .....                                                                                                 | 1          |
| 30                 | PAOZZ              | 8V613       | 7-211525058-9      | • Bushing, Sleeve .....                                                                                                      | 2          |
| 31                 | PAOZZ              | 8V613       | 7-211525056-3      | • Washer, Flat .....                                                                                                         | 2          |
| 32                 | PAOFF              | 8V613       | 7-311525064-21     | • Lever, Remote Contro .....                                                                                                 | 1          |
| 33                 | PAFZZ              | 02731       | HS4619-11C010B     | • • Bearing, Sleeve .....                                                                                                    | 2          |
| 34                 | PAFZZ              | 96906       | MS14103-12         | • • Bearing, Plain, Self .....                                                                                               | 1          |
| 35                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....                                                                                               | 3          |
| 36                 | PAOZZ              | 96906       | MS21042-L5         | • Nut, Self-Locking, Ex .....                                                                                                | 3          |
| 37                 | PAOZZ              | 02731       | HS5542-05004       | • Bushing, Sleeve .....                                                                                                      | 3          |
| 38                 | PAOZZ              | 96906       | MS21250-05020      | • Bolt, Shear .....                                                                                                          | 3          |
| 39                 | PAOZZ              | 96906       | MS20002C5          | • Washer, Recessed .....                                                                                                     | 3          |
| 40                 | PAOZZ              | 56878       | 47FLW524           | • Nut, Self-Locking, Ex .....                                                                                                | 4          |
| 41                 | PAOZZ              | 76005       | RS40-7             | • Pin, Cotter .....                                                                                                          | 1          |
| 42                 | PAOZZ              | 80205       | MS21224-10         | • Nut, Self-Locking, As .....                                                                                                | 1          |
| 43                 | PAOZZ              | 8V613       | 7-311525072        | • Bolt, Self-Locking .....                                                                                                   | 1          |
| 44                 | PAOFF              | 8V613       | 7-311525062-19     | • Support Assembly AC .....                                                                                                  | 1          |
| 45                 | PAFZZ              | 8V613       | 7-311525074        | • • Bushing, Sleeve .....                                                                                                    | 1          |
| 46                 | XDOZZ              | 02731       | HS4951-1           | • • Plate, Identificatio .....                                                                                               | 1          |
| 47                 | PAOZZ              | 88044       | AN960KD416         | • Washer, Flat .....                                                                                                         | 5          |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 48                 | PAOZZ              | 8V613       | 7-311525065        | • Bracket, Support, Act .....               | 1          |
| 49                 | PAOZZ              | 8V613       | 7-115116058-11     | • Spacer, Plate .....                       | 3          |
| END OF FIGURE      |                    |             |                    |                                             |            |

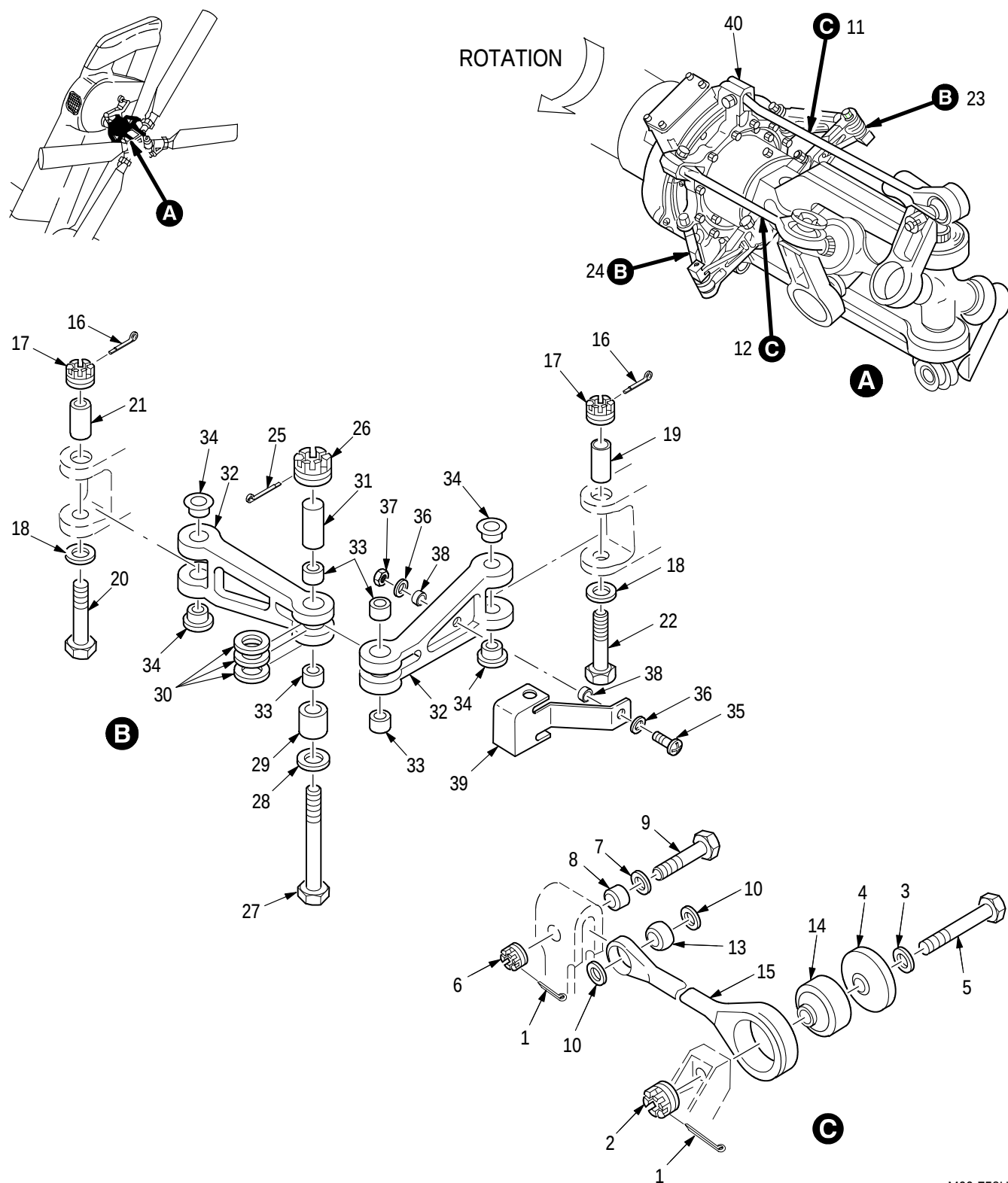




M09-1216A

Figure 655. Group 11 Linkage and Actuator Installation, Tail Rotor Controls (Part 3)  
7-311525000

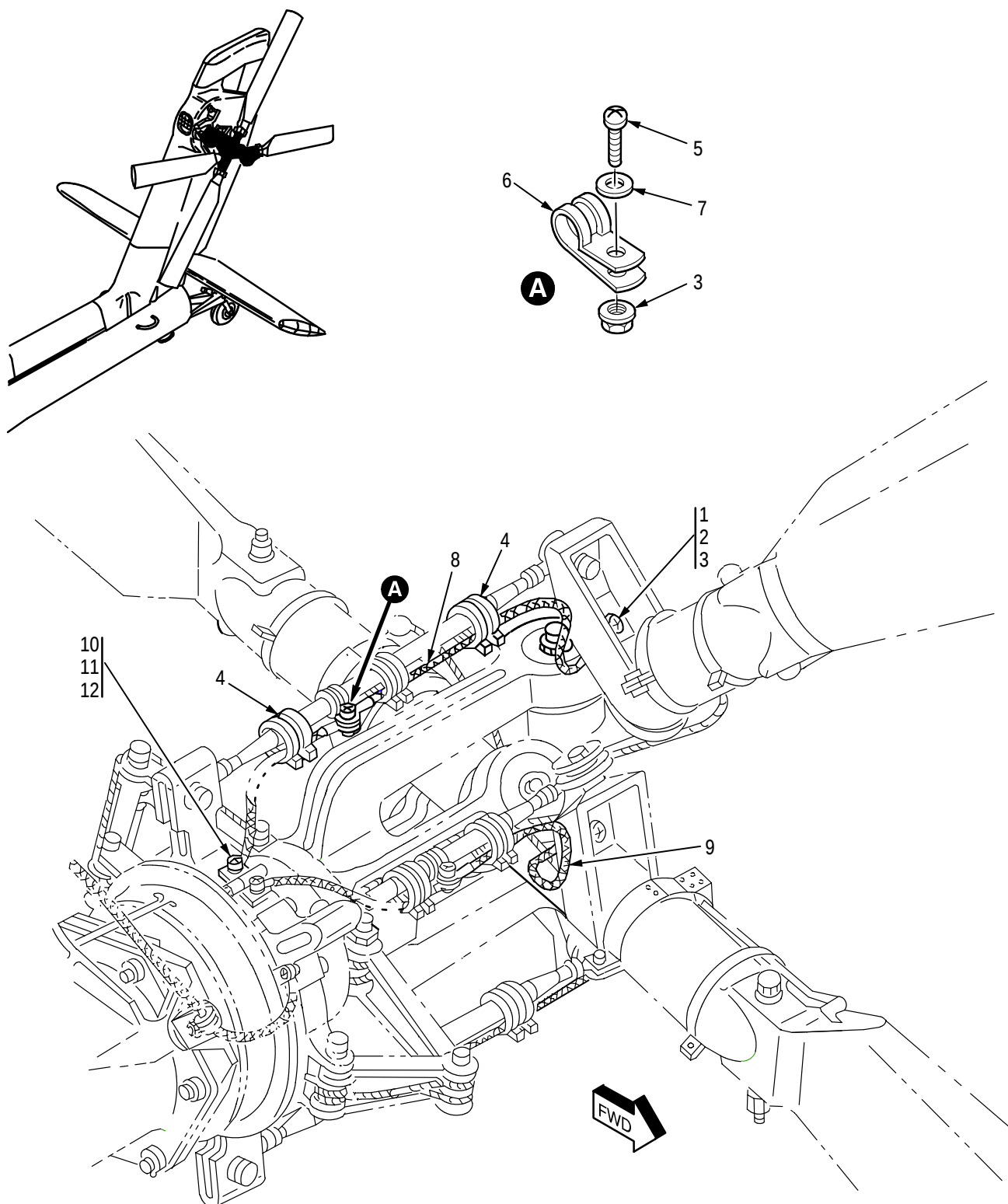
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 655 Linkage and Actuator Installation,<br>Tail Rotor Controls (Part 3)<br>7-311525000 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                                                                | 4          |
| 2                  | PAOZZ              | 80205       | NAS620A10L         | • Washer, Flat .....                                                                                                         | 1          |
| 3                  | PAOZZ              | 80205       | NAS1096-3-17       | • Screw, Machine .....                                                                                                       | 1          |
| 4                  | PAOZZ              | 80205       | NAS43DD3-16        | • Spacer, Sleeve .....                                                                                                       | 1          |
| 5                  | PAOZZ              | 96906       | MS21919WDG2        | • Clamp, Loop .....                                                                                                          | 4          |
| 6                  | PAOZZ              | 80205       | NAS603-7P          | • Screw, Machine .....                                                                                                       | 3          |
| 7                  | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....                                                                                                         | 4          |
| 8                  | MFOZZ              | 8V613       | 7-311B26083-5      | • Bracket .....                                                                                                              | 1          |
| 9                  | MFOZZ              | 8V613       | 7-311B26083-3      | • Bracket .....                                                                                                              | 1          |
| 10                 | MFOZZ              | 8V613       | 7-311B26083-9      | • Bracket .....                                                                                                              | 1          |
| 11                 | PAOZZ              | 02731       | HS5509-35-BB-3     | • Lead, Electrical .....                                                                                                     | 1          |
| 12                 | PAOZZ              | 80205       | NAS514P832-8       | Screw, Machine .....                                                                                                         | 1          |
| 13                 | PAOZZ              | 88044       | AN960-8L           | Washer, Flat .....                                                                                                           | 1          |
| 14                 | PAOZZ              | 80205       | MS21042L08         | Nut, Self-Locking, Ex .....                                                                                                  | 1          |
| 15                 | PAOZZ              | 80205       | NAS43DD3-16        | Spacer, Sleeve .....                                                                                                         | 5          |
| END OF FIGURE      |                    |             |                    |                                                                                                                              |            |



M09-758H

Figure 656. Group 11 Pitch Control Installation, Tail Rotor (Part 1)  
7-311527000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 656 Pitch Control Installation, Tail Rotor<br>(Part 1)<br>7-311527000 |            |
| 1                  | PAOZZ              | 49956       | 2931014P19         | • Pin, Cotter .....                                                                                          | 8          |
| 2                  | PAOZZ              | 96906       | MS21224-8          | • Nut, Self-Locking, As .....                                                                                | 4          |
| 3                  | PAOZZ              | 88044       | AN960KD816L        | • Washer, Flat .....                                                                                         | 4          |
| 4                  | PAOZZ              | 8V613       | 7-211527032        | • Bearing, Washer, Thru .....                                                                                | 4          |
| 5                  | PAOZZ              | 96906       | MS27576-8-37       | • Bolt, Close Toleranc .....                                                                                 | 4          |
| 6                  | PAOZZ              | 96906       | MS21224-6          | • Nut, Self-Locking, As .....                                                                                | 4          |
| 7                  | PAOZZ              | 88044       | AN960KD616L        | • Washer, Flat .....                                                                                         | 4          |
| 8                  | PAOZZ              | 02731       | HS5542-06009       | • Bushing, Sleeve .....                                                                                      | 4          |
| 9                  | PAOZZ              | 96906       | MS27576-6-18       | • Bolt, Close Toleranc .....                                                                                 | 4          |
| 10                 | PAOZZ              | 80205       | NAS1515J9L         | • Washer, Flat .....                                                                                         | 8          |
| 11                 | PAOFF              | 8V613       | 7-311527035-41     | • Connecting Link, Rig .....                                                                                 | 2          |
| 12                 | PAOFF              | 8V613       | 7-311527035-43     | • Connecting Link, Rig .....                                                                                 | 2          |
| 13                 | PAFZZ              | 02731       | HS4736-KR6CWGH     | • • Bearing Unit, Plain .....                                                                                | 1          |
| 14                 | PAFZZ              | 8V613       | 7-211527014        | • • Bearing, Plain, Spher .....                                                                              | 1          |
| 15                 | XAFZZ              | 8V613       | 7-311527035-45     | • • Link (U/O P/N 7-311527035-41) .....                                                                      | 1          |
| 15                 | XAFZZ              | 8V613       | 7-311527035-47     | • • Link (U/O P/N 7-311527035-43) .....                                                                      | 1          |
| 16                 | PAOZZ              | 96906       | MS24665-153        | • Pin, Cotter .....                                                                                          | 4          |
| 17                 | PAOZZ              | 96906       | MS17825-4          | • Nut, Self-Locking, Sl .....                                                                                | 4          |
| 18                 | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....                                                                                         | 4          |
| 19                 | PAOZZ              | 02731       | HS5542-04119       | • Bushing, Sleeve .....                                                                                      | 2          |
| 20                 | PAOZZ              | 80205       | NAS6604DH37        | • Bolt, Shear .....                                                                                          | 2          |
| 21                 | PAOZZ              | 02731       | HS5542-04120       | • Bushing, Sleeve .....                                                                                      | 2          |
| 22                 | PAOZZ              | 80205       | NAS6604DH33        | • Bolt, Shear .....                                                                                          | 2          |
| 23                 | AOOOO              | 8V613       | 7-311527008-11     | • Connecting Link Assy .....                                                                                 | 1          |
| 24                 | AOOOO              | 8V613       | 7-311527008-13     | • Connecting Link Assy .....                                                                                 | 1          |
| 25                 | PAOZZ              | 80205       | MS24665-132        | • • Pin, Cotter .....                                                                                        | 1          |
| 26                 | PAOZZ              | 96906       | MS21224-4          | • • Nut, Self-Locking, As .....                                                                              | 1          |
| 27                 | PAOZZ              | 96906       | MS27576-4-27       | • • Bolt, Close Toleranc .....                                                                               | 1          |
| 28                 | PAOZZ              | 88044       | AN960C416L         | • • Washer, Flat .....                                                                                       | 1          |
| 29                 | PAOZZ              | 8V613       | 7-311527045-3      | • • Spacer, Sleeve (U/O P/N 7-311527008-13) .....                                                            | 1          |
| 29                 | PAOZZ              | 8V613       | 7-311527045-5      | • • Spacer, Sleeve (U/O P/N 7-311527008-11) .....                                                            | 1          |
| 30                 | PAOZZ              | 8V613       | 7-115127031        | • • Spacer, Drive Link (U/O P/N 7-311527008-11) .....                                                        | 3          |
| 31                 | PAOZZ              | 02731       | HS5542-04007       | • • Bushing, Sleeve .....                                                                                    | 1          |
| 32                 | PAOFF              | 8V613       | 7-311527009        | • • Connecting Link, Rig .....                                                                               | 2          |
| 33                 | PAFZZ              | 8V613       | 7-115127019        | • • • Bearing, Sleeve .....                                                                                  | 2          |
| 34                 | PAFZZ              | 8V613       | 7-115127020        | • • • Bearing, Sleeve .....                                                                                  | 2          |
| 35                 | PAOZZ              | 80205       | NAS603-18P         | • • Screw, Machine .....                                                                                     | 1          |
| 36                 | PAOZZ              | 88044       | AN960JD10L         | • • Washer, Flat .....                                                                                       | 2          |
| 37                 | PAOZZ              | 80205       | MS21042L3          | • • Nut, Self-Locking, Ex .....                                                                              | 1          |
| 38                 | PAOZZ              | 80205       | NAS43DD3-12N       | • • Spacer, Sleeve .....                                                                                     | 2          |
| 39                 | PAOZZ              | 8V613       | 7-311527070        | • • Bracket, Mounting .....                                                                                  | 1          |
| 40                 | PAODD              | 8V613       | 7-311527038-19     | • Swashplate, Controll (See Fig. 658 for Breakdown) .....                                                    | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                              |            |

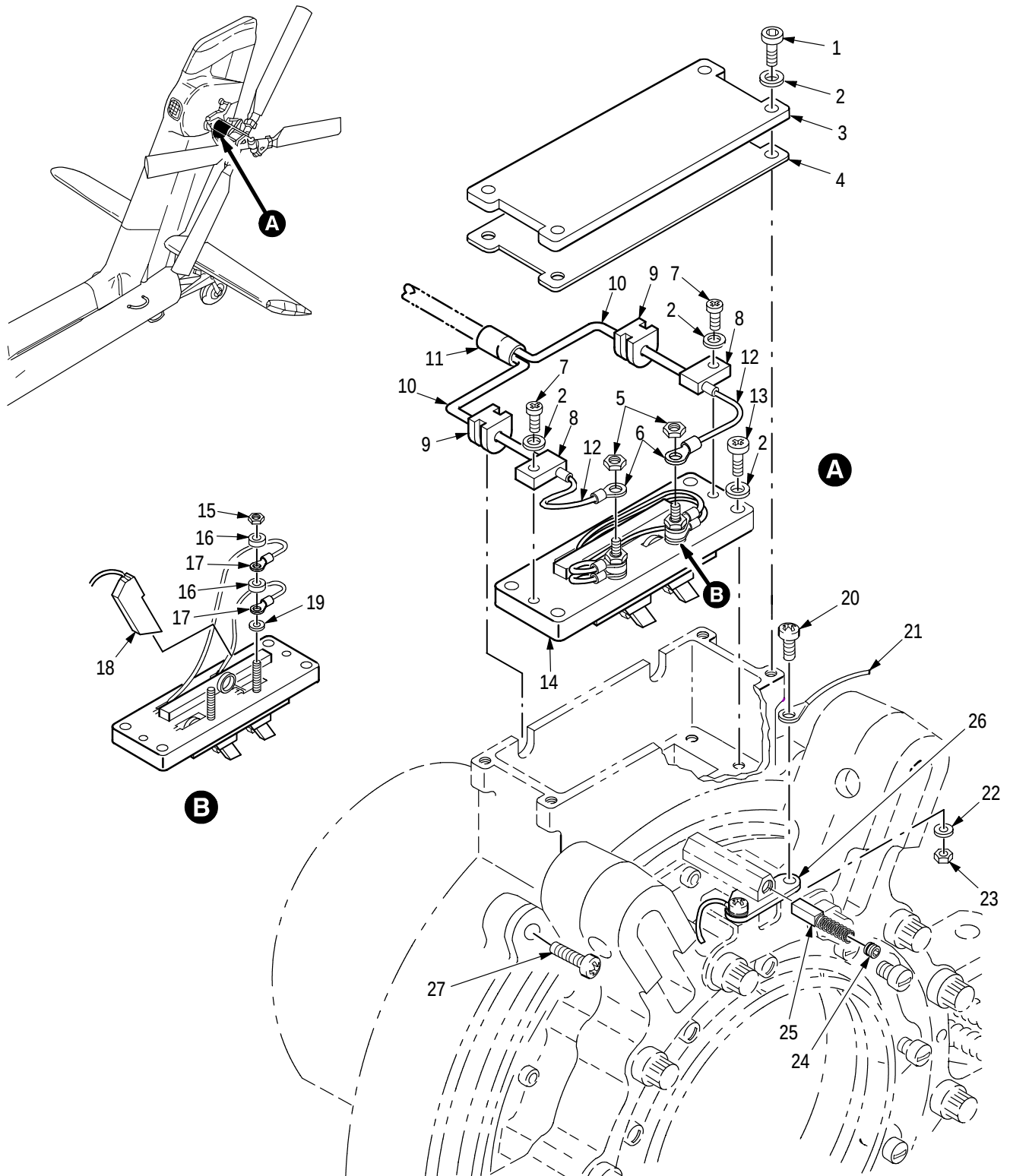


M09-1215C

Figure 657. Group 11 Pitch Control Installation, Tail Rotor (Part 2)  
7-311527000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 657 Pitch Control Installation,<br>Tail Rotor (Part 2)<br>7-311527000 |            |
| 1                  | PAOZZ              | 80205       | NAS603-8P          | • Screw, Machine .....                                                                                       | 4          |
| 2                  | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....                                                                                         | 8          |
| 3                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                                                | 8          |
| 4                  | PAOZZ              | 96906       | MS3367-1-0         | • Strap, Tiedown, Elect .....                                                                                | 20         |
| 5                  | PAOZZ              | 80205       | NAS603-10P         | • Screw, Machine .....                                                                                       | 4          |
| 6                  | PAOZZ              | 18876       | 8195985            | • Clamp, Loop .....                                                                                          | 4          |
| 7                  | PAOZZ              | 80205       | NAS1149F0363P      | • Washer, Flat .....                                                                                         | 8          |
| 8                  | PAOZZ              | 02731       | HS5509-13-BB-3     | • Lead, Electrical .....                                                                                     | 2          |
| 9                  | PAOZZ              | 02731       | HS5509-08-BB-3     | • Lead, Electrical .....                                                                                     | 2          |
| 10                 | PAOZZ              | 80205       | NAS1096-3-9        | Screw, Machine .....                                                                                         | 4          |
| 11                 | PAOZZ              | 88044       | AN960C10L          | Washer, Flat .....                                                                                           | 4          |
| 12                 | PAOZA              | 96906       | MS21043-3          | Nut, Self-Locking, Ex .....                                                                                  | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                                              |            |

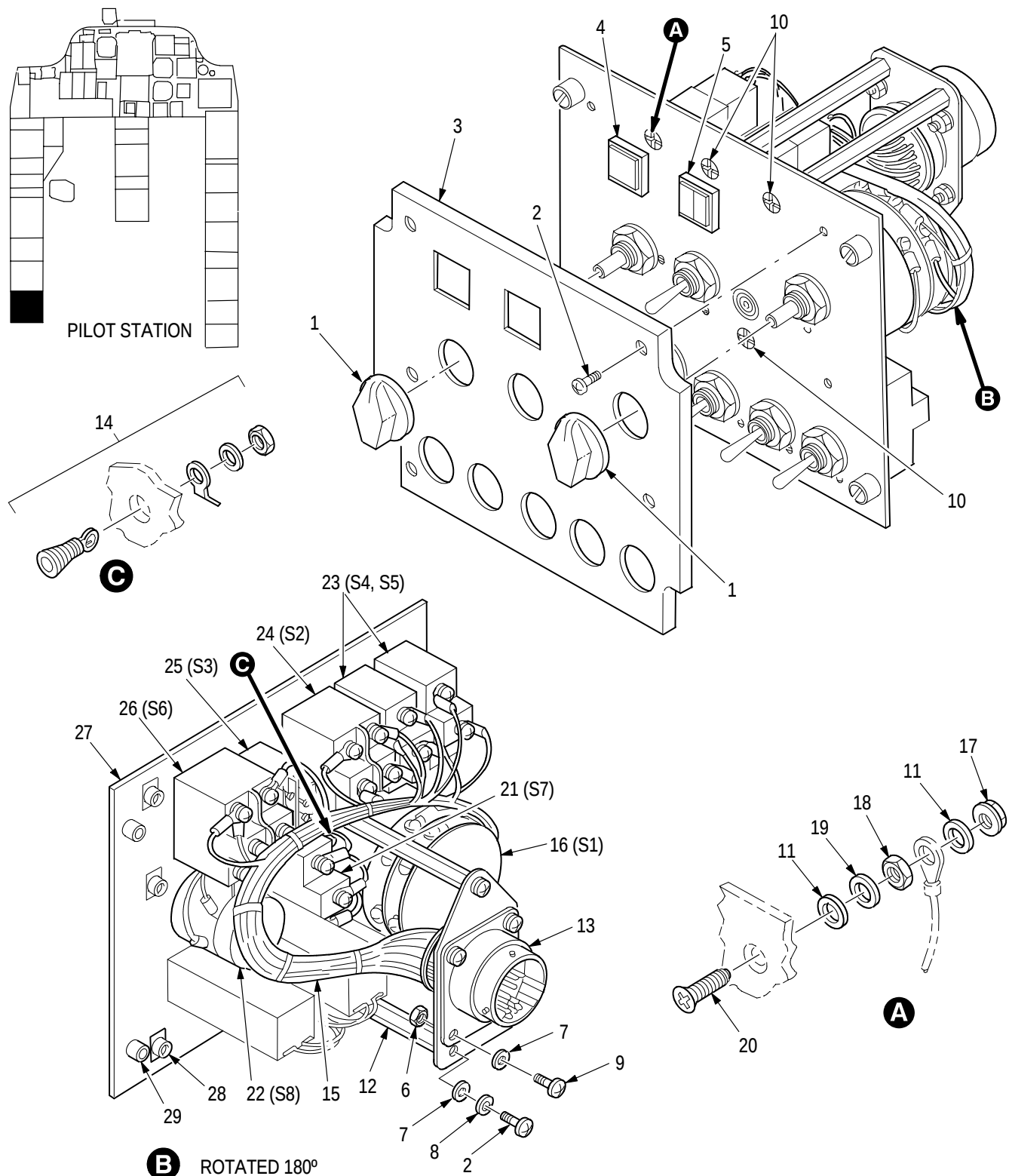




M09-1166F

Figure 658. Group 11 Swashplate, Controller  
7-311527038-19

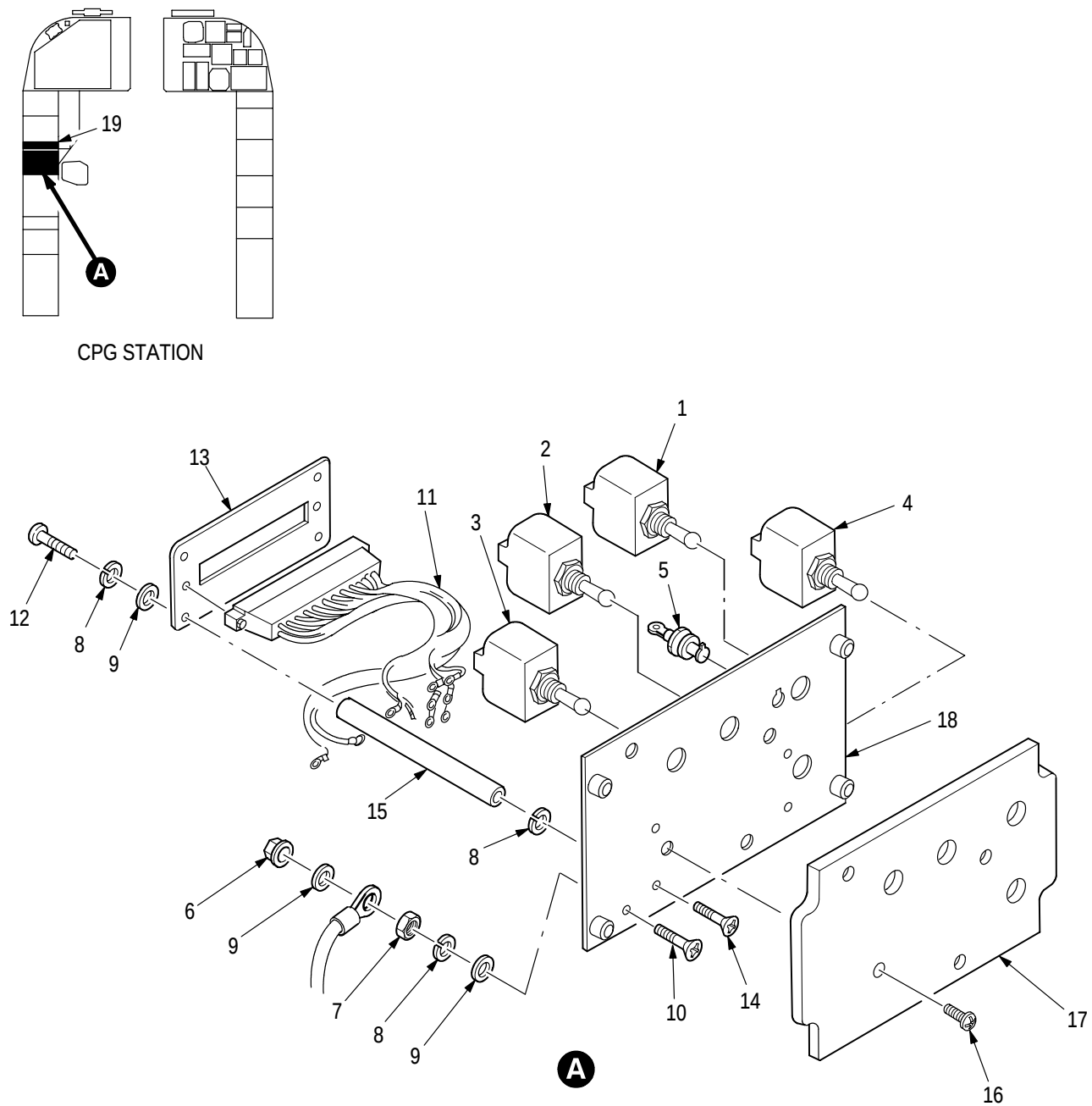
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                 | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 11 Flight Control System<br>Fig. 658 Swashplate, Controller<br>7-311527038-19<br>See Fig. 656 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS16997-10         | • Screw, Cap, Socket He .....                                                                               | 4          |
| 2                  | PAOZZ              | 96906       | MS15795-803        | • Washer, Flat .....                                                                                        | 10         |
| 3                  | PAOZZ              | 99932       | 309117             | • Cover, Brush Block .....                                                                                  | 1          |
| 4                  | PAOZZ              | 99932       | 309116             | • Gasket .....                                                                                              | 1          |
| 5                  | PAOZZ              | 96906       | MS21045-04         | • Nut, Self-Locking, He .....                                                                               | 2          |
| 6                  | PAOZZ              | 96906       | MS25036-152        | • Terminal, Lug .....                                                                                       | 2          |
| 7                  | PAOZZ              | 96906       | MS35275-215        | • Screw, Machine .....                                                                                      | 2          |
| 8                  | PAOZZ              | 99932       | 309129             | • Holder, Contact .....                                                                                     | 2          |
| 9                  | PAOZZ              | 99932       | 309115             | • Grommet, Nonmetallic .....                                                                                | 2          |
| 10                 | PAOZZ              | 99932       | 309146-101         | • Tube ,Metallic .....                                                                                      | 2          |
| 11                 | PAOZZ              | 99932       | 309146-102         | • Tube ,Metallic .....                                                                                      | 1          |
| 12                 | PAOZZ              | 99932       | 309130-3           | • Lead, Electrical .....                                                                                    | 2          |
| 13                 | XDOZZ              | 06540       | 6234-SS-0440       | • Screw, Externally Re .....                                                                                | 4          |
| 14                 | PAOFF              | 99932       | 309111             | • Holder, Electrical C .....                                                                                | 1          |
| 15                 | PAFZZ              | 96906       | MS35649-245T       | • • Nut, Plain, Hexagon .....                                                                               | 2          |
| 16                 | PAFZZ              | 99932       | 287515             | • • Spacer, Sleeve .....                                                                                    | 4          |
| 17                 | PAFZZ              | 96906       | MS25036-152        | • • Terminal, Lug .....                                                                                     | 4          |
| 18                 | PAFZA              | 99932       | 309109             | • • Brush, Electrical Co .....                                                                              | 4          |
| 19                 | PAFZZ              | 96906       | MS15795-503        | • • Washer, Flat .....                                                                                      | 2          |
| 20                 | PAOZZ              | 80205       | NAS1096-3-9        | • Screw, Machine .....                                                                                      | 4          |
| 21                 | PAOZZ              | 02731       | HS5509-05-BB-3     | • Lead, Electrical .....                                                                                    | 4          |
| 22                 | PAOZZ              | 88044       | AN960C10L          | • Washer, Flat .....                                                                                        | 4          |
| 23                 | PAOZA              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....                                                                               | 4          |
| 24                 | PAOZZ              | 80205       | NAS1081C5B6        | • Setscrew .....                                                                                            | 2          |
| 25                 | PAOZZ              | 8V613       | 7-311411010-3      | • Brush, Electrical Co .....                                                                                | 2          |
| 26                 | PAOZZ              | 8V613       | 7-211411074        | • Holder, Electrical C .....                                                                                | 2          |
| 27                 | XDOZZ              | 80205       | NAS1202-7          | • Screw, Close Toleran .....                                                                                | 6          |
| END OF FIGURE      |                    |             |                    |                                                                                                             |            |



M09-751E

Figure 659. Group 12 Panel Assembly, Power Distribution, Pilot  
7-311A10010-7

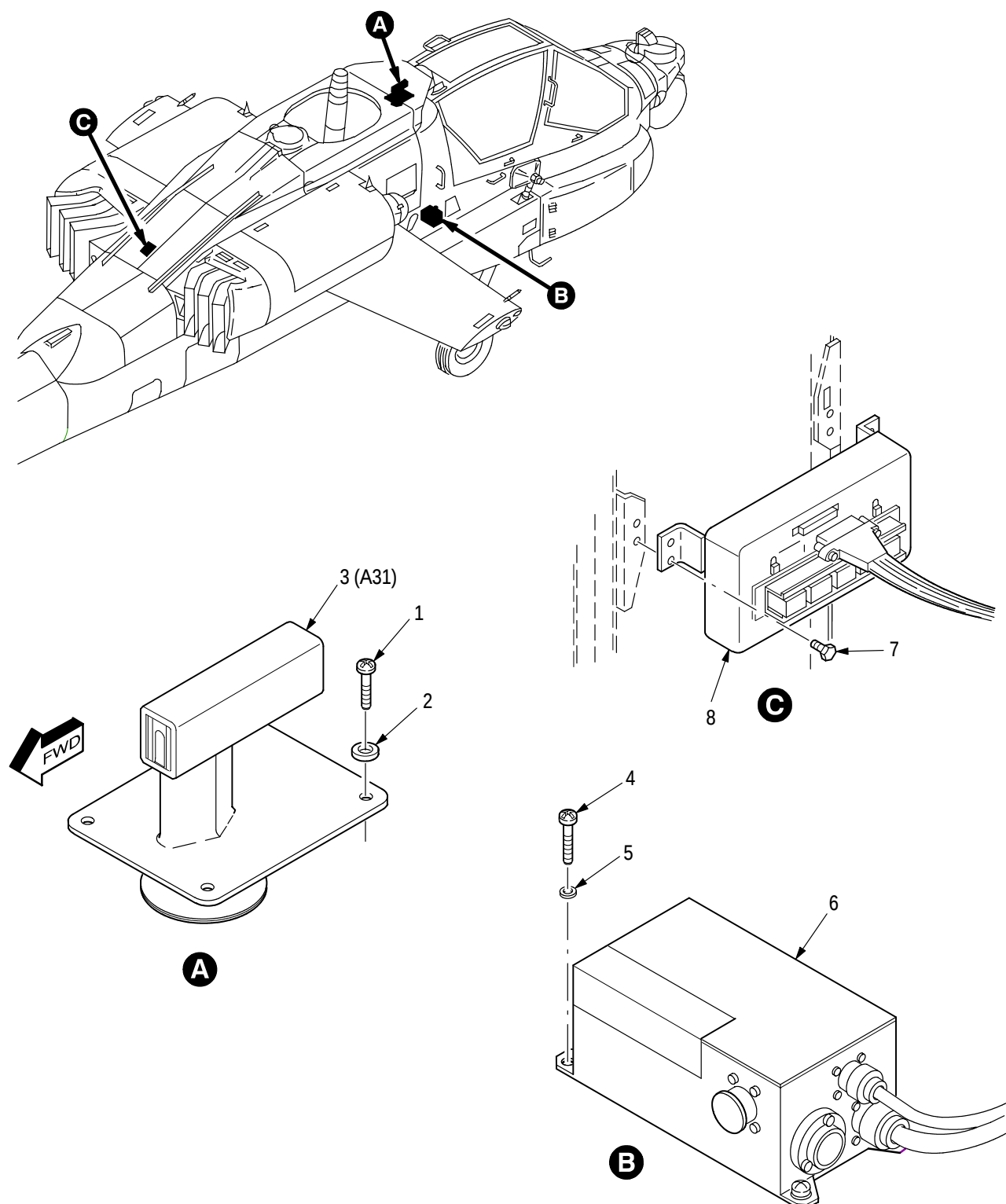
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 659 Panel Assembly,<br>Power Distribution, Pilot<br>7-311A10010-7<br>See Fig. 370 for NHA |            |
| 1                  | PAOZZ              | 02731       | HS4160-67          | • Knob .....                                                                                                               | 2          |
| 2                  | PAFZZ              | 96906       | MS51957-29B        | • Screw, Machine .....                                                                                                     | 8          |
| 3                  | PAOZZ              | 8V613       | 7-311A10012-3      | • Panel, Indicating, Li .....                                                                                              | 1          |
| 4                  | PAFZZ              | 02731       | HS4718-GG002       | • Switch, Push .....                                                                                                       | 1          |
| 5                  | PAFZZ              | 32245       | 99-230-6FI-8951    | • Switch, Push .....                                                                                                       | 1          |
| 6                  | PAFZZ              | 80205       | MS21042-04         | • Nut, Self-Locking, Ex .....                                                                                              | 4          |
| 7                  | PAFZZ              | 88044       | AN960JD4L          | • Washer, Flat .....                                                                                                       | 7          |
| 8                  | PAFZZ              | 96906       | MS35338-136        | • Washer, Lock .....                                                                                                       | 3          |
| 9                  | PAFZZ              | 96906       | MS51957-15         | • Screw, Machine .....                                                                                                     | 4          |
| 10                 | PAFZZ              | 96906       | MS24693C25         | • Screw, Machine .....                                                                                                     | 3          |
| 11                 | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat .....                                                                                                       | 2          |
| 12                 | PAFZZ              | 80205       | NAS1831A4C52       | • Post, Electrical-Mec .....                                                                                               | 3          |
| 13                 | PAFZZ              | 8V613       | 7-311A20042        | • Plate, Retaining, Ele .....                                                                                              | 1          |
| 14                 | PAFZA              | 96906       | MS90335-2          | • Connector, Receptacl .....                                                                                               | 1          |
| 15                 | PAFZZ              | 8V613       | 7-311B24614-011    | • Wiring Harness .....                                                                                                     | 1          |
| 16                 | PAFZZ              | 02731       | HS4296-1           | • Switch, Rotary .....                                                                                                     | 1          |
| 17                 | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex .....                                                                                              | 1          |
| 18                 | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon .....                                                                                                | 1          |
| 19                 | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock .....                                                                                                       | 1          |
| 20                 | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine .....                                                                                                     | 1          |
| 21                 | PAFZZ              | 96906       | MS24523-23         | • Switch, Toggle .....                                                                                                     | 1          |
| 22                 | PAFZZ              | 02731       | HS4162-1001        | • Switch, Rotary .....                                                                                                     | 1          |
| 23                 | PAFZZ              | 96906       | MS24523-22         | • Switch, Toggle .....                                                                                                     | 2          |
| 24                 | PAFZZ              | 96906       | MS24524-22         | • Switch, Toggle .....                                                                                                     | 1          |
| 25                 | PAFZZ              | 81349       | M8805/26-007       | • Switch, Toggle .....                                                                                                     | 1          |
| 26                 | PAFZZ              | 96906       | MS24524-31         | • Switch, Toggle .....                                                                                                     | 1          |
| 27                 | PAFFF              | 8V613       | 7-211A10011        | • Panel, Support, Pilot .....                                                                                              | 1          |
| 28                 | PAFZZ              | 80205       | MS21075L06N        | • • Nut, Self-Locking, Pl .....                                                                                            | 5          |
| 29                 | PAFZZ              | 02731       | HS4148-1           | • • Stud Assembly, Turnl .....                                                                                             | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                                                            |            |



M09-669B

Figure 660. Group 12 Panel Assembly, Copilot/Gunner  
7-311B11113

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 660 Panel Assembly,<br>Copilot/Gunner<br>7-311B11113<br>See Fig. 370 for NHA |            |
| 1                  | PAFZZ              | 81349       | M8805/26-007       | • Switch, Toggle .....                                                                                        | 1          |
| 2                  | PAFZZ              | 96906       | MS24524-23         | • Switch, Toggle .....                                                                                        | 1          |
| 3                  | PAFZZ              | 96906       | MS24658-22G        | • Switch, Toggle .....                                                                                        | 1          |
| 4                  | PAFZZ              | 96906       | MS24523-23         | • Switch, Toggle .....                                                                                        | 1          |
| 5                  | PAFZA              | 96906       | MS90335-2          | • Connector, Receptacl .....                                                                                  | 1          |
| 6                  | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex .....                                                                                 | 1          |
| 7                  | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon .....                                                                                   | 1          |
| 8                  | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock .....                                                                                          | 9          |
| 9                  | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat .....                                                                                          | 6          |
| 10                 | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine .....                                                                                        | 1          |
| 11                 | PAFZZ              | 8V613       | 7-311B24622-003    | • Wire Harness, Electr .....                                                                                  | 1          |
| 12                 | PAFZA              | 80205       | NAS601-6B          | • Screw, Machine .....                                                                                        | 4          |
| 13                 | PAFZZ              | 8V613       | 7-311B11131        | • Bracket, Connector .....                                                                                    | 1          |
| 14                 | PAFZZ              | 80205       | NAS514P632-6B      | • Screw, Machine .....                                                                                        | 4          |
| 15                 | PAFZZ              | 80205       | NAS1786A06-56      | • Post, Electrical-Mec .....                                                                                  | 4          |
| 16                 | PAFZZ              | 80205       | NAS601-9P          | • Screw, Machine .....                                                                                        | 4          |
| 17                 | PAOZZ              | 8V613       | 7-311B11118-3      | • Panel, Indicating .....                                                                                     | 1          |
| 18                 | PAFZZ              | 8V613       | 7-311B11114        | • Support, Panel .....                                                                                        | 1          |
| 19                 | PAOZZ              | 8V613       | 7-314200055        | • Panel, Blank .....                                                                                          | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                               |            |

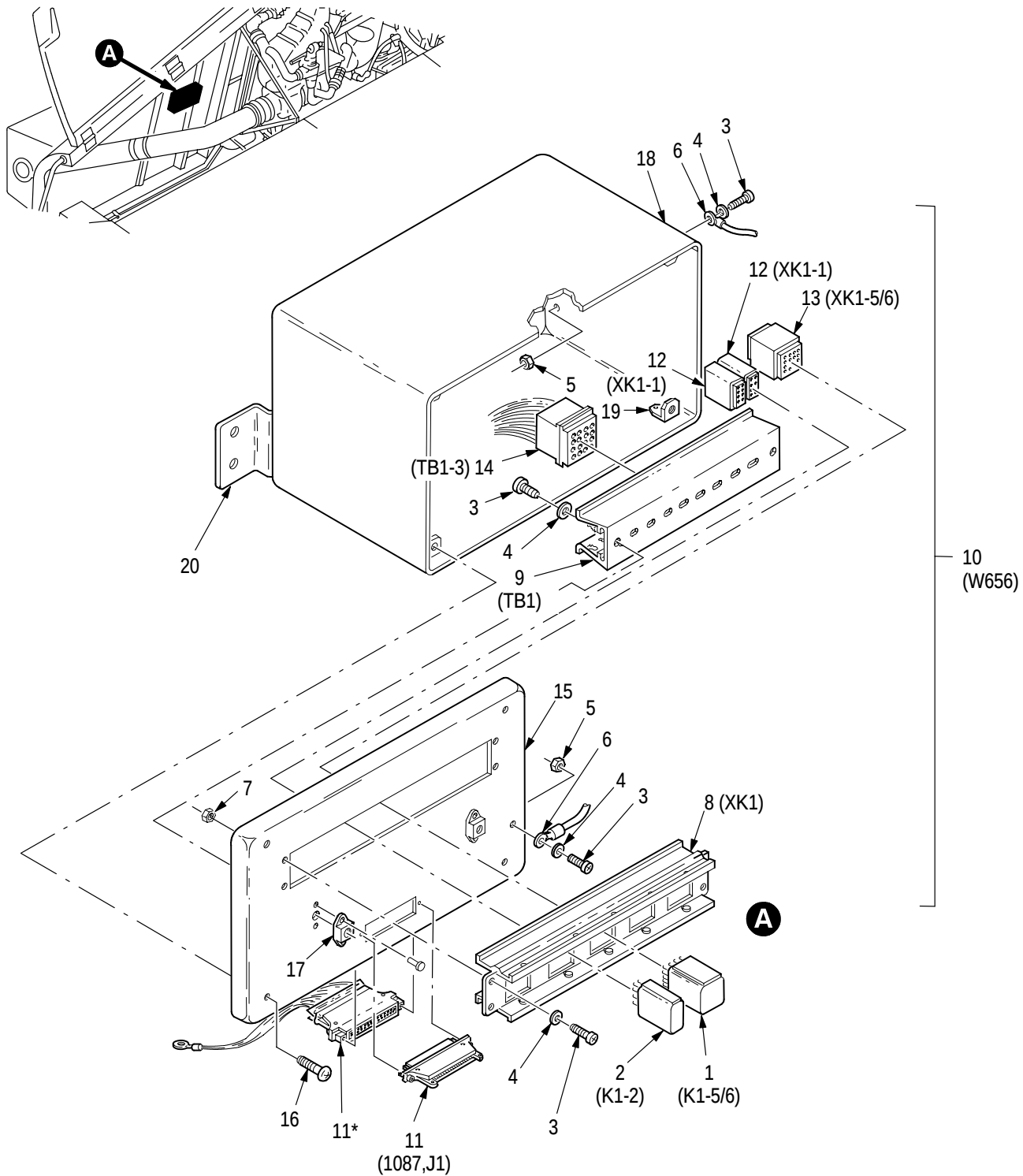


M09-960C

Figure 661. Group 12 Sensing Head Installation, Ice Detector; Controller, De-Icing; Relay Box Assembly, Engine Anti-Ice

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 661 Sensing Head Installation,<br>Ice Detector; Controller, De-Icing;<br>Relay Box Assembly, Engine Anti-Ice |            |
| 1                  | PAOZZ              | 96906       | MS51958-64         | • Screw, Machine .....                                                                                                                        | 4          |
| 2                  | PAOZZ              | 88044       | AN960C10L          | • Washer, Flat .....                                                                                                                          | 4          |
| 3                  | PAOZZ              | 8V613       | 7-211A11100-3      | • Switch, Thermostatic .....                                                                                                                  | 1          |
| 4                  | PAOZZ              | 80205       | NAS603-18          | • Screw, Machine .....                                                                                                                        | 4          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                                                          | 4          |
| 6                  | PAODD              | 8V613       | 7-311A10023-7      | • Controller, De-Icing .....                                                                                                                  | 1          |
| 7                  | PAOZZ              | 80205       | NAS6203-3          | • Bolt, Shear .....                                                                                                                           | 4          |
| 8                  | PAOFF              | 8V613       | 7-311B25159-3      | • Relay Assembly (See Fig. 662 for Breakdown) .....                                                                                           | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                               |            |



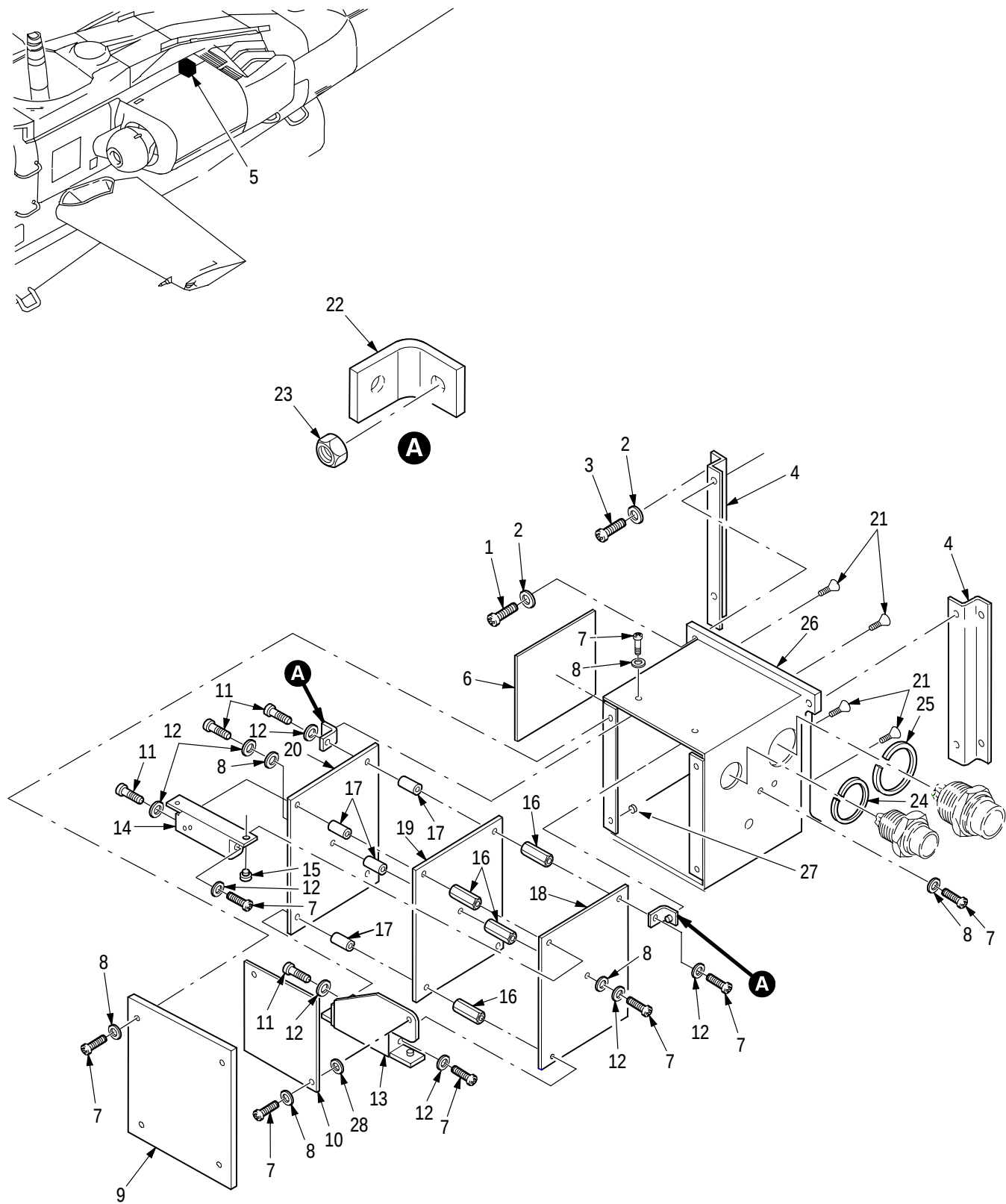


\* SUPPLIED WITH ATTACHED ITEM

M09-1139B

Figure 662. Group 12 Relay Assembly, Engine Anti-Ice  
7-311B25159-3

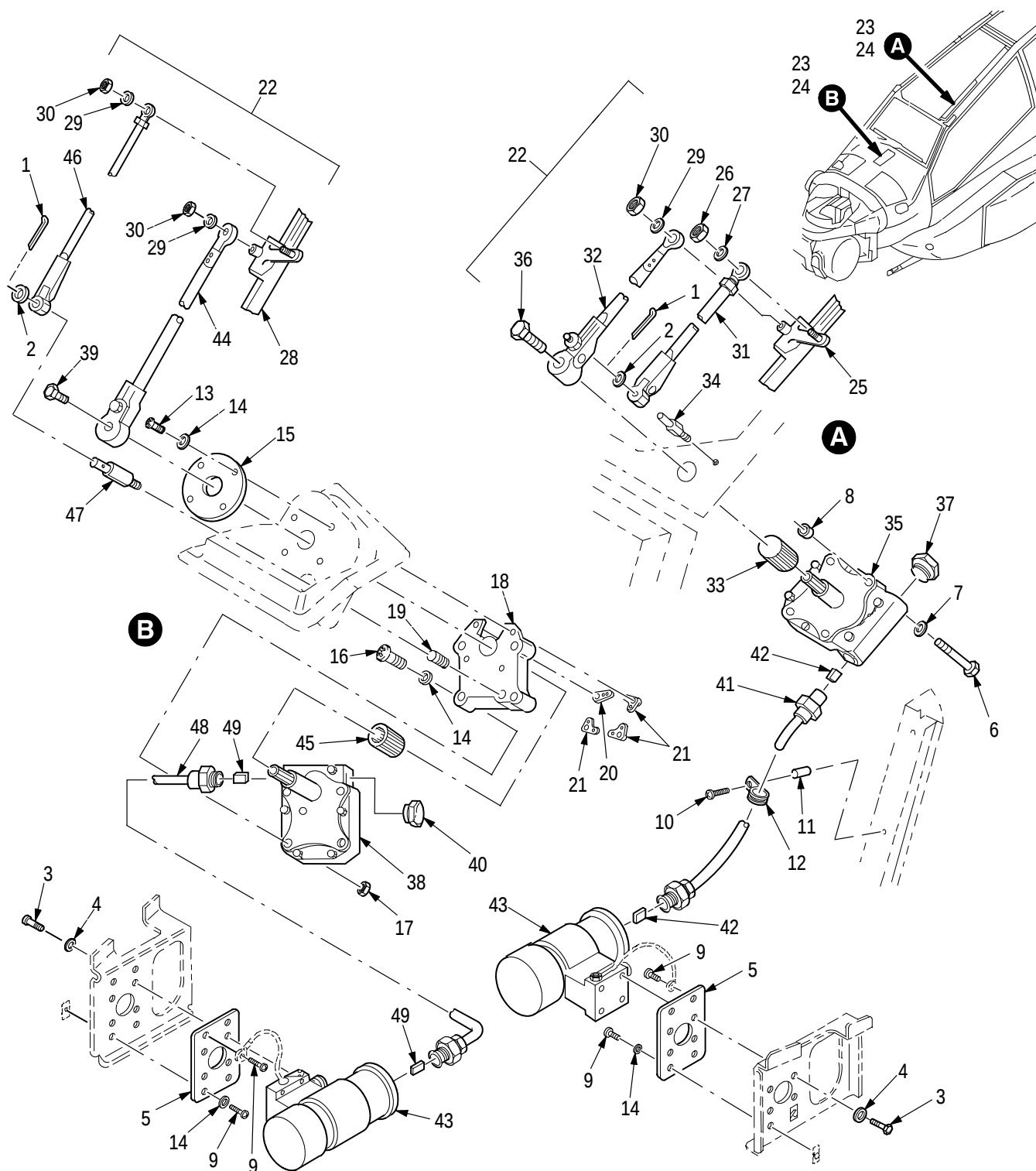
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 662 Relay Assembly, Engine Anti-Ice<br>7-311B25159-3<br>See Fig. 661 for NHA |            |
| 1                  | PAFZZ              | 02731       | HS4228-1101        | • Relay, Electromagnet .....                                                                                  | 1          |
| 2                  | PAFZZ              | 02731       | HS4235-1101        | • Relay, Electromagnet .....                                                                                  | 2          |
| 3                  | PAFZZ              | 80205       | NAS603-7P          | • Screw, Machine .....                                                                                        | 8          |
| 4                  | PAFZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                          | 8          |
| 5                  | PAFZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                                                 | 2          |
| 6                  | XDFZZ              | 81349       | M83413/8-A06BB     | • Lead, Electrical .....                                                                                      | 1          |
| 7                  | PAFZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                                 | 4          |
| 8                  | PAFZZ              | 02731       | HS4785-310         | • Retainer, Socket, Plu .....                                                                                 | 1          |
| 9                  | PAFZZ              | 02731       | HS4778-310         | • Rack, Electronic Jun .....                                                                                  | 1          |
| 10                 | XDFFF              | 8V613       | 7-311B24656-003    | • Wire Harness .....                                                                                          | 1          |
| 11                 | MFFZZ              | 02731       | HS5239A2110        | • • Connector, Receptacl .....                                                                                | 1          |
| 12                 | PAFZZ              | 02731       | HS4791-1           | • • Terminal Junction B .....                                                                                 | 2          |
| 13                 | PAFZZ              | 02731       | HS4791-4           | • • Contact, Electrical Socket .....                                                                          | 1          |
| 14                 | PAFZZ              | 81755       | C8713-20-111       | • • Terminal Junction B .....                                                                                 | 1          |
| 15                 | XDFFF              | 8V613       | 7-311B25158-7      | • Cover Assy, Relay Bo .....                                                                                  | 1          |
| 16                 | PAFZZ              | 02731       | HS4103-10A-3       | • • Screw Assembly, Pane .....                                                                                | 4          |
| 17                 | PAFZZ              | 80205       | MS21075L3E         | • • Nut, Self-Locking, Pl .....                                                                               | 2          |
| 18                 | XDFFF              | 8V613       | 7-311B25158-3      | • Housing Assy, Relay .....                                                                                   | 1          |
| 19                 | PAFZZ              | 02731       | HS4177-3           | • • Shield, Expansion .....                                                                                   | 4          |
| 20                 | PAFZZ              | 8V613       | 7-311B25158-11     | • • Bracket, Double Angl .....                                                                                | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                               |            |



M09-702G

Figure 663. Group 12 Signal Processor Unit Assembly, Ice Detector

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 663 Signal Processor Unit Assembly,<br>Ice Detector |            |
| 1                  | PAOZZ              | 80205       | NAS603-8P          | • Screw, Machine .....                                                               | 4          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                 | 8          |
| 3                  | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....                                                               | 12         |
| 4                  | MFOZZ              | 8V613       | 7-311A11105-9      | • Bracket, Double Angl .....                                                         | 2          |
| 5                  | PAOFF              | 8V613       | 7-211A11103-5      | • Signal Processor Un .....                                                          | 1          |
| 6                  | XDFZZ              | 59885       | 00524-0312-0001    | • • Plate, Ident .....                                                               | 1          |
| 7                  | PAFZZ              | 96906       | MS35206-214        | • • Screw, Machine .....                                                             | 17         |
| 8                  | PAFZZ              | 80205       | NAS620-4L          | • • Washer, Flat .....                                                               | 14         |
| 9                  | XDFZZ              | 59885       | 00524-0170-0001    | • • Cover, Access .....                                                              | 1          |
| 10                 | PAFZZ              | 59885       | 00524-0354-0001    | • • Circuit Card Assemb .....                                                        | 1          |
| 11                 | PAFZZ              | 96906       | MS35206-221        | • • Screw, Machine .....                                                             | 5          |
| 12                 | PAFZZ              | 96906       | MS35338-40         | • • Washer, Lock .....                                                               | 10         |
| 13                 | PAFZZ              | 59885       | 00524-0347-0001    | • • Bracket, Double Angl .....                                                       | 1          |
| 14                 | PAFZZ              | 59885       | 00524-0348-0001    | • • Bracket, Double Angl .....                                                       | 1          |
| 15                 | PAFZZ              | 72962       | F22NCFMA2-40       | • • • Nut, Self-Locking, Cl .....                                                    | 3          |
| 16                 | PAFZZ              | 06540       | 8110-A-0440-1B     | • • Post, Electrical-Mec .....                                                       | 5          |
| 17                 | PAFZZ              | 06540       | 9214-A-115-1B      | • • Spacer, Sleeve .....                                                             | 5          |
| 18                 | PAFZZ              | 59885       | 00524-0352-0001    | • • Circuit Card Assemb .....                                                        | 1          |
| 19                 | PAFZZ              | 59885       | 00524-0331-0001    | • • Circuit Card Assemb .....                                                        | 1          |
| 20                 | PAFZZ              | 59885       | 00524-0333-0001    | • • Circuit Card Assemb .....                                                        | 1          |
| 21                 | PAFZZ              | 96906       | MS24693S3          | • • Screw, Machine .....                                                             | 4          |
| 22                 | PAFFF              | 59885       | 00524-0166-0001    | • • Bracket, Angle .....                                                             | 8          |
| 23                 | PAFZZ              | 72962       | F22NCFMA2-40       | • • • Nut, Self-Locking, Cl .....                                                    | 1          |
| 24                 | PAFZZ              | 59885       | 00524-0173-0002    | • • Ring, Retaining .....                                                            | 1          |
| 25                 | PAFZZ              | 59885       | 00524-0173-0001    | • • Ring, Retaining .....                                                            | 1          |
| 26                 | XDFFF              | 59885       | 00524-0149-0001    | • • Housing Assembly .....                                                           | 1          |
| 27                 | PAFZZ              | 81349       | M45938/5-3         | • • • Nut, Self-Locking, Cl .....                                                    | 4          |
| 28                 | PAFZZ              | 04274       | C10347-0086-0205   | • • • Washer, Flat .....                                                             | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                      |            |



M09-679L

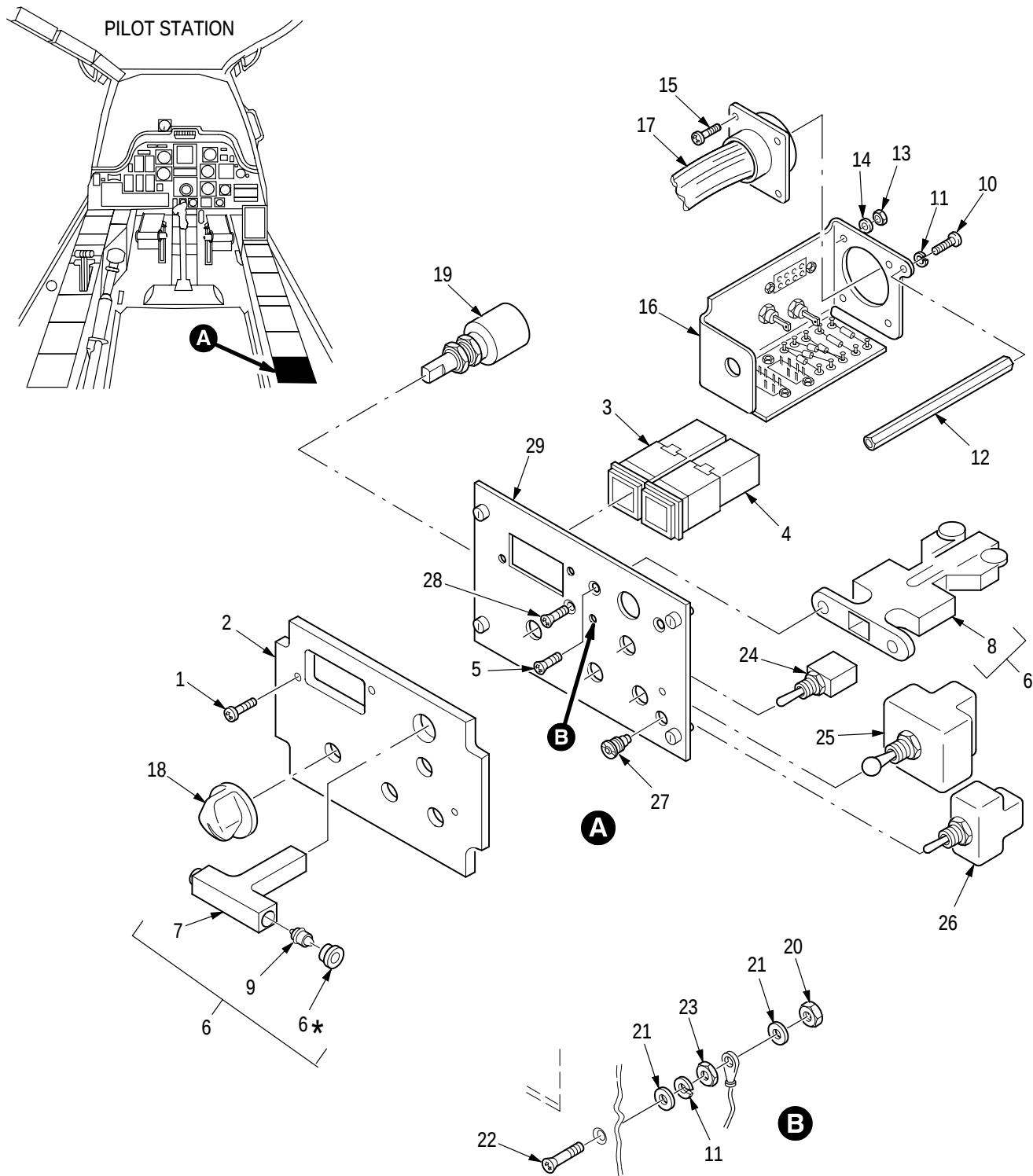
Figure 664. Group 12 Windshield Wiper Installation  
7-311180100

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 664 Windshield Wiper Installation<br>7-311180100 |            |
| 1                  | PAOZZ              | 10001       | AN381-2-8          | • Pin, Cotter .....                                                               | 2          |
| 2                  | PAOZZ              | 88044       | AN960XC416L        | • Washer, Flat .....                                                              | 2          |
| 3                  | PAOZZ              | 80205       | NAS1304-2H         | • Bolt, Shear .....                                                               | 8          |
| 4                  | PAOZZ              | 02731       | HS4244C4           | • Washer, Flat .....                                                              | 8          |
| 5                  | XDOZZ              | 8V613       | 7-311180074        | • Plate, Adapter .....                                                            | 2          |
| 6                  | PAOZZ              | 80205       | NAS6603H24         | • Bolt, Shear .....                                                               | 3          |
| 7                  | PAOZZ              | 02731       | HS4244C3           | • Washer, Flat .....                                                              | 3          |
| 8                  | PAOZZ              | 80205       | NAS43DD3-19        | • Spacer, Sleeve .....                                                            | 3          |
| 9                  | PAOZZ              | 80205       | NAS623-3-2         | • Screw, Machine .....                                                            | 8          |
| 10                 | PAOZZ              | 80205       | NAS603-12P         | • Screw, Machine .....                                                            | 1          |
| 11                 | PAOZZ              | 80205       | NAS43DD3-16        | • Spacer, Sleeve .....                                                            | 1          |
| 12                 | PAOZZ              | 96906       | MS21919WG5         | • Clamp, Loop .....                                                               | 2          |
| 13                 | PAOZZ              | 80205       | NAS623-3-4         | • Screw, Machine .....                                                            | 4          |
| 14                 | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                              | 20         |
| 15                 | XDOZZ              | 8V613       | 7-111151202        | • Cover, Seal, Winshiel .....                                                     | 1          |
| 16                 | PAOZZ              | 80205       | NAS1203-36         | • Screw, Close Toleran .....                                                      | 4          |
| 17                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                     | 4          |
| 18                 | XDOOO              | 8V613       | 7-311180101-7      | • Adapter Assy, Conver .....                                                      | 1          |
| 19                 | PAOZZ              | 96906       | MS51830-201L       | • • Insert, Screw Thread .....                                                    | 1          |
| 20                 | PAOZZ              | 96906       | MS21071L3          | • • Nut, Self-Locking, Pl .....                                                   | 1          |
| 21                 | PAOZZ              | 96906       | MS21073L3          | • • Nut, Self-Locking, Pl .....                                                   | 3          |
| 22                 | AOOOO              | 8V613       | 7-311180110        | • Windshield Wiper .....                                                          | 1          |
| 23                 | PAOOO              | 59885       | 2319M-1-1          | • • Windshield Wiper Kt .....                                                     | 1          |
| 24                 | PAOOO              | 59885       | 2319M-2-1          | • • Windshield Wiper Kt .....                                                     | 1          |
| 25                 | PAOOO              | 59885       | 2315M-63-4         | • • • Blade, Windshield Wi (U/O P/N 2319M-2-1) .....                              | 1          |
| 26                 | PAOZZ              | 96906       | MS21044B3          | • • • Nut, Self-Locking, He .....                                                 | 1          |
| 27                 | XDOZZ              | 59885       | C20885-0022        | • • • Washer, Flat .....                                                          | 1          |
| 28                 | PAOOO              | 59885       | 2315M-63-2         | • • • Blade, Wiper (U/O P/N 2319M-2-1) .....                                      | 1          |
| 29                 | XDOZZ              | 59885       | C20885-0022        | • • • Washer, Flat .....                                                          | 2          |
| 30                 | PAOZZ              | 96906       | MS21044B3          | • • • Nut, Self-Locking, He .....                                                 | 2          |
| 31                 | PBOZZ              | 59885       | 2314M-13-25        | • • • Link (U/O P/N 2319M-2-1) .....                                              | 1          |
| 32                 | PBOZZ              | 59885       | 2314M-10-36        | • • • Arm, Windshield Wipe (U/O P/N 2319M-2-1) .....                              | 1          |
| 33                 | PAOZZ              | 59885       | 02314-0011-0001    | • • • Spacer, Sleeve .....                                                        | 1          |
| 34                 | XDOZZ              | 59885       | 02314-0015-0002    | • • • Stud, Pivot (U/O P/N 2319M-1-1) .....                                       | 1          |
| 35                 | PAOZZ              | 59885       | 2312M-41-14        | • • • Converter (U/O P/N 2319M-1-1) .....                                         | 1          |
| 36                 | PAOZZ              | 96906       | MS20073-03-04      | • • • Bolt, Machine .....                                                         | 1          |
| 37                 | PAOZZ              | 59885       | 02312-0018-0001    | • • • Cap, Worm Gear End .....                                                    | 1          |
| 38                 | PAOOO              | 59885       | 2312M-41-9         | • • • Converter (U/O P/N 2319M-1-1) .....                                         | 1          |
| 39                 | PAOZZ              | 96906       | MS20073-03-04      | • • • Bolt, Machine .....                                                         | 1          |
| 40                 | PAOZZ              | 59885       | 02312-0018-0001    | • • • Cap, Worm Gear End .....                                                    | 1          |
| 41                 | PAOOO              | 59885       | 2317M-2-53         | • • • Drive, Flex (U/O P/N 2319M-1-1) .....                                       | 1          |
| 42                 | XDOZA              | 59885       | 02317-0004-0002    | • • • Coupling, Drive Shaft .....                                                 | 2          |
| 43                 | PAOZZ              | 59885       | 2311M-97-1         | • • • Motor (U/O P/N 2319M-1-1) .....                                             | 2          |
| 44                 | PBOZZ              | 59885       | 2314M-10-34        | • • • Arm (U/O P/N 2319M-2-1) .....                                               | 1          |
| 45                 | PAOZZ              | 59885       | 02314-0011-0001    | • • • Spacer, Sleeve .....                                                        | 1          |
| 46                 | PBOZZ              | 59885       | 2314M-13-22        | • • • Link (U/O P/N 2319M-2-1) .....                                              | 1          |
| 47                 | XDOZZ              | 59885       | 02314-0186-0001    | • • • Stud, Pivot (U/O P/N 2319M-1-1) .....                                       | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 48                 | PAOOO              | 59885       | 2317M-2-26         | ... Drive, Flex (U/O P/N 2319M-1-1) .....   | 1          |
| 49                 | XDOZA              | 59885       | 02317-0004-0002    | ... Coupling, Drive Shaft .....             | 2          |
| END OF FIGURE      |                    |             |                    |                                             |            |



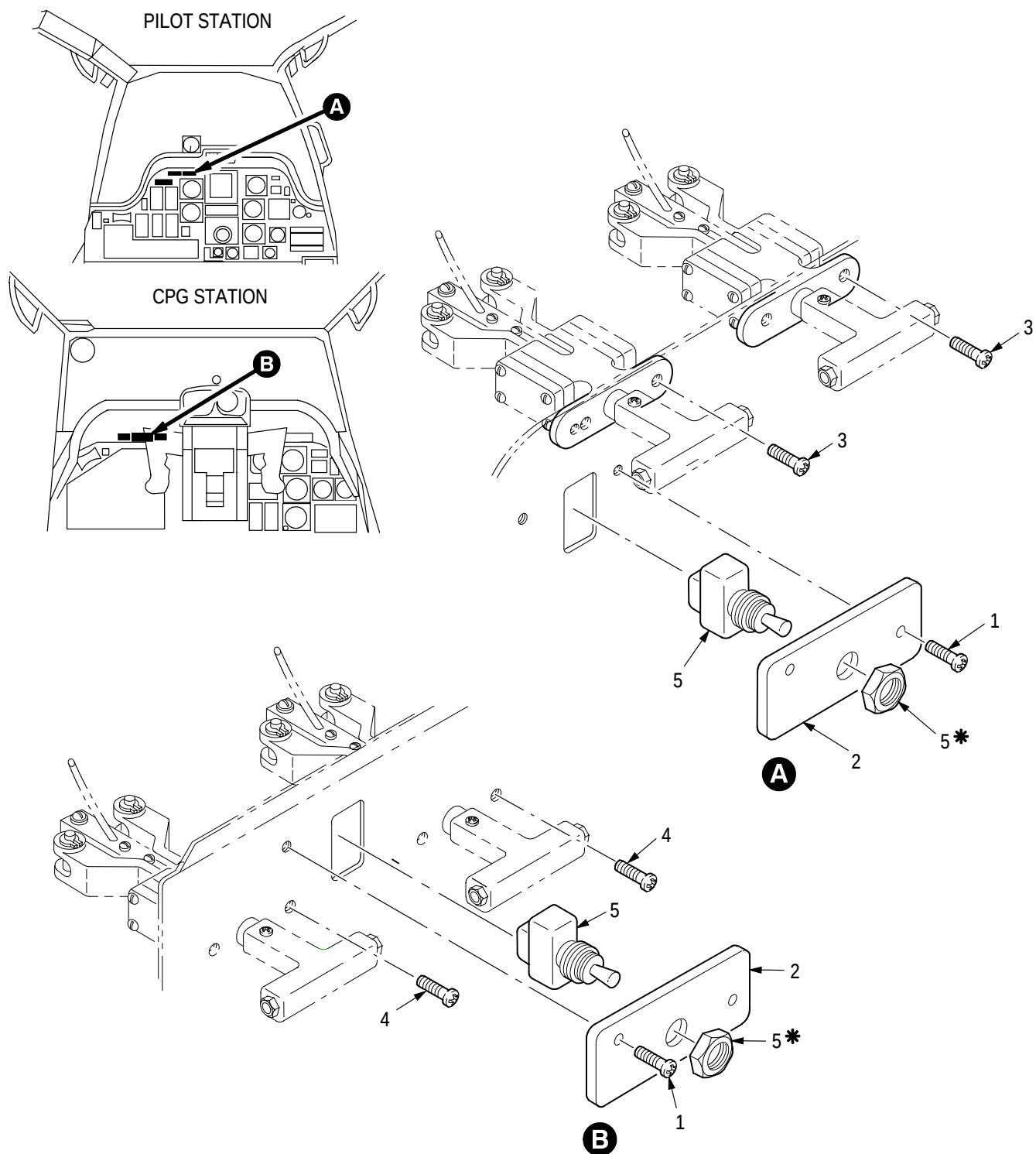




M09-831B

Figure 665. Group 12 Panel Assembly, Cockpit  
7-311650003-5

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 665 Panel Assembly, Cockpit<br>7-311650003-5<br>See Fig. 370 for NHA |            |
| 1                  | PAFZZ              | 80205       | NAS601-9P          | • Screw, Machine .....                                                                                | 3          |
| 2                  | PAOZZ              | 8V613       | 7-311650001        | • Panel, Indicating, Li .....                                                                         | 1          |
| 3                  | PAFZZ              | 02731       | HS5351-101-01      | • Indicator, Single Le .....                                                                          | 1          |
| 4                  | PAFZZ              | 02731       | HS5351-101-02      | • Indicator, Single Le .....                                                                          | 1          |
| 5                  | PAFZZ              | 96906       | MS24693S272        | • Screw, Machine .....                                                                                | 2          |
| 6                  | PAOOO              | 02731       | HS4167-7           | • Switch, Push-Pull .....                                                                             | 1          |
| 7                  | PAOZZ              | 02731       | HS4167-3           | • • Handle, Switch .....                                                                              | 1          |
| 8                  | PAOZZ              | 02731       | HS4167-4           | • • Switch, Push-Pull .....                                                                           | 1          |
| 9                  | PAOZZ              | 96906       | MS25237-327        | • • Lamp, Incandescent .....                                                                          | 2          |
| 10                 | PAFZZ              | 80205       | NAS601-6P          | • Screw, Machine .....                                                                                | 1          |
| 11                 | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock .....                                                                                  | 2          |
| 12                 | PAFZZ              | 80205       | NAS1786A06-60      | • Post, Electrical-Mec .....                                                                          | 1          |
| 13                 | PAFZZ              | 80205       | MS21042L04         | • Nut, Self-Locking, Ex .....                                                                         | 4          |
| 14                 | PAFZZ              | 88044       | AN960JD4L          | • Washer, Flat .....                                                                                  | 4          |
| 15                 | PAFZZ              | 80205       | NAS600-4P          | • Screw, Machine .....                                                                                | 4          |
| 16                 | PAFZZ              | 8V613       | 7-311650004-5      | • Circuit Card Assemb .....                                                                           | 1          |
| 17                 | PAFZZ              | 8V613       | 7-311B24616-007    | • Harness, Wiring .....                                                                               | 1          |
| 18                 | PAOZZ              | 02731       | HS4160-67          | • Knob .....                                                                                          | 1          |
| 19                 | PAFZZ              | 02731       | HS4196-2050        | • Switch, Rotary .....                                                                                | 1          |
| 20                 | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex .....                                                                         | 1          |
| 21                 | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat .....                                                                                  | 2          |
| 22                 | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine .....                                                                                | 1          |
| 23                 | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon .....                                                                           | 1          |
| 24                 | PAFZZ              | 96906       | MS90310-271        | • Switch, Toggle .....                                                                                | 1          |
| 25                 | PAFZZ              | 96906       | MS27409-2L         | • Switch, Toggle .....                                                                                | 1          |
| 26                 | PAFZZ              | 96906       | MS24523-32         | • Switch, Toggle .....                                                                                | 1          |
| 27                 | PAFZZ              | 96906       | MS90335-3          | • Connector, Receptacl .....                                                                          | 1          |
| 28                 | PAFZZ              | 02731       | HS4717-632-6       | • Screw, Machine .....                                                                                | 1          |
| 29                 | PAFZZ              | 8V613       | 7-311650002-5      | • Panel, Support, Auxil .....                                                                         | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                       |            |

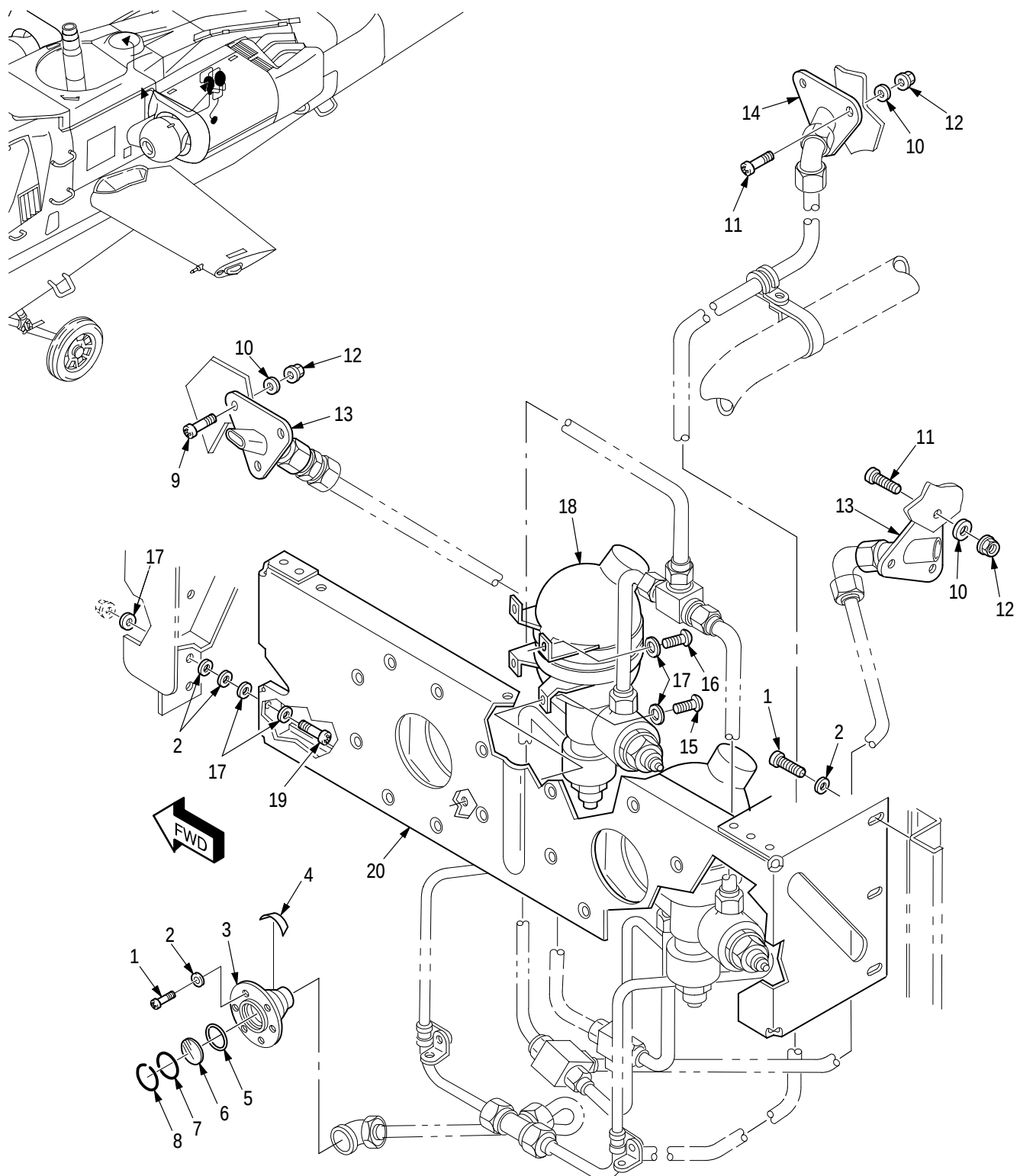


\* SUPPLIED WITH ATTACHED ITEM

M09-913H

Figure 666. Group 12 Fire Extinguishing System Installation (Cockpit Panels)  
7-311620010

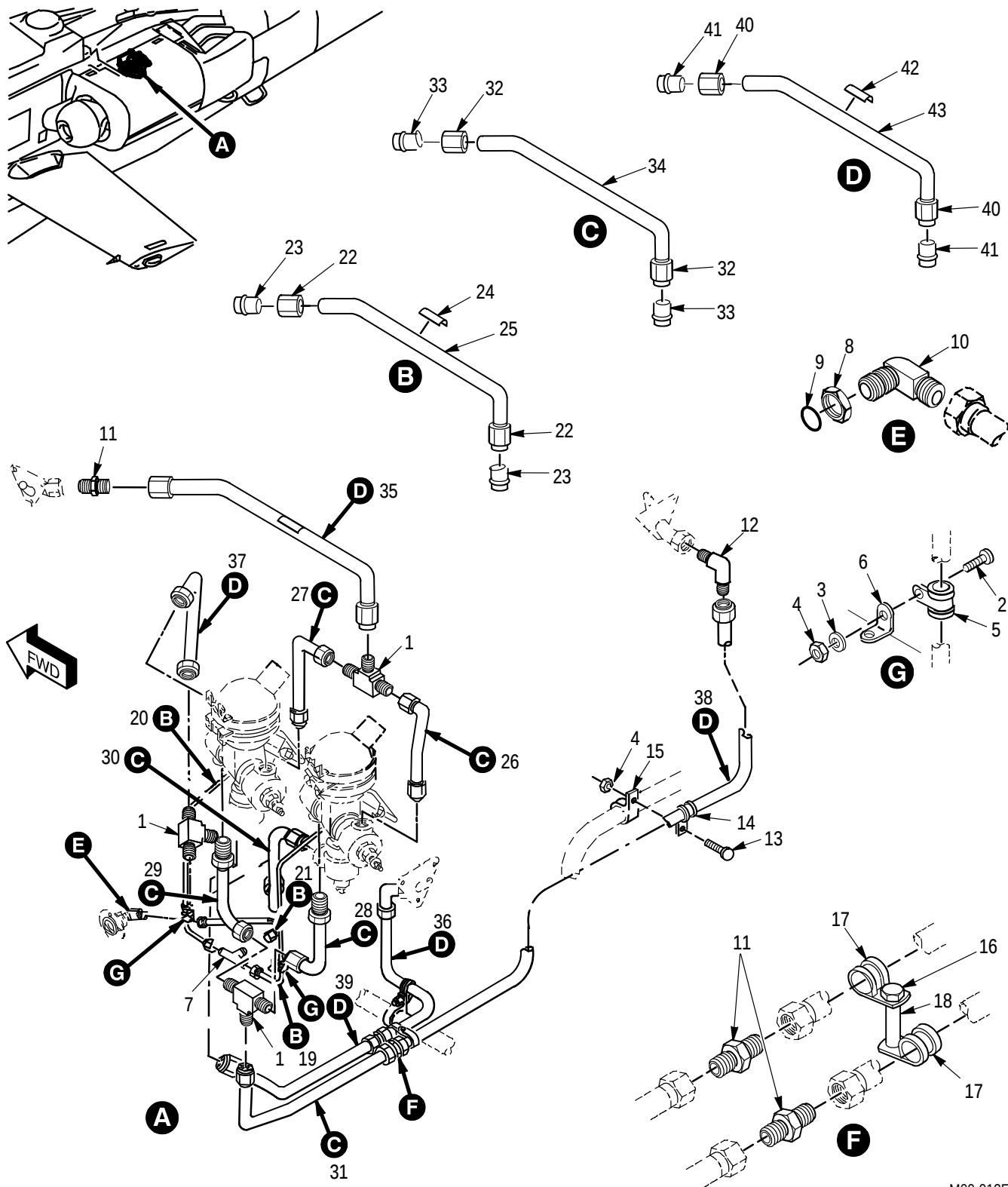
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 666 Fire Extinguishing System Installation<br>(Cockpit Panels)<br>7-311620010 |            |
| 1                  | PAOZZ              | 96906       | MS51957-32B        | • Screw, Machine .....                                                                                         | 2          |
| 2                  | PAOZZ              | 8V613       | 7-211622311        | • Panel, Indicating, Li .....                                                                                  | 1          |
| 3                  | XDOZZ              | 96906       | MS51958-64         | • Screw, Machine .....                                                                                         | 4          |
| 4                  | PAOZZ              | 96906       | MS24693-65B        | • Screw, Machine .....                                                                                         | 4          |
| 5                  | PAOZZ              | 96906       | MS24523-27         | Switch, Toggle .....                                                                                           | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                |            |



M09-911D

Figure 667. Group 12 Fire Extinguishing System Installation (Miscellaneous)  
7-311620010

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 667 Fire Extinguishing System Installation<br>(Miscellaneous)<br>7-311620010 |            |
| 1                  | PAOZZ              | 80205       | NAS1403-3          | • Screw, Machine .....                                                                                        | 6          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                          | 21         |
| 3                  | PAOOO              | 02731       | 7-117210002        | • Indicator-Thermal D .....                                                                                   | 1          |
| 4                  | XDOZZ              | 05167       | 13163              | • • Decal Nameplate .....                                                                                     | 1          |
| 5                  | PAOZZ              | 96906       | MS29513-017        | • • O-Ring .....                                                                                              | 1          |
| 6                  | PAOZZ              | 45402       | 13158              | • • Disk, Yellow, Indicat .....                                                                               | 1          |
| 7                  | PAOZZ              | 45402       | 13160              | • • Gasket .....                                                                                              | 1          |
| 8                  | PAOZZ              | 45402       | 13157              | • • Ring, Retaining .....                                                                                     | 1          |
| 9                  | PAOZZ              | 96906       | MS51958-61         | • Screw, Machine .....                                                                                        | 6          |
| 10                 | PAOZZ              | 88044       | AN960C10L          | • Washer, Flat .....                                                                                          | 9          |
| 11                 | PAOZZ              | 96906       | MS51958-62         | • Screw, Machine .....                                                                                        | 6          |
| 12                 | PAOZA              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....                                                                                 | 12         |
| 13                 | PAOZZ              | 8V613       | 7-117220006-1      | • Fitting .....                                                                                               | 2          |
| 14                 | PAOZZ              | 8V613       | 7-117220006-2      | • Fitting Assy .....                                                                                          | 1          |
| 15                 | PAOZZ              | 80205       | NAS603-7P          | • Screw, Machine .....                                                                                        | 7          |
| 16                 | PAOZZ              | 80205       | NAS1096-3-8        | • Screw, Machine .....                                                                                        | 2          |
| 17                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat .....                                                                                          | 16         |
| 18                 | XDOOO              | 8V613       | 7-311B26058-601    | • Fire Extinguisher A (See Fig. 670 for Breakdown) .....                                                      | 2          |
| 19                 | PAOZZ              | 80205       | NAS603-12P         | • Screw, Machine .....                                                                                        | 4          |
| 20                 | PAOZZ              | 8V613       | 7-117220001        | • Bracket, Support, Fue .....                                                                                 | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                               |            |



M09-912F

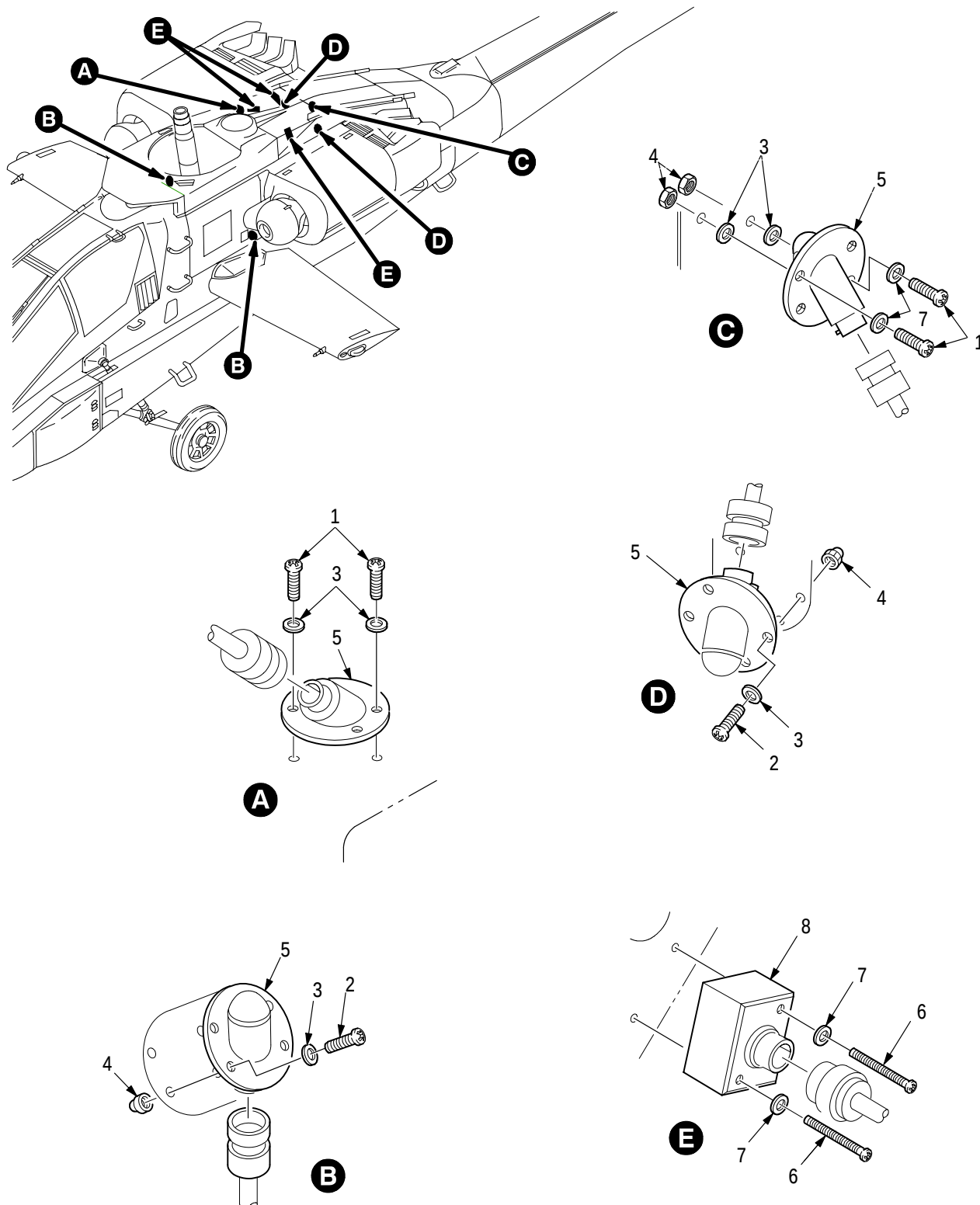
Figure 668. Group 12 Fire Extinguishing System Installation (Tubing)  
7-311620010

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 668 Fire Extinguishing System Installation<br>(Tubing)<br>7-311620010 |            |
| 1                  | PAOZZ              | 8V613       | 7-117210003        | • Valve, Stop-Check .....                                                                              | 3          |
| 2                  | PAOZZ              | 80205       | NAS603-7P          | • Screw, Machine .....                                                                                 | 7          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                   | 21         |
| 4                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                          | 5          |
| 5                  | PAOZZ              | 81349       | M85052/1-7         | • Clamp, Loop .....                                                                                    | 2          |
| 6                  | PAOZZ              | 88044       | AN743-12           | • Bracket, Angle .....                                                                                 | 2          |
| 7                  | PAOZZ              | 96906       | MS21905D4          | • Tee, Tube to Boss .....                                                                              | 1          |
| 8                  | PAOZZ              | 98897       | LS12906-184        | • Locknut, Tube, Fittin .....                                                                          | 1          |
| 9                  | PAOZZ              | 96906       | MS28778-4          | • O-Ring .....                                                                                         | 1          |
| 10                 | PAOZZ              | 96906       | MS21926-4D         | • Elbow, Tube .....                                                                                    | 1          |
| 11                 | PAOZZ              | 96906       | MS21902D10         | • Nipple, Boss .....                                                                                   | 3          |
| 12                 | PAOZZ              | 96906       | MS21904D10         | • Elbow, Tube .....                                                                                    | 2          |
| 13                 | PAOZZ              | 80205       | NAS1403-2          | • Screw, Machine .....                                                                                 | 1          |
| 14                 | PAOZZ              | 02731       | HS4501D10NB        | • Clamp, Loop .....                                                                                    | 1          |
| 15                 | PAOZZ              | 96906       | MS21919WCJ24       | • Clamp, Loop .....                                                                                    | 1          |
| 16                 | PAOZZ              | 80205       | NAS1403-23         | • Screw, Machine .....                                                                                 | 1          |
| 17                 | PAOZZ              | 02731       | HS4501D10NB        | • Clamp, Loop .....                                                                                    | 2          |
| 18                 | PAOZZ              | 80205       | NAS43DD3-77N       | • Spacer, Sleeve .....                                                                                 | 1          |
| 19                 | MFOFF              | 8V613       | 7-311620501        | • Tube Assy .....                                                                                      | 1          |
| 20                 | MFOFF              | 8V613       | 7-311620502        | • Tube Assy .....                                                                                      | 1          |
| 21                 | MFOFF              | 8V613       | 7-311620514-7      | • Tube Assy .....                                                                                      | 1          |
| 22                 | PAFZZ              | 96906       | MS21921-4D         | • • Nut, Tube Coupling .....                                                                           | 2          |
| 23                 | PAFZZ              | 96906       | MS21922-4          | • • Sleeve, Clinch, Tube .....                                                                         | 2          |
| 24                 | XDOZZ              | 02731       | HS4367-2           | • • Plate, Identificatio .....                                                                         | 1          |
| 25                 | MFFZZ              | 8V613       | 7-311620501-3      | • • Tube (U/O P/N 7-311620501) .....                                                                   | 1          |
| 25                 | MFFZZ              | 8V613       | 7-311620502-3      | • • Tube (U/O P/N 7-311620502) .....                                                                   | 1          |
| 25                 | MFFZZ              | 8V613       | 7-311620514-5      | • • Tube (U/O P/N 7-311620514-7) .....                                                                 | 1          |
| 26                 | PAOZZ              | 8V613       | 7-311620503        | • Tube Assembly, Metal .....                                                                           | 1          |
| 27                 | PAOZZ              | 8V613       | 7-311620504        | • Tube Assembly, Metal .....                                                                           | 1          |
| 28                 | PAOZZ              | 8V613       | 7-311620506        | • Tube Assembly, Metal .....                                                                           | 1          |
| 29                 | PAOZZ              | 8V613       | 7-311620507        | • Tube Assembly, Metal .....                                                                           | 1          |
| 30                 | PAOOO              | 8V613       | 7-311620510        | • Tube Assembly, Metal .....                                                                           | 1          |
| 31                 | PAOOO              | 8V613       | 7-311620512        | • Tube Assembly, Metal .....                                                                           | 1          |
| 32                 | PAOZZ              | 96906       | MS21921D10         | • • Nut, Tube Coupling .....                                                                           | 2          |
| 33                 | PAOZZ              | 96906       | MS21922-10         | • • Sleeve, Clinch, Tube .....                                                                         | 2          |
| 34                 | XAOZZ              | 8V613       | 7-311620503-3      | • • Tube (U/O P/N 7-311620503) .....                                                                   | 1          |
| 34                 | XAOZZ              | 8V613       | 7-311620504-3      | • • Tube (U/O P/N 7-311620504) .....                                                                   | 1          |
| 34                 | XAOZZ              | 8V613       | 7-311620506-3      | • • Tube (U/O P/N 7-311620506) .....                                                                   | 1          |
| 34                 | XAOZZ              | 8V613       | 7-311620507-3      | • • Tube (U/O P/N 7-311620507) .....                                                                   | 1          |
| 34                 | XAOZZ              | 8V613       | 7-311620510-3      | • • Tube (U/O P/N 7-311620510) .....                                                                   | 1          |
| 34                 | XAOZZ              | 8V613       | 7-311620512-3      | • • Tube (U/O P/N 7-311620512) .....                                                                   | 1          |
| 35                 | PAOOO              | 8V613       | 7-311620505        | • Tube Assembly, Metal .....                                                                           | 1          |
| 36                 | PAOOO              | 8V613       | 7-311620515-1      | • Tube Assembly, Metal .....                                                                           | 1          |
| 37                 | PAOOO              | 8V613       | 7-311620509        | • Tube Assembly, Metal .....                                                                           | 1          |
| 38                 | PAOOO              | 8V613       | 7-311620511        | • Tube Assembly, Metal .....                                                                           | 1          |
| 39                 | PAOOO              | 8V613       | 7-311620513        | • Tube Assembly, Metal .....                                                                           | 1          |
| 40                 | PAOZZ              | 96906       | MS21921D10         | • • Nut, Tube Coupling .....                                                                           | 2          |
| 41                 | PAOZZ              | 96906       | MS21922-10         | • • Sleeve, Clinch, Tube .....                                                                         | 2          |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 42                 | XDOZZ              | 02731       | HS4367-2           | • • Plate, Identificatio .....              | 1          |
| 43                 | XAOZZ              | 8V613       | 7-311620505-3      | • • Tube (U/O P/N 7-311620505) .....        | 1          |
| 43                 | XAOZZ              | 8V613       | 7-311620509-3      | • • Tube (U/O P/N 7-311620509) .....        | 1          |
| 43                 | XAOZZ              | 8V613       | 7-311620511-3      | • • Tube (U/O P/N 7-311620511) .....        | 1          |
| 43                 | XAOZZ              | 8V613       | 7-311620513-3      | • • Tube (U/O P/N 7-311620513) .....        | 1          |
| 43                 | XAOZZ              | 8V613       | 7-311620515-3      | • • Tube (U/O P/N 7-311620515-1) .....      | 1          |
| END OF FIGURE      |                    |             |                    |                                             |            |

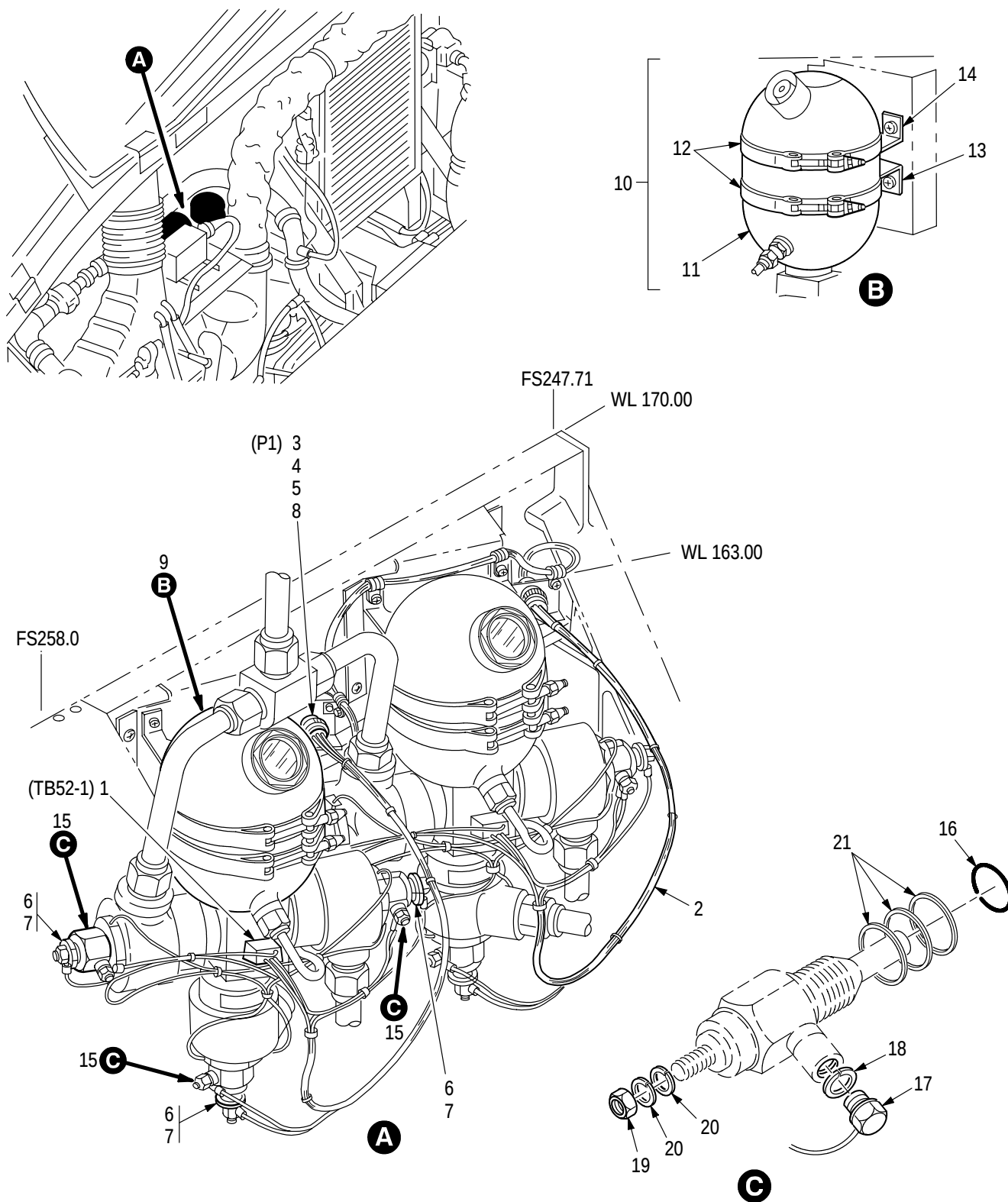




M09-914

Figure 669. Group 12 Fire Extinguishing System Installation (Detectors and Amplifiers)  
7-311620010

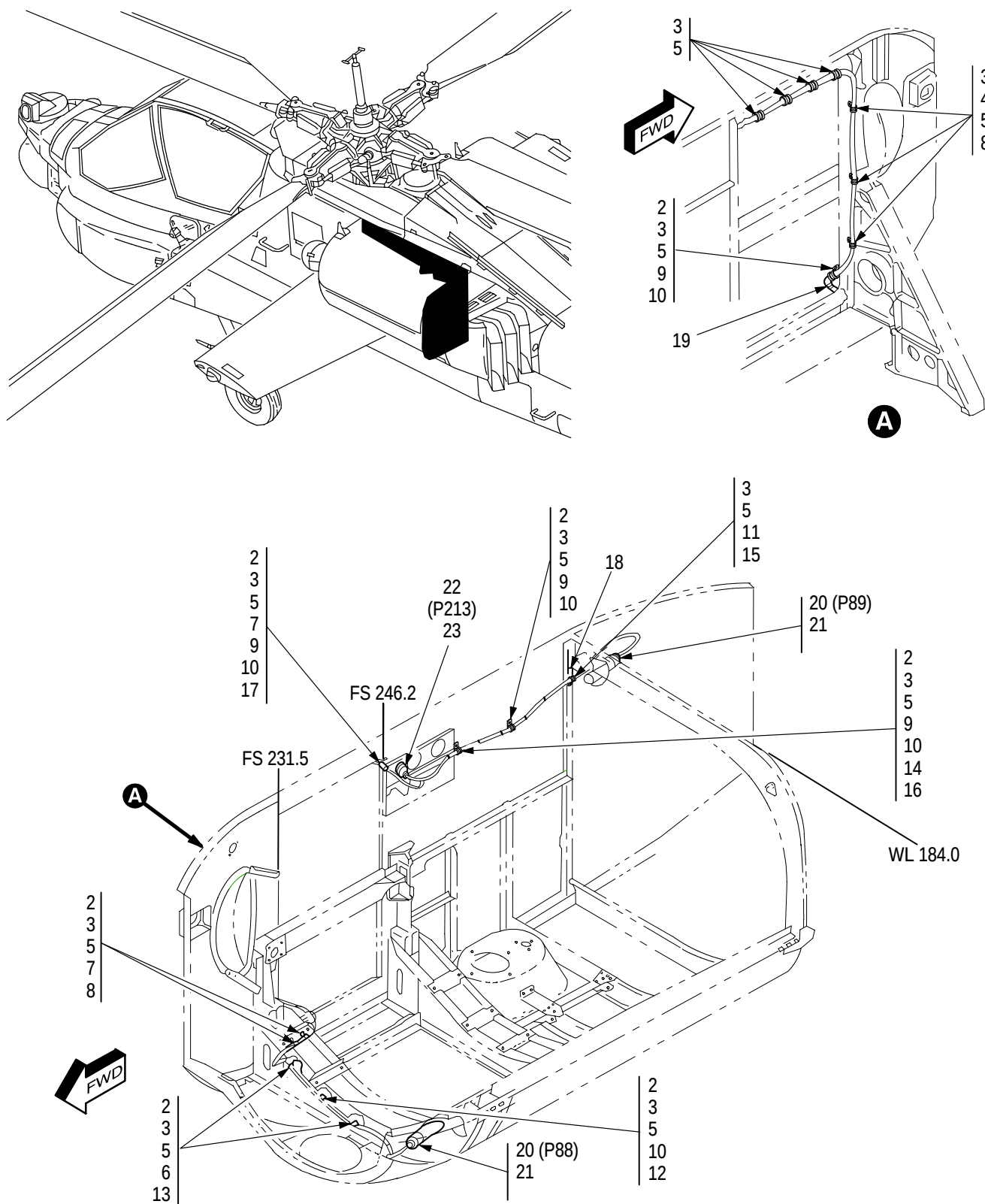
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 669 Fire Extinguishing System Installation<br>(Detectors and Amplifiers)<br>7-311620010 |            |
| 1                  | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....                                                                                                   | 4          |
| 2                  | PAOZZ              | 80205       | NAS603-7P          | • Screw, Machine .....                                                                                                   | 8          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                                     | 12         |
| 4                  | PAOZZ              | 96906       | MS21045-3          | • Nut, Self-Locking, He .....                                                                                            | 18         |
| 5                  | PAOZZ              | 8V613       | 7-117210034        | • Detector, Flame .....                                                                                                  | 6          |
| 6                  | PAOZZ              | 96906       | MS27039-0828       | • Screw, Machine .....                                                                                                   | 6          |
| 7                  | PAOZZ              | 88044       | AN960JD8L          | • Washer, Flat .....                                                                                                     | 6          |
| 8                  | PAOZZ              | 8V613       | 7-117210030        | • Control, Amplifier .....                                                                                               | 3          |
| END OF FIGURE      |                    |             |                    |                                                                                                                          |            |



M09-875F

Figure 670. Group 12 Fire Extinguisher, Aircraft 7-311B26058-601

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                 | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 670 Fire Extinguisher, Aircraft<br>7-311B26058-601<br>See Fig. 667 for NHA |            |
| 1                  | PAOZZ              | 02731       | HS4737-2004        | • Contact Assembly, EI Module .....                                                                         | 1          |
| 2                  | XDOOO              | 8V613       | 7-311B24221-009    | • Wire Harness .....                                                                                        | 1          |
| 3                  | PAOZA              | 81349       | M83723/76W1005N    | •• Connector, Plug, Elec .....                                                                              | 1          |
| 4                  | PAOZZ              | 02731       | HS5003-0706        | •• Adapter, Cable Clamp .....                                                                               | 1          |
| 5                  | PAOZZ              | 06090       | D-106-1012         | •• Splice, Conductor .....                                                                                  | 1          |
| 6                  | PAOZZ              | 96906       | MS25036-102        | •• Terminal, Lug .....                                                                                      | 3          |
| 7                  | PAOZZ              | 96906       | MS25036-149        | •• Terminal, Lug .....                                                                                      | 1          |
| 8                  | PAOZZ              | 81349       | M85049/31-10A      | •• Adapter, Cable Clamp .....                                                                               | 1          |
| 9                  | AOOOO              | 8V613       | 7-117210004-3      | • Extinguisher, Fire .....                                                                                  | 1          |
| 10                 | PAODD              | 45402       | 30205000-2         | • Extinguisher, Fire .....                                                                                  | 1          |
| 11                 | XAODD              | 05167       | 39040349-2         | ••• Extinguisher, Aircra .....                                                                              | 1          |
| 12                 | XDOZZ              | 96906       | MS21920-36         | •••• Clamp, Hose .....                                                                                      | 2          |
| 13                 | PAOZZ              | 45402       | 13265              | •••• Clip, Spring Tension .....                                                                             | 2          |
| 14                 | PAOZZ              | 02731       | HS5032-0003        | •••• Bracket, Angle .....                                                                                   | 2          |
| 15                 | PAOOO              | 30003       | 1512AS105          | •• Cartridge, Aircraft .....                                                                                | 3          |
| 16                 | PAOZZ              | 96906       | MS28778-5          | ••• O-Ring .....                                                                                            | 1          |
| 17                 | PAOZZ              | 80205       | NAS1802-08-5       | ••• Screw, Machine .....                                                                                    | 1          |
| 18                 | PAOZZ              | 96906       | MS35333-72         | ••• Washer, Lock .....                                                                                      | 2          |
| 19                 | PAOZZ              | 80205       | MS21044C06         | ••• Nut, Self-Locking, He .....                                                                             | 1          |
| 20                 | PAOZZ              | 96906       | MS35333-71         | ••• Washer, Lock .....                                                                                      | 2          |
| 21                 | PAOZZ              | 86928       | 5710-95-5          | •• Shim .....                                                                                               | 3          |
| END OF FIGURE      |                    |             |                    |                                                                                                             |            |

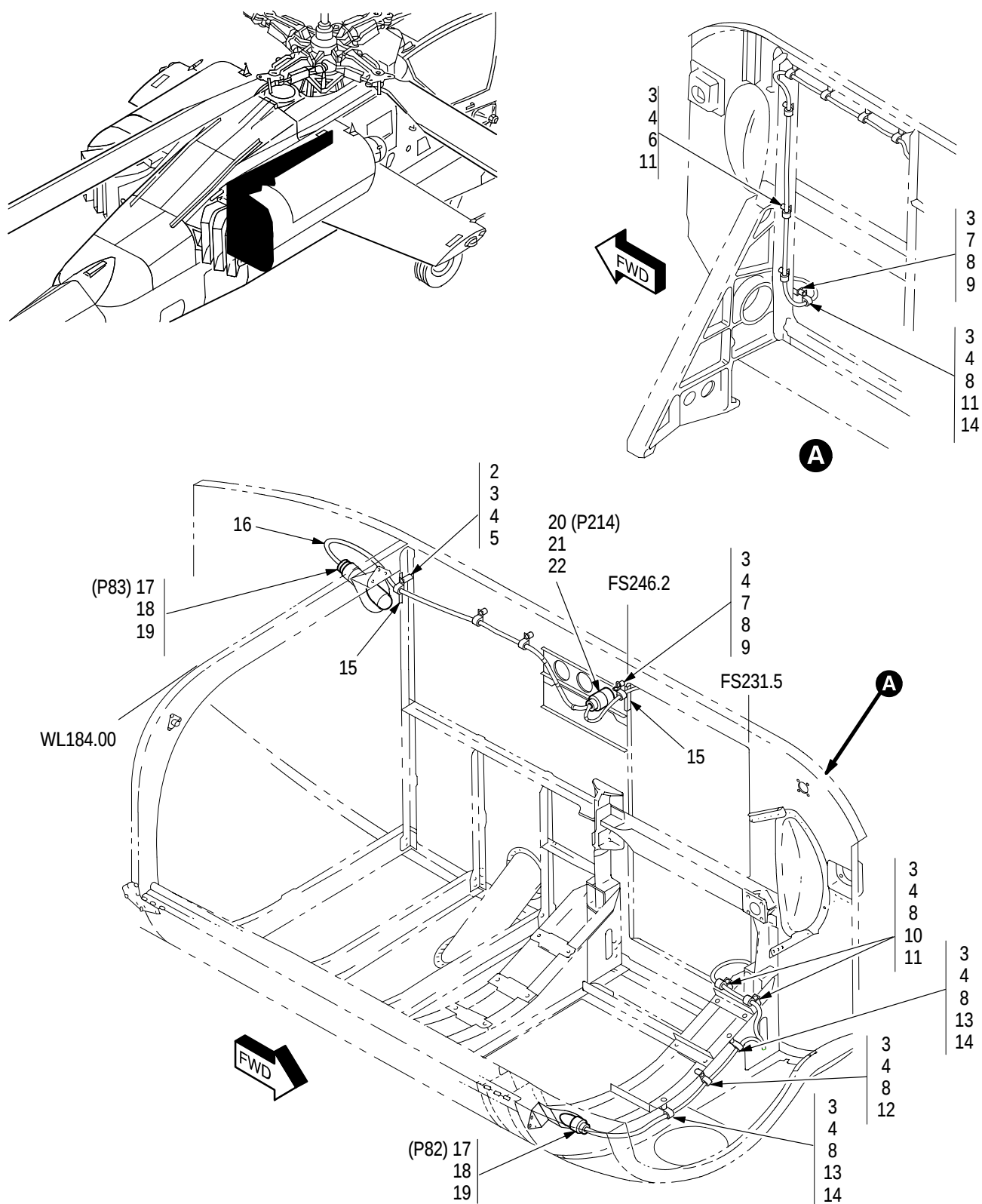


M09-856E

Figure 671. Group 12 Wiring Installation, LH Nacelle Fire Sensors

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 671 Wiring Installation,<br>LH Nacelle Fire Sensors |            |
| 1                  | XCOOO              | 8V613       | 7-311B26044        | • Wire Instl (Not Illustrated-Installation Drawing) . . . . .                        | 1          |
| 2                  | PAOZZ              | 80205       | MS21042L3          | • • Nut, Self-Locking, Ex . . . . .                                                  | 12         |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • • Washer, Flat . . . . .                                                           | 22         |
| 4                  | PAOZZ              | 96906       | MS51958-65         | • • Screw, Machine . . . . .                                                         | 7          |
| 5                  | PAOZZ              | 96906       | MS21919WH2         | • • Clamp, Loop . . . . .                                                            | 17         |
| 6                  | PAOZZ              | 80205       | NAS43DD3-24N       | • • Spacer, Sleeve . . . . .                                                         | 2          |
| 7                  | PAOZZ              | 96906       | MS51958-64         | • • Screw, Machine . . . . .                                                         | 3          |
| 8                  | PAOZZ              | 80205       | NAS43DD3-16        | • • Spacer, Sleeve . . . . .                                                         | 10         |
| 9                  | PAOZZ              | 96906       | MS51958-63         | • • Screw, Machine . . . . .                                                         | 6          |
| 10                 | PAOZZ              | 88044       | AN743Z12           | • • Bracket, Angle . . . . .                                                         | 5          |
| 11                 | PAOZZ              | 96906       | MS51958-68         | • • Screw, Machine . . . . .                                                         | 1          |
| 12                 | PAOZZ              | 96906       | MS51958-62         | • • Screw, Machine . . . . .                                                         | 2          |
| 13                 | PAOZZ              | 96906       | MS51958-66         | • • Screw, Machine . . . . .                                                         | 2          |
| 14                 | PAOZZ              | 96906       | MS51958-67         | • • Screw, Machine . . . . .                                                         | 1          |
| 15                 | PAOZZ              | 80205       | NAS43DD3-48        | • • Spacer, Sleeve . . . . .                                                         | 1          |
| 16                 | PAOZZ              | 80205       | NAS43DD3-32N       | • • Spacer, Sleeve . . . . .                                                         | 1          |
| 17                 | PAOZZ              | 80205       | NAS43DD3-8N        | • • Spacer, Sleeve . . . . .                                                         | 1          |
| 18                 | PAOZZ              | 96906       | MS21266-1N         | • • Grommet, Nonmetallic . . . . .                                                   | V          |
| 19                 | XCOOO              | 8V613       | 7-311B24149-003    | • Wire Harness W149 . . . . .                                                        | 1          |
| 20                 | XDOZZ              | 96906       | MS3476W10-6S       | • • Connector, Plug, Elec . . . . .                                                  | 2          |
| 21                 | XDOZZ              | 81349       | M85049/31-10A      | • • Adapter, Cable Clamp . . . . .                                                   | 2          |
| 22                 | PAOZZ              | 81349       | M83723/96W1212N    | • • Connector, Plug, Elec . . . . .                                                  | 1          |
| 23                 | PAOZZ              | 81349       | M85049/31-12A      | • • Adapter, Cable Clamp . . . . .                                                   | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                      |            |

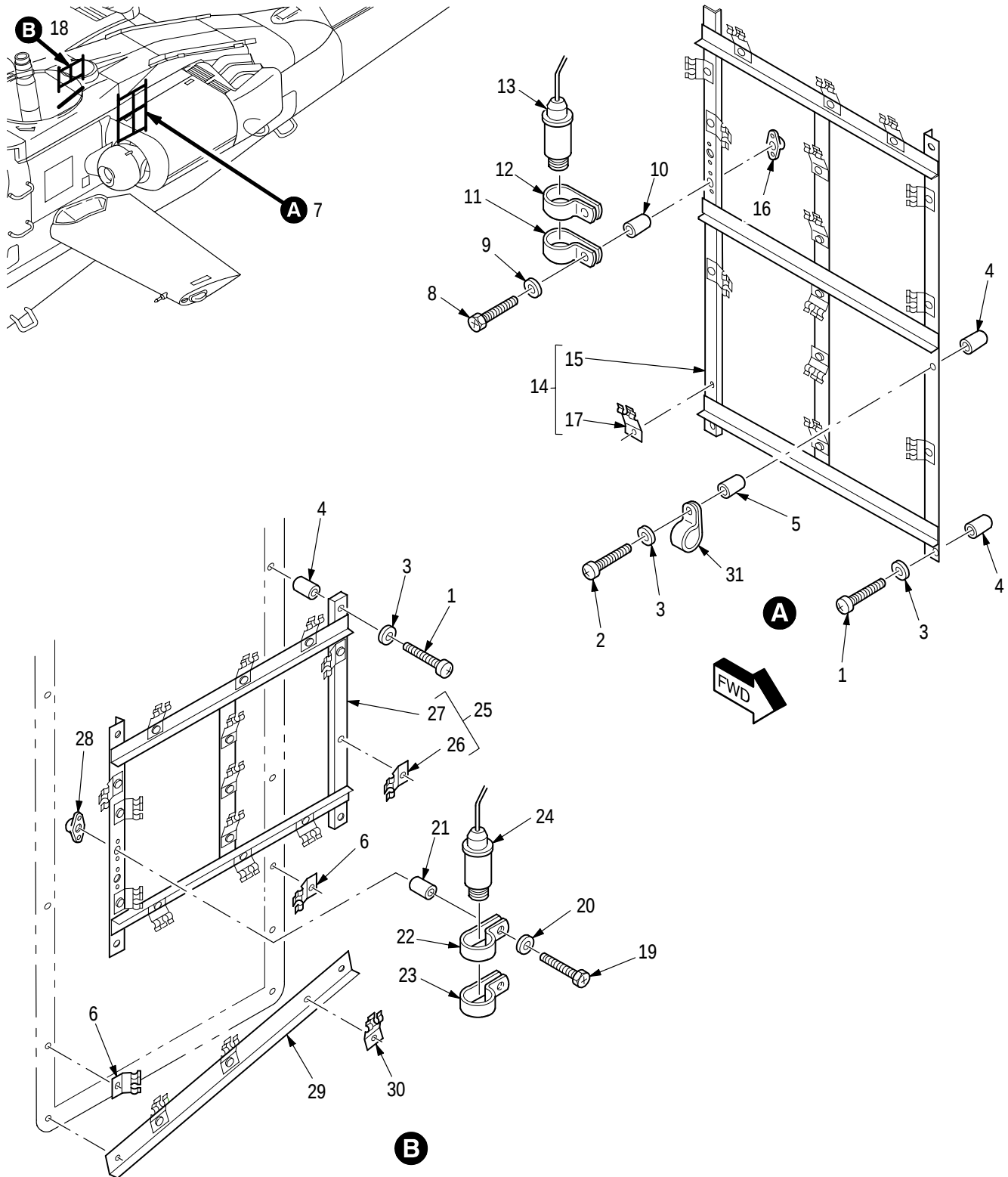




M09-857E

Figure 672. Group 12 Wiring Installation, RH Nacelle Fire Sensors

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 672 Wiring Installation,<br>RH Nacelle Fire Sensors |            |
| 1                  | XCOOO              | 8V613       | 7-311B26045        | • Wire Instl (Not Illustrated-Installation Drawing) . . . . .                        | 1          |
| 2                  | PAOZZ              | 96906       | MS51958-68         | •• Screw, Machine . . . . .                                                          | 1          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | •• Washer, Flat . . . . .                                                            | 20         |
| 4                  | PAOZZ              | 96906       | MS21919WH2         | •• Clamp, Loop . . . . .                                                             | 17         |
| 5                  | PAOZZ              | 80205       | NAS43DD3-48        | •• Spacer, Sleeve . . . . .                                                          | 1          |
| 6                  | PAOZZ              | 96906       | MS51958-65         | •• Screw, Machine . . . . .                                                          | 10         |
| 7                  | PAOZZ              | 96906       | MS51958-63         | •• Screw, Machine . . . . .                                                          | 2          |
| 8                  | PAOZZ              | 80205       | MS21042L3          | •• Nut, Self-Locking, Ex . . . . .                                                   | 10         |
| 9                  | PAOZZ              | 88044       | AN743Z12           | •• Bracket, Angle . . . . .                                                          | 3          |
| 10                 | PAOZZ              | 96906       | MS51958-64         | •• Screw, Machine . . . . .                                                          | 2          |
| 11                 | PAOZZ              | 80205       | NAS43DD3-16        | •• Spacer, Sleeve . . . . .                                                          | 13         |
| 12                 | PAOZZ              | 96906       | MS51958-62         | •• Screw, Machine . . . . .                                                          | 2          |
| 13                 | PAOZZ              | 80205       | NAS43DD3-24N       | •• Spacer, Sleeve . . . . .                                                          | 2          |
| 14                 | PAOZZ              | 96906       | MS51958-66         | •• Screw, Machine . . . . .                                                          | 3          |
| 15                 | PAOZZ              | 96906       | MS21266-1N         | •• Grommet, Nonmetallic . . . . .                                                    | V          |
| 16                 | XCOOO              | 8V613       | 7-311B24164-003    | • Wire Harness . . . . .                                                             | 1          |
| 17                 | XDOZZ              | 96906       | MS3476W10-6S       | •• Connector, Plug, Elec . . . . .                                                   | 2          |
| 18                 | XDOZZ              | 81349       | M85049/31-10A      | •• Adapter, Cable Clamp . . . . .                                                    | 2          |
| 19                 | PAOZZ              | 81349       | M39029/5-115       | •• Contact, Electrical . . . . .                                                     | 12         |
| 20                 | PAOZZ              | 81349       | M83723/96W1212N    | •• Connector, Plug, Elec . . . . .                                                   | 1          |
| 21                 | PAOZZ              | 81349       | M85049/31-12A      | •• Adapter, Cable Clamp . . . . .                                                    | 1          |
| 22                 | PAOZZ              | 81349       | M39029/4-110       | •• Contact, Electrical . . . . .                                                     | 12         |
| END OF FIGURE      |                    |             |                    |                                                                                      |            |



M09-1205A

Figure 673. Group 12 Fire/Overheat Detector and Frame Installation, Engine Firewall Louver

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 12 Utility Systems<br>Fig. 673 Fire/Overheat Detector and<br>Frame Installation, Engine Firewall Louver |            |
| 1                  | PAOZZ              | 96906       | MS51958-71         | • Screw, Machine .....                                                                                        | 11         |
| 2                  | PAOZZ              | 96906       | MS51958-72         | • Screw, Machine .....                                                                                        | 1          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                          | 78         |
| 4                  | PAOZZ              | 80205       | NAS43HT3-24        | • Spacer, Sleeve .....                                                                                        | 12         |
| 5                  | PAOZZ              | 80205       | NAS43HT3-8         | • Spacer, Sleeve .....                                                                                        | 1          |
| 6                  | PAOZZ              | 02731       | HS5530-0003        | • Clip, Spring Tension .....                                                                                  | 2          |
| 7                  | PAOOO              | 8V613       | 7-311650009        | • Bracket, Mounting LH .....                                                                                  | 1          |
| 8                  | PAOZZ              | 80205       | NAS1096-3-24       | •• Screw, Machine .....                                                                                       | 2          |
| 9                  | PAOZZ              | 88044       | AN960JD10L         | •• Washer, Flat .....                                                                                         | 2          |
| 10                 | PAOZZ              | 80205       | NAS43HT3-64        | •• Spacer, Sleeve .....                                                                                       | 2          |
| 11                 | PAOZZ              | 81349       | M85052/1-16        | •• Clamp, Loop .....                                                                                          | 1          |
| 12                 | PAOZZ              | 96906       | MS21333-13         | •• Clamp, Loop .....                                                                                          | 1          |
| 13                 | PAOZZ              | 8V613       | 7-311650006        | •• Sensing Element, Fir .....                                                                                 | 1          |
| 14                 | XDOOO              | 8V613       | 7-311650008        | •• Frame, Fire Detector .....                                                                                 | 1          |
| 15                 | XDOOO              | 8V613       | 7-311650008-7      | ••• Frame .....                                                                                               | 1          |
| 16                 | PAOZZ              | 80205       | MS21075L3E         | •••• Nut, Self-Locking, Pl .....                                                                              | 2          |
| 17                 | PAOZZ              | 02731       | HS5530-0001        | ••• Clip, Spring Tension .....                                                                                | 15         |
| 18                 | AOOOO              | 8V613       | 7-311650011        | • Frame Assembly RH .....                                                                                     | 1          |
| 19                 | PAOZZ              | 80205       | NAS1096-3-16       | •• Screw, Machine .....                                                                                       | 2          |
| 20                 | PAOZZ              | 88044       | AN960JD10L         | •• Washer, Flat .....                                                                                         | 2          |
| 21                 | PAOZZ              | 80205       | NAS43HT3-48        | •• Spacer, Sleeve .....                                                                                       | 2          |
| 22                 | PAOZZ              | 96906       | MS21333-13         | •• Clamp, Loop .....                                                                                          | 1          |
| 23                 | PAOZZ              | 81349       | M85052/1-16        | •• Clamp, Loop .....                                                                                          | 1          |
| 24                 | PAOZZ              | 8V613       | 7-311650006        | •• Sensing Element, Fir .....                                                                                 | 1          |
| 25                 | PAOOO              | 8V613       | 7-311650010        | •• Bracket, Mounting .....                                                                                    | 1          |
| 26                 | PAOZZ              | 02731       | HS5530-0001        | ••• Clip, Spring Tension .....                                                                                | 14         |
| 27                 | XAOOO              | 8V613       | 7-311650010-9      | ••• Frame .....                                                                                               | 1          |
| 28                 | PAOZZ              | 80205       | MS21075L3E         | •••• Nut, Self-Locking, Pl .....                                                                              | 2          |
| 29                 | PAOOO              | 8V613       | 7-311650010-11     | •• Panel, Structural, Ai .....                                                                                | 1          |
| 30                 | PAOZZ              | 02731       | HS5530-0001        | ••• Clip, Spring Tension .....                                                                                | 3          |
| 31                 | XDOZZ              | 96906       | MS21919WCJ12       | Clamp, Loop .....                                                                                             | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                               |            |

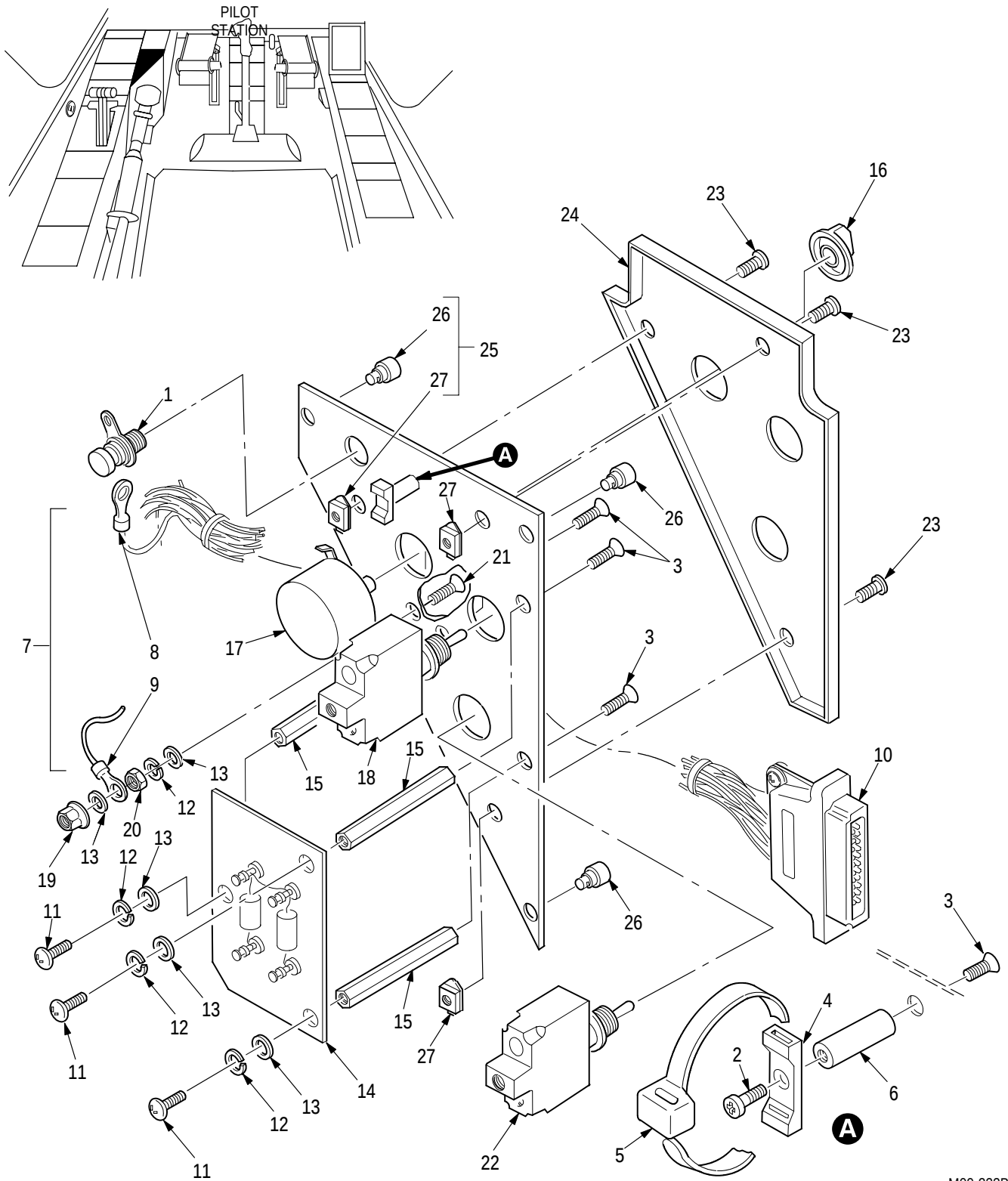
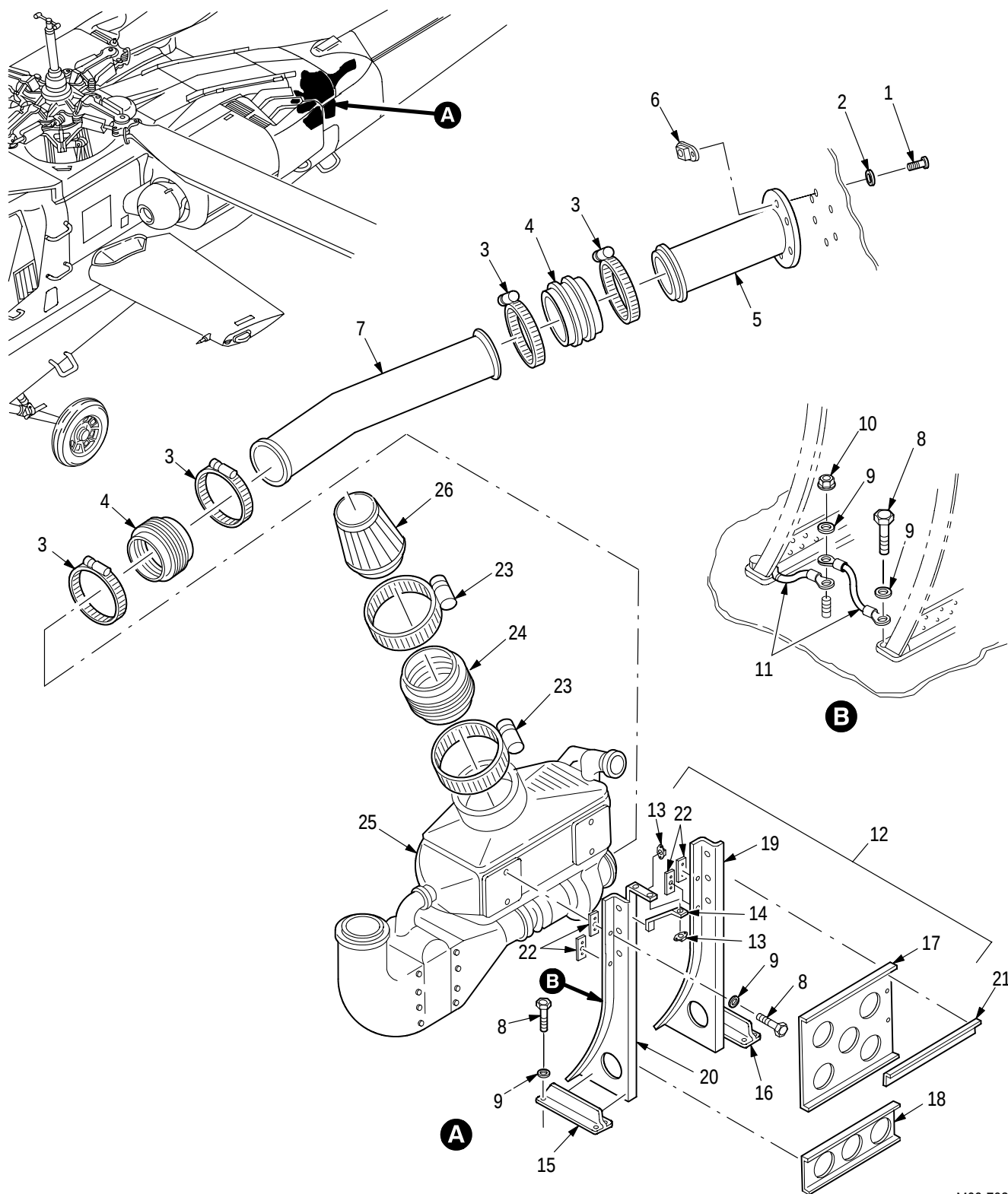


Figure 674. Group 13 Panel Assembly, Power Distribution, Pilot  
7-311A20012

M09-222B

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 674 Panel Assembly,<br>Power Distribution, Pilot<br>7-311A20012<br>See Fig. 370 for NHA |            |
| 1                  | PAFZA              | 96906       | MS90335-2          | • Connector, Receptacl . . . . .                                                                                                      | 1          |
| 2                  | PAFZZ              | 80205       | NAS1190-06P4       | • Screw, Cap, Socket He . . . . .                                                                                                     | 1          |
| 3                  | PAFZZ              | 96906       | MS24693S24         | • Screw, Machine . . . . .                                                                                                            | 4          |
| 4                  | PAFZZ              | 02731       | HS4271-1S6         | • Mounting Base, Tiedo . . . . .                                                                                                      | 1          |
| 5                  | PAFZZ              | 96906       | MS3367-4-0         | • Strap, Tiedown, Elect . . . . .                                                                                                     | 1          |
| 6                  | PAFZZ              | 80205       | NAS1786A06-16      | • Post, Electrical-Mec . . . . .                                                                                                      | 1          |
| 7                  | PAFFF              | 8V613       | 7-311B24609-003    | • Wire Harness . . . . .                                                                                                              | 1          |
| 8                  | PAFZZ              | 96906       | MS25036-148        | • • Terminal, Lug . . . . .                                                                                                           | 1          |
| 9                  | PAFZZ              | 96906       | MS25036-102        | • • Terminal, Lug . . . . .                                                                                                           | 9          |
| 10                 | XDFZZ              | 02731       | HS5239A1110W       | • • Connector, Plug, Elec . . . . .                                                                                                   | 1          |
| 11                 | PAFZZ              | 80205       | NAS601-6B          | • Screw, Machine . . . . .                                                                                                            | 3          |
| 12                 | PAFZZ              | 96906       | MS35338-41         | • Washer, Lock . . . . .                                                                                                              | 7          |
| 13                 | PAFZZ              | 88044       | AN960JD6L          | • Washer, Flat . . . . .                                                                                                              | 5          |
| 14                 | PAFZZ              | 8V613       | 7-311A20055        | • Resistor Assembly . . . . .                                                                                                         | 1          |
| 15                 | PAFZZ              | 80205       | NAS1786A06-29      | • Post, Electrical-Mec . . . . .                                                                                                      | 3          |
| 16                 | PAOZZ              | 02731       | HS4160-72          | • Knob . . . . .                                                                                                                      | 1          |
| 17                 | PAFZZ              | 81349       | RV4NAYSD502A       | • Resistor, Variable, N . . . . .                                                                                                     | 1          |
| 18                 | PAFZZ              | 96906       | MS24523-22         | • Switch, Toggle . . . . .                                                                                                            | 1          |
| 19                 | PAFZZ              | 80205       | MS21042L06         | • Nut, Self-Locking, Ex . . . . .                                                                                                     | 1          |
| 20                 | PAFZZ              | 80205       | NAS671C6           | • Nut, Plain, Hexagon . . . . .                                                                                                       | 1          |
| 21                 | PAFZZ              | 96906       | MS24693S30         | • Screw, Machine . . . . .                                                                                                            | 1          |
| 22                 | PAFZZ              | 96906       | MS24523-23         | • Switch, Toggle . . . . .                                                                                                            | 1          |
| 23                 | PAFZZ              | 96906       | MS51957-29B        | • Screw, Machine . . . . .                                                                                                            | 3          |
| 24                 | PAOZZ              | 8V613       | 7-311A20010        | • Panel, Indicating, Li . . . . .                                                                                                     | 1          |
| 25                 | PAFFF              | 8V613       | 7-311A20051        | • Support Panel, Cons . . . . .                                                                                                       | 1          |
| 26                 | PAFZZ              | 02731       | HS4148-1           | • • Stud Assembly, Turnl . . . . .                                                                                                    | 3          |
| 27                 | PAFZZ              | 80205       | MS21075L06N        | • • Nut, Self-Locking, Pl . . . . .                                                                                                   | 3          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                       |            |

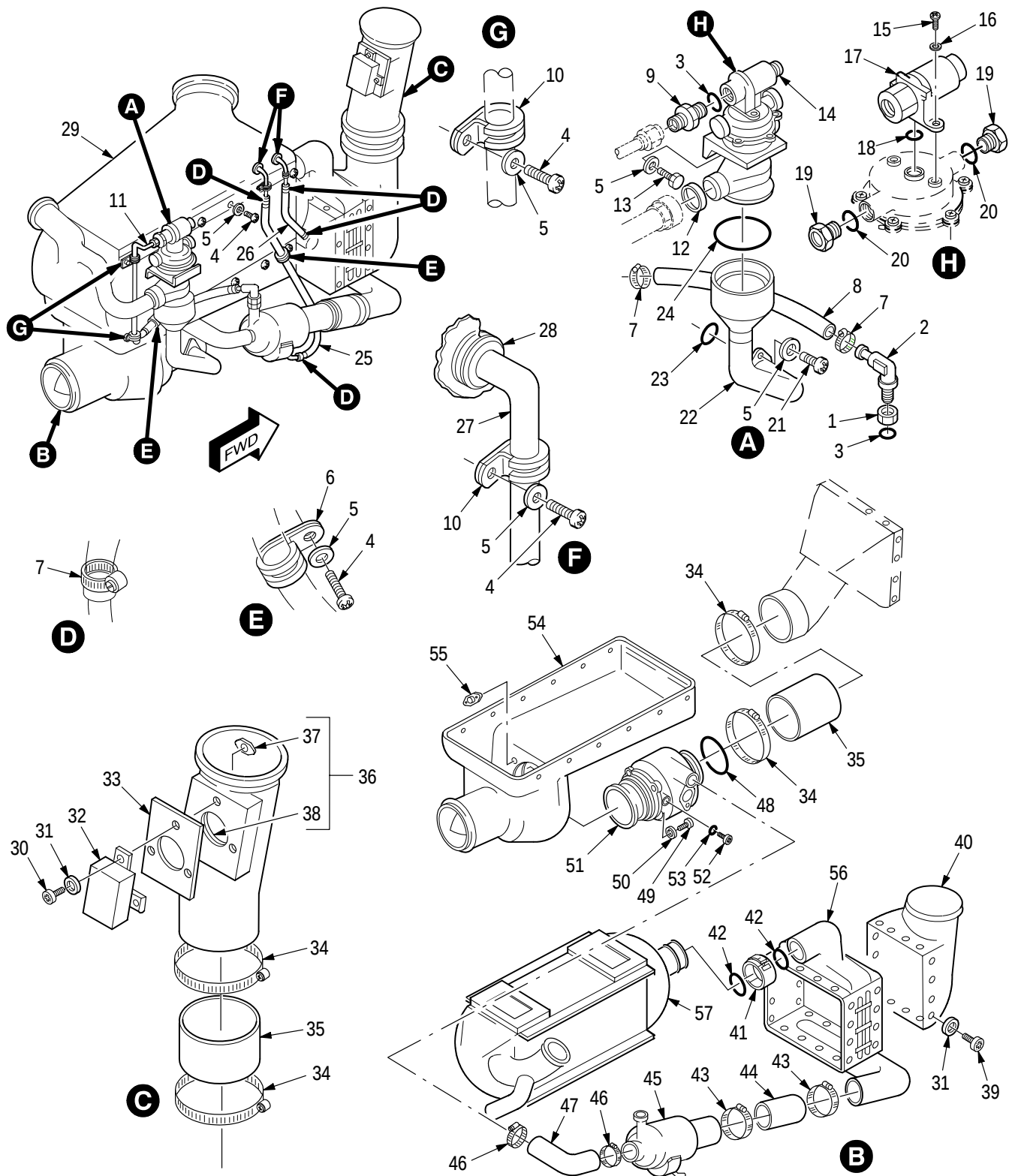


M09-703F

Figure 675. Group 13 Environmental Control Unit Installation  
7-311A22000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 675 Environmental Control Unit Installation<br>7-311A22000 |            |
| 1                  | PAOZZ              | 80205       | NAS1403-2          | • Screw, Machine .....                                                                                   | 6          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                     | 6          |
| 3                  | PAOZZ              | 14711       | 10A260-400-1       | • Clamp, Hose .....                                                                                      | 4          |
| 4                  | PAOZZ              | 02731       | HS4735-400-12      | • Hose, Nonmetallic .....                                                                                | 2          |
| 5                  | PAOOO              | 8V613       | 7-211A22108        | • Duct Assembly, Air C .....                                                                             | 1          |
| 6                  | PAOZZ              | 80205       | MS21075L3E         | • • Nut, Self-Locking, Pl .....                                                                          | 6          |
| 7                  | PAOZZ              | 8V613       | 7-116310072        | • Duct, Discharge .....                                                                                  | 1          |
| 8                  | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....                                                                                    | 12         |
| 9                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....                                                                                     | 13         |
| 10                 | PAOZZ              | 80205       | MS21042L4          | • Nut, Self-Locking, Ex .....                                                                            | 1          |
| 11                 | PAOZZ              | 81349       | M83413/8-A06CC     | • Lead, Electrical .....                                                                                 | 2          |
| 12                 | PAOOO              | 8V613       | 7-311A22001        | • Support Assy, Enviro .....                                                                             | 1          |
| 13                 | PAOZZ              | 80205       | MS21075L3E         | • • Nut, Self-Locking, Pl .....                                                                          | 5          |
| 14                 | XDOZZ              | 8V613       | 7-311A22001-15     | • • Support .....                                                                                        | 1          |
| 15                 | XDOZZ              | 8V613       | 7-311A22001-9      | • • Tee .....                                                                                            | 1          |
| 16                 | XDOZZ              | 8V613       | 7-311A22001-7      | • • Tee .....                                                                                            | 1          |
| 17                 | XDOZZ              | 8V613       | 7-311A22001-13     | • • Web .....                                                                                            | 1          |
| 18                 | XDOZZ              | 8V613       | 7-311A22001-11     | • • Web .....                                                                                            | 1          |
| 19                 | XAOZZ              | 8V613       | 7-311A22001-3      | • • Zee .....                                                                                            | 1          |
| 20                 | XAOZZ              | 8V613       | 7-311A22001-5      | • • Zee .....                                                                                            | 1          |
| 21                 | XDOZZ              | 8V613       | 7-311A22001-17     | • • Stiffener .....                                                                                      | 1          |
| 22                 | XDOZZ              | 8V613       | 7-311A22001-19     | • • Spacer .....                                                                                         | 1          |
| 23                 | PAOZZ              | 80205       | NAS1922-0525-1     | • Clamp, Hose .....                                                                                      | 2          |
| 24                 | PAOZZ              | 8V613       | 7-311A22103        | • Hose, Air Duct .....                                                                                   | 1          |
| 25                 | PAODD              | 8V613       | 7-311A22105        | • Regulator, Air Press (See Fig. 676 for Breakdown) .....                                                | 1          |
| 26                 | PAOZZ              | 0N0N0       | RU-2800            | Filter Element, Inta .....                                                                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                          |            |





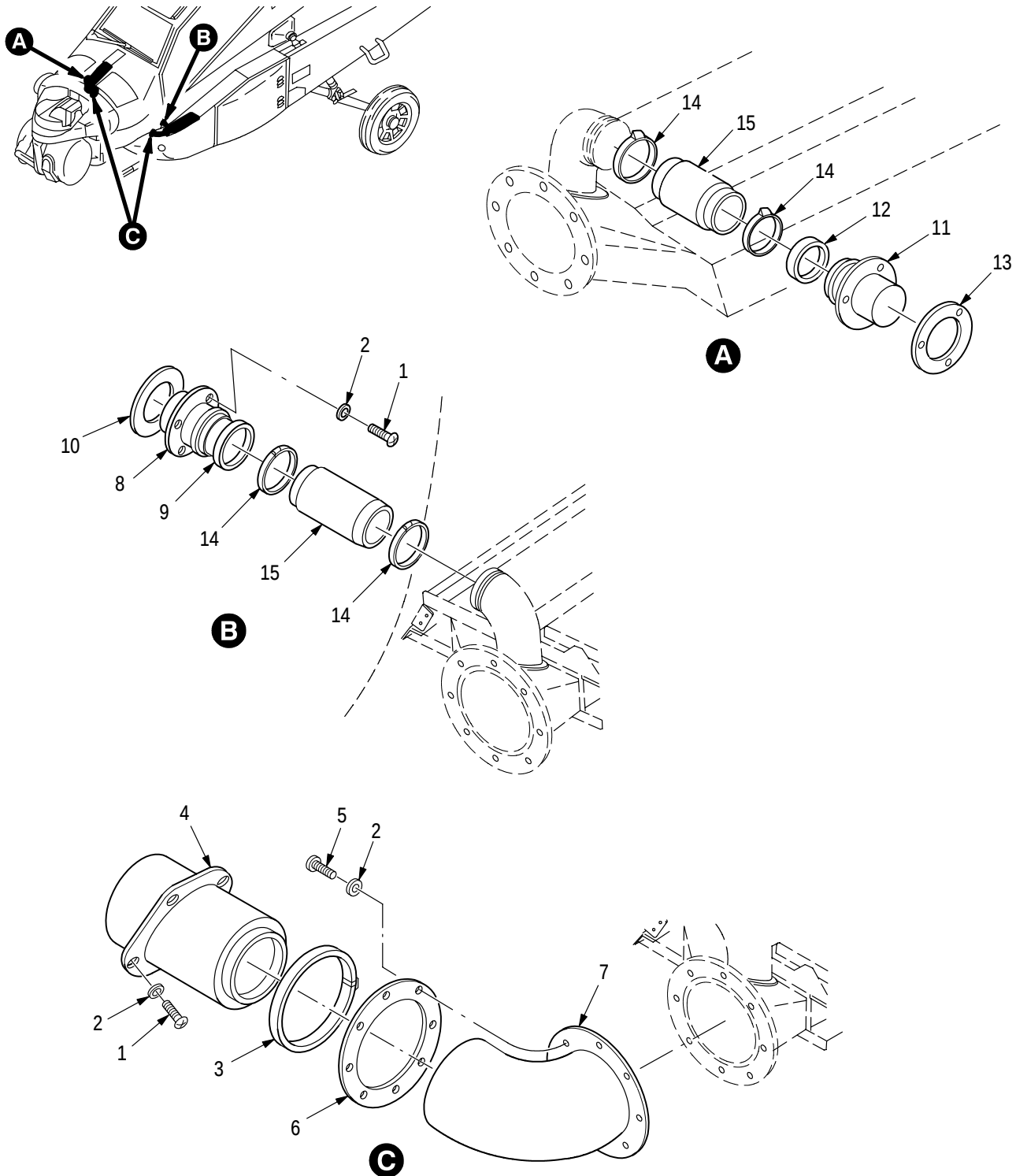
M09-704F

Figure 676. Group 13 Regulator, Air Pressure  
7-311A22105

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 676 Regulator, Air Pressure<br>7-311A22105<br>See Fig. 675 for NHA |            |
| 1                  | PAOZZ              | 98897       | LS12906-184        | • Nut, Plain, Hexagon .....                                                                                      | 1          |
| 2                  | PAOZZ              | 88044       | AN838-4D           | • Elbow, Tube to Hose .....                                                                                      | 1          |
| 3                  | PAOZZ              | 81349       | M83248/1-904       | • Packing, Preformed .....                                                                                       | 2          |
| 4                  | PAOZZ              | 96906       | MS35207-263        | • Screw, Machine .....                                                                                           | 24         |
| 5                  | PAOZZ              | 88044       | AN960PD10L         | • Washer, Flat .....                                                                                             | 27         |
| 6                  | PAOZZ              | 96906       | MS21919WCJ8        | • Clamp, Loop .....                                                                                              | 2          |
| 7                  | PAOZZ              | 70210       | 211-032-9002       | • Clamp, Loop .....                                                                                              | 6          |
| 8                  | MOOZZ              | 70210       | 2203011-21         | • Hose .....                                                                                                     | V          |
| 9                  | PAOZZ              | 88044       | AN815-4D           | • Nipple, Boss .....                                                                                             | 1          |
| 10                 | XDOZZ              | 96906       | MS21919DG4         | • Clamp, Loop .....                                                                                              | 4          |
| 11                 | PAOZZ              | 70210       | 2202806-1          | • Tube Assembly, Metal .....                                                                                     | 1          |
| 12                 | PAOZZ              | 80205       | NAS595-24E         | • Sleeve, Compression .....                                                                                      | 1          |
| 13                 | PAOZZ              | 88044       | AN3-3A             | • Bolt, Machine .....                                                                                            | 2          |
| 14                 | PAODD              | 99193       | 397884-1-2         | • Valve, Shutoff .....                                                                                           | 1          |
| 15                 | PAOZZ              | 96906       | MS51958-61         | • • Screw, Machine .....                                                                                         | 2          |
| 16                 | PAOZZ              | 88044       | AN960C10L          | • • Washer, Flat .....                                                                                           | 2          |
| 17                 | PAOZZ              | 59364       | 882661-16          | • • Electromagnetic Act .....                                                                                    | 1          |
| 18                 | PAOZZ              | 59364       | S8990-008          | • • Packing, Preformed .....                                                                                     | 1          |
| 19                 | PAOZZ              | 88044       | AN814-4DL          | • • Plug, Machine Thread .....                                                                                   | 2          |
| 20                 | PAOZZ              | 59364       | S8990-580          | • • Packing, Preforme .....                                                                                      | 2          |
| 21                 | PAOZZ              | 96906       | MS35207-262        | • Screw, Machine .....                                                                                           | 2          |
| 22                 | PAOZZ              | 70210       | 2202944-1          | • Duct Assembly, Air C .....                                                                                     | 1          |
| 23                 | PAOZZ              | 70210       | S9026L124          | • O-Ring .....                                                                                                   | 1          |
| 24                 | PAOZZ              | 70210       | S9026M143          | • O-Ring .....                                                                                                   | 1          |
| 25                 | MOOZZ              | 70210       | 2203011-22         | • Hose .....                                                                                                     | V          |
| 26                 | MOOZZ              | 70210       | 2203011-20         | • Hose .....                                                                                                     | V          |
| 27                 | PAOZZ              | 70210       | 2202767-1          | • Nozzle, Distribution .....                                                                                     | 2          |
| 28                 | PAOZZ              | 96906       | MS35489-7          | • Grommet, Nonmetallic .....                                                                                     | 2          |
| 29                 | PAOZZ              | 70210       | 2202215-2          | • Duct, Ram Air Inlet .....                                                                                      | 1          |
| 30                 | PAOZZ              | 96906       | MS27039-0809       | • Screw, Machine .....                                                                                           | 3          |
| 31                 | PAOZZ              | 88044       | AN960PD8           | • Washer, Flat .....                                                                                             | 35         |
| 32                 | PAODD              | 07217       | 625614-2-1         | • Control, Temperature .....                                                                                     | 1          |
| 33                 | PAOZZ              | 70210       | 2202404-1          | • Gasket .....                                                                                                   | 1          |
| 34                 | PAOZZ              | 70210       | 211-020-9018       | • Clamp, Hose .....                                                                                              | 4          |
| 35                 | PAOZZ              | 70210       | 2201859-16         | • Hose, Air Duct .....                                                                                           | 2          |
| 36                 | PAOOO              | 70210       | 2202758-1          | • Duct Assembly, Tempe .....                                                                                     | 1          |
| 37                 | PAOZZ              | 96906       | MS21059L08         | • • Nut, Self-Locking, Pl .....                                                                                  | 3          |
| 38                 | MOOZZ              | 70210       | 2202758-5          | • • Plate .....                                                                                                  | 1          |
| 39                 | PAOZZ              | 96906       | MS35206-245        | • Screw, Machine .....                                                                                           | 32         |
| 40                 | PAOZZ              | 70210       | 2202768-1          | • Duct Assembly, Air C .....                                                                                     | 1          |
| 41                 | PAOZZ              | 02731       | HS4724-32DE        | • Coupling Assembly, T .....                                                                                     | 1          |
| 42                 | PAOZZ              | 81349       | M83248/1-226       | • O-Ring .....                                                                                                   | 2          |
| 43                 | PAOZZ              | 70210       | 211-044-9111       | • Clamp, Hose .....                                                                                              | 2          |
| 44                 | PAOZZ              | 70210       | 2201859-14         | • Hose, Air Duct .....                                                                                           | 1          |
| 45                 | PAOZZ              | 70210       | 192588-1-2         | • Pump, Centrifugal .....                                                                                        | 1          |
| 46                 | PAOZZ              | 70210       | 211-044-9108       | • Clamp, Hose .....                                                                                              | 2          |
| 47                 | PAOZZ              | 70210       | 2202374-1          | • Hose, Air Duct .....                                                                                           | 1          |
| 48                 | PAOZZ              | 81349       | M83248/1-136       | • O-Ring .....                                                                                                   | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 49                 | PAOZZ              | 88044       | AN4-10A            | • Bolt, Machine .....                       | 4          |
| 50                 | PAOZZ              | 88044       | AN960-416L         | • Washer, Flat .....                        | 4          |
| 51                 | PAODD              | 70210       | 2204390-1-1        | • Turbine, Aircraft Co .....                | 1          |
| 52                 | PAOZZ              | 96906       | MS9015-02          | • • Plug, Machine Thread .....              | 2          |
| 53                 | PAOZZ              | 70210       | S9028D902          | • • O-Ring .....                            | 2          |
| 54                 | PAOOO              | 70210       | 2202213-1          | • Duct Assembly, Air C .....                | 1          |
| 55                 | PAOZZ              | 96906       | MS21059L4          | • • Nut, Self-Locking, Pl .....             | 4          |
| 56                 | PADDD              | 70210       | 194187-2-1         | • Heat Exchanger, Air .....                 | 1          |
| 57                 | PAODD              | 70210       | 194186-2-1         | • Heat Exchanger, Air .....                 | 1          |
| END OF FIGURE      |                    |             |                    |                                             |            |

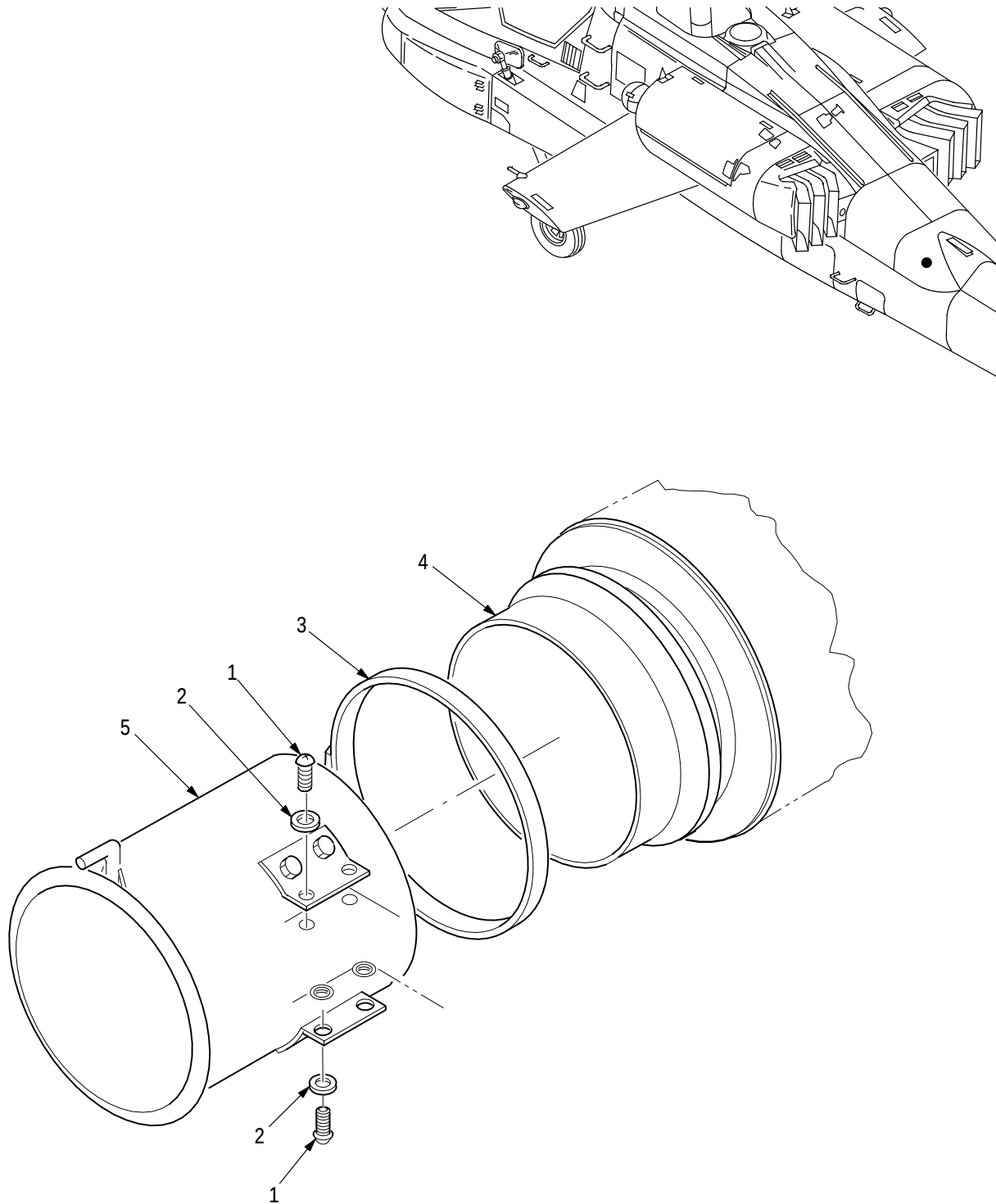




M09-590C

Figure 677. Group 13 Cooling System Installation  
7-311A23003

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 677 Cooling System Installation<br>7-311A23003 |            |
| 1                  | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....                                                                       | 15         |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                         | 31         |
| 3                  | PAOZZ              | 14711       | 10A260-400-1       | • Clamp, Hose .....                                                                          | 2          |
| 4                  | PAOZZ              | 8V613       | 7-211A23103-3      | • Fan, Vaneaxial .....                                                                       | 2          |
| 4                  | PAOZZ              | 8V613       | 7-211A23103-5      | • Fan, Vaneaxial .....                                                                       | 2          |
| 5                  | PAOZZ              | 80205       | NAS563-21          | • Bolt, Machine .....                                                                        | 16         |
| 6                  | PAOZZ              | 8V613       | 7-311A23003-3      | • Spacer, Ring .....                                                                         | 2          |
| 7                  | PAOZZ              | 8V613       | 7-311A23112        | • Duct, Fan .....                                                                            | 2          |
| 8                  | PAOOO              | 8V613       | 7-311A23116        | • Duct Assembly, Air C .....                                                                 | 1          |
| 9                  | XDOZZ              | 8V613       | 7-311A23116-5      | • Seal, Rubber Special .....                                                                 | 1          |
| 10                 | PAOZZ              | 8V613       | 7-311A23115        | • Gasket .....                                                                               | 1          |
| 11                 | PAOOO              | 8V613       | 7-311A23114        | • Duct Assembly, Air C .....                                                                 | 1          |
| 12                 | XDOZZ              | 8V613       | 7-311A23114-5      | • Seal, Rubber Special .....                                                                 | 1          |
| 13                 | PAOZZ              | 8V613       | 7-311A23115        | • Gasket .....                                                                               | 1          |
| 14                 | PAOZZ              | 80205       | NAS1922-0200-3     | • Clamp, Hose .....                                                                          | 4          |
| 15                 | PAOZZ              | 8V613       | 7-211A21237-39     | • Hose, Nonmetallic .....                                                                    | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                              |            |

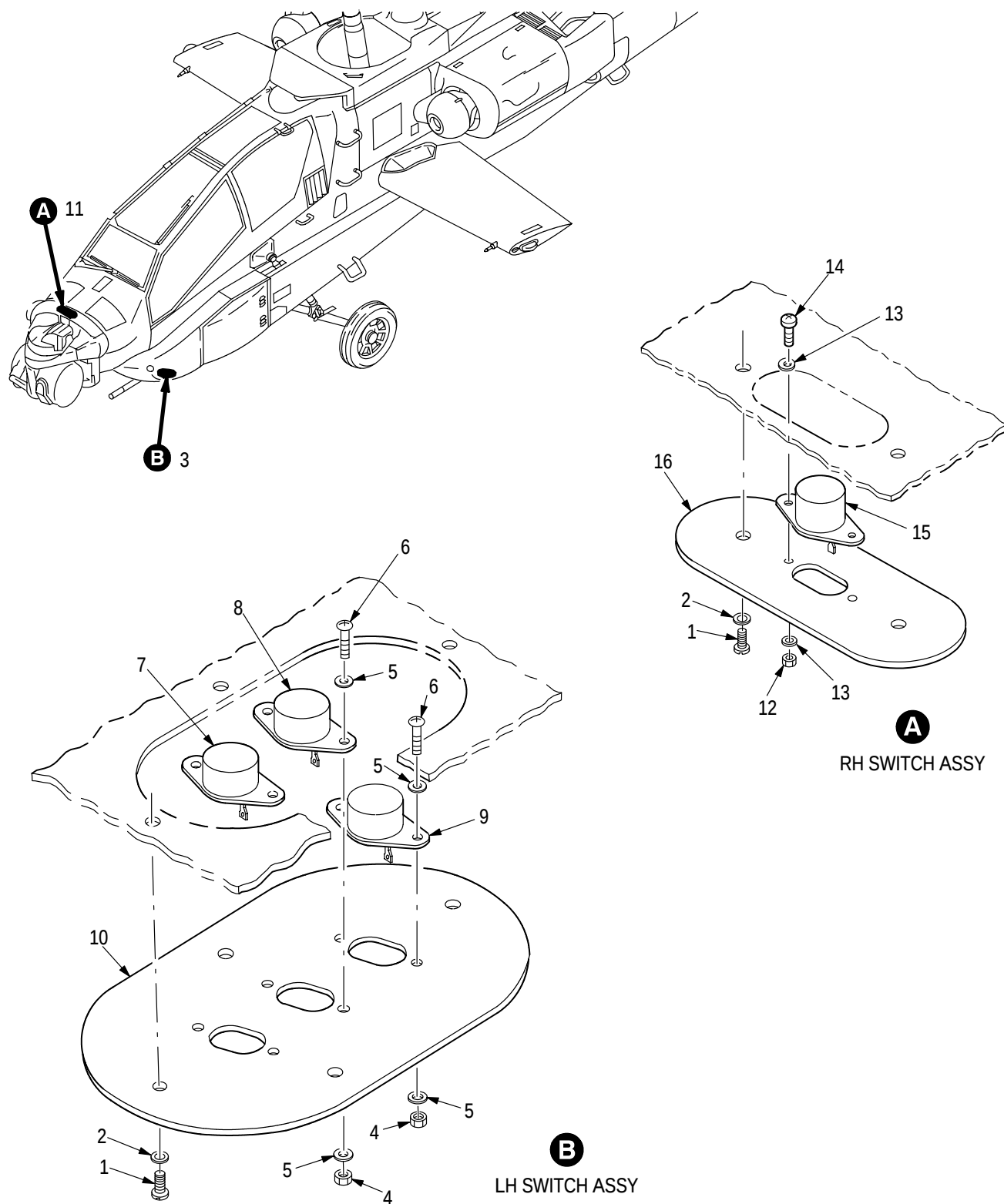


M09-213C

Figure 678. Group 13 Fan Installation  
7-211A23002

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 678 Fan Installation<br>7-211A23002 |            |
| 1                  | PAOZZ              | 80205       | NAS1403-3          | • Screw, Machine .....                                                            | 4          |
| 2                  | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat .....                                                              | 4          |
| 3                  | PAOZZ              | 14711       | 10A260-450-3B      | • Clamp, Hose .....                                                               | 1          |
| 4                  | PAOZZ              | 8V613       | 7-211A23105        | • Hose, Air Duct .....                                                            | 1          |
| 5                  | PAOZZ              | 8V613       | 7-211A23102        | • Fan, Vaneaxial .....                                                            | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                   |            |

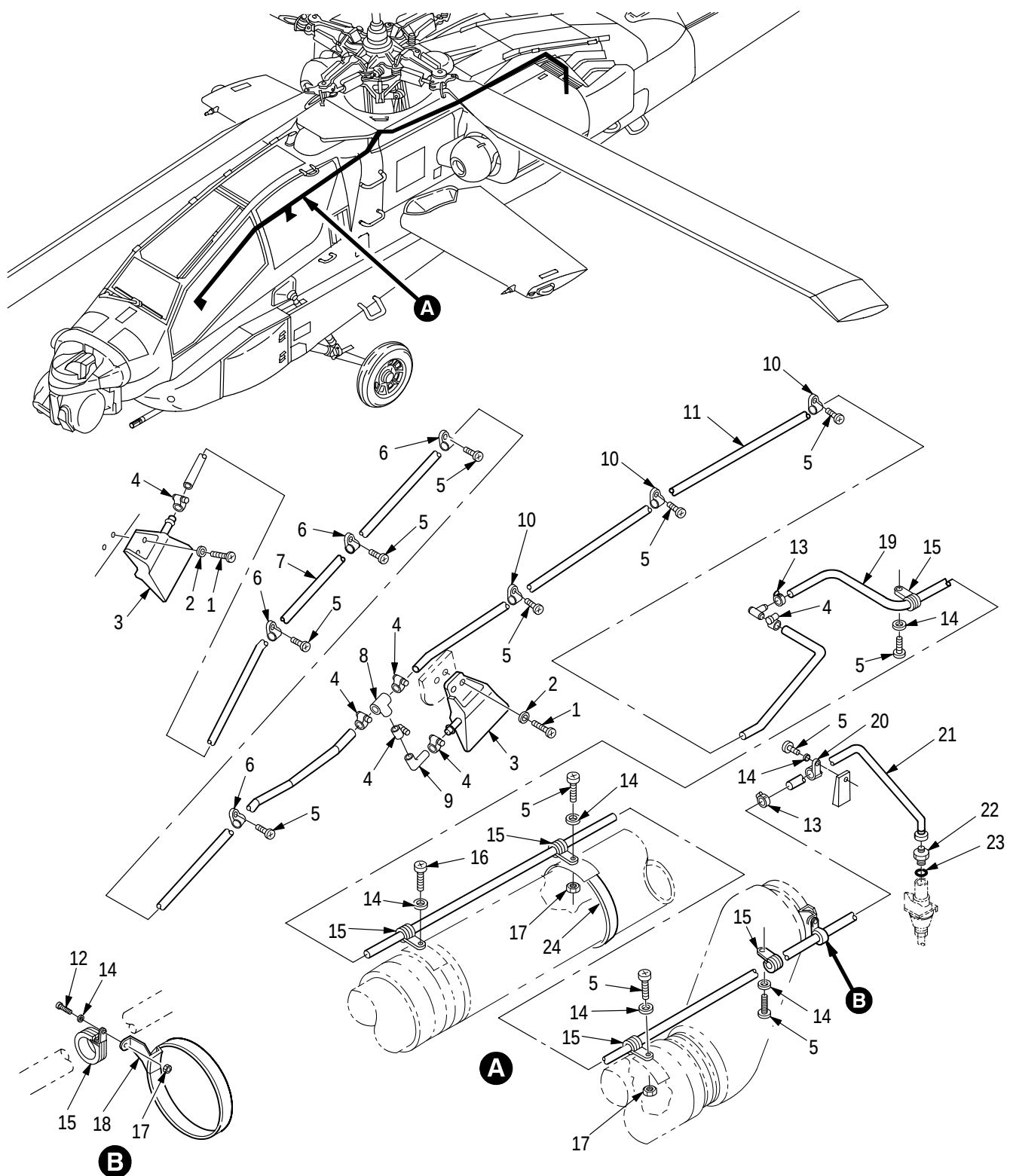




M09-617A

Figure 679. Group 13 Thermal Switch Assembly LH and RH

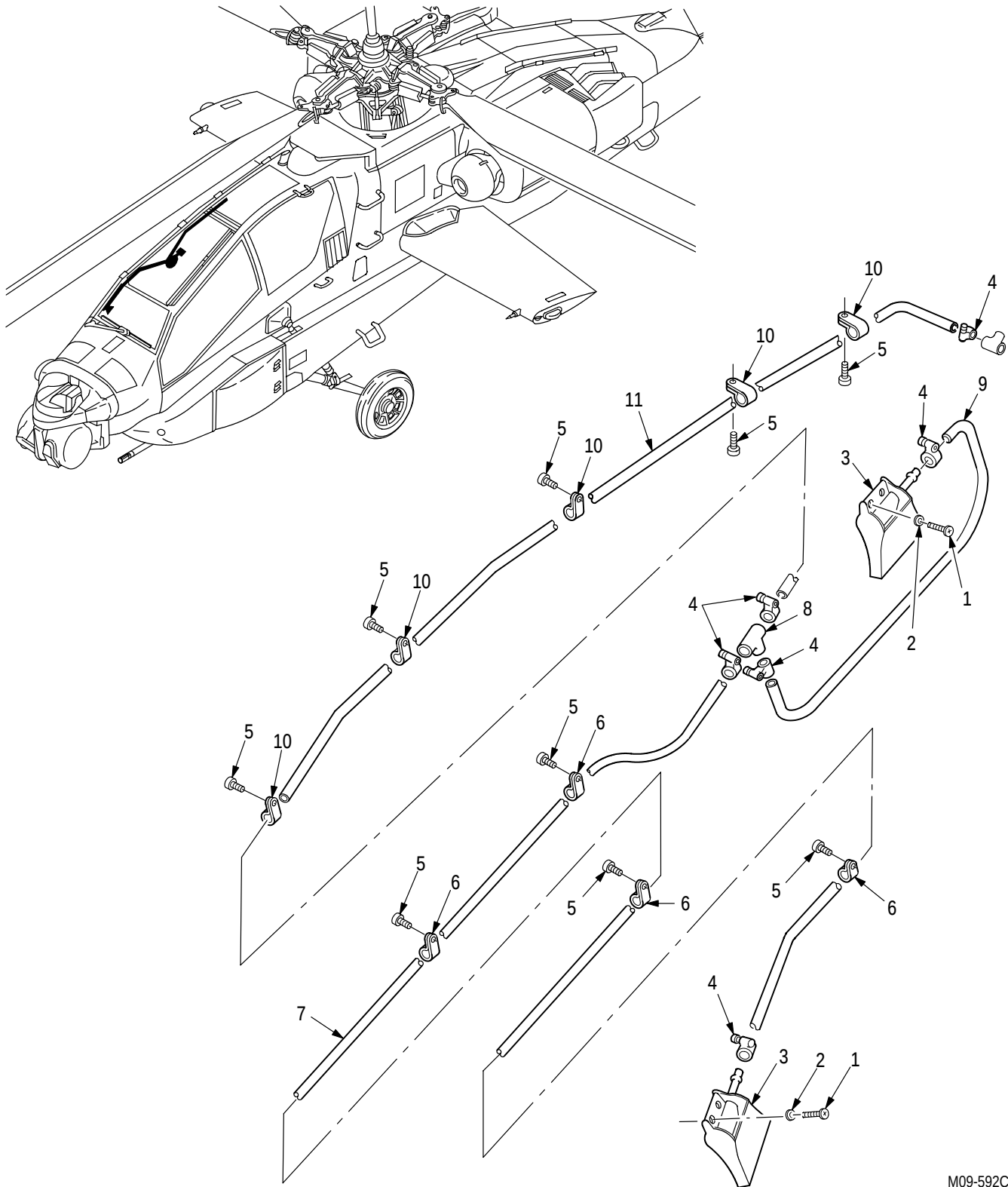
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                         | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 679 Thermal Switch Assembly LH and RH |            |
| 1                  | PAOZZ              | 96906       | MS51958-62         | • Screw, Machine LH . . . . .                                                       | 4          |
| 1                  | PAOZZ              | 96906       | MS51958-62         | • Screw, Machine RH . . . . .                                                       | 2          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat LH . . . . .                                                         | 4          |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat RH . . . . .                                                         | 2          |
| 3                  | PAOOO              | 8V613       | 7-311A20015-601    | • Switch Assembly LH (Usbl Eff 82-24200 and Subs) . . . . .                         | 1          |
| 4                  | PAOZZ              | 80205       | MS21044C04         | • • Nut, Self-Locking, He . . . . .                                                 | 6          |
| 5                  | PAOZZ              | 96906       | MS15795-803        | • • Washer, Flat . . . . .                                                          | 12         |
| 6                  | PAOZZ              | 96906       | MS51957-15         | • • Screw, Machine . . . . .                                                        | 6          |
| 7                  | PAOZZ              | 81349       | M24236/1EGCGA      | • • Switch, Thermostatic . . . . .                                                  | 1          |
| 8                  | PAOZZ              | 81349       | M24236/1EGEGC      | • • Switch, Thermostatic . . . . .                                                  | 1          |
| 9                  | PAOZZ              | 81349       | M24236/1-FHDHB     | • • Switch, Thermostatic (Usbl Eff 82-24200 and Subs) . . . . .                     | 1          |
| 10                 | PAOZZ              | 8V613       | 7-311A20014        | • • Cover, Access . . . . .                                                         | 1          |
| 11                 | PAOOO              | 8V613       | 7-311A20018-601    | • Switch Assy, Thermal RH (Usbl Eff 82-24200 and Subs) . . . . .                    | 1          |
| 12                 | PAOZZ              | 80205       | MS21044C04         | • • Nut, Self-Locking, He . . . . .                                                 | 2          |
| 13                 | PAOZZ              | 96906       | MS15795-803        | • • Washer, Flat . . . . .                                                          | 4          |
| 14                 | PAOZZ              | 96906       | MS51957-15         | • • Screw, Machine . . . . .                                                        | 2          |
| 15                 | PAOZZ              | 81349       | M24236/1-FHDHB     | • • Switch, Thermostatic (Usbl Eff 82-24200 and Subs) . . . . .                     | 1          |
| 16                 | PAOZZ              | 8V613       | 7-311A20017        | • • Cover, Electrical Sw . . . . .                                                  | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                     |            |



M09-591E

Figure 680. Group 13 Environmental Control Defogging System LH  
7-311A21300-601

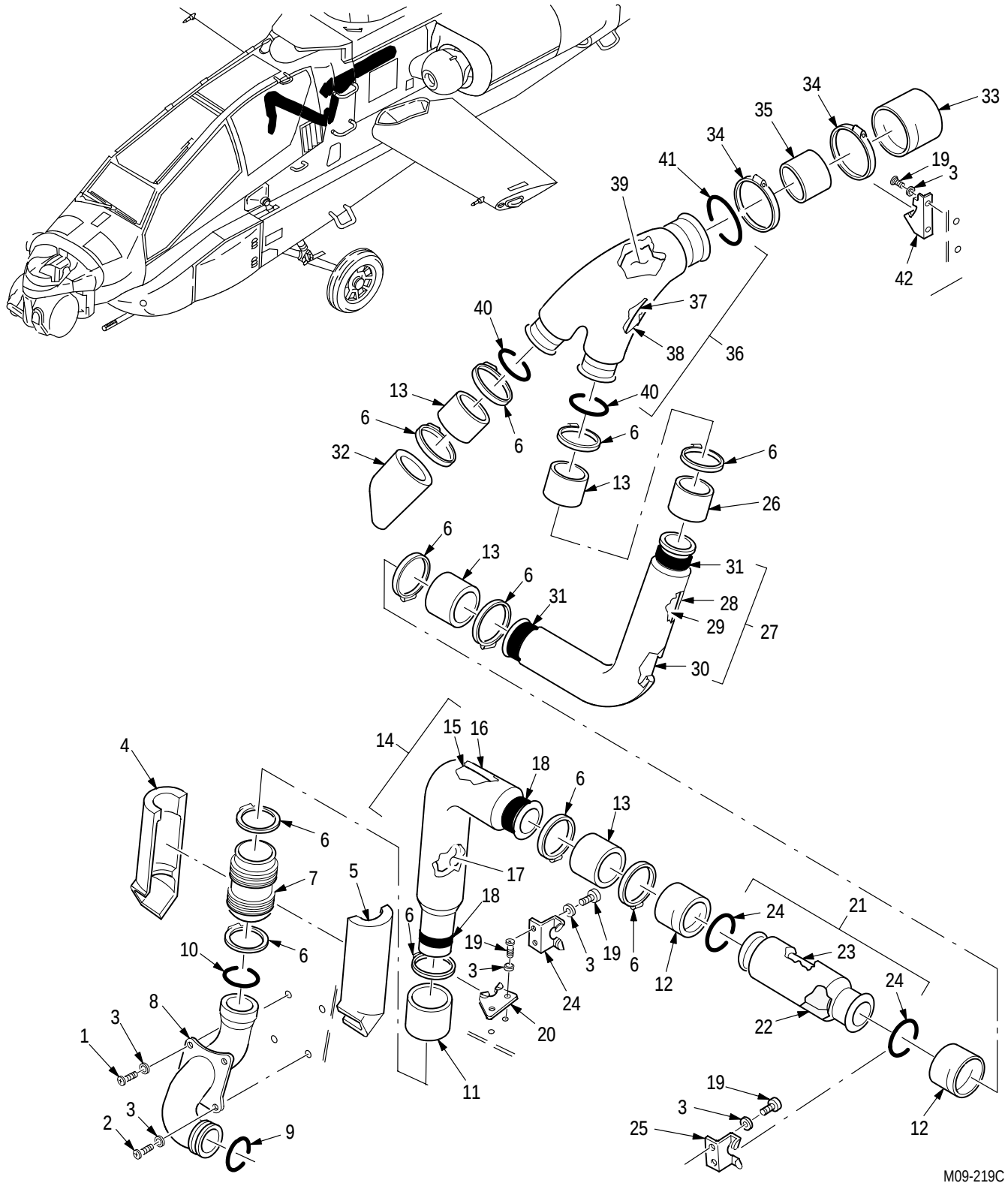
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 680 Environmental Control<br>Defogging System LH<br>7-311A21300-601 |            |
| 1                  | PAOZZ              | 80205       | NAS602-8B          | • Screw, Machine .....                                                                                            | 4          |
| 2                  | PAOZZ              | 80205       | NAS1149DN816J      | • Washer, Flat .....                                                                                              | 4          |
| 3                  | PAOZZ              | 8V613       | 7-311A21304        | • Air Mixer Nozzle, Ca .....                                                                                      | 2          |
| 4                  | PAOZZ              | 80205       | NAS1922-0050-1     | • Clamp, Hose .....                                                                                               | 5          |
| 5                  | PAOZZ              | 80205       | NAS1096-3-8        | • Screw, Machine .....                                                                                            | 10         |
| 6                  | PAOZZ              | 96906       | MS21919WDG8        | • Clamp, Loop .....                                                                                               | 4          |
| 7                  | PAOZZ              | 8V613       | 7-511A21310-003    | • Hose, Nonmetallic .....                                                                                         | 1          |
| 8                  | PAOZZ              | 8V613       | 7-311A21330        | • Tee, Hose .....                                                                                                 | 2          |
| 9                  | PAOZZ              | 8V613       | 7-511A21310--001   | • Hose, Nonmetallic .....                                                                                         | 1          |
| 10                 | PAOZZ              | 96906       | MS21919WDG9        | • Clamp, Loop .....                                                                                               | 3          |
| 11                 | PAOZZ              | 8V613       | 7-511A21310-007    | • Hose, Air Duct .....                                                                                            | 1          |
| 12                 | PAOZZ              | 80205       | NAS1096-3-6        | • Screw, Machine .....                                                                                            | 2          |
| 13                 | PAOZZ              | 80205       | NAS1922-0075-1     | • Clamp, Hose .....                                                                                               | 2          |
| 14                 | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat .....                                                                                              | 23         |
| 15                 | PAOZZ              | 96906       | MS21919WCJ12       | • Clamp, Loop .....                                                                                               | 6          |
| 16                 | PAOZZ              | 80205       | NAS1096-3-10       | • Screw, Machine .....                                                                                            | 1          |
| 17                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                                     | 3          |
| 18                 | PAOZZ              | 02731       | HS5032-0003        | • Bracket, Angle .....                                                                                            | 1          |
| 19                 | PAOZZ              | 8V613       | 7-511A21310-011    | • Hose, Air Duct .....                                                                                            | 1          |
| 20                 | PAOZZ              | 96906       | MS21919WCJ10       | • Clamp, Loop .....                                                                                               | 1          |
| 21                 | PAOZZ              | 8V613       | 7-311A21331-7      | • Tube Assembly, Metal .....                                                                                      | 1          |
| 22                 | PAOZZ              | 96906       | MS21916D12-10      | • Reducer, Boss .....                                                                                             | 1          |
| 23                 | PAOZZ              | 96906       | MS9385-12          | • O-Ring .....                                                                                                    | 1          |
| 24                 | PAOZZ              | 80205       | NAS1922-0450-1     | • Clamp, Hose .....                                                                                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                   |            |



M09-592C

Figure 681. Group 13 Environmental Control Defogging System RH  
7-311A21300-601

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 681 Environmental Control<br>Defogging System RH<br>7-311A21300-601 |            |
| 1                  | PAOZZ              | 80205       | NAS602-8B          | • Screw, Machine .....                                                                                            | 4          |
| 2                  | PAOZZ              | 80205       | NAS1149DN816J      | • Washer, Flat .....                                                                                              | 4          |
| 3                  | PAOZZ              | 8V613       | 7-311A21304        | • Air Mixer Nozzle, Ca .....                                                                                      | 2          |
| 4                  | PAOZZ              | 80205       | NAS1922-0050-1     | • Clamp, Hose .....                                                                                               | 6          |
| 5                  | PAOZZ              | 80205       | NAS1096-3-8        | • Screw, Machine .....                                                                                            | 9          |
| 6                  | PAOZZ              | 96906       | MS21919WDG8        | • Clamp, Loop .....                                                                                               | 4          |
| 7                  | PAOZZ              | 8V613       | 7-511A21310-013    | • Hose-Reinforced, Hig .....                                                                                      | 1          |
| 8                  | PAOZZ              | 8V613       | 7-311A21330        | • Tee, Hose .....                                                                                                 | 1          |
| 9                  | PAOZZ              | 8V613       | 7-511A21310-005    | • Hose-Reinforced, Hig .....                                                                                      | 1          |
| 10                 | PAOZZ              | 96906       | MS21919WDG9        | • Clamp, Loop .....                                                                                               | 5          |
| 11                 | PAOZZ              | 8V613       | 7-511A21310-009    | • Hose-Reinforced, Hig .....                                                                                      | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                   |            |

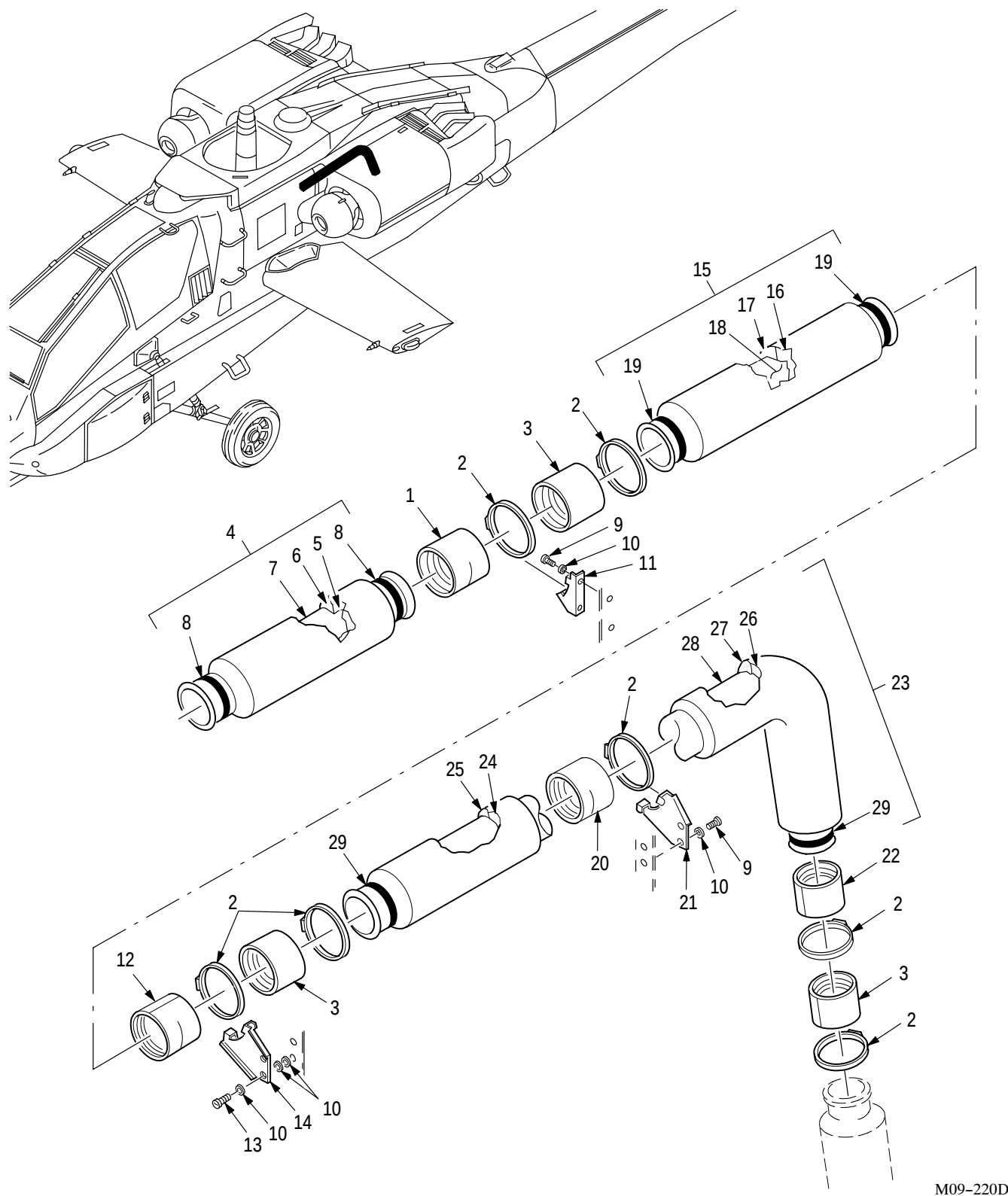


M09-219C

Figure 682. Group 13 Fuselage Environmental Control System (FS 154 to FS 180)  
7-311A21100-601

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 682 Fuselage Environmental Control System<br>(FS 154 to FS 180)<br>7-311A21100-601 |            |
| 1                  | PAOZZ              | 80205       | NAS603-10P         | • Screw, Machine .....                                                                                                           | 2          |
| 2                  | PAOZZ              | 80205       | NAS603-12P         | • Screw, Machine .....                                                                                                           | 2          |
| 3                  | PAOZZ              | 88044       | AN960KD10          | • Washer, Flat .....                                                                                                             | 12         |
| 4                  | PAOZZ              | 8V613       | 7-311A21133-3      | • Cuff Half, Duct, Insu .....                                                                                                    | 1          |
| 5                  | PAOZZ              | 8V613       | 7-311A21133-4      | • Cuff Half, Duct, Insu .....                                                                                                    | 1          |
| 6                  | PAOZZ              | 80205       | NAS1922-0275-3     | • Clamp, Hose .....                                                                                                              | 11         |
| 7                  | PAOZZ              | 8V613       | 7-211A21114        | • Hose, Air Duct .....                                                                                                           | 1          |
| 8                  | PAOOO              | 8V613       | 7-311A21110        | • Duct Assembly, Air C .....                                                                                                     | 1          |
| 9                  | XDOZZ              | 8V613       | 7-311A21110-9      | • • Seal, Rubber Special .....                                                                                                   | 1          |
| 10                 | XDOZZ              | 8V613       | 7-311A21110-11     | • • Seal, Rubber Special .....                                                                                                   | 1          |
| 11                 | PAOZZ              | 8V613       | 7-311A21134-5      | • Cuff, Insulation, Duc .....                                                                                                    | 1          |
| 12                 | PAOZZ              | 8V613       | 7-311A21131-15     | • Cuff, Sleeve, Insulat .....                                                                                                    | 2          |
| 13                 | XDOZZ              | 8V613       | 7-211A21237-7      | • Sleeve, Seal, Coupler .....                                                                                                    | 4          |
| 14                 | PAOOO              | 8V613       | 7-311A21109        | • Hose, Air Duct .....                                                                                                           | 1          |
| 15                 | PAOZZ              | 8V613       | 7-311A21109-11     | • • Insulation Half, Duc .....                                                                                                   | 1          |
| 16                 | PAOZZ              | 8V613       | 7-311A21109-9      | • • Insulation Half, Duc .....                                                                                                   | 1          |
| 17                 | XAOOO              | 8V613       | 7-311A21109-3      | • • Duct Assy .....                                                                                                              | 1          |
| 18                 | XDOZZ              | 8V613       | 7-311A21109-7      | • • • Seal, Rubber Special .....                                                                                                 | 2          |
| 19                 | PAOZZ              | 80205       | NAS603-8           | • Screw, Machine .....                                                                                                           | 8          |
| 20                 | PAOZZ              | 8V613       | 7-211A21112        | • Bracket, Duct Suppor .....                                                                                                     | 1          |
| 21                 | PAOOO              | 8V613       | 7-311A21106-3      | • Duct Assembly, Air C .....                                                                                                     | 1          |
| 22                 | PAOZZ              | 8V613       | 7-311A21106-19     | • • Insulation Half, Duc .....                                                                                                   | 2          |
| 23                 | XDOOO              | 8V613       | 7-311A21106-7      | • • Duct Assy, Air Suppl .....                                                                                                   | 1          |
| 24                 | XDOZZ              | 8V613       | 7-311A21106-15     | • • • Seal, Rubber Special .....                                                                                                 | 2          |
| 25                 | XDOZZ              | 8V613       | 7-211A21111        | • Bracket, Duct Suppor .....                                                                                                     | 2          |
| 26                 | PAOZZ              | 8V613       | 7-311A21131-17     | • Cuff, Sleeve, Insulat .....                                                                                                    | 1          |
| 27                 | PAOOO              | 8V613       | 7-311A21105        | • Duct Assembly, Air C .....                                                                                                     | 1          |
| 28                 | PAOZZ              | 8V613       | 7-311A21105-9      | • • Insulation Half, Duc .....                                                                                                   | 1          |
| 29                 | PAOZZ              | 8V613       | 7-311A21105-10     | • • Insulation Half, Duc .....                                                                                                   | 1          |
| 30                 | XAOOO              | 8V613       | 7-311A21105-3      | • • Duct Assy .....                                                                                                              | 1          |
| 31                 | MOOZZ              | 81348       | ZZR765             | • • • Seal, Rubber Special .....                                                                                                 | 2          |
| 32                 | PAOZZ              | 8V613       | 7-311A21132-3      | • Cuff, Sleeve, Insulat .....                                                                                                    | 1          |
| 33                 | PAOZZ              | 8V613       | 7-311A21131-11     | • Cuff, Sleeve, Insulat .....                                                                                                    | 1          |
| 34                 | PAOZZ              | 14711       | 10A260-400-1       | • Clamp, Hose .....                                                                                                              | 2          |
| 35                 | PAOZZ              | 8V613       | 7-211A21237-9      | • Hose, Nonmetallic .....                                                                                                        | 1          |
| 36                 | PAOOO              | 8V613       | 7-311A21103        | • Hose, Air Duct .....                                                                                                           | 1          |
| 37                 | PAOZZ              | 8V613       | 7-311A21103-11     | • • Insulation Pipe Fit .....                                                                                                    | 1          |
| 38                 | PAOZZ              | 8V613       | 7-311A21103-12     | • • Insulation Pipe Fit .....                                                                                                    | 1          |
| 39                 | XAOOO              | 8V613       | 7-311A21103-3      | • • Duct Assy .....                                                                                                              | 1          |
| 40                 | XDOZZ              | 8V613       | 7-311A21103-7      | • • • Seal, Nonmetallic Sp .....                                                                                                 | 2          |
| 41                 | XDOZZ              | 8V613       | 7-311A21103-9      | • • • Seal, Nonmetallic Sp .....                                                                                                 | 1          |
| 42                 | PAOZZ              | 8V613       | 7-211A21102        | • Bracket, Duct Suppor .....                                                                                                     | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                  |            |

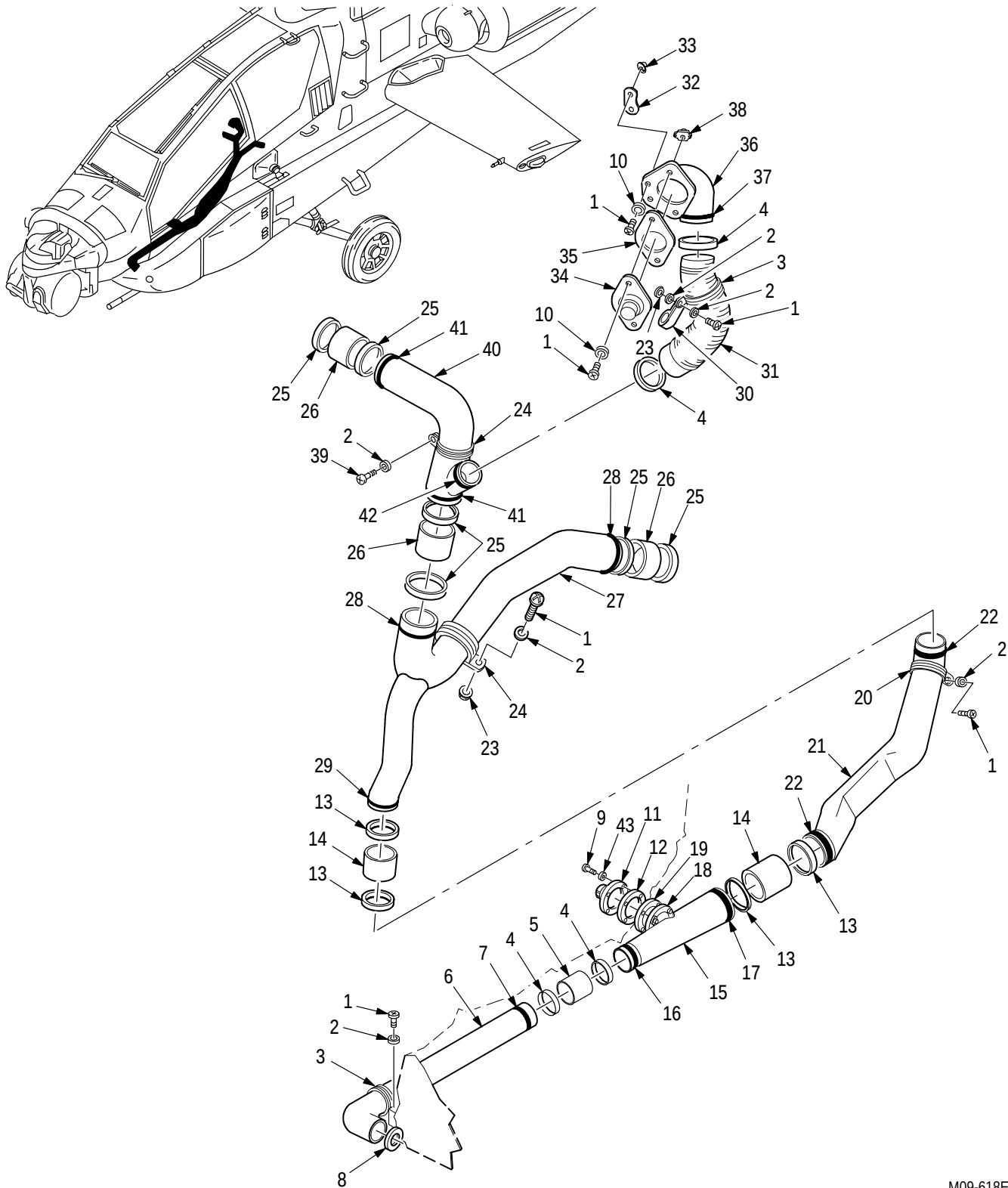




M09-220D

Figure 683. Group 13 Fuselage Environmental Control System (FS 180 to FS 296)  
7-311A21100-601

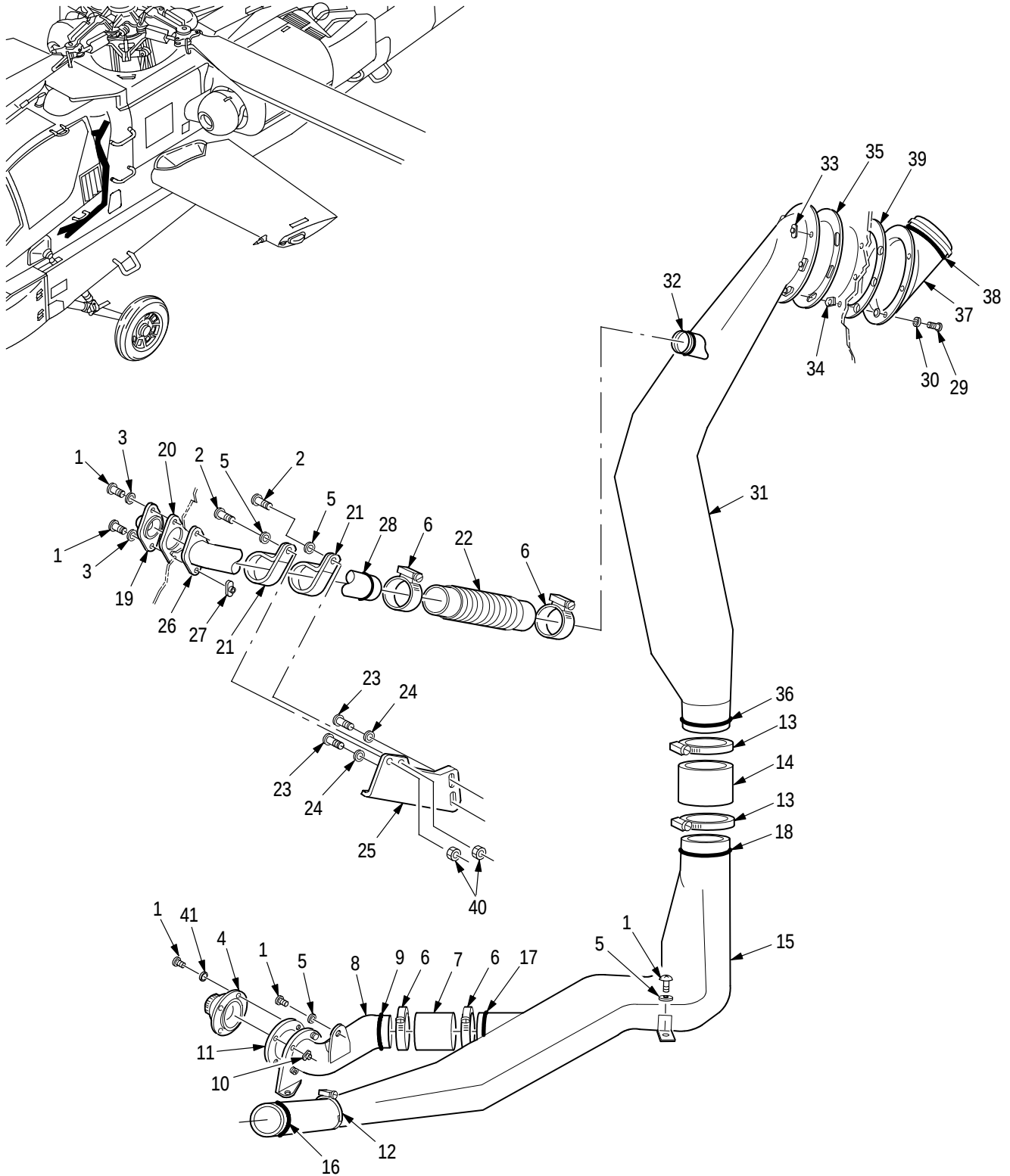
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 683 Fuselage Environmental Control System<br>(FS 180 to FS 296)<br>7-311A21100-601 |            |
| 1                  | PAOZZ              | 8V613       | 7-311A21131-11     | • Cuff, Sleeve, Insulat .....                                                                                                    | 2          |
| 2                  | PAOZZ              | 14711       | 10A260-400-1       | • Clamp, Hose .....                                                                                                              | 7          |
| 3                  | PAOZZ              | 8V613       | 7-211A21237-9      | • Hose, Nonmetallic .....                                                                                                        | 3          |
| 4                  | PAOOO              | 8V613       | 7-311A21106-5      | • Duct Assembly, Air C .....                                                                                                     | 1          |
| 5                  | PAOZZ              | 8V613       | 7-311A21106-21     | • • Insulation Half, Duc .....                                                                                                   | 1          |
| 6                  | PAOZZ              | 8V613       | 7-311A21106-23     | • • Insulation Half, Duc .....                                                                                                   | 1          |
| 7                  | XDOOO              | 8V613       | 7-311A21106-9      | • • Duct Assy, Air .....                                                                                                         | 1          |
| 8                  | XDOZZ              | 8V613       | 7-311A21106-17     | • • • Seal, Rubber Special .....                                                                                                 | 2          |
| 9                  | PAOZZ              | 80205       | NAS603-8           | • Screw, Machine .....                                                                                                           | 4          |
| 10                 | PAOZZ              | 88044       | AN960KD10          | • Washer, Flat .....                                                                                                             | 12         |
| 11                 | PAOZZ              | 8V613       | 7-211A21102        | • Bracket, Duct Suppor .....                                                                                                     | 2          |
| 12                 | PAOZZ              | 8V613       | 7-311A21131-19     | • Cuff, Sleeve, Insulat .....                                                                                                    | 1          |
| 13                 | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....                                                                                                           | 2          |
| 14                 | PAOZZ              | 8V613       | 7-211A21125-4      | • Bracket, Duct Suppor .....                                                                                                     | 1          |
| 15                 | PAOOO              | 8V613       | 7-311A21101-15     | • Hose, Air Duct .....                                                                                                           | 1          |
| 16                 | PAOZZ              | 8V613       | 7-311A21101-13     | • • Insulation Half, Duc .....                                                                                                   | 1          |
| 17                 | PAOZZ              | 8V613       | 7-311A21101-9      | • • Insulation, Pipe Cov .....                                                                                                   | 1          |
| 18                 | XAOOO              | 8V613       | 7-311A21101-3      | • • Duct .....                                                                                                                   | 1          |
| 19                 | XDOZZ              | 8V613       | 7-311A21101-7      | • • • Seal, Duct .....                                                                                                           | 2          |
| 20                 | PAOZZ              | 8V613       | 7-311A21131-13     | • Cuff, Sleeve, Insulat .....                                                                                                    | 1          |
| 21                 | PAOZZ              | 8V613       | 7-211A21125-3      | • Bracket, Duct Suppor .....                                                                                                     | 1          |
| 22                 | PAOZZ              | 8V613       | 7-311A21135        | • Hose, Nonmetallic .....                                                                                                        | 1          |
| 23                 | PAOOO              | 8V613       | 7-311A21130        | • Duct Assembly, Air C .....                                                                                                     | 1          |
| 24                 | PAOZZ              | 8V613       | 7-311A21130-11     | • • Insulation Half, Duc .....                                                                                                   | 1          |
| 25                 | PAOZZ              | 8V613       | 7-311A21130-12     | • • Insulation Half, Duc .....                                                                                                   | 1          |
| 26                 | PAOZZ              | 8V613       | 7-311A21130-9      | • • Insulation Half, Duc .....                                                                                                   | 1          |
| 27                 | PAOZZ              | 8V613       | 7-311A21130-10     | • • Insulation Half, Duc .....                                                                                                   | 1          |
| 28                 | XAOOO              | 8V613       | 7-311A21130-3      | • • Duct Assy .....                                                                                                              | 1          |
| 29                 | XDOZZ              | 8V613       | 7-311A21130-7      | • • • Seal, Rubber Special .....                                                                                                 | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                  |            |



M09-618E

Figure 684. Group 13 Crew Environmental Control System (FS 57 to FS 125) LH  
7-311A21200

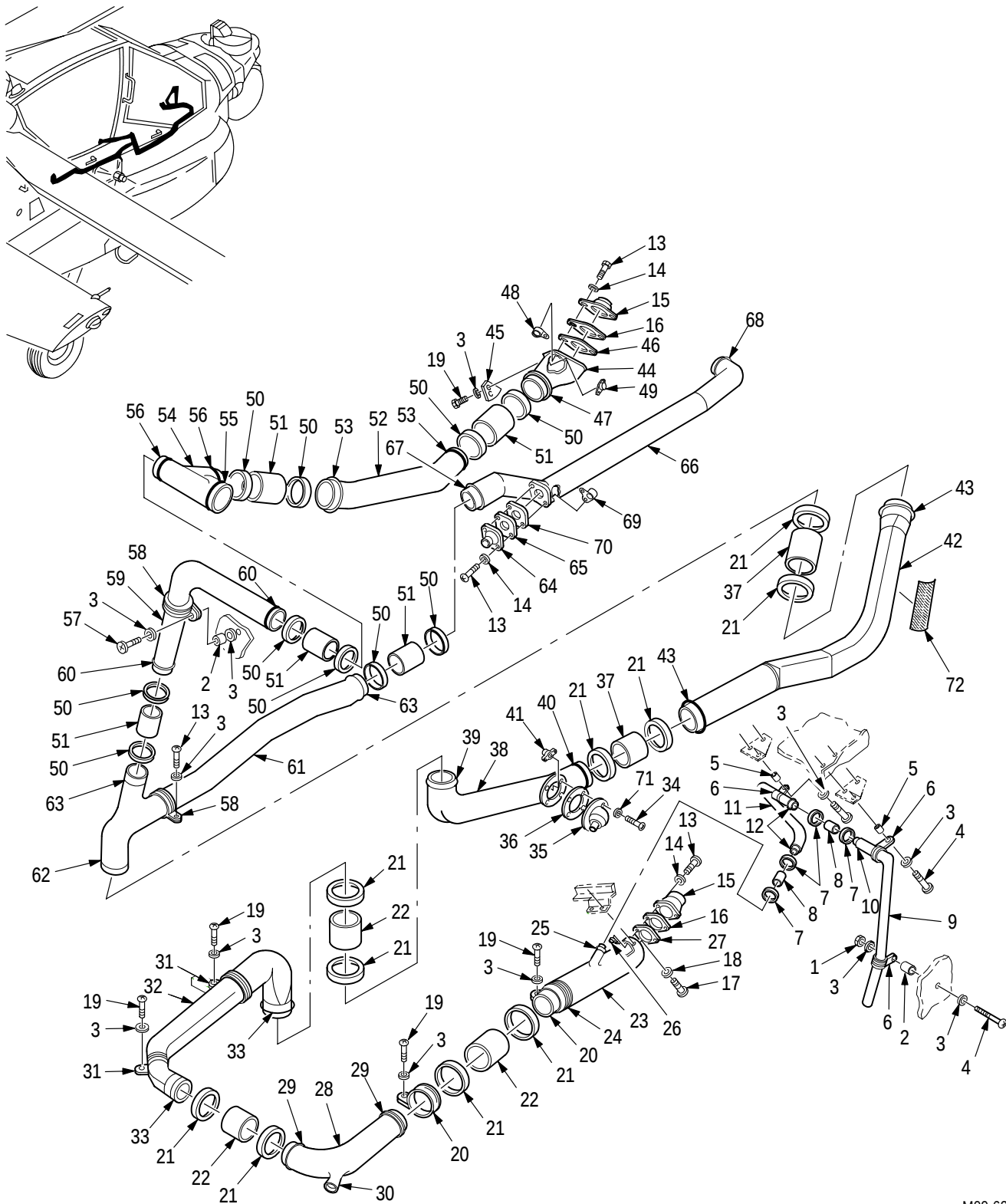
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 684 Crew Environmental Control System<br>(FS 57 to FS 125) LH<br>7-311A21200 |            |
| 1                  | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....                                                                                                     | 29         |
| 2                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                                       | 21         |
| 3                  | PAOZZ              | 96906       | MS21919WDG24       | • Clamp, Loop .....                                                                                                        | 4          |
| 4                  | PAOZZ              | 80205       | NAS1922-150-1      | • Clamp, Hose .....                                                                                                        | 8          |
| 5                  | XDOZZ              | 8V613       | 7-211A21237-3      | • Sleeve, Seal, Coupler .....                                                                                              | 2          |
| 6                  | PAOOO              | 8V613       | 7-311A21267        | • Duct Assembly, Air C .....                                                                                               | 1          |
| 7                  | XDOZZ              | 8V613       | 7-311A21267-5      | • Seal, Rubber Strip .....                                                                                                 | 1          |
| 8                  | PAOZZ              | 8V613       | 7-311A21275-5      | • Body, Valve .....                                                                                                        | 1          |
| 9                  | PAOZZ              | 80205       | NAS603-11B         | • Screw, Machine .....                                                                                                     | 8          |
| 10                 | PAOZZ              | 88044       | AN960XC10L         | • Washer, Flat .....                                                                                                       | 16         |
| 11                 | PAOZZ              | 8V613       | 7-311A21257        | • Valve, Butterfly .....                                                                                                   | 3          |
| 12                 | PAOZZ              | 8V613       | 7-311A21259        | • Gasket .....                                                                                                             | 3          |
| 13                 | PAOZZ              | 80205       | NAS1922-0200-3     | • Clamp, Hose .....                                                                                                        | 4          |
| 14                 | PAOZZ              | 8V613       | 7-211A21237-5      | • Sleeve, Seal, Coupler .....                                                                                              | 7          |
| 15                 | PAOOO              | 8V613       | 7-311A21277        | • Duct Assembly, Air C .....                                                                                               | 1          |
| 16                 | XDOZZ              | 8V613       | 7-311A21277-5      | • Seal, Rubber Strip .....                                                                                                 | 1          |
| 17                 | XDOZZ              | 8V613       | 7-311A21277-7      | • Seal, Rubber Strip .....                                                                                                 | 1          |
| 18                 | PAOZZ              | 02731       | HS4174-2           | • Nut, Self-Locking, Pl .....                                                                                              | 4          |
| 19                 | PAOZZ              | 8V613       | 7-311A21259        | • Gasket .....                                                                                                             | 1          |
| 20                 | PAOZZ              | 96906       | MS21919WDG32       | • Clamp, Loop .....                                                                                                        | 3          |
| 21                 | PAOOO              | 8V613       | 7-211A21231        | • Hose, Air Duct .....                                                                                                     | 1          |
| 22                 | MOOZZ              | 8V613       | 7-211A21231-5      | • Duct Assembly, Air C .....                                                                                               | 2          |
| 23                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                                                              | 1          |
| 24                 | PAOZZ              | 96906       | MS21919WDG40       | • Clamp, Loop .....                                                                                                        | 4          |
| 25                 | PAOZZ              | 80205       | NAS1922-0275-3     | • Clamp, Hose .....                                                                                                        | 6          |
| 26                 | PAOZZ              | 8V613       | 7-211A21237-27     | • Sleeve, Seal, Coupler .....                                                                                              | 7          |
| 27                 | PAOOO              | 8V613       | 7-311A21263        | • Duct Assembly, Air C .....                                                                                               | 1          |
| 28                 | MOOZZ              | 8V613       | 7-311A21263-5      | • Seal, Rubber Strip .....                                                                                                 | 2          |
| 29                 | XDOZZ              | 8V613       | 7-311A21263-7      | • Seal, Rubber Strip .....                                                                                                 | 1          |
| 30                 | PAOZZ              | 96906       | MS21919WDG10       | • Clamp, Loop .....                                                                                                        | 1          |
| 31                 | PAOZZ              | 8V613       | 7-311A21253-5      | • Hose, Nonmetallic .....                                                                                                  | 1          |
| 32                 | PAOOO              | 8V613       | 7-311A21254        | • Bracket, Support, Air .....                                                                                              | 1          |
| 33                 | PAOZZ              | 02731       | HS4174-2           | • Nut, Self-Locking, Pl .....                                                                                              | 2          |
| 34                 | PAOZZ              | 8V613       | 7-311A21250-3      | • Valve, Butterfly .....                                                                                                   | 3          |
| 35                 | PAOZZ              | 8V613       | 7-311A21256        | • Gasket .....                                                                                                             | 3          |
| 36                 | PAOOO              | 8V613       | 7-311A21251        | • Duct Assembly, Air C .....                                                                                               | 1          |
| 37                 | XDOZZ              | 8V613       | 7-311A21251-5      | • Seal, Rubber Strip .....                                                                                                 | 1          |
| 38                 | PAOZZ              | 02731       | HS4174-2           | • Nut, Self-Locking, Pl .....                                                                                              | 2          |
| 39                 | PAOZZ              | 80205       | NAS603-16P         | • Screw, Machine .....                                                                                                     | 1          |
| 40                 | PAOOO              | 8V613       | 7-311A21269        | • Duct Assembly, Air C .....                                                                                               | 1          |
| 41                 | MOOZZ              | 8V613       | 7-311A21269-5      | • Seal, Rubber Strip .....                                                                                                 | 2          |
| 42                 | XDOZZ              | 8V613       | 7-311A21269-7      | • Seal, Rubber Strip .....                                                                                                 | 1          |
| 43                 | PAOZZ              | 80205       | NAS620C10LP        | • Washer, Flat .....                                                                                                       | 12         |
| END OF FIGURE      |                    |             |                    |                                                                                                                            |            |



M09-619F

Figure 685. Group 13 Crew Environmental Control System (FS 125 to FS 155) LH  
7-311A21200

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                 | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 685 Crew Environmental Control System<br>(FS 125 to FS 155) LH<br>7-311A21200 |            |
| 1                  | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....                                                                                                      | 29         |
| 2                  | PAOZZ              | 80205       | NAS603-8P          | • Screw, Machine .....                                                                                                      | 2          |
| 3                  | PAOZZ              | 88044       | AN960XC10L         | • Washer, Flat .....                                                                                                        | 16         |
| 4                  | PAOZZ              | 8V613       | 7-311A21257        | • Valve, Butterfly .....                                                                                                    | 3          |
| 5                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                                        | 21         |
| 6                  | PAOZZ              | 80205       | NAS1922-150-1      | • Clamp, Hose .....                                                                                                         | 8          |
| 7                  | XDOZZ              | 8V613       | 7-211A21237-3      | • Sleeve, Seal, Coupler .....                                                                                               | 2          |
| 8                  | PAOOO              | 8V613       | 7-311A21221        | • Hose Assembly, Nonme .....                                                                                                | 1          |
| 9                  | MOOZZ              | 8V613       | 7-311A21221-5      | • Seal, Rubber Strip .....                                                                                                  | 1          |
| 10                 | PAOZZ              | 02731       | HS4174-2           | • Nut, Self-Locking, Pl .....                                                                                               | 4          |
| 11                 | PAOZZ              | 8V613       | 7-311A21259        | • Gasket .....                                                                                                              | 1          |
| 12                 | PAOZZ              | 80205       | NAS1922-0225-1     | • Clamp, Hose .....                                                                                                         | 1          |
| 13                 | PAOZZ              | 80205       | NAS1922-0275-3     | • Clamp, Hose .....                                                                                                         | 2          |
| 14                 | XDOZZ              | 8V613       | 7-211A21237-7      | • Sleeve, Seal, Coupler .....                                                                                               | 1          |
| 15                 | PAOOO              | 8V613       | 7-311A21223        | • Duct Assy, Environme .....                                                                                                | 1          |
| 16                 | MOOZZ              | 8V613       | 7-311A21223-9      | • Seal, Rubber Strip .....                                                                                                  | 1          |
| 17                 | XDOZZ              | 8V613       | 7-311A21223-7      | • Seal, Rubber Strip .....                                                                                                  | 1          |
| 18                 | XDOZZ              | 8V613       | 7-311A21223-11     | • Seal, Rubber Strip .....                                                                                                  | 1          |
| 19                 | PAOZZ              | 8V613       | 7-311A21250-3      | • Valve, Butterfly .....                                                                                                    | 3          |
| 20                 | PAOZZ              | 8V613       | 7-311A21256        | • Gasket .....                                                                                                              | 3          |
| 21                 | PAOZZ              | 96906       | MS21919WDG24       | • Clamp, Loop .....                                                                                                         | 4          |
| 22                 | PAOZZ              | 8V613       | 7-311A21253-7      | • Hose, Preformed .....                                                                                                     | 1          |
| 23                 | PAOZZ              | 80205       | NAS623-3-2         | • Screw, Machine .....                                                                                                      | 2          |
| 24                 | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....                                                                                                        | 4          |
| 25                 | XDOZZ              | 8V613       | 7-311A21281        | • Support, Air Outlet .....                                                                                                 | 1          |
| 26                 | PAOOO              | 8V613       | 7-311A21278        | • Duct Assembly, Air C .....                                                                                                | 1          |
| 27                 | PAOZZ              | 02731       | HS4174-2           | • Nut, Self-Locking, Pl .....                                                                                               | 2          |
| 28                 | MOOZZ              | 8V613       | 7-311A21278-5      | • Seal, Rubber Strip .....                                                                                                  | 1          |
| 29                 | PAOZZ              | 80205       | NAS1096-3-9        | • Screw, Machine .....                                                                                                      | 12         |
| 30                 | PAOZZ              | 80205       | NAS620-10L         | • Washer, Flat .....                                                                                                        | 6          |
| 31                 | PAOOO              | 8V613       | 7-311A21240        | • Duct Assembly, Air C .....                                                                                                | 1          |
| 32                 | XDOZZ              | 8V613       | 7-311A21240-9      | • Seal, Nonmetallic Ro .....                                                                                                | 1          |
| 33                 | PAOZZ              | 02731       | HS4174-2           | • Nut, Self-Locking, Pl .....                                                                                               | 1          |
| 34                 | PAOZZ              | 8V613       | 7-311A21240-11     | • Spacer, Environmenta .....                                                                                                | 1          |
| 35                 | PAOZZ              | 8V613       | 7-311A21240-7      | • Gasket .....                                                                                                              | 1          |
| 36                 | MOOZZ              | 8V613       | 7-311A21240-5      | • Seal, Environmental .....                                                                                                 | 1          |
| 37                 | PAOOO              | 8V613       | 7-311A21258-9      | • Stub, Duct Assy .....                                                                                                     | 1          |
| 38                 | XDOZZ              | 8V613       | 7-311A21258-7      | • Seal, Nonmetallic Ro .....                                                                                                | 1          |
| 39                 | PAOZZ              | 8V613       | 7-311A21258-13     | • Gasket .....                                                                                                              | 1          |
| 40                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                                                               | 2          |
| 41                 | PAOZZ              | 80205       | NAS620C10LP        | • Washer, Flat .....                                                                                                        | 12         |
| END OF FIGURE      |                    |             |                    |                                                                                                                             |            |



M09-620D

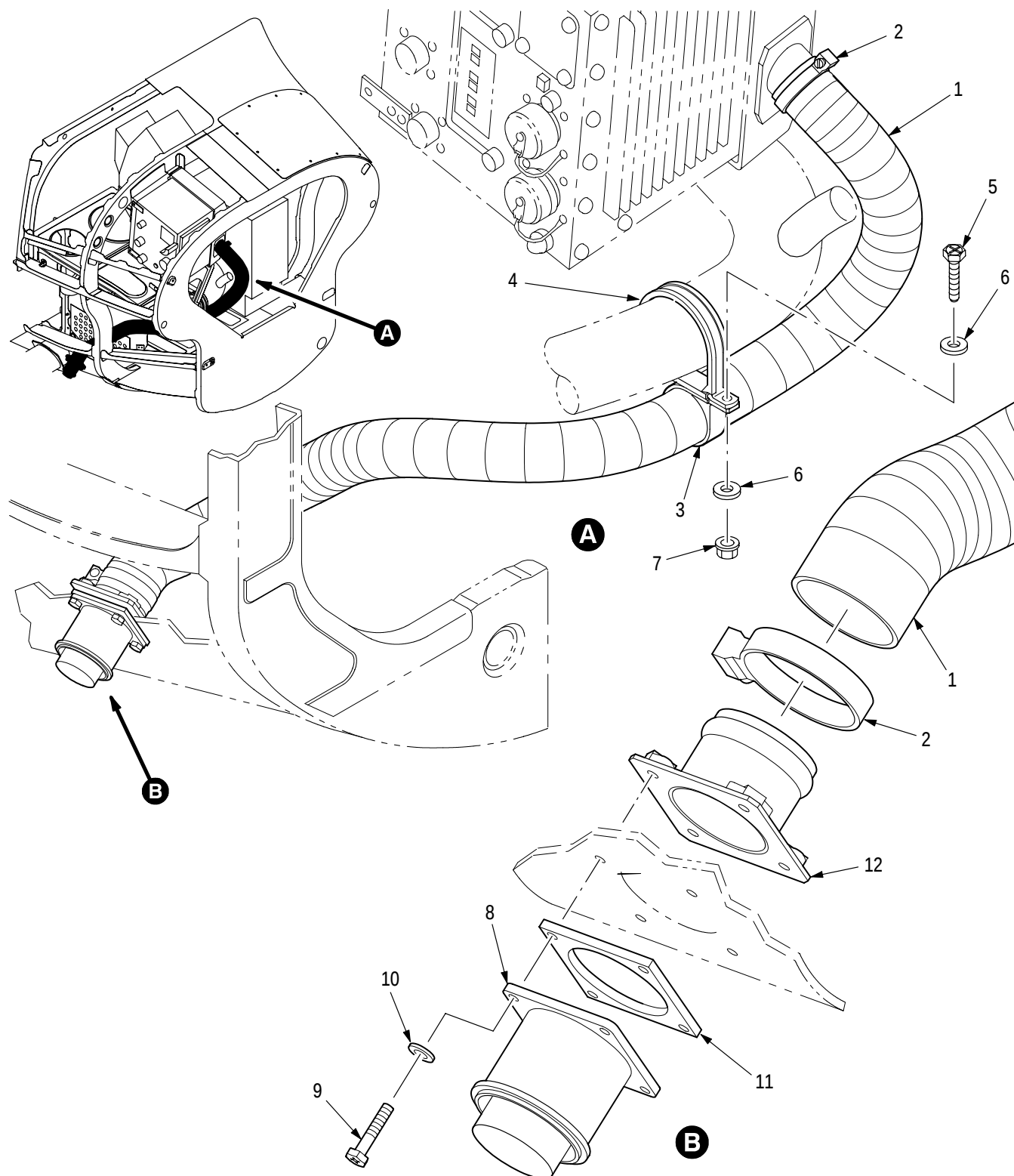
Figure 686. Group 13 Crew Environmental Control System RH  
7-311A21200

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Environmental Control System<br>Fig. 686 Crew Environmental Control System RH<br>7-311A21200 |            |
| 1                  | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                                         | 1          |
| 2                  | PAOZZ              | 80205       | NAS43DD3-24N       | • Spacer, Sleeve .....                                                                                | 2          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                                  | 21         |
| 4                  | PAOZZ              | 80205       | NAS603-14P         | • Screw, Machine .....                                                                                | 3          |
| 5                  | XDOZZ              | 80205       | NAS43DD3-10N       | • Spacer, Sleeve .....                                                                                | 2          |
| 6                  | PAOZZ              | 96906       | MS21919WDG16       | • Clamp, Loop .....                                                                                   | 3          |
| 7                  | XDOZZ              | 80205       | NAS1922-0125-1     | • Clamp, Hose .....                                                                                   | 4          |
| 8                  | PAOZZ              | 8V613       | 7-211A21237-37     | • Sleeve, Seal, Coupler .....                                                                         | 2          |
| 9                  | PAOOO              | 8V613       | 7-311A21274        | • Duct Assembly, Air C .....                                                                          | 1          |
| 10                 | MOOZZ              | 8V613       | 7-311A21274-5      | • Seal, Rubber Strip .....                                                                            | 1          |
| 11                 | PAOOO              | 8V613       | 7-311A21273        | • Duct Assembly, Air C .....                                                                          | 1          |
| 12                 | MOOZZ              | 8V613       | 7-311A21273-5      | • Seal, Rubber Strip .....                                                                            | 2          |
| 13                 | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....                                                                                | 29         |
| 14                 | PAOZZ              | 88044       | AN960XC10L         | • Washer, Flat .....                                                                                  | 16         |
| 15                 | PAOZZ              | 8V613       | 7-311A21260        | • Valve, Regulating, Te .....                                                                         | 2          |
| 16                 | PAOZZ              | 8V613       | 7-311A21276        | • Gasket .....                                                                                        | 2          |
| 17                 | PAOZZ              | 80205       | NAS1096-2-7        | • Screw, Machine .....                                                                                | 2          |
| 18                 | PAOZZ              | 88044       | AN960KD8L          | • Washer, Flat .....                                                                                  | 2          |
| 19                 | PAOZZ              | 80205       | NAS1096-3-9        | • Screw, Machine .....                                                                                | 12         |
| 20                 | PAOZZ              | 96906       | MS21919WDG40       | • Clamp, Loop .....                                                                                   | 4          |
| 21                 | PAOZZ              | 80205       | NAS1922-0275-3     | • Clamp, Hose .....                                                                                   | 10         |
| 22                 | PAOZZ              | 8V613       | 7-211A21237-27     | • Sleeve, Seal, Coupler .....                                                                         | 7          |
| 23                 | PAOOO              | 8V613       | 7-311A21272-17     | • Duct Assembly, Air C .....                                                                          | 1          |
| 24                 | MOOZZ              | 8V613       | 7-311A21272-5      | • Seal, Rubber Strip .....                                                                            | 1          |
| 25                 | MOOZZ              | 8V613       | 7-311A21272-7      | • Seal, Rubber Strip .....                                                                            | 1          |
| 26                 | PAOZZ              | 96906       | MS21073L3          | • Nut, Self-Locking, Pl .....                                                                         | 2          |
| 27                 | PAOZZ              | 8V613       | 7-311A21272-19     | • Shim .....                                                                                          | 1          |
| 28                 | PAOOO              | 8V613       | 7-311A21266        | • Duct Assembly, Air C .....                                                                          | 1          |
| 29                 | MOOZZ              | 8V613       | 7-311A21266-5      | • Seal, Rubber Strip .....                                                                            | 2          |
| 30                 | PAOZZ              | 8V613       | 7-311A21275-3      | • Restrictor, Fluid Fl .....                                                                          | 1          |
| 31                 | PAOZZ              | 02731       | HS4922-04-40-32    | • Clamp, Loop .....                                                                                   | 2          |
| 32                 | PAOOO              | 8V613       | 7-311A21265        | • Duct Assembly, Air C .....                                                                          | 1          |
| 33                 | MOOZZ              | 8V613       | 7-311A21265-5      | • Seal, Rubber Strip .....                                                                            | 2          |
| 34                 | PAOZZ              | 80205       | NAS603-11B         | • Screw, Machine .....                                                                                | 8          |
| 35                 | PAOZZ              | 8V613       | 7-311A21257        | • Valve, Butterfly .....                                                                              | 3          |
| 36                 | PAOZZ              | 8V613       | 7-311A21259        | • Gasket .....                                                                                        | 3          |
| 37                 | XDFZZ              | 8V613       | 7-211A21237-35     | • Sleeve, Seal, Coupler .....                                                                         | 2          |
| 38                 | PAOOO              | 8V613       | 7-311A21264        | • Duct Assembly, Air C .....                                                                          | 1          |
| 39                 | MOOZZ              | 8V613       | 7-311A21264-5      | • Seal, Rubber Strip .....                                                                            | 1          |
| 40                 | MOOZZ              | 8V613       | 7-311A21264-7      | • Seal, Rubber Strip .....                                                                            | 1          |
| 41                 | PAOZZ              | 02731       | HS4174-2           | • Nut, Self-Locking, Pl .....                                                                         | 4          |
| 42                 | PAOOO              | 8V613       | 7-311A21261        | • Duct Assembly, Air C .....                                                                          | 1          |
| 43                 | XDOZZ              | 8V613       | 7-311A21261-5      | • Seal, Rubber Strip .....                                                                            | 2          |
| 44                 | PAOOO              | 8V613       | 7-311A21279        | • Duct Assembly, Air C .....                                                                          | 1          |
| 45                 | XDOZZ              | 8V613       | 7-311A21279-7      | • Shim .....                                                                                          | 1          |
| 46                 | XDOZZ              | 8V613       | 7-311A21279-9      | • Shim .....                                                                                          | 1          |
| 47                 | MOOZZ              | 8V613       | 7-311A21279-5      | • Seal, Rubber Strip .....                                                                            | 1          |
| 48                 | PAOZZ              | 96906       | MS21073L3          | • Nut, Self-Locking, Pl .....                                                                         | 2          |
| 49                 | PAOZZ              | 80205       | MS21075L3E         | • Nut, Self-Locking, Pl .....                                                                         | 2          |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 50                 | PAOZZ              | 80205       | NAS1922-0200-3     | • Clamp, Hose .....                         | 10         |
| 51                 | PAOZZ              | 8V613       | 7-211A21237-5      | • Sleeve, Seal, Coupler .....               | 7          |
| 52                 | PAOOO              | 8V613       | 7-311A21280        | • Duct Assembly, Air C .....                | 1          |
| 53                 | MOOZZ              | 8V613       | 7-311A21280-5      | • • Seal, Rubber Strip .....                | 2          |
| 54                 | PAOOO              | 8V613       | 7-311A21270        | • Duct Assembly, Air C .....                | 1          |
| 55                 | MOOZZ              | 8V613       | 7-311A21270-5      | • • Seal, Rubber Strip .....                | 1          |
| 56                 | MOOZZ              | 8V613       | 7-311A21270-7      | • • Seal, Rubber Strip .....                | 2          |
| 57                 | PAOZZ              | 80205       | NAS603-20P         | • Screw, Machine .....                      | 1          |
| 58                 | PAOZZ              | 96906       | MS21919WDG32       | • Clamp, Loop .....                         | 3          |
| 59                 | PAOOO              | 8V613       | 7-311A21268        | • Duct Assembly, Air C .....                | 1          |
| 60                 | MOOZZ              | 8V613       | 7-311A21268-5      | • • Seal, Rubber Strip .....                | 2          |
| 61                 | PAOOO              | 8V613       | 7-311A21262        | • Duct Assembly, Air C .....                | 1          |
| 62                 | MOOZZ              | 8V613       | 7-311A21262-5      | • • Seal, Rubber Strip .....                | 1          |
| 63                 | XDOZZ              | 8V613       | 7-311A21262-7      | • • Seal, Rubber Strip .....                | 2          |
| 64                 | PAOZZ              | 8V613       | 7-311A21250-3      | • Valve, Butterfly .....                    | 3          |
| 65                 | PAOZZ              | 8V613       | 7-311A21256        | • Gasket .....                              | 3          |
| 66                 | PAOOO              | 8V613       | 7-311A21203        | • Duct Assy, Environme .....                | 1          |
| 67                 | MOOZZ              | 8V613       | 7-311A21203-7      | • • Seal, Rubber Strip .....                | 1          |
| 68                 | XDOZZ              | 8V613       | 7-311A21203-9      | • • Seal, Rubber Strip .....                | 1          |
| 69                 | PAOZZ              | 96906       | MS21073L3          | • • Nut, Self-Locking, Pl .....             | 2          |
| 70                 | XDOZZ              | 8V613       | 7-311A21203-13     | • • Shim .....                              | 1          |
| 71                 | PAOZZ              | 80205       | NAS620C10LP        | • Washer, Flat .....                        | 12         |
| 72                 | XDOZZ              | 8V613       | 7-311A21200-3      | • Fastener Tape, Pile .....                 | 3          |
| END OF FIGURE      |                    |             |                    |                                             |            |





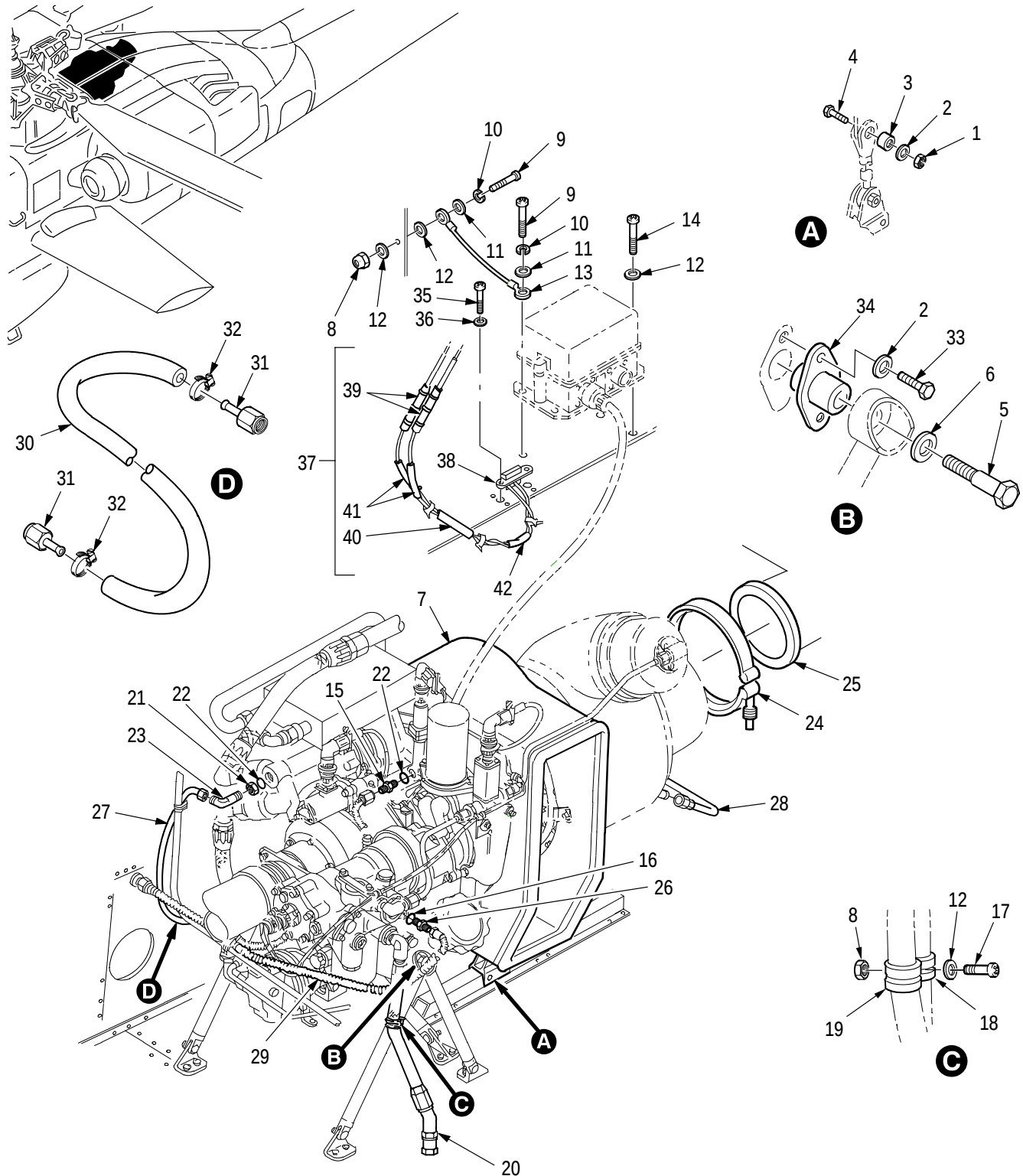
M09-1601

Figure 686A. Group 13 Duct and Blower Installation  
7-311A21400-101 A/C With MWO 9-1230-476-50-02 Incorporated

## SECTION II

TM 1-1520-238-23P

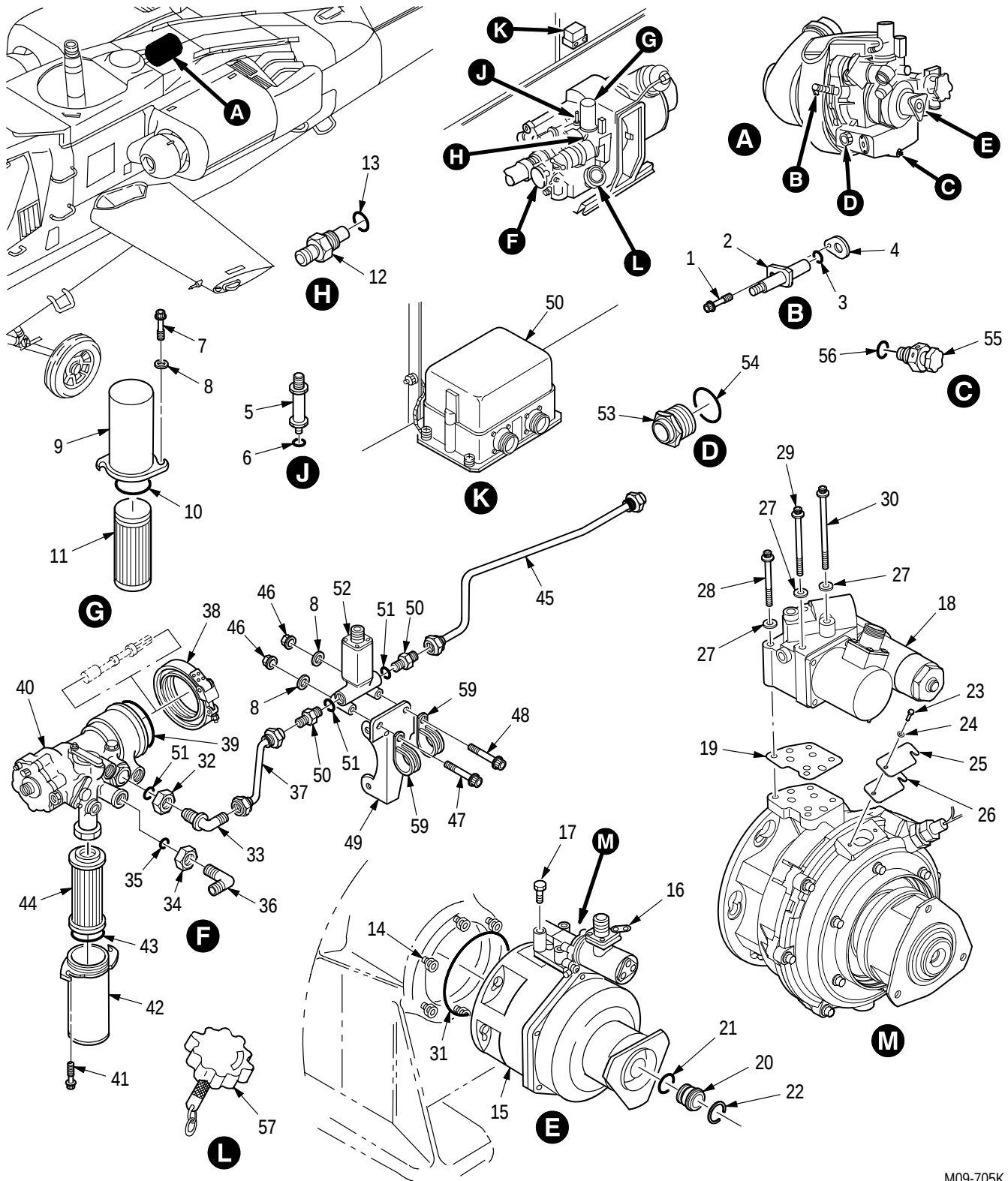
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 13 Airframe<br>Fig. 686A Duct and Blower Installation<br>7-311A21400-101<br>A/C With MWO 9-1230-476-50-02 Incorporated |            |
| 1                  | PAOZZ              | 8V613       | 7-311A21173-001    | • Duct, Flexible<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                                     | 1          |
| 2                  | PAOZZ              | 80205       | NAS1922-0150-1     | • Clamp, Hose<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                                        | 2          |
| 3                  | PAOZZ              | 96906       | MS21919WDG26       | • Clamp, Loop<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                                        | 1          |
| 4                  | PAOZZ              | 96906       | MS21919WDG40       | • Clamp, Loop<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                                        | 1          |
| 5                  | PAOZZ              | 80205       | NAS1801-3-10       | • Screw, Machine<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                                     | 1          |
| 6                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, Flat<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                                       | 2          |
| 7                  | PAOZZ              | 96906       | MS21042L3          | • Nut, Self Locking, Ex<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                              | 1          |
| 8                  | PAOZZ              | 8V613       | 7-311A21170-001    | • Blower<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                                             | 1          |
| 9                  | PAOZZ              | 80205       | NAS1801-06-12      | • Screw, Machine<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                                     | 4          |
| 10                 | PAOZZ              | 80205       | NAS620-6L          | • Washer, Flat<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                                       | 4          |
| 11                 | PAOZZ              | 8V613       | 7-311A21171-001    | • Gasket<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                                             | 1          |
| 12                 | PAOZZ              | 8V613       | 7-311A21172-101    | • Fitting, Duct Flexib<br>A/C With MWO 9-1230-476-50-02 Incorporated . . . . .                                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                              |            |



M09-469N

Figure 687. Group 15 Auxiliary Power Unit Installation  
7-311651000-601

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER  | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|---------------------|-------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                     | Group 15 Auxiliary Power Plant<br>Fig. 687 Auxiliary Power Unit Installation<br>7-311651000-601 |            |
| 1                  | PAOZZ              | 80205       | MS21042-4           | • Nut, Self-Locking, Ex . . . . .                                                               | 1          |
| 2                  | PAOZZ              | 80205       | NAS1149F0432P       | • Washer, Flat . . . . .                                                                        | 5          |
| 3                  | PAOZZ              | 02731       | HS626-S-4-130       | • Bushing, Sleeve . . . . .                                                                     | 1          |
| 4                  | PAOZZ              | 80205       | NAS6604H10          | • Bolt, Shear . . . . .                                                                         | 1          |
| 5                  | PAOZZ              | 80205       | NAS1297-5H9         | • Bolt, Shoulder . . . . .                                                                      | 2          |
| 6                  | PAOZZ              | 88044       | NAS1149F0663P       | • Washer, Flat . . . . .                                                                        | 2          |
| 7                  | PAODD              | 8V613       | 7-211651002-5       | • Engine, Gas Turbine<br>(See Figs. 688 thru 690 for Breakdown) . . . . .                       | 1          |
| 8                  | PAOZZ              | 80205       | MS21042-3           | • Nut, Self-Locking, Ex . . . . .                                                               | 4          |
| 9                  | PAOZZ              | 02731       | HS4179-3-6          | • Screw, Machine . . . . .                                                                      | 2          |
| 10                 | PAOZZ              | 96906       | MS35338-138         | • Washer, Lock . . . . .                                                                        | 2          |
| 11                 | PAOZZ              | 80205       | NAS1149C0332R       | • Washer, Flat . . . . .                                                                        | 2          |
| 12                 | PAOZZ              | 88044       | NAS1149D0316H       | • Washer, Flat . . . . .                                                                        | 4          |
| 13                 | PAOZZ              | 81349       | M83413/8-G06BB      | • Lead, Electrical . . . . .                                                                    | 1          |
| 14                 | PAOZZ              | 80205       | NAS1096-3-9         | • Screw, Machine . . . . .                                                                      | 3          |
| 15                 | PAOZZ              | 8V613       | 7-311651014         | • Adapter, Vent . . . . .                                                                       | 1          |
| 16                 | PAOZZ              | 96906       | MS28778-3           | • O-Ring . . . . .                                                                              | 1          |
| 17                 | PAOZZ              | 80205       | NAS1403-3           | • Screw, Machine . . . . .                                                                      | 2          |
| 18                 | PAOZZ              | 96906       | MS21919WDF9         | • Clamp, Loop . . . . .                                                                         | 1          |
| 19                 | PAOZZ              | 96906       | MS21919WDF14        | • Clamp, Loop . . . . .                                                                         | 1          |
| 20                 | PAOZZ              | 8V613       | 7-211643064-3       | • Hose Assembly, Nonme . . . . .                                                                | 1          |
| 21                 | PAOZZ              | 88044       | AN924-4             | • Nut, Plain, Hexagon . . . . .                                                                 | 1          |
| 22                 | PAOZZ              | 96906       | MS28778-4           | • O-Ring . . . . .                                                                              | 2          |
| 23                 | PAOZZ              | 96906       | MS21926-4           | • Elbow, Tube . . . . .                                                                         | 1          |
| 24                 | PAOZZ              | 8V613       | 7-211651005         | • Coupling, Clamp Auxi . . . . .                                                                | 1          |
| 25                 | PAOZZ              | 8V613       | 7-211651003         | • Nozzle, Exhaust . . . . .                                                                     | 1          |
| 26                 | PAOZZ              | 96906       | MS21902D4           | • Nipple, Boss . . . . .                                                                        | 1          |
| 27                 | PAOZZ              | 05593       | CRN-2894-1-0130     | • Hose Assembly, Nonme . . . . .                                                                | 1          |
| 28                 | PAOZZ              | 8V613       | 7-211651008         | • Hose Assembly, Nonme . . . . .                                                                | 1          |
| 29                 | PAOZZ              | 02731       | HS4546-1-240        | • Tubing, Flexible, Pla . . . . .                                                               | 1          |
| 30                 | MOOZZ              | 61501       | R3603 3/16X5/16 X25 | • Tubing, Nonmetallic . . . . .                                                                 | 1          |
| 31                 | PAOZZ              | 8V613       | 7-211310218-609     | • Tube Assembly, Metal . . . . .                                                                | 2          |
| 32                 | PAOZZ              | 02731       | HS4568-25           | • Clamp, Hose . . . . .                                                                         | 2          |
| 33                 | PAOZZ              | 80205       | NAS6604H3           | • Bolt, Shear . . . . .                                                                         | 4          |
| 34                 | PAOZZ              | 8V613       | 7-211651019         | • Fitting Mount . . . . .                                                                       | 2          |
| 35                 | PAOZZ              | 80205       | NAS600-10P          | • Screw, Machine . . . . .                                                                      | 2          |
| 36                 | PAOZZ              | 88044       | NAS1149CN432R       | • Washer, Flat . . . . .                                                                        | 2          |
| 37                 | XCOOO              | 8V613       | 7-311B24657-003     | • Wiring Harness W657 . . . . .                                                                 | 1          |
| 38                 | PAOZZ              | 02731       | HS5906-1            | • • Meter, Time Totalizi . . . . .                                                              | 1          |
| 39                 | PAOZZ              | 02731       | HS4800-122          | • • Terminal Junction B . . . . .                                                               | 2          |
| 40                 | XDOZZ              | 02731       | HS4910-1002         | • • Marker Blanks, Cable . . . . .                                                              | 1          |
| 41                 | XDOZZ              | 02731       | HS5189-1091         | • • Sleeve, Marker, Cable . . . . .                                                             | 2          |
| 42                 | XDOZZ              | 02731       | HS5189-1181         | • • Sleeve, Marker, Cable . . . . .                                                             | 1          |
| END OF FIGURE      |                    |             |                     |                                                                                                 |            |



M09-705K

Figure 688. Group 15 Engine, Gas Turbine (Front)  
7-211651002-5

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 688 Engine, Gas Turbine (Front)<br>7-211651002-5<br>See Fig. 687 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS9556-07          | • Bolt, Machine .....                                                                                           | 1          |
| 2                  | PAOZZ              | 99193       | 3876000-1          | • Transducer, Motional .....                                                                                    | 1          |
| 3                  | PAOZZ              | 99193       | S9413-016          | • Packing, Preformed .....                                                                                      | 1          |
| 4                  | PAOZZ              | 99193       | 3876006-1          | • Shim .....                                                                                                    | 1          |
| 5                  | PAOZZ              | 99193       | 3876001-3          | • Switch, Pressure .....                                                                                        | 1          |
| 6                  | PAOZZ              | 99193       | S9413-554          | • Packing, Preformed .....                                                                                      | 3          |
| 7                  | PAOZZ              | 96906       | MS9565-08          | • Bolt, Machine .....                                                                                           | 2          |
| 8                  | PAOZZ              | 80205       | NAS620C10L         | • Washer, Flat .....                                                                                            | 2          |
| 9                  | PAOZZ              | 99193       | 899790-6           | • Housing, Filter .....                                                                                         | 1          |
| 10                 | PAOZZ              | 99193       | S9413-034          | • Packing, Preformed .....                                                                                      | 1          |
| 11                 | PAOZZ              | 99193       | 3001436-1          | • Filter Element, Flui .....                                                                                    | 1          |
| 12                 | PAOZZ              | 99193       | 3862095-2          | • Bolt, Fluid Passage .....                                                                                     | 1          |
| 13                 | PAOZZ              | 81349       | M83248/1-903       | • O-Ring .....                                                                                                  | 1          |
| 14                 | PAOZZ              | 99193       | S9431-5            | • Nut, Self-Locking, He .....                                                                                   | 6          |
| 15                 | PAODD              | 99193       | 3886000-5          | • Clutch Assy, APU .....                                                                                        | 1          |
| 15                 | PAODD              | 99193       | 3617950-1          | • Clutch Assy .....                                                                                             | 1          |
| 16                 | PAOZZ              | 81349       | M83413/8-A02BB     | • • Lead, Electrical (U/O P/N 3886000-5) .....                                                                  | 1          |
| 17                 | PAOZZ              | 96906       | MS21279-14         | • • Bolt, Machine (U/O P/N 3886000-5) .....                                                                     | 3          |
| 18                 | PAOZZ              | 99193       | 320462-2           | • • Valve, Solenoid (U/O P/N 3886000-5) .....                                                                   | 1          |
| 18                 | PAOZZ              | 99193       | 3886215-1          | • • Valve, Solenoid (U/O P/N 3617950-1) .....                                                                   | 1          |
| 19                 | PAOZZ              | 99193       | 3886024-1          | • • Gasket (U/O P/N 3886000-5) .....                                                                            | 1          |
| 19                 | PAOZZ              | 99193       | 3886228-1          | • • Gasket (U/O P/N 3617950-1) .....                                                                            | 1          |
| 20                 | PAOZZ              | 99193       | 3886028-1          | • • Plug, Shaft (U/O P/N 3886000-5) .....                                                                       | 1          |
| 21                 | XDOZZ              | 25184       | S9413-113          | • • Packing, Preformed (U/O P/N 3886000-5) .....                                                                | 1          |
| 22                 | PAOZZ              | 81349       | M27426-3112D       | • • Ring, Retaining (U/O P/N 3886000-5) .....                                                                   | 1          |
| 23                 | PAOZZ              | 80205       | NAS1191E02T3LK     | • • Screw, Cap, Socket He (U/O P/N 3886000-5) .....                                                             | 2          |
| 23                 | PAOZZ              | 96906       | MS51957-5          | • • Screw, Machine (U/O P/N 3617950-1) .....                                                                    | 2          |
| 24                 | PAOZZ              | 99193       | S8157N351-020      | • • Washer, Flat (U/O P/N 3886000-5) .....                                                                      | 2          |
| 25                 | PAOZZ              | 99193       | 3886022-4          | • • Nameplate (U/O P/N 3886000-5) .....                                                                         | 1          |
| 25                 | PAOZZ              | 99193       | 3617966-1          | • • Plate, Ident (U/O P/N 3617950-1) .....                                                                      | 1          |
| 26                 | PAOZZ              | 99193       | 3886023-2          | • • Gasket (U/O P/N 3886000-5) .....                                                                            | 1          |
| 26                 | PAOZZ              | 99193       | 3617967-1          | • • Gasket (U/O P/N 3617950-1) .....                                                                            | 1          |
| 27                 | PAOZZ              | 80205       | NAS620C10L         | • • Washer, Flat (U/O P/N 3617950-1) .....                                                                      | 4          |
| 28                 | PAOZZ              | 96906       | MS9556-27          | • • Bolt, Machine (U/O P/N 3617950-1) .....                                                                     | 1          |
| 29                 | PAOZZ              | 96906       | MS9556-31          | • • Bolt, Machine (U/O P/N 3617950-1) .....                                                                     | 1          |
| 30                 | PAOZZ              | 96906       | MS9556-35          | • • Bolt, Machine (U/O P/N 3617950-1) .....                                                                     | 1          |
| 31                 | PAOZZ              | 99193       | S9413-241          | • Packing, Preformed .....                                                                                      | 1          |
| 32                 | PAOZZ              | 88044       | AN924-4J           | • Nut, Plain, Hexagon .....                                                                                     | 1          |
| 33                 | PAOZZ              | 88044       | AN833-4J           | • Elbow, Tube .....                                                                                             | 1          |
| 34                 | PAOZZ              | 81352       | AN924-6J           | • Nut, Plain, Hexagon .....                                                                                     | 1          |
| 35                 | PAOZZ              | 99193       | S9412-556          | • Packing, Preformed .....                                                                                      | 1          |
| 36                 | PAOZZ              | 96906       | MS21908-J6         | • Elbow, Tube .....                                                                                             | 1          |
| 37                 | PAOZZ              | 99193       | 3882522-1          | • Tube Assembly, Metal .....                                                                                    | 1          |
| 38                 | PAOZZ              | 99193       | 234-511-9059       | • Coupling, Clamp, Groo .....                                                                                   | 1          |
| 39                 | PAOZZ              | 99193       | S9413-036          | • Packing, Preformed .....                                                                                      | 1          |
| 40                 | PAODD              | 99193       | 3882660-2          | • Fuel Control Assy, A .....                                                                                    | 1          |
| 41                 | PAOZZ              | 96906       | MS9556-08          | • • Bolt, Machine .....                                                                                         | 2          |
| 42                 | PAOZZ              | 99193       | 3882608-2          | • • Cover, Fluid Filter .....                                                                                   | 1          |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 43                 | PAOZZ              | 99193       | S9412-138          | • • Packing, Preformed .....                | 1          |
| 44                 | PAOZZ              | 99193       | 3882693-1          | • • Filter Assembly, Fue .....              | 1          |
| 45                 | PAOZZ              | 99193       | 3882539-1          | • Tube Assembly, Metal .....                | 1          |
| 46                 | PAOZZ              | 99193       | S9425-3            | • Nut, Self-Locking, Ex .....               | 1          |
| 47                 | PAOZZ              | 96906       | MS9556-24          | • Bolt .....                                | 1          |
| 48                 | PAOZZ              | 96906       | MS9556-25          | • Bolt, Machine .....                       | 1          |
| 49                 | PAOZZ              | 99193       | 3882644-2          | • Bracket, Solenoid .....                   | 1          |
| 50                 | PAOZZ              | 88044       | AN815-4J           | • Nipple, Boss .....                        | 2          |
| 51                 | PAOZZ              | 99193       | S9412-554          | • Packing, Preformed .....                  | 3          |
| 52                 | PAOZZ              | 99193       | 692545-6           | • Valve, Solenoid 2 Wy .....                | 1          |
| 53                 | PAOZZ              | 99193       | 421-517-9501       | • Indicator, Sight, Liq .....               | 1          |
| 54                 | PAOZZ              | 81349       | M83248/1-916       | • O-Ring .....                              | 1          |
| 55                 | PAOZZ              | 99193       | 572-510-9151       | • Plug, Machine Thread .....                | 1          |
| 56                 | PAOZZ              | 81349       | M83248/1-905       | • O-Ring .....                              | 1          |
| 57                 | PAOZZ              | 99193       | 899979-4           | • Cap, Oil Filler .....                     | 1          |
| 58                 | PAODD              | 64547       | 2101790-6-3        | • Control, Temperature .....                | 1          |
| 59                 | PAOZZ              | 99193       | TA12C59TH02HB      | • Clamp, Loop .....                         | 1          |
| END OF FIGURE      |                    |             |                    |                                             |            |



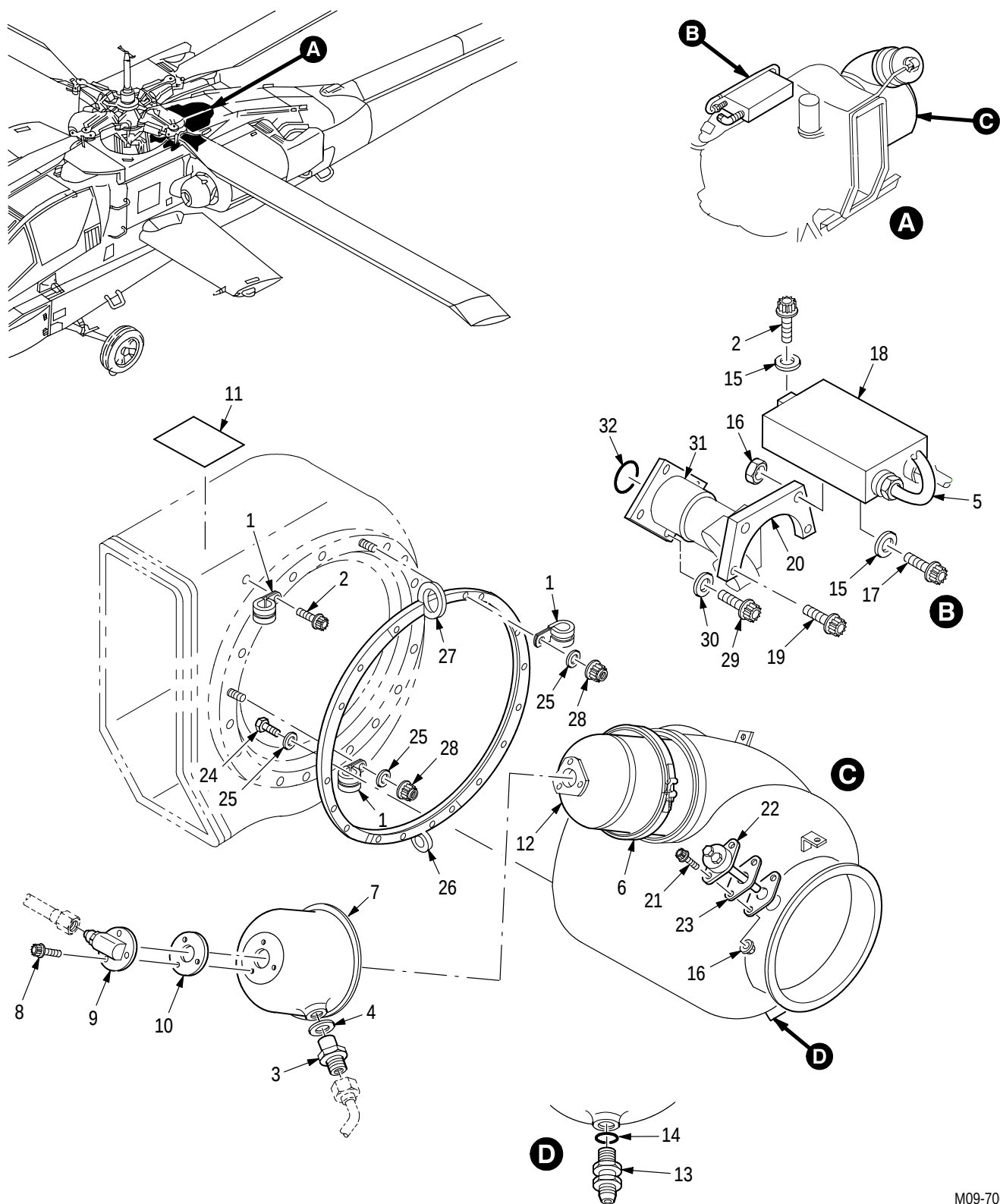
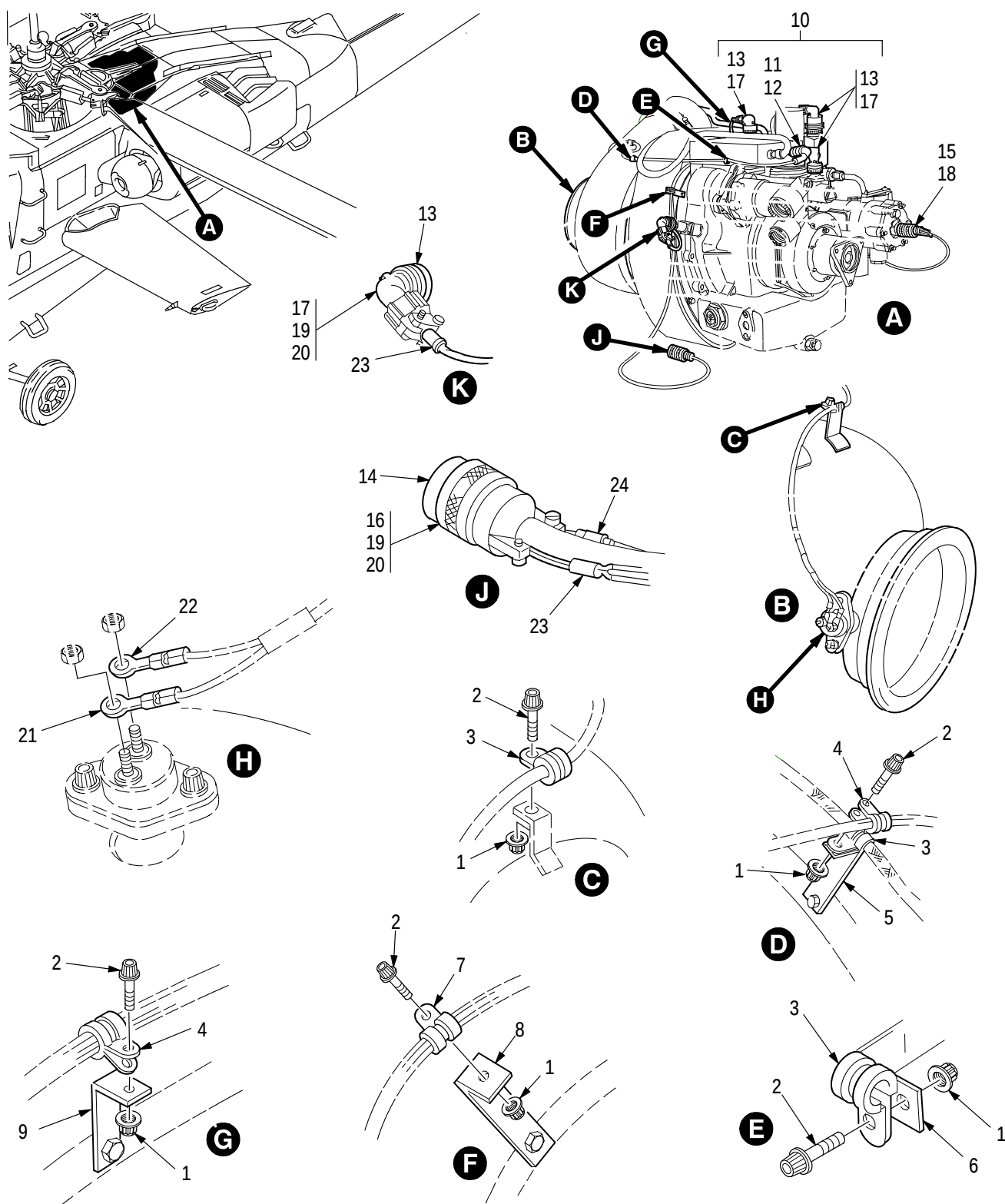


Figure 689. Group 15 Engine, Gas Turbine (Rear)  
7-211651002-5

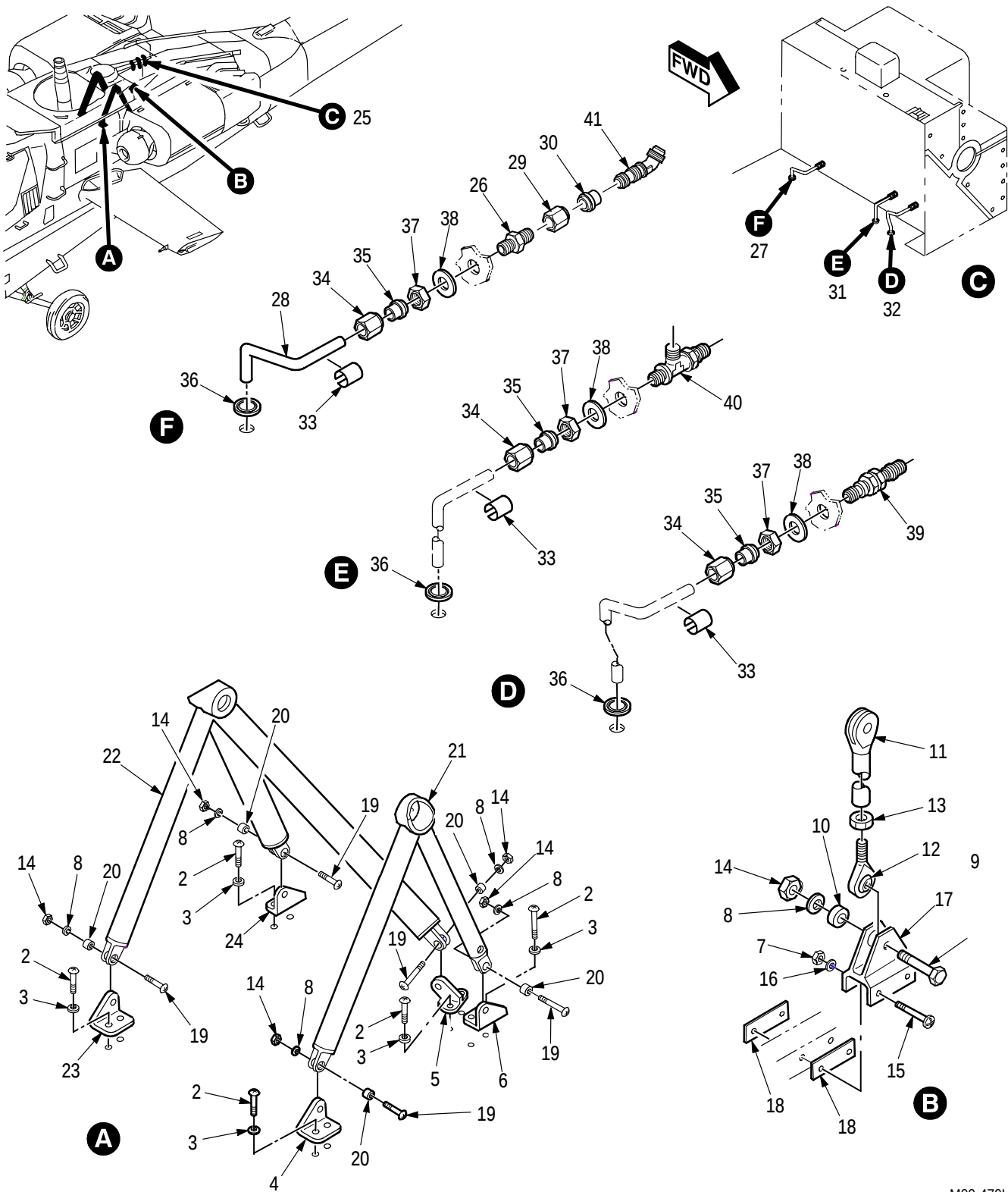
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 689 Engine, Gas Turbine (Rear)<br>7-211651002-5<br>See Fig. 687 for NHA |            |
| 1                  | PAOZZ              | 99193       | 211-501-9115       | • Clamp .....                                                                                                  | 3          |
| 2                  | PAOZZ              | 96906       | MS9556-05          | • Bolt, Machine .....                                                                                          | 3          |
| 3                  | PAOZZ              | 99193       | 369964-6           | • Igniter, Spark, Gas T .....                                                                                  | 1          |
| 4                  | PAOZZ              | 99193       | 12707391           | • Gasket, Ignitor .....                                                                                        | 1          |
| 5                  | PAOZZ              | 99193       | 3888113-1          | • Lead, Electrical .....                                                                                       | 1          |
| 6                  | PAOZZ              | 99193       | 234-538-9530       | • Clamp .....                                                                                                  | 1          |
| 7                  | PAOZZ              | 99193       | 3830037-2          | • Cap, Comb Chamber .....                                                                                      | 1          |
| 8                  | PAOZZ              | 96906       | MS9565-06          | • Bolt, Machine .....                                                                                          | 3          |
| 9                  | PAOZZ              | 99193       | 3830061-2          | • Nozzle, Fuel .....                                                                                           | 1          |
| 10                 | PAOZZ              | 99193       | 3612610-1          | • Gasket .....                                                                                                 | 1          |
| 11                 | XDOZZ              | 99193       | 759334-1           | • Plate, Ident .....                                                                                           | 1          |
| 12                 | PAODD              | 99193       | 3830077-4          | • Combustion Chamber .....                                                                                     | 1          |
| 13                 | PAOZZ              | 99193       | 968214-1           | • Valve Assy .....                                                                                             | 1          |
| 14                 | PAOZZ              | 99193       | S9413-554          | • Packing, Preformed .....                                                                                     | 1          |
| 15                 | PAOZZ              | 88044       | AN960C10L          | • Washer, Flat .....                                                                                           | 2          |
| 16                 | PAOZZ              | 99193       | S9425-3            | • Nut, Self-Locking, Ex .....                                                                                  | 2          |
| 17                 | PAOZZ              | 96906       | MS9556-14          | • Bolt, Machine .....                                                                                          | 2          |
| 18                 | PAOZZ              | 99193       | 3888042-3          | • Ignition Unit .....                                                                                          | 1          |
| 19                 | PAOZZ              | 96906       | MS9557-13          | • Bolt .....                                                                                                   | 3          |
| 20                 | PAOZZ              | 99193       | 3888112-1          | • Bracket, Ignition .....                                                                                      | 1          |
| 21                 | PAOZZ              | 96906       | MS9556-07          | • Bolt, Machine .....                                                                                          | 2          |
| 22                 | PAOZZ              | 99193       | 3876003-1          | • Thermocouple, Immers .....                                                                                   | 1          |
| 23                 | PAOZZ              | 99193       | 3612517-1          | • Gasket .....                                                                                                 | 1          |
| 24                 | PAOZZ              | 96906       | MS9565-16          | • Bolt, Machine .....                                                                                          | 24         |
| 25                 | PAOZZ              | 80205       | NAS620-10L         | • Washer, Flat .....                                                                                           | 22         |
| 26                 | PAOZZ              | 99193       | 3870036-1          | • Mount Assembly, APU .....                                                                                    | 1          |
| 27                 | PAOZZ              | 99193       | 3870015-1          | • Adapter, Hoisting .....                                                                                      | 1          |
| 28                 | PAOZZ              | 99193       | S9431-3            | • Nut, Self-Locking, Ex .....                                                                                  | 20         |
| 29                 | PAOZZ              | 96906       | MS9557-12          | • Bolt .....                                                                                                   | 1          |
| 30                 | PAOZZ              | 80205       | NAS620C416L        | • Washer, Flat .....                                                                                           | 1          |
| 31                 | PAODD              | 99193       | 4100196-2          | • Starter, Hydraulic .....                                                                                     | 1          |
| 32                 | PAOZZ              | 99193       | S9413-034          | • Packing, Preformed .....                                                                                     | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                |            |



M09-707D

Figure 690. Group 15 Engine, Gas Turbine (Wiring Harness)  
7-211651002-5

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 690 Engine, Gas Turbine (Wiring Harness)<br>7-211651002-5<br>See Fig. 687 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....                                                                                            | 7          |
| 2                  | PAOZZ              | 96906       | MS9556-24          | • Bolt .....                                                                                                             | 2          |
| 3                  | PAOZZ              | 99193       | TA12C59TH02HB      | • Clamp, Loop .....                                                                                                      | 4          |
| 4                  | PAOZZ              | 99193       | TA12C59TH03HB      | • Clamp, Loop .....                                                                                                      | 1          |
| 5                  | PAOZZ              | 96906       | MS9592-027         | • Bracket, Angle .....                                                                                                   | 1          |
| 6                  | PAOZZ              | 96906       | MS9592-014         | • Bracket, Angle .....                                                                                                   | 1          |
| 7                  | PAOZZ              | 99193       | TA12C59TH04HB      | • Clamp, Loop .....                                                                                                      | 1          |
| 8                  | PAOZZ              | 96906       | MS9592-020         | • Bracket, Angle .....                                                                                                   | 1          |
| 9                  | PAOZZ              | 96906       | MS9592-048         | • Bracket, Angle .....                                                                                                   | 1          |
| 10                 | PAOFF              | 99193       | 3888085-4          | • Wiring Harness .....                                                                                                   | 1          |
| 11                 | PAFZZ              | 96906       | M85049/47W10       | • Adapter, Cable Clamp .....                                                                                             | 1          |
| 12                 | PAFZZ              | 96906       | MS27467T11F98S     | • Connector, Plug, Elec .....                                                                                            | 1          |
| 13                 | PAFZZ              | 96906       | MS3456L10SL3S      | • Connector, Plug, Elec .....                                                                                            | 1          |
| 14                 | PAFZZ              | 81349       | M83723/76R1831N    | • Connector, Plug, Elec .....                                                                                            | 1          |
| 15                 | PAFZZ              | 81349       | M83723-86R1005N    | • Connector, Plug, Elec .....                                                                                            | 1          |
| 16                 | PAFZZ              | 81349       | M85049/52-1-18W    | • Clamp, Cable, Electri .....                                                                                            | 1          |
| 17                 | PAFZZ              | 81349       | M83723/35A11R      | • Adapter, Cable Clamp .....                                                                                             | 4          |
| 18                 | PAFZZ              | 81349       | MS3418-10N         | • Clamp, Cable, Electri .....                                                                                            | 1          |
| 19                 | XDFZZ              | 81349       | M83723-23-20       | • Connector, Rcpt .....                                                                                                  | V          |
| 20                 | PAFZZ              | 81349       | M83723-28-16       | • Connector, Rcpt .....                                                                                                  | V          |
| 21                 | PAFZZ              | 99193       | 724-505-9014       | • Terminal, Lug .....                                                                                                    | 1          |
| 22                 | PAFZZ              | 99193       | 724-505-9013       | • Terminal, Lug .....                                                                                                    | 1          |
| 23                 | PAFZZ              | 99193       | 672-503-9002       | • Splice, Conductor .....                                                                                                | 2          |
| 24                 | PAFZZ              | 99193       | 672-503-9003       | • Splice, Conductor .....                                                                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                          |            |

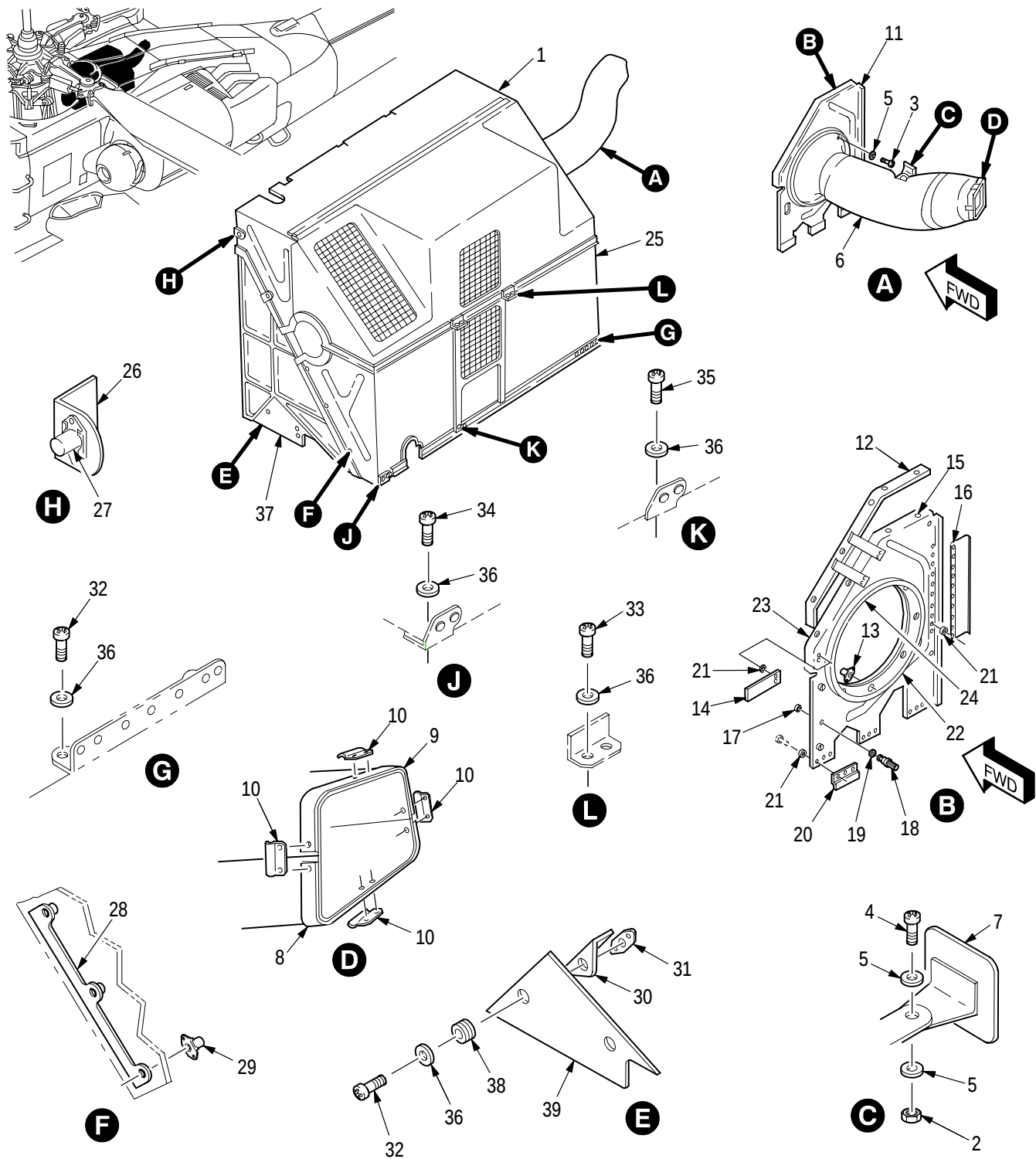


M09-470L

Figure 691. Group 15 Auxiliary Power Unit Mount and Drain Installation  
7-311650000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 691 Auxiliary Power Unit Mount and<br>Drain Installation<br>7-311650000 |            |
| 1                  | XCOOO              | 8V613       | 7-311651006-601    | • Mount Instl, Apu (Not Illustrated-Installation Drawing) . . . .                                              | 1          |
| 2                  | PAOZZ              | 80205       | NAS1403-6          | •• Screw, Machine . . . . .                                                                                    | 6          |
| 3                  | PAOZZ              | 80205       | NAS620C10L         | •• Washer, Flat . . . . .                                                                                      | 10         |
| 4                  | PAOZZ              | 8V613       | 7-117500021        | •• Fitting . . . . .                                                                                           | 1          |
| 5                  | PAOZZ              | 8V613       | 7-117500022-3      | •• Fitting . . . . .                                                                                           | 1          |
| 6                  | PAOZZ              | 8V613       | 7-117500037        | •• Fitting . . . . .                                                                                           | 1          |
| 7                  | PAOZZ              | 80205       | MS21042-3          | •• Nut, Self-Locking, Ex . . . . .                                                                             | 2          |
| 8                  | PAOZZ              | 88044       | AN960-416L         | •• Washer, Flat . . . . .                                                                                      | 6          |
| 9                  | PAOZZ              | 80205       | NAS6604H10         | •• Bolt, Shear . . . . .                                                                                       | 1          |
| 10                 | PAOZZ              | 02731       | HS626-S-4-130      | •• Bushing, Sleeve . . . . .                                                                                   | 1          |
| 11                 | PAOZZ              | 8V613       | 7-211651007        | •• Strut Support, Auxil . . . . .                                                                              | 1          |
| 12                 | PAOZZ              | 81343       | M81935/1-04        | •• Bearing, Plain, Rod E . . . . .                                                                             | 1          |
| 13                 | PAOZZ              | 88044       | AN316C5R           | •• Nut, Plain, Hexagon . . . . .                                                                               | 1          |
| 14                 | PAOZZ              | 80205       | MS21042-4          | •• Nut, Self-Locking, Ex . . . . .                                                                             | 6          |
| 15                 | PAOZZ              | 80205       | NAS1403-18         | •• Screw, Machine . . . . .                                                                                    | 1          |
| 16                 | PAOZZ              | 59875       | TX90790-34         | •• Washer, Flat . . . . .                                                                                      | 2          |
| 17                 | PAOZZ              | 8V613       | 7-211651009        | •• Fitting, Auxiliary P . . . . .                                                                              | 1          |
| 18                 | PAOZZ              | 8V613       | 7-311651006-3      | •• Shim . . . . .                                                                                              | V          |
| 19                 | PAOZZ              | 80205       | NAS6604H9          | •• Bolt, Shear . . . . .                                                                                       | 5          |
| 20                 | PAOZZ              | 02731       | HS626-S-4-205      | •• Bushing, Sleeve . . . . .                                                                                   | 5          |
| 21                 | PAOZZ              | 8V613       | 7-311651028        | •• Truss Assembly . . . . .                                                                                    | 1          |
| 22                 | PAOZZ              | 8V613       | 7-311651027        | •• Truss, Support . . . . .                                                                                    | 1          |
| 23                 | PAOZZ              | 8V613       | 7-311651020        | •• Fitting, Auxiliary P . . . . .                                                                              | 1          |
| 24                 | PAOZZ              | 8V613       | 7-311651021        | •• Fitting, Mount . . . . .                                                                                    | 1          |
| 25                 | XCOOO              | 8V613       | 7-311651010        | • Drain Line Instl . . . . .                                                                                   | 1          |
| 26                 | PAOZZ              | 96906       | MS21924-4S         | •• Union . . . . .                                                                                             | 1          |
| 27                 | MFOFF              | 8V613       | 7-311651011-5      | •• Tube Assy . . . . .                                                                                         | 1          |
| 28                 | PAOZZ              | 8V613       | 7-311651011-7      | ••• Tube, Metallic . . . . .                                                                                   | 1          |
| 29                 | PAOZZ              | 96906       | MS21921-4J         | ••• Nut, Tube Coupling . . . . .                                                                               | 1          |
| 30                 | PAOZZ              | 96906       | MS21922-4          | ••• Sleeve, Clinch, Tube . . . . .                                                                             | 1          |
| 31                 | MFOFF              | 8V613       | 7-311651012        | •• Tube Assy . . . . .                                                                                         | 1          |
| 32                 | MFOFF              | 8V613       | 7-311651013        | •• Tube Assy . . . . .                                                                                         | 1          |
| 33                 | XDOZZ              | 02731       | HS4367-2           | ••• Plate, Identificatio . . . . .                                                                             | 1          |
| 34                 | PAOZZ              | 96906       | MS21921-4J         | ••• Nut, Tube Coupling . . . . .                                                                               | 1          |
| 35                 | PAOZZ              | 96906       | MS21922-4          | ••• Sleeve, Clinch, Tube . . . . .                                                                             | 1          |
| 36                 | PAOZZ              | 96906       | MS35489-6          | •• Grommet, Nonmetallic . . . . .                                                                              | 3          |
| 37                 | PAOZZ              | 88044       | AN924-4S           | •• Nut, Plain, Hexagon . . . . .                                                                               | 3          |
| 38                 | PAOZZ              | 96906       | MS9549-13          | •• Washer, Flat . . . . .                                                                                      | 4          |
| 39                 | PAOZZ              | 96906       | MS21923-4S         | •• Adapter, Straight, Tu . . . . .                                                                             | 1          |
| 40                 | PAOZA              | 96906       | MS21909R4          | •• Tee, Tube . . . . .                                                                                         | 1          |
| 41                 | PAOZZ              | 96906       | MS24396-4          | •• Elbow, Tube . . . . .                                                                                       | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                |            |

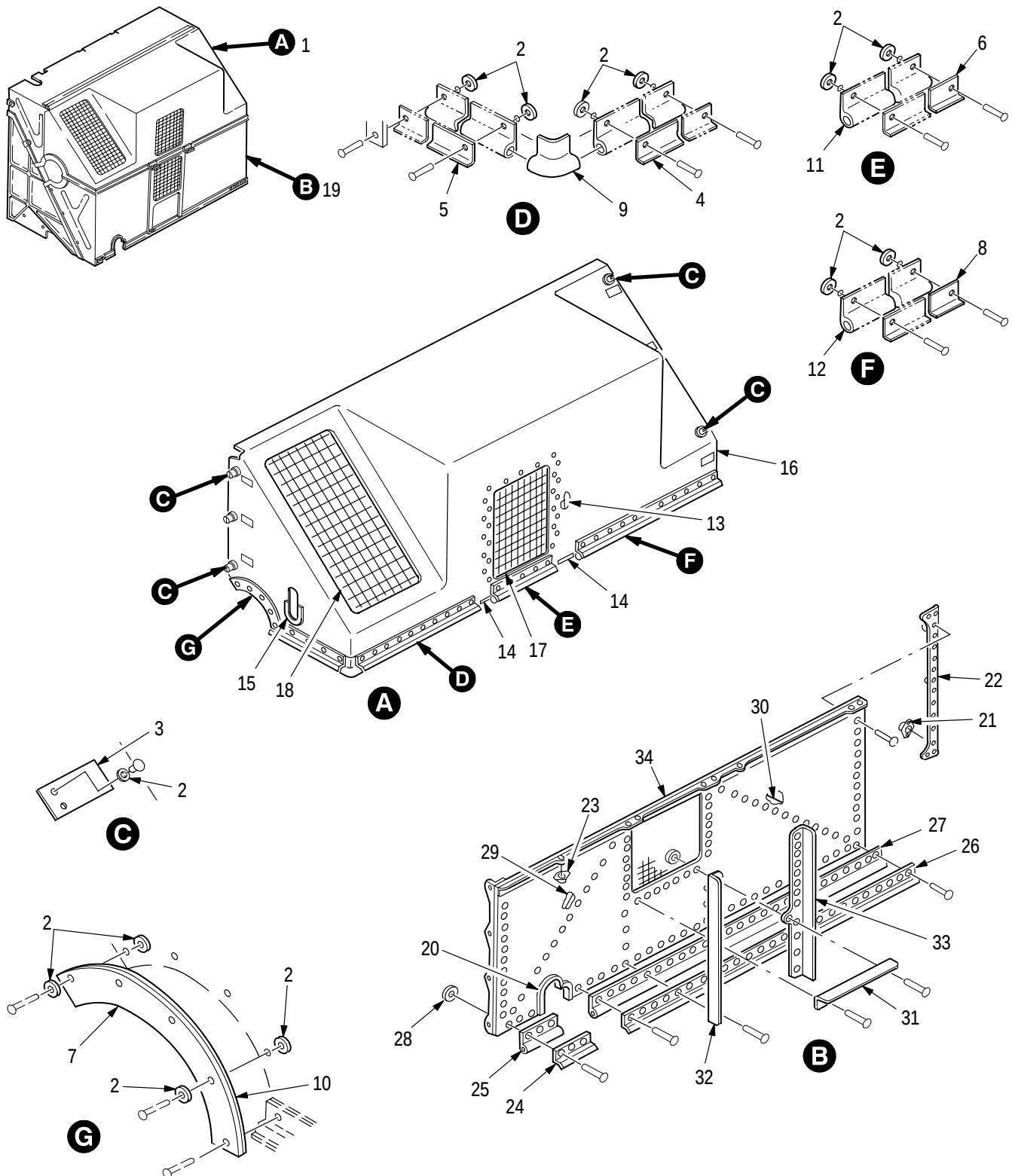




M09-681E

Figure 692. Group 15 Auxiliary Power System (Exhaust and Enclosure)  
7-311650000

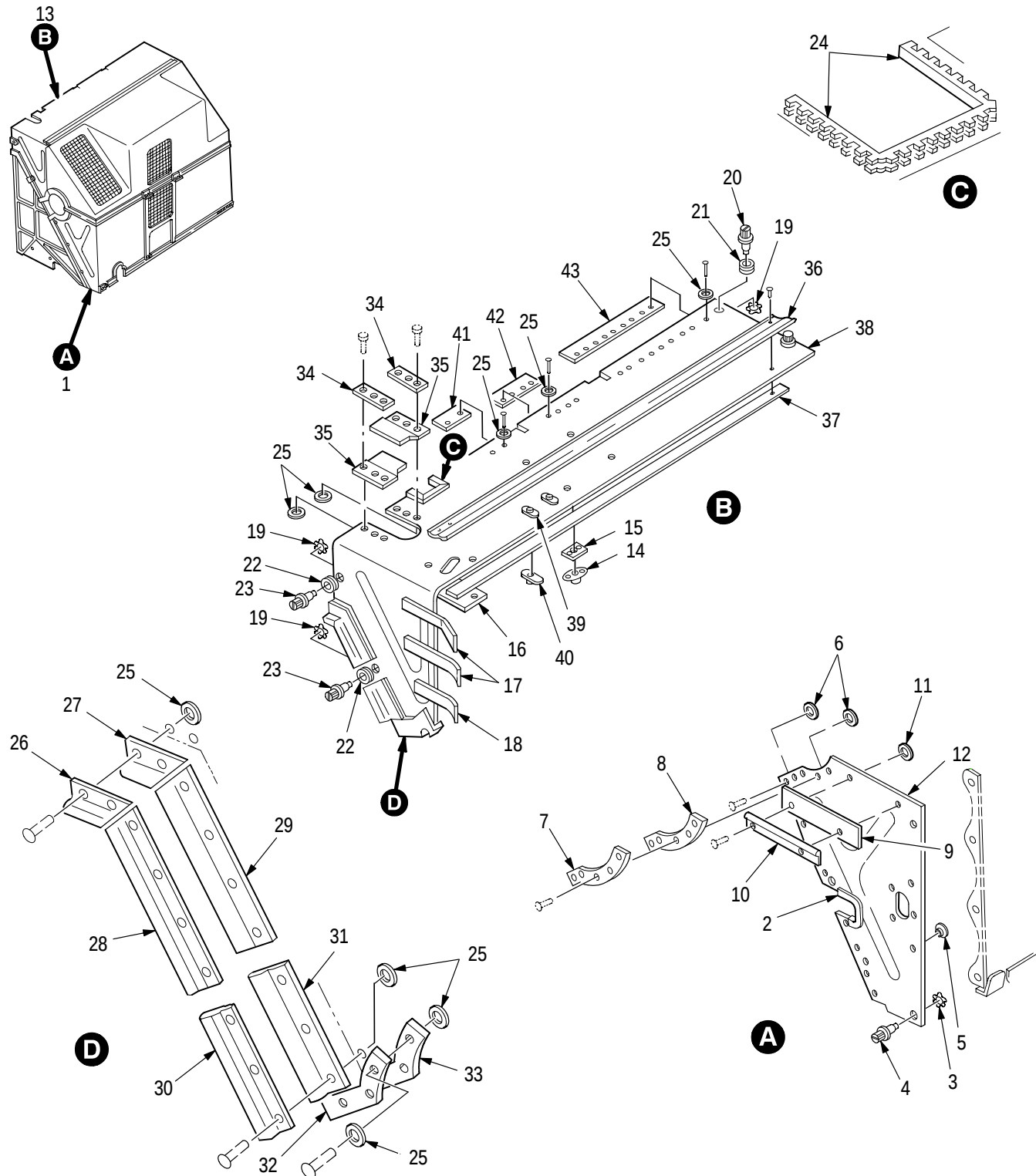
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                 | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 692 Auxiliary Power System<br>(Exhaust and Enclosure)<br>7-311650000 |            |
| 1                  | XCOOO              | 8V613       | 7-311653100-601    | • Exhaust Sys Instl .....                                                                                   | 1          |
| 2                  | PAOZZ              | 96906       | MS21044C3          | •• Nut, Self-Locking, He .....                                                                              | 1          |
| 3                  | XDOZZ              | 80205       | NAS603-8           | •• Screw, Machine .....                                                                                     | 8          |
| 4                  | PAOZZ              | 80205       | NAS603-6P          | •• Screw, Machine .....                                                                                     | 1          |
| 5                  | PAOZZ              | 88044       | AN960C10           | •• Washer, Flat .....                                                                                       | 10         |
| 6                  | PAOFF              | 8V613       | 7-311653101        | •• Duct, Exhaust Mixer .....                                                                                | 1          |
| 7                  | XDOZZ              | 8V613       | 7-311653102-11     | ••• Doubler .....                                                                                           | 1          |
| 8                  | XDOZZ              | 8V613       | 7-311653102-13     | ••• Doubler .....                                                                                           | 1          |
| 9                  | XDOZZ              | 8V613       | 7-311653102-15     | ••• Doubler .....                                                                                           | 1          |
| 10                 | XDOZZ              | 8V613       | 7-211653103        | ••• Spring .....                                                                                            | 4          |
| 11                 | PAOOO              | 8V613       | 7-211653005-41     | • Bulkhead, Enclosure .....                                                                                 | 1          |
| 12                 | PAOZZ              | 8V613       | 7-211653005-13     | ••• Seal, Auxiliary Powe .....                                                                              | 1          |
| 13                 | PAOZZ              | 80205       | MS21059L3          | ••• Nut, Self-Locking, Pl .....                                                                             | 8          |
| 14                 | MOOZZ              | 8V613       | 7-211653005-39     | ••• Fastener .....                                                                                          | 1          |
| 15                 | PAOZZ              | 02731       | HS4387-1           | ••• Receptacle, Turnlock .....                                                                              | 2          |
| 16                 | XDOZZ              | 8V613       | 7-211653005-37     | ••• Clip .....                                                                                              | 2          |
| 17                 | PAOZZ              | 02731       | HS4389-1           | ••• Ring, Retaining .....                                                                                   | 3          |
| 18                 | PAOZZ              | 02731       | HS4943-9241        | ••• Stud, Turnlock Faste .....                                                                              | 3          |
| 19                 | PAOZZ              | 97393       | SL3541A4A2         | ••• Grommet, Nonmetallic .....                                                                              | 3          |
| 20                 | PAOZZ              | 8V613       | 7-211653005-15     | ••• Clip, Auxiliary Powe .....                                                                              | 3          |
| 21                 | PAOZZ              | 02731       | HS306-312L         | ••• Washer, Flat .....                                                                                      | 21         |
| 22                 | XDOZZ              | 8V613       | 7-211653005-35     | ••• Doubler .....                                                                                           | 1          |
| 23                 | XDOZZ              | 8V613       | 7-211653005-43     | ••• Web Assembly .....                                                                                      | 1          |
| 24                 | XDOZZ              | 8V613       | 7-211653005-23     | •••• Doubler .....                                                                                          | 1          |
| 25                 | XCOOO              | 8V613       | 7-311654000        | • Enclosure Instl, APU<br>(See Figs. 693 and 694 for Further Breakdown) .....                               | 1          |
| 26                 | PAOOO              | 8V613       | 7-211653006-19     | •• Bracket Assy, Cover .....                                                                                | 2          |
| 27                 | PAOZZ              | 29372       | CA2010             | ••• Receptacle, Turnlock .....                                                                              | 1          |
| 28                 | PAOOO              | 8V613       | 7-211653006-15     | •• Bracket Assy, Cover .....                                                                                | 1          |
| 29                 | PAOZZ              | 29372       | CA2010             | ••• Receptacle, Turnlock .....                                                                              | 3          |
| 30                 | PAOOO              | 8V613       | 7-211653006-17     | •• Bracket Assy, Cover .....                                                                                | 2          |
| 31                 | PAOZZ              | 80205       | MS21075L3E         | ••• Nut, Self-Locking, Pl .....                                                                             | 1          |
| 32                 | PAOZZ              | 80205       | NAS1403-2          | •• Screw, Machine .....                                                                                     | 4          |
| 33                 | PAOZZ              | 80205       | NAS1403-13         | •• Screw, Machine .....                                                                                     | 4          |
| 34                 | PAOZZ              | 80205       | NAS1403-5          | •• Screw, Machine .....                                                                                     | 1          |
| 35                 | PAOZZ              | 80205       | NAS1403-4          | •• Screw, Machine .....                                                                                     | 1          |
| 36                 | PAOZZ              | 88044       | AN960JD10L         | •• Washer, Flat .....                                                                                       | 10         |
| 37                 | PGOOO              | 8V613       | 7-211653007-7      | •• Cover, Lower, APU .....                                                                                  | 1          |
| 38                 | PAOZZ              | 02731       | HS4874-4B1A        | ••• Grommet, Metallic .....                                                                                 | 2          |
| 39                 | XDOZZ              | 8V613       | 7-211653007-5      | ••• Panel, Auxiliary, Pow .....                                                                             | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                             |            |



M09-682F

Figure 693. Group 15 Enclosure Installation, APU (Upper and Lower Cover)  
7-311654000

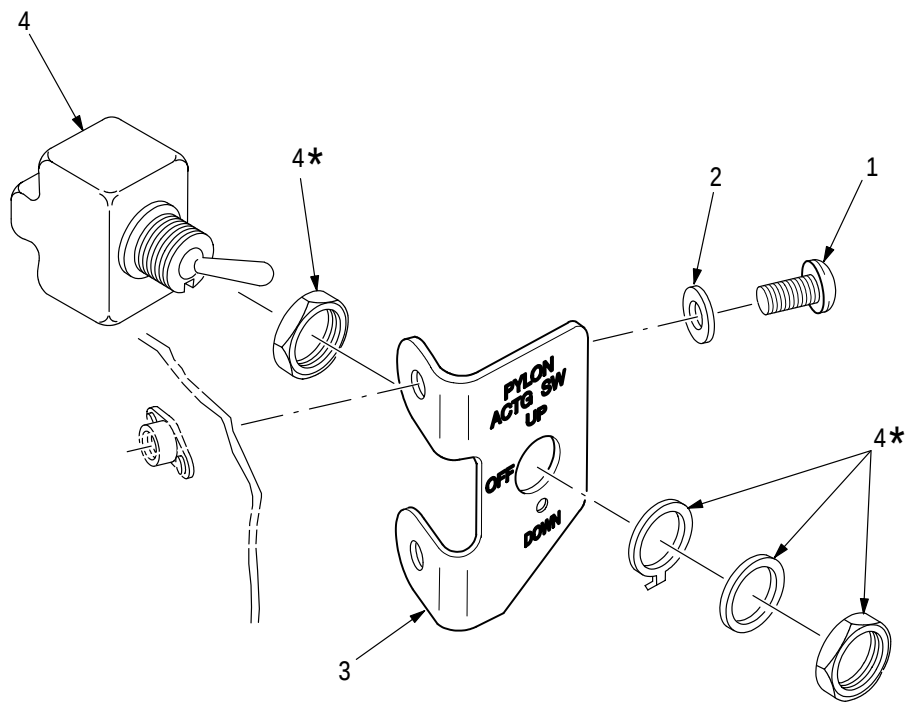
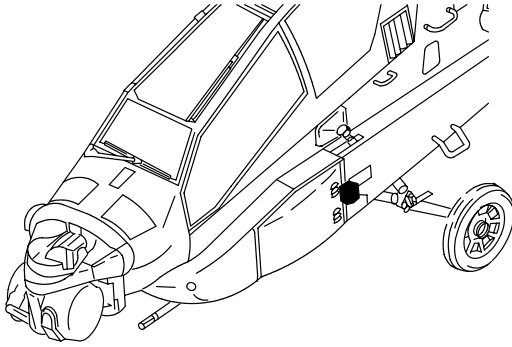
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 693 Enclosure Installation, APU<br>(Upper and Lower Cover)<br>7-311654000<br>See Fig. 692 for NHA |            |
| 1                  | PAOOO              | 8V613       | 7-311654001-61     | • Cover, Aircraft Grou .....                                                                                                             | 1          |
| 2                  | PAOZZ              | 02731       | HS306-312L         | •• Washer, Flat .....                                                                                                                    | 68         |
| 3                  | MOOZZ              | 8V613       | 7-311654001-71     | •• Fastener .....                                                                                                                        | 6          |
| 4                  | XDOZZ              | 8V613       | 7-311654001-63     | •• Retainer, Auxiliary .....                                                                                                             | 1          |
| 5                  | XDOZZ              | 8V613       | 7-311654001-65     | •• Retainer, Auxiliary .....                                                                                                             | 1          |
| 6                  | XDOZZ              | 8V613       | 7-311654001-67     | •• Retainer, Auxiliary .....                                                                                                             | 1          |
| 7                  | XDOZZ              | 8V613       | 7-311654001-55     | •• Doubler .....                                                                                                                         | 1          |
| 8                  | XDOZZ              | 8V613       | 7-311654001-69     | •• Retainer, Auxiliary .....                                                                                                             | 1          |
| 9                  | XDOZZ              | 8V613       | 7-311654001-37     | •• Seal, Auxiliary Powe .....                                                                                                            | 1          |
| 10                 | XDOZZ              | 8V613       | 7-311654001-39     | •• Seal, Auxiliary Powe .....                                                                                                            | 1          |
| 11                 | XDOZZ              | 8V613       | 7-311654001-47     | •• Seal, Auxiliary Powe .....                                                                                                            | 1          |
| 12                 | XDOZZ              | 8V613       | 7-311654001-51     | •• Seal, Auxiliary Powe .....                                                                                                            | 1          |
| 13                 | XDOZZ              | 8V613       | 7-311654001-31     | •• Inlet Assembly .....                                                                                                                  | 1          |
| 14                 | PAOZZ              | 8V613       | 7-211654004        | •• Bracket, Angle .....                                                                                                                  | 2          |
| 15                 | MFOZZ              | 8V613       | 7-311654001-73     | •• Grommet .....                                                                                                                         | 1          |
| 16                 | XAOZZ              | 8V613       | 7-311654001-3      | •• Cover, Aircraft Grou .....                                                                                                            | 1          |
| 17                 | XDOZZ              | 8V613       | 7-311654001-41     | ••• Screen .....                                                                                                                         | 1          |
| 18                 | XDOZZ              | 8V613       | 7-311654001-43     | ••• Screen .....                                                                                                                         | 1          |
| 19                 | PAOOO              | 8V613       | 7-311654003-71     | • Cover, Access .....                                                                                                                    | 1          |
| 20                 | MOOZZ              | 8V613       | 7-311654003-75     | •• Grommet .....                                                                                                                         | 1          |
| 21                 | PAOZZ              | 29372       | CA2010             | •• Receptacle, Turnlock .....                                                                                                            | 7          |
| 22                 | XDOZZ              | 8V613       | 7-311654003-23     | •• Bracket, Angle .....                                                                                                                  | 1          |
| 23                 | PAOZZ              | 80205       | MS21075L3E         | •• Nut, Self-Locking, Pl .....                                                                                                           | 8          |
| 24                 | XDOZZ              | 8V613       | 7-311654003-67     | •• Retainer .....                                                                                                                        | 1          |
| 25                 | MOOZZ              | 8V613       | 7-311654003-45     | •• Seal .....                                                                                                                            | 1          |
| 26                 | XDOZZ              | 8V613       | 7-311654003-69     | •• Retainer .....                                                                                                                        | 1          |
| 27                 | MOOZZ              | 8V613       | 7-311654003-47     | •• Seal .....                                                                                                                            | 1          |
| 28                 | PAOZZ              | 02731       | HS306-312L         | •• Washer, Flat .....                                                                                                                    | 107        |
| 29                 | XDOZZ              | 8V613       | 7-311654003-21     | •• Stiffener, Cover, APU .....                                                                                                           | 1          |
| 30                 | XDOZZ              | 8V613       | 7-311654003-53     | •• Stiffener, Cover, APU .....                                                                                                           | 1          |
| 31                 | XDOZZ              | 8V613       | 7-311654003-39     | •• Stiffener, Cover, APU .....                                                                                                           | 1          |
| 32                 | XDOZZ              | 8V613       | 7-311654003-37     | •• Stiffener .....                                                                                                                       | 1          |
| 33                 | XDOZZ              | 8V613       | 7-311654003-38     | •• Stiffener .....                                                                                                                       | 1          |
| 34                 | PAOZZ              | 8V613       | 7-311654003-73     | •• Panel, Structural, Ai .....                                                                                                           | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                          |            |



M09-476J

Figure 694. Group 15 Enclosure Installation, APU (Front and Top Cover)  
7-311654000

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 15 Auxiliary Power Plant<br>Fig. 694 Enclosure Installation, APU<br>(Front and Top Cover)<br>7-311654000<br>See Fig. 692 for NHA |            |
| 1                  | PAOOO              | 8V613       | 7-211654002-31     | • Cover Assy, Enclosur . . . . .                                                                                                       | 1          |
| 2                  | MOOZZ              | 96906       | MS21266-1T         | •• Grommet, Nonmetallic . . . . .                                                                                                      | V          |
| 3                  | PAOZZ              | 29372       | CA2035             | •• Ring, Retaining . . . . .                                                                                                           | 7          |
| 4                  | PAOZZ              | 02731       | HS4943-9241        | •• Stud, Turnlock Faste . . . . .                                                                                                      | 7          |
| 5                  | XDOZZ              | 02731       | HS4874-2A2A        | •• Grommet, Metallic . . . . .                                                                                                         | 7          |
| 6                  | PAOZZ              | 02731       | HS306-312L         | •• Washer, Flat . . . . .                                                                                                              | V          |
| 7                  | XDOZZ              | 8V613       | 7-211654002-29     | •• Doubler . . . . .                                                                                                                   | 1          |
| 8                  | MOOZZ              | 8V613       | 7-211654002-25     | •• Seal . . . . .                                                                                                                      | 1          |
| 9                  | MOOZZ              | 8V613       | 7-211654002-37     | •• Seal . . . . .                                                                                                                      | 1          |
| 10                 | XDOZZ              | 8V613       | 7-211654002-39     | •• Doubler . . . . .                                                                                                                   | 1          |
| 11                 | PAOZZ              | 02731       | HS306-316L         | •• Washer, Flat . . . . .                                                                                                              | V          |
| 12                 | PAOZZ              | 8V613       | 7-211654002-33     | •• Panel, Structural, Ai . . . . .                                                                                                     | 1          |
| 13                 | PAOOO              | 8V613       | 7-211654005-73     | • Cover Assy, Top Encl . . . . .                                                                                                       | 1          |
| 14                 | PAOZZ              | 80205       | MS21075L3E         | •• Nut, Self-Locking, PI . . . . .                                                                                                     | 6          |
| 15                 | XDOZZ              | 8V613       | 7-211654005-31     | •• Doubler, Enclosure . . . . .                                                                                                        | 4          |
| 16                 | XDOZZ              | 8V613       | 7-211654005-79     | •• Doubler . . . . .                                                                                                                   | 1          |
| 17                 | MOOZZ              | 8V613       | 7-211654005-69     | •• Strap . . . . .                                                                                                                     | 2          |
| 18                 | MOOZZ              | 8V613       | 7-211654005-67     | •• Strap . . . . .                                                                                                                     | 1          |
| 19                 | PAOZZ              | 29372       | CA2035             | •• Ring, Retaining . . . . .                                                                                                           | 4          |
| 20                 | PAOZZ              | 29372       | CA2024-3           | •• Stud, Turnlock Faste . . . . .                                                                                                      | 2          |
| 21                 | PAOZZ              | 02731       | HS4874-2A5A        | •• Grommet, Metallic . . . . .                                                                                                         | 2          |
| 22                 | XDOZZ              | 02731       | HS4874-2A2A        | •• Grommet, Metallic . . . . .                                                                                                         | 2          |
| 23                 | PAOZZ              | 02731       | HS4943-9241        | •• Stud, Turnlock Faste . . . . .                                                                                                      | 2          |
| 24                 | MOOZZ              | 8V613       | 7-211654005-87     | •• Grommet, Nonmetallic . . . . .                                                                                                      | 1          |
| 25                 | PAOZZ              | 02731       | HS306-312L         | •• Washer, Flat . . . . .                                                                                                              | 34         |
| 26                 | XDOZZ              | 8V613       | 7-211654005-55     | •• Retainer . . . . .                                                                                                                  | 1          |
| 27                 | MOOZZ              | 8V613       | 7-211654005-17     | •• Seal . . . . .                                                                                                                      | 1          |
| 28                 | XDOZZ              | 8V613       | 7-211654005-57     | •• Retainer, Enclosure . . . . .                                                                                                       | 1          |
| 29                 | XDOZZ              | 8V613       | 7-211654005-47     | •• Seal, Cover, Auxiliar . . . . .                                                                                                     | 1          |
| 30                 | XDOZZ              | 8V613       | 7-211654005-77     | •• Retainer . . . . .                                                                                                                  | 1          |
| 31                 | MOOZZ              | 8V613       | 7-211654005-83     | •• Seal . . . . .                                                                                                                      | 1          |
| 32                 | XDOZZ              | 8V613       | 7-211654005-81     | •• Doubler . . . . .                                                                                                                   | 1          |
| 33                 | PAOZZ              | 8V613       | 7-211654005-85     | •• Seal, Cover, Auxiliar . . . . .                                                                                                     | 1          |
| 34                 | XDOZZ              | 8V613       | 7-211654005-23     | •• Doubler, Enclosure . . . . .                                                                                                        | 2          |
| 35                 | PAOZZ              | 8V613       | 7-211654005-21     | •• Seal, Rubber Strip . . . . .                                                                                                        | 2          |
| 36                 | PAOZZ              | 8V613       | 7-211654005-25     | •• Guide, Cover . . . . .                                                                                                              | 1          |
| 37                 | XDOZZ              | 8V613       | 7-211654005-27     | •• Doubler, Enclosure . . . . .                                                                                                        | 1          |
| 38                 | PAOZZ              | 8V613       | 7-211654005-75     | •• Cover Assy, Enclosur . . . . .                                                                                                      | 1          |
| 39                 | PAOZZ              | 02731       | HS4483-615         | •• Spacer, Sleeve . . . . .                                                                                                            | 2          |
| 40                 | PAOZZ              | 96906       | MS21059LO4         | •• Nut, Self-Locking, PI . . . . .                                                                                                     | 2          |
| 41                 | XDOZZ              | 8V613       | 7-211654005-61     | •• Clip . . . . .                                                                                                                      | 1          |
| 42                 | XDOZZ              | 8V613       | 7-211654005-63     | •• Clip . . . . .                                                                                                                      | 1          |
| 43                 | XDOZZ              | 8V613       | 7-211654005-65     | •• Clip . . . . .                                                                                                                      | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                        |            |



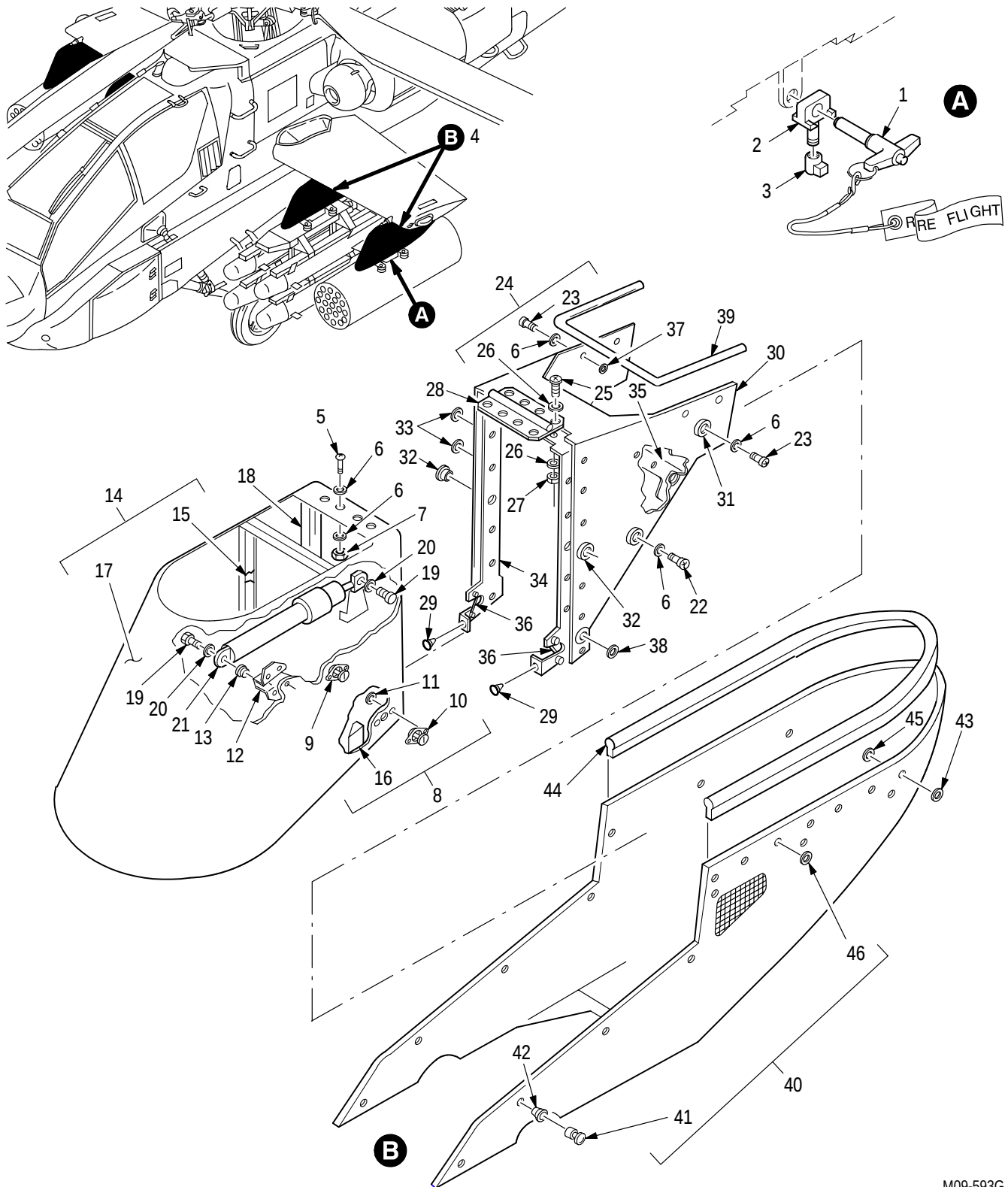
\*SUPPLIED WITH ATTACHED ITEM

M09-1179A

Figure 695. Group 16 Switch, Toggle, Pylon Ground Maintenance

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 695 Switch, Toggle,<br>Pylon Ground Maintenance |            |
| 1                  | PAOZZ              | 96906       | MS51958-79         | • Screw, Machine .....                                                             | 2          |
| 2                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....                                                               | 2          |
| 3                  | PAOZZ              | 8V613       | 7-317400221-3      | • Bracket, Pylon .....                                                             | 1          |
| 4                  | PAOZZ              | 96906       | MS24524-27         | • Switch, Toggle .....                                                             | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                    |            |

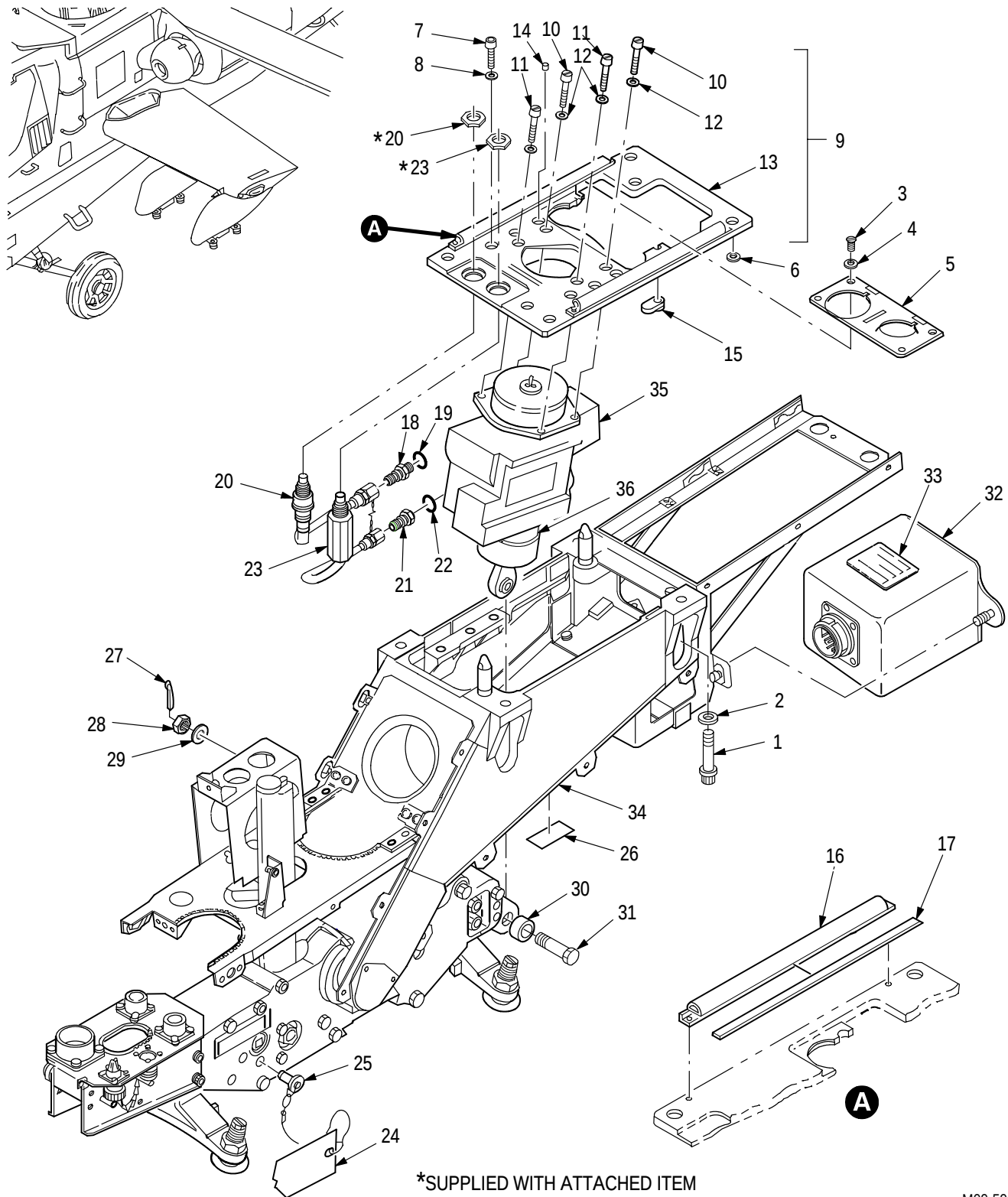




M09-593G

Figure 696. Group 16 External Stores Subsystem  
7-318000000

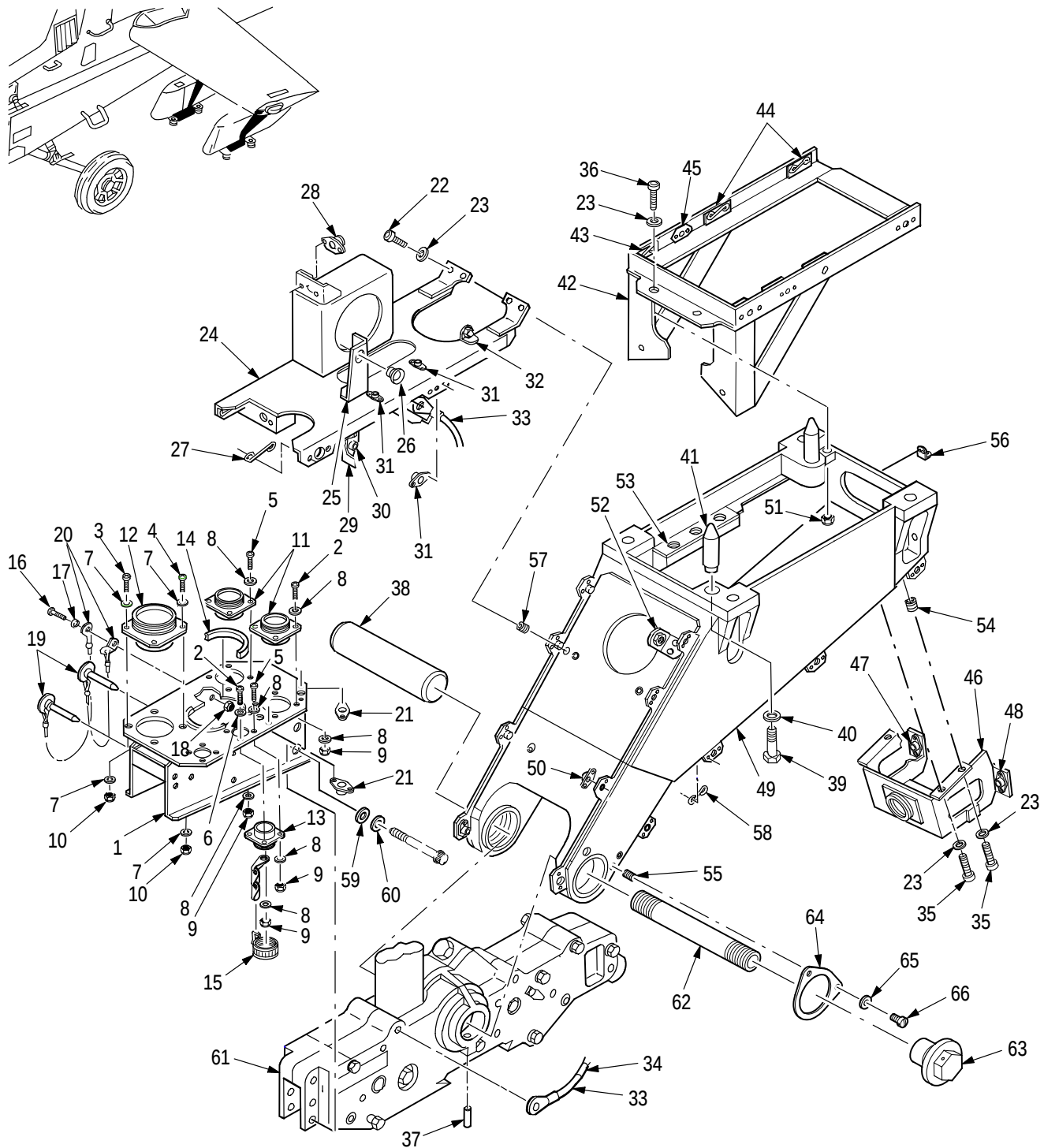
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 696 External Stores Subsystem<br>7-318000000 |            |
| 1                  | PAOZZ              | 8V613       | 7-318000237        | • Pin .....                                                                     | 4          |
| 2                  | PAOZZ              | 8V613       | 7-318000227        | • Fitting, External S .....                                                     | 4          |
| 3                  | PAOZZ              | 8V613       | 7-318000228        | • Nut, External Stores .....                                                    | 4          |
| 4                  | PBOFF              | 8V613       | 7-318000001-613    | • Pylon, Aircraft (See Fig. 697 for Breakdown) .....                            | 1          |
| 5                  | PAOZZ              | 80205       | NAS1403-3          | •• Screw, Machine .....                                                         | 4          |
| 6                  | PAOZZ              | 88044       | AN960KD10L         | •• Washer, Flat .....                                                           | 16         |
| 7                  | PAOZZ              | 80205       | MS21042-3          | •• Nut, Self-Locking, Ex .....                                                  | 4          |
| 8                  | PAOOO              | 8V613       | 7-318000035-3      | •• Fairing Assy, Nose .....                                                     | 1          |
| 9                  | PAOZZ              | 02731       | HS5276-0003        | ••• Stud Assembly, Turnl .....                                                  | 2          |
| 10                 | PAOZZ              | 02731       | HS5276-0002        | ••• Stud Assembly, Turnl .....                                                  | 2          |
| 11                 | PAOZZ              | 88044       | AN960KD4           | ••• Washer, Flat .....                                                          | 4          |
| 12                 | XDOOO              | 8V613       | 7-318000131        | ••• Bracket, Upper, Strut .....                                                 | 1          |
| 13                 | PAOZZ              | 02731       | HS4262-3F4C        | •••• Insert, Screw Thread .....                                                 | 1          |
| 14                 | XAOOO              | 8V613       | 7-318000036-21     | ••• Fairing, Nose, Pylon .....                                                  | 1          |
| 15                 | MOOZZ              | 8V613       | 7-318000036-7      | •••• Rigid Peu, Fairing .....                                                   | V          |
| 16                 | MFFZZ              | 8V613       | 7-318000036-9      | •••• Bumper .....                                                               | 2          |
| 17                 | XAOZZ              | 8V613       | 7-318000036-15     | •••• Nose, Fairing, Pylon .....                                                 | 1          |
| 18                 | XDOZZ              | 8V613       | 7-318000037        | ••• Stiffener, Nose .....                                                       | 1          |
| 19                 | PAOZZ              | 80205       | NAS1303-6H         | •• Bolt, Shear .....                                                            | 2          |
| 20                 | PAOZZ              | 59875       | TX90790-34         | •• Washer, Flat .....                                                           | 2          |
| 21                 | PAOZZ              | 8V613       | 7-318000130        | •• Strut Assy, Rack .....                                                       | 1          |
| 22                 | PAOZZ              | 80205       | NAS603-10P         | •• Screw, Machine .....                                                         | 12         |
| 23                 | PAOZZ              | 80205       | NAS603-12P         | •• Screw, Machine .....                                                         | 2          |
| 24                 | PAOOO              | 8V613       | 7-318000039        | •• Fairing Assy, Airfra .....                                                   | 1          |
| 25                 | PAOZZ              | 80205       | NAS603-8           | ••• Screw, Machine .....                                                        | 4          |
| 26                 | PAOZZ              | 80205       | NAS1149D0332J      | ••• Washer, Flat .....                                                          | 8          |
| 27                 | PAOZZ              | 80205       | MS21042-3          | ••• Nut, Self-Locking, Ex .....                                                 | 4          |
| 28                 | MOOZZ              | 8V613       | 7-318000066        | ••• Hinge, Butt .....                                                           | 1          |
| 29                 | PAOZZ              | 02731       | HS4450-10          | ••• Bumper, Nonmetallic .....                                                   | 2          |
| 30                 | XAOOO              | 8V613       | 7-318000041-3      | ••• Fairing, Subassy .....                                                      | 1          |
| 31                 | PAOZZ              | 02731       | HS4874-2A5A        | •••• Grommet, Metallic .....                                                    | 8          |
| 32                 | PAOZZ              | 02731       | HS4874-5A5A        | •••• Grommet, Metallic .....                                                    | 2          |
| 33                 | PAOZZ              | 88044       | AN960JD4L          | •••• Washer, Flat .....                                                         | 2          |
| 34                 | PAOZZ              | 8V613       | 7-318000052        | •••• Stiffener, Fairing .....                                                   | 1          |
| 35                 | PAOZZ              | 8V613       | 7-318000042        | •••• Bracket, Stiffener .....                                                   | 1          |
| 36                 | PAOZZ              | 02731       | HS5273-0004        | •••• Lockspring, Turnlock .....                                                 | 2          |
| 37                 | PAOZZ              | 81343       | MS9549-05          | •••• Washer, Flat .....                                                         | 9          |
| 38                 | PAOZZ              | 88044       | AN960KD6L          | •••• Washer, Flat .....                                                         | 2          |
| 39                 | PAOZZ              | 02731       | HS2007-1516        | •••• Seal, Nonmetallic Sp .....                                                 | 1          |
| 40                 | PAOOO              | 8V613       | 7-318000043-5      | •• Fairing, Aircraft .....                                                      | 1          |
| 41                 | PAOZZ              | 02731       | HS5274-0001        | ••• Stud, Turnlock Faste .....                                                  | 14         |
| 42                 | PAOZZ              | 02731       | HS5275-0001        | ••• Eyelet, Turnlock Fas .....                                                  | 14         |
| 43                 | PAOZZ              | 96906       | MS9549-04          | ••• Washer, Flat .....                                                          | 14         |
| 44                 | MOOZZ              | 02731       | HS5300-1-0410      | ••• Seal, Extruded, Elast .....                                                 | 1          |
| 45                 | PAOZZ              | 02731       | HS306-207L         | ••• Washer, Flat .....                                                          | 14         |
| 46                 | PAOZZ              | 88044       | AN960JD3           | ••• Washer, Flat .....                                                          | 12         |
| END OF FIGURE      |                    |             |                    |                                                                                 |            |



M09-594E

Figure 697. Group 16 Pylon, Aircraft (Frame and Actuator)  
7-318000001-613

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 697 Pylon, Aircraft (Frame and Actuator)<br>7-318000001-613<br>See Fig. 696 for NHA |            |
| 1                  | PAOZZ              | 02731       | HS5271-6-21        | • Bolt, Close Toleranc .....                                                                                           | 4          |
| 2                  | PAOZZ              | 96906       | MS21299C6          | • Washer, Recessed .....                                                                                               | 4          |
| 3                  | PAOZZ              | 80205       | NAS603-9P          | • Screw, Machine .....                                                                                                 | 2          |
| 4                  | PAOZZ              | 88044       | AN960KD10L         | • Washer, Flat .....                                                                                                   | 4          |
| 5                  | PAOZZ              | 8V613       | 7-318000014        | • Plate, Top, Connector .....                                                                                          | 1          |
| 6                  | PAOZZ              | 8V613       | 7-11B410521        | • Ring, Retaining .....                                                                                                | 4          |
| 7                  | PAOZZ              | 96906       | MS20004H16         | • Bolt, Internal Wrenc .....                                                                                           | 6          |
| 8                  | PAOZZ              | 96906       | MS21206-C4         | • Washer, Recessed .....                                                                                               | 6          |
| 9                  | AOOOO              | 8V613       | 7-318000005        | • Actuator and Top .....                                                                                               | 1          |
| 10                 | PAOZZ              | 80205       | NAS1351-4-24       | • • Screw, Cap, Socket He .....                                                                                        | 2          |
| 11                 | PAOZZ              | 80205       | NAS1351-4-18       | • • Screw, Cap, Socket He .....                                                                                        | 2          |
| 12                 | PAOZZ              | 80205       | NAS1149E0416P      | • • Washer, Flat .....                                                                                                 | 4          |
| 13                 | PAOFF              | 8V613       | 7-318000012        | • • Plate, Structural, Ai .....                                                                                        | 1          |
| 14                 | PAFZZ              | 96906       | MS16556-826        | • • • Pin, Straight, Headle .....                                                                                      | 2          |
| 15                 | PAOZZ              | 80205       | MS21072L3          | • • • Nut, Self-Locking, Pl .....                                                                                      | 2          |
| 16                 | XDFZZ              | 02731       | HS5281-01-0902     | • • • Seal, Nonmetallic Sp .....                                                                                       | 2          |
| 17                 | XDFZZ              | 8V613       | 7-318000012-3      | • • • Spacer .....                                                                                                     | 10         |
| 18                 | PAOZZ              | 96906       | MS21902J4          | • • Nipple, Boss .....                                                                                                 | 1          |
| 19                 | PAOZZ              | 81349       | M83248/1-904       | • • O-Ring .....                                                                                                       | 1          |
| 20                 | PAOZZ              | 8V613       | 7-318000008        | • • Hose Assembly, Metal .....                                                                                         | 1          |
| 21                 | PAOZZ              | 8V613       | 7-318000010        | • • Fitting, Filter Adap .....                                                                                         | 1          |
| 22                 | PAOZZ              | 81349       | M83248/1-906       | • • O-Ring .....                                                                                                       | 1          |
| 23                 | PAOZZ              | 8V613       | 7-318000009        | • • Filter Assembly, Act .....                                                                                         | 1          |
| 24                 | PAOZZ              | 80205       | NAS1091-30H        | • Streamer, Warning .....                                                                                              | 1          |
| 25                 | XDOZZ              | 96906       | MS17984C530        | • Pin, Quick Release .....                                                                                             | 1          |
| 26                 | XDOZZ              | 02731       | HS4709-2           | • Plate, Identificatio .....                                                                                           | 1          |
| 27                 | PAOZZ              | 96906       | MS24665-287        | • Pin, Cotter .....                                                                                                    | 1          |
| 28                 | PAOZZ              | 88044       | AN320-7            | • Nut, Plain, Slotted, H .....                                                                                         | 1          |
| 29                 | PAOZZ              | 88044       | AN960XC716L        | • Washer, Flat .....                                                                                                   | 1          |
| 30                 | PAOZZ              | 02731       | HS5542-07001       | • Bushing, Sleeve .....                                                                                                | 1          |
| 31                 | PAOZZ              | 02731       | HS5841-7-19        | • Bolt, Shear .....                                                                                                    | 1          |
| 32                 | PAODD              | 8V613       | 7-317400220-3      | • Controller, Pylon .....                                                                                              | 1          |
| 33                 | XDFZZ              | 81873       | 88001334           | • • Plate, Ident .....                                                                                                 | 1          |
| 34                 | AOOOO              | 8V613       | 7-318000003-617    | • Frame Assy, Pylon (See Fig. 698 for Breakdown) .....                                                                 | 1          |
| 35                 | PAODD              | 8V613       | 7-318000011-5      | • Cylinder Assembly, A .....                                                                                           | 1          |
| 36                 | XDFZZ              | 81873       | 41005658           | • • Plate, Identificatio .....                                                                                         | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                        |            |



M09-595H

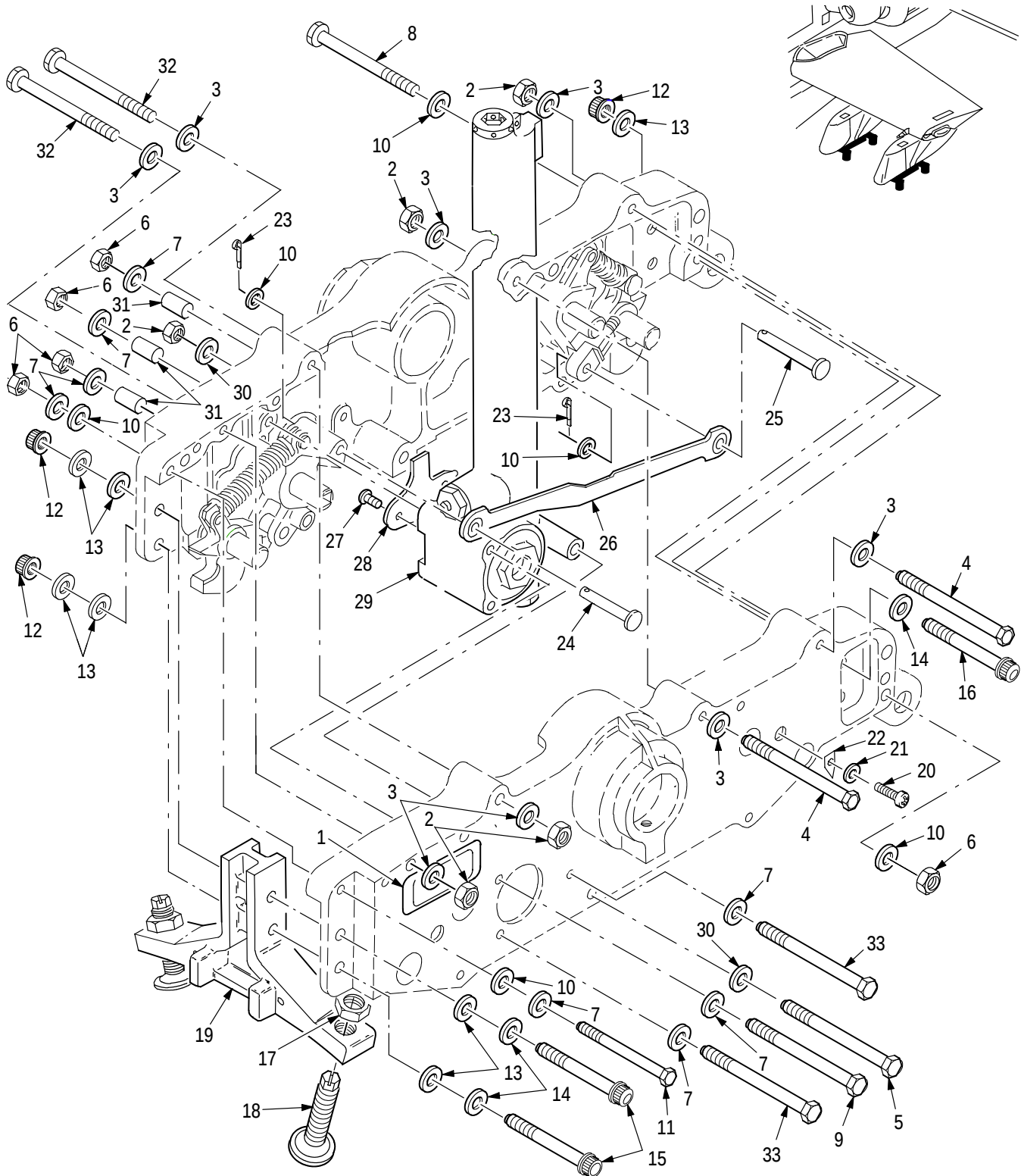
Figure 698. Group 16 Frame Assembly, Pylon  
7-318000003-617

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 698 Frame Assembly, Pylon<br>7-318000003-617<br>See Fig. 697 for NHA |            |
| 1                  | PAOOO              | 8V613       | 7-318000063-601    | • Bracket Assy, Stow .....                                                                              | 1          |
| 2                  | PAOZZ              | 80205       | NAS600-6P          | •• Screw, Machine .....                                                                                 | 3          |
| 3                  | PAOZZ              | 80205       | NAS601-7P          | •• Screw, Machine .....                                                                                 | 4          |
| 4                  | PAOZZ              | 80205       | NAS601-8P          | •• Screw, Machine .....                                                                                 | 2          |
| 5                  | PAOZZ              | 80205       | NAS600-7P          | •• Screw, Machine .....                                                                                 | 1          |
| 6                  | PAOZZ              | 88044       | AN960-6            | •• Washer, Flat .....                                                                                   | 1          |
| 7                  | PAOZZ              | 80205       | NAS620C6L          | •• Washer, Flat .....                                                                                   | 8          |
| 8                  | PAOZZ              | 80205       | NAS620C4L          | •• Washer, Flat .....                                                                                   | 7          |
| 9                  | PAOZZ              | 80205       | MS21042-04         | •• Nut, Self-Locking, Ex .....                                                                          | 4          |
| 10                 | PAOZZ              | 80205       | MS21042-06         | •• Nut, Self-Locking, Ex .....                                                                          | 4          |
| 11                 | PAOZZ              | 96906       | MS3115-16A         | •• Dummy Connector, Rec .....                                                                           | 2          |
| 12                 | PAOZZ              | 02731       | HS5098-2580        | •• Dummy Connector, Rec .....                                                                           | 1          |
| 13                 | PAOZZ              | 02731       | HS5098-0980        | •• Dummy Connector, Rec .....                                                                           | 1          |
| 14                 | MOOZZ              | 96906       | MS21266-3N         | •• Grommet, Nonmetallic .....                                                                           | 1          |
| 15                 | PAOZZ              | 02731       | HS4937-1           | •• Cover, Electrical Co .....                                                                           | 1          |
| 16                 | PAOZZ              | 80205       | NAS603-8           | •• Screw, Machine .....                                                                                 | 1          |
| 17                 | PAOZZ              | 80205       | NAS620C10L         | •• Washer, Flat .....                                                                                   | 1          |
| 18                 | PAOZZ              | 80205       | MS21042-3          | •• Nut, Self-Locking, Ex .....                                                                          | 1          |
| 19                 | PAOZZ              | 96906       | MS17984C419        | •• Pin, Quick Release .....                                                                             | 2          |
| 20                 | PAOZZ              | 02731       | HS4494-4500        | •• Wire Rope Assembly, .....                                                                            | 2          |
| 21                 | PAOZZ              | 96906       | MS21069L3          | •• Nut, Self-Locking, Pl .....                                                                          | 2          |
| 22                 | PAOZZ              | 80205       | NAS1403-3          | •• Screw, Machine .....                                                                                 | 5          |
| 23                 | PAOZZ              | 80205       | NAS620-10L         | •• Washer, Flat .....                                                                                   | 13         |
| 24                 | PAOOO              | 8V613       | 7-318000058        | • Bracket Assembly, Ai .....                                                                            | 1          |
| 25                 | PAOOO              | 8V613       | 7-318000132        | •• Bracket, Lower Strut .....                                                                           | 1          |
| 26                 | PAOZZ              | 02731       | HS4262-3F4C        | ••• Insert, Screw Thread .....                                                                          | 1          |
| 27                 | PAOZZ              | 02731       | HS5273-0004        | •• Lockspring, Turnlock .....                                                                           | 1          |
| 28                 | PAOZZ              | 02731       | HS5307-0420        | •• Receptacle, Turnlock .....                                                                           | 2          |
| 29                 | PAOOO              | 8V613       | 7-318000133        | • Bracket Assy, Harn .....                                                                              | 1          |
| 30                 | PAOZZ              | 02731       | HS4262-3F4C        | ••• Insert, Screw Thread .....                                                                          | 1          |
| 31                 | PAOZZ              | 80205       | MS21075-3          | •• Nut, Self-Locking, Pl .....                                                                          | 4          |
| 32                 | PAOZZ              | 02731       | HS4592-2D6-10      | •• Bracket, Angle .....                                                                                 | 1          |
| 33                 | XDOZZ              | 96906       | MS25083-2BD12      | • Lead, Electrical .....                                                                                | 2          |
| 34                 | PAOZZ              | 81851       | 6749001-13         | • Sleeving, Textile, El .....                                                                           | 2          |
| 35                 | PAOZZ              | 80205       | NAS1351-3-10P      | • Screw, Cap, Socket .....                                                                              | 4          |
| 36                 | PAOZZ              | 80205       | NAS1351-3-16P      | • Screw, Soc Hd #10 .....                                                                               | 4          |
| 37                 | PAOZZ              | 8V613       | 7-318000062        | • Pin, Shoulder, Headle .....                                                                           | 2          |
| 38                 | PAOZZ              | 8V613       | 7-318000061-3      | • Pin, Hollow .....                                                                                     | 1          |
| 39                 | PAOZZ              | 80205       | NAS6305L2          | • Bolt, Shear .....                                                                                     | 2          |
| 40                 | PAOZZ              | 88044       | AN960-516L         | • Washer, Flat .....                                                                                    | 2          |
| 41                 | PAOZZ              | 8V613       | 7-318000032        | • Pin, Straight, Headle .....                                                                           | 2          |
| 42                 | PAOOO              | 8V613       | 7-318000030        | • Bracket, Mux Box .....                                                                                | 1          |
| 43                 | PAOZZ              | 02731       | HS4267S3-200       | •• Lockspring, Turnlock .....                                                                           | 2          |
| 44                 | PAOZZ              | 02731       | HS5386-0001        | •• Receptacle, Turnlock .....                                                                           | 4          |
| 45                 | PAOZZ              | 02731       | HS4153-02          | •• Nut, Self-Locking, Pl .....                                                                          | 4          |
| 46                 | PAOOO              | 8V613       | 7-318000050        | • Bracket Assembly, Ac .....                                                                            | 1          |
| 47                 | PAOZZ              | 96906       | MS21070L3          | •• Nut, Self-Locking, Pl .....                                                                          | 1          |
| 48                 | PAOZZ              | 02731       | HS5307-0420        | •• Receptacle, Turnlock .....                                                                           | 2          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------|------------|
| 49                 | XAODD              | 8V613       | 7-318000125        | • Pylon, Aircraft .....                                                | 1          |
| 50                 | PAOZZ              | 96906       | MS21075L3          | • • Nut, Self-Locking, Pl .....                                        | 8          |
| 51                 | PAFZZ              | 80205       | NAS1329H3K230L     | • • Nut, Self-Locking, Bl .....                                        | 4          |
| 52                 | PAFZZ              | 02731       | HS4592-2D7-12      | • • Bracket, Angle .....                                               | 1          |
| 53                 | PAFZZ              | 96906       | MS51830-202L       | • • Insert, Screw Thread .....                                         | 6          |
| 54                 | PAFZZ              | 80205       | NAS1394-3L         | • • Insert, Screw Thread .....                                         | 4          |
| 55                 | PAFZZ              | 96906       | MS51830-103L       | • • Insert, Screw Thread .....                                         | 4          |
| 56                 | XDFZZ              | 02731       | HS4592-2D6-8       | • • Bracket, Angle .....                                               | 1          |
| 57                 | PAFZZ              | 96906       | MS51830-201L       | • • Insert, Screw Thread .....                                         | 5          |
| 58                 | PAOZZ              | 02731       | HS4267S3-200       | • • Lockspring, Turnlock .....                                         | 8          |
| 59                 | PAOZZ              | 02731       | HS4134C5           | • Washer, Recessed .....                                               | 1          |
| 60                 | PAOZZ              | 02731       | HS4134P5           | • Washer, Flat .....                                                   | 1          |
| 61                 | PAOFF              | 8V613       | 7-318000150-11     | • Rack, Bomb Ejector, A<br>(See Figs. 699 and 700 for Breakdown) ..... | 1          |
| 62                 | PAOZZ              | 8V613       | 7-318000073-001    | • Tie, Load Sharing Ti .....                                           | 1          |
| 63                 | PAOZZ              | 8V613       | 7-318000074-001    | • Endcap, Load Sharing .....                                           | 2          |
| 64                 | PAOZZ              | 8V613       | 7-318000075-001    | • Endplate, Load Shari .....                                           | 2          |
| 65                 | PAOZZ              | 80205       | NAS1149CN616R      | • Washer, Flat .....                                                   | 4          |
| 66                 | PAOZZ              | 96906       | MS35275-226        | • Screw, Machine .....                                                 | 4          |
| END OF FIGURE      |                    |             |                    |                                                                        |            |



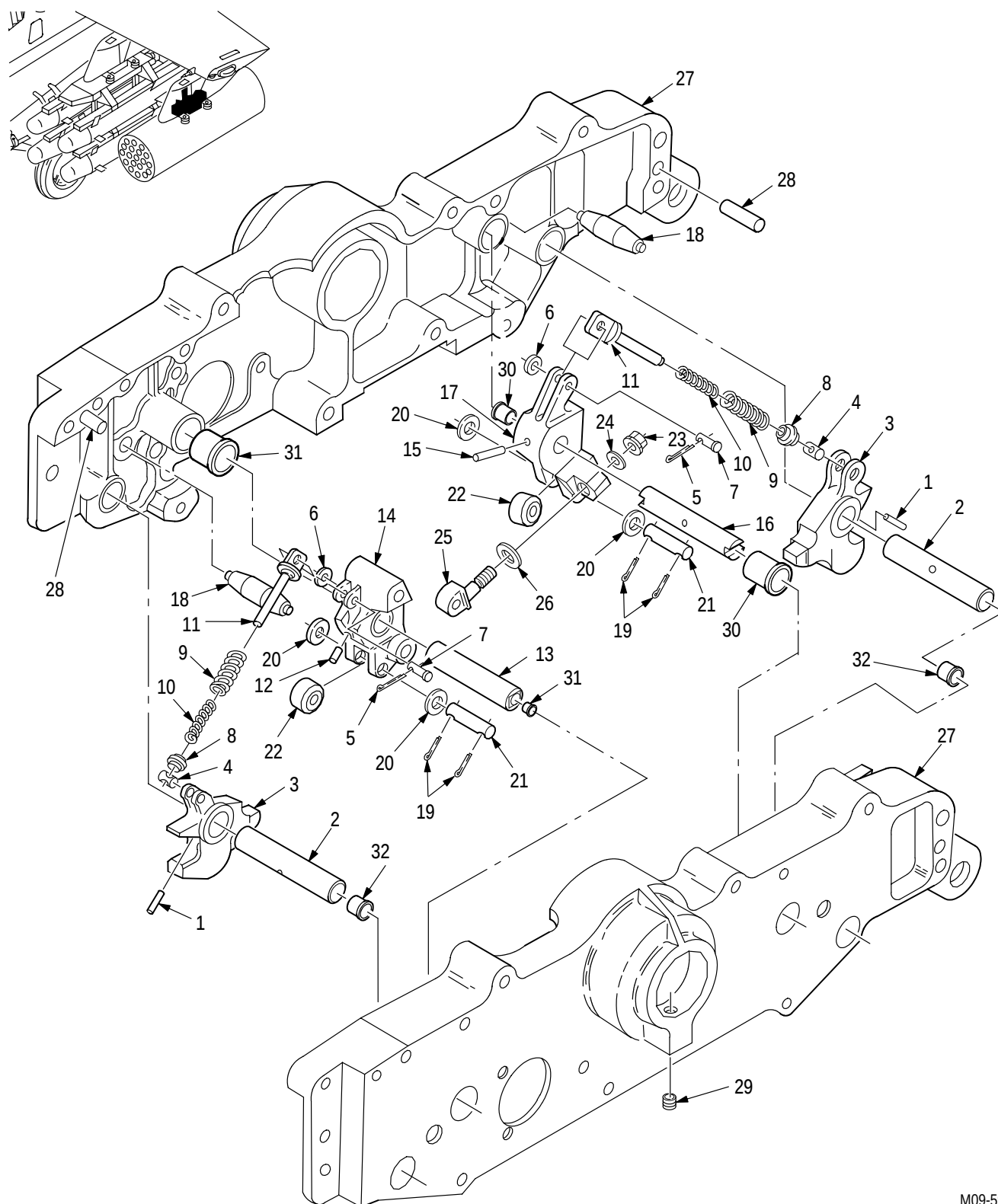




M09-596H

Figure 699. Group 16 Rack, Bomb Ejector, Aircraft (Part 1)  
7-318000150-11

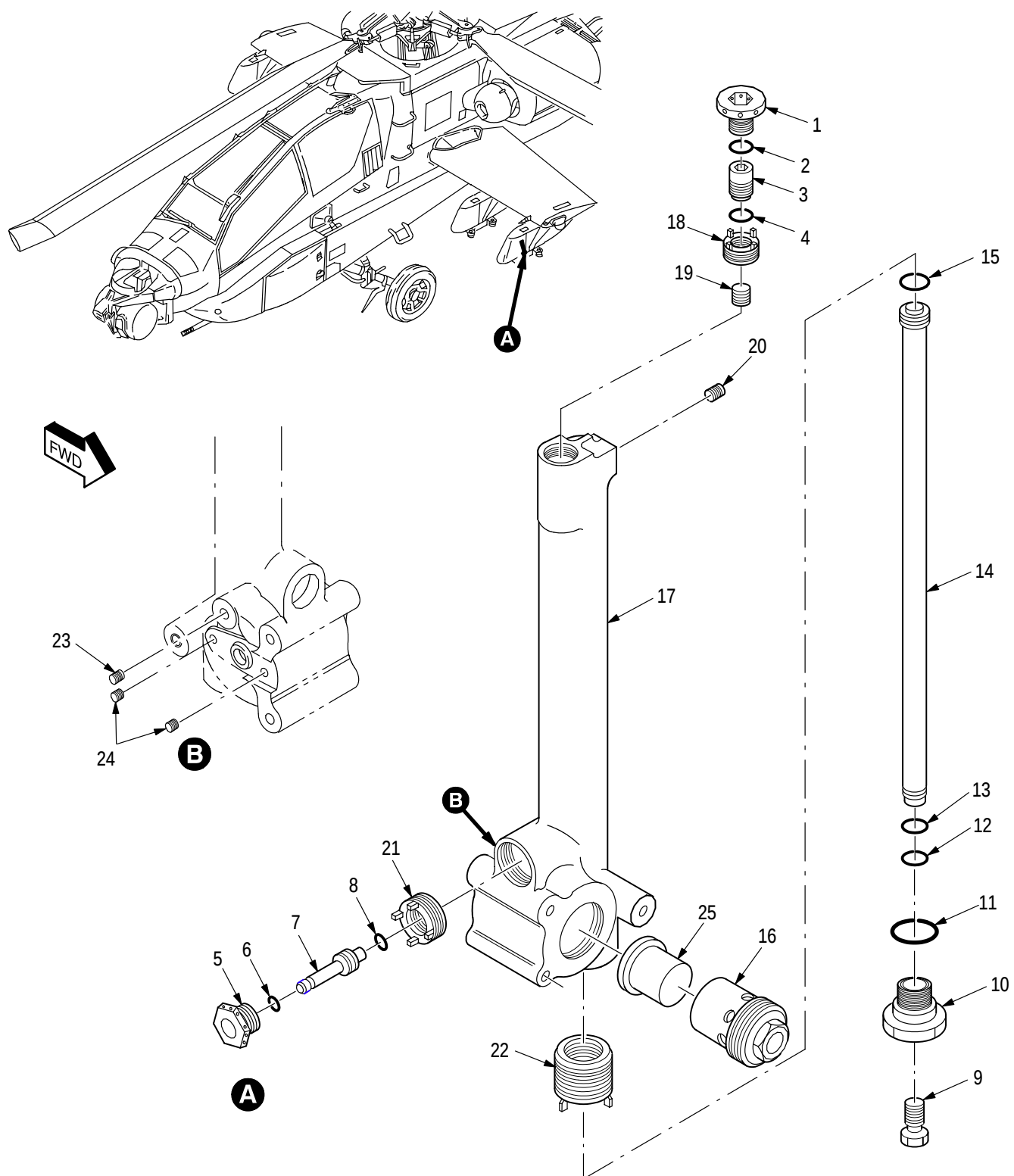
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 699 Rack, Bomb Ejector, Aircraft (Part 1)<br>7-318000150-11<br>See Fig. 698 for NHA |            |
| 1                  | XDFZZ              | 02731       | HS5333-1000        | • Plate, Ident . . . . .                                                                                               | 1          |
| 2                  | PAFZZ              | 96906       | MS21083N5          | • Nut, Self-Locking, He . . . . .                                                                                      | 11         |
| 3                  | PAFZZ              | 80205       | NAS1149D0516K      | • Washer, Flat . . . . .                                                                                               | 20         |
| 4                  | PAFZZ              | 80205       | NAS6605-42         | • Bolt, Shear . . . . .                                                                                                | 6          |
| 5                  | PAFZZ              | 80205       | NAS6605H47         | • Bolt, Shear . . . . .                                                                                                | 1          |
| 6                  | PAFZZ              | 96906       | MS21083N4          | • Nut, Self-Locking, He . . . . .                                                                                      | 5          |
| 7                  | PAFZZ              | 80205       | NAS1149D0416K      | • Washer, Flat . . . . .                                                                                               | 20         |
| 8                  | PAFZZ              | 80205       | NAS6204-42         | • Bolt, Shear . . . . .                                                                                                | 1          |
| 9                  | PAFZZ              | 80205       | NAS6204-48H        | • Bolt, Shear . . . . .                                                                                                | 1          |
| 10                 | PAFZZ              | 80205       | NAS1149D0463K      | • Washer, Flat . . . . .                                                                                               | 20         |
| 11                 | PAFZZ              | 80205       | NAS6204-27         | • Bolt, Shear . . . . .                                                                                                | 1          |
| 12                 | PAFZZ              | 96906       | MS21042L5          | • Nut, Self-Locking, Ex . . . . .                                                                                      | 4          |
| 13                 | PAFZZ              | 96906       | MS21206-5          | • Washer, Flat . . . . .                                                                                               | 8          |
| 14                 | PAFZZ              | 96906       | MS21206-C5         | • Washer, Recessed . . . . .                                                                                           | 4          |
| 15                 | PAFZZ              | 02731       | HS4144-5L28        | • Bolt, Shear . . . . .                                                                                                | 2          |
| 16                 | PAFZZ              | 02731       | HS4144-5L26        | • Bolt, Shear . . . . .                                                                                                | 2          |
| 17                 | PAFZZ              | 96906       | MS35691-51         | • Nut, Plain, Hexagon . . . . .                                                                                        | 4          |
| 18                 | PAFZZ              | 8V613       | 7-318000201        | • Sway Restraint, Rack . . . . .                                                                                       | 4          |
| 19                 | PAFZZ              | 8V613       | 7-318000197        | • Brace, Sway-Ejector . . . . .                                                                                        | 2          |
| 20                 | PAFZZ              | 80205       | NAS1190E06P5N      | • Screw, Cap, Socket He . . . . .                                                                                      | 2          |
| 21                 | PAFZZ              | 80205       | NAS620A6           | • Washer, Flat . . . . .                                                                                               | 2          |
| 22                 | PAFZZ              | 8V613       | 7-318000189        | • Indicator, Hook, Pylon . . . . .                                                                                     | 2          |
| 23                 | PAFZZ              | 80205       | MS24665-132        | • Pin, Cotter . . . . .                                                                                                | 4          |
| 24                 | PAFZZ              | 96906       | MS20392-3C49       | • Pin, Straight, Headed . . . . .                                                                                      | 1          |
| 25                 | PAFZZ              | 96906       | MS20392-3C17       | • Pin, Straight, Headed . . . . .                                                                                      | 1          |
| 26                 | PAFZZ              | 8V613       | 7-318000178        | • Connecting Link, Rig . . . . .                                                                                       | 1          |
| 27                 | PAFZZ              | 96906       | MS21093-0618       | • Screw, Cap, Socket He . . . . .                                                                                      | 2          |
| 28                 | PAFZZ              | 8V613       | 7-318000204        | • Retainer, Contact, Ra . . . . .                                                                                      | 1          |
| 29                 | PAOOO              | 8V613       | 7-318000159        | • Ejector Assy, Rack P (See Fig. 701 for Breakdown) . . . . .                                                          | 1          |
| 30                 | PAFZZ              | 80205       | NAS1149D0563K      | • Washer, Flat . . . . .                                                                                               | 20         |
| 31                 | PAOZZ              | 02731       | HS5542-04043       | • Bushing, Sleeve . . . . .                                                                                            | 3          |
| 32                 | PAFZZ              | 80205       | NAS6605-47         | • Bolt, Shear . . . . .                                                                                                | 2          |
| 33                 | PAFZZ              | 80205       | NAS6204-48         | • Bolt, Shear . . . . .                                                                                                | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                        |            |



M09-597E

Figure 700. Group 16 Rack, Bomb Ejector, Aircraft (Part 2)  
7-318000150-11

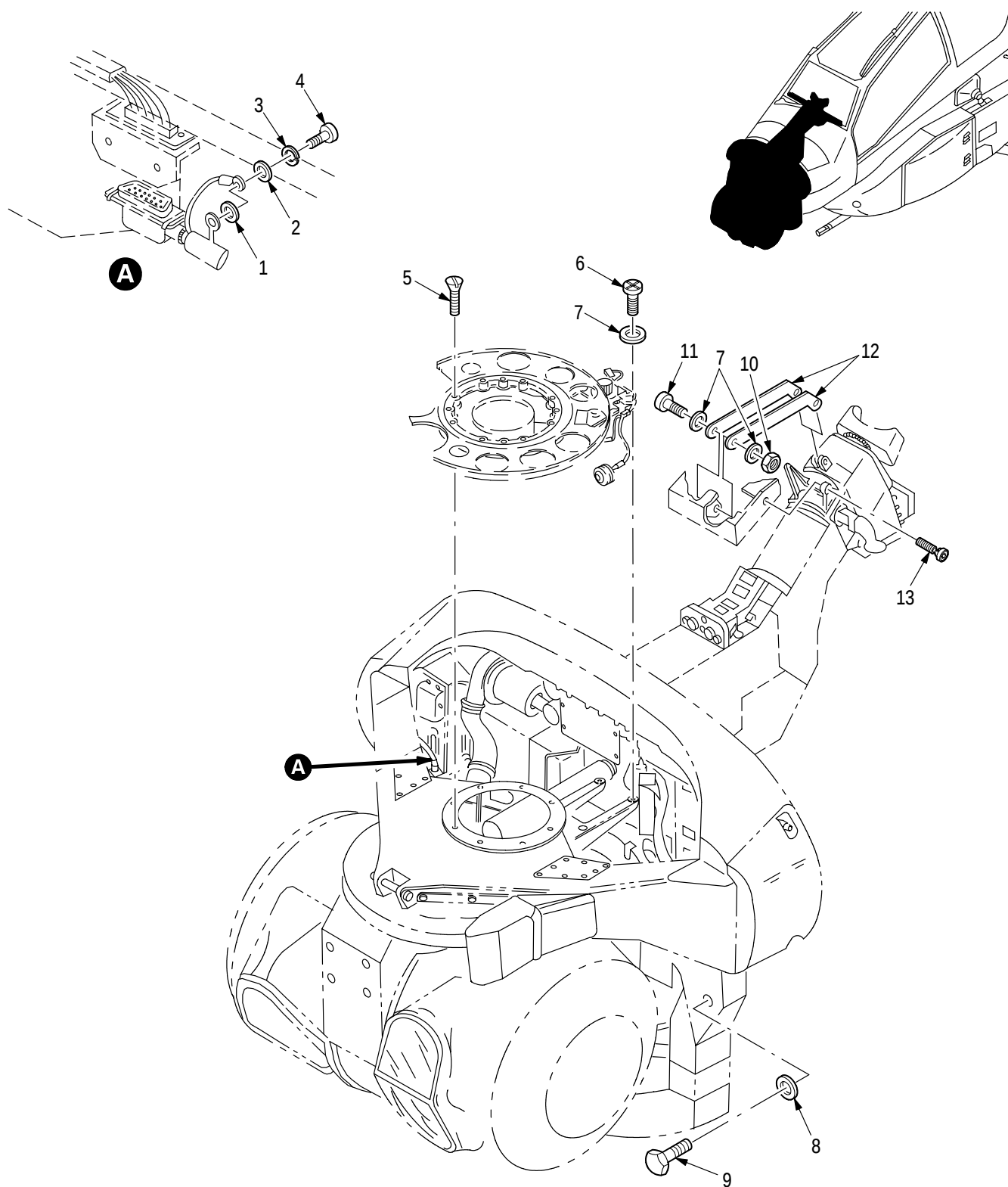
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 700 Rack, Bomb Ejector, Aircraft (Part 2)<br>7-318000150-11<br>See Fig. 698 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS39086-35         | • Pin, Spring .....                                                                                                    | 2          |
| 2                  | PAFZZ              | 8V613       | 7-318000175        | • Pin, Straight, Headle .....                                                                                          | 2          |
| 3                  | PAFZZ              | 8V613       | 7-318000172        | • Hook, Suspension Rac .....                                                                                           | 2          |
| 4                  | PAFZZ              | 8V613       | 7-318000181        | • Pin, Straight, Headle .....                                                                                          | 2          |
| 5                  | PAFZZ              | 80205       | MS24665-132        | • Pin, Cotter .....                                                                                                    | 4          |
| 6                  | XDFZZ              | 80205       | NAS1149D0316K      | • Washer, Flat .....                                                                                                   | 5          |
| 7                  | PAFZZ              | 96906       | MS20392-2C15       | • Pin, Straight, Headed .....                                                                                          | 2          |
| 8                  | PAFZZ              | 8V613       | 7-318000180        | • Spacer, Sleeve .....                                                                                                 | 2          |
| 9                  | PAFZZ              | 02731       | HS4953-038-175S    | • Spring, Helical, Comp .....                                                                                          | 2          |
| 10                 | PAFZZ              | 02731       | HS4953-059-20S     | • Spring, Helical, Comp .....                                                                                          | 2          |
| 11                 | PAFZZ              | 8V613       | 7-318000179        | • Pin, Straight, Headed .....                                                                                          | 2          |
| 12                 | PAFZZ              | 96906       | MS39086-254        | • Pin, Spring .....                                                                                                    | 1          |
| 13                 | PAFZZ              | 8V613       | 7-318000176        | • Pin, Hollow .....                                                                                                    | 1          |
| 14                 | PAFZZ              | 8V613       | 7-318000173        | • Bell Crank .....                                                                                                     | 1          |
| 15                 | XDFZZ              | 96906       | MS39086-136        | • Pin, Spring .....                                                                                                    | 1          |
| 16                 | PAFZZ              | 8V613       | 7-318000199        | • Pin, Bellcrank .....                                                                                                 | 1          |
| 17                 | PAFZZ              | 8V613       | 7-318000174        | • Bell Crank .....                                                                                                     | 1          |
| 18                 | PAFZZ              | 8V613       | 7-318000177        | • Bumper, Hook, Pylon .....                                                                                            | 2          |
| 19                 | PAFZZ              | 80205       | MS24665-69         | • Pin, Cotter .....                                                                                                    | 4          |
| 20                 | PAFZZ              | 8V613       | 7-318000236        | • Washer, Flat .....                                                                                                   | 4          |
| 21                 | PAFZZ              | 8V613       | 7-318000200        | • Pin, Straight, Headle .....                                                                                          | 2          |
| 22                 | PAFZZ              | 8V613       | 7-318000235        | • Bearing, Sleeve .....                                                                                                | 2          |
| 23                 | PAFZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                                          | 1          |
| 24                 | XDFZZ              | 80205       | NAS1149C0316B      | • Washer, Flat .....                                                                                                   | 5          |
| 25                 | PAFZZ              | 8V613       | 7-318000182        | • Bolt, Eye .....                                                                                                      | 1          |
| 26                 | PAOZZ              | 02731       | HS5079-2746        | • Shim .....                                                                                                           | V          |
| 27                 | PAFFF              | 8V613       | 7-318000151-7      | • Bracket, Mounting (MATCHED SET) .....                                                                                | 1          |
| 28                 | PAFZZ              | 96906       | MS16555-648        | • Pin, Straight, Headle .....                                                                                          | 2          |
| 29                 | PAFZZ              | 81349       | M45932/1-17L       | • Insert, Screw Thread .....                                                                                           | 2          |
| 30                 | PAFZZ              | 80205       | NAS538B7-66        | • Bushing, Sleeve .....                                                                                                | 2          |
| 31                 | PAFZZ              | 80205       | NAS538B11-66       | • Bushing, Sleeve .....                                                                                                | 2          |
| 32                 | PAFZZ              | 80205       | NAS538B7-87        | • Bushing, Sleeve .....                                                                                                | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                                                        |            |



M09-598C

Figure 701. Group 16 Ejector Assembly, Rack Pylon  
7-318000159

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 701 Ejector Assembly, Rack Pylon<br>7-318000159<br>See Fig. 699 for NHA |            |
| 1                  | PAOZZ              | 8V613       | 7-318000166        | • Plug, Machine Thread .....                                                                               | 1          |
| 2                  | PAOZZ              | 81349       | M83248-2-908       | • O-Ring .....                                                                                             | 1          |
| 3                  | PAOZZ              | 8V613       | 7-318000165        | • Restrictor, Fluid Fl .....                                                                               | 1          |
| 4                  | PAOZZ              | 81349       | M83248/1-902       | • O-Ring .....                                                                                             | 1          |
| 5                  | PAOZZ              | 8V613       | 7-318000164        | • Retainer, Plunger Ej .....                                                                               | 1          |
| 6                  | PAOZZ              | 8V613       | 7-318000208        | • Ring, Detent, Plunger .....                                                                              | 1          |
| 7                  | PAOZZ              | 8V613       | 7-318000163        | • Plunger, Ejector Rac .....                                                                               | 1          |
| 8                  | PAOZZ              | 81349       | M83248/2-012       | • O-Ring .....                                                                                             | 1          |
| 9                  | PAOZZ              | 02731       | HS4570-5-6         | • Bolt, Self-Locking .....                                                                                 | 1          |
| 10                 | PAOZZ              | 8V613       | 7-318000168        | • Retainer, Piston Eje .....                                                                               | 1          |
| 11                 | PAOZZ              | 81349       | M83248/2-017       | • O-Ring .....                                                                                             | 1          |
| 12                 | PAOZZ              | 8V613       | 7-318000170        | • Ring, Piston .....                                                                                       | 1          |
| 13                 | PAOZZ              | 81349       | M83248/2-112       | • O-Ring .....                                                                                             | 1          |
| 14                 | PAOZZ              | 8V613       | 7-318000167        | • Piston, Ejector, Rack .....                                                                              | 1          |
| 15                 | PAOZZ              | 81349       | M83248/2-014       | • O-Ring .....                                                                                             | 1          |
| 16                 | PAOZZ              | 8V613       | 7-318000171        | • Housing, Cartridge .....                                                                                 | 1          |
| 17                 | XAOOO              | 8V613       | 7-318000211        | • Ejector Sub Assy .....                                                                                   | 1          |
| 18                 | PAOZZ              | 8V613       | 7-318000162        | • • Insert, Screw Thread .....                                                                             | 1          |
| 19                 | PAOZZ              | 96906       | MS51831-104L       | • • Insert, Screw Thread .....                                                                             | 1          |
| 20                 | PAOZZ              | 02731       | HS5324-5-4         | • • Plug, Machine Thread .....                                                                             | 1          |
| 21                 | PAOZZ              | 8V613       | 7-318000206        | • • Insert, Retainer, Plu .....                                                                            | 1          |
| 22                 | PAOZZ              | 8V613       | 7-318000207        | • • Insert, Retainer-Pis .....                                                                             | 1          |
| 23                 | PAOZZ              | 96906       | MS51830-201L       | • • Insert, Screw Thread .....                                                                             | 1          |
| 24                 | PAOZZ              | 96906       | MS51830-103        | • • Insert, Screw Thread .....                                                                             | 2          |
| 25                 | PAOZZ              | 53711       | 5184850            | • Cartridge, Impulse .....                                                                                 | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                            |            |

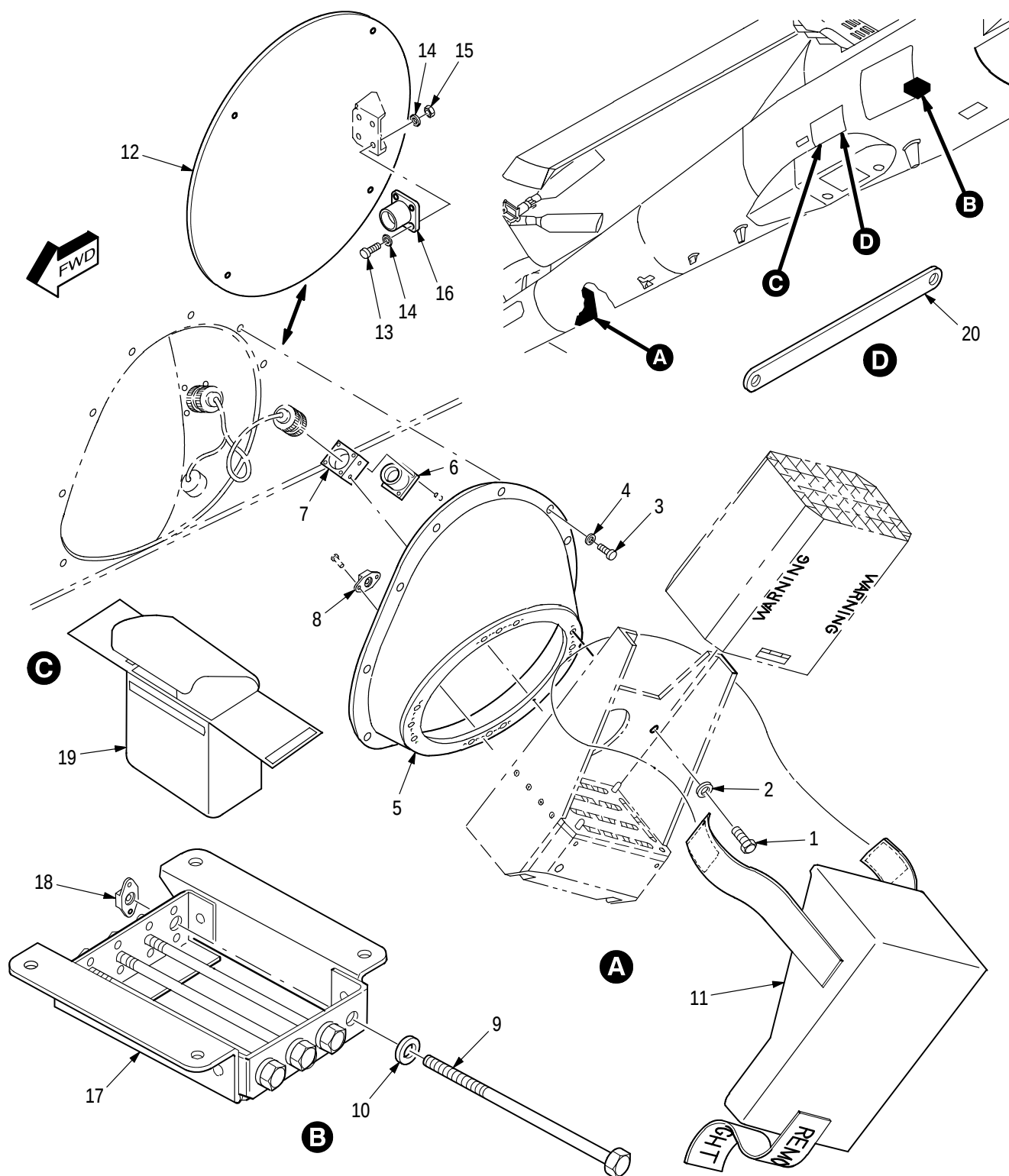


M09-1129C

Figure 702. Group 16 Hardware Installation, Target Acquisition Designation Sight and Pilot Night Vision Sensor Assemblies

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 702 Hardware Installation,<br>Target Acquisition Designation Sight and<br>Pilot Night Vision Sensor Assemblies |            |
| 1                  | PAOZZ              | 88044       | AN960JD8L          | • Washer, Flat .....                                                                                                                              | 1          |
| 2                  | PAOZZ              | 88044       | AN960-8            | • Washer, Flat .....                                                                                                                              | 1          |
| 3                  | PAOZZ              | 96906       | MS35338-137        | • Washer, Lock .....                                                                                                                              | 1          |
| 4                  | PAOZZ              | 96906       | MS35206-241        | • Screw, Machine .....                                                                                                                            | 1          |
| 5                  | PAOZZ              | 80205       | NAS1219-3-16       | • Screw, Machine .....                                                                                                                            | 8          |
| 6                  | XDOZZ              | 80205       | NAS1578A3H3        | • Screw, Close Toleran .....                                                                                                                      | 3          |
| 7                  | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat .....                                                                                                                              | 3          |
| 8                  | PAOZZ              | 96906       | MS20002C5          | • Washer, Recessed .....                                                                                                                          | 4          |
| 9                  | PAOZA              | 96906       | MS21250-05012      | • Bolt, Shear .....                                                                                                                               | 4          |
| 10                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                                                                     | 1          |
| 11                 | PAOZZ              | 80205       | NAS623-3-6         | • Screw, Machine .....                                                                                                                            | 1          |
| 12                 | XDOZZ              | 8V613       | 7-319300002        | • Strap, Ort Coupling .....                                                                                                                       | 2          |
| 13                 | PAOZZ              | 02731       | HS5264-5002        | • Glide, Furniture .....                                                                                                                          | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                   |            |

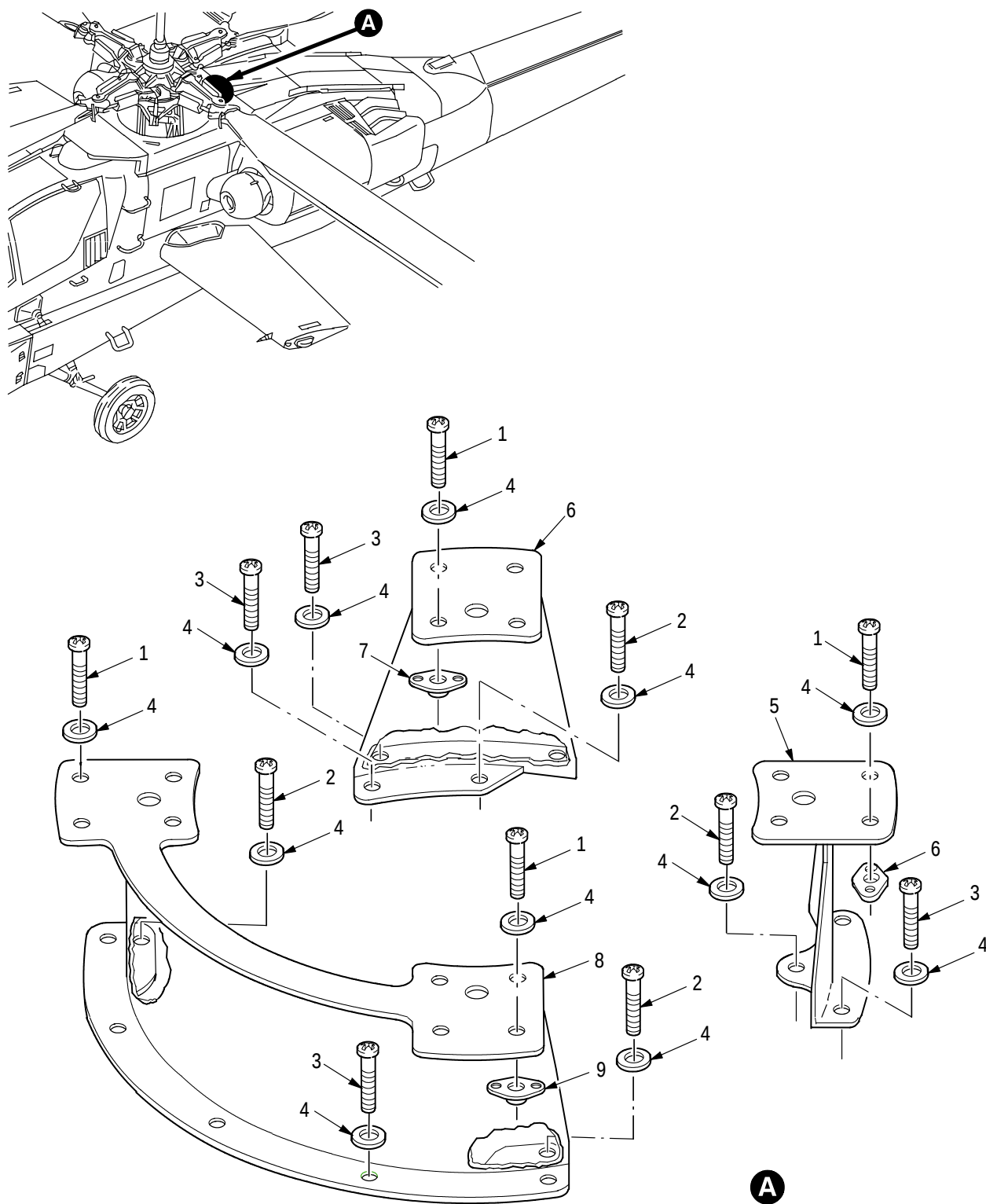




M09-1153D

Figure 703. Group 16 Countermeasure Installation (Part 1)  
7-311113421

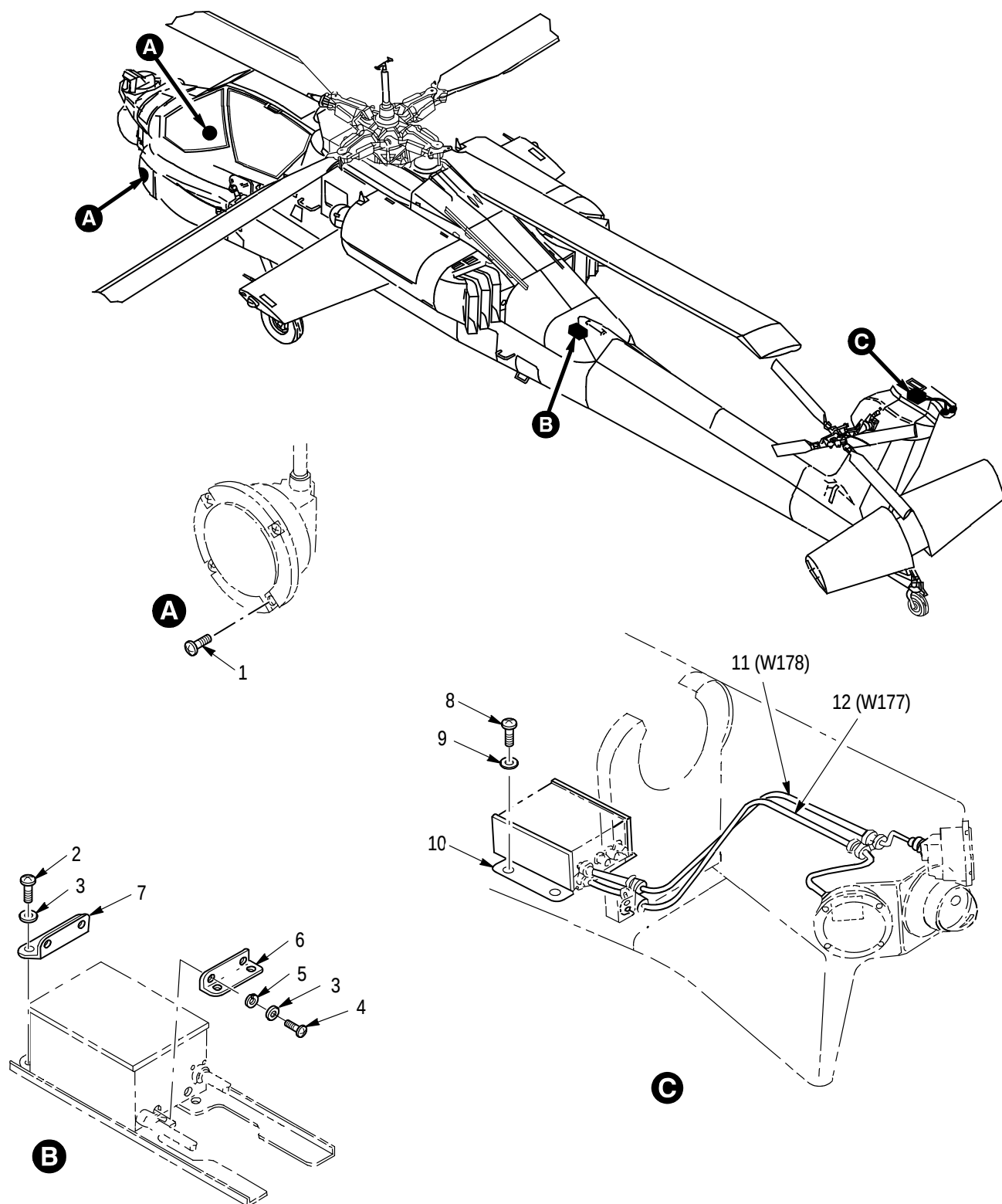
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 703 Countermeasure Installation (Part 1)<br>7-311113421 |            |
| 1                  | PAOZZ              | 80205       | NAS6604H3          | • Bolt, Shear .....                                                                        | 4          |
| 2                  | PAOZZ              | 88044       | AN960KD416L        | • Washer, Flat .....                                                                       | 4          |
| 3                  | PAOZZ              | 80205       | NAS623-3-3         | • Screw, Machine .....                                                                     | 14         |
| 4                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                       | 18         |
| 5                  | PBOOO              | 8V613       | 7-367510020        | • Support, Chaff Dispe .....                                                               | 1          |
| 6                  | PAOZA              | 81349       | M83723/61-212R     | • • Dummy Connector, Rec .....                                                             | 1          |
| 7                  | XDOZZ              | 8V613       | 7-367510020-5      | • • Clip .....                                                                             | 1          |
| 8                  | PAOZZ              | 96906       | MS21075L4E         | • • Nut, Self-Locking, Pl .....                                                            | 12         |
| 9                  | PAOZZ              | 80205       | NAS1303-62         | • Bolt, Shear .....                                                                        | 4          |
| 10                 | PAOZZ              | 80205       | NAS1149F0363P      | • Washer, Flat .....                                                                       | 4          |
| 11                 | PAOZZ              | 8V613       | 7-262120029        | • Cover, Access .....                                                                      | 1          |
| 12                 | PBOOO              | 8V613       | 7-311113422        | • Cover, Access .....                                                                      | 1          |
| 13                 | PAOZZ              | 96906       | MS51957-15         | • • Screw, Machine .....                                                                   | 4          |
| 14                 | PAOZZ              | 96906       | MS15795-803        | • • Washer, Flat .....                                                                     | 8          |
| 15                 | PAOZZ              | 80205       | MS21044C04         | • • Nut, Self-Locking, He .....                                                            | 4          |
| 16                 | PAOZZ              | 81349       | M38999/10-10B      | • • Dummy Connector, Rec .....                                                             | 1          |
| 17                 | PBOOO              | 8V613       | 7-311113423        | • Hardware Kit, Mechan .....                                                               | 1          |
| 18                 | PAOZZ              | 96906       | MS21076L3N         | • • Nut, Self-Locking, Pl .....                                                            | 4          |
| 19                 | PBOZZ              | 8V613       | 7-311113426        | • Bag, Textile .....                                                                       | 1          |
| 20                 | XDOZZ              | 8V613       | 7-311113427        | • Strip, Artifical Lea .....                                                               | 3          |
| END OF FIGURE      |                    |             |                    |                                                                                            |            |



M09-1154E

Figure 704. Group 16 Countermeasure Installation (Part 2)  
7-311113421

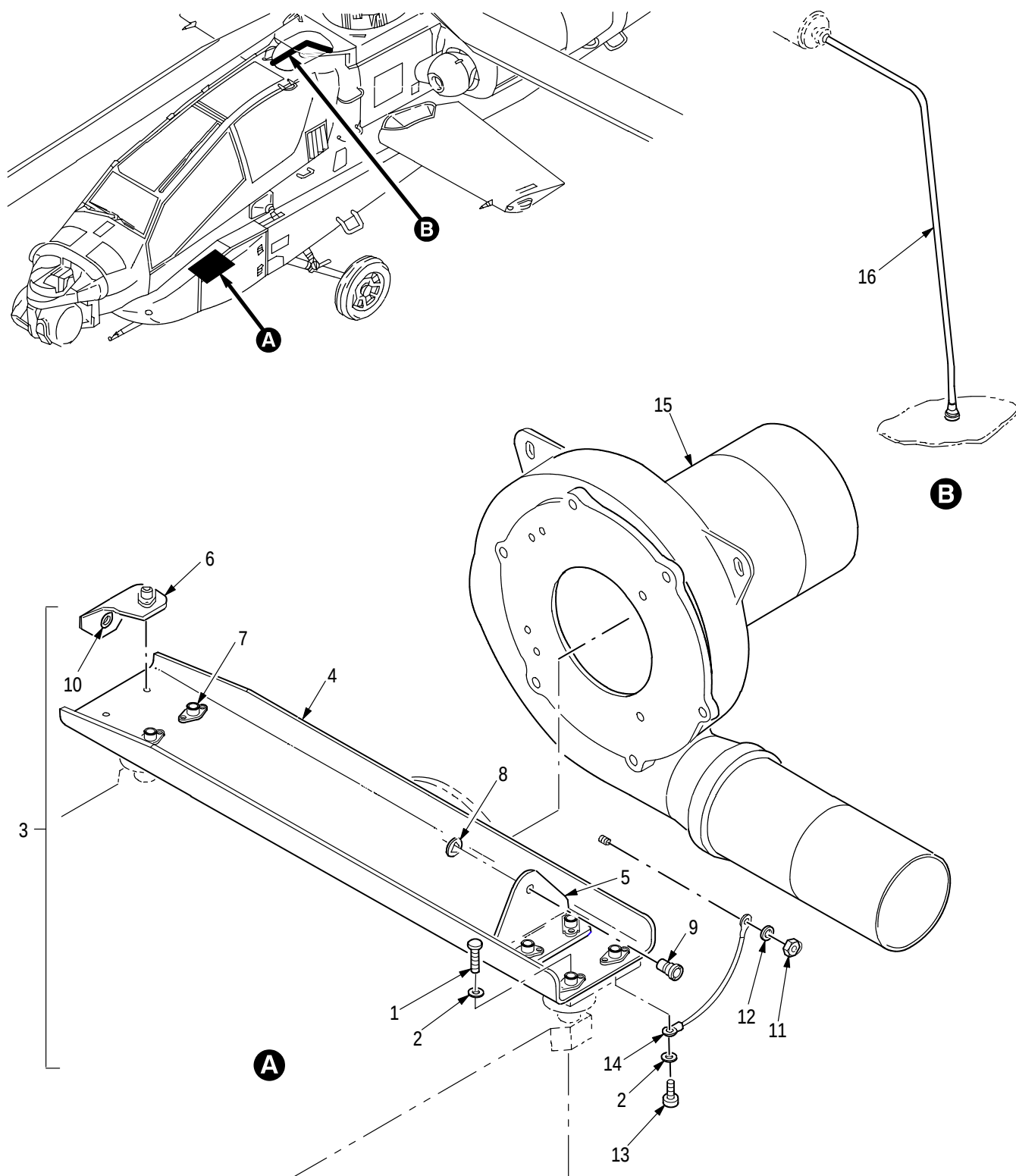
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 704 Countermeasure Installation (Part 2)<br>7-311113421 |            |
| 1                  | PAOZZ              | 80205       | NAS623-3-5         | • Screw, Machine .....                                                                     | 16         |
| 2                  | PAOZZ              | 80205       | NAS623-3-3         | • Screw, Machine .....                                                                     | 40         |
| 3                  | PAOZZ              | 80205       | NAS623-3-4         | • Screw, Machine .....                                                                     | 10         |
| 4                  | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....                                                                       | 30         |
| 5                  | PBOOO              | 8V613       | 7-267540001-5      | • Support Assembly Co .....                                                                | 1          |
| 6                  | PBOOO              | 8V613       | 7-267540001-7      | • Support Assembly Co .....                                                                | 1          |
| 7                  | PAOZZ              | 80205       | MS21075L3E         | • • Nut, Self-Locking, Pl .....                                                            | 4          |
| 8                  | PBOOO              | 8V613       | 7-267540001-3      | • Support Assembly Co .....                                                                | 1          |
| 9                  | PAOZZ              | 96906       | MS21075-L3         | • • Nut, Self-Locking, Pl .....                                                            | 8          |
| END OF FIGURE      |                    |             |                    |                                                                                            |            |



M09-1155C

Figure 705. Group 16 Countermeasure Installation (Part 3)  
7-311113421

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 705 Countermeasure Installation (Part 3)<br>7-311113421 |            |
| 1                  | PAOZZ              | 96906       | MS24693-C28        | • Screw, Machine .....                                                                     | 8          |
| 2                  | PAOZZ              | 80205       | NAS1403-2          | • Screw, Machine .....                                                                     | 4          |
| 3                  | PAOZZ              | 88044       | AN960JD10L         | • Washer, Flat .....                                                                       | 18         |
| 4                  | PAOZZ              | 80205       | NAS623-3-1         | • Screw, Machine .....                                                                     | 10         |
| 5                  | PAOZZ              | 96906       | MS35338-43         | • Washer, Lock .....                                                                       | 7          |
| 6                  | PAOZZ              | 8V613       | 7-214200014-3      | • Bracket, Angle .....                                                                     | 1          |
| 7                  | PAOZZ              | 8V613       | 7-214200014-5      | • Bracket, Angle .....                                                                     | 1          |
| 8                  | PAOZZ              | 80205       | NAS1096-3-7        | • Screw, Machine .....                                                                     | 4          |
| 9                  | PAOZZ              | 80205       | NAS1149D0332J      | • Washer, FLat .....                                                                       | 4          |
| 10                 | XDOZZ              | 8V613       | 7-367530001        | • Bracket, Installatio .....                                                               | 1          |
| 11                 | PAOZZ              | 68999       | AE11776-3          | • Cable Assembly, Radi .....                                                               | 1          |
| 12                 | PAOZZ              | 68999       | AE11776-4          | • Cable Assembly, Radi .....                                                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                            |            |

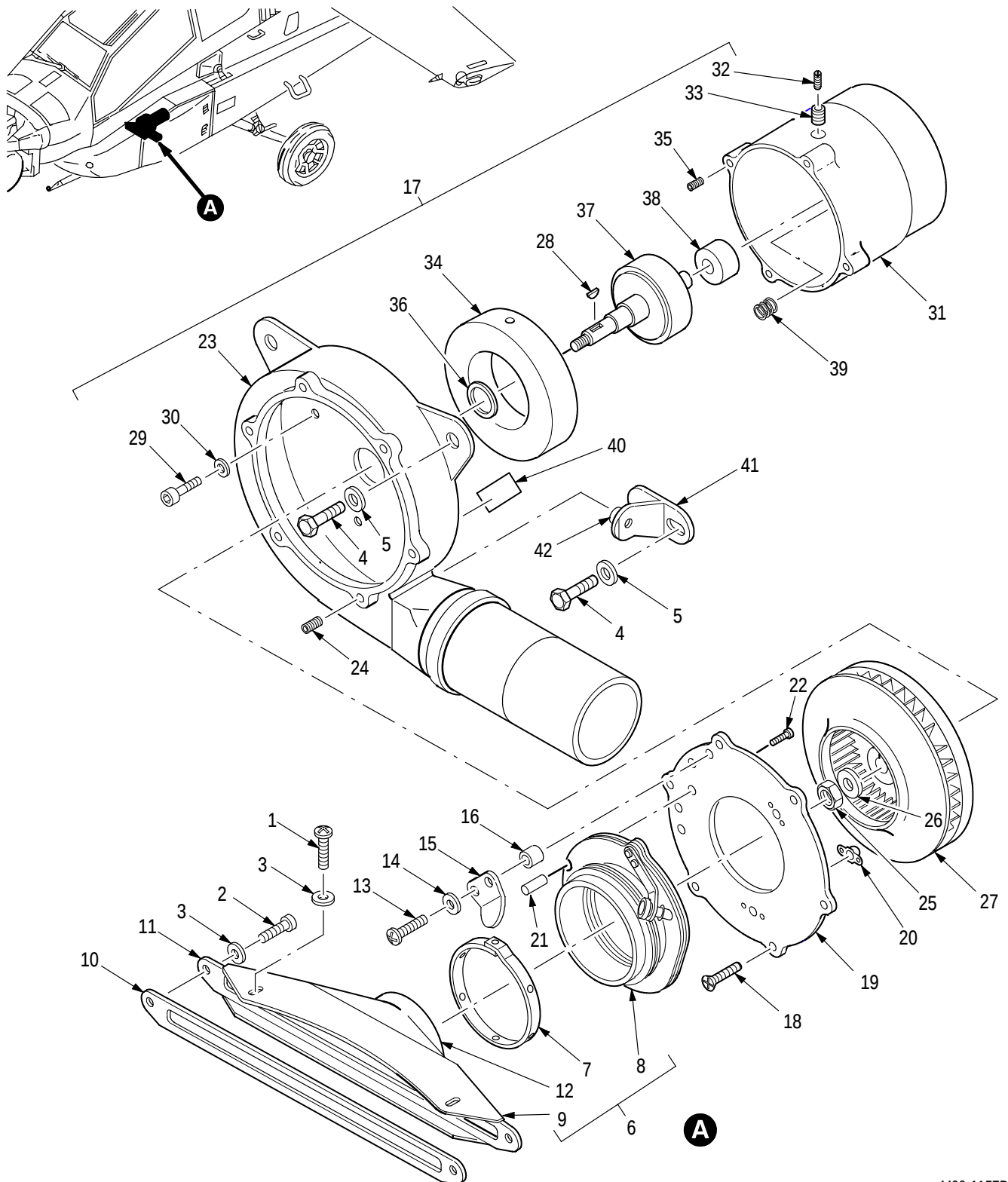


M09-1156D

Figure 706. Group 16 Countermeasure Installation (Part 4)  
7-311113421

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 706 Countermeasure Installation (Part 4)<br>7-311113421 |            |
| 1                  | PAOZZ              | 80205       | NAS1402-5          | • Screw, Machine .....                                                                     | 15         |
| 2                  | PAOZZ              | 88044       | AN960JD8           | • Washer, Flat .....                                                                       | 16         |
| 3                  | PBOOO              | 8V613       | 7-367520004        | • Channel Assembly, Re .....                                                               | 2          |
| 4                  | XDOZZ              | 8V613       | 7-367520004-3      | • • Channel .....                                                                          | 1          |
| 5                  | XDOZZ              | 8V613       | 7-367520004-7      | • • Angle .....                                                                            | 1          |
| 6                  | XDOZZ              | 8V613       | 7-367520004-9      | • • Angle .....                                                                            | 1          |
| 7                  | PAOZZ              | 02731       | HS4482-82-2        | • • Nut, Self-Locking, Pl .....                                                            | 8          |
| 8                  | PAOZZ              | 02731       | HS4497-7           | • • Push On Nut .....                                                                      | 1          |
| 9                  | PAOZZ              | 02731       | HS5294-1100        | • • Stud, Turnlock Faste .....                                                             | 1          |
| 10                 | PAOZZ              | 02731       | HS606S4-5          | • • Bushing, Sleeve .....                                                                  | 1          |
| 11                 | PAOZZ              | 80205       | MS21042L3          | • Nut, Self-Locking, Ex .....                                                              | 1          |
| 12                 | PAOZZ              | 88044       | AN960JD10          | • Washer, Flat .....                                                                       | 1          |
| 13                 | PAOZZ              | 80205       | NAS1402-6          | • Screw, Machine .....                                                                     | 1          |
| 14                 | PAOZZ              | 81349       | M83413/8-8-D06BB   | • Lead, Electrical .....                                                                   | 1          |
| 15                 | XCOFF              | 8V613       | 7-267521000        | • Cooling System Inst (See Fig. 707 for Breakdown) .....                                   | 1          |
| 16                 | PAOZZ              | 8V613       | 7-367520002-003    | • Cable Assembly, Spec .....                                                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                            |            |

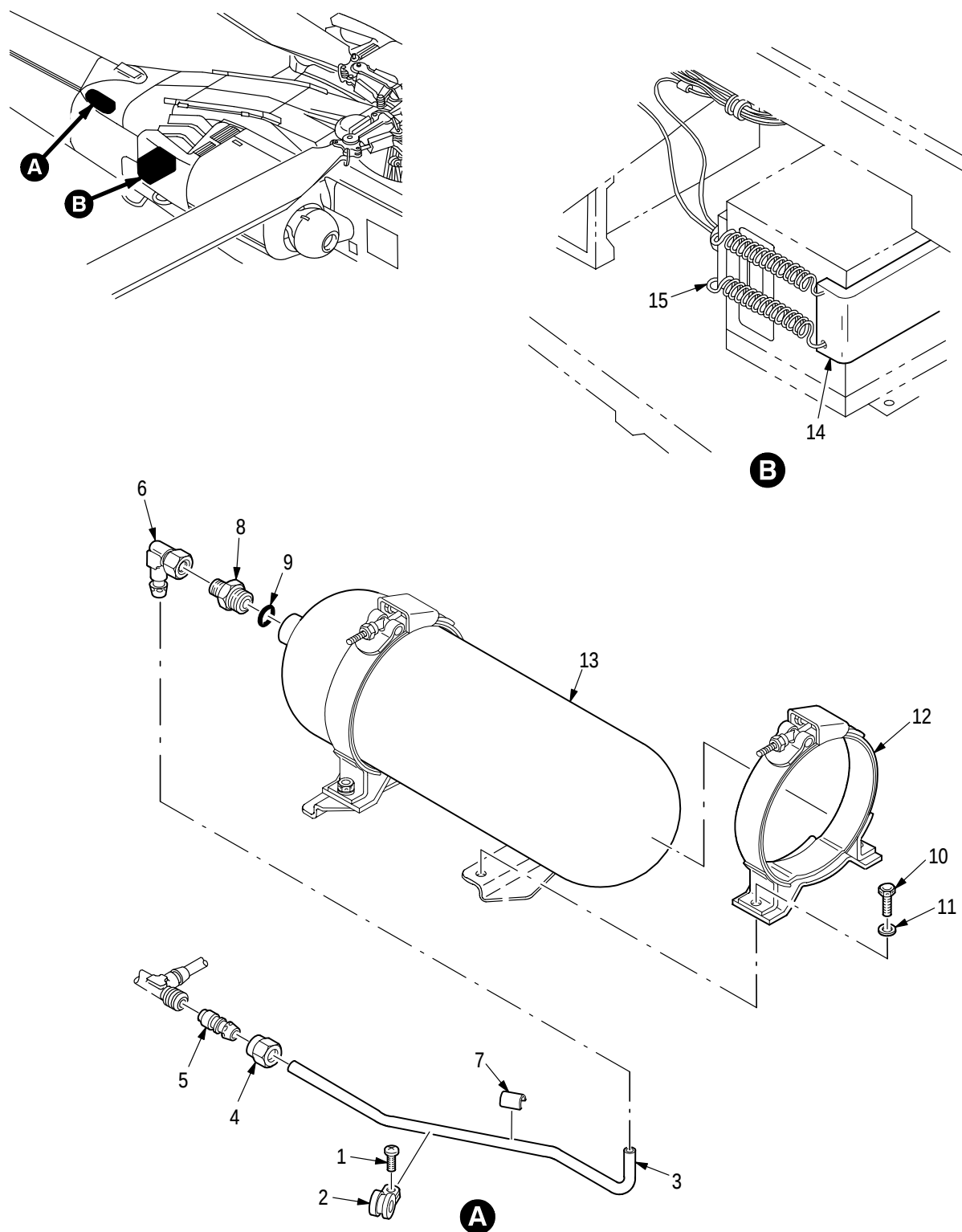




M09-1157D

Figure 707. Group 16 Cooling System Installation, Radar Jammer  
7-267521000

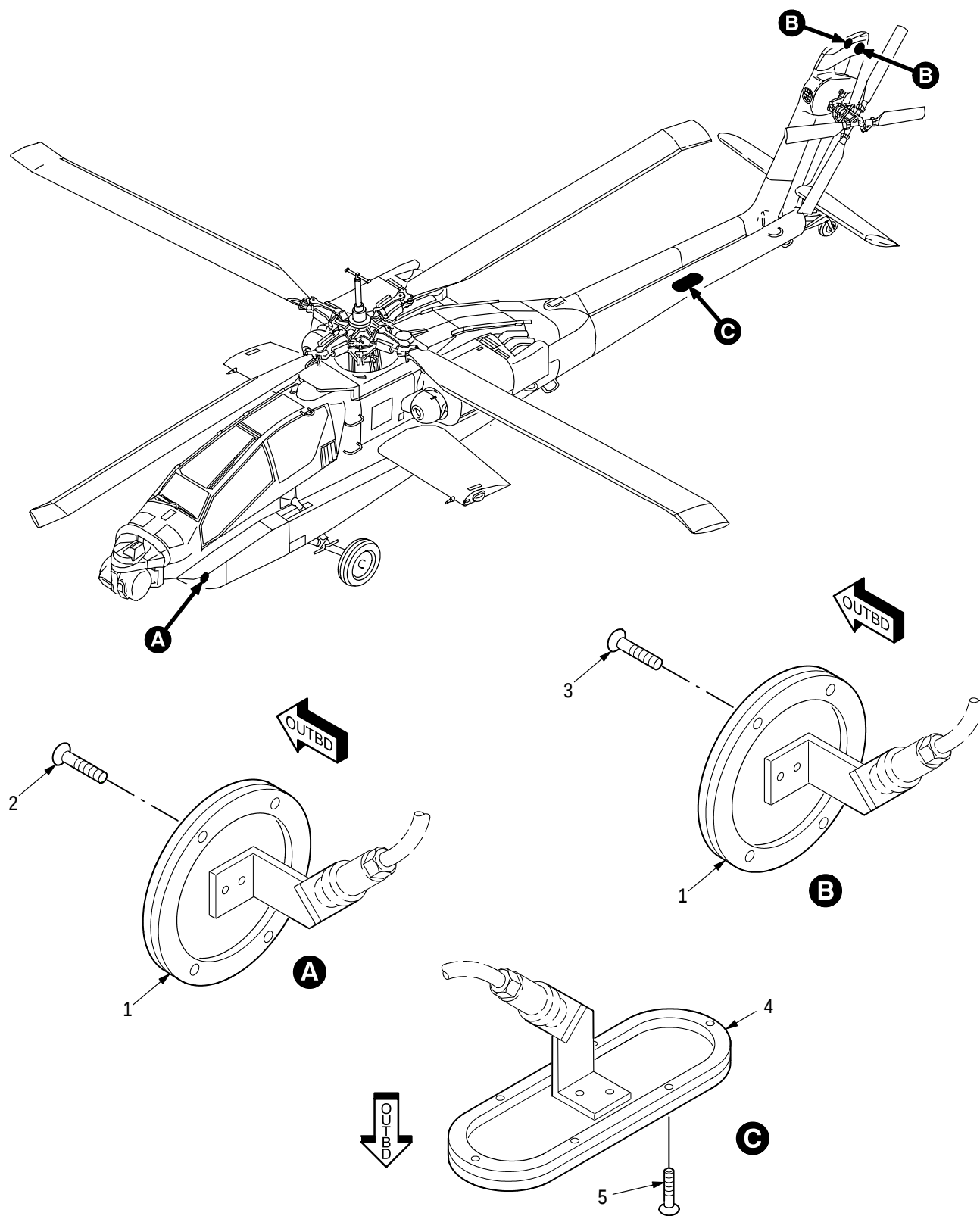
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 707 Cooling System Installation,<br>Radar Jammer<br>7-267521000<br>See Fig. 706 for NHA |            |
| 1                  | PAOZZ              | 80205       | NAS601-7P          | • Screw, Machine .....                                                                                                     | 2          |
| 2                  | PAOZZ              | 80205       | NAS601-8P          | • Screw, Machine .....                                                                                                     | 2          |
| 3                  | PAOZZ              | 88044       | AN960JD6L          | • Washer, Flat .....                                                                                                       | 4          |
| 4                  | PAOZZ              | 80205       | NAS1304-5          | • Bolt, Machine .....                                                                                                      | 5          |
| 5                  | PAOZZ              | 88044       | AN960JD416         | • Washer, Flat .....                                                                                                       | 5          |
| 6                  | PBOOZ              | 8V613       | 7-267521005-5      | • Duct Assembly, Air C .....                                                                                               | 1          |
| 7                  | PAOZZ              | 88907       | B54-33683          | •• Clamp, Hose .....                                                                                                       | 1          |
| 8                  | PAOZZ              | 8V613       | 7-267521006        | •• Bellows, Pressure .....                                                                                                 | 1          |
| 9                  | PBOOO              | 8V613       | 7-267521007-13     | •• Duct Assembly, Air C .....                                                                                              | 1          |
| 10                 | MOOZZ              | 8V613       | 7-267521007-23     | ••• Seal .....                                                                                                             | 1          |
| 11                 | MOOZZ              | 8V613       | 7-267521007-19     | ••• Shim, Duct Assy .....                                                                                                  | 2          |
| 12                 | MOOZZ              | 8V613       | 7-267521007-21     | ••• Seal .....                                                                                                             | 1          |
| 13                 | PAOZZ              | 96906       | MS35206-246        | • Screw, Machine .....                                                                                                     | 4          |
| 14                 | PAOZZ              | 88044       | AN960JD8           | • Washer, Flat .....                                                                                                       | 4          |
| 15                 | XDOZZ              | 8V613       | 7-267521004        | • Clip, Retention .....                                                                                                    | 2          |
| 16                 | PAOZZ              | 02731       | HS12D07-120-014    | • Spacer, Sleeve .....                                                                                                     | 4          |
| 17                 | PAOFF              | 8V613       | 7-267521001        | • Fan, Centrifugal (Usbl Eff 82-23355 thru 88-0199) .....                                                                  | 1          |
| 17                 | PAOFF              | 8V613       | 7-267521001-3      | • Fan, Centrifugal (Usbl Eff 88-0200 and Subs) .....                                                                       | 1          |
| 18                 | XDFZA              | 80205       | NAS514P832-4P      | •• Screw, Machine .....                                                                                                    | 6          |
| 19                 | PAFFF              | 58163       | 40607-1            | •• Plate, Entrance Cove .....                                                                                              | 1          |
| 20                 | PAFZZ              | 02731       | HS4427-1           | ••• Receptacle, Turnlock .....                                                                                             | 2          |
| 21                 | XDFZZ              | 58163       | 40613-1            | ••• Pin, Straight, Thread .....                                                                                            | 1          |
| 22                 | PAFZZ              | 96906       | MS21091-04002      | •• Screw, Cap, Socket He .....                                                                                             | 1          |
| 23                 | XDFFF              | 58163       | 40605-1            | •• Housing, Assy (Usbl Eff 82-23355 thru 88-0199) .....                                                                    | 1          |
| 23                 | XDFFF              | 58163       | 40605-3            | •• Housing Assy (Usbl Eff 88-0200 and Subs) .....                                                                          | 1          |
| 24                 | PAFZZ              | 96906       | MS21209C0810       | ••• Insert, Screw Thread .....                                                                                             | 6          |
| 25                 | PAFZZ              | 96906       | MS21083N6          | •• Nut, Self-Locking, He .....                                                                                             | 1          |
| 26                 | PAFZZ              | 88044       | AN960-616          | •• Washer, Flat .....                                                                                                      | 1          |
| 27                 | PAFZZ              | 58163       | 40594-1            | •• Impeller, Fan, Axial .....                                                                                              | 1          |
| 28                 | PAFZZ              | 96906       | MS35756-6          | •• Key, Woodruff .....                                                                                                     | 1          |
| 29                 | PAFZZ              | 80205       | NAS1352-08-12P     | •• Screw, Cap, Socket He .....                                                                                             | 4          |
| 30                 | PAFZZ              | 80205       | NAS620-8           | •• Washer, Flat .....                                                                                                      | 4          |
| 31                 | PAFFF              | 58163       | 40593-1            | •• Housing Assy .....                                                                                                      | 1          |
| 32                 | PAFZZ              | 88044       | AN565CC4H4         | ••• Setscrew .....                                                                                                         | 1          |
| 33                 | PAFZZ              | 96906       | MS21209C0415       | ••• Insert, Screw Thread .....                                                                                             | 1          |
| 34                 | XAFZZ              | 58163       | 40603-1            | ••• Stator, Assy .....                                                                                                     | 1          |
| 35                 | PAFZZ              | 96906       | MS21209C0820       | ••• Insert, Screw Thread .....                                                                                             | 4          |
| 36                 | PAFZZ              | 96906       | MS16625-4112       | •• Ring, Retaining .....                                                                                                   | 1          |
| 37                 | PAFZZ              | 58163       | 40597-1            | •• Rotor, Shaft Assembl .....                                                                                              | 1          |
| 38                 | PAFZZ              | 70854       | 101FFTX1K6G33      | •• Bearing, Ball, Annula .....                                                                                             | 2          |
| 39                 | PAFZZ              | 05341       | BS101              | •• Washer, Spring Tensi .....                                                                                              | 4          |
| 40                 | XDFZZ              | 58163       | 40604-1            | •• Nameplate (Usbl Eff 82-23355 thru 88-0199) .....                                                                        | 1          |
| 40                 | XDFZZ              | 58163       | 42617-1            | •• Nameplate (Usbl Eff 88-0200 and Subs) .....                                                                             | 1          |
| 41                 | PBOOO              | 8V613       | 7-267521002        | • Support, Cooling Fan .....                                                                                               | 1          |
| 42                 | PAOZZ              | 96906       | MS21075-4          | •• Nut, Self-Locking, Pl .....                                                                                             | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                            |            |



M09-1168A

Figure 708. Group 16 Kit, Winterization System Installation  
7-367200000

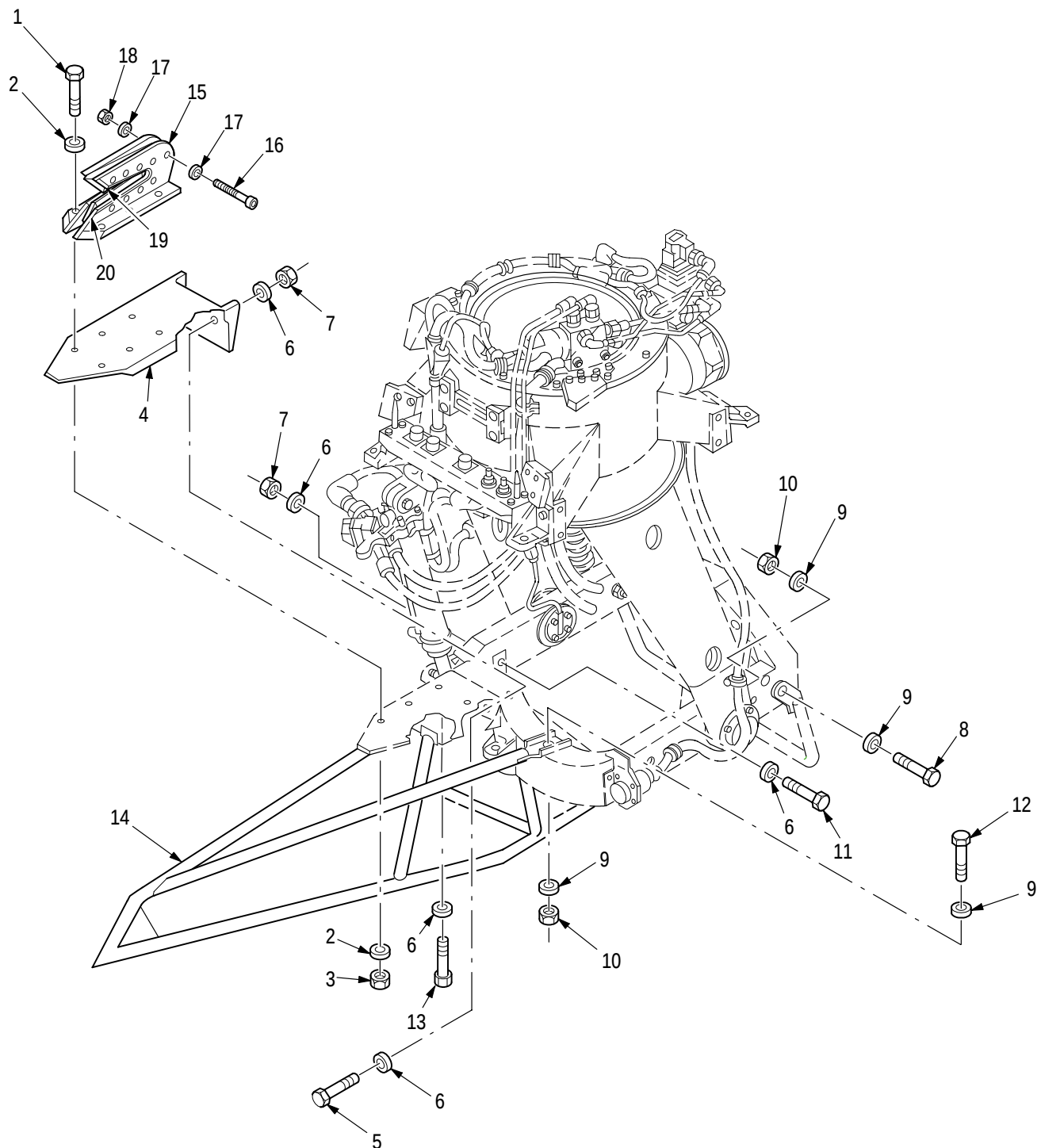
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 708 Kit, Winterization System Installation<br>7-367200000 |            |
| 1                  | PAOZZ              | 80205       | NAS1801-3-6        | • Screw, Machine .....                                                                       | 1          |
| 2                  | PAOZZ              | 02731       | HS4501D04NB        | • Clamp, Loop .....                                                                          | 1          |
| 3                  | XDOOO              | 8V613       | 7-367200001        | • Tube Assy, Metal .....                                                                     | 1          |
| 4                  | PAOZZ              | 02731       | HS4515-4           | • • Nut, Plain, Hexagon .....                                                                | 1          |
| 5                  | PAOZZ              | 02731       | HS4516-4           | • • Sleeve, Clinch, Tube .....                                                               | 1          |
| 6                  | PAOZZ              | 14798       | D10021A-4          | • • Elbow, Tube .....                                                                        | 1          |
| 7                  | XDOZZ              | 02731       | HS4367-2           | • • Plate, Identificatio .....                                                               | 1          |
| 8                  | PAOZZ              | 96906       | MS21916J5-4        | • Reducer, Boss .....                                                                        | 1          |
| 9                  | PAOZZ              | 81349       | M83248/1-905       | • O-Ring .....                                                                               | 1          |
| 10                 | PAOZZ              | 80205       | NAS6604H-1         | • Bolt, Shear .....                                                                          | 4          |
| 11                 | PAOZZ              | 80205       | AN960PD416L        | • Washer, Flat .....                                                                         | 4          |
| 12                 | PAOZZ              | 02731       | HS5310-0001        | • Clamp, Loop .....                                                                          | 2          |
| 13                 | PAOZZ              | 8V613       | 7-311810015        | • Accumulator, Pneumat .....                                                                 | 1          |
| 14                 | XDOOO              | 8V613       | 7-367220000-3      | • Blanket, Heater-Batt .....                                                                 | 1          |
| 15                 | PAOZZ              | 1T113       | 60-0640-006        | • • Spring, Helical, Exte .....                                                              | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                              |            |



M09-1158D

Figure 709. Group 16 Covers, Antenna Blade

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 709 Covers, Antenna Blade |            |
| 1                  | PBOZZ              | 8V613       | 7-314200001        | • Cover, Access .....                                        | 1          |
| 2                  | PAOZZ              | 96906       | MS24693C25         | • Screw, Machine .....                                       | 4          |
| 3                  | PAOZZ              | 96906       | MS24693C28         | • Screw, Machine .....                                       | 8          |
| 4                  | PBOZZ              | 8V613       | 7-314200009        | • Cover, Access .....                                        | 1          |
| 5                  | PAOZZ              | 96906       | MS24693B28         | • Screw, Machine .....                                       | 6          |
| END OF FIGURE      |                    |             |                    |                                                              |            |

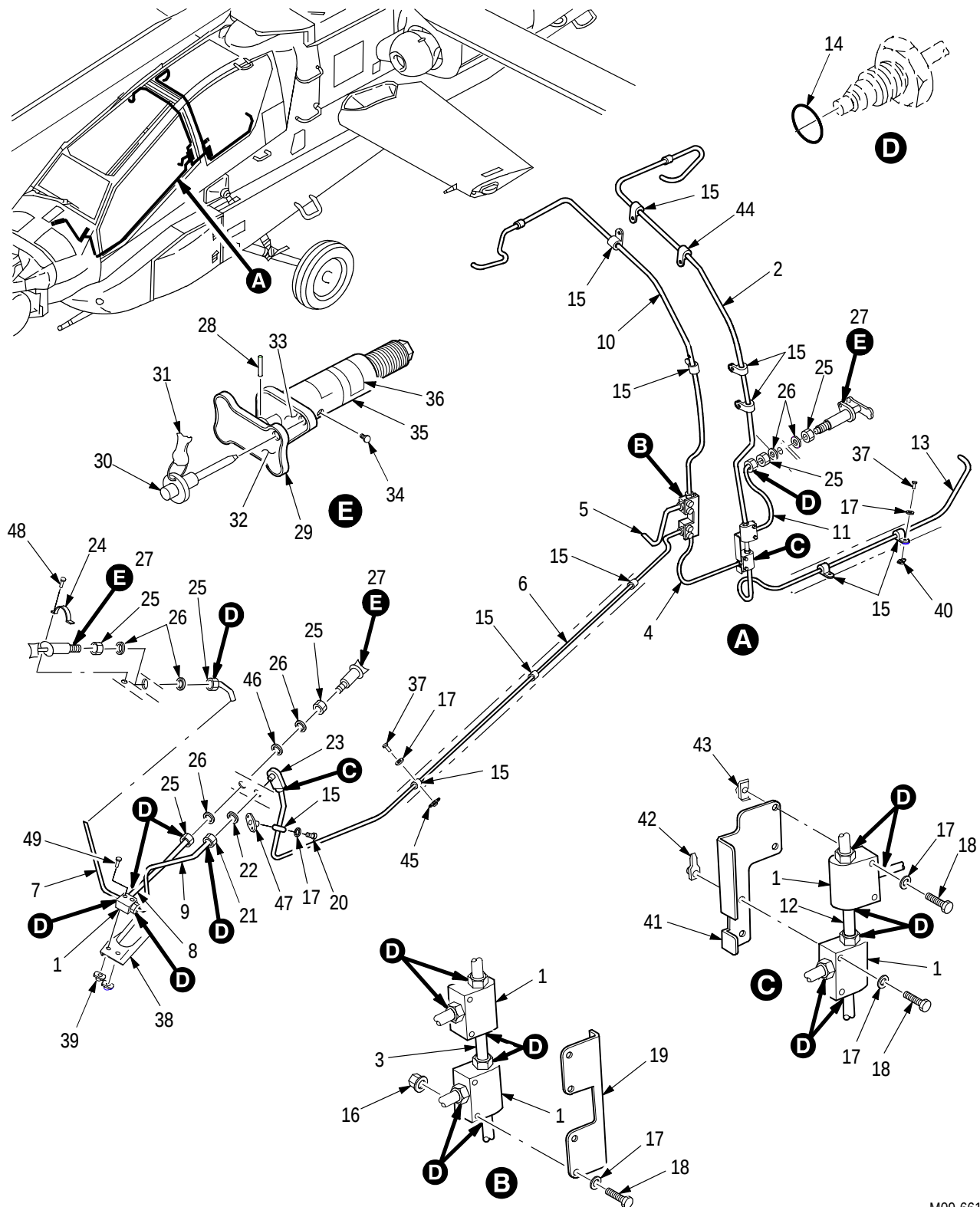


M09-1203

Figure 710. Group 16 Wire Strike Protection Installation, Gun Deflector  
7-217220000-611

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 16 Mission Equipment<br>Fig. 710 Wire Strike Protection Installation,<br>Gun Deflector<br>7-217220000-611 |            |
| 1                  | PAOZZ              | 80205       | NAS1303-8H         | • Bolt, Shear .....                                                                                             | 6          |
| 2                  | PAOZZ              | 80205       | NAS1149F0363P      | • Washer, Flat .....                                                                                            | 6          |
| 3                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                                   | 6          |
| 4                  | PAOZZ              | 35951       | 443-83103-1        | • Bracket, Mounting .....                                                                                       | 1          |
| 5                  | PAOZZ              | 80205       | NAS6606-42         | • Bolt, Shear .....                                                                                             | 2          |
| 6                  | PAOZZ              | 88044       | AN960-616          | • Washer, Flat .....                                                                                            | 7          |
| 7                  | PAOZZ              | 96906       | MS21042-6          | • Nut, Self-Locking, Ex .....                                                                                   | 3          |
| 8                  | PAOZZ              | 80205       | NAS6604-22         | • Bolt, Shear .....                                                                                             | 2          |
| 9                  | PAOZZ              | 88044       | AN960-416          | • Washer, Flat .....                                                                                            | 8          |
| 10                 | PAOZZ              | 80205       | MS21042-4          | • Nut, Self-Locking, Ex .....                                                                                   | 3          |
| 11                 | PAOZZ              | 80205       | NAS1306-23H        | • Bolt, Shear .....                                                                                             | 1          |
| 12                 | XDOZZ              | 80205       | NAS1304-52         | • Bolt, Shear .....                                                                                             | 1          |
| 13                 | PAOZZ              | 80205       | NAS6606-2          | • Bolt, Shear .....                                                                                             | 1          |
| 14                 | PAOZZ              | 35951       | 443-83110-1        | • Deflector, Cable .....                                                                                        | 1          |
| 15                 | PAOOO              | 35951       | 443-83095-1        | • Cutter, Cable, Aircra .....                                                                                   | 1          |
| 16                 | PAOZZ              | 35951       | 990-00026-3        | • • Screw, Cap, Socket He .....                                                                                 | 8          |
| 17                 | PAOZZ              | 80205       | NAS620-8           | • • Washer, Flat .....                                                                                          | 16         |
| 18                 | PAOZZ              | 96906       | MS21042L08         | • • Nut, Self-Locking, Ex .....                                                                                 | 8          |
| 19                 | PAOZZ              | 35951       | 366-83007-1        | • • Blade, Cutter Assy .....                                                                                    | 1          |
| 20                 | PAOZZ              | 35951       | 366-83007-3        | • • Blade, Cutter Assy .....                                                                                    | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                 |            |





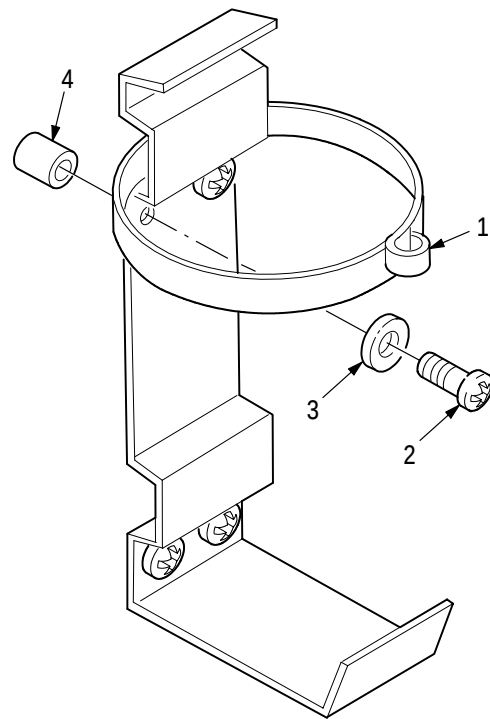
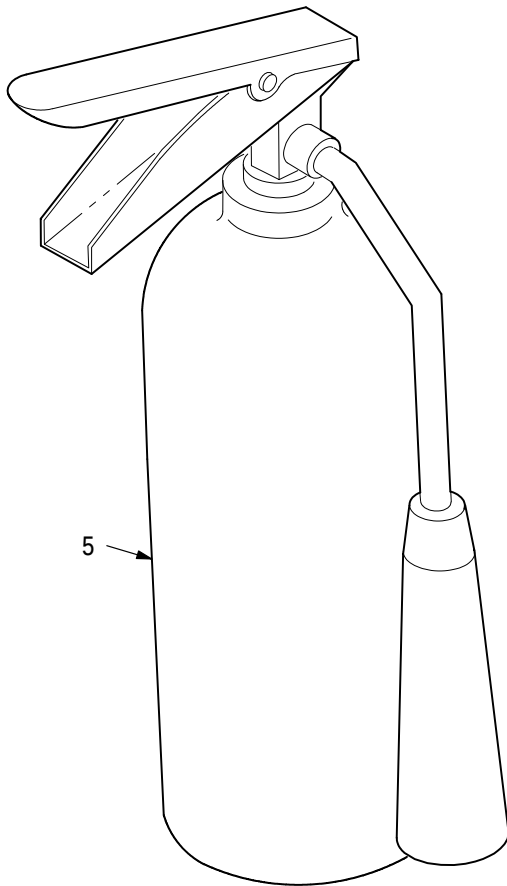
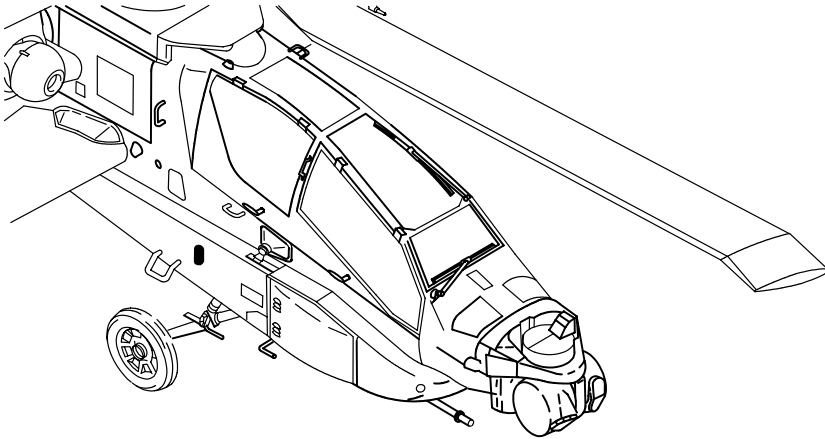
M09-661K

Figure 711. Group 17 Canopy Severance Device Installation  
7-311112058

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 17 Emergency Equipment<br>Fig. 711 Canopy Severance Device Installation<br>7-311112058 |            |
| 1                  | PBOZZ              | 8V613       | 7-311112017-3      | • Severance Device, Ca .....                                                                 | 5          |
| 2                  | PBOZZ              | 8V613       | 7-311112017-49     | • Cord Assembly, Deton .....                                                                 | 1          |
| 3                  | PBOZZ              | 8V613       | 7-311112017-21     | • Severance Device, Ca .....                                                                 | 1          |
| 4                  | PBOZZ              | 8V613       | 7-311112017-19     | • Severance Device, Ca .....                                                                 | 1          |
| 5                  | PBOZZ              | 8V613       | 7-311112017-23     | • Severance Device, Ca .....                                                                 | 1          |
| 6                  | PBOZZ              | 8V613       | 7-311112017-27     | • Severance Device, Ca .....                                                                 | 1          |
| 7                  | PBOZZ              | 8V613       | 7-311112017-33     | • Severance Device, Ca .....                                                                 | 1          |
| 8                  | PBOZZ              | 8V613       | 7-311112017-29     | • Severance Device, Ca .....                                                                 | 1          |
| 9                  | PBOZZ              | 8V613       | 7-311112017-43     | • Severance Device, Ca .....                                                                 | 1          |
| 10                 | PBOZZ              | 8V613       | 7-311112017-47     | • Cord Assembly, Deton .....                                                                 | 1          |
| 11                 | PBOZZ              | 8V613       | 7-311112017-35     | • Severance Device, Ca .....                                                                 | 1          |
| 12                 | PBOZZ              | 8V613       | 7-311112017-15     | • Severance Device, Ca .....                                                                 | 1          |
| 13                 | PBOZZ              | 8V613       | 7-311112017-13     | • Severance Device, Ca .....                                                                 | 1          |
| 14                 | PAOZZ              | 81349       | M83248/2-903       | • • O-Ring .....                                                                             | 2          |
| 15                 | PAOZZ              | 96906       | MS21322-33         | • Clamp, Loop .....                                                                          | 11         |
| 16                 | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                | 4          |
| 17                 | PAOZZ              | 59875       | TX90790-34         | • Washer, Flat .....                                                                         | 12         |
| 18                 | PAOZZ              | 88044       | AN3-11             | • Bolt, Machine .....                                                                        | 8          |
| 19                 | XDOZZ              | 8V613       | 7-311112058-17     | • Clip .....                                                                                 | 1          |
| 20                 | PAOZZ              | 80205       | NAS623-3-5         | • Screw, Machine .....                                                                       | 1          |
| 21                 | PAOZZ              | 96906       | MS21083D10         | • Nut, Self-Locking, He .....                                                                | 1          |
| 22                 | PAOZZ              | 88044       | AN960JD1016L       | • Washer, Flat .....                                                                         | 1          |
| 23                 | PAOZZ              | 8V613       | 7-311112017-45     | • Elbow, Severance Dev .....                                                                 | 1          |
| 24                 | PAOZZ              | 02731       | HS4181A16          | • Strap, Retaining .....                                                                     | 1          |
| 25                 | PAOZZ              | 96906       | MS9200-08          | • Nut, Plain Hexagon .....                                                                   | 6          |
| 26                 | PAOZZ              | 88044       | AN960PD1216L       | • Washer, Flat .....                                                                         | 6          |
| 27                 | PBOOA              | 8V613       | 7-311112017-51     | • Initiator, Cartridge .....                                                                 | 3          |
| 28                 | XAOZZ              | 96906       | MS16562-34         | • • Pin, Spring .....                                                                        | 1          |
| 29                 | XDOZZ              | 17610       | 23199-2            | • • Handle .....                                                                             | 1          |
| 30                 | PAOZZ              | 96906       | MS17984C412        | • • Pin, Quick Release .....                                                                 | 1          |
| 31                 | PAOZZ              | 80205       | NAS1756-12         | • • Streamer, Warning .....                                                                  | 1          |
| 32                 | XDOZZ              | 17610       | 23206-2            | • • Label, Canopy Jtsn .....                                                                 | 1          |
| 33                 | XDOZZ              | 17610       | 23205-2            | • • Label, Safe and Arm .....                                                                | 1          |
| 34                 | XDOZZ              | 17610       | 23282-2            | • • Spring Holder .....                                                                      | 1          |
| 35                 | XDOZZ              | 17610       | 23201-2            | • • Cap, End .....                                                                           | 1          |
| 36                 | XDOZZ              | 17610       | 22866-2            | • • Nameplate .....                                                                          | 1          |
| 37                 | XDOZZ              | 80205       | NAS623-3-4         | • Screw, Machine .....                                                                       | 5          |
| 38                 | XDOOO              | 8V613       | 7-311112058-21     | • Bracket Assy .....                                                                         | 1          |
| 39                 | PAOZZ              | 02731       | HS4174-2           | • • Nut, Self-Locking, Pl .....                                                              | 2          |
| 40                 | PAOZZ              | 80205       | MS21075L3E         | • Nut, Self-Locking, Pl .....                                                                | 4          |
| 41                 | XDOOO              | 8V613       | 7-311112058-3      | • Clip Assy .....                                                                            | 1          |
| 42                 | PAOZZ              | 96906       | MS21062L3          | • • Nut, Self-Locking, Pl .....                                                              | 2          |
| 43                 | PAOZZ              | 80205       | MS21075L3E         | • • Nut, Self-Locking, Pl .....                                                              | 2          |
| 44                 | PAOZZ              | 96906       | MS21333-97         | • Clamp, Loop .....                                                                          | 6          |
| 45                 | PAOZZ              | 96906       | MS21061L3          | • Nut, Self-Locking, Pl .....                                                                | 1          |
| 46                 | PAOZZ              | 80205       | NAS1523AA13H       | • Packing With Retain .....                                                                  | 1          |
| 47                 | PAOZZ              | 96906       | MS21074L3          | • Nut, Self-Locking, Pl .....                                                                | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 48                 | PAOZZ              | 80205       | NAS623-3-3         | • Screw, Machine .....                      | 2          |
| 49                 | PAOZZ              | 80205       | NAS623-3-14        | • Screw, Machine .....                      | 2          |
| END OF FIGURE      |                    |             |                    |                                             |            |

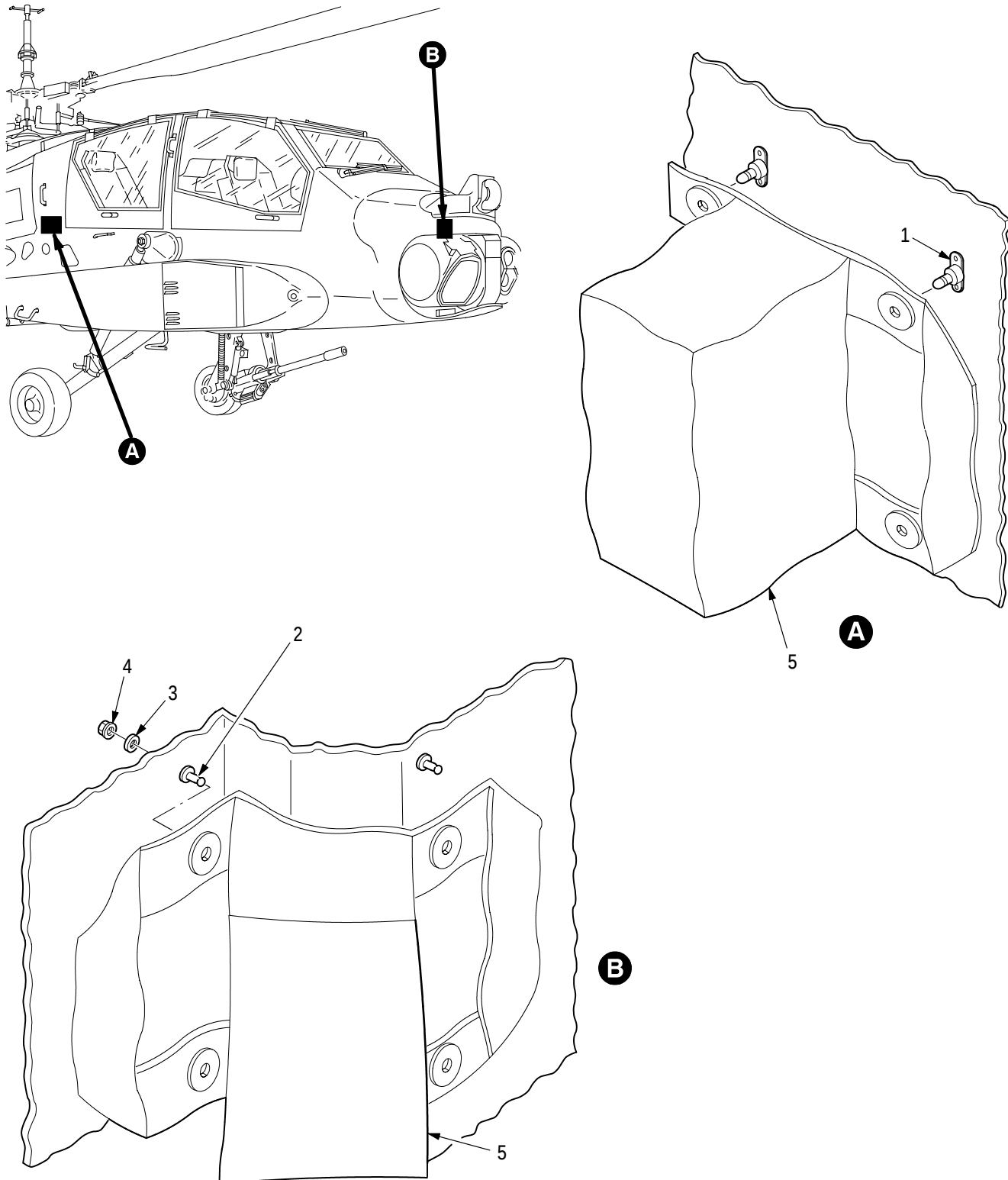




M09-909A

Figure 712. Group 17 Portable Fire Extinguisher Installation  
7-211180002

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 17 Emergency Equipment<br>Fig. 712 Portable Fire Extinguisher Installation<br>7-211180002 |            |
| 1                  | XDOZZ              | 8V613       | 7-111150003        | • Clip, Fire Extinguis .....                                                                    | 1          |
| 2                  | PAOZZ              | 80205       | NAS1404-6          | • Screw, Machine .....                                                                          | 4          |
| 3                  | PAOZZ              | 88044       | AN960PD416L        | • Washer, Flat .....                                                                            | 4          |
| 4                  | PAOZZ              | 80205       | NAS43DD4-12FC      | • Spacer, Sleeve .....                                                                          | 1          |
| 5                  | PAOZZ              | 06535       | M-133-01           | • Extinguisher, Fire .....                                                                      | 1          |
|                    |                    |             |                    | END OF FIGURE                                                                                   |            |



M09-910E

Figure 713. Group 17 First Aid Kit Installation (FWD and AFT Cockpits)  
7-311180001

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 17 Emergency Equipment<br>Fig. 713 First Aid Kit Installation<br>(FWD and AFT Cockpits)<br>7-311180001 |            |
| 1                  | PAOZZ              | 80020       | 49955-22L          | • Stud, Snap Fastener .....                                                                                  | 4          |
| 2                  | PAOZZ              | 96906       | MS27977-29B        | • Stud, Snap Fasten .....                                                                                    | 4          |
| 3                  | PAOZZ              | 88044       | AN960JD8           | • Washer, Flat .....                                                                                         | 4          |
| 4                  | PAOZZ              | 96906       | MS21042L08         | • Nut, Self-Locking, Ex .....                                                                                | 4          |
| 5                  | PAOZZ              | 64616       | IRR A-6882         | • First Aid Kit, Ai .....                                                                                    | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                              |            |





| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 60 Bulk Materials<br>Fig. Bulk                                          |            |
| 1                  | PAFZZ              | 81349       | MILC7637TYPE1      | • Asbestos Sheet, Wove 40 In. Wide, 0.062 Thk. Any<br>Acceptable Length ..... | V          |
| 2                  | PAOZZ              | 81348       | QQA225-6           | • Bar, Metal T4, 0.1875 Thk., 0.500 Wide .....                                | V          |
| 3                  | PAOZZ              | 02731       | HS1089-3-6200      | • Bar, Metal, Extru .....                                                     | V          |
| 4                  | PAOZZ              | 02731       | HS1089-3A25600     | • Bar, Metal, Extru .....                                                     | V          |
| 5                  | PAOZZ              | 02731       | HS4863-1           | • Cable, Electrical .....                                                     | V          |
| 6                  | PAOZZ              | 02731       | HS5313A3001        | • Cable, Power, Electri .....                                                 | V          |
| 7                  | PAOZZ              | 02731       | HS5313A3002        | • Cable, Power, Electri .....                                                 | V          |
| 8                  | PAOZZ              | 02731       | HS5313A3003        | • Cable, Power, Electri .....                                                 | V          |
| 9                  | PAOZZ              | 02731       | HS5313A4001        | • Cable, Power, Electri .....                                                 | V          |
| 10                 | PAOZZ              | 02731       | HS5313A4002        | • Cable, Power, Electri .....                                                 | V          |
| 11                 | PAOZZ              | 81349       | M27500-14MW2U00    | • Cable, Power, Electri .....                                                 | V          |
| 12                 | PAOZZ              | 81349       | M27500-16W2U00     | • Cable, Power, Electri .....                                                 | V          |
| 13                 | PAOZZ              | 81349       | M27500-16MW4U00    | • Cable, Power, Electri .....                                                 | V          |
| 14                 | PAOZZ              | 81349       | M27500-18MW2U00    | • Cable, Power, Electri .....                                                 | V          |
| 15                 | PAOZZ              | 84147       | FHJ1-50            | • Cable, Radio Frequen .....                                                  | 1          |
| 16                 | PAOZZ              | 81349       | M17/113-RG316      | • Cable, Radio Frequen .....                                                  | V          |
| 17                 | PAOZZ              | 07145       | RD-316             | • Cable, Radio Frequen .....                                                  | V          |
| 18                 | PAOZZ              | 06090       | MK-0015-69         | • Cable, Segment, Assor Part of Kit P/N MK-0015-1 .....                       | V          |
| 19                 | PAOZZ              | 06090       | MK-0015-78         | • Cable, Segment, Assor Part of Kit P/N MK-0015-1 .....                       | V          |
| 20                 | PAOZZ              | 06090       | MK-0015-79         | • Cable, Shield, Assort Part of Kit P/N MK-0015-1 .....                       | V          |
| 21                 | PAOZZ              | 81349       | M27500-20MR2G11    | • Cable, Special Purpo .....                                                  | V          |
| 22                 | PAOZZ              | 81349       | M27500-20MW3U00    | • Cable, Special Purpo .....                                                  | V          |
| 23                 | PAOZZ              | 81349       | M27500-20MW4U00    | • Cable, Special Purpo .....                                                  | V          |
| 24                 | PAFZZ              | 81349       | M27500-20SB2U00    | • Cable, Special Purpo .....                                                  | V          |
| 25                 | PAOZZ              | 81349       | M27500-22MR1G11    | • Cable, Special Purpo .....                                                  | V          |
| 26                 | PAOZZ              | 81349       | M27500-22MR2G11    | • Cable, Special Purpo .....                                                  | V          |
| 27                 | PAOZZ              | 81349       | M27500-22MR3G11    | • Cable, Special Purpo .....                                                  | V          |
| 28                 | PAOZZ              | 81349       | M27500-22MW2U00    | • Cable, Special Purpo .....                                                  | V          |
| 29                 | PAOZZ              | 81349       | M27500-22MW3U00    | • Cable, Special Purpo .....                                                  | V          |
| 30                 | PAOZZ              | 81349       | M27500-22MW4U00    | • Cable, Special Purpo .....                                                  | V          |
| 31                 | PAOZZ              | 81349       | M27500-24MT1G11    | • Cable, Special Purpo .....                                                  | V          |
| 32                 | PAOZZ              | 81349       | M27500-24MT2G11    | • Cable, Special Purpo .....                                                  | V          |
| 33                 | PAOZZ              | 81349       | M27500-24MT3G11    | • Cable, Special Purpo .....                                                  | V          |
| 34                 | PAOZZ              | 81349       | M27500-24MT4G11    | • Cable, Special Purpo .....                                                  | V          |
| 35                 | PAOZZ              | 81349       | M27500-24NA2U00    | • Cable, Special Purpo .....                                                  | V          |
| 36                 | PAOZZ              | 81349       | M27500-24NA3U00    | • Cable, Special Purpo .....                                                  | V          |
| 37                 | PAOZZ              | 81349       | M27500-24NA4U000   | • Cable, Special Purpo .....                                                  | V          |
| 38                 | PAOZZ              | 81349       | M27500-24NA5U00    | • Cable, Special Purpo .....                                                  | V          |
| 39                 | PAOZZ              | 86360       | 10595              | • Cable, Special Purpo .....                                                  | V          |
| 40                 | PAOZZ              | 06090       | TC4003             | • Cap .....                                                                   | V          |
| 41                 | PAOZZ              | 06090       | MK-0015-38         | • Chart, Content, Kit Part of Kit P/N MK-0015-1 .....                         | 1          |
| 42                 | PAOZZ              | 06090       | CONVOLEX-1/2       | • Conduit, Nonmetallic .....                                                  | V          |
| 43                 | PAOZZ              | 02731       | HS5239-1110        | • Connector, Plug, Elec .....                                                 | REF        |
| 44                 | PAOZZ              | 02731       | HS5239-1120        | • Connector, Plug, Elec .....                                                 | V          |
| 45                 | PAOZZ              | 02731       | HS5239-1210        | • Connector, Plug, Elec .....                                                 | REF        |
| 46                 | PAOZZ              | 02731       | HS5239-1212        | • Connector, Plug, Elec .....                                                 | REF        |
| 47                 | PAOZZ              | 02731       | HS5239-1220        | • Connector, Plug, Elec .....                                                 | V          |
| 48                 | PAOZZ              | 02731       | HS5239-1222        | • Connector, Plug, Elec .....                                                 | REF        |
| 49                 | PAOZZ              | 02731       | HS5239-1223        | • Connector, Plug, Elec .....                                                 | V          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------|------------|
| 50                 | PAOZZ              | 02731       | HS5239-1321        | • Connector, Plug, Elec . . . . .                                                            | V          |
| 51                 | PAOZZ              | 02731       | HS5239-1610        | • Connector, Plug, Elec . . . . .                                                            | V          |
| 52                 | PAOZZ              | 14798       | D10023D060404      | • Connector, Receptacl . . . . .                                                             | V          |
| 53                 | PAOZZ              | 14798       | D10023D101006      | • Connector, Receptacl . . . . .                                                             | V          |
| 54                 | PAOZZ              | 02731       | HS5239-2110        | • Connector, Receptacl . . . . .                                                             | REF        |
| 55                 | PAOZZ              | 02731       | HS5239-2112        | • Connector, Receptacl . . . . .                                                             | REF        |
| 56                 | PAOZZ              | 02731       | HS5239-2120        | • Connector, Receptacl . . . . .                                                             | V          |
| 57                 | PAOZZ              | 02731       | HS5239-2122        | • Connector, Receptacl . . . . .                                                             | V          |
| 58                 | PAOZZ              | 02731       | HS5239-2123        | • Connector, Receptacl . . . . .                                                             | V          |
| 59                 | PAOZZ              | 02731       | HS5239-2210        | • Connector, Receptacl . . . . .                                                             | REF        |
| 60                 | PAOZZ              | 02731       | HS5239-2212        | • Connector, Receptacl . . . . .                                                             | REF        |
| 61                 | PAOZZ              | 02731       | HS5239-2220        | • Connector, Receptacl . . . . .                                                             | V          |
| 62                 | PAOZZ              | 02731       | HS5239-2510        | • Connector, Receptacl . . . . .                                                             | V          |
| 63                 | PAOZZ              | 02731       | HS5239-2610        | • Connector, Receptacl . . . . .                                                             | V          |
| 64                 | PAOZZ              | 06090       | MTCR-101-04S-002   | • Connector, Receptacl . . . . .                                                             | V          |
| 65                 | PAOZZ              | 06090       | MK-0015-68         | • Contact, Elect, Assor Part of Kit P/N MK-0015-1 . . . . .                                  | V          |
| 66                 | PAOZZ              | 06090       | MK-0015-81         | • Contact, Elect, Assor Part of Kit P/N MK-0015-1 . . . . .                                  | V          |
| 67                 | PAOZZ              | 06090       | MK-0015-82         | • Contact, Elect, Assor Part of Kit P/N MK-0015-1 . . . . .                                  | V          |
| 68                 | PAOZZ              | 06090       | MK-0015-83         | • Contact, Elect, Assor Part of Kit P/N MK-0015-1 . . . . .                                  | V          |
| 69                 | PAOZZ              | 81349       | M39029/4-113       | • Contact, Electrical . . . . .                                                              | V          |
| 70                 | PAOZZ              | 81349       | M39029/5-118       | • Contact, Electrical . . . . .                                                              | V          |
| 71                 | PAOZZ              | 81349       | M39029/73-396      | • Contact, Electrical . . . . .                                                              | V          |
| 72                 | PAOZZ              | 81349       | M39029/73-397      | • Contact, Electrical . . . . .                                                              | V          |
| 73                 | PAOZZ              | 81349       | M39029/73-398      | • Contact, Electrical . . . . .                                                              | V          |
| 74                 | PAOZZ              | 81349       | M39029/74-399      | • Contact, Electrical . . . . .                                                              | V          |
| 75                 | PAOZZ              | 81349       | M39029/74-401      | • Contact, Electrical . . . . .                                                              | V          |
| 76                 | PAOZZ              | 14798       | D10036-6           | • Coupling, Tube . . . . .                                                                   | V          |
| 77                 | PAOZZ              | 14798       | D10036D6           | • Coupling, Tube . . . . .                                                                   | V          |
| 78                 | PAOZZ              | 14798       | D10033-06040404    | • Cross, Tube . . . . .                                                                      | V          |
| 79                 | PAOZZ              | 14798       | D10021A-4          | • Elbow, Tube to Boss . . . . .                                                              | V          |
| 80                 | PAOZZ              | 14798       | D10021A-6          | • Elbow, Tube to Boss . . . . .                                                              | V          |
| 81                 | PAOZZ              | 14798       | D10021AD10         | • Elbow, Tube to Boss . . . . .                                                              | V          |
| 82                 | PAOZZ              | 14798       | D10021AD4          | • Elbow, Tube to Boss . . . . .                                                              | V          |
| 83                 | PAOZZ              | 14798       | D10021AD6          | • Elbow, Tube to Boss . . . . .                                                              | V          |
| 84                 | PAOZZ              | 81349       | MILF21840          | • Fastener Tape, Hook Ty. 2, Cl. 1, Black, 0.625 In. Wide . . .                              | V          |
| 85                 | PAOZZ              | 81349       | MILF21840          | • Fastener Tape, Hook Ty. 2, Cl. 1, Black, 1 In. Wide . . . . .                              | V          |
| 86                 | PAOZZ              | 81349       | MIL-F-21840        | • Fastener Tape, Pile Ty. 1, Cl. 1, Black, 1 In. Wide,<br>No Special Coating Req. . . . .    | V          |
| 87                 | PAOZZ              | 81349       | MIL-F-21840        | • Fastener Tape, Pile Ty. 2, Cl. 1, Black, 0.75 In. Wide,<br>No Special Coating Req. . . . . | V          |
| 88                 | PAOZZ              | 96906       | MS21266-1N         | • Grommet, Nonmetallic . . . . .                                                             | V          |
| 89                 | PAOZZ              | 96906       | MS21266-3N         | • Grommet, Nonmetallic . . . . .                                                             | V          |
| 90                 | PAOZZ              | 96906       | MS21266-4T         | • Grommet, Nonmetallic . . . . .                                                             | V          |
| 91                 | PAFZZ              | 96906       | MS20001P12-7200    | • Hinge, Butt . . . . .                                                                      | V          |
| 92                 | PAFZZ              | 96906       | MS20001P3-7200     | • Hinge, Butt . . . . .                                                                      | V          |
| 93                 | PAFZZ              | 96906       | MS20001P4-7200     | • Hinge, Butt . . . . .                                                                      | V          |
| 94                 | PAFZZ              | 96906       | MS20001P5-7200     | • Hinge, Butt . . . . .                                                                      | V          |
| 95                 | PAFZZ              | 96906       | MS20257C4-4800     | • Hinge, Butt . . . . .                                                                      | V          |
| 96                 | PAFZZ              | 96906       | MS20257P3-7200     | • Hinge, Butt . . . . .                                                                      | V          |
| 97                 | PAFZZ              | 96906       | MS20257P4-7200     | • Hinge, Butt . . . . .                                                                      | V          |
| 98                 | PAOZZ              | 96906       | MS20257P5-7200     | • Hinge, Butt . . . . .                                                                      | V          |
| 99                 | PAOZZ              | 96906       | MS35822-11A        | • Hinge, Butt . . . . .                                                                      | V          |

## SECTION II

TM 1-1520-238-23P

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------|------------|
| 100                | PAOZZ              | 96906       | MS35823-7A         | • Hinge, Butt . . . . .                                                                      | V          |
| 101                | PAOZZ              | 81343       | AMS3653            | • Insulation Sleeving . . . . .                                                              | V          |
| 102                | PAOZZ              | 81346       | ASTMD3295          | • Insulation Sleeving . . . . .                                                              | V          |
| 103                | PAOZZ              | 81349       | MIL-I-22129        | • Insulation Sleeving . . . . .                                                              | V          |
| 104                | PAOZZ              | 81349       | M23053/4-105-0     | • Insulation Sleeving . . . . .                                                              | V          |
| 105                | PAOZZ              | 81349       | M23053/5-102-C     | • Insulation Sleeving . . . . .                                                              | V          |
| 106                | PAOZZ              | 81349       | M23053/5-102-9     | • Insulation Sleeving . . . . .                                                              | V          |
| 107                | PAOZZ              | 81349       | M23053/5-107-0     | • Insulation Sleeving . . . . .                                                              | V          |
| 108                | PAOZZ              | 81349       | M23053/5-107-9     | • Insulation Sleeving . . . . .                                                              | V          |
| 109                | PAOZZ              | 81349       | M23053/5-202-C     | • Insulation Sleeving . . . . .                                                              | V          |
| 110                | PAOZZ              | 81349       | M23053/5-207-C     | • Insulation Sleeving . . . . .                                                              | V          |
| 111                | PAOZZ              | 81349       | M81786/10-1        | • Insulation Sleeving . . . . .                                                              | V          |
| 112                | PAOZZ              | 81349       | M81786/10-2        | • Insulation Sleeving . . . . .                                                              | V          |
| 113                | PAOZZ              | 81349       | M81786/10-4        | • Insulation Sleeving . . . . .                                                              | V          |
| 114                | PAOZZ              | 06090       | TMS 3/32-1.75      | • Insulation Sleeving . . . . .                                                              | V          |
| 115                | PAOZZ              | 06090       | TMS-1/2-1.50       | • Insulation Sleeving White (U/I Contains 1000 Ea) . . . . .                                 | V          |
| 116                | PAOZZ              | 10138       | 14392-003BLACK     | • Insulation Sleeving . . . . .                                                              | V          |
| 117                | PAOZZ              | 06090       | MK-0015-1          | • Kit, Wire Repair . . . . .                                                                 | V          |
| 118                | PAOZZ              | 06090       | TMS-WM             | • Label . . . . .                                                                            | V          |
| 119                | PAFZZ              | 96906       | MS20001PH4-7200    | • Leaf, Butt Hinge . . . . .                                                                 | V          |
| 120                | PAFZZ              | 96906       | MS20001PH5-7200    | • Leaf, Butt Hinge . . . . .                                                                 | V          |
| 121                | PAFZZ              | 96906       | MS20257HP2-7200    | • Leaf, Butt Hinge . . . . .                                                                 | V          |
| 122                | PAFZZ              | 96906       | MS20257HP3-7200    | • Leaf, Butt Hinge . . . . .                                                                 | V          |
| 123                | PAFZZ              | 96906       | MS20257HP4-7200    | • Leaf, Butt Hinge . . . . .                                                                 | V          |
| 124                | PAOZZ              | 96906       | MS20257HP5-7200    | • Leaf, Butt Hinge . . . . .                                                                 | V          |
| 125                | PAOZZ              | 02731       | HS4027-14400       | • Nonmetallic Special . . . . .                                                              | V          |
| 126                | PAOZZ              | 77969       | 314                | • Nonmetallic Special . . . . .                                                              | V          |
| 127                | PAOZZ              | 14798       | D10006-6           | • Nut, Plain, Hexagon . . . . .                                                              | V          |
| 128                | PAOZZ              | 14798       | D10006D4           | • Nut, Plain, Hexagon . . . . .                                                              | V          |
| 129                | PAOZZ              | 14798       | D10006-4           | • Nut, Tube Coupling . . . . .                                                               | V          |
| 130                | PAOZZ              | 14798       | D10006D6           | • Nut, Tube Coupling . . . . .                                                               | V          |
| 131                | PAFZZ              | 96906       | MS20253-2-820      | • Pin, Straight, Headle . . . . .                                                            | V          |
| 132                | PAOZZ              | 06090       | MK-0015-80         | • Plug and Contact As Part of Kit P/N MK-0015-1 . . . . .                                    | V          |
| 133                | PAOZZ              | 14798       | D10041D0810        | • Reducer, Tube . . . . .                                                                    | V          |
| 134                | PAFZZ              | 96906       | MS20253P2-6000     | • Rod, Straight, Headle . . . . .                                                            | V          |
| 135                | PAFZZ              | 96906       | MS20253P5-9600     | • Rod, Straight, Headle . . . . .                                                            | V          |
| 136                | PAOZZ              | 81349       | MILR17343          | • Rope, Fibrous Circumference 1 In., Color Natural . . . . .                                 | V          |
| 137                | PAFZZ              | 81349       | MIL-W-83420        | • Rope, Wire Ty. 1, Comp. B, A1 3 X 7 Strand, 100 Ft. Long                                   | V          |
| 138                | PAOZZ              | 81343       | AMS3195            | • Rubber Sheet, Cellul 0.125 Thk., 36 X 36 In. Sheet . . . . .                               | V          |
| 139                | PAOZZ              | 81343       | AMS3197            | • Rubber Sheet, Cellul 0.125 Thk., 36 X 36 In. Sheet . . . . .                               | V          |
| 140                | PAOZZ              | 81343       | AMS3197            | • Rubber Sheet, Cellul 0.250 Thk., 36 X 36 In. Sheet . . . . .                               | V          |
| 141                | PAFZZ              | 81343       | AMS3198            | • Rubber Sheet, Cellul 0.375 Thk., 36 X 36 In. Sheet . . . . .                               | V          |
| 142                | PAOZZ              | 81349       | MIL-R-46089        | • Rubber Sheet, Cellul Gr. F, 1/8 X 24 X 24 In. Sheet . . . . .                              | V          |
| 143                | PAOZZ              | 81349       | MIL-R-6130         | • Rubber Sheet, Cellul Ty. 1, Gr. A, Cond. Medium, 0.50<br>Thk., 36 X 36 In. Sheet . . . . . | V          |
| 144                | PAOZZ              | 02731       | HS4070-A-4000      | • Rubber Sheet, Extru . . . . .                                                              | V          |
| 145                | PAOZZ              | 02731       | HS4332-1B1200      | • Rubber Sheet, Extru . . . . .                                                              | V          |
| 146                | PAOZZ              | 02731       | HS4332-2B9015      | • Rubber Sheet, Extru . . . . .                                                              | V          |
| 147                | PAOZZ              | 02731       | HS4339-1600        | • Rubber Sheet, Extru . . . . .                                                              | V          |
| 148                | PAFZZ              | 02731       | HS4340A-23800      | • Rubber Sheet, Extru . . . . .                                                              | V          |
| 149                | PAOZZ              | 02731       | HS4774-A-0816      | • Rubber Sheet, Extru . . . . .                                                              | V          |
| 150                | PAOZZ              | 81343       | AMS3209            | • Rubber Sheet, Solid 0.062 Thk., 36 X 36 In. Sheet . . . . .                                | V          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------|------------|
| 151                | PAFZZ              | 81343       | AMS32401-32        | • Rubber Sheet, Solid 0.031 Thk., 24 X 24 In. Sheet . . . . .                           | V          |
| 152                | PAFZZ              | 71643       | COHRLASTIC 500     | • Rubber Sheet, Solid ZZ-R-765, Cl. 2B, Gr. 50, 0.062 Thk., 24 X 24 In. Sheet . . . . . | V          |
| 153                | PAOZZ              | 81349       | MIL-R-25988        | • Rubber Sheet, Solid Ty. 11, Cl. 1, Gr. 60, 0.031 Thk., 36 X 36 In. Sheet . . . . .    | V          |
| 154                | PAOZZ              | 81349       | MIL-R-6855         | • Rubber Sheet, Solid Cl. 1, Gr. 40, 0.062 Thk., 36 X 36 In. Sheet . . . . .            | V          |
| 155                | PAOZZ              | 81348       | ZZ-R-765           | • Rubber Sheet, Solid Cl. 1B, Gr. 40, 0.062 Thk., 36 X 36 In. Sheet . . . . .           | V          |
| 156                | PAOZZ              | 81348       | ZZR765             | • Rubber Sheet, Solid Cl. 2B, Gr. 40, 0.250 Thk., 36 X 36 In. Sheet . . . . .           | V          |
| 157                | PAOZZ              | 71643       | COHRLASTIC 500     | • Rubber Strip 0.031 X 0.75 X 100 In. . . . .                                           | 1          |
| 158                | PAOZZ              | 02731       | HS5281-01-0902     | • Rubber Strip, Extruded . . . . .                                                      | V          |
| 159                | PAOZZ              | 02731       | HS5318-4000        | • Rubber Strip, Extruded . . . . .                                                      | V          |
| 160                | PAOZZ              | 81348       | QQA250-11          | • Sheet, Metal T0, 0.040 Thk. . . . .                                                   | V          |
| 161                | PAOZZ              | 81348       | QQA250-11          | • Sheet, Metal T4, 0.040 Thk. . . . .                                                   | V          |
| 162                | PAOZZ              | 81348       | QQA250-11          | • Sheet, Metal T6, 0.032 Thk. . . . .                                                   | V          |
| 163                | PAOZZ              | 81348       | QQA250-11          | • Sheet, Metal T6, 0.040 Thk., 36 X 72 In. Sheet . . . . .                              | V          |
| 164                | PAFZZ              | 81348       | QQA250-12          | • Sheet, Metal T6, 0.080 Thk., 12 X 4 In. Sheet . . . . .                               | V          |
| 165                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T0, 0.040 Thk. . . . .                                                   | V          |
| 166                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T0, 0.050 Thk. . . . .                                                   | V          |
| 167                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T0, 0.063 Thk. . . . .                                                   | V          |
| 168                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal T0, 0.080 Thk. . . . .                                                   | V          |
| 169                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.016 Thk. . . . .                                                   | V          |
| 170                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.025 Thk. . . . .                                                   | V          |
| 171                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.032 Thk. . . . .                                                   | V          |
| 172                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.040 Thk. . . . .                                                   | V          |
| 173                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.050 Thk. . . . .                                                   | V          |
| 174                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.060 Thk. . . . .                                                   | V          |
| 175                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.063 Thk. . . . .                                                   | V          |
| 176                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.071 Thk. . . . .                                                   | V          |
| 177                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.100 Thk. . . . .                                                   | V          |
| 178                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.125 Thk. . . . .                                                   | V          |
| 179                | PAOZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.140 Thk. . . . .                                                   | V          |
| 180                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.190 Thk. . . . .                                                   | V          |
| 181                | PAFZZ              | 81348       | QQA250-4           | • Sheet, Metal T3, 0.200 Thk. . . . .                                                   | V          |
| 182                | PAFZZ              | 81348       | QQA250-5           | • Sheet, Metal T0, 0.040 Thk. . . . .                                                   | V          |
| 183                | PAFZZ              | 81348       | QQA250-5           | • Sheet, Metal T0, 0.050 Thk. . . . .                                                   | V          |
| 184                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.016 Thk. . . . .                                                   | V          |
| 185                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.020 Thk. . . . .                                                   | V          |
| 186                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.025 Thk. . . . .                                                   | V          |
| 187                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.032 Thk. . . . .                                                   | V          |
| 188                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.040 Thk. . . . .                                                   | V          |
| 189                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.050 Thk. . . . .                                                   | V          |
| 190                | PAFZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.063 Thk. . . . .                                                   | V          |
| 191                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T3, 0.071 Thk. . . . .                                                   | V          |
| 192                | PAOZZ              | 81348       | QQA250-5           | • Sheet, Metal T4, 0.050 Thk. . . . .                                                   | V          |
| 193                | PAFZZ              | 81348       | QQA250-8           | • Sheet, Metal Temper H32, 0.050 Thk., 24 X 36 In. Sheet . . . . .                      | V          |
| 194                | PAFZZ              | 81349       | MIL-S-22499        | • Shim Stock, Laminate Comp. 1, Ty. 1, Cl. 1, 0.062 Thk., 24 X 48 In. Sheet . . . . .   | V          |
| 195                | PAOZZ              | 81349       | MILS22499          | • Shim Stock, Laminate Comp. 1, Ty. 1, Cl. 2, 0.048 Thk., 24 X 48 In. Sheet . . . . .   | V          |
| 196                | PAOZZ              | 14798       | D10007-4           | • Sleeve, Clinch, Tube . . . . .                                                        | V          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------|------------|
| 197                | PAOZZ              | 14798       | D10007-6           | • Sleeve, Clinch, Tube .....                           | V          |
| 198                | PAOZZ              | 14798       | D10007D4           | • Sleeve, Clinch, Tube .....                           | V          |
| 199                | PAOZZ              | 14798       | D10007D6           | • Sleeve, Clinch, Tube .....                           | V          |
| 200                | PAOZZ              | 06090       | MK-0015-72         | • Splice, Coax Assortm Part of Kit P/N MK-0015-1 ..... | V          |
| 201                | PAOZZ              | 06090       | MK-0015-53         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 202                | PAOZZ              | 06090       | MK-0015-54         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 203                | PAOZZ              | 06090       | MK-0015-56         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 204                | PAOZZ              | 06090       | MK-0015-57         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 205                | PAOZZ              | 06090       | MK-0015-58         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 206                | PAOZZ              | 06090       | MK-0015-60         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 207                | PAOZZ              | 06090       | MK-0015-61         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 208                | PAOZZ              | 06090       | MK-0015-62         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 209                | PAOZZ              | 06090       | MK-0015-65         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 210                | PAOZZ              | 06090       | MK-0015-66         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 211                | PAOZZ              | 06090       | MK-0015-71         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 212                | PAOZZ              | 06090       | MK-0015-73         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 213                | PAOZZ              | 06090       | MK-0015-75         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 214                | PAOZZ              | 06090       | MK-0015-76         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 215                | PAOZZ              | 06090       | MK-0015-77         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 216                | PAOZZ              | 06090       | MK-0015-84         | • Splice, Conductor As Part of Kit P/N MK-0015-1 ..... | V          |
| 217                | PAOZZ              | 96906       | MS3367-1-0         | • Strap, Tiedown, Elect .....                          | V          |
| 218                | PAOZZ              | 96906       | MS3367-2-0         | • Strap, Tiedown, Elect .....                          | V          |
| 219                | PAOZZ              | 96906       | MS3367-3-0         | • Strap, Tiedown, Elect .....                          | V          |
| 220                | PAOZZ              | 96906       | MS3367-5-0         | • Strap, Tiedown, Elect .....                          | V          |
| 221                | PAOZZ              | 96906       | MS3367-7-0         | • Strap, Tiedown, Elect .....                          | V          |
| 222                | PAOZZ              | 14798       | D10023-060404      | • Tee, Tube .....                                      | V          |
| 223                | PAOZZ              | 14798       | D10023-060604      | • Tee, Tube .....                                      | V          |
| 224                | PAOZZ              | 14798       | D10023D060604      | • Tee, Tube .....                                      | V          |
| 225                | PAOZZ              | 14798       | D9855-4            | • Tee, Tube .....                                      | V          |
| 226                | PAOZZ              | 14798       | D9855-6            | • Tee, Tube .....                                      | V          |
| 227                | PAOZZ              | 14798       | D9855D6            | • Tee, Tube .....                                      | V          |
| 228                | PAOZZ              | 06090       | MK-0015-70         | • Terminal Board Part of Kit P/N MK-0015-1 .....       | V          |
| 229                | PAOZZ              | 06090       | MK-0015-50         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 230                | PAOZZ              | 06090       | MK-0015-51         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 231                | PAOZZ              | 06090       | MK-0015-55         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 232                | PAOZZ              | 06090       | MK-0015-59         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 233                | PAOZZ              | 06090       | MK-0015-63         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 234                | PAOZZ              | 06090       | MK-0015-67         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 235                | PAOZZ              | 06090       | MK-0015-85         | • Terminal Lug Assort Part of Kit P/N MK-0015-1 .....  | V          |
| 236                | PAOZZ              | 81349       | MIL-T-6845         | • Tube, Metallic 0.020 Thk., 0.25 Dia. ....            | V          |
| 237                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.028 Thk., 0.250 OD .....        | V          |
| 238                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.028 Thk., 0.375 Dia. ....       | V          |
| 239                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.028 Thk., 0.500 OD .....        | V          |
| 240                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.028 Thk., 0.750 OD .....        | V          |
| 241                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.035 Thk., 0.250 OD .....        | V          |
| 242                | PAOZZ              | 81349       | MIL-T-7081         | • Tube, Metallic T6, 0.035 Thk., 0.625 Dia. ....       | V          |
| 243                | PAOZZ              | 81349       | MILT8606           | • Tube, Metallic Ty. 321, 0.020 Thk., 0.250 OD .....   | V          |
| 244                | PAOZZ              | 81348       | WW-T-700-6         | • Tube, Metallic T6, Ty. 1, 0.028 Thk., 0.500 OD ..... | V          |
| 245                | PAOZZ              | 81348       | WW-T-700/4         | • Tube, Metallic To, Ty. 1, 0.020 Thk., 0.250 OD ..... | V          |
| 246                | PAOZZ              | 81348       | WW-T-700/4         | • Tube, Metallic To, Ty. 1, 0.028 Thk., 0.500 OD ..... | V          |
| 247                | PAOZZ              | 81348       | WW-T-700/6         | • Tube, Metallic T6, Ty. 1, 0.028 Thk., 0.250 OD ..... | V          |
| 248                | PAOZZ              | 81348       | WW-T-700/6         | • Tube, Metallic T6, Ty. 1, 0.028 Thk., 0.375 OD ..... | V          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------|------------|
| 249                | PAOZZ              | 06090       | C0NV0LEX9-32       | • Tubing, Nonmetallic Size 9/32, Black, 200 Ft. Spool . . . . .                                | V          |
| 250                | PAOZZ              | 83616       | HD1-10922          | • Tubing, Nonmetallic Type T, 0.250 OD, 0.190 ID, 1.25 Min.<br>Bend Radius . . . . .           | V          |
| 251                | PAOZZ              | 83616       | HD1-11228          | • Tubing, Nonmetallic Type T, 0.375 OD, 0.295 ID, 3.00 Min.<br>Bend Radius . . . . .           | V          |
| 252                | PAOZZ              | 14798       | D10008-4           | • Union, Tube . . . . .                                                                        | V          |
| 253                | PAOZZ              | 14798       | D10008D6           | • Union, Tube . . . . .                                                                        | V          |
| 254                | PAOZZ              | 14798       | D10019-6           | • Union, Tube . . . . .                                                                        | V          |
| 255                | PAOZZ              | 14798       | D10019D10          | • Union, Tube . . . . .                                                                        | V          |
| 256                | PAOZZ              | 14798       | D10019D4           | • Union, Tube . . . . .                                                                        | V          |
| 257                | PAOZZ              | 14798       | D10036-4           | • Union, Tube . . . . .                                                                        | V          |
| 258                | PAOZZ              | 81349       | MIL-W-16878/4      | • Wire, Electrical 22 AWG, 19 Strand, Copper Conductor,<br>Color White/Orange Tracer . . . . . | V          |
| 259                | PAOZZ              | 81349       | M16878/4BCB901     | • Wire, Electrical . . . . .                                                                   | V          |
| 260                | PAOZZ              | 81349       | M16878/4BCB902     | • Wire, Electrical . . . . .                                                                   | V          |
| 261                | PAOZZ              | 81349       | M16878/4BCB903     | • Wire, Electrical . . . . .                                                                   | V          |
| 262                | PAOZZ              | 81349       | M16878/4BCB905     | • Wire, Electrical . . . . .                                                                   | V          |
| 263                | PAOZZ              | 81349       | M16878/4BCB906     | • Wire, Electrical . . . . .                                                                   | V          |
| 264                | PAOZZ              | 81349       | M16878/4BCB907     | • Wire, Electrical . . . . .                                                                   | V          |
| 265                | PAOZZ              | 81349       | M16878/4BCB912     | • Wire, Electrical . . . . .                                                                   | V          |
| 266                | PAOZZ              | 81349       | M16878/4BCB915     | • Wire, Electrical . . . . .                                                                   | V          |
| 267                | PAOZZ              | 81349       | M16878/4BCB916     | • Wire, Electrical . . . . .                                                                   | V          |
| 268                | PAOZZ              | 81349       | M16878/4BCB917     | • Wire, Electrical . . . . .                                                                   | V          |
| 269                | PAOZZ              | 81349       | M16878/4BCB923     | • Wire, Electrical . . . . .                                                                   | V          |
| 270                | PAOZZ              | 81349       | M16878/4BCB926     | • Wire, Electrical . . . . .                                                                   | V          |
| 271                | PAOZZ              | 81349       | M16878/4BDB2       | • Wire, Electrical . . . . .                                                                   | V          |
| 272                | PAOZZ              | 81349       | M16878/4BDB92      | • Wire, Electrical . . . . .                                                                   | V          |
| 273                | PAFZZ              | 81349       | M16878/4BFE91      | • Wire, Electrical 22 AWG, 19 Strand, Copper Conductor,<br>Color White/Brown . . . . .         | V          |
| 274                | PAOZZ              | 81349       | M16878/4BFE92      | • Wire, Electrical 22 AWG, 19 Strand, Copper Conductor,<br>Color White/Red Tracer . . . . .    | V          |
| 275                | PAOZZ              | 81349       | M16878/4BFE94      | • Wire, Electrical 22 AWG, 19 Strand, Copper Conductor,<br>Color White/Yellow Tracer . . . . . | V          |
| 276                | PAOZZ              | 81349       | M16878/4BFE95      | • Wire, Electrical 22 AWG, 19 Strand, Copper Conductor,<br>Color White/Green Tracer . . . . .  | V          |
| 277                | PAFZZ              | 81349       | M22759/32-20-9     | • Wire, Electrical . . . . .                                                                   | V          |
| 278                | PAFZZ              | 81349       | M22759/32-22-9     | • Wire, Electrical . . . . .                                                                   | V          |
| 279                | PAFZZ              | 81349       | M22759/33-24-9     | • Wire, Electrical . . . . .                                                                   | V          |
| 280                | PAOZZ              | 81349       | M81381/11-12-N     | • Wire, Electrical . . . . .                                                                   | V          |
| 281                | PAOZZ              | 81349       | M81381/11-14-N     | • Wire, Electrical . . . . .                                                                   | V          |
| 282                | PAOZZ              | 81349       | M81381/11-16-N     | • Wire, Electrical . . . . .                                                                   | V          |
| 283                | PAOZZ              | 81349       | M81381/11-18-N     | • Wire, Electrical . . . . .                                                                   | V          |
| 284                | PAOZZ              | 81349       | M81381/11-20-N     | • Wire, Electrical . . . . .                                                                   | V          |
| 285                | PAOZZ              | 81349       | M81381/11-22-N     | • Wire, Electrical . . . . .                                                                   | V          |
| 286                | PAOZZ              | 81349       | M81381/13-24-N     | • Wire, Electrical . . . . .                                                                   | V          |
| 287                | PAFZZ              | 81349       | M81381/9-24-0      | • Wire, Electrical . . . . .                                                                   | V          |
| 288                | PAOZZ              | 81348       | QQW343S16S2T       | • Wire, Electrical . . . . .                                                                   | V          |
| 289                | PAOZZ              | 81348       | QQW343S20S2T       | • Wire, Electrical . . . . .                                                                   | V          |
| 290                | PAOZZ              | 81348       | QQW343S22S2T       | • Wire, Electrical . . . . .                                                                   | V          |
| 291                | PAOZZ              | 81348       | QQW343S24S2T       | • Wire, Electrical . . . . .                                                                   | V          |
| 292                | PAOZZ              | 10138       | 10179-026          | • Wire, Electrical . . . . .                                                                   | V          |

## SECTION II

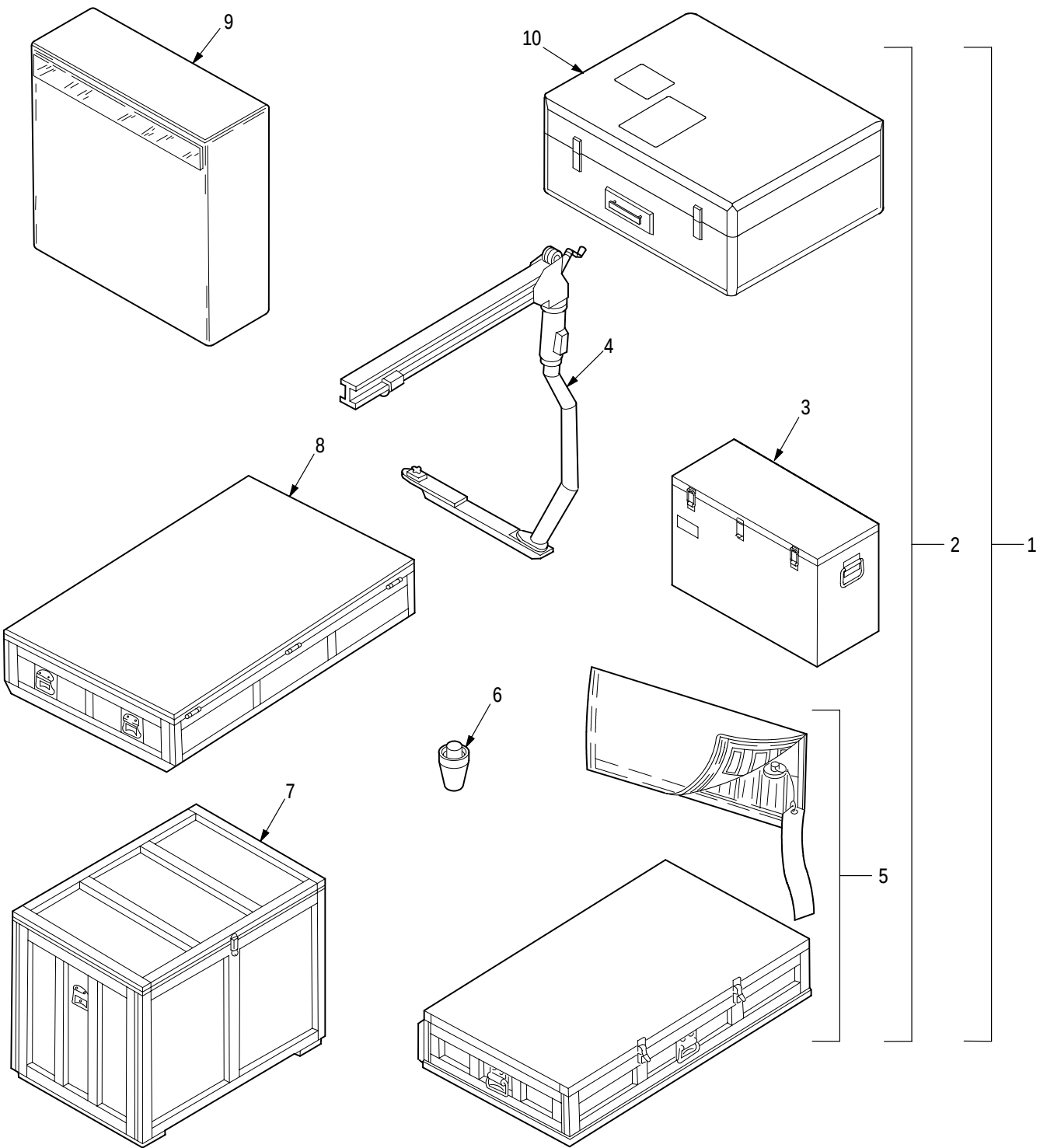
TM 1-1520-238-23P

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 293                | PAOZZ              | 10138       | 10179-626          | • Wire, Electrical .....                    | V          |
| 294                | PAOZZ              | 10138       | 10179-926          | • Wire, Electrical .....                    | V          |
| END OF FIGURE      |                    |             |                    |                                             |            |





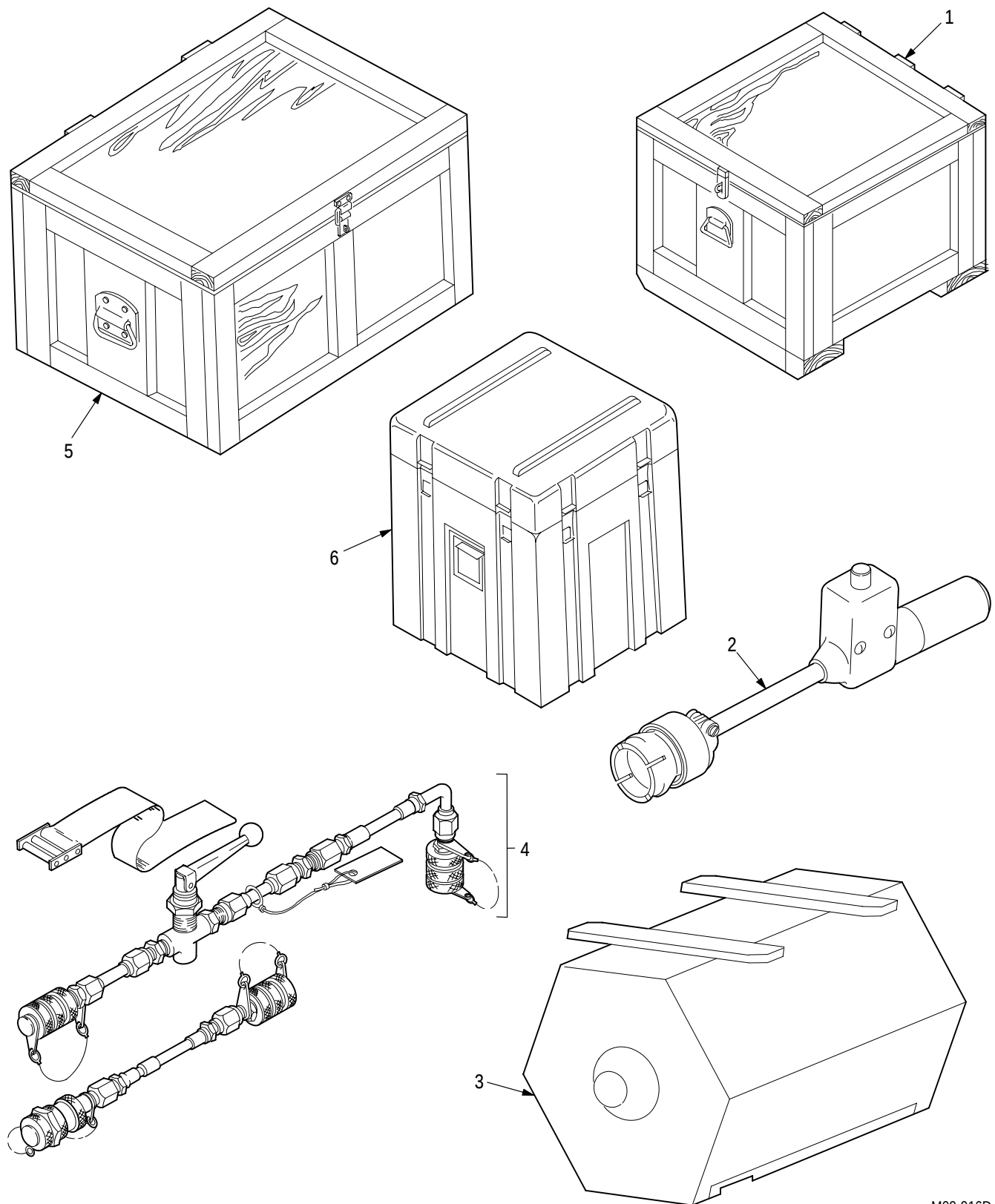
## SPECIAL TOOLS LIST



M09-915D

Figure 714. Group 80 Ground Support Kit (AVUM) (Part 1)

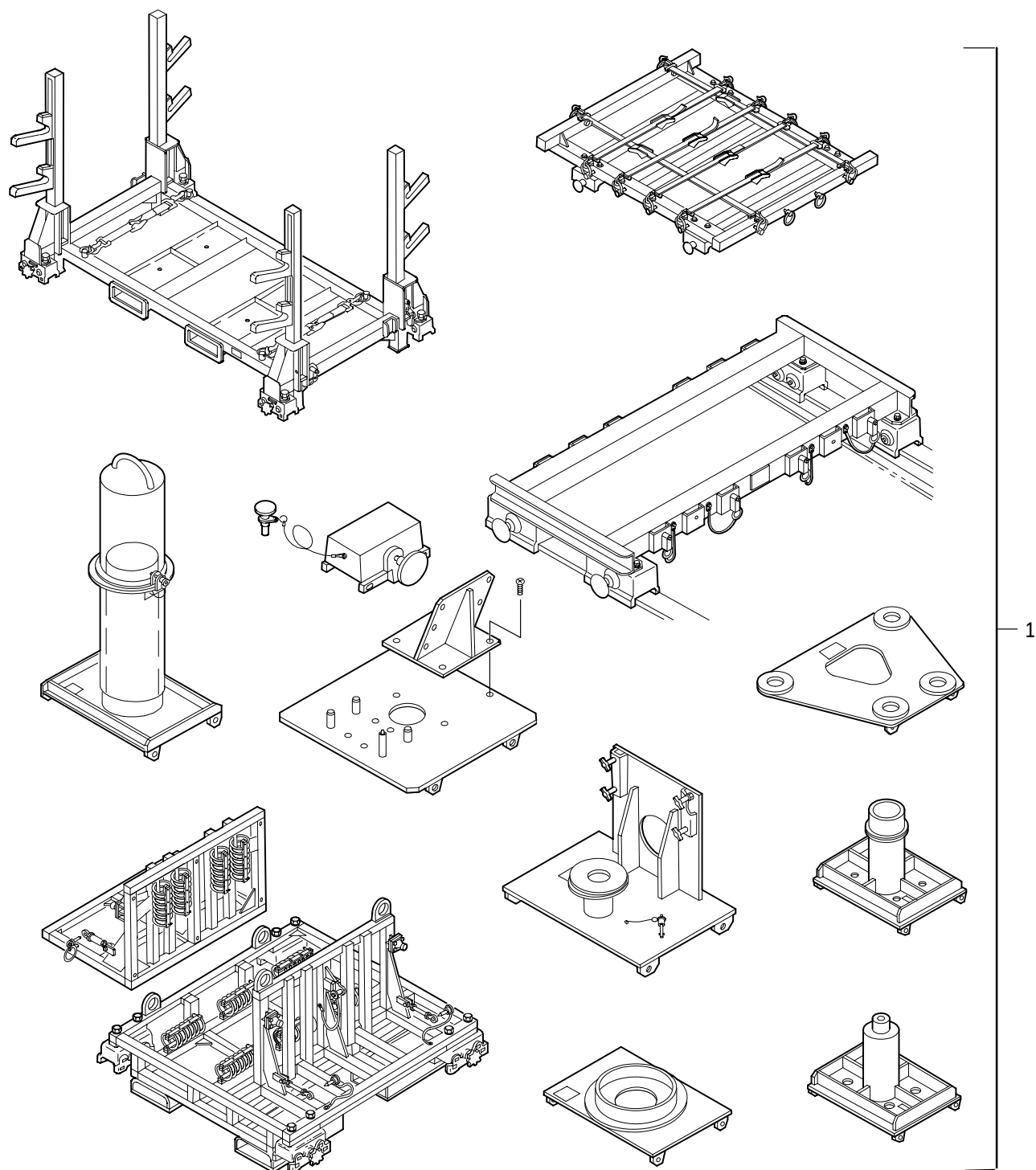
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                               | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 714 Ground Support Kit (AVUM) (Part 1)                                     |            |
| 1                  | XDOFF              | 8V613       | 7-262000000        | • Kit, Ground Support BOI: 1 Auth for 10-25 Ships .....                                                   | 1          |
| 2                  | XDOFF              | 8V613       | 7-262100000        | • • Kit, Ground Support BOI: 1 Auth for 10-25 Ships .....                                                 | 1          |
| 3                  | XDOOO              | 8V613       | 7-262100013-603    | • • • Tool Kit, Special<br>(See Figs. 718 and 719 for Breakdown) .....                                    | 1          |
| 4                  | PBOOO              | 8V613       | 120000-601         | • • • Crane, Aircraft Moun<br>(See Figs. 722 thru 725 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships ..... | 1          |
| 5                  | PBOFF              | 8V613       | 7-262100003-607    | • • • Rigging Kit, Aircraf<br>(See Figs. 727 thru 729 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships ..... | 1          |
| 6                  | PAOZZ              | 8V613       | 7-362110213        | • • • Plug, Expansion .....                                                                               | 1          |
| 7                  | PBOFF              | 8V613       | 7-262100005-607    | • • • Kit, Sling Set<br>(See Figs. 730 thru 735 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships .....       | 1          |
| 8                  | PBOOO              | 8V613       | 7-262100006-601    | • • • Transmission Kit, Re (See Fig. 736 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships .....              | 1          |
| 9                  | PAOFF              | 8V613       | 7-262100007        | • • • Kit, Lube Drain (See Fig. 738 for Breakdown)<br>BOI: 1 Auth for 1-50 Ships .....                    | 1          |
| 10                 | PEOOO              | 8V613       | 7-562126001-601    | • • • Kit, Generator Remov (See Fig. 780D for Breakdown)                                                  | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                           |            |



M09-916D

Figure 715. Group 80 Ground Support Kit (AVUM) (Part 2)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------|------------|
| 1                  | PBOFF              | 8V613       | 7-262100008-613    | Group 80 Special Tools<br>Fig. 715 Ground Support Kit (AVUM) (Part 2)                    |            |
| 2                  | PEOFF              | 8V613       | 7-262100009-601    | • Test Equipment, Heli<br>(See Figs. 739 and 740 for Breakdown)                          |            |
| 3                  | PBOFF              | 8V613       | 7-262100010        | BOI: 1 Auth for 10-25 Ships .....                                                        | 1          |
| 4                  | PBOOO              | 8V613       | 7-262100019-601    | • Cord Assembly, Elect (See Fig. 745 for Breakdown) .....                                | 1          |
| 5                  | PBOFF              | 8V613       | 7-262100016-601    | • Maintenance Platfor (See Fig. 746 for Breakdown) BOI: 1<br>Auth for 10-25 Ships .....  | 1          |
| 6                  | PEOOO              | 35151       | 64-001-1234        | • Kit, Hydraulic Hoses (See Fig. 747 for Breakdown) BOI: 1<br>Auth for 10-25 Ships ..... | 1          |
|                    |                    |             |                    | • Kit, Fuel Cell (See Fig. 748 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships .....       | 1          |
|                    |                    |             |                    | • Tool Kit, Aircraft M (See Fig. 755 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships ..... | 1          |
|                    |                    |             |                    | END OF FIGURE                                                                            |            |

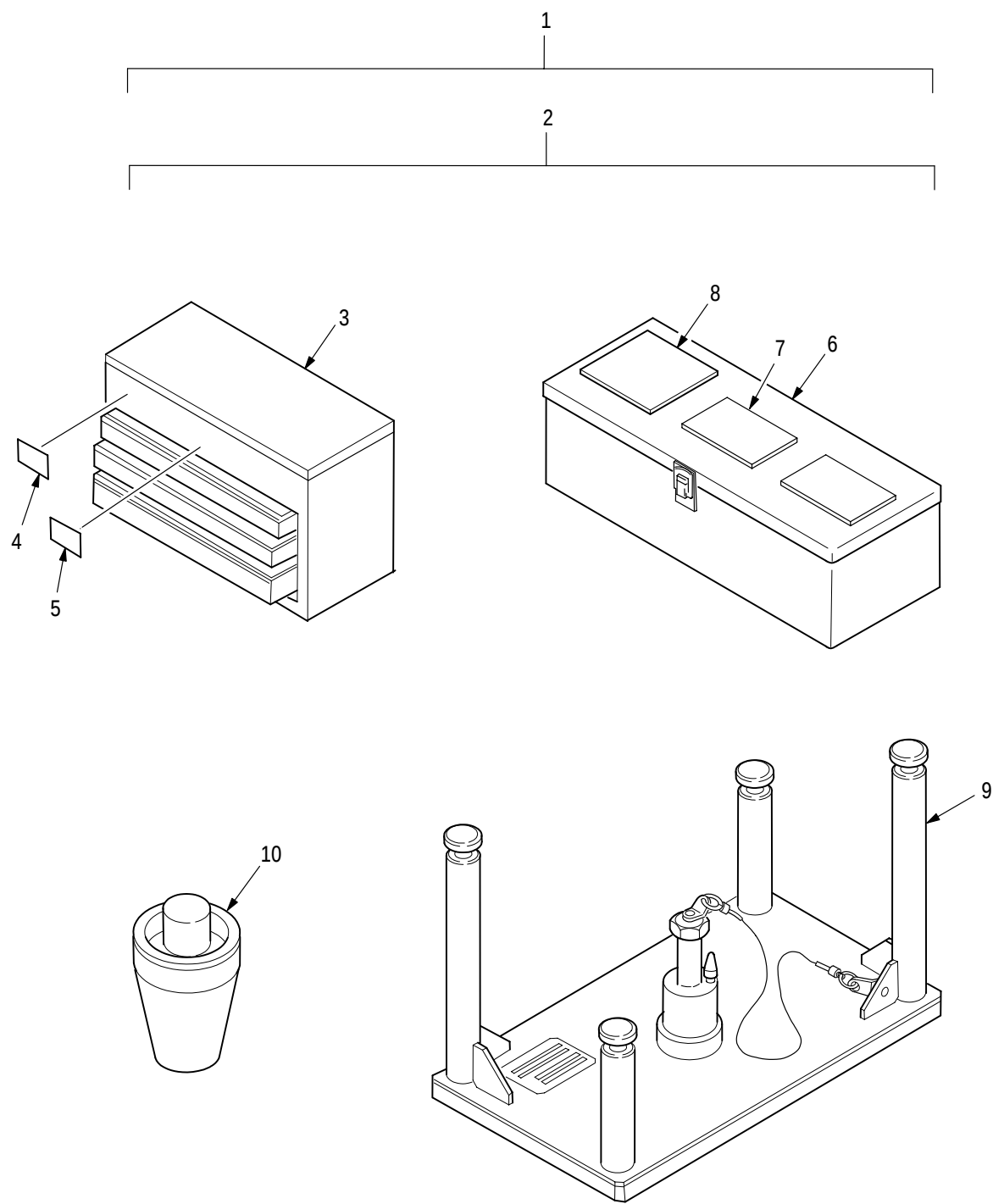


M09-917B

Figure 716. Group 80 Ground Support Kit (AVUM) (Part 3)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| 1                  | PBOOO              | 8V613       | 7-262100011-605    | Group 80 Special Tools<br>Fig. 716 Ground Support Kit (AVUM) (Part 3)<br>• Adapter Kit, Airfram<br>(See Figs. 751 thru 753 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships .....<br>END OF FIGURE | 1          |

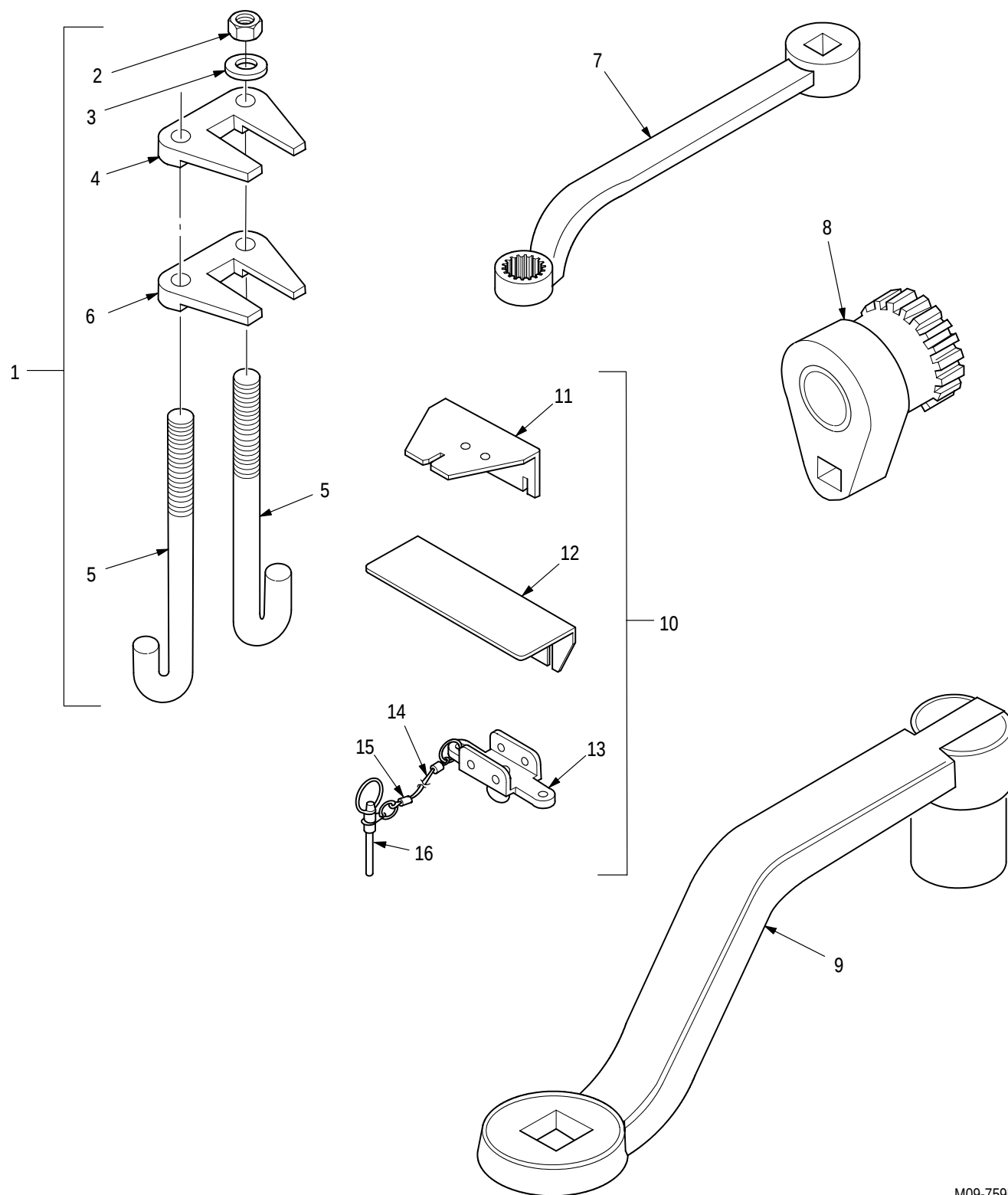




M09-1204C

Figure 717. Group 80 Airframe Special Equipment (AVIM)

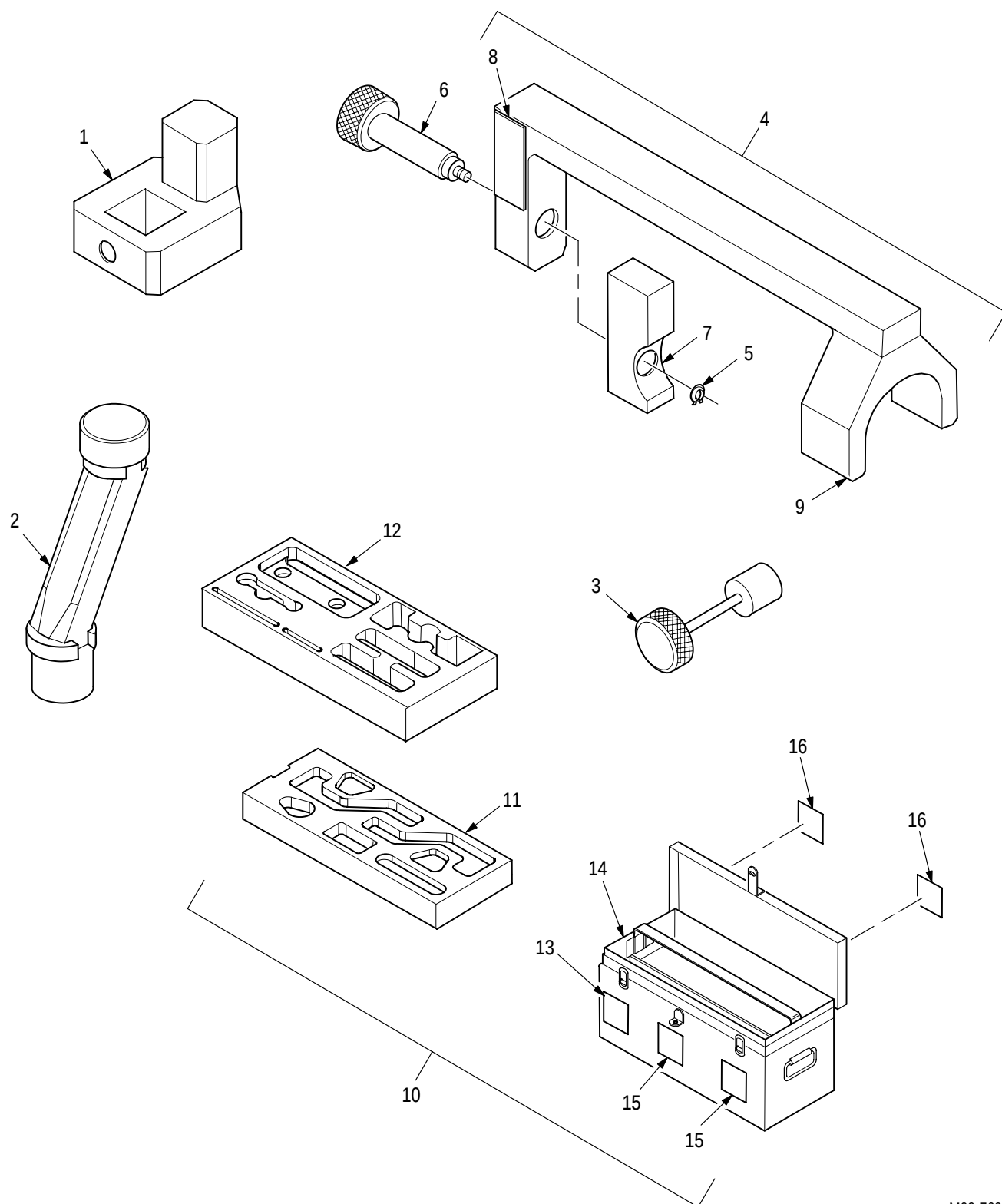
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 717 Airframe Special Equipment (AVIM)                         |            |
| 1                  | XCFFF              | 8V613       | 7-263000000        | · PGSE, Avim .....                                                                           | 1          |
| 2                  | XCFFF              | 8V613       | 7-263100000        | ·· Airframe Subsystem .....                                                                  | 1          |
| 3                  | PBOOO              | 8V613       | 7-263100001-603    | ··· Tool Kit, Avim (See Figs. 720 and 721 for Breakdown)<br>BOI: 1 Auth for 1-50 Ships ..... | 1          |
| 4                  | XDOZZ              | 8V613       | HS5572-0001        | ···· Plate, Mounting .....                                                                   | 1          |
| 5                  | XDOZZ              | 02731       | HS5216-1           | ···· Plate, Ident .....                                                                      | 1          |
| 6                  | PEFFF              | 8V613       | 7-363100003-603    | ··· Tool Kit, Aircraft M (See Fig. 757 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships .....   | 1          |
| 7                  | XDOZZ              | 02731       | HS5216-2           | ···· Plate, Identificatio .....                                                              | 1          |
| 8                  | XDOZZ              | 02731       | HS5572-0001        | ···· Plate, Mounting .....                                                                   | 1          |
| 9                  | PEFFF              | 8V613       | 7-363100002        | ··· Fixture, Tail Rotor (See Fig. 758 for Breakdown) .....                                   | 1          |
| 10                 | PAOZZ              | 8V613       | 7-362110213        | ··· Plug, Expansion .....                                                                    | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                              |            |



M09-759D

Figure 718. Group 80 Tool Kit, Special (AVUM) (Part 1)  
7-262100013-603

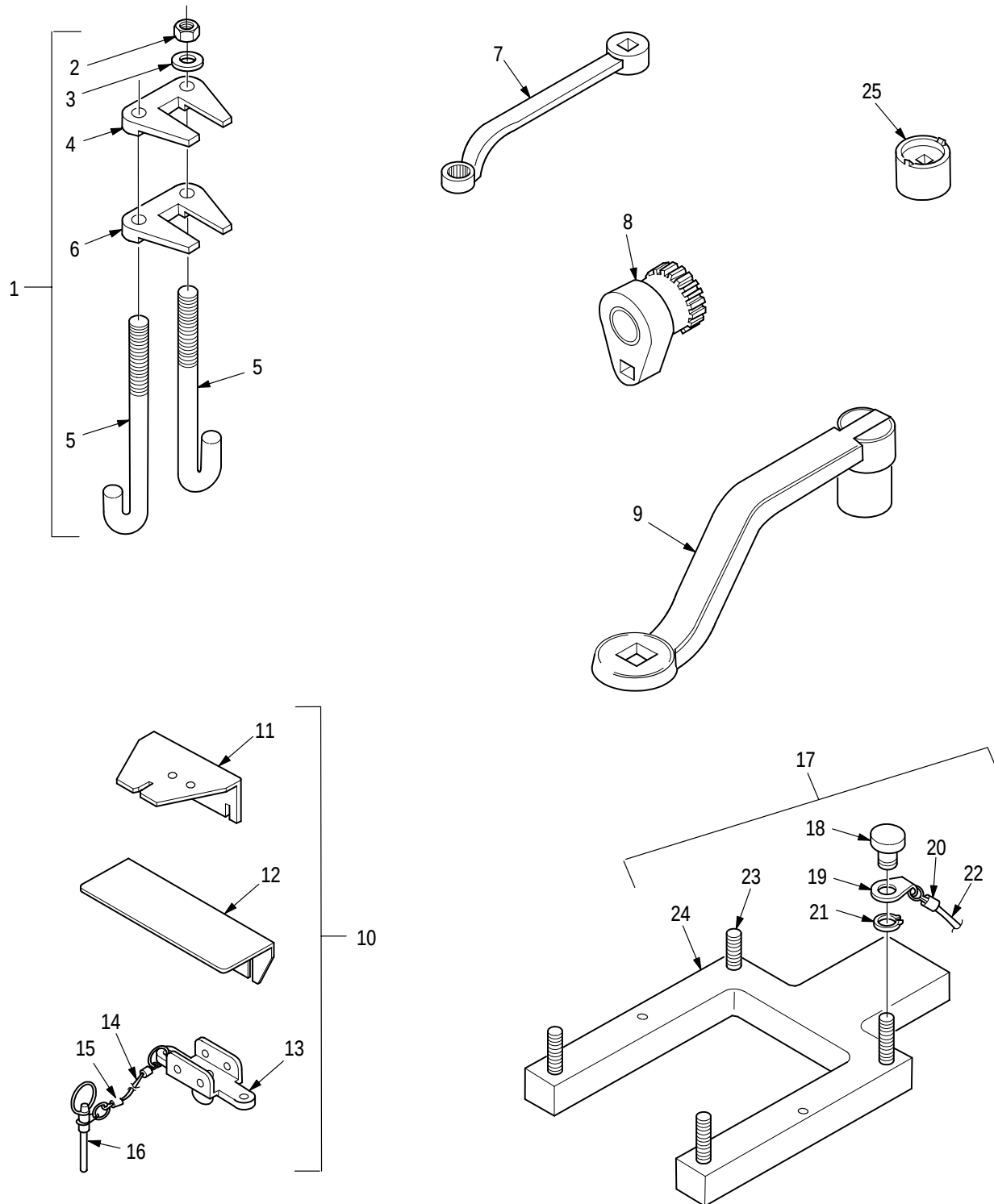
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 718 Tool Kit, Special (AVUM) (Part 1)<br>7-262100013-603<br>See Fig. 714 for NHA |            |
| 1                  | XDOOF              | 8V613       | 7-262110018        | • Compressor, Tool, Ped Adjustment .....                                                                        | 1          |
| 2                  | PAOZZ              | 88044       | AN315C6R           | • • Nut, Plain, Hexagon .....                                                                                   | 2          |
| 3                  | PAOZZ              | 88044       | AN960-616          | • • Washer, Flat .....                                                                                          | 2          |
| 4                  | XAOZZ              | 8V613       | 7-262110018-3      | • • Plate .....                                                                                                 | 1          |
| 5                  | PAOZZ              | 8V613       | 7-262110018-7      | • • Bolt, Spring .....                                                                                          | 2          |
| 6                  | XAOZZ              | 8V613       | 7-262110018-5      | • • Plate .....                                                                                                 | 1          |
| 7                  | PBOZZ              | 8V613       | 7-262110046        | • Adapter, Torque Wren Tail Rotor .....                                                                         | 1          |
| 8                  | XDOZZ              | 8V613       | 7-362110011        | • Wrench, Socket Nose Gearbox Shaft Locknut .....                                                               | 1          |
| 9                  | PBOZZ              | 8V613       | 7-263110002-601    | • Wrench, Mast Support M/R Mast Support Strut Bolt AFT .                                                        | 1          |
| 10                 | PBOOO              | 8V613       | 7-262110013        | • Maintenance Kit, Air .....                                                                                    | 1          |
| 11                 | XDOZZ              | 8V613       | 7-262120007        | • • Bracket Assembly .....                                                                                      | 1          |
| 12                 | XDOZZ              | 8V613       | 7-262120003        | • • Target .....                                                                                                | 1          |
| 13                 | PBOOO              | 8V613       | 7-262120027-9      | • • Adapter, Fuselage Ja .....                                                                                  | 2          |
| 14                 | PAOZZ              | 81349       | M83420/4-002       | • • • Rope, Wire .....                                                                                          | 2          |
| 15                 | PAOZZ              | 96906       | MS51844-62         | • • • Swaging Sleeve, Wire .....                                                                                | 4          |
| 16                 | PAOZZ              | 80205       | NAS1354A3C17F      | • • • Pin, Quick Release .....                                                                                  | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                 |            |



M09-760D

Figure 719. Group 80 Tool Kit, Special (AVUM) (Part 2)  
7-262100013-603

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 719 Tool Kit, Special (AVUM) (Part 2)<br>7-262100013-603<br>See Fig. 714 for NHA |            |
| 1                  | PBOZZ              | 8V613       | 7-362110085        | • Adapter, Torque Wren M/R Mixer Support Bolt .....                                                             | 1          |
| 2                  | PBOZZ              | 8V613       | 7-263110003-601    | • Wrench, Mast Support Strut Bolt FWD .....                                                                     | 1          |
| 3                  | PBOZZ              | 8V613       | 7-362110086        | • Puller, Mechanical Generator Seal Retainer .....                                                              | 1          |
| 4                  | XDOOO              | 8V613       | 7-362110078        | • Lock, Aircraft Groun Oleo Strut MLG .....                                                                     | 2          |
| 5                  | PAOZZ              | 96906       | MS16624-4037       | • Ring, Retaining .....                                                                                         | 1          |
| 6                  | PAOZZ              | 8V613       | 7-362120042        | • Screw, Lock Assembly .....                                                                                    | 1          |
| 7                  | XDOZZ              | 8V613       | 7-362120039        | • Cap .....                                                                                                     | 1          |
| 8                  | XDOZZ              | 02731       | HS4709-2           | • Nameplate, General, P .....                                                                                   | 1          |
| 9                  | XAOZZ              | 8V613       | 7-362120040        | • Housing Assembly .....                                                                                        | 1          |
| 10                 | PBOOO              | 8V613       | 7-262110059-603    | • Shipping and Storag .....                                                                                     | 1          |
| 11                 | PBFZZ              | 8V613       | 7-262110059-9      | • Insert, Tool Box .....                                                                                        | 1          |
| 12                 | XDFZZ              | 8V613       | 7-262110059-11     | • Filler, Tray .....                                                                                            | 1          |
| 13                 | XDFZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                                    | 1          |
| 14                 | XDFZZ              | 8V613       | 7-362120052-3      | • Box, Container .....                                                                                          | 1          |
| 15                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                                    | 2          |
| 16                 | XDOZZ              | 02731       | HS5572-0001        | • Plate, Assembly Comp .....                                                                                    | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                 |            |

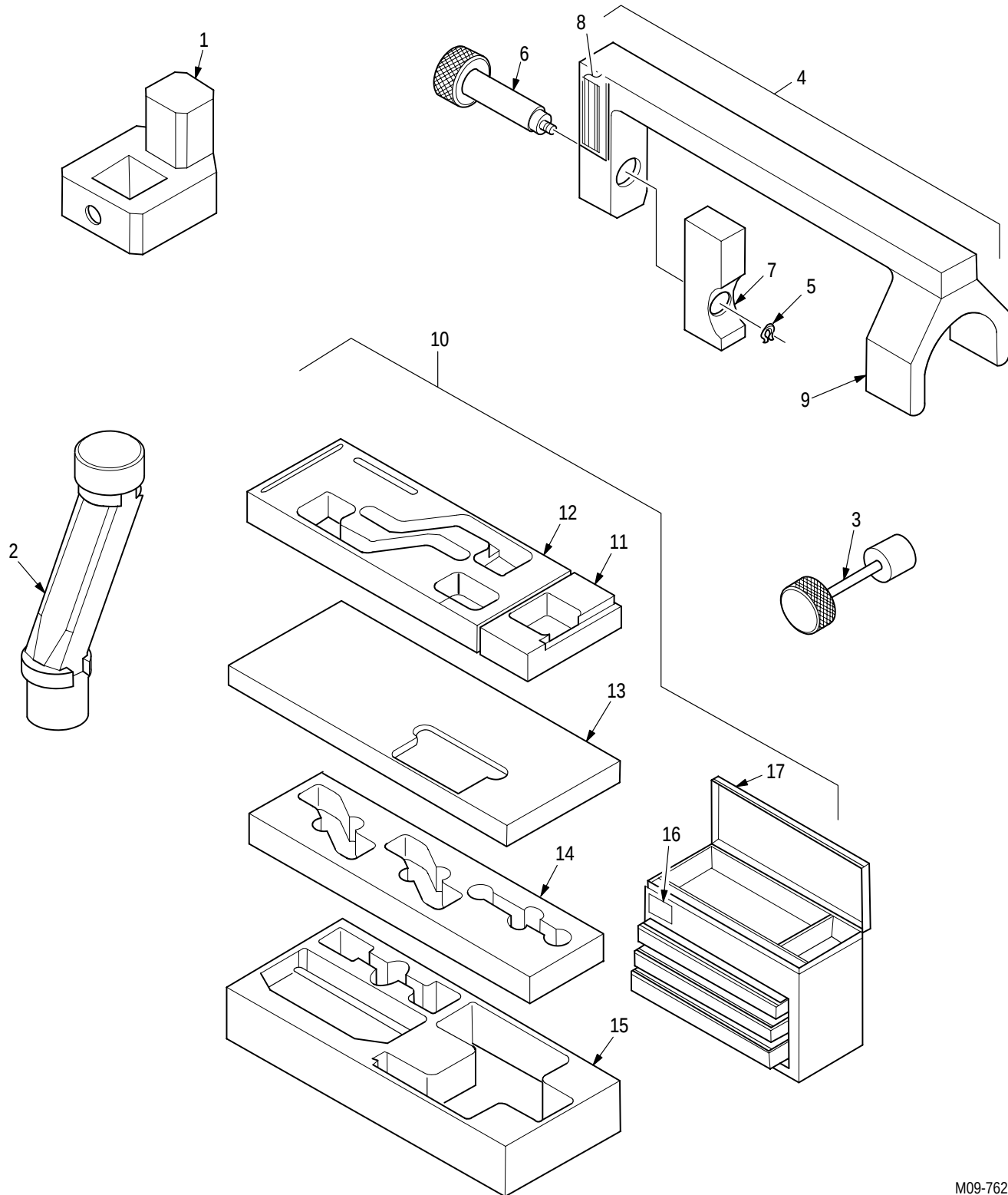


M09-761E

Figure 720. Group 80 Tool Kit (AVIM) (Part 1)  
7-263100001-603

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 720 Tool Kit (AVIM) (Part 1)<br>7-263100001-603<br>See Fig. 717 for NHA |            |
| 1                  | PEOFF              | 8V613       | 7-262110018        | • Compressor, Tool, Ped Adjustment .....                                                               | 1          |
| 2                  | PAFZZ              | 88044       | AN315C6R           | • • Nut, Plain, Hexagon .....                                                                          | 2          |
| 3                  | PAFZZ              | 88044       | AN960-616          | • • Washer, Flat .....                                                                                 | 2          |
| 4                  | XAFZZ              | 8V613       | 7-262110018-3      | • • Plate .....                                                                                        | 1          |
| 5                  | XDFZZ              | 8V613       | 7-262110018-7      | • • Bolt, Spring .....                                                                                 | 2          |
| 6                  | XAFZZ              | 8V613       | 7-262110018-5      | • • Plate .....                                                                                        | 1          |
| 7                  | PEOZZ              | 8V613       | 7-262110046        | • Adapter, Torque Wrench, Tail Rotor .....                                                             | 1          |
| 8                  | PBOZZ              | 52193       | T-114095           | • Socket, Wrench, Face Nose Gearbox Shaft Locknut .....                                                | 1          |
| 9                  | PBOZZ              | 8V613       | 7-263110002-601    | • Wrench, Socket M/R Mast Support Strut Bolt AFT .....                                                 | 1          |
| 10                 | PBOOO              | 8V613       | 7-262110013        | • Maintenance Kit, Air .....                                                                           | 1          |
| 11                 | XDFZZ              | 8V613       | 7-262120007        | • • Bracket Assembly .....                                                                             | 1          |
| 12                 | XDFZZ              | 8V613       | 7-262120003        | • • Target .....                                                                                       | 1          |
| 13                 | PEOOO              | 8V613       | 7-262120027-9      | • • Adapter, Fuselage Ja .....                                                                         | 2          |
| 14                 | MFOZZ              | 8V613       | 7-262120027-5      | • • • Rope, Wire .....                                                                                 | 2          |
| 15                 | PAOZZ              | 96906       | MS51844-62         | • • • Swaging Sleeve, Wire .....                                                                       | 4          |
| 16                 | PAOZZ              | 80205       | NAS1354A3C17F      | • • • Pin, Quick Release .....                                                                         | 2          |
| 17                 | PEOFF              | 8V613       | 7-263110004        | • Fixture, Aircraft Ma Support Cyclic Stick .....                                                      | 1          |
| 18                 | XDFZZ              | 8V613       | 7-263110004-9      | • • Knob .....                                                                                         | 4          |
| 19                 | XDFZZ              | 8V613       | 7-263110004-7      | • • Tab .....                                                                                          | 4          |
| 20                 | XDFZZ              | 96906       | MS51844-62         | • • Swaging Sleeve, Wire .....                                                                         | 8          |
| 21                 | XDFZZ              | 96906       | MS16624-4040       | • • Ring, Retaining .....                                                                              | 4          |
| 22                 | PAFZZ              | 8V613       | 7-263110004-11     | • • Lanyard, Cyclic Sti .....                                                                          | 4          |
| 23                 | XDFZZ              | 8V613       | 7-263110004-5      | • • Stud .....                                                                                         | 4          |
| 24                 | XAFZZ              | 8V613       | 7-263110004-3      | • • Plate .....                                                                                        | 1          |
| 25                 | PBOZZ              | 60168       | 140012-1           | Socket, Wrench, Face Sight Gauge .....                                                                 | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                        |            |

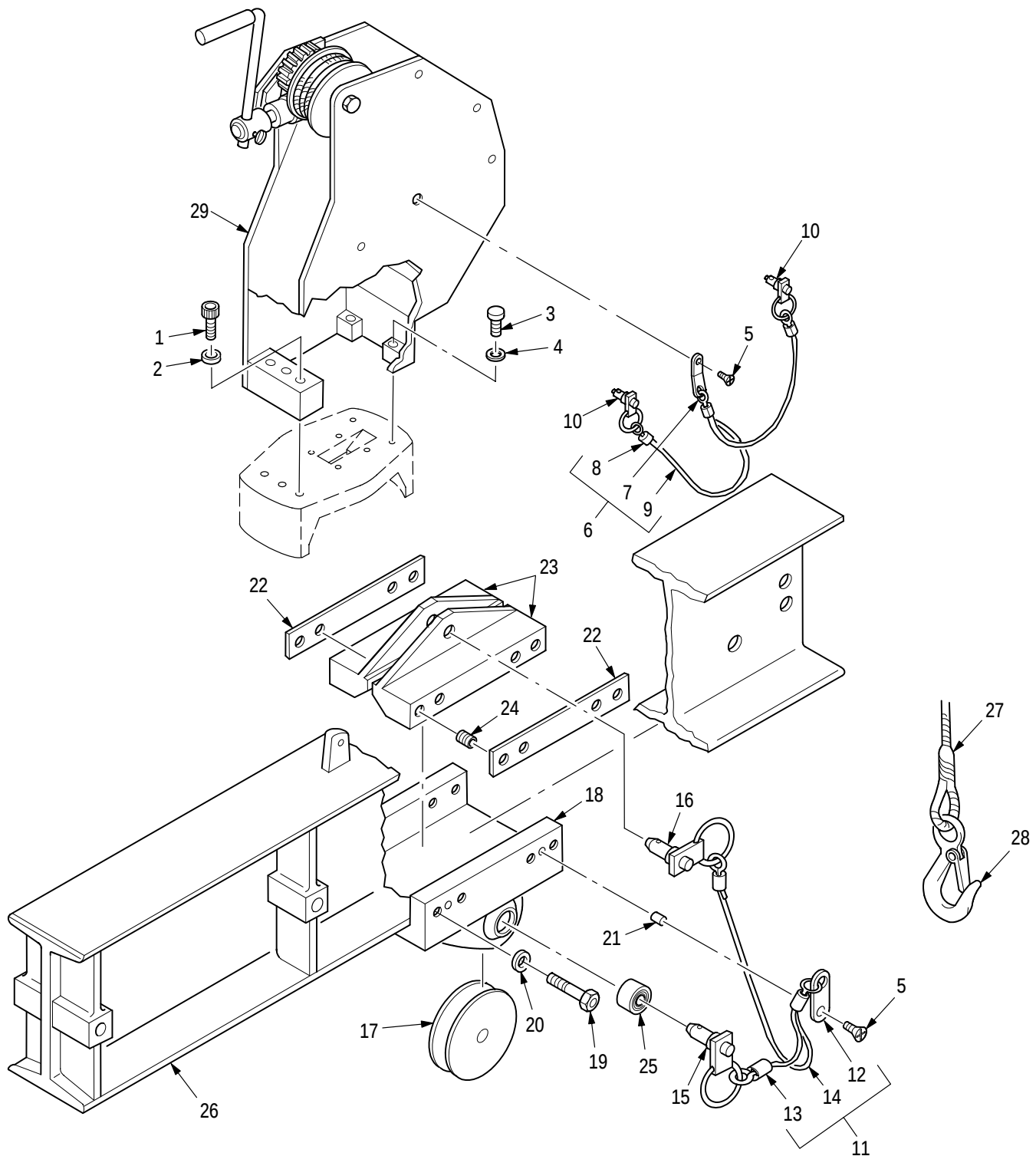




M09-762B

Figure 721. Group 80 Tool Kit (AVIM) (Part 2)  
7-263100001-603

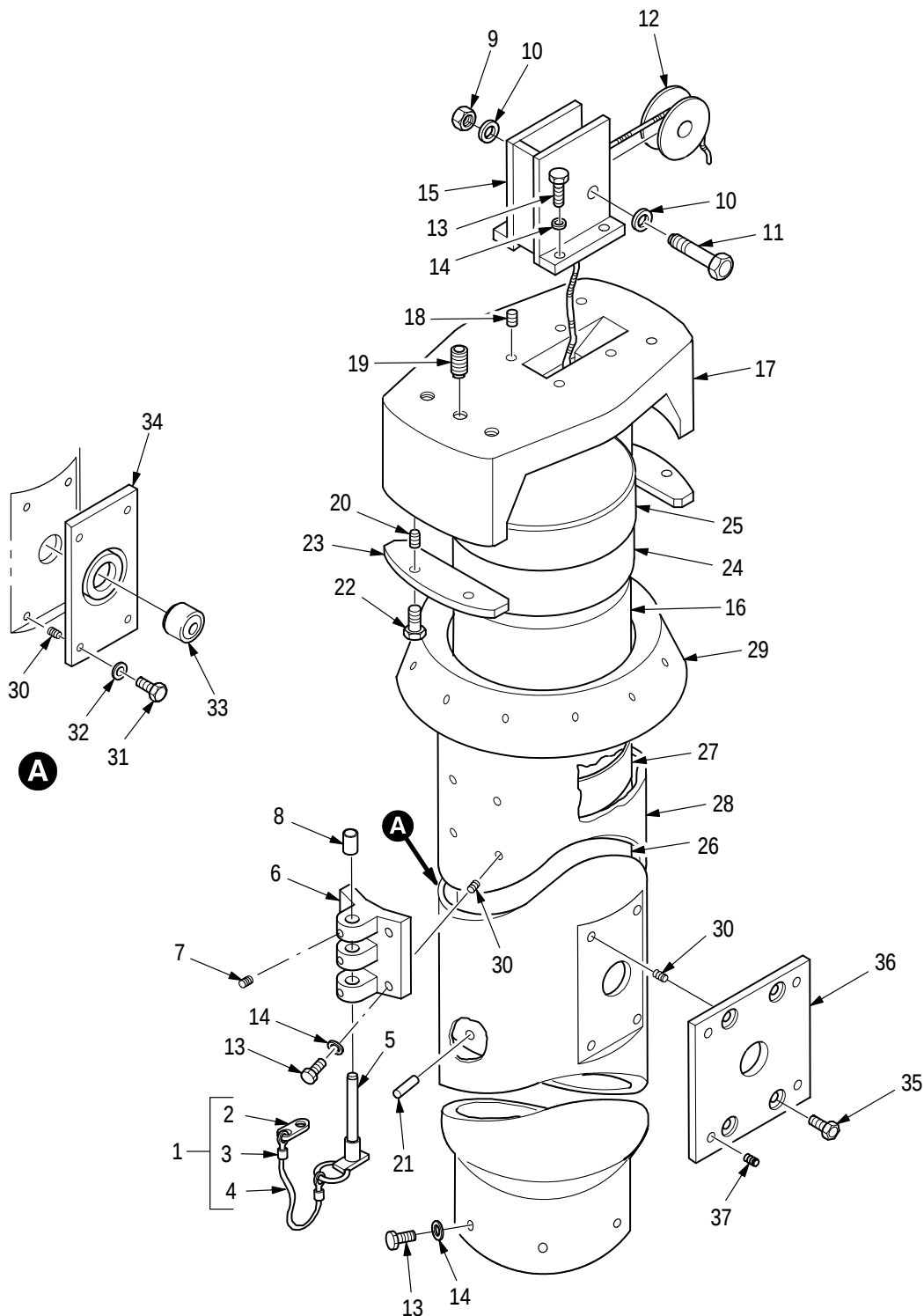
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 721 Tool Kit (AVIM) (Part 2)<br>7-263100001-603<br>See Fig. 717 for NHA |            |
| 1                  | PEOZZ              | 8V613       | 7-362110085        | • Adapter, Torque Wren M/R Mixer Support Bolt .....                                                    | 1          |
| 2                  | PBOZZ              | 8V613       | 7-263110003-601    | • Wrench, Mast Support Strut Bolt FWD .....                                                            | 1          |
| 3                  | PEFZZ              | 8V613       | 7-362110086        | • Puller, Mechanical Generator Seal Retainer .....                                                     | 1          |
| 4                  | XDOOO              | 8V613       | 7-362110078        | • Lock, Aircraft Groun Oleo Strut MLG .....                                                            | 2          |
| 5                  | PAFZZ              | 96906       | MS16624-4037       | • Ring, Retaining .....                                                                                | 1          |
| 6                  | XDFZZ              | 8V613       | 7-362120042        | • Screw, Lock Assembly .....                                                                           | 1          |
| 7                  | XDFZZ              | 8V613       | 7-362120039        | • Cap .....                                                                                            | 1          |
| 8                  | XDOZZ              | 02731       | HS4709-2           | • Plate, Identificatio .....                                                                           | 1          |
| 9                  | XAFZZ              | 8V613       | 7-362120040        | • Housing Assembly .....                                                                               | 1          |
| 10                 | PBOOO              | 8V613       | 7-263110011-603    | • Tool Box, Portable .....                                                                             | 1          |
| 11                 | XDFZZ              | 8V613       | 7-263110011-3      | • Filler, Till-In .....                                                                                | 1          |
| 12                 | XDFZZ              | 8V613       | 7-263110011-13     | • Filler, Till-In .....                                                                                | 1          |
| 13                 | XDFZZ              | 8V613       | 7-263110011-7      | • Filler, Top .....                                                                                    | 1          |
| 14                 | XDFZZ              | 8V613       | 7-263110011-15     | • Filler, Center .....                                                                                 | 1          |
| 15                 | XDFZZ              | 8V613       | 7-263110011-9      | • Filler, Bottom .....                                                                                 | 1          |
| 16                 | XDFZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                           | 1          |
| 17                 | XDFZZ              | 8V613       | 7-362120052-5      | • Box, Container .....                                                                                 | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                        |            |



M09-788C

Figure 722. Group 80 Crane, Aircraft Mounted Maintenance (Part 1)  
120000-601 (02731)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 722 Crane, Aircraft Mounted<br>Maintenance (Part 1)<br>120000-601 (02731)<br>See Fig. 714 for NHA |            |
| 1                  | PAOZZ              | 80205       | NAS1352-7H40P      | • Screw, Cap, Socket He . . . . .                                                                                                | 3          |
| 2                  | PAOZZ              | 88044       | AN960-716          | • Washer, Flat . . . . .                                                                                                         | 3          |
| 3                  | PAOZZ              | 96906       | MS51095-310        | • Screw, Cap, Hexagon H . . . . .                                                                                                | 2          |
| 4                  | PAOZZ              | 88044       | AN960-416          | • Washer, Flat . . . . .                                                                                                         | 2          |
| 5                  | PAOZZ              | 96906       | MS16997-43         | • Screw, Cap, Socket He . . . . .                                                                                                | 2          |
| 6                  | PAOOO              | 8V613       | 120109             | • Tether, Yoke . . . . .                                                                                                         | 1          |
| 7                  | XDOZZ              | 8V613       | 120107             | • • Clip, Tether . . . . .                                                                                                       | 1          |
| 8                  | XDOZZ              | 96906       | MS51844-43         | • • Sleeve, Swaged . . . . .                                                                                                     | 3          |
| 9                  | XAOZZ              | 8V613       | 120109-3           | • • Cable, Nylon Coated . . . . .                                                                                                | 1          |
| 10                 | PAOZZ              | 96906       | MS17986-848        | • Pin, Quick Release . . . . .                                                                                                   | 2          |
| 11                 | PAOOO              | 8V613       | 120110             | • Tether, Slider . . . . .                                                                                                       | 1          |
| 12                 | XDOZZ              | 8V613       | 120105             | • • Clip, Tether . . . . .                                                                                                       | 1          |
| 13                 | XDOZZ              | 96906       | MS51844-43         | • • Sleeve, Swaged . . . . .                                                                                                     | 3          |
| 14                 | XAOZZ              | 8V613       | 120110-3           | • • Cable, Nylon Coated . . . . .                                                                                                | 1          |
| 15                 | PAOZZ              | 96906       | MS17986C812        | • Pin, Quick Release . . . . .                                                                                                   | 1          |
| 16                 | PAOZZ              | 96906       | MS17986C825        | • Pin, Quick Release . . . . .                                                                                                   | 1          |
| 17                 | XDOZZ              | 75535       | 4A                 | • Sheave, Cable . . . . .                                                                                                        | 1          |
| 18                 | PBOOO              | 8V613       | 120017             | • Sheave, Boom BOI: 1 Auth for 10-25 Ships . . . . .                                                                             | 1          |
| 19                 | PAOZZ              | 96906       | MS16997-63         | • • Screw, Cap, Socket He . . . . .                                                                                              | 8          |
| 20                 | PAOZZ              | 88044       | AN960-416          | • • Washer, Flat . . . . .                                                                                                       | 8          |
| 21                 | PAOZZ              | 96906       | MS16555-48         | • • Pin, Straight, Hea . . . . .                                                                                                 | 4          |
| 22                 | PAOZZ              | 8V613       | 120082             | • • Shim, Boom Sheave . . . . .                                                                                                  | 2          |
| 23                 | XDOOO              | 8V613       | 120065             | • • Side, Sheave . . . . .                                                                                                       | 2          |
| 24                 | PAOZZ              | 96906       | MS21209C4-20       | • • • Insert, Screw Thread . . . . .                                                                                             | 4          |
| 25                 | PAOZZ              | 71041       | FB810-5            | • • Bearing, Sleeve . . . . .                                                                                                    | 2          |
| 26                 | XDOZZ              | 8V613       | 120019             | • Arm, Boom . . . . .                                                                                                            | 1          |
| 27                 | XDOOO              | 8V613       | 120083             | • Tag Line . . . . .                                                                                                             | 2          |
| 28                 | XDOZZ              | 8V613       | 3949T1             | • • Hook, Snap . . . . .                                                                                                         | 2          |
| 29                 | PBOOO              | 8V613       | 120103             | • Yoke Assy, Elevation (See Fig. 726 for Breakdown)<br>BOI: 1 Auth for 10-25 Ships . . . . .                                     | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                  |            |



M09-790D

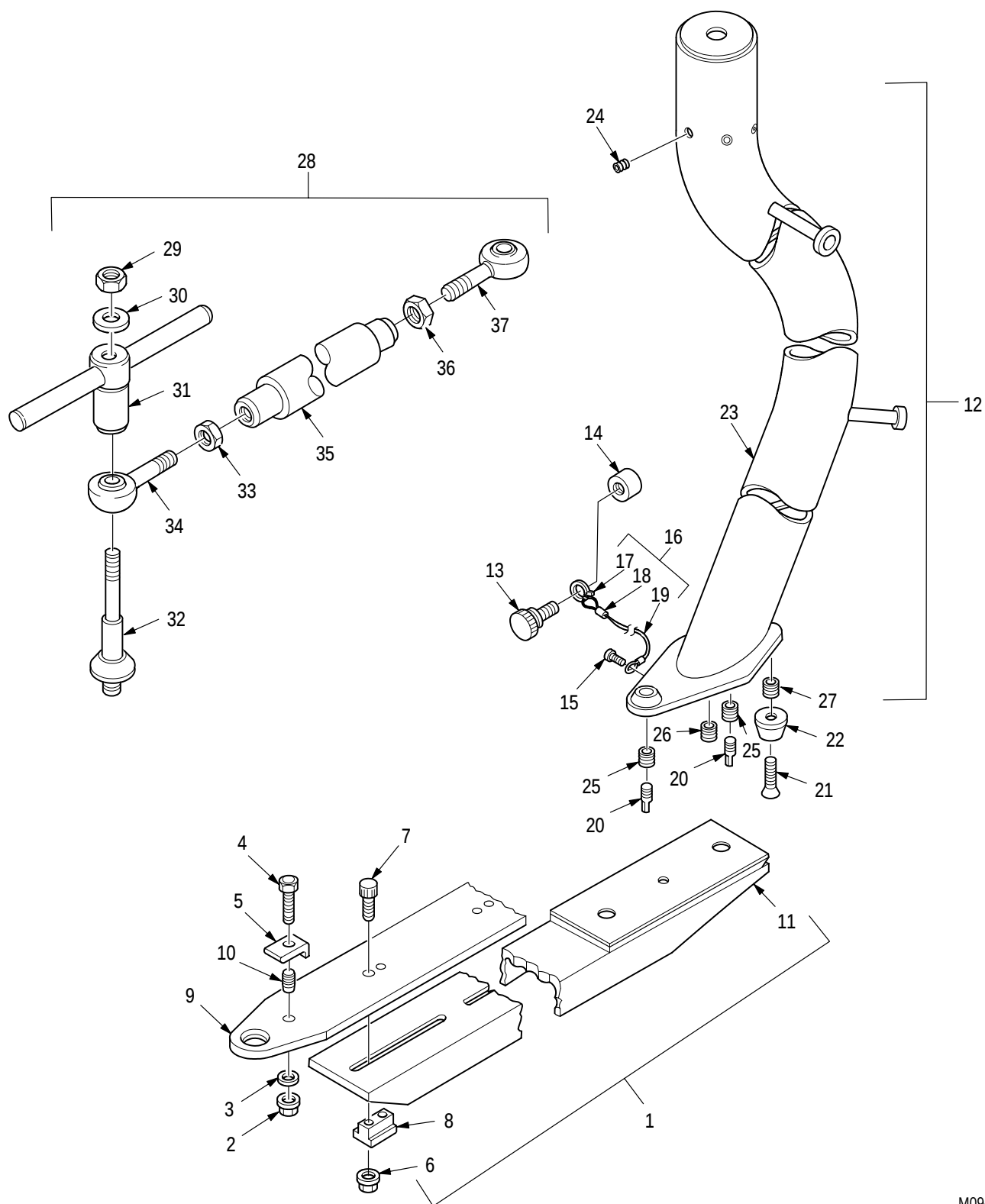
Figure 723. Group 80 Crane, Aircraft Mounted Maintenance (Part 2)  
120000-601 (02731)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 723 Crane, Aircraft Mounted<br>Maintenance (Part 2)<br>120000-601 (02731)<br>See Fig. 714 for NHA |            |
| 1                  | PAOOO              | 8V613       | 120108             | • Tether, Tie Block .....                                                                                                        | 1          |
| 2                  | XDOZZ              | 8V613       | 120106             | •• Clip, Tether .....                                                                                                            | 1          |
| 3                  | XDOZZ              | 96906       | MS51844-43         | •• Sleeve, Swaged .....                                                                                                          | 2          |
| 4                  | XAOZZ              | 8V613       | 120108-3           | •• Cable, Nylon Coated .....                                                                                                     | 1          |
| 5                  | PAOZZ              | 96906       | MS17986C530        | • Pin, Quick Release .....                                                                                                       | 1          |
| 6                  | PBOOO              | 8V613       | 120058             | • Block Assy, Tie-Down BOI: 1 Auth for 10-25 Ships .....                                                                         | 1          |
| 7                  | PAOZZ              | 96906       | MS51021-31         | •• Setscrew .....                                                                                                                | 3          |
| 8                  | PAOZZ              | 8V613       | 120057             | •• Bushing, Sleeve .....                                                                                                         | 3          |
| 9                  | PAOZZ              | 96906       | MS21045-8          | • Nut, Self-Locking, He .....                                                                                                    | 1          |
| 10                 | PAOZZ              | 88044       | AN960-816          | • Washer, Flat .....                                                                                                             | 2          |
| 11                 | PAOZZ              | 80205       | NAS1308-23         | • Bolt, Shear .....                                                                                                              | 1          |
| 12                 | XDOZZ              | 75535       | 4A                 | • Sheave, Cable .....                                                                                                            | 1          |
| 13                 | PAOZZ              | 80204       | B1821BH025C075N    | • Screw, Cap, Hexagon H .....                                                                                                    | 11         |
| 14                 | PAOZZ              | 88044       | AN960-416          | • Washer, Flat .....                                                                                                             | 18         |
| 15                 | XDOZZ              | 8V613       | 120045             | • Guard, Pulley .....                                                                                                            | 1          |
| 16                 | XDOOO              | 8V613       | 120064             | • Yoke Extension Assy .....                                                                                                      | 1          |
| 17                 | XAOOO              | 8V613       | 120015             | •• Yoke Extension .....                                                                                                          | 1          |
| 18                 | PAOZZ              | 96906       | MS122161           | ••• Insert, Screw Thread .....                                                                                                   | 6          |
| 19                 | PAOZZ              | 96906       | MS122164           | ••• Insert, Screw Thread .....                                                                                                   | 3          |
| 20                 | PAOZZ              | 96906       | MS21209C4-15       | ••• Insert, Screw Thread .....                                                                                                   | 4          |
| 21                 | PAOZZ              | 80205       | NAS561-2-8         | • Pin, Spring .....                                                                                                              | 6          |
| 22                 | PAOZZ              | 96906       | MS16997-59         | • Screw, Cap, Socket He .....                                                                                                    | 4          |
| 23                 | XDOZZ              | 8V613       | 120081             | • Retainer .....                                                                                                                 | 2          |
| 24                 | XDOZZ              | 8V613       | 120046-7           | • Bearing, Yoke .....                                                                                                            | 1          |
| 25                 | XDOZZ              | 8V613       | 120046-11          | • Fluorglas .....                                                                                                                | V          |
| 26                 | XDOZZ              | 8V613       | 120046-9           | • Bearing, Yoke .....                                                                                                            | 1          |
| 27                 | XDOZZ              | 8V613       | 120046-13          | • Fluorglas .....                                                                                                                | V          |
| 28                 | PBOOO              | 8V613       | 120037             | • Leg Assembly, Main .....                                                                                                       | 1          |
| 29                 | XAOZZ              | 8V613       | 120040             | •• Drum, Brake .....                                                                                                             | 1          |
| 30                 | PAOZZ              | 96906       | MS21209C4-10       | •• Insert, Screw Thread .....                                                                                                    | 12         |
| 31                 | PAOZZ              | 96906       | MS90725-5          | •• Screw, Cap, Hexagon H .....                                                                                                   | 4          |
| 32                 | PAOZZ              | 88044       | AN960-416          | •• Washer, Flat .....                                                                                                            | 4          |
| 33                 | XDOZZ              | 71041       | 35672              | •• Bearing, Bronze .....                                                                                                         | 1          |
| 34                 | XDOZZ              | 8V613       | 120092             | •• Plate, Adapter .....                                                                                                          | 1          |
| 35                 | PAOZZ              | 96906       | MS24667-29         | •• Screw, Cap, Socket He .....                                                                                                   | 4          |
| 36                 | XDOOO              | 8V613       | 120074             | •• Plate, Mounting .....                                                                                                         | 1          |
| 37                 | PAOZZ              | 96906       | MS21209C4-10       | ••• Insert, Screw Thread .....                                                                                                   | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                  |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 724 Crane, Aircraft Mounted<br>Maintenance (Part 3)<br>120000-601 (02731)<br>See Fig. 714 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS90725-19         | • Screw, Cap, Hexagon H . . . . .                                                                                                | 4          |
| 2                  | PBOOO              | 8V613       | 120115             | • Winch Assembl BOl: 1 Auth for 10-25 Ships . . . . .                                                                            | 1          |
| 3                  | PAOZZ              | 96906       | MS21295-13         | •• Screw, Cap, Socket He . . . . .                                                                                               | 3          |
| 4                  | PAOZZ              | 82084       | 2-20011            | •• Level, Cylindrical, C . . . . .                                                                                               | 1          |
| 5                  | PAOZZ              | 8V613       | 120090             | •• Screw, Thumb, Winch . . . . .                                                                                                 | 1          |
| 6                  | PAOZZ              | 96906       | MS35206-243        | •• Screw, Machine . . . . .                                                                                                      | 1          |
| 7                  | MFOFF              | 8V613       | 120104             | •• Wire Rope Assembly, . . . . .                                                                                                 | 1          |
| 8                  | PAFZZ              | 96906       | MS16624-4025       | ••• Ring, Retaining . . . . .                                                                                                    | 1          |
| 9                  | PAFZZ              | 96906       | MS51844-40         | ••• Swaging Sleeve, Wire . . . . .                                                                                               | 2          |
| 10                 | MFFZZ              | 8V613       | 120104-1           | ••• Cable, Thether . . . . .                                                                                                     | 1          |
| 11                 | PAOZZ              | 80205       | NAS561C5-20        | •• Pin, Spring . . . . .                                                                                                         | 1          |
| 12                 | PAOZZ              | 80205       | MS21042-08         | •• Nut, Self-Locking, Ex . . . . .                                                                                               | 1          |
| 13                 | PAOZZ              | 96906       | MS16997-35         | •• Screw, Cap, Socket He . . . . .                                                                                               | 1          |
| 14                 | XDOZZ              | 8V613       | 120088             | •• Handle, Manual Contr . . . . .                                                                                                | 1          |
| 15                 | XDOOO              | 8V613       | 120089             | •• Hub, Winch . . . . .                                                                                                          | 1          |
| 16                 | PAOZZ              | 96906       | MS122082           | ••• Insert, Screw Thread . . . . .                                                                                               | 1          |
| 17                 | PAOZZ              | 96906       | MS122119           | ••• Insert, Screw Thread . . . . .                                                                                               | 1          |
| 18                 | XDOZZ              | 8V613       | 120087             | •• Drive Unit, Angle . . . . .                                                                                                   | 1          |
| 19                 | XDOZZ              | 96906       | MS51963-63         | • Setscrew . . . . .                                                                                                             | 1          |
| 20                 | XDOZZ              | 96906       | MS51963-65         | • Setscrew . . . . .                                                                                                             | 1          |
| 21                 | PAOZZ              | 8V613       | 120116             | • Key, Machine . . . . .                                                                                                         | 1          |
| 22                 | XDOZZ              | 37581       | SA110-7            | • Ball End, Wire Rope . . . . .                                                                                                  | 1          |
| 23                 | PAOZZ              | 8V613       | 120062             | • Wire Rope Assembly, . . . . .                                                                                                  | 1          |
| 24                 | XDOOO              | 8V613       | 120076             | • Drum, Hoist . . . . .                                                                                                          | 1          |
| 25                 | PAOZZ              | 96906       | MS21209C4-10       | •• Insert, Screw Thread . . . . .                                                                                                | 1          |
| 26                 | PAOZZ              | 96906       | MS21209C4-15       | •• Insert, Screw Thread . . . . .                                                                                                | 1          |
| 27                 | XDOZZ              | 8V613       | 120075             | • Hoist, Shaft . . . . .                                                                                                         | 1          |
| 28                 | PAOZZ              | 80204       | B1821BH025C075N    | • Screw, Cap, Hexagon H . . . . .                                                                                                | 4          |
| 29                 | PAOZZ              | 88044       | AN960-416          | • Washer, Flat . . . . .                                                                                                         | 4          |
| 30                 | PBOOO              | 8V613       | 120061             | • Lift Mechanism, Cran BOl: 1 Auth for 10-25 Ships . . . . .                                                                     | 1          |
| 31                 | PAOZZ              | 96906       | MS21083D8          | •• Nut, Self-Locking, He . . . . .                                                                                               | 2          |
| 32                 | PAOZZ              | 96906       | MS27183-18         | •• Washer, Flat . . . . .                                                                                                        | 1          |
| 33                 | XDOZZ              | 8V613       | 120060             | •• Handle, Lift Mech . . . . .                                                                                                   | 1          |
| 34                 | PAOZZ              | 88044       | AN960-816          | •• Washer, Flat . . . . .                                                                                                        | 1          |
| 35                 | XDOZZ              | 60380       | AFT8               | •• Bearing . . . . .                                                                                                             | 1          |
| 36                 | XAOZZ              | 8V613       | 120059             | •• Shaft, Lift Mech . . . . .                                                                                                    | 1          |
| 37                 | PAOZZ              | 96906       | MS16624-1100       | •• Ring, Retaining . . . . .                                                                                                     | 1          |
| 38                 | PAOZZ              | 96906       | MS16625-1175       | •• Ring, Retaining . . . . .                                                                                                     | 1          |
| 39                 | XDOZZ              | 51588       | RBC7235            | •• Inner Race . . . . .                                                                                                          | 2          |
| 40                 | XDOZZ              | 51588       | RBCSJ7235SS        | •• Bearing, Roller . . . . .                                                                                                     | 2          |
| 41                 | PAOZZ              | 96906       | MS21783-14344      | •• Bearing, Washer, Thru . . . . .                                                                                               | 1          |
| 42                 | XAOZZ              | 8V613       | 120054             | •• Housing, Lift Mech . . . . .                                                                                                  | 1          |
| 43                 | PAOZZ              | 96906       | MS21209C4-10       | Insert, Screw Thread . . . . .                                                                                                   | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                  |            |

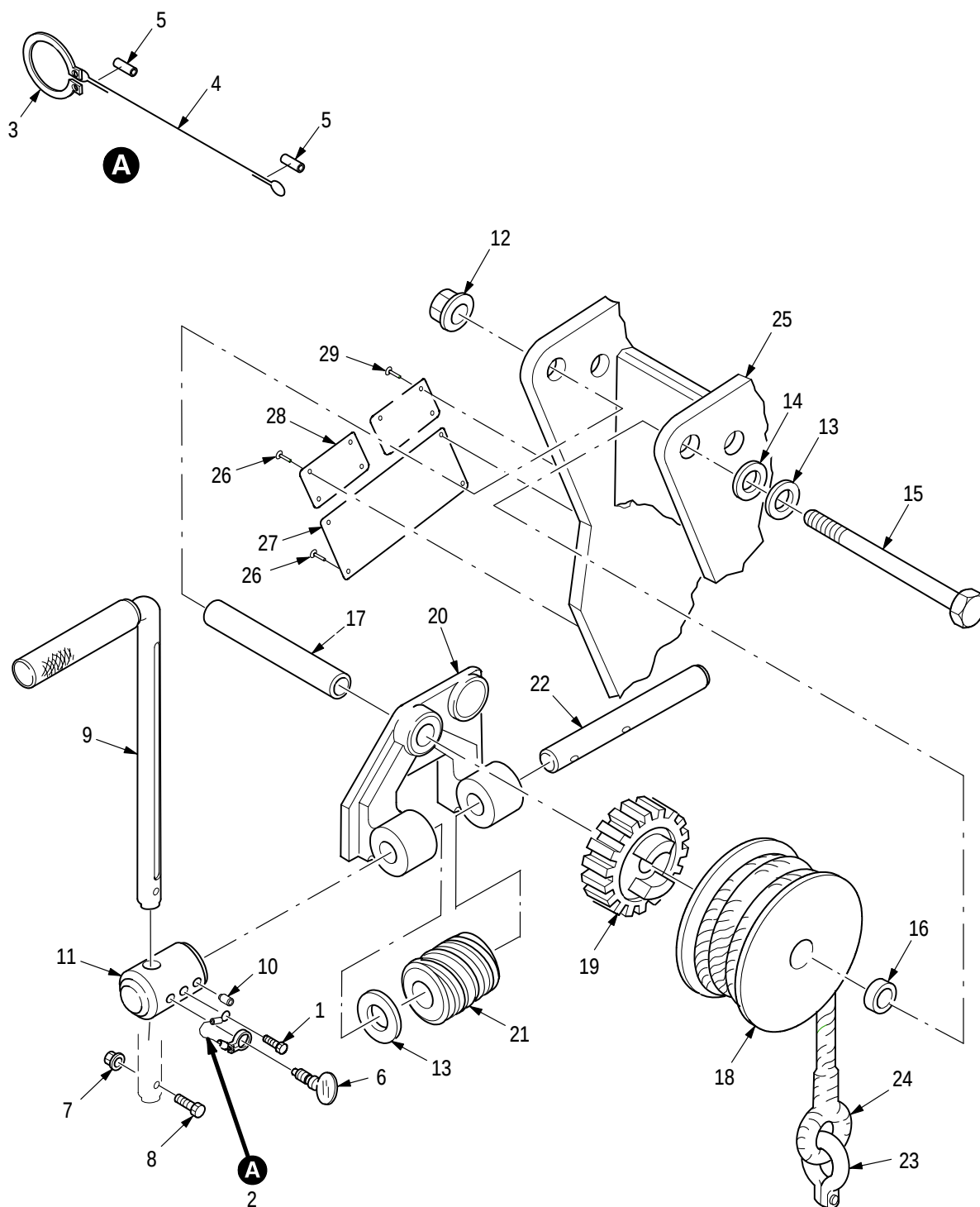




M09-792D

Figure 725. Group 80 Crane, Aircraft Mounted Maintenance (Part 4)  
120000-601 (02731)

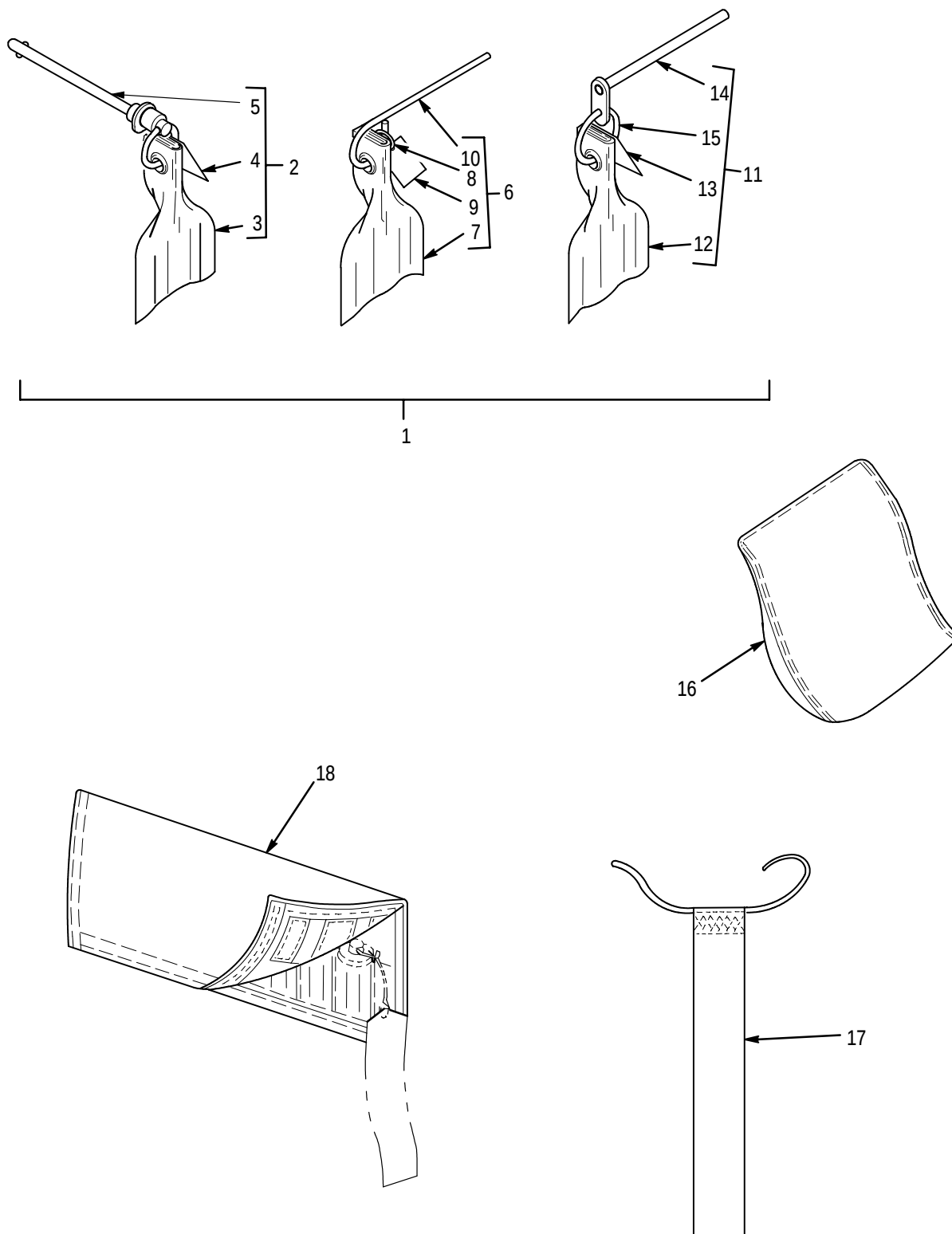
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 725 Crane, Aircraft Mounted<br>Maintenance (Part 4)<br>120000-601 (02731)<br>See Fig. 714 for NHA |            |
| 1                  | PBOOO              | 8V613       | 120084             | • Torque Arm Assy BOI: 1 Auth for 10-25 Ships . . . . .                                                                          | 1          |
| 2                  | PAOZZ              | 72962       | 21NE066            | • • Nut, Self-Locking, He . . . . .                                                                                              | 1          |
| 3                  | PAOZZ              | 88044       | AN960-616          | • • Washer, Flat . . . . .                                                                                                       | 1          |
| 4                  | PAOZZ              | 8V613       | 120112             | • • Clamp Screw . . . . .                                                                                                        | 1          |
| 5                  | PAOZZ              | 8V613       | 120003             | • • Clamp, Arm Assy . . . . .                                                                                                    | 1          |
| 6                  | PAOZZ              | 80205       | MS21042-3          | • • Nut, Self-Locking, Ex . . . . .                                                                                              | 4          |
| 7                  | PAOZZ              | 96906       | MS16998-32         | • • Screw, Cap, Socket He . . . . .                                                                                              | 4          |
| 8                  | XDOZZ              | 8V613       | 120002             | • • Fitting, Slide . . . . .                                                                                                     | 2          |
| 9                  | XDOOO              | 8V613       | 120001             | • • Plate, End . . . . .                                                                                                         | 1          |
| 10                 | PAOZZ              | 96906       | MS122123           | • • • Insert, Screw Thread . . . . .                                                                                             | 1          |
| 11                 | XDOZZ              | 8V613       | 120069             | • • Arm, Torque . . . . .                                                                                                        | 1          |
| 12                 | AOOOO              | 8V613       | 120085-3           | • Leg Assembly, Dog . . . . .                                                                                                    | 1          |
| 13                 | XDOZZ              | 8V613       | 120072-3           | • • Handle, Torque . . . . .                                                                                                     | 1          |
| 14                 | XAOZZ              | 8V613       | 120094             | • • Spacer, Torque Hdl . . . . .                                                                                                 | 1          |
| 15                 | PAOZZ              | 96906       | MS51957-27         | • • Screw, Machine . . . . .                                                                                                     | 1          |
| 16                 | MFOFF              | 8V613       | 120073             | • • Tether, Foot . . . . .                                                                                                       | 1          |
| 17                 | PAFZZ              | 96906       | MS16624-4081       | • • • Ring, Retaining . . . . .                                                                                                  | 1          |
| 18                 | PAFZZ              | 96906       | MS51844-40         | • • • Swaging Sleeve, Wire . . . . .                                                                                             | 2          |
| 19                 | MFFZZ              | 8V613       | 120073-3           | • • • Cable, Tether . . . . .                                                                                                    | 1          |
| 20                 | XDOZZ              | 8V613       | 120068             | • Stud, Foot . . . . .                                                                                                           | 2          |
| 21                 | PAOZZ              | 96906       | MS24667-58         | • • Screw, Cap, Socket He . . . . .                                                                                              | 1          |
| 22                 | XDOZZ              | 8V613       | 120005             | • • Cone, Foot . . . . .                                                                                                         | 1          |
| 23                 | XDOOO              | 8V613       | 120114             | • • Leg, Dog . . . . .                                                                                                           | 1          |
| 24                 | PAOZZ              | 96906       | MS21209C4-15       | • • • Insert, Screw Thread . . . . .                                                                                             | 6          |
| 25                 | PAOZZ              | 96906       | MS21209C8-15       | • • • Insert, Screw Thread . . . . .                                                                                             | 2          |
| 26                 | PAOZZ              | 96906       | MS122121           | • • • Insert, Screw Thread . . . . .                                                                                             | 1          |
| 27                 | PAOZZ              | 96906       | MS21209C6-10L      | • • • Insert, Screw Thread . . . . .                                                                                             | 1          |
| 28                 | PBOOO              | 8V613       | 120053-3           | • Tie Rod Assy, Crane Short BOI: 1 Auth for 10-25 Ships . .                                                                      | 1          |
| 28                 | PBOOO              | 8V613       | 120053-5           | • Tie Rod Assy, Crane Long BOI: 1 Auth for 10-25 Ships . .                                                                       | 1          |
| 29                 | PAOZZ              | 96906       | MS21042-6          | • • Nut, Self-Locking, Ex . . . . .                                                                                              | 1          |
| 30                 | PAOZZ              | 88044       | AN960-616          | • • Washer, Flat . . . . .                                                                                                       | 1          |
| 31                 | XDOZZ              | 8V613       | 120051             | • • Handle, Tee . . . . .                                                                                                        | 1          |
| 32                 | XDOZZ              | 8V613       | 120052-3           | • • Shaft, Tie . . . . .                                                                                                         | 1          |
| 33                 | PAOZZ              | 96906       | MS35691-37         | • • Nut, Plain, Hexagon . . . . .                                                                                                | 1          |
| 34                 | XDOZZ              | 73134       | HMX7G              | • • Bearing, Spherical . . . . .                                                                                                 | 1          |
| 35                 | XDOZZ              | 8V613       | 120049-11          | • • Rod, Tie Short . . . . .                                                                                                     | 1          |
| 35                 | XDOZZ              | 8V613       | 120049-13          | • • Rod, Tie Long . . . . .                                                                                                      | 1          |
| 36                 | PAOZZ              | 96906       | MS35691-21         | • • Nut, Plain, Hexagon . . . . .                                                                                                | 1          |
| 37                 | XDOZZ              | 73134       | HMX5G              | • • Bearing, Spherical . . . . .                                                                                                 | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                  |            |



M09-789E

Figure 726. Group 80 Yoke Assembly, Elevation  
120103 (02731)

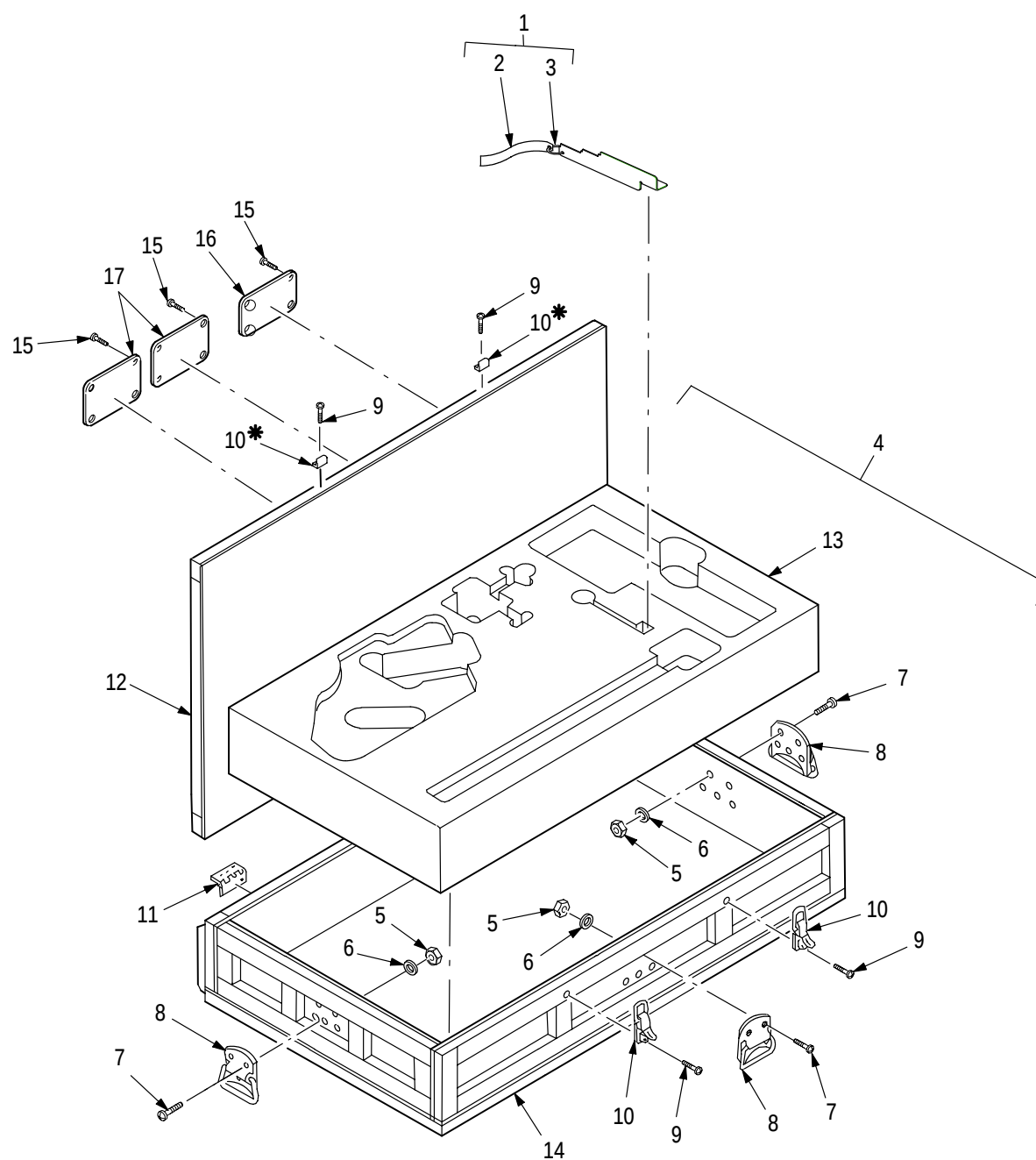
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 726 Yoke Assembly, Elevation<br>120103 (02731)<br>See Fig. 722 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS35206-243        | • Screw, Machine .....                                                                                | 1          |
| 2                  | MFOFF              | 8V613       | 120104             | • Wire Rope Assembly, .....                                                                           | 1          |
| 3                  | PAFZZ              | 96906       | MS16624-4025       | •• Ring, Retaining .....                                                                              | 1          |
| 4                  | XAOZZ              | 8V613       | 120104-1           | •• Cable, Thether .....                                                                               | 1          |
| 5                  | PAFZZ              | 96906       | MS51844-40         | •• Swaging Sleeve, Wire .....                                                                         | 2          |
| 6                  | PAOZZ              | 8V613       | 120090             | • Screw, Thumb, Winch .....                                                                           | 1          |
| 7                  | PAOZZ              | 96906       | MS21044N08         | • Nut, Self-Locking, He .....                                                                         | 1          |
| 8                  | PAOZZ              | 96906       | MS16997-35         | • Screw, Cap, Socket He .....                                                                         | 1          |
| 9                  | XDOZZ              | 8V613       | 120088             | • Handle, Manual Contr .....                                                                          | 1          |
| 10                 | PAOZZ              | 96906       | MS171595           | • Pin, Spring .....                                                                                   | 1          |
| 11                 | XDOZZ              | 8V613       | 120100             | • Hub .....                                                                                           | 1          |
| 12                 | PAOZZ              | 96906       | MS21042-6          | • Nut, Self-Locking, Ex .....                                                                         | 1          |
| 13                 | PAOZZ              | 88044       | AN960C-616         | • Washer, Flat .....                                                                                  | 3          |
| 14                 | PAOZZ              | 80205       | NAS1149C1063R      | • Washer, Flat .....                                                                                  | 3          |
| 15                 | PAOZZ              | 80205       | NAS1306-76H        | • Bolt, Shear .....                                                                                   | 1          |
| 16                 | PAOZZ              | 8V613       | 120102             | • Bushing, Yoke Assy .....                                                                            | 1          |
| 17                 | XDOZZ              | 8V613       | 120101             | • Shaft, Worm Gear .....                                                                              | 1          |
| 18                 | XDOZZ              | 8V613       | 120095             | • Drum, Boom Hoist .....                                                                              | 1          |
| 19                 | XDOZZ              | 8V613       | 120099             | • Gear, Worm .....                                                                                    | 1          |
| 20                 | XDOZZ              | 8V613       | 120096             | • Block, Worm .....                                                                                   | 1          |
| 21                 | XDOZZ              | 8V613       | 120097             | • Worm .....                                                                                          | 1          |
| 22                 | XDOZZ              | 8V613       | 120098             | • Shaft, Worm .....                                                                                   | 1          |
| 23                 | XDOZZ              | 81348       | RRC271             | • Shackle .....                                                                                       | 1          |
| 24                 | XDOZZ              | 8V613       | 120071             | • Line, Boom .....                                                                                    | 1          |
| 25                 | XAOZZ              | 8V613       | 120016             | • Yoke Elevation .....                                                                                | 1          |
| 26                 | PAOZZ              | 88044       | AN535-2-4          | • Screw, Drive .....                                                                                  | 8          |
| 27                 | XDOZZ              | 8V613       | 120113-3           | • Plate, Identificatio .....                                                                          | 1          |
| 28                 | XDOZZ              | 02731       | HS5216-1           | • Plate, Ident .....                                                                                  | 1          |
| 29                 | PAOZZ              | 96906       | MS21318-9          | • Screw, Drive .....                                                                                  | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                                       |            |



M09-793F

Figure 727. Group 80 Rigging Kit, Aircraft (Part 1)  
7-262100003-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 727 Rigging Kit, Aircraft (Part 1)<br>7-262100003-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-262110001        | • Pin Set, Rigging .....                                                                                     | 1          |
| 2                  | AOOOO              | 8V613       | 7-262110001-11     | •• Pin Assembly .....                                                                                        | 3          |
| 2                  | AOOOO              | 8V613       | 7-262110001-27     | •• Pin Assembly .....                                                                                        | 1          |
| 2                  | AOOOO              | 8V613       | 7-262110001-3      | •• Pin Assembly .....                                                                                        | 4          |
| 2                  | AOOOO              | 8V613       | 7-262110001-5      | •• Pin Assembly .....                                                                                        | 1          |
| 2                  | AOOOO              | 8V613       | 7-262110001-7      | •• Pin Assembly .....                                                                                        | 2          |
| 2                  | AOOOO              | 8V613       | 7-262110001-9      | •• Pin Assembly .....                                                                                        | 14         |
| 3                  | PAOZZ              | 80205       | NAS1756-12         | ••• Streamer, Warning .....                                                                                  | 1          |
| 4                  | XDOZZ              | 02731       | HS5333-1000        | ••• Plate, Identification .....                                                                              | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C310        | ••• Pin, Quick Release (U/O P/N 7-262110001-27) .....                                                        | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C315        | ••• Pin, Quick Release (U/O P/N 7-262110001-9) .....                                                         | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C320        | ••• Pin, Quick Release (U/O P/N 7-262110001-7) .....                                                         | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C330        | ••• Pin, Quick Release (U/O P/N 7-262110001-5) .....                                                         | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C340        | ••• Pin, Quick Release (U/O P/N 7-262110001-3) .....                                                         | 1          |
| 5                  | PAOZZ              | 96906       | MS17990C350        | ••• Pin, Quick Release (U/O P/N 7-262110001-11) .....                                                        | 1          |
| 6                  | AOOOO              | 8V613       | 7-262110001-13     | •• Pin Assembly .....                                                                                        | 1          |
| 7                  | PAOZZ              | 80205       | NAS1756-12         | ••• Streamer, Warning .....                                                                                  | 1          |
| 8                  | XDOZZ              | 8V613       | 7-262110001-25     | ••• Ring .....                                                                                               | 1          |
| 9                  | XDOZZ              | 02731       | HS5333-1000        | ••• Plate, Identification .....                                                                              | 1          |
| 10                 | XDOZZ              | 8V613       | 7-262110001-15     | ••• Pin .....                                                                                                | 1          |
| 11                 | AOOOO              | 8V613       | 7-262110001-17     | •• Pin Assembly .....                                                                                        | 1          |
| 12                 | PAOZZ              | 80205       | NAS1756-12         | ••• Streamer, Warning .....                                                                                  | 1          |
| 13                 | XDOZZ              | 02731       | HS5333-1000        | ••• Plate, Identification .....                                                                              | 1          |
| 14                 | XDOZZ              | 8V613       | 7-262110001-19     | ••• Pin Weldment .....                                                                                       | 1          |
| 15                 | XDOZZ              | 8V613       | 7-262110001-25     | ••• Ring .....                                                                                               | 1          |
| 16                 | XDOZZ              | 8V613       | 7-262110041        | • Cover Assembly Cyclic Stick .....                                                                          | 2          |
| 17                 | XDOZZ              | 8V613       | 7-262110042        | • Flag Assembly Coll Stick .....                                                                             | 2          |
| 18                 | XDOZZ              | 8V613       | 7-262110051-13     | • Pouch Rigging Pins .....                                                                                   | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                              |            |



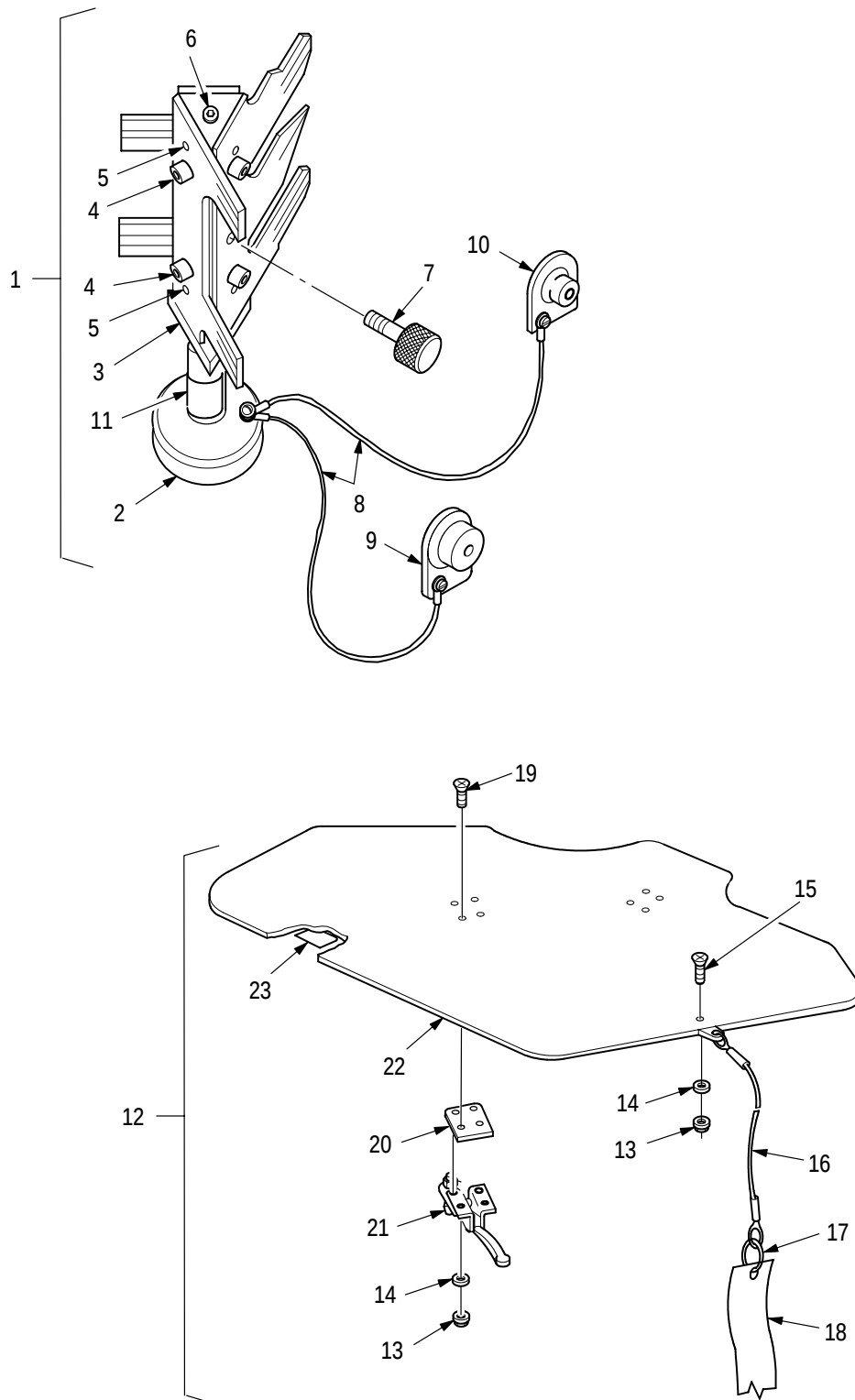
\* SUPPLIED WITH ATTACHED ITEM

M09-794E

Figure 728. Group 80 Rigging Kit, Aircraft (Part 2)  
7-262100003-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 728 Rigging Kit, Aircraft (Part 2)<br>7-262100003-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-262110057-607    | • Tool, Rigging Tail R .....                                                                                 | 1          |
| 2                  | PAOZZ              | 80205       | NAS1756-12         | • • Streamer, Warning .....                                                                                  | 1          |
| 3                  | PAOZZ              | 02731       | HS4954-01          | • • Ring, Retaining .....                                                                                    | 1          |
| 4                  | XDOOO              | 8V613       | 7-262110003-603    | • Container, Rgng Kit .....                                                                                  | 1          |
| 5                  | PAOZZ              | 96906       | MS21044C3          | • • Nut, Self-Locking, He .....                                                                              | 15         |
| 6                  | PAOZZ              | 88044       | AN970-3            | • • Washer, Flat .....                                                                                       | 15         |
| 7                  | PAOZZ              | 96906       | MS51960-68         | • • Screw, Machine .....                                                                                     | 15         |
| 8                  | PAOZZ              | 96906       | MS35791-1          | • • Handle, Bail .....                                                                                       | 3          |
| 9                  | PAOZZ              | 96906       | MS35493-53         | • • Screw, Wood .....                                                                                        | 8          |
| 10                 | XDOZZ              | 02731       | HS5397-0001        | • • Catch, Clamping .....                                                                                    | 2          |
| 11                 | PAOZZ              | 96906       | MS27968-4          | • • Hinge, Butt .....                                                                                        | 3          |
| 12                 | XDOZZ              | 8V613       | 7-262110003-5      | • • Lid Assembly .....                                                                                       | 1          |
| 13                 | XDOZZ              | 8V613       | 7-262110003-33     | • • Filler .....                                                                                             | 1          |
| 14                 | XAOZZ              | 8V613       | 7-262110003-3      | • • Shell Assembly .....                                                                                     | 1          |
| 15                 | PAOZZ              | 96906       | MS35495-2          | • Screw, Wood .....                                                                                          | 12         |
| 16                 | XDOZZ              | 02731       | HS5572-0001        | • Plate, Mounting .....                                                                                      | 1          |
| 17                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                                 | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                              |            |

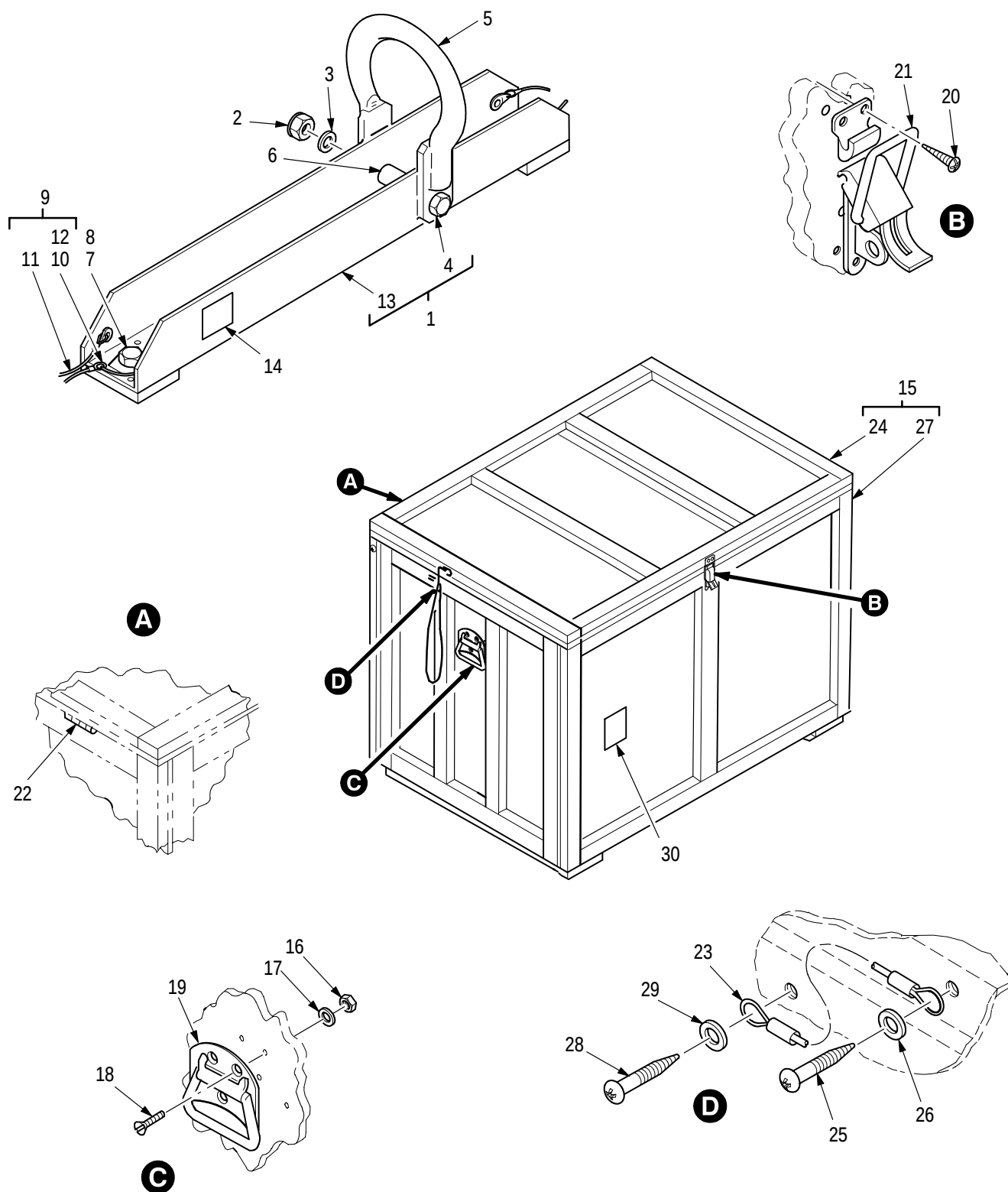




M09-795C

Figure 729. Group 80 Rigging Kit, Aircraft (Part 3)  
7-262100003-607

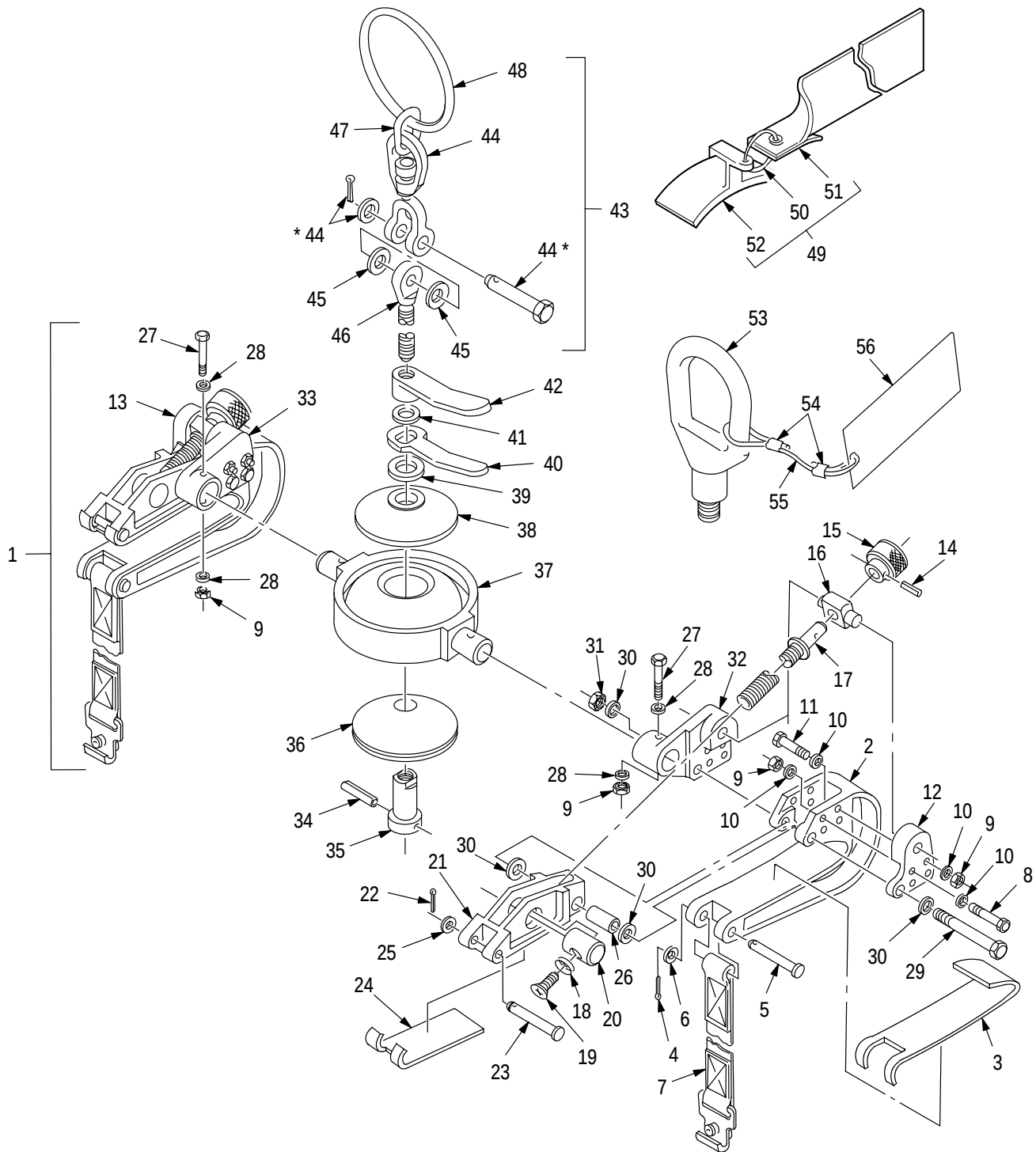
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 729 Rigging Kit, Aircraft (Part 3)<br>7-262100003-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOFF              | 8V613       | 7-362110053        | • Fixture, Rigging .....                                                                                     | 1          |
| 2                  | XDOFF              | 8V613       | 7-362110053-3      | •• Kit, Rigging .....                                                                                        | 1          |
| 3                  | XDFFF              | 8V613       | 7-362110053-13     | ••• Pointer Assembly .....                                                                                   | 1          |
| 4                  | PAFZZ              | 80205       | MS16995-47         | •••• Screw, Cap, Socket He .....                                                                             | 6          |
| 5                  | PAFZZ              | 96906       | MS9390-290         | •••• Pin, Straight, Headle .....                                                                             | 6          |
| 6                  | PAFZZ              | 80205       | NAS1081C8A6        | ••• Setscrew .....                                                                                           | 1          |
| 7                  | PAFZZ              | 99862       | CL-23512           | ••• Thumbscrew .....                                                                                         | 1          |
| 8                  | PAFZZ              | 99862       | CL-63-KA-12        | ••• Wire Rope Assembly, .....                                                                                | 2          |
| 9                  | XDFZZ              | 8V613       | 7-362110053-25     | •• Locator Assembly .....                                                                                    | 1          |
| 10                 | XDFZZ              | 8V613       | 7-362110053-27     | •• Locator Assembly .....                                                                                    | 1          |
| 11                 | XDOZZ              | 02731       | HS4709-2           | •• Plate, Identificatio .....                                                                                | 1          |
| 12                 | XDOOO              | 8V613       | 7-262110052-603    | • Plate, Rgng .....                                                                                          | 1          |
| 13                 | XDOZZ              | 80205       | MS21042L3          | •• Nut, Self-Locking, Ex .....                                                                               | 9          |
| 14                 | PAOZZ              | 80205       | NAS1149F0332P      | •• Washer, Flat .....                                                                                        | 9          |
| 15                 | XDOZZ              | 80205       | NAS517-3-4         | •• Screw, Machine .....                                                                                      | 1          |
| 16                 | PAOZZ              | 02731       | HS4494-4800        | •• Wire Rope Assembly, .....                                                                                 | 1          |
| 17                 | XDOZZ              | 02731       | HS4954-01          | •• Ring, Connecting, Rou .....                                                                               | 1          |
| 18                 | XDOZZ              | 80205       | NAS1756-24         | •• Streamer, Warning .....                                                                                   | 1          |
| 19                 | XDOZZ              | 80205       | NAS517-3-9         | •• Screw, Machine .....                                                                                      | 8          |
| 20                 | XDOZZ              | 8V613       | 7-262110052-5      | •• Spacer .....                                                                                              | 2          |
| 21                 | XDOZZ              | 02731       | HS5082-0001        | •• Clamp, Rim Clenching .....                                                                                | 2          |
| 22                 | XAOZZ              | 8V613       | 7-262110052-7      | •• Plate .....                                                                                               | 1          |
| 23                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....                                                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                              |            |



M09-796F

Figure 730. Group 80 Kit, Sling Set (Part 1) 7-262100005-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 730 Kit, Sling Set (Part 1)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-262110007        | • Sling, Aircraft Main .....                                                                          | 1          |
| 2                  | PAOZZ              | 80205       | MS21042-5          | •• Nut, Self-Locking, Ex .....                                                                        | 1          |
| 3                  | PAOZZ              | 88044       | AN960-516L         | •• Washer, Flat .....                                                                                 | 1          |
| 4                  | PAOZZ              | 80205       | NAS1305-38         | •• Bolt, Shear .....                                                                                  | 1          |
| 5                  | XDOZZ              | 8V613       | 7-262110007-3      | •• Shackle Assembly .....                                                                             | 1          |
| 6                  | PAOZZ              | 80205       | NAS43HT5-137       | •• Spacer, Sleeve .....                                                                               | 1          |
| 7                  | PAOZZ              | 80205       | NAS566-39          | •• Bolt, Machine .....                                                                                | 2          |
| 8                  | PAOZZ              | 02731       | HS4497-6           | •• Push On Nut .....                                                                                  | 2          |
| 9                  | XDOOO              | 8V613       | 7-262110007-19     | •• Lanyard Assembly .....                                                                             | 2          |
| 10                 | PEOZZ              | 8V613       | 7-262110007-11     | ••• Clip, Sling .....                                                                                 | 1          |
| 11                 | XAOZZ              | 8V613       | 7-262110007-17     | ••• Lanyard .....                                                                                     | 1          |
| 12                 | XDOZZ              | 96906       | MS51844-62         | ••• Swaging Sleeve, Wire .....                                                                        | 1          |
| 13                 | XDOZZ              | 8V613       | 7-262110007-13     | •• Beam Assy .....                                                                                    | 1          |
| 14                 | XDOZZ              | 02731       | HS4709-2           | •• Plate, Identificatio .....                                                                         | 1          |
| 15                 | PEOOO              | 8V613       | 7-262110060        | • Shipping and Storag .....                                                                           | 1          |
| 16                 | PAOZZ              | 96906       | MS21044C3          | •• Nut, Self-Locking, He .....                                                                        | 10         |
| 17                 | PAOZZ              | 88044       | AN970-3            | •• Washer, Flat .....                                                                                 | 10         |
| 18                 | PAOZZ              | 96906       | MS51960-68         | •• Screw, Machine .....                                                                               | 10         |
| 19                 | PAOZZ              | 96906       | MS35791-1          | •• Handle, Bail .....                                                                                 | 2          |
| 20                 | PAOZZ              | 96906       | MS35495-66         | •• Screw, Wood .....                                                                                  | 4          |
| 21                 | XDOZZ              | 02731       | HS5397-0001        | •• Catch, Clamping .....                                                                              | 1          |
| 22                 | PAOZZ              | 96906       | MS27968-4          | •• Hinge, Butt .....                                                                                  | 3          |
| 23                 | PAOZZ              | 02731       | HS4494-41800       | •• Lanyard Assembly, Tr .....                                                                         | 2          |
| 24                 | XAOOO              | 8V613       | 7-262110060-5      | •• Lid Assembly .....                                                                                 | 1          |
| 25                 | PAOZZ              | 96906       | MS35495-66         | ••• Screw, Wood .....                                                                                 | 2          |
| 26                 | PAOZZ              | 88044       | AN970-3            | ••• Washer, Flat .....                                                                                | 2          |
| 27                 | XAOOO              | 8V613       | 7-262110060-3      | •• Shell Assembly, Box .....                                                                          | 1          |
| 28                 | PAOZZ              | 96906       | MS35495-66         | ••• Screw, Wood .....                                                                                 | 2          |
| 29                 | PAOZZ              | 88044       | AN970-3            | ••• Washer, Flat .....                                                                                | 2          |
| 30                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....                                                                         | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                       |            |



\* SUPPLIED WITH ATTACHED ITEM

M09-797E

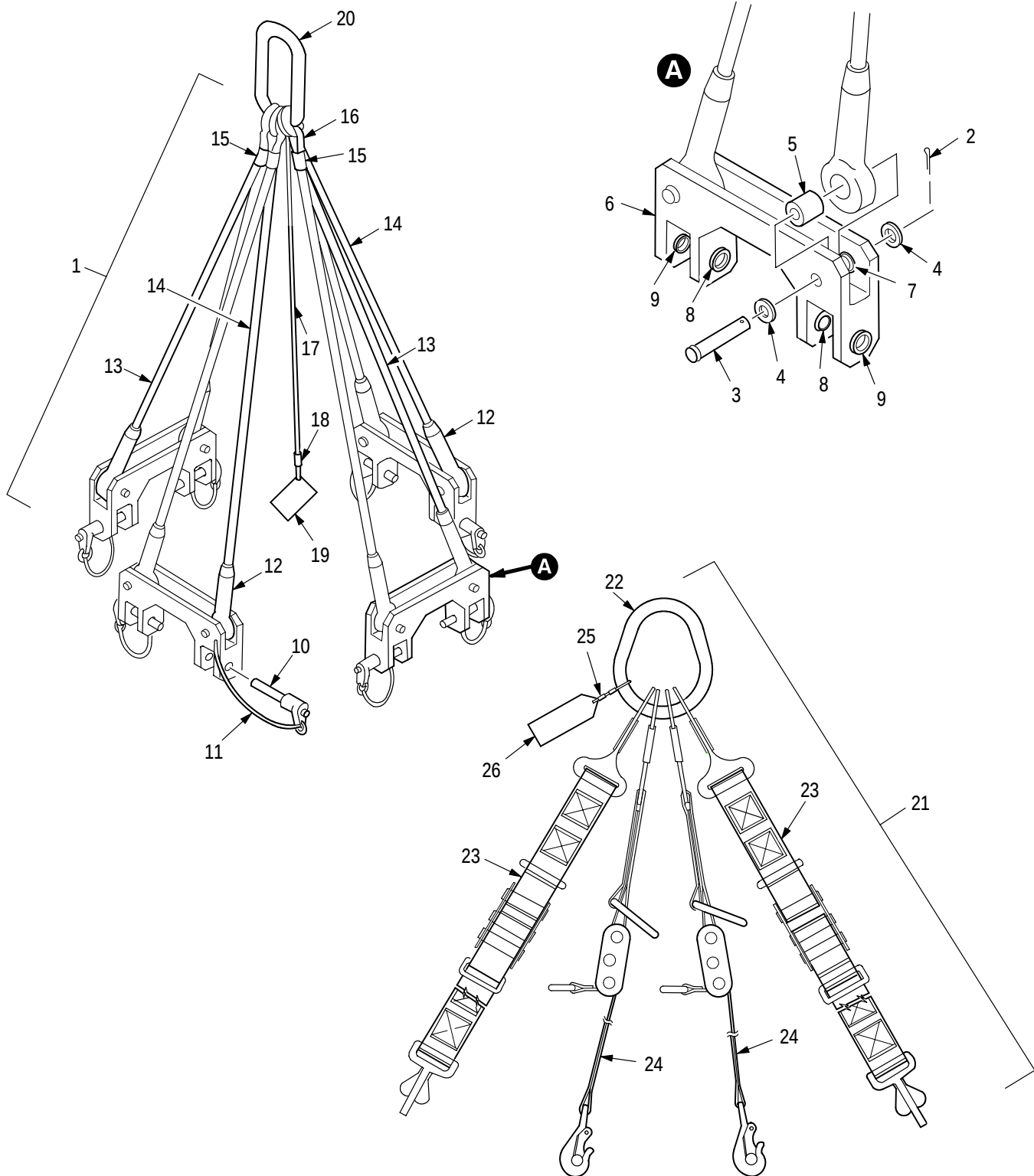
Figure 731. Group 80 Kit, Sling Set (Part 2)  
7-262100005-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER       | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                          | Group 80 Special Tools<br>Fig. 731 Kit, Sling Set (Part 2)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | PEOFF              | 8V613       | 7-362110216              | • Sling Assy Main Rot .....                                                                           | 1          |
| 2                  | XDFFF              | 8V613       | 7-362120169              | •• Lower Beam M/R Slin .....                                                                          | 2          |
| 3                  | XAFZZ              | 8V613       | 7-362120169-5            | ••• Pad .....                                                                                         | 1          |
| 4                  | PAFZZ              | 96906       | MS24665-300              | ••• Pin, Cotter .....                                                                                 | 1          |
| 5                  | PAFZZ              | 96906       | MS20392-5C101            | ••• Pin, Straight, Headed .....                                                                       | 1          |
| 6                  | PAFZZ              | 88044       | AN960C-616               | ••• Washer, Flat .....                                                                                | 1          |
| 7                  | PAOZZ              | 8V613       | 7-362120176              | •• Strap, Webbing .....                                                                               | 1          |
| 8                  | PAOZZ              | 80205       | NAS1304-22               | •• Bolt, Shear .....                                                                                  | 8          |
| 9                  | PAOZZ              | 80205       | MS21044C4                | •• Nut, Self-Locking, He .....                                                                        | 18         |
| 10                 | PAOZZ              | 88044       | AN960C416L               | •• Washer, Flat .....                                                                                 | 32         |
| 11                 | PAOZZ              | 80205       | NAS6604-14               | •• Bolt, Shear .....                                                                                  | 8          |
| 12                 | XDFZZ              | 8V613       | 7-362120171-3            | •• Trunnion Support .....                                                                             | 1          |
| 13                 | XDFZZ              | 8V613       | 7-362120171-4            | •• Trunnion Support .....                                                                             | 1          |
| 14                 | PAOZZ              | 96906       | MS16562-238              | •• Pin, Spring .....                                                                                  | 2          |
| 15                 | PAOZZ              | 8V613       | 7-362120173-9            | •• Knob .....                                                                                         | 2          |
| 16                 | PAFZZ              | 8V613       | 7-362120173-7            | •• Pin, Shoulder, Headle .....                                                                        | 1          |
| 17                 | PAOZZ              | 8V613       | 7-362120173-11           | •• Rod End, Threaded .....                                                                            | 2          |
| 18                 | PAOZZ              | 8V613       | 7-362120173-13           | •• Stop Assembly, Sling .....                                                                         | 2          |
| 19                 | PAOZZ              | 80205       | NAS1102E6-18             | ••• Screw, Machine .....                                                                              | 1          |
| 20                 | PAOZZ              | 8V613       | 7-362120173-5            | •• Nut, Plain, Barrel .....                                                                           | 2          |
| 21                 | XDFFF              | 8V613       | 7-362120170              | •• Pad Assembly .....                                                                                 | 2          |
| 22                 | PAFZZ              | 96906       | MS24665-300              | ••• Pin, Cotter .....                                                                                 | 1          |
| 23                 | PAFZZ              | 96906       | MS20392-5C101            | ••• Pin, Straight, Headed .....                                                                       | 1          |
| 24                 | MFFZZ              | 8V613       | 7-362120170-5            | ••• Rubber Strip .....                                                                                | 1          |
| 25                 | PAFZZ              | 88044       | AN960C-616               | ••• Washer, Flat .....                                                                                | 1          |
| 26                 | XAFZZ              | 02731       | HS610SL6280-502T1<br>375 | ••• Bushing .....                                                                                     | 1          |
| 27                 | PAOZZ              | 80205       | NAS6604-36               | •• Bolt, Shear .....                                                                                  | 2          |
| 28                 | PAOZZ              | 88044       | AN960-416                | •• Washer, Flat .....                                                                                 | 4          |
| 29                 | PAOZZ              | 80205       | NAS1308-70               | •• Bolt, Shear .....                                                                                  | 2          |
| 30                 | PAOZZ              | 43999       | LD153-0010-0018          | •• Washer, Flat .....                                                                                 | 4          |
| 31                 | PAOZZ              | 96906       | MS21044C8                | •• Nut, Self-Locking, He .....                                                                        | 2          |
| 32                 | XDFZZ              | 8V613       | 7-362120172-3            | •• Standoff .....                                                                                     | 1          |
| 33                 | XDFZZ              | 8V613       | 7-362120172-4            | •• Standoff .....                                                                                     | 1          |
| 34                 | PAOZZ              | 96906       | MS16562-256              | •• Pin, Spring .....                                                                                  | 1          |
| 35                 | PAOZZ              | 8V613       | 7-362120173-21           | •• Nut, Sleeve .....                                                                                  | 1          |
| 36                 | XDFZZ              | 8V613       | 7-362120175              | •• Bearing .....                                                                                      | 1          |
| 37                 | XDOZZ              | 8V613       | 7-362130008              | •• Beam, Position .....                                                                               | 1          |
| 38                 | XDOZZ              | 8V613       | 7-362120174              | •• Retainer .....                                                                                     | 1          |
| 39                 | PAOZZ              | 88044       | AN960C1616               | •• Washer, Flat .....                                                                                 | 1          |
| 40                 | XDOZZ              | 8V613       | 7-362120173-23           | •• Handle, Torque .....                                                                               | 1          |
| 41                 | PAOZZ              | 88044       | AN960C1016               | •• Washer, Flat .....                                                                                 | 1          |
| 42                 | XDOZZ              | 8V613       | 7-362120173-25           | •• Handle, Clamp .....                                                                                | 1          |
| 43                 | XDOOO              | 8V613       | 7-362120173-3            | •• Ring Assembly .....                                                                                | 1          |
| 44                 | XDOZZ              | 02731       | HS9017-100               | ••• Swivel, Eye and Jaw .....                                                                         | 1          |
| 45                 | PAOZZ              | 96906       | MS15795-820              | ••• Washer, Flat .....                                                                                | 2          |
| 46                 | PAOZZ              | 8V613       | 7-362120173-27           | ••• Bolt, Eye .....                                                                                   | 1          |
| 47                 | XDOZZ              | 02731       | HS9016-100               | ••• Link, Chain, Connecti .....                                                                       | 1          |

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC) | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------|------------|
| 48                 | XDOZZ              | 8V613       | 7-362120173-19     | • • • Ring Assembly, Sling .....            | 1          |
| 49                 | PEOOO              | 8V613       | 7-262110074        | • Wedge Assembly, Droo M/R .....            | 4          |
| 50                 | XDOZZ              | 02731       | HS4954-01          | • • Ring, Retaining .....                   | 1          |
| 51                 | PAOZZ              | 80205       | NAS1756-24         | • • Streamer, Warning .....                 | 1          |
| 52                 | XDOZZ              | 02731       | HS4709-2           | • • Plate, Identificatio .....              | 1          |
| 53                 | PEOOO              | 8V613       | 7-262110020        | • Bolt, Eye .....                           | 1          |
| 54                 | PAOZZ              | 96906       | MS51844-62         | • • Swaging Sleeve, Wire .....              | 2          |
| 55                 | MFOZZ              | 8V613       | 7-262110020-3      | • • Rope, Wire .....                        | 1          |
| 56                 | XDOZZ              | 02731       | HS5333-1000        | • • Plate, Identificatio .....              | 1          |
| END OF FIGURE      |                    |             |                    |                                             |            |



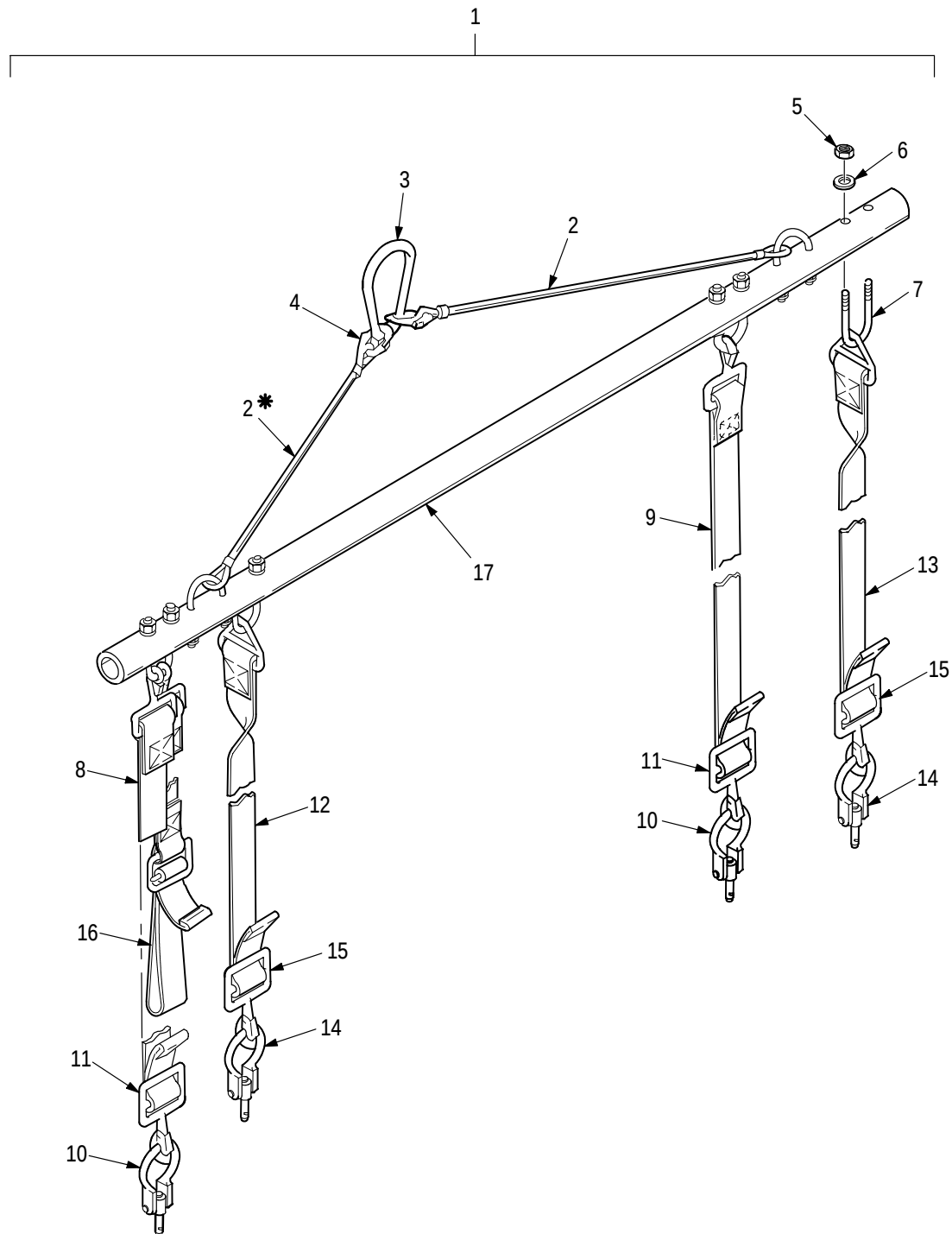




M09-798C

Figure 732. Group 80 Kit, Sling Set (Part 3)  
7-262100005-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER    | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|-----------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                       | Group 80 Special Tools<br>Fig. 732 Kit, Sling Set (Part 3)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-262110009-601       | • Sling Assy, Air Vehi BOI: 1 Auth for 10-25 Ships .....                                              | 1          |
| 2                  | PAOZZ              | 96906       | MS24665-298           | •• Pin, Cotter .....                                                                                  | 8          |
| 3                  | PAOZZ              | 96906       | MS20392-7C65          | •• Pin, Straight, Headed .....                                                                        | 8          |
| 4                  | PAOZZ              | 88044       | AN960C816L            | •• Washer, Flat .....                                                                                 | 16         |
| 5                  | XAOZZ              | 02731       | HS610SP10730R507-875M | •• Bushing, Plain .....                                                                               | 8          |
| 6                  | PEOOO              | 8V613       | 7-262120032           | •• Fitting, Sling Assy .....                                                                          | 4          |
| 7                  | XAOZZ              | 02731       | HS4115C8-24           | ••• Bushing, Sleeve .....                                                                             | 4          |
| 8                  | XAOZZ              | 02731       | HS4115C9-32           | ••• Bushing, Sleeve .....                                                                             | 2          |
| 9                  | XAOZZ              | 02731       | HS4115C9-26           | ••• Bushing, Sleeve .....                                                                             | 2          |
| 10                 | PAOZZ              | 80205       | NAS1339A5C24F         | ••• Pin, Quick Release .....                                                                          | 2          |
| 11                 | PAOZZ              | 02731       | HS5198-4006           | ••• Wire Rope Assembly .....                                                                          | 2          |
| 12                 | XAOZZ              | 8V613       | 7-362120051           | •• Socket, Closed .....                                                                               | 8          |
| 13                 | XAOZZ              | 8V613       | 7-262110009-3         | •• Cable .....                                                                                        | 2          |
| 14                 | XAOZZ              | 8V613       | 7-262110009-5         | •• Cable .....                                                                                        | 2          |
| 15                 | PAOZZ              | 96906       | MS51844-92            | •• Swaging Sleeve, Wire .....                                                                         | 4          |
| 16                 | XAOZZ              | 02731       | HS5220-1500           | •• Thimble, Rope .....                                                                                | 4          |
| 17                 | MOOZZ              | 8V613       | 7-262110009-7         | •• Wire Rope Assembly, .....                                                                          | 1          |
| 18                 | PAOZZ              | 96906       | MS51844-62            | •• Swaging Sleeve, Wire .....                                                                         | 2          |
| 19                 | XDOZZ              | 02731       | HS5216-1              | •• Plate, Ident .....                                                                                 | 1          |
| 20                 | XAOZZ              | 8V613       | 7-362120050           | •• Link Assy, Master .....                                                                            | 1          |
| 21                 | PEOOO              | 8V613       | 7-262110010           | • Sling, Universal, Rot BOI: 1 Auth for 10-25 Ships .....                                             | 1          |
| 22                 | XDOZZ              | 98313       | FD5844-1              | •• Apex, Sling, Hoisting .....                                                                        | 1          |
| 23                 | PEOZZ              | 98313       | FDC5845-3             | •• Leg Assembly, Sling .....                                                                          | 2          |
| 24                 | PEOZZ              | 98313       | FDC5845-4             | •• Leg Assembly, Sling .....                                                                          | 2          |
| 25                 | XDOZZ              | 98313       | FDA7354-1             | •• Cable Assy .....                                                                                   | 1          |
| 26                 | XDOZZ              | 98313       | FD7356-3              | •• Plate, Ident .....                                                                                 | 1          |
| END OF FIGURE      |                    |             |                       |                                                                                                       |            |

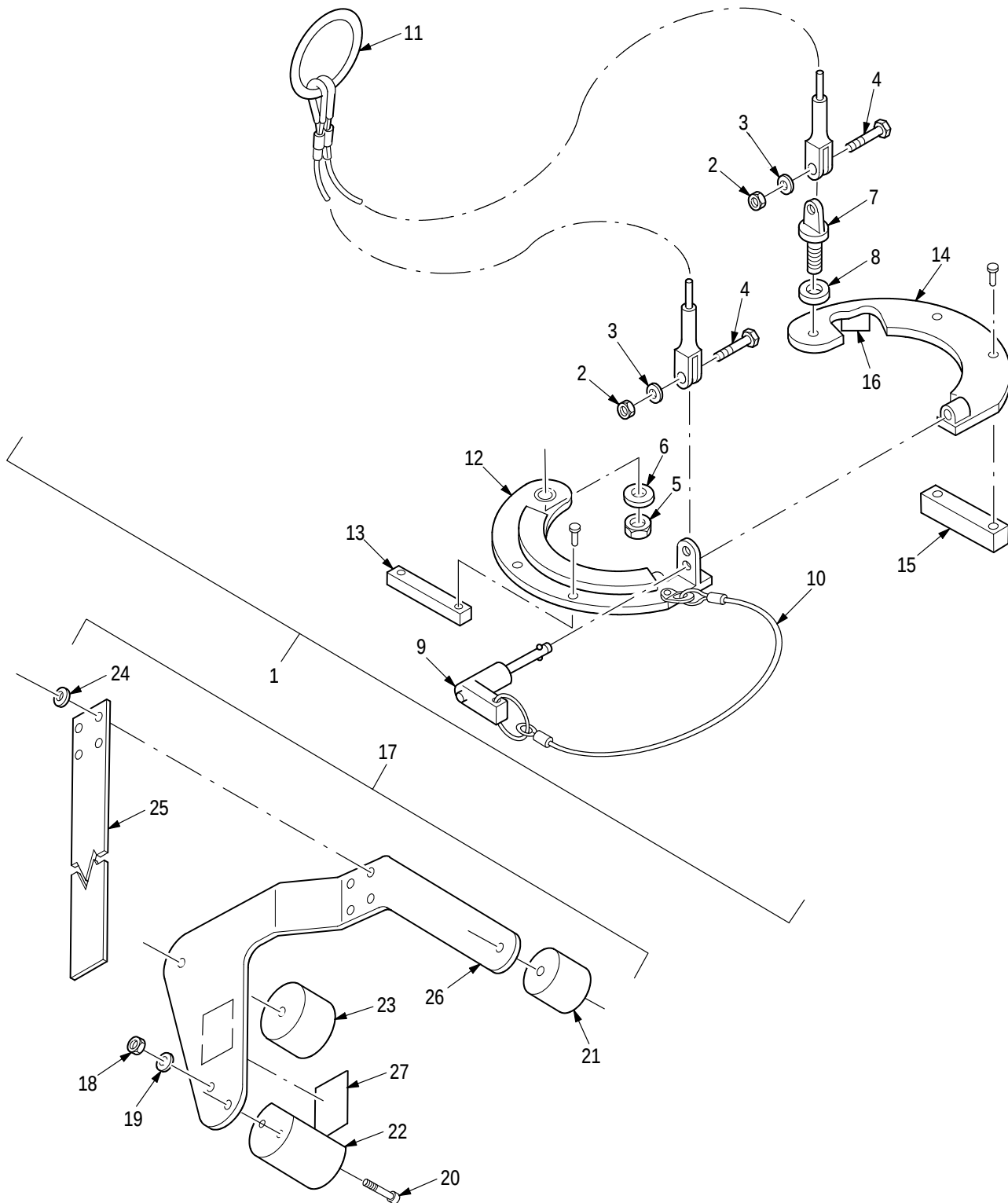


\* SUPPLIED WITH ATTACHED ITEM

M09-1174E

Figure 733. Group 80 Kit, Sling Set (Part 4)  
7-262100005-607

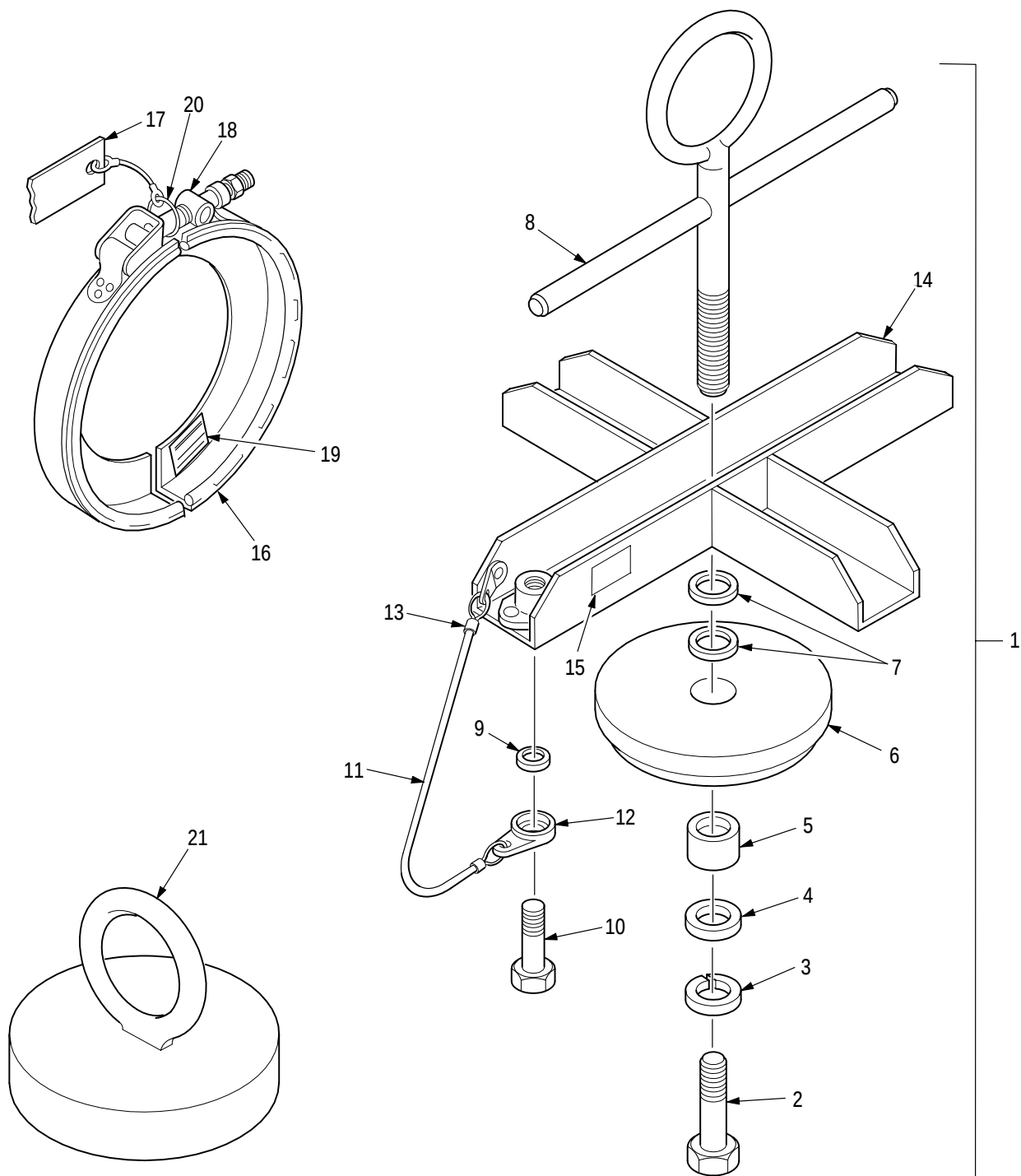
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 733 Kit, Sling Set (Part 4)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | PAOFF              | 8V613       | 7-267310016-603    | • Sling, Aircraft Main .....                                                                          | 1          |
| 2                  | PAFFF              | 8V613       | 7-267310016-45     | •• Wire Rope Assembly .....                                                                           | 1          |
| 3                  | PAFZZ              | 80205       | NAS1049-8          | ••• Link, Chain, End .....                                                                            | 1          |
| 4                  | PAFZZ              | 75535       | A336-1/4           | ••• Link, Chain, Detachab .....                                                                       | 2          |
| 5                  | PAOZZ              | 96906       | MS21042-6          | •• Nut, Self-Locking, Ex .....                                                                        | 12         |
| 6                  | PAOZZ              | 88044       | AN960C-616         | •• Washer, Flat .....                                                                                 | 12         |
| 7                  | PAOZZ              | 80205       | NAS3106C10-22      | •• Bolt, U .....                                                                                      | 6          |
| 8                  | PAFFF              | 8V613       | 7-267310016-47     | •• Strap, Webbing .....                                                                               | 1          |
| 9                  | PAFZZ              | 8V613       | 7-267310016-51     | •• Strap, Webbing .....                                                                               | 1          |
| 10                 | PAOZZ              | 8V613       | 7-367312015-601    | ••• Pin, Quick Release .....                                                                          | 1          |
| 11                 | PAOZZ              | 8V613       | 7-367311041        | ••• Snap Hook .....                                                                                   | 1          |
| 12                 | PAFFF              | 8V613       | 7-267310016-49     | •• Strap, Webbing .....                                                                               | 1          |
| 13                 | PAFZZ              | 8V613       | 7-267310016-53     | •• Strap, Webbing .....                                                                               | 1          |
| 14                 | PAOZZ              | 8V613       | 7-367312015-601    | ••• Pin, Quick Release .....                                                                          | 1          |
| 15                 | PAOZZ              | 8V613       | 7-367311041        | ••• Snap Hook .....                                                                                   | 1          |
| 16                 | PAOZZ              | 8V613       | 7-267310016-31     | •• Strap Assembly, Vert .....                                                                         | 1          |
| 17                 | XDFZZ              | 8V613       | 7-267310016-29     | •• Support, Structural .....                                                                          | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                       |            |



M09-799E

Figure 734. Group 80 Kit, Sling Set (Part 5)  
7-262100005-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 734 Kit, Sling Set (Part 5)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-262110016        | • Sling Assy, Main Rot Driveshaft .....                                                               | 1          |
| 2                  | PAOZZ              | 96906       | MS21083C5          | • • Nut, Self-Locking, He .....                                                                       | 2          |
| 3                  | PAOZZ              | 80205       | NAS1149C0532R      | • • Washer, Flat .....                                                                                | 2          |
| 4                  | PAOZZ              | 88044       | AN25-14            | • • Bolt, Clevis .....                                                                                | 2          |
| 5                  | PAOZZ              | 96906       | MS21083C6          | • • Nut, Self-Locking, He .....                                                                       | 1          |
| 6                  | PAOZZ              | 88044       | AN960C616L         | • • Washer, Flat .....                                                                                | 1          |
| 7                  | PAOZZ              | 88044       | AN46-11            | • • Bolt, Eye .....                                                                                   | 1          |
| 8                  | XDOZZ              | 8V613       | 7-262110016-25     | • • Spacer .....                                                                                      | 1          |
| 9                  | XDOZZ              | 96906       | MS17986C610        | • • Pin, Quick Release .....                                                                          | 1          |
| 10                 | PAOZZ              | 02731       | HS4494-4600        | • • Wire Rope Assembly, .....                                                                         | 1          |
| 11                 | XDOZZ              | 8V613       | 7-262110016-19     | • • Cable Assembly .....                                                                              | 1          |
| 12                 | XDOOO              | 8V613       | 7-262110016-3      | • • Support, Upper .....                                                                              | 1          |
| 13                 | XAOZZ              | 8V613       | 7-262110016-27     | • • • Spacer .....                                                                                    | 1          |
| 14                 | XDOZZ              | 8V613       | 7-262110016-5      | • • Support, Lower .....                                                                              | 1          |
| 15                 | XAOZZ              | 8V613       | 7-262110016-29     | • • • Spacer .....                                                                                    | 1          |
| 16                 | XDOZZ              | 02731       | HS4709-2           | • • Plate, Identificatio .....                                                                        | 1          |
| 17                 | XDOOO              | 8V613       | 7-262110077-19     | • Spreader Assembly .....                                                                             | 1          |
| 18                 | PAOZZ              | 96906       | MS21083C5          | • • Nut, Self-Locking, He .....                                                                       | 4          |
| 19                 | PAOZZ              | 80205       | NAS1149C0532R      | • • Washer, Flat .....                                                                                | 4          |
| 20                 | PAOZZ              | 80205       | NAS1351C5-28       | • • Screw, Cap, Socket He .....                                                                       | 4          |
| 21                 | XDOZZ              | 8V613       | 7-262110077-17     | • • Locator .....                                                                                     | 1          |
| 22                 | XDOZZ              | 8V613       | 7-262110077-7      | • • Locator .....                                                                                     | 1          |
| 23                 | XDOZZ              | 8V613       | 7-262110077-9      | • • Locator .....                                                                                     | 1          |
| 24                 | XDOZZ              | 02731       | HS306-323          | • • Washer, Flat .....                                                                                | 4          |
| 25                 | XDOOO              | 8V613       | 7-262110077-15     | • • Strap Assembly .....                                                                              | 1          |
| 26                 | XDOZZ              | 8V613       | 7-262110077-11     | • • Plate .....                                                                                       | 1          |
| 27                 | XDOZZ              | 02731       | HS5216-2           | • • Plate, Identificatio .....                                                                        | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                       |            |

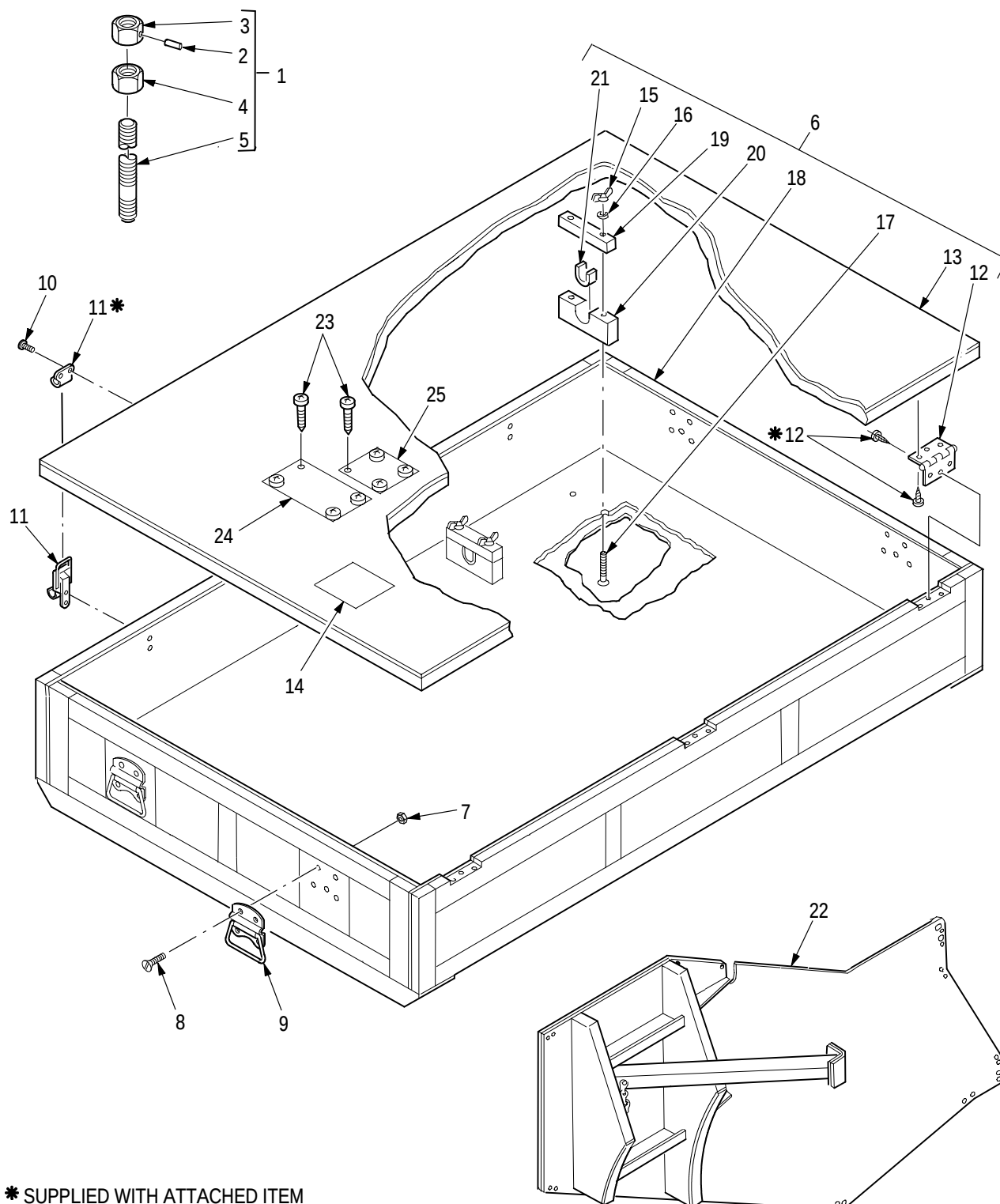


M09-800D

Figure 735. Group 80 Kit, Sling Set (Part 6)  
7-262100005-607

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 735 Kit, Sling Set (Part 6)<br>7-262100005-607<br>See Fig. 714 for NHA |            |
| 1                  | XDOFF              | 8V613       | 7-262110034        | • Puller, Sling, Main M/R .....                                                                       | 1          |
| 2                  | XDOZZ              | 80205       | NAS1306-12         | •• Bolt, Shear .....                                                                                  | 1          |
| 3                  | PAOZZ              | 96906       | MS35338-46         | •• Washer, Lock .....                                                                                 | 1          |
| 4                  | PAOZZ              | 88044       | AN970-6            | •• Washer, Flat .....                                                                                 | 1          |
| 5                  | PAOZZ              | 80205       | NAS42HT12-48       | •• Spacer, Sleeve .....                                                                               | 1          |
| 6                  | XDOZZ              | 8V613       | 7-262110034-11     | •• Plate .....                                                                                        | 1          |
| 7                  | PAOZZ              | 80205       | NAS1515M10H        | •• Washer, Flat .....                                                                                 | 2          |
| 8                  | XDOZZ              | 8V613       | 7-262110034-3      | •• Jackscrew Assembly .....                                                                           | 1          |
| 9                  | PAOZZ              | 96906       | MS16624-4050       | •• Ring, Retaining .....                                                                              | 2          |
| 10                 | PAOZZ              | 80205       | NAS1308-15         | •• Bolt, Shear .....                                                                                  | 2          |
| 11                 | XDOOO              | 8V613       | 7-262110034-33     | •• Lanyard, Sling .....                                                                               | 2          |
| 12                 | XDOZZ              | 8V613       | 7-262110034-27     | •• Clip .....                                                                                         | 1          |
| 13                 | PAOZZ              | 96906       | MS51844-62         | •• Swaging Sleeve, Wire .....                                                                         | 1          |
| 14                 | XDFZZ              | 8V613       | 7-262110034-5      | •• Support Assembly .....                                                                             | 1          |
| 15                 | XDOZZ              | 02731       | HS4709-2           | •• Plate, Identification .....                                                                        | 1          |
| 16                 | XDOOO              | 8V613       | 7-262120002-13     | • Retainer, Bearing .....                                                                             | 1          |
| 17                 | PAOZZ              | 80205       | NAS1091A30H        | •• Streamer, Warning .....                                                                            | 1          |
| 18                 | XAOZZ              | 02731       | HS5089-0001        | •• Coupler, Clamp Band .....                                                                          | 1          |
| 19                 | XDOZZ              | 02731       | HS4709-2           | •• Plate, Identification .....                                                                        | 1          |
| 20                 | PAOZZ              | 96906       | MS16624-4050       | •• Ring, Retaining .....                                                                              | 2          |
| 21                 | XDOZZ              | 8V613       | 7-362110021        | • Sling Assembly .....                                                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                       |            |



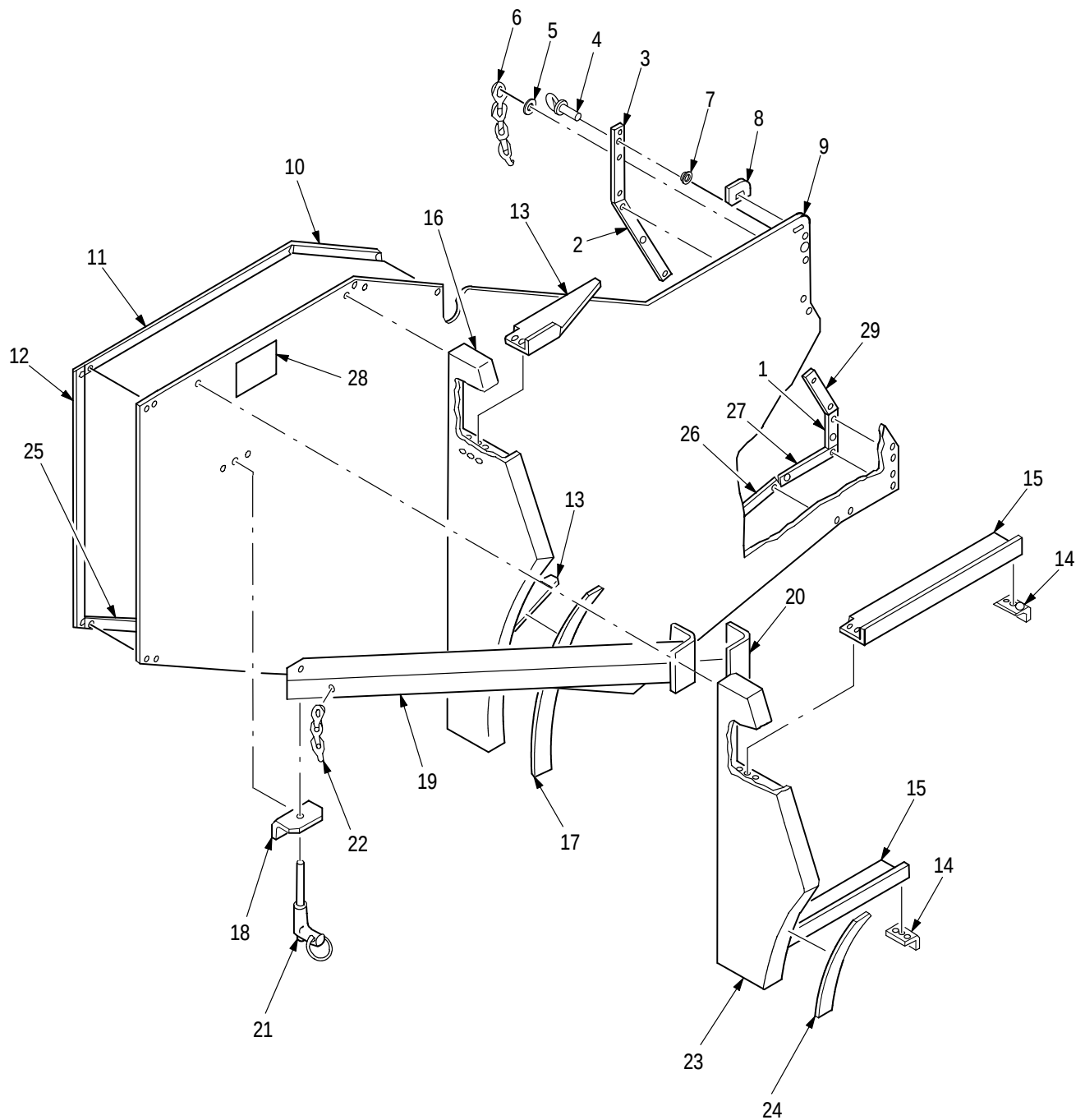


\* SUPPLIED WITH ATTACHED ITEM

M09-801D

Figure 736. Group 80 Transmission Kit, Removal and Installation  
7-262100006-601

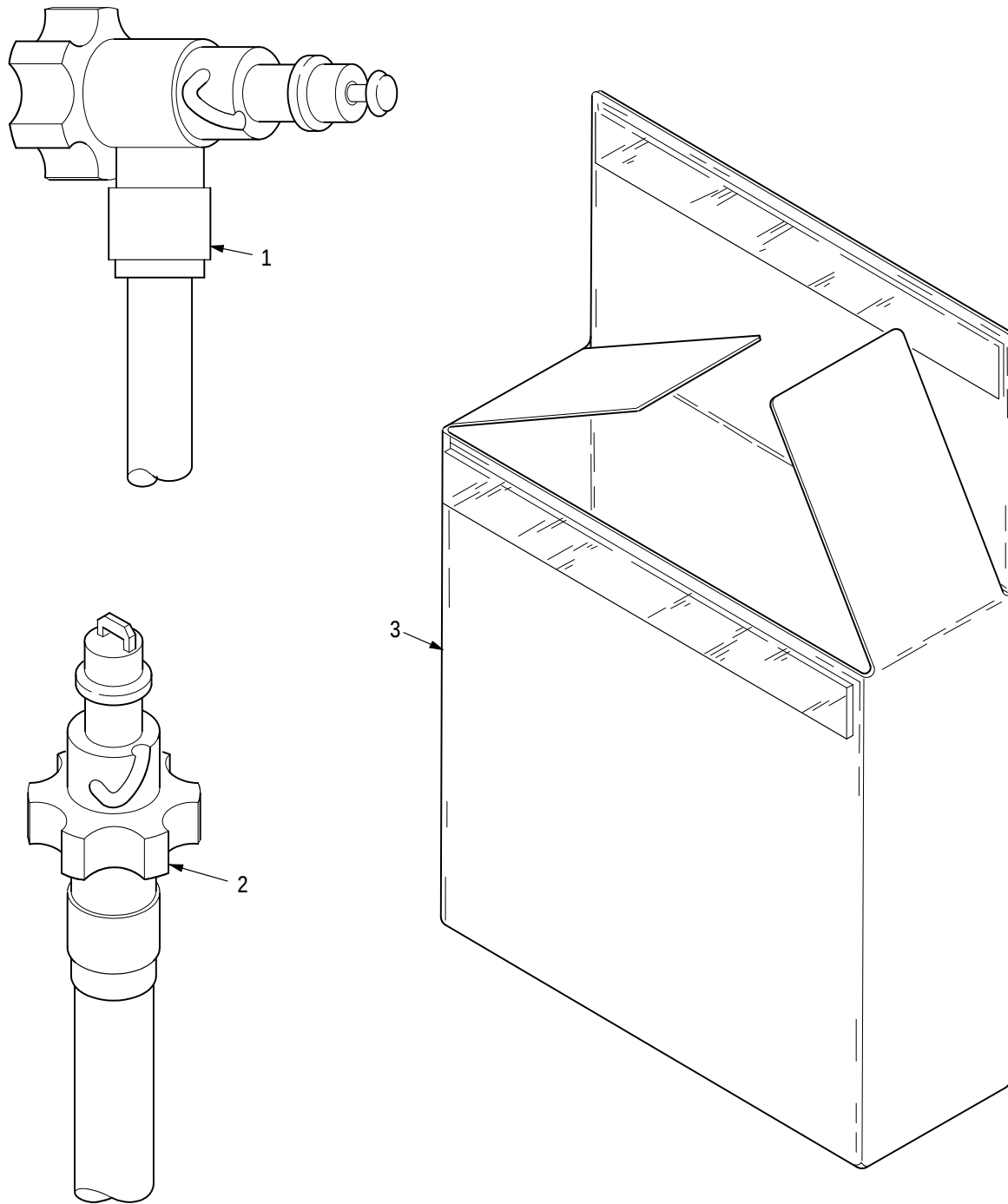
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                 | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 736 Transmission Kit,<br>Removal and Installation<br>7-262100006-601<br>See Fig. 714 for NHA |            |
| 1                  | PBOOO              | 8V613       | 7-262110015        | • Jack Screw, Transmis BOI: 1 Auth for 10-25 Ships . . . . .                                                                | 3          |
| 2                  | PAOZZ              | 96906       | MS16562-34         | • • Pin, Spring . . . . .                                                                                                   | 1          |
| 3                  | PAOZZ              | 8V613       | 7-262110015-7      | • • Nut, Plain, Hexagon . . . . .                                                                                           | 1          |
| 4                  | PAOZZ              | 8V613       | 7-262110015-5      | • • Nut, Plain, Hexagon . . . . .                                                                                           | 1          |
| 5                  | PAOZZ              | 8V613       | 7-262110015-3      | • • Jack Screw . . . . .                                                                                                    | 1          |
| 6                  | XDOOO              | 8V613       | 7-262110026        | • Box Assembly . . . . .                                                                                                    | 1          |
| 7                  | PAOZZ              | 02731       | HS5285-0420        | • • Nut, Plain, Plate . . . . .                                                                                             | 20         |
| 8                  | PAOZZ              | 96906       | MS51959-84         | • • Screw, Machine . . . . .                                                                                                | 20         |
| 9                  | PAOZZ              | 96906       | MS35791-1          | • • Handle, Bail . . . . .                                                                                                  | 4          |
| 10                 | PAOZZ              | 96906       | MS35495-66         | • • Screw, Wood . . . . .                                                                                                   | 8          |
| 11                 | XAOZZ              | 02731       | HS5397-0001        | • • Catch, Clamping . . . . .                                                                                               | 2          |
| 12                 | PAOZZ              | 96906       | MS27968-8          | • • Hinge, Butt . . . . .                                                                                                   | 3          |
| 13                 | XDOZZ              | 8V613       | 7-262110026-11     | • • Lid Assembly . . . . .                                                                                                  | 1          |
| 14                 | XDOZZ              | 02731       | HS5216-2           | • • Plate, Identificatio . . . . .                                                                                          | 1          |
| 15                 | PAOZZ              | 96906       | MS35425-70         | • • Nut, Plain, Wing . . . . .                                                                                              | 4          |
| 16                 | PAOZZ              | 88044       | AN960-416          | • • Washer, Flat . . . . .                                                                                                  | 4          |
| 17                 | PAOZZ              | 96906       | MS35751-202        | • • Bolt, Square Neck . . . . .                                                                                             | 4          |
| 18                 | XDOOO              | 8V613       | 7-262110026-21     | • • Box . . . . .                                                                                                           | 1          |
| 19                 | MFOZZ              | 8V613       | 7-262110026-49     | • • • Latch . . . . .                                                                                                       | 2          |
| 20                 | MFOZZ              | 8V613       | 7-262110026-53     | • • • Block, Base . . . . .                                                                                                 | 2          |
| 21                 | MFOZZ              | 8V613       | 7-262110026-57     | • • • Pad, Rubber . . . . .                                                                                                 | 1          |
| 22                 | XDOOO              | 8V613       | 7-362110014        | • Platform (See Fig. 737 for Breakdown) . . . . .                                                                           | 1          |
| 23                 | PAOZZ              | 96906       | MS35495-2          | • Screw, Wood . . . . .                                                                                                     | 8          |
| 24                 | XDOZZ              | 02731       | HS5572-0001        | • Plate, Mounting . . . . .                                                                                                 | 1          |
| 25                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio . . . . .                                                                                            | 2          |
| END OF FIGURE      |                    |             |                    |                                                                                                                             |            |



M09-802B

Figure 737. Group 80 Platform, Main Transmission Removal and Installation  
7-362110014

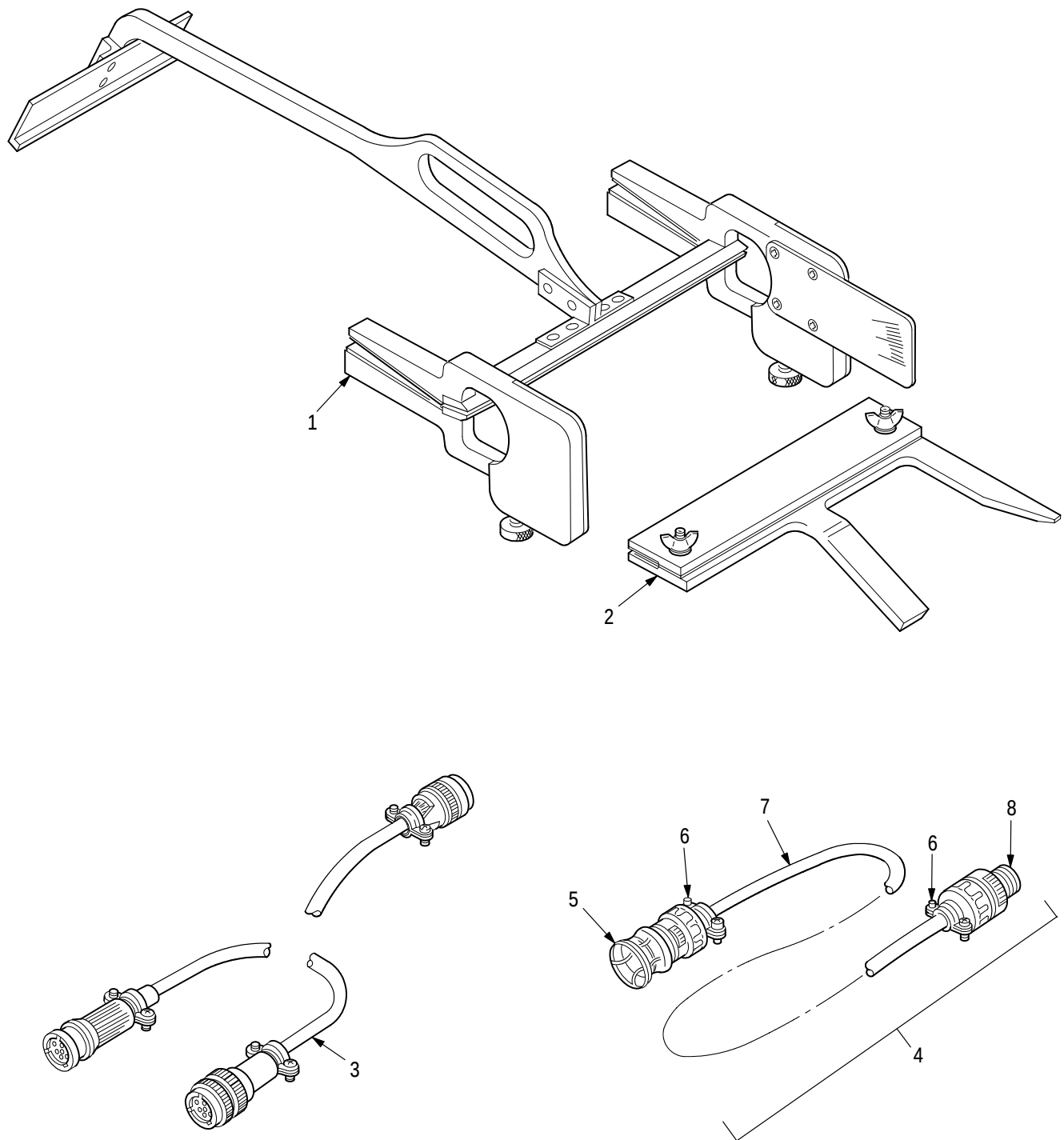
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 737 Platform, Main Transmission<br>Removal and Installation<br>7-362110014<br>See Fig. 736 for NHA |            |
| 1                  | MFOZZ              | 8V613       | 7-362110014-19     | • Edge .....                                                                                                                      | 1          |
| 2                  | MFOZZ              | 8V613       | 7-362110014-41     | • Edge .....                                                                                                                      | 1          |
| 3                  | MFOZZ              | 8V613       | 7-362110014-25     | • Edge .....                                                                                                                      | 1          |
| 4                  | PAOZZ              | 88044       | AN43B6             | • Bolt, Eye .....                                                                                                                 | 1          |
| 5                  | PAOZZ              | 80205       | NAS620C5           | • Washer, Flat .....                                                                                                              | 2          |
| 6                  | PAOZZ              | 02731       | HS1439B060HS-3     | • Chain Assembly, Sing .....                                                                                                      | 1          |
| 7                  | PAOZZ              | 96906       | MS51830-202        | • Insert, Screw Thread .....                                                                                                      | 1          |
| 8                  | MFOZZ              | 8V613       | 7-362110014-27     | • Doubler .....                                                                                                                   | 1          |
| 9                  | XAOZZ              | 8V613       | 7-362110014-3      | • Plate, Base .....                                                                                                               | 1          |
| 10                 | MFOZZ              | 8V613       | 7-362110014-5      | • Edge .....                                                                                                                      | 1          |
| 11                 | MFOZZ              | 8V613       | 7-362110014-7      | • Edge .....                                                                                                                      | 1          |
| 12                 | MFOZZ              | 8V613       | 7-362110014-9      | • Edge .....                                                                                                                      | 1          |
| 13                 | XAOZZ              | 8V613       | 7-362110014-37     | • Support .....                                                                                                                   | 2          |
| 14                 | MFOZZ              | 8V613       | 7-362110014-33     | • Clip .....                                                                                                                      | 2          |
| 15                 | MFOZZ              | 8V613       | 7-362110014-35     | • Stiffener .....                                                                                                                 | 2          |
| 16                 | XDOOO              | 8V613       | 7-362120043        | • Support .....                                                                                                                   | 1          |
| 17                 | MFOZZ              | 8V613       | 7-362120043-5      | • Pad .....                                                                                                                       | 1          |
| 18                 | MFOZZ              | 8V613       | 7-362110014-29     | • Bracket, Platform, Ma .....                                                                                                     | 1          |
| 19                 | XDOOO              | 8V613       | 7-362120045        | • Support Assembly .....                                                                                                          | 1          |
| 20                 | MFOZZ              | 8V613       | 7-362120045-7      | • Pad .....                                                                                                                       | 1          |
| 21                 | PAOZZ              | 80205       | NAS1334A5C19D      | • Pin, Quick Release .....                                                                                                        | 1          |
| 22                 | PAOZZ              | 02731       | HS1439B080H-3      | • Chain Assembly, Sing .....                                                                                                      | 1          |
| 23                 | XDOOO              | 8V613       | 7-362120044        | • Support .....                                                                                                                   | 1          |
| 24                 | MFOZZ              | 8V613       | 7-362120044-5      | • Pad .....                                                                                                                       | 1          |
| 25                 | MFOZZ              | 8V613       | 7-362110014-13     | • Edge .....                                                                                                                      | 1          |
| 26                 | MFOZZ              | 8V613       | 7-362110014-15     | • Edge .....                                                                                                                      | 1          |
| 27                 | MFOZZ              | 8V613       | 7-362110014-17     | • Edge .....                                                                                                                      | 1          |
| 28                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                                                      | 1          |
| 29                 | MFOZZ              | 8V613       | 7-362110014-39     | • Edge .....                                                                                                                      | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                   |            |



M09-803

Figure 738. Group 80 Kit, Lube Drain Hose  
7-262100007

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 738 Kit, Lube Drain Hose<br>7-262100007<br>See Fig. 714 for NHA |            |
| 1                  | XDOZZ              | 02731       | HS5204-1-8000      | • Hose Assembly .....                                                                          | 1          |
| 2                  | XDOZZ              | 02731       | HS4393-1-8400      | • Hose Assembly .....                                                                          | 1          |
| 3                  | PAFZZ              | 8V613       | 7-262110050        | • Pouch, Lube Drain Ho .....                                                                   | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                |            |

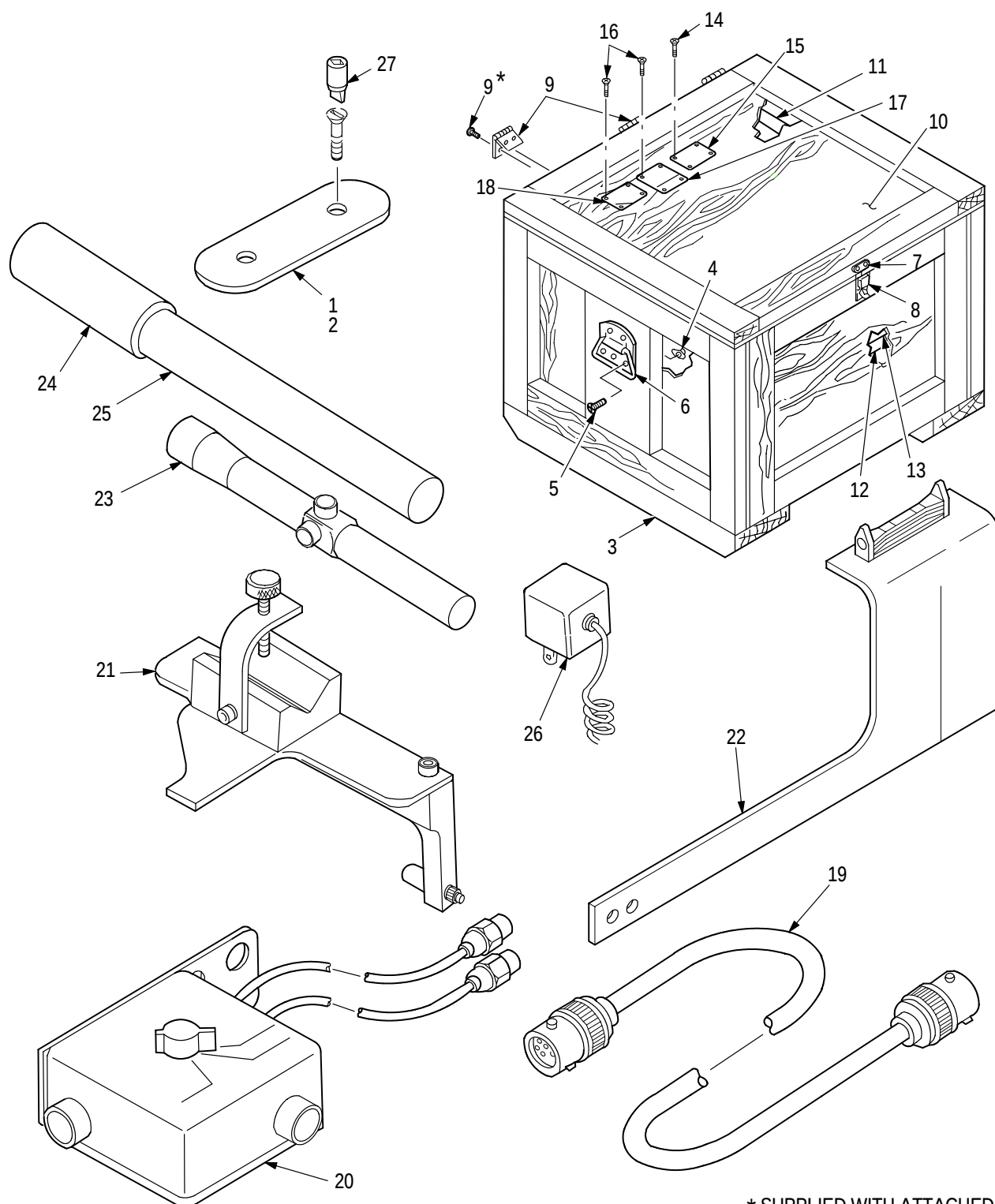


M09-804F

Figure 739. Group 80 Test Equipment, Helicopter (Part 1)  
7-262100008-613

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 739 Test Equipment, Helicopter (Part 1)<br>7-262100008-613<br>See Fig. 715 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-362110224-41     | • Gage, Tab Bending To (See Fig. 741 for Breakdown) . . . . .                                                     | 1          |
| 2                  | XDOOO              | 8V613       | 7-362110224-43     | • Tab Bending Tool, Ma (See Fig. 741 for Breakdown) . . . . .                                                     | 1          |
| 3                  | XDOZZ              | 8V613       | 7-362110211        | • Adapter, Pwr Cord Tr . . . . .                                                                                  | 1          |
| 4                  | MFOFF              | 8V613       | 7-362100092        | • Cable Assy, Extensio . . . . .                                                                                  | 1          |
| 5                  | PAFZZ              | 96906       | MS3107A16S-1S      | •• Connector, Plug, Elec . . . . .                                                                                | 1          |
| 6                  | PAFZZ              | 81349       | M85049/2-8C        | •• Clamp, Cable, Electri . . . . .                                                                                | 2          |
| 7                  | MFFZZ              | 81349       | WM85/U             | •• Cable, Special Purpo . . . . .                                                                                 | V          |
| 8                  | PAFZZ              | 96906       | MS3451W16S-1S      | •• Connector, Plug, Elec . . . . .                                                                                | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                   |            |



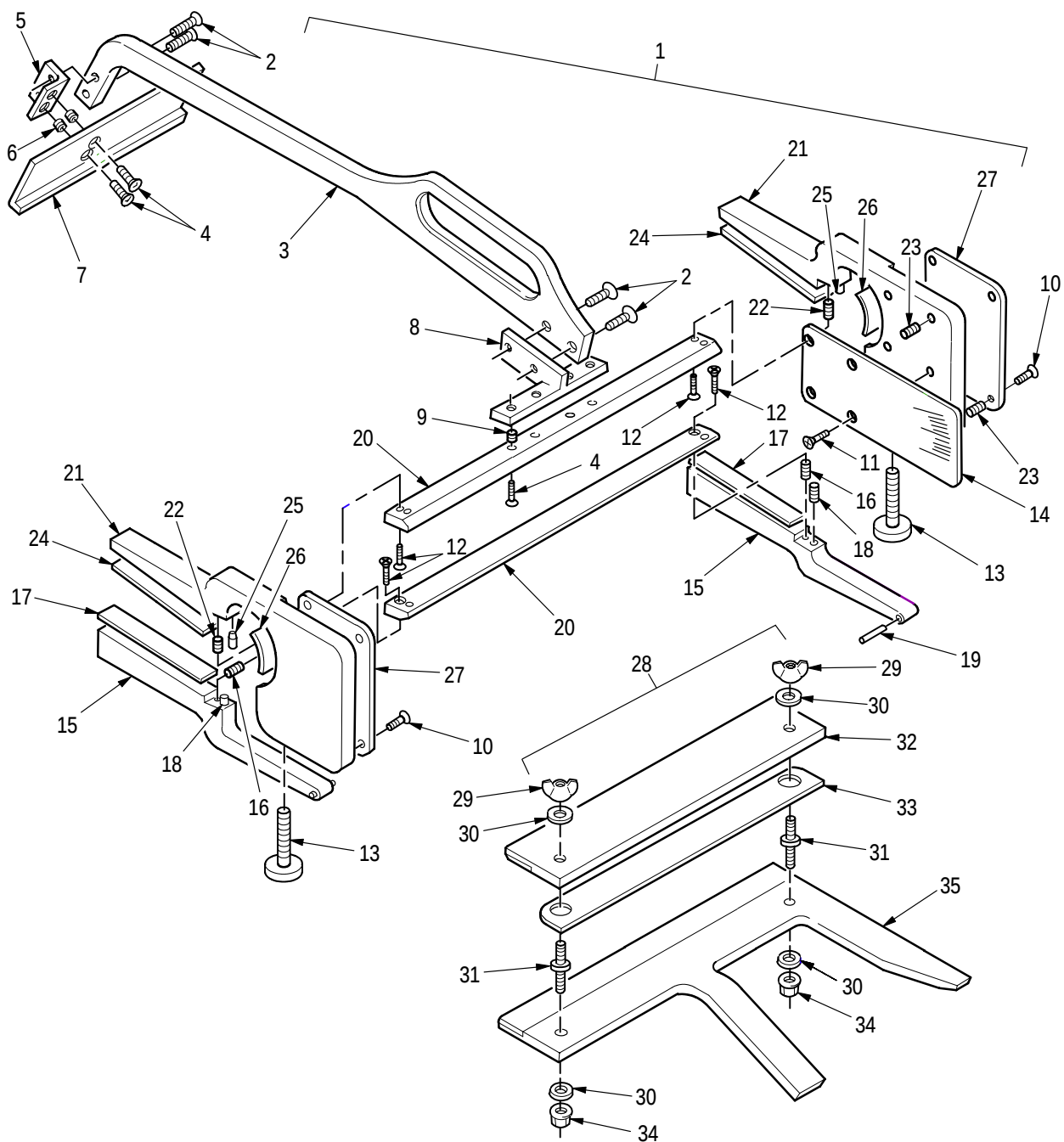


\* SUPPLIED WITH ATTACHED ITEM

M09-805F

Figure 740. Group 80 Test Equipment, Helicopter (Part 2)  
7-262100008-613

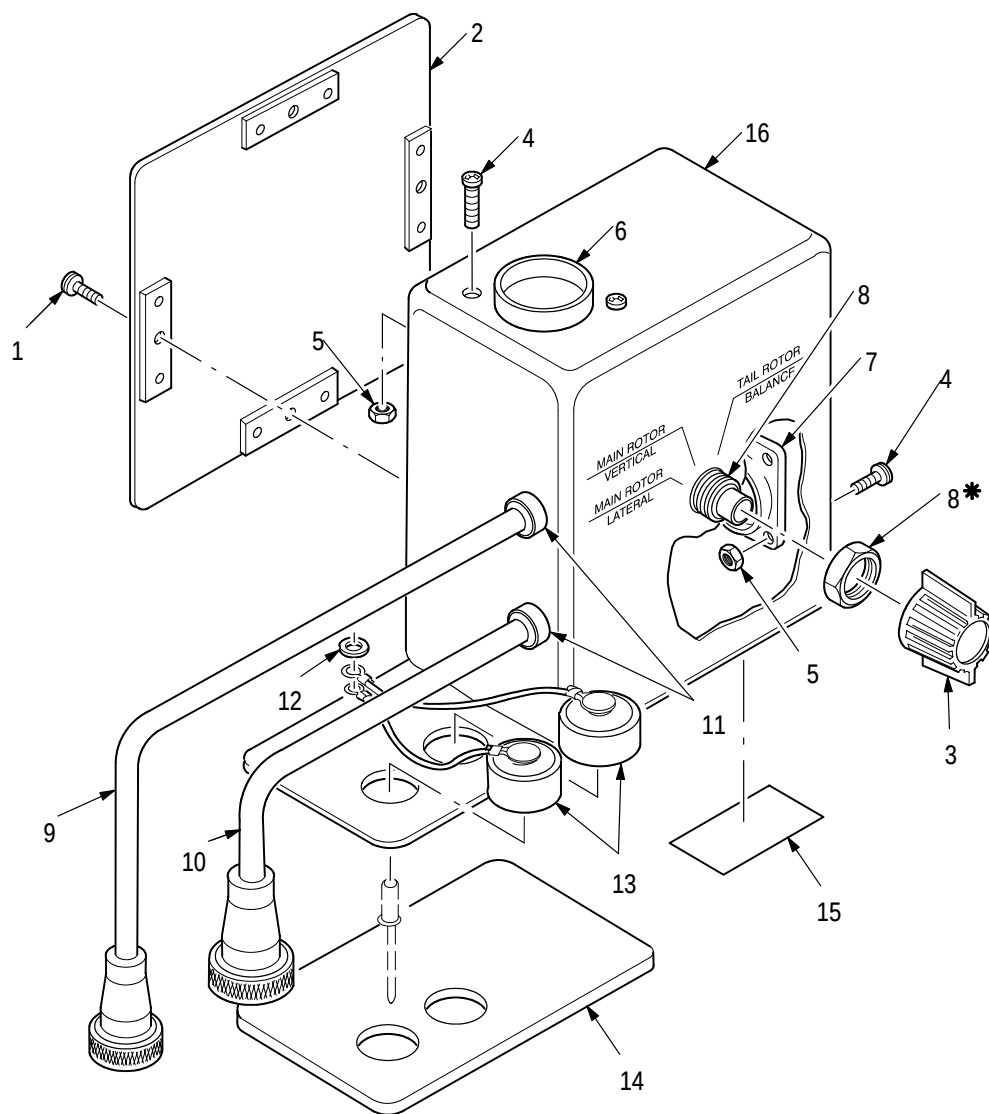
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 740 Test Equipment, Helicopter (Part 2)<br>7-262100008-613<br>See Fig. 715 for NHA |            |
| 1                  | PAOZZ              | 8V613       | 7-262110071-3      | • Weight, Counterbalan .....                                                                                      | 50         |
| 2                  | PAOOO              | 8V613       | 7-262110071-5      | • Weight, Counterbalan .....                                                                                      | 10         |
| 3                  | XDFFF              | 8V613       | 7-262110073-605    | • Container Assy .....                                                                                            | 1          |
| 4                  | PAFZZ              | 02731       | HS5285-1032        | • • Nut, Plain, Plate .....                                                                                       | 10         |
| 5                  | PAFZZ              | 96906       | MS51960-70         | • • Screw, Machine .....                                                                                          | 10         |
| 6                  | PAFZZ              | 96906       | MS35791-1          | • • Handle, Bail .....                                                                                            | 2          |
| 7                  | PAOZZ              | 96906       | MS35495-66         | • • Screw, Wood .....                                                                                             | 4          |
| 8                  | PAFZZ              | 02731       | HS5397-0001        | • • Catch, Clamping .....                                                                                         | 1          |
| 9                  | PAFZZ              | 96906       | MS27968-4          | • • Hinge, Butt .....                                                                                             | 3          |
| 10                 | XAFZZ              | 8V613       | 7-262110073-5      | • Lid Assembly .....                                                                                              | 1          |
| 11                 | XDFZZ              | 8V613       | 7-262110073-43     | • Spacer .....                                                                                                    | 4          |
| 12                 | XDFZZ              | 8V613       | 7-262110073-67     | • Insert .....                                                                                                    | 1          |
| 13                 | MFFZZ              | 8V613       | 7-262110073-39     | • Pad .....                                                                                                       | 1          |
| 14                 | PAOZZ              | 96906       | MS35495-2          | • • Screw, Wood .....                                                                                             | 4          |
| 15                 | XDOZZ              | 02731       | HS5216-2           | • • Plate, Identificatio .....                                                                                    | 1          |
| 16                 | PAOZZ              | 96906       | MS35495-2          | • Screw, Wood .....                                                                                               | 4          |
| 17                 | XDOZZ              | 02731       | HS5572-0001        | • Plate, Mounting .....                                                                                           | 1          |
| 18                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                                      | 1          |
| 19                 | XDOZZ              | 8V613       | 7-262110080        | • Cable, Adapter .....                                                                                            | 1          |
| 20                 | XDOFF              | 8V613       | 7-262110082        | • Box Assy, Switch (See Fig. 742 for Breakdown) .....                                                             | 1          |
| 21                 | XDOOO              | 8V613       | 7-362110225-19     | • Phase Tool Assembly (See Fig. 743 for Breakdown) .....                                                          | 1          |
| 22                 | XDOZZ              | 8V613       | 7-362110225-3      | • Target Assembly .....                                                                                           | 1          |
| 23                 | PAOZZ              | 02731       | HS5462-0001        | • Telescope, Straight .....                                                                                       | 1          |
| 24                 | PAOZZ              | 54489       | 100B               | • Battery Assembly .....                                                                                          | 1          |
| 25                 | PAOZZ              | 54489       | LFS250-1           | • Laser, Solid State .....                                                                                        | 1          |
| 26                 | PAOZZ              | 54489       | 100D               | • Transformer, Power .....                                                                                        | 1          |
| 27                 | PBOZZ              | 73197       | HTS3               | • Screwdriver, Attachm .....                                                                                      | V          |
| END OF FIGURE      |                    |             |                    |                                                                                                                   |            |



M09-1238B

Figure 741. Group 80 Tab Bending Tool and Gage

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 741 Tab Bending Tool and Gage<br>See Fig. 739 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-362110224-41     | • Gage, Tab Bending To . . . . .                                                     | 1          |
| 2                  | PAOZZ              | 80205       | NAS514P832-12      | • • Screw, Machine . . . . .                                                         | 4          |
| 3                  | XAOZZ              | 8V613       | 7-362110224-3      | • • Arm, Tab Bending Too . . . . .                                                   | 1          |
| 4                  | PAOZZ              | 96906       | MS24693-S51        | • • Screw, Machine . . . . .                                                         | 6          |
| 5                  | XDOOO              | 8V613       | 7-362110224-7      | • • Adapter, Front . . . . .                                                         | 1          |
| 6                  | PAOZZ              | 96906       | MS51830-104        | • • • Insert, Screw Thread . . . . .                                                 | 4          |
| 7                  | XDOZZ              | 8V613       | 7-362110224-5      | • • Stop, Tab Bending To . . . . .                                                   | 1          |
| 8                  | XDOOO              | 8V613       | 7-362110224-9      | • • Adapter, Rear . . . . .                                                          | 1          |
| 9                  | PAOZZ              | 96906       | MS51830-104        | • • • Insert, Screw Thread . . . . .                                                 | 6          |
| 10                 | PAOZZ              | 80205       | NAS514P832-8       | • • Screw, Machine . . . . .                                                         | 8          |
| 11                 | PAOZZ              | 80205       | NAS514P440-7       | • • Screw, Machine . . . . .                                                         | 4          |
| 12                 | PAOZZ              | 80205       | NAS514P440-8P      | • • Screw, Machine . . . . .                                                         | 8          |
| 13                 | PAOZZ              | 02731       | HS5137-0420        | • • Thumbscrew . . . . .                                                             | 2          |
| 14                 | XDOZZ              | 8V613       | 7-362110224-17     | • • Placard, Tab Bending . . . . .                                                   | 1          |
| 15                 | XDOOO              | 8V613       | 7-362110224-47     | • • Arm Clamp . . . . .                                                              | 2          |
| 16                 | PAOZZ              | 96906       | MS51830-102        | • • • Insert, Screw Thread . . . . .                                                 | 1          |
| 17                 | MOOZZ              | 8V613       | 7-362110224-35     | • • • Pad, Housing Arm . . . . .                                                     | 1          |
| 18                 | PAOZZ              | 80205       | NAS607-3-5P        | • • • Pin, Straight, Headle . . . . .                                                | 1          |
| 19                 | PAOZZ              | 80205       | NAS607-2-5P        | • • • Pin, Straight, Headle . . . . .                                                | 1          |
| 20                 | XDOZZ              | 8V613       | 7-362110224-45     | • • Bar Clamp . . . . .                                                              | 2          |
| 21                 | XDOOO              | 8V613       | 7-362110224-49     | • • Housing Arm . . . . .                                                            | 2          |
| 22                 | PAOZZ              | 96906       | MS51830-102        | • • • Insert, Screw Thread . . . . .                                                 | 5          |
| 23                 | PAOZZ              | 96906       | MS51830-104        | • • • Insert, Screw Thread . . . . .                                                 | 4          |
| 24                 | MOOZZ              | 8V613       | 7-362110224-55     | • • • Pad, Housing Arm . . . . .                                                     | 1          |
| 25                 | PAOZZ              | 80205       | NAS607-3-5         | • • • Pin, Straight, Headle . . . . .                                                | 1          |
| 26                 | MOOZZ              | 8V613       | 7-362110224-29     | • • Pad, Rubber . . . . .                                                            | 2          |
| 27                 | XDOZZ              | 8V613       | 7-362110224-19     | • • Cover . . . . .                                                                  | 2          |
| 28                 | XDOOO              | 8V613       | 7-362110224-43     | • Tab Bending Tool, Ma . . . . .                                                     | 1          |
| 29                 | PAOZZ              | 96906       | MS35426-27         | • • Nut, Plain, Wing . . . . .                                                       | 2          |
| 30                 | PAOZZ              | 88044       | AN960C416L         | • • Washer, Flat . . . . .                                                           | 4          |
| 31                 | PAOZZ              | 8V613       | 7-362110224-39     | • • Stud, Shouldered . . . . .                                                       | 1          |
| 32                 | XDOZZ              | 8V613       | 7-362110224-53     | • • Plate Clamp . . . . .                                                            | 1          |
| 33                 | XDOZZ              | 8V613       | 7-362110224-37     | • • Spacer, Plate . . . . .                                                          | 2          |
| 34                 | PAOZZ              | 80205       | MS21042-4          | • • Nut, Self-Locking, Ex . . . . .                                                  | 2          |
| 35                 | XDOZZ              | 8V613       | 7-362110224-51     | • • Handle Clamp . . . . .                                                           | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                      |            |

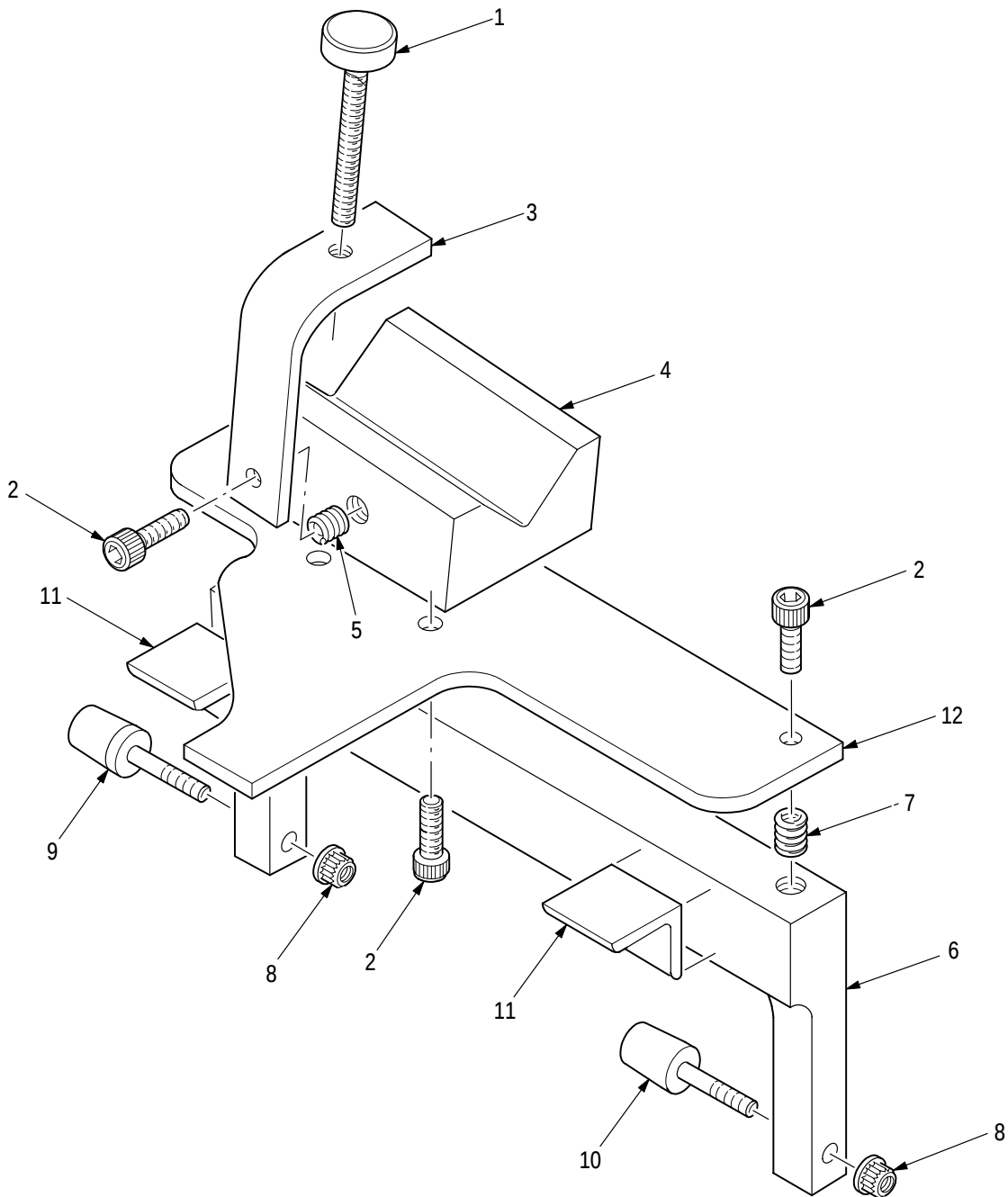


\* SUPPLIED WITH ATTACHED ITEM

M09-1214B

Figure 742. Group 80 Box Assembly, Switch, Rotor Track and Balance Kit  
7-262110082, (P/N B6517 (99866))

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                                             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools}}<br>Fig. 742 Box Assembly, Switch,<br>Rotor Track and Balance Kit<br>7-262110082<br>(P/N B6517 (99866))<br>See Fig. 740 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS51957-42         | • Screw, Machine .....                                                                                                                                  | 4          |
| 2                  | XAFZZ              | 99866       | 7633               | • Cover .....                                                                                                                                           | 1          |
| 3                  | XDFZZ              | 32767       | 106                | • Knob, Dual Pointer .....                                                                                                                              | 1          |
| 4                  | PAFZZ              | 96906       | MS51957-15         | • Screw, Machine .....                                                                                                                                  | 6          |
| 5                  | XDFZZ              | 78189       | 511-041800-00      | • Nut .....                                                                                                                                             | 8          |
| 6                  | PAFZZ              | 96906       | MS3452W16-11S      | • Connector, Receptacl .....                                                                                                                            | 1          |
| 7                  | PAFZA              | 96906       | MS3470W14-15P      | • Connector, Receptacl .....                                                                                                                            | 1          |
| 8                  | XDFZZ              | 60525       | 44H30-01-1-03N-F   | • Switch, Rotary .....                                                                                                                                  | 1          |
| 9                  | XDFZZ              | 99866       | 6300-1             | • Cable Assy .....                                                                                                                                      | 1          |
| 10                 | XDFZZ              | 99866       | 6301-1             | • Cable Assy .....                                                                                                                                      | 1          |
| 11                 | XDFZZ              | 83330       | 937                | • Bushing .....                                                                                                                                         | 2          |
| 12                 | XDFZZ              | 39428       | 90126A007          | • Washer .....                                                                                                                                          | 1          |
| 13                 | PAFZZ              | 96906       | MS25043-10DA       | • Cover, Electrical Co .....                                                                                                                            | 2          |
| 14                 | XDOZZ              | 96906       | 6255               | • Pad, Rubber .....                                                                                                                                     | 1          |
| 15                 | XAFZZ              | 39428       | 2863               | • Plate, Identificatio .....                                                                                                                            | 1          |
| 16                 | XDFZZ              | 99866       | 7562               | • Housing .....                                                                                                                                         | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                                         |            |

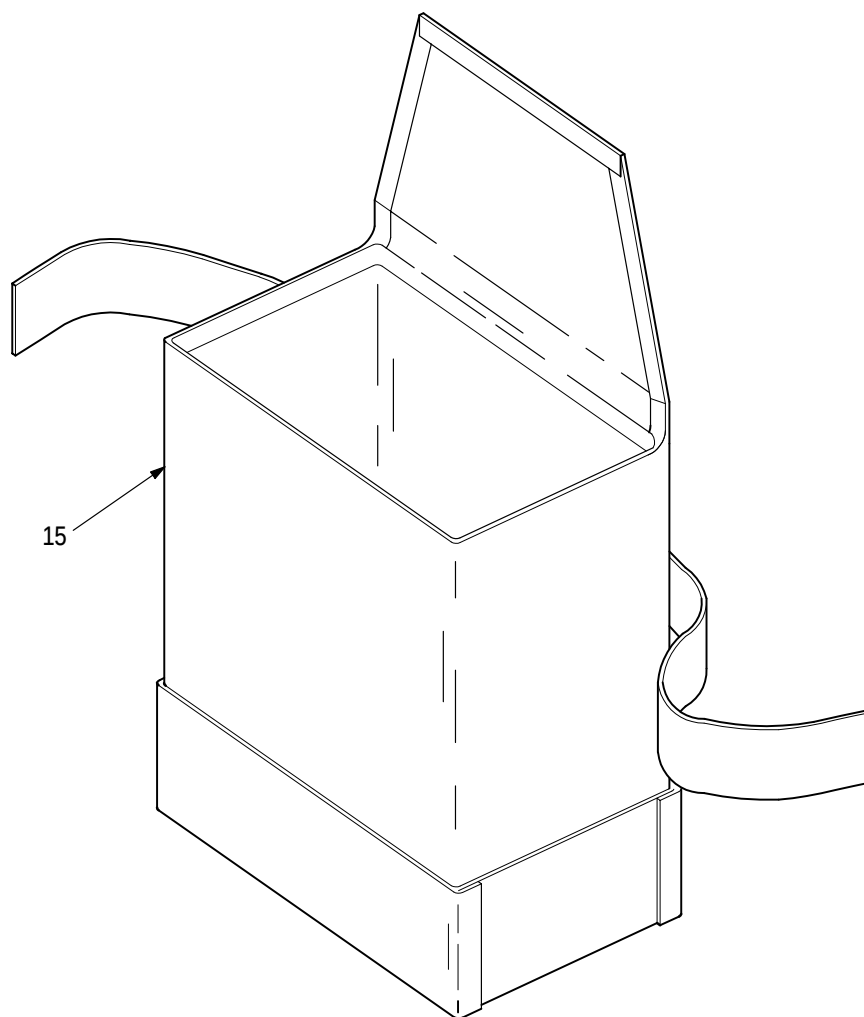
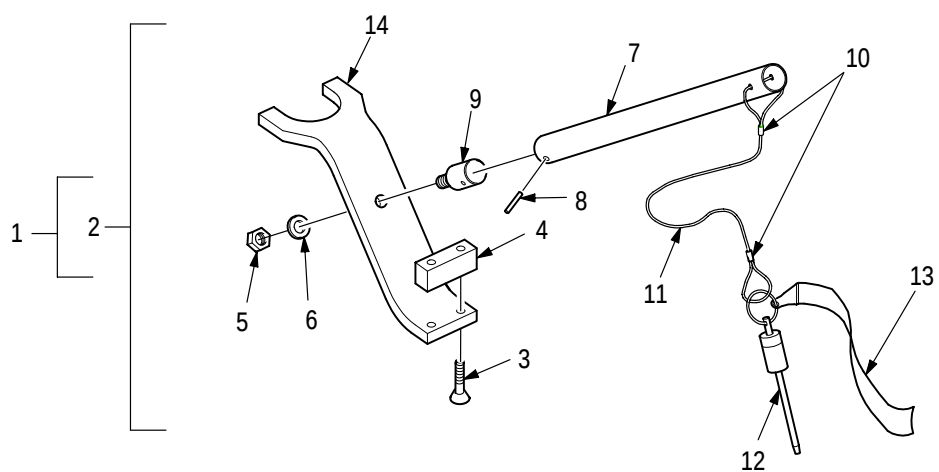


M09-1239A

Figure 743. Group 80 Phase Tool Assembly  
7-362110225-19

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 743 Phase Tool Assembly<br>7-362110225-19<br>See Fig. 740 for NHA |            |
| 1                  | PAOZZ              | 02731       | HS5137-0420        | • Thumbscrew .....                                                                               | 1          |
| 2                  | PAOZZ              | 80205       | NAS1351-3-8        | • Screw, Cap, Socket He .....                                                                    | 5          |
| 3                  | XDOZZ              | 8V613       | 7-362110225-11     | • Clamp .....                                                                                    | 1          |
| 4                  | XDOOO              | 8V613       | 7-362110225-9      | • 5 Degree V-Block .....                                                                         | 1          |
| 5                  | PAOZZ              | 80205       | NAS1394-3          | • • Insert, Screw Thread .....                                                                   | 3          |
| 6                  | XAOOO              | 8V613       | 7-362110225-5      | • Leg Assembly .....                                                                             | 2          |
| 7                  | PAOZZ              | 80205       | NAS1394-3          | • • Insert, Screw Thread .....                                                                   | 2          |
| 8                  | PAOZZ              | 80205       | MS21042-3          | • Nut, Self-Locking, Ex .....                                                                    | 2          |
| 9                  | XDOZZ              | 8V613       | 7-362110225-17     | • Tapered Guide .....                                                                            | 1          |
| 10                 | XDOZZ              | 8V613       | 7-362110225-15     | • Guide .....                                                                                    | 1          |
| 11                 | XDOZZ              | 02731       | HS1003DD12-100     | • Angle, Extruded .....                                                                          | 2          |
| 12                 | XDOZZ              | 8V613       | 7-362110225-7      | • Plate .....                                                                                    | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                  |            |

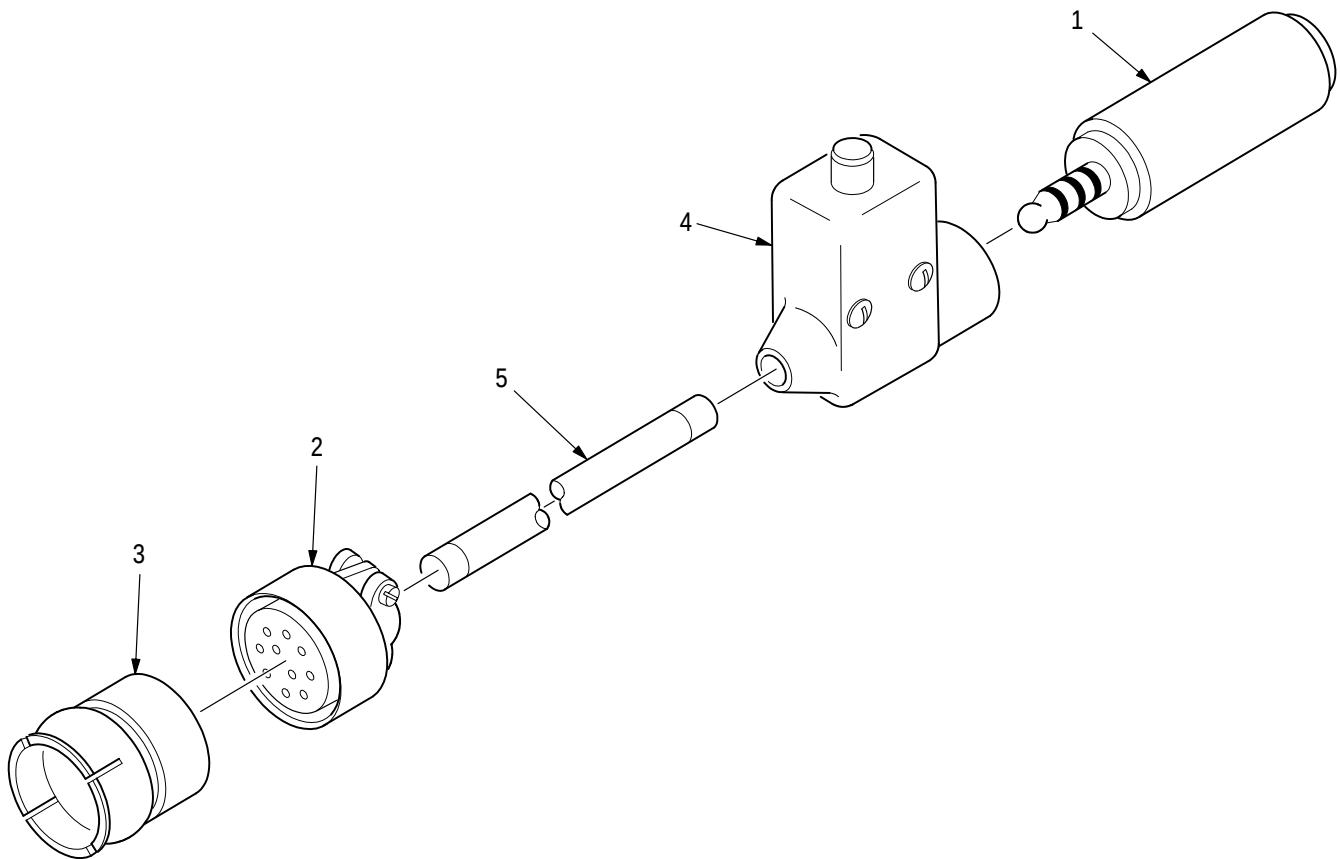




M09-1240A

Figure 744. Group 80 Kit, Ground Lock PGS

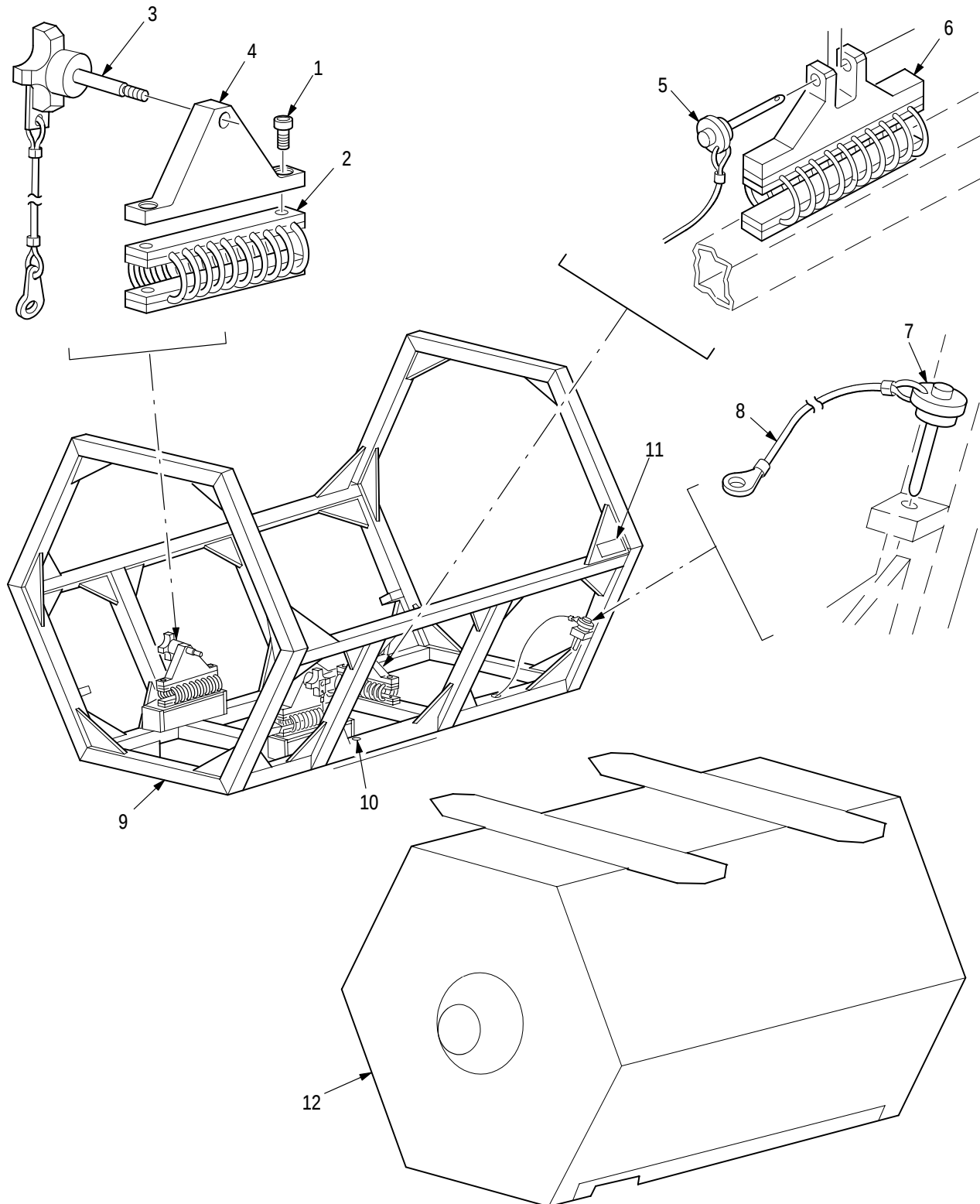
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 744 Kit, Ground Lock PGS |            |
| 1                  | PAODD              | 8V613       | 7-362100057-1      | • Kit, Ground Locks Pg .....                            | 4          |
| 2                  | PAOOO              | 8V613       | 7-362120178-1      | •• Pedal, Position Fixt .....                           | 1          |
| 3                  | XDOZZ              | 96906       | MS24693-51B        | ••• Screw, Machine .....                                | 2          |
| 4                  | XDOZZ              | 8V613       | 7-362120178-5      | ••• Stop Block .....                                    | 1          |
| 5                  | PAOZZ              | 80205       | MS21042L4          | ••• Nut, Self-Locking, Ex .....                         | 1          |
| 6                  | PAOZZ              | 88044       | AN960-416L         | ••• Washer, Flat .....                                  | 1          |
| 7                  | XDOZZ              | 8V613       | 7-362120178-7      | ••• Handle .....                                        | 1          |
| 8                  | PAOZZ              | 96906       | MS16562-215        | ••• Pin, Spring .....                                   | 1          |
| 9                  | XDOZZ              | 8V613       | 7-362120178-9      | ••• Thread Plug .....                                   | 1          |
| 10                 | PAOZZ              | 96906       | MS51844-82         | ••• Swaging Sleeve, Wire .....                          | 2          |
| 11                 | MOOZZ              | 8V613       | 7-362120178-11     | ••• Lanyard .....                                       | 1          |
| 12                 | PAOZZ              | 96906       | MS17990C330        | ••• Pin, Quick Release .....                            | 1          |
| 13                 | PAOZZ              | 80205       | NAS1756-12         | ••• Streamer, Warning .....                             | 1          |
| 14                 | XDOZZ              | 8V613       | 7-362120178-3      | ••• Stop .....                                          | 1          |
| 15                 | PAOZZ              | 8V613       | 7-362110227-1      | •• Bag, Textile .....                                   | 1          |
| END OF FIGURE      |                    |             |                    |                                                         |            |



M09-807B

Figure 745. Group 80 Cord Assembly, Electrical  
7-262100009-601

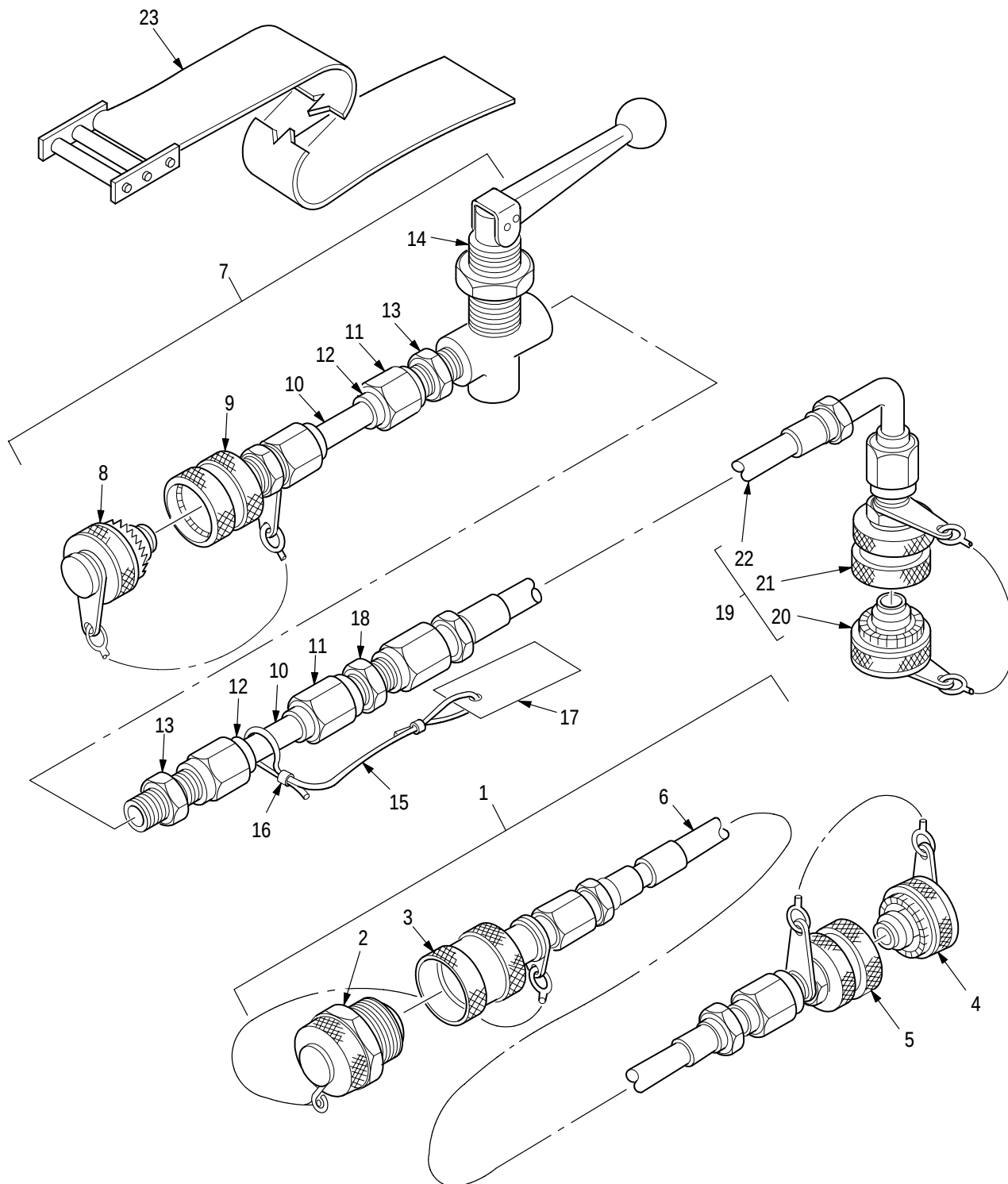
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 745 Cord Assembly, Electrical<br>7-262100009-601<br>See Fig. 715 for NHA |            |
| 1                  | PAFZZ              | 8V613       | 7-362110093-3      | • Adapter, Microphone .....                                                                             | 1          |
| 2                  | PAFZZ              | 81349       | M85049/2-8C        | • Clamp, Cable, Electri .....                                                                           | 1          |
| 3                  | PAFZZ              | 77820       | 97-3107A-16S-1P    | • Connector, Plug, Elec .....                                                                           | 1          |
| 4                  | PAFZZ              | 81349       | U94A/U             | • Connector-Switch .....                                                                                | 1          |
| 5                  | PAFZZ              | 81349       | WM85/U             | • Cable, Special Purpo .....                                                                            | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                         |            |



M09-808A

Figure 746. Group 80 Maintenance Platform, APU  
7-262100010

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                         | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 746 Maintenance Platform, APU<br>7-262100010<br>See Fig. 715 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS16995-49         | • Screw, Cap, Socket He .....                                                                       | 12         |
| 2                  | XDFZZ              | 02731       | HS5092-0002        | • Rope, Wire .....                                                                                  | 3          |
| 3                  | XDFFF              | 8V613       | 7-262100010-5      | • Knob Assembly .....                                                                               | 2          |
| 4                  | XDFZZ              | 8V613       | 7-262100010-35     | • Support, Front .....                                                                              | 2          |
| 5                  | PAFZZ              | 96906       | MS17984C410        | • Pin, Quick Release .....                                                                          | 1          |
| 6                  | XDFZZ              | 8V613       | 7-262100010-37     | • Support, Rear .....                                                                               | 1          |
| 7                  | PAFZZ              | 02731       | HS4372B6-07C       | • Pin, Quick Release .....                                                                          | 4          |
| 8                  | PAFZZ              | 02731       | HS4494-4800        | • Wire Rope Assembly, .....                                                                         | 5          |
| 9                  | XAFZZ              | 8V613       | 7-262100010-3      | • Weldment .....                                                                                    | 1          |
| 10                 | XDFZZ              | 80205       | NAS1330C5K181      | • Nut Plain Blind .....                                                                             | 2          |
| 11                 | XDOZZ              | 02731       | HS4709-5           | • Plate, Identificatio .....                                                                        | 1          |
| 12                 | XDFZZ              | 8V613       | 7-262110072        | • Cover, Protective .....                                                                           | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                     |            |

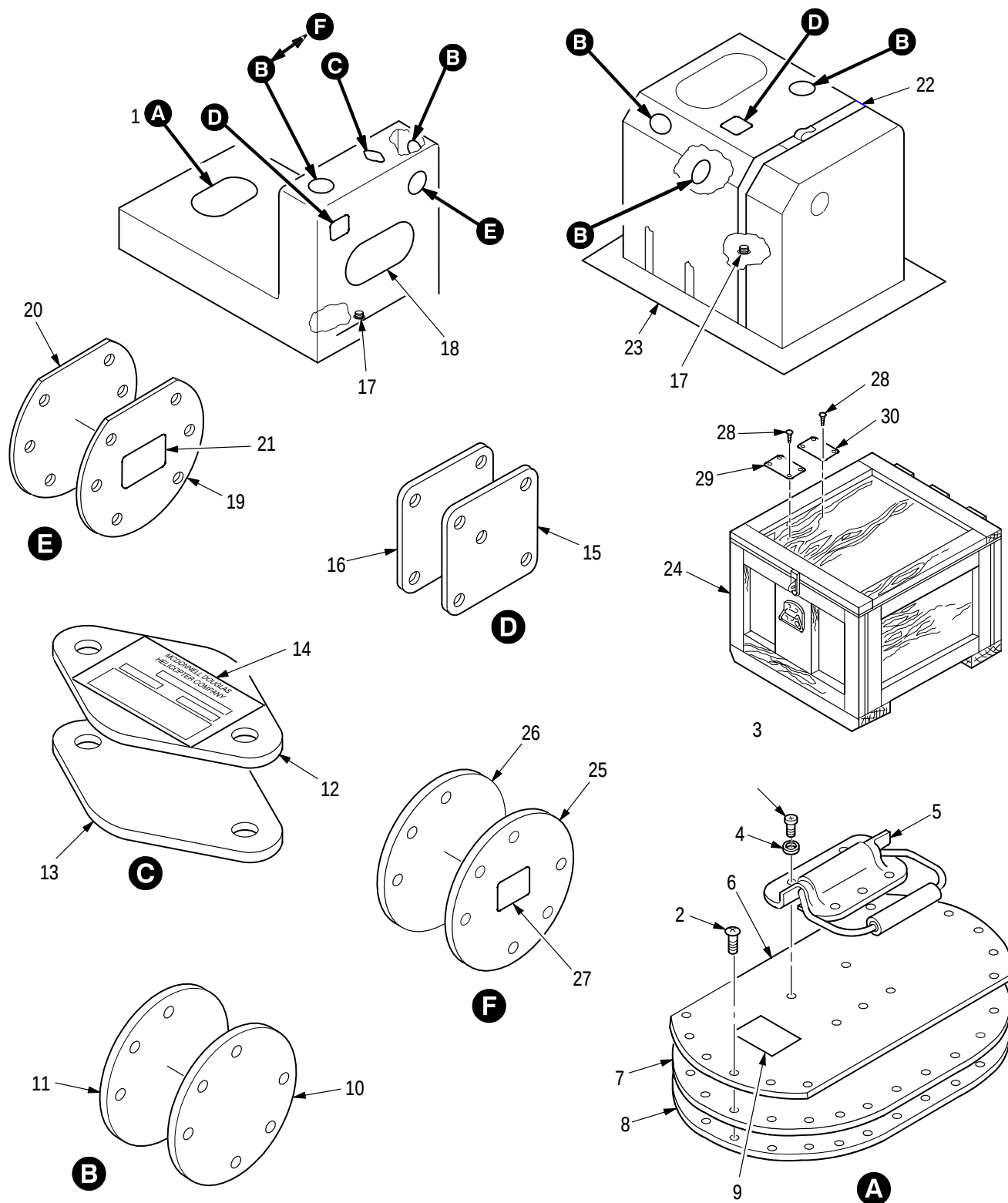


M09-809A

Figure 747. Group 80 Kit, Hydraulic Hoses  
7-262100019-601

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 747 Kit, Hydraulic Hoses<br>7-262100019-601<br>See Fig. 715 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-262110083        | • Hose, Nonmetallic .....                                                                          | 2          |
| 2                  | XDOZZ              | 02731       | HS5244-0004        | •• Plug, Dust .....                                                                                | 1          |
| 3                  | XDOZZ              | 02731       | HS5243-0304        | •• Coupler, Qd .....                                                                               | 1          |
| 4                  | XDOZZ              | 02731       | HS5419-0004        | •• Plug, Dust .....                                                                                | 1          |
| 5                  | XDOZZ              | 02731       | HS5418-0004        | •• Nipple, Quick-Diconn .....                                                                      | 1          |
| 6                  | XAOZZ              | 02731       | HS4408AA4-4800     | •• Hose .....                                                                                      | 1          |
| 7                  | XDOOO              | 8V613       | 7-262110084        | • Valve Assembly, Hydr .....                                                                       | 4          |
| 8                  | XDOZZ              | 02731       | HS5197-0004        | •• Plug, Dust .....                                                                                | 1          |
| 9                  | XDOZZ              | 02731       | HS4556-4           | •• Coupling Assembly, Q .....                                                                      | 1          |
| 10                 | XDOZZ              | 8V613       | 7-262110084-3      | •• Tubing, Ext .....                                                                               | 2          |
| 11                 | PAOZZ              | 08199       | 35235VN04          | •• Sleeve, Clinch, Tube .....                                                                      | 4          |
| 12                 | PAOZZ              | 96906       | MS21922-4          | •• Sleeve, Clinch, Tube .....                                                                      | 4          |
| 13                 | XDOZZ              | 02731       | HS4508-4C4         | •• Adapter, Flareless .....                                                                        | 2          |
| 14                 | XDOZZ              | 02731       | HS5280-0004        | •• Valve, Shut-Off .....                                                                           | 1          |
| 15                 | MFOZZ              | 8V613       | 7-262110084-5      | •• Cable .....                                                                                     | 1          |
| 16                 | XAOZZ              | 96906       | MS51844-82         | •• Swaging Sleeve, Wire .....                                                                      | 2          |
| 17                 | XDOZZ              | 02731       | HS5216-1           | •• Plate, Ident .....                                                                              | 1          |
| 18                 | PAOZZ              | 96906       | MS21902-4J         | •• Nipple, Boss .....                                                                              | 1          |
| 19                 | XDOOO              | 8V613       | 7-262120038        | •• Hose, Hydraulic .....                                                                           | 1          |
| 20                 | XDOZZ              | 02731       | HS5197-0004        | ••• Plug, Dust .....                                                                               | 1          |
| 21                 | XDOZZ              | 02731       | HS4556-4           | ••• Coupling Assembly, Q .....                                                                     | 1          |
| 22                 | XDOZZ              | 02731       | HS4408AC4-1200     | ••• Hose Assy, Hyd .....                                                                           | 1          |
| 23                 | XDOZZ              | 8V613       | 7-362110088        | • Strap, Retaining .....                                                                           | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                    |            |

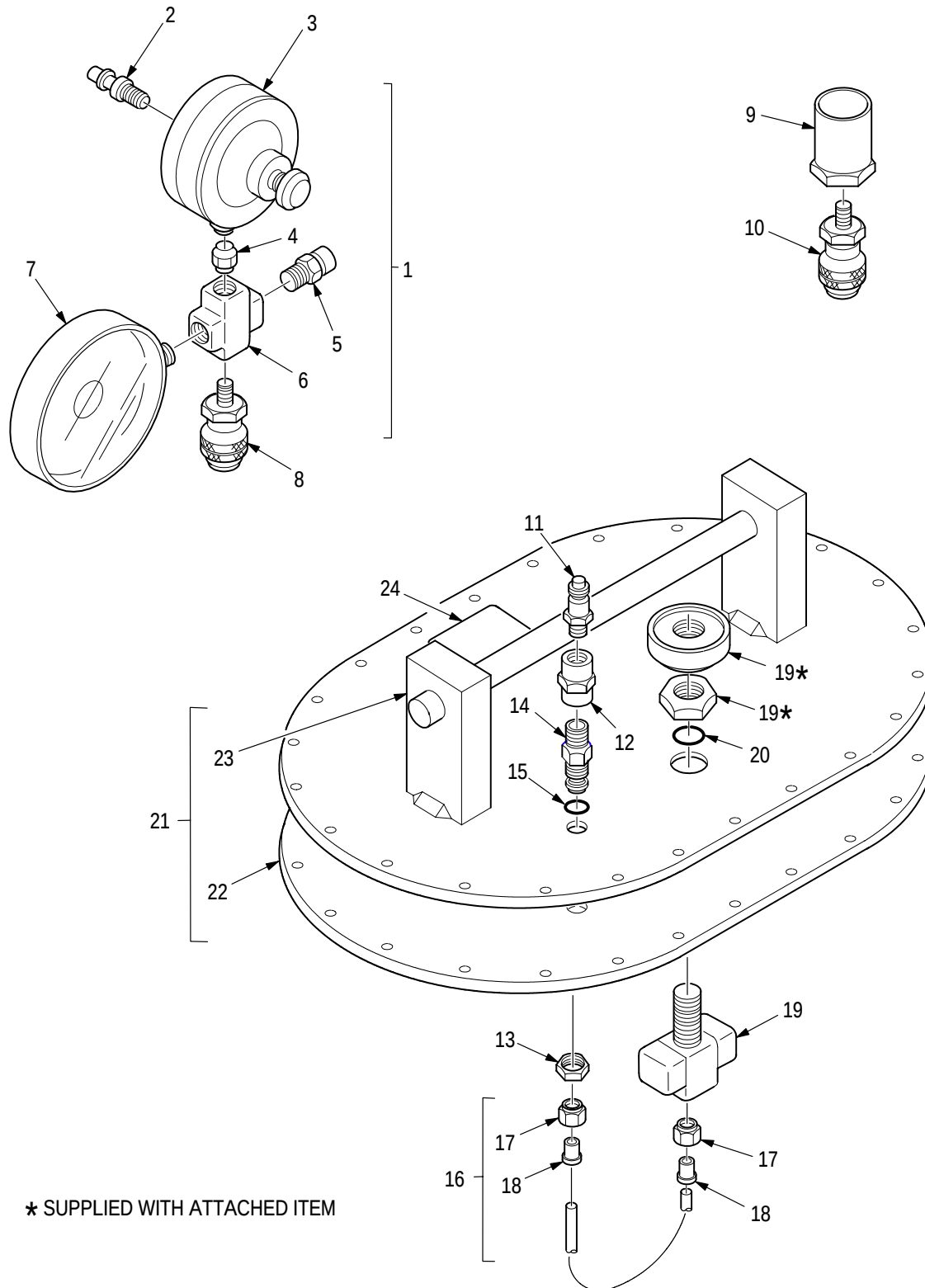




M09-810G

Figure 748. Group 80 Kit, Fuel Cell Removal and Installation  
7-262100016-601

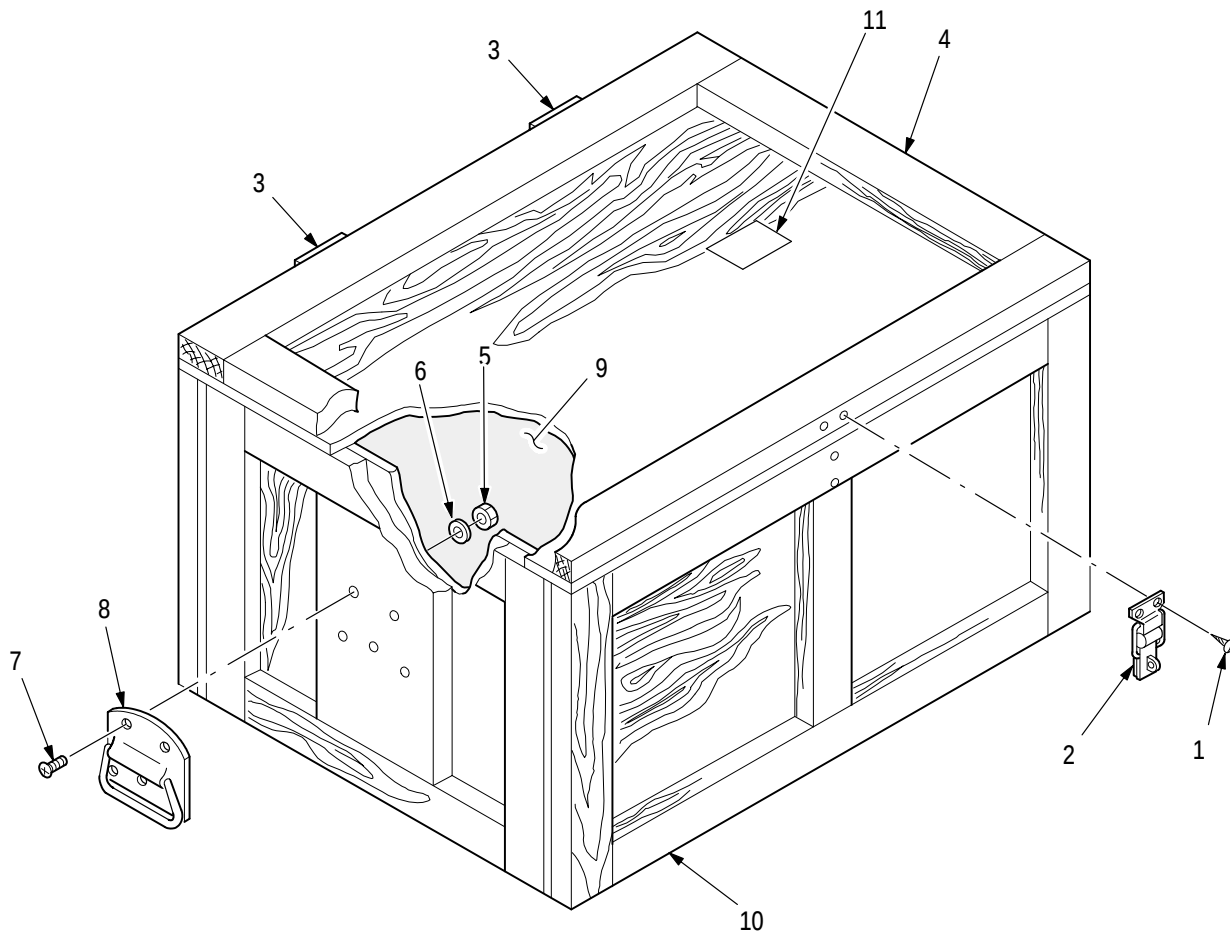
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 748 Kit, Fuel Cell Removal and Installation<br>7-262100016-601<br>See Fig. 715 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-262110066        | • Plate Assembly FWD .....                                                                                            | 1          |
| 2                  | XDOZZ              | 02731       | HS4103-12D5.5      | •• Screw, Machine .....                                                                                               | 12         |
| 3                  | PAOZZ              | 80205       | MS27039C1-05       | •• Screw, Machine .....                                                                                               | 5          |
| 4                  | PAOZZ              | 80205       | NAS1149F0332P      | •• Washer, Flat .....                                                                                                 | 5          |
| 5                  | PAOZZ              | 96906       | MS18012-3          | •• Handle, Bail .....                                                                                                 | 1          |
| 6                  | XAOZZ              | 8V613       | 7-262120019        | •• Plate .....                                                                                                        | 1          |
| 7                  | XDOOO              | 8V613       | 7-262120020        | •• Plate Assembly .....                                                                                               | 1          |
| 8                  | MFOZZ              | 8V613       | 7-262120020-7      | ••• Gasket .....                                                                                                      | 1          |
| 9                  | XDOZZ              | 02731       | HS4709-2           | •• Plate, Identificatio .....                                                                                         | 1          |
| 10                 | XDOOO              | 8V613       | 7-262110045-601    | • Plate Assembly Vent Valve/Gravity Feed Filler .....                                                                 | 8          |
| 11                 | MFOZZ              | 8V613       | 7-262110045-9      | •• Gasket .....                                                                                                       | 1          |
| 12                 | XDOOO              | 8V613       | 7-362110087        | • Plate Assembly Breakaway Valve .....                                                                                | 1          |
| 13                 | MFOZZ              | 8V613       | 7-362110087-5      | •• Gasket .....                                                                                                       | 1          |
| 14                 | XDOZZ              | 02731       | HS4709-2           | •• Plate, Identificatio .....                                                                                         | 1          |
| 15                 | XDOOO              | 8V613       | 7-262110058-601    | • Plate Assembly Breakaway Valve 90 Degree Swivel .....                                                               | 1          |
| 16                 | MFOZZ              | 8V613       | 7-262110058-9      | •• Gasket .....                                                                                                       | 1          |
| 17                 | PAOZZ              | 96906       | MS24404S6          | • Plug, Tube Fitting, T .....                                                                                         | 1          |
| 18                 | XDOOO              | 8V613       | 7-262110065        | • Plate Assembly Fuel Cell Access<br>(See Fig. 749 for Breakdown) .....                                               | 1          |
| 19                 | XDOOO              | 8V613       | 7-262110056-601    | • Plate Assembly Breakaway Valve 45 Degree Swivel .....                                                               | 1          |
| 20                 | MFOZZ              | 8V613       | 7-262110056-9      | •• Gasket .....                                                                                                       | 1          |
| 21                 | XDOZZ              | 02731       | HS4709-2           | •• Plate, Identificatio .....                                                                                         | 1          |
| 22                 | XDOZZ              | 8V613       | 7-262110043        | • Strap Assembly .....                                                                                                | 3          |
| 23                 | XDOZZ              | 8V613       | 7-262110022        | • Blanket .....                                                                                                       | 1          |
| 24                 | XDOOO              | 8V613       | 7-262110068-601    | • Box Assembly (See Fig. 750 for Breakdown) .....                                                                     | 1          |
| 25                 | XDOOO              | 8V613       | 7-262110045-603    | • Plate Assembly (U/W FWD Fuel Cell With 3/16 Inch<br>Diameter Pin Protruding) .....                                  | 1          |
| 26                 | MFOZZ              | 8V613       | 7-262110045-13     | •• Gasket .....                                                                                                       | 1          |
| 27                 | XDOZZ              | 02731       | HS4709-2           | •• Plate, Identificatio .....                                                                                         | 1          |
| 28                 | PAOZZ              | 96906       | MS35495-2          | • Screw, Wood .....                                                                                                   | 12         |
| 29                 | XDOZZ              | 02731       | HS5572-0001        | • Plate, Mounting .....                                                                                               | 1          |
| 30                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                                          | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                       |            |



M09-811C

Figure 749. Group 80 Plate Assembly, Fuel Cell Access  
7-262110065

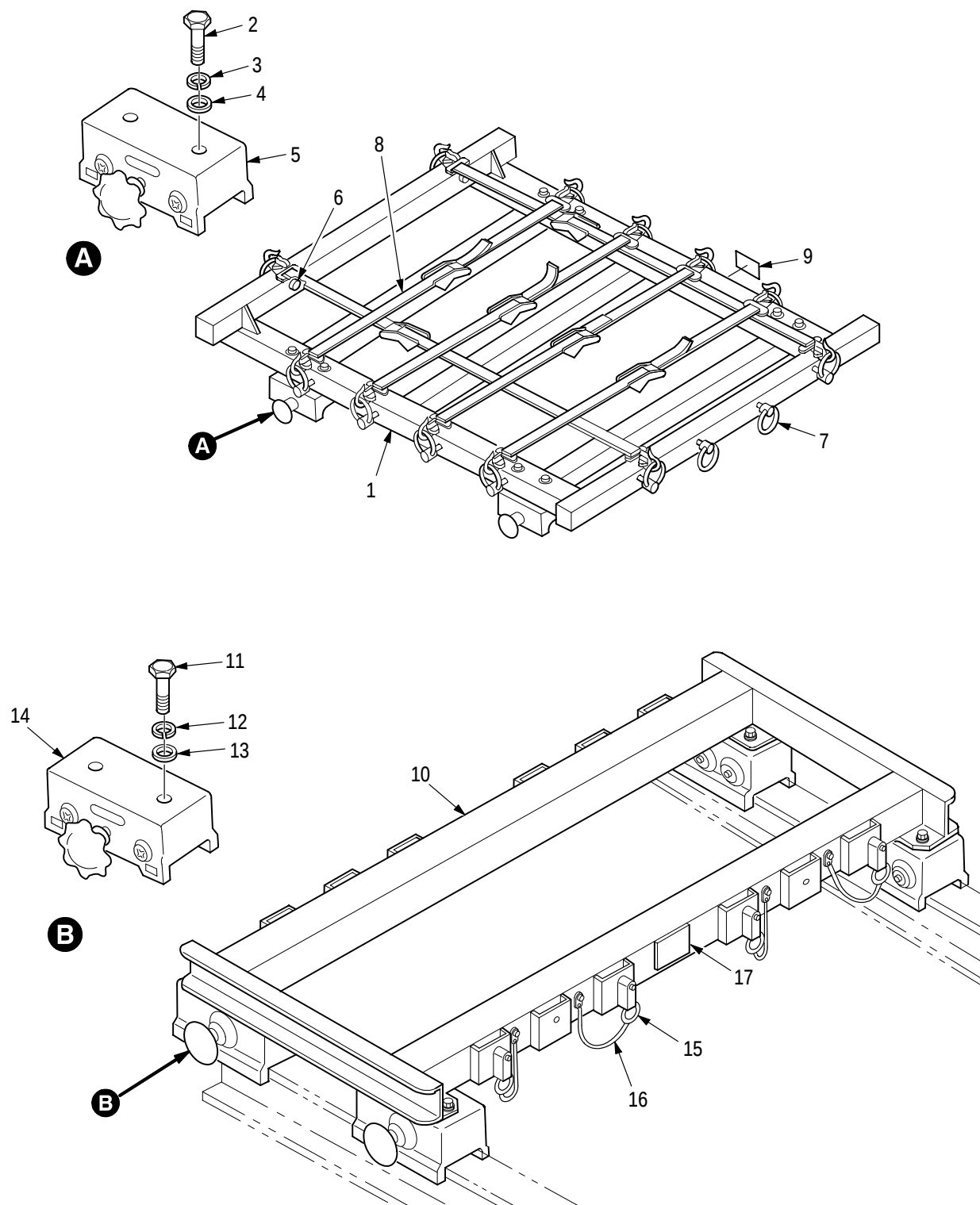
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 749 Plate Assembly, Fuel Cell Access<br>7-262110065<br>See Fig. 748 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-262110065-19     | • Fill Assembly .....                                                                                      | 1          |
| 2                  | XDOZZ              | 02731       | HS5196-0001        | • • Plug, Quick Disc .....                                                                                 | 1          |
| 3                  | XDOZZ              | 02731       | HS5250-2006        | • • Regulator, Pressure .....                                                                              | 1          |
| 4                  | PAOZZ              | 88044       | AN911-2S           | • • Nipple, Pipe .....                                                                                     | 1          |
| 5                  | XDOZZ              | 02731       | HS5191-0004        | • • Valve, Check .....                                                                                     | 1          |
| 6                  | PAOZZ              | 88044       | AN918-2S           | • • Cross, Pipe .....                                                                                      | 1          |
| 7                  | XDOZZ              | 02731       | HS5193-0001        | • • Gauge, Pressure .....                                                                                  | 1          |
| 8                  | XDOZZ              | 02731       | HS5194-0001        | • • Coupling, Socket .....                                                                                 | 1          |
| 9                  | XDOZZ              | 8V613       | 7-262110065-15     | • Adapter Assembly .....                                                                                   | 1          |
| 10                 | XDOZZ              | 02731       | HS5194-0001        | • • Coupling, Socket .....                                                                                 | 1          |
| 11                 | XDOZZ              | 02731       | HS5196-0001        | • Plug, Quick Disc .....                                                                                   | 1          |
| 12                 | XDOZZ              | 8V613       | 7-262110044        | • Adapter .....                                                                                            | 1          |
| 13                 | PAOZZ              | 88044       | AN6289J4           | • Locknut, Tube Fittin .....                                                                               | 1          |
| 14                 | PAOZZ              | 98437       | AN832-4K           | • Adapter, Straight, Tu .....                                                                              | 1          |
| 15                 | PAOZZ              | 96906       | MS28778-4          | • O-Ring .....                                                                                             | 1          |
| 16                 | XDOOO              | 8V613       | 7-262110065-3      | • Tube Assembly .....                                                                                      | 1          |
| 17                 | XAOZZ              | 88044       | AN818-4K           | • • Nut, Coupling .....                                                                                    | 2          |
| 18                 | XAOZZ              | 96906       | MS20819-4K         | • • Sleeve, Flared, Tube .....                                                                             | 2          |
| 19                 | XDOZZ              | 02731       | HS5195-0001        | • Valve, Triport .....                                                                                     | 1          |
| 20                 | PAOZZ              | 96906       | MS28778-10         | • O-Ring .....                                                                                             | 1          |
| 21                 | XDOFF              | 8V613       | 7-262120004        | • Plate, Access .....                                                                                      | 1          |
| 22                 | MFOZZ              | 8V613       | 7-262120004-13     | • • Gasket .....                                                                                           | 1          |
| 23                 | XAOZZ              | 8V613       | 7-262120004-7      | • • Handle .....                                                                                           | 1          |
| 24                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                            |            |



M09-812A

Figure 750. Group 80 Box Assembly, Fuel Cell Removal and Installation  
7-262110068-601

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 750 Box Assembly, Fuel Cell<br>Removal and Installation<br>7-262110068-601<br>See Fig. 748 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS35495-66         | • Screw, Wood .....                                                                                                               | 4          |
| 2                  | PAOZZ              | 02731       | HS5397-0001        | • Catch, Clamping .....                                                                                                           | 1          |
| 3                  | PAOZZ              | 96906       | MS27968-4          | • Hinge, Butt .....                                                                                                               | 2          |
| 4                  | XAOZZ              | 8V613       | 7-262110068-5      | • Lid Assembly .....                                                                                                              | 1          |
| 5                  | PAOZZ              | 96906       | MS21044C3          | • Nut, Self-Locking, He .....                                                                                                     | 10         |
| 6                  | PAOZZ              | 88044       | AN970-3            | • Washer, Flat .....                                                                                                              | 10         |
| 7                  | PAOZZ              | 96906       | MS35199-63         | • Screw, Machine .....                                                                                                            | 10         |
| 8                  | PAOZZ              | 96906       | MS35791-1          | • Handle, Bail .....                                                                                                              | 2          |
| 9                  | XDOZZ              | 8V613       | 7-262110068-31     | • Filler .....                                                                                                                    | 1          |
| 10                 | XAOZZ              | 8V613       | 7-262110068-3      | • Shell Assembly, Box .....                                                                                                       | 1          |
| 11                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                                                      | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                   |            |

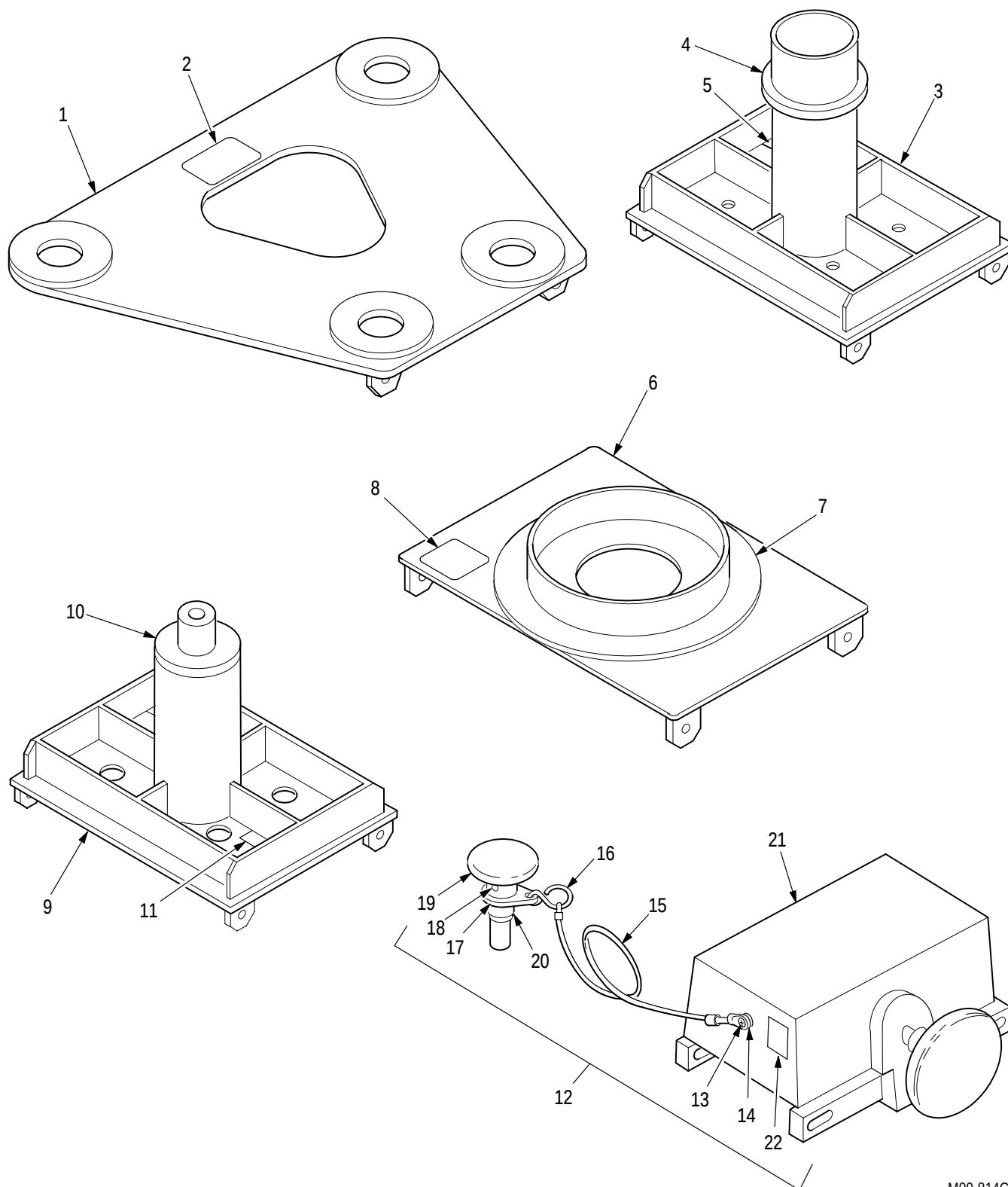


M09-813A

Figure 751. Group 80 Adapter Kit, Airframe Component Handling (Part 1)  
7-262100011-605

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 751 Adapter Kit, Airframe<br>Component Handling (Part 1)<br>7-262100011-605<br>See Fig. 716 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-262110054        | • Adapter Assy Container Transport .....                                                                                           | 1          |
| 2                  | PAOZZ              | 80205       | NAS6209-7          | • Bolt, Shear .....                                                                                                                | 8          |
| 3                  | PAOZZ              | 96906       | MS35338-144        | • Washer, Lock .....                                                                                                               | 8          |
| 4                  | XDOZZ              | 88044       | AN960C916          | • Washer, Flat .....                                                                                                               | 28         |
| 5                  | XDOZZ              | 02731       | HS9008-0002        | • Trolley, I-Beam .....                                                                                                            | 4          |
| 6                  | PAOZZ              | 96906       | MS21045-9          | • Nut, Self-Locking, He .....                                                                                                      | 20         |
| 7                  | PAOZZ              | 80205       | NAS1251A10-48      | • Bolt, Ring .....                                                                                                                 | 20         |
| 8                  | XDOZZ              | 02731       | HS5068-0004        | • Strap, Webbing .....                                                                                                             | 6          |
| 9                  | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                                                       | 1          |
| 10                 | XDOOO              | 8V613       | 7-262110055        | • Adapter Assy Component Mounting Fixture .....                                                                                    | 1          |
| 11                 | PAOZZ              | 80205       | NAS6209-6          | • Bolt, Shear .....                                                                                                                | 8          |
| 12                 | PAOZZ              | 96906       | MS35338-144        | • Washer, Lock .....                                                                                                               | 8          |
| 13                 | PAOZZ              | 88044       | AN960C916          | • Washer, Flat .....                                                                                                               | 8          |
| 14                 | XDOZZ              | 02731       | HS9008-0002        | • Trolley, I-Beam .....                                                                                                            | 4          |
| 15                 | PAOZZ              | 80205       | NAS1336ASC11D      | • Pin, Quick Release .....                                                                                                         | 8          |
| 16                 | PAOZZ              | 02731       | HS4494-4-800       | • Wire Rope Assembly .....                                                                                                         | 8          |
| 17                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                                                       | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                    |            |

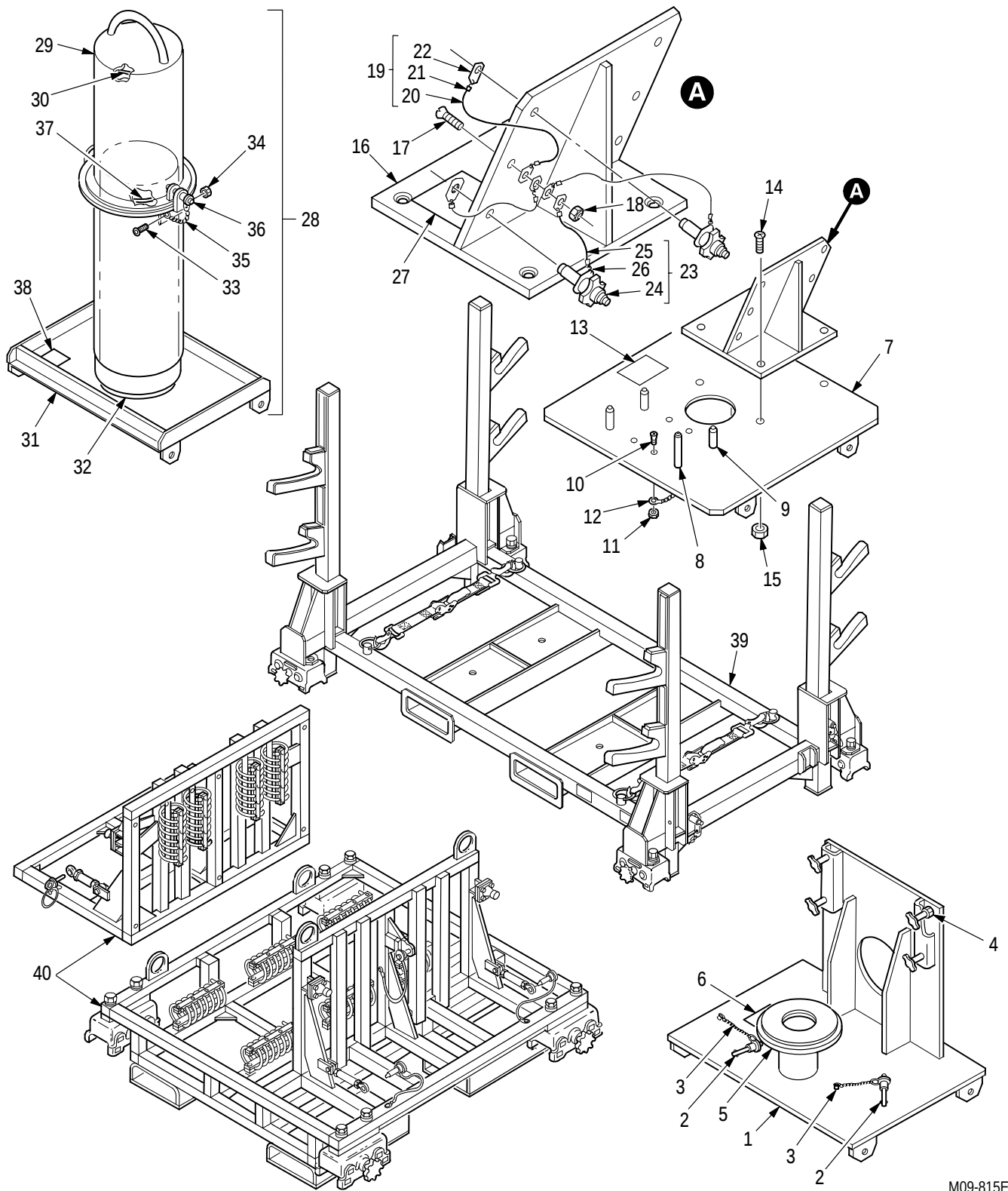




M09-814C

Figure 752. Group 80 Adapter Kit, Airframe Component Handling (Part 2)  
7-262100011-605

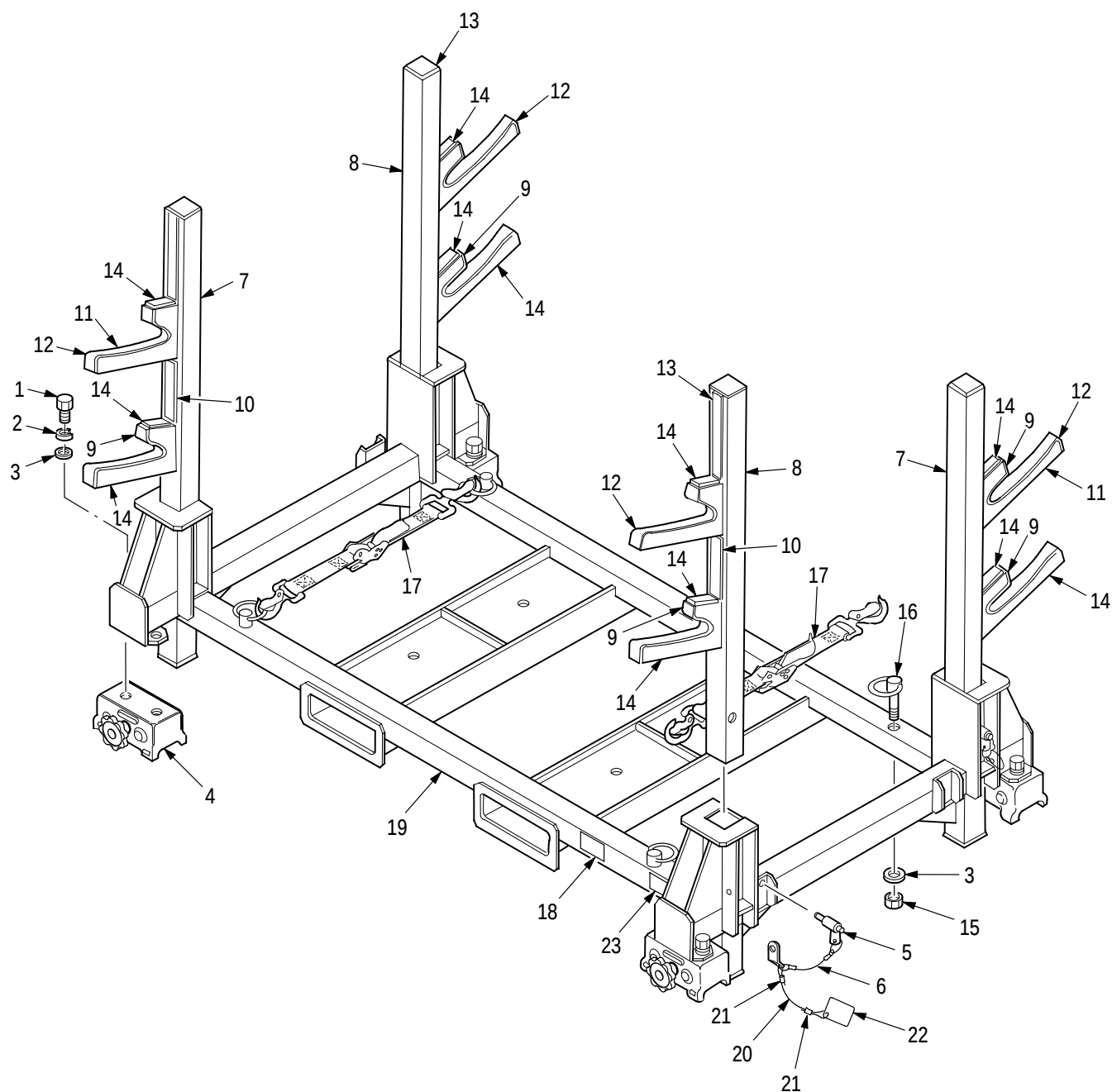
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 752 Adapter Kit, Airframe<br>Component Handling (Part 2)<br>7-262100011-605<br>See Fig. 716 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-362110029        | • Fixture, Mount .....                                                                                                             | 1          |
| 2                  | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....                                                                                                      | 1          |
| 3                  | XDOOO              | 8V613       | 7-262110030        | • Fixture, Mount M/R Head .....                                                                                                    | 1          |
| 4                  | MFOZZ              | 8V613       | 7-262110030-19     | •• Pad .....                                                                                                                       | 1          |
| 5                  | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....                                                                                                      | 1          |
| 6                  | XDOOO              | 8V613       | 7-262110032        | • Fixture, Mount M/R Swashplate .....                                                                                              | 1          |
| 7                  | MFOZZ              | 8V613       | 7-262110032-11     | •• Pad .....                                                                                                                       | 1          |
| 8                  | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....                                                                                                      | 1          |
| 9                  | XDOOO              | 8V613       | 7-262110033        | • Fixture, Mount T/R .....                                                                                                         | 1          |
| 10                 | MFOZZ              | 8V613       | 7-262110033-23     | •• Pad .....                                                                                                                       | 1          |
| 11                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....                                                                                                      | 1          |
| 12                 | XDOOO              | 8V613       | 7-262110070        | • Trolley Assembly M/R Head Container .....                                                                                        | 4          |
| 13                 | PAOZZ              | 80205       | NAS603-5P          | •• Screw, Machine .....                                                                                                            | 1          |
| 14                 | PAOZZ              | 96906       | MS35338-43         | •• Washer, Lock .....                                                                                                              | 1          |
| 15                 | XDOZZ              | 02731       | HS4494-4-1200      | •• Wire Rope Assembly .....                                                                                                        | 1          |
| 16                 | PAOZZ              | 80205       | NAS1090-1          | •• Hook, Chain, S .....                                                                                                            | 1          |
| 17                 | XDOZZ              | 8V613       | 7-262110070-5      | •• Tab .....                                                                                                                       | 1          |
| 18                 | PAOZZ              | 80205       | MS16562-36         | •• Pin, Spring .....                                                                                                               | 1          |
| 19                 | PAOZZ              | 80205       | NAS1553B4F8RP      | •• Knob .....                                                                                                                      | 1          |
| 20                 | XDOZZ              | 8V613       | 7-262110070-3      | •• Stud .....                                                                                                                      | 1          |
| 21                 | XDOZZ              | 8V613       | 7-262110070-7      | •• Trolley .....                                                                                                                   | 1          |
| 22                 | PAOZZ              | 02731       | HS4709-6           | •• Nameplate, General, P .....                                                                                                     | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                    |            |



M09-815E

Figure 753. Group 80 Adapter Kit, Airframe Component Handling (Part 3)  
7-262100011-605

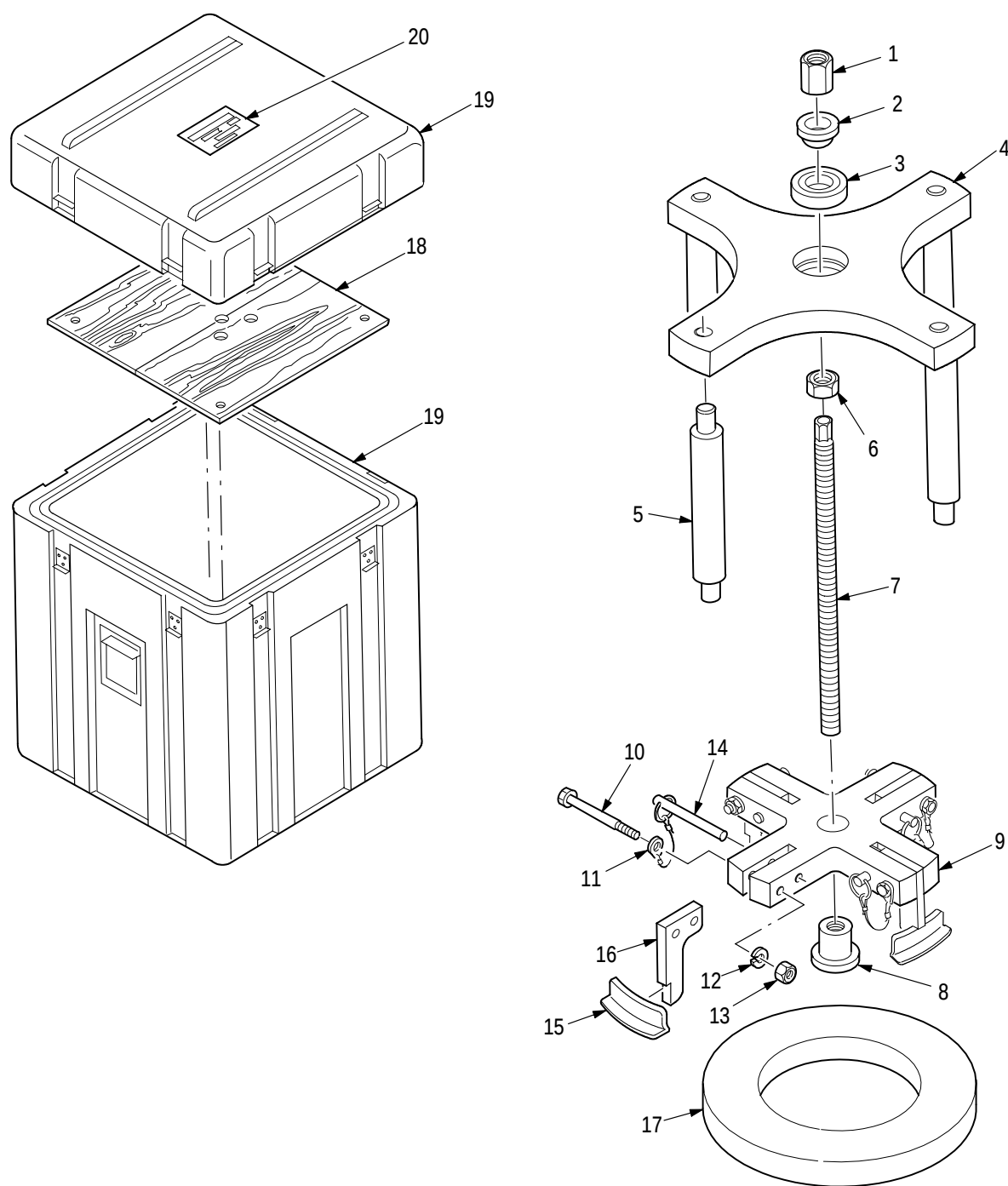
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 753 Adapter Kit, Airframe<br>Component Handling (Part 3)<br>7-262100011-605<br>See Fig. 716 for NHA |            |
| 1                  | XDOOO              | 8V613       | 7-262110062        | • Fixture, Mount ECU and Nose Gearbox .....                                                                                        | 1          |
| 2                  | PAOZZ              | 80205       | NAS1334C3C12       | •• Pin, Quick Release .....                                                                                                        | 2          |
| 3                  | PAOZZ              | 02731       | HS4494-4800        | •• Wire Rope Assembly .....                                                                                                        | 2          |
| 4                  | PAOZZ              | 80205       | MS21043-6          | •• Nut, Self-Locking, Ex .....                                                                                                     | 4          |
| 5                  | MFOZZ              | 8V613       | 7-262110062-27     | •• Pad .....                                                                                                                       | 1          |
| 6                  | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....                                                                                                      | 1          |
| 7                  | XDOOO              | 8V613       | 7-262110063-603    | • Fixture, Mount, Tail Rotor and Intermediate Gearbox Assy                                                                         | 1          |
| 8                  | XDOZZ              | 02731       | HS4372B8-19C       | •• Pin, Quick Release .....                                                                                                        | 1          |
| 9                  | XDOZZ              | 02731       | HS4372B8-12C       | •• Pin, Quick Release .....                                                                                                        | 3          |
| 10                 | XDOZZ              | 96906       | MS24694S53         | •• Screw, Machine .....                                                                                                            | 4          |
| 11                 | PAOZZ              | 80205       | MS21042-3          | •• Nut, Self-Locking, Ex .....                                                                                                     | 4          |
| 12                 | XDOZZ              | 02731       | HS4494-4600        | •• Wire Rope Assembly .....                                                                                                        | 4          |
| 13                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....                                                                                                      | 1          |
| 14                 | PAOZZ              | 96906       | MS24694-S196       | •• Screw, Machine .....                                                                                                            | 4          |
| 15                 | PAOZZ              | 96906       | MS21042-6          | •• Nut, Self-Locking, Ex .....                                                                                                     | 4          |
| 16                 | XDOOO              | 8V613       | 7-362120165        | •• Fixture Adapter .....                                                                                                           | 1          |
| 17                 | PAOZZ              | 96906       | MS24694S57         | ••• Screw, Machine .....                                                                                                           | 2          |
| 18                 | PAOZZ              | 80205       | MS21042-3          | ••• Nut, Self-Locking, Ex .....                                                                                                    | 2          |
| 19                 | XDOOO              | 8V613       | 7-362120165-7      | ••• Keeper Assy .....                                                                                                              | 4          |
| 20                 | PAOZZ              | 02731       | HS4494-4-700       | •••• Wire Rope Assembly, .....                                                                                                     | 1          |
| 21                 | PAOZZ              | 80205       | NAS1090-2          | •••• Hook, Chain, S .....                                                                                                          | 1          |
| 22                 | PAOZZ              | 8V613       | 7-362120165-15     | •••• Spacer, Plate .....                                                                                                           | 1          |
| 23                 | XDOOO              | 8V613       | 7-362120165-5      | ••• Pin Assy .....                                                                                                                 | 4          |
| 24                 | PAOZZ              | 8V613       | 7-362120165-16     | •••• Pin, Quick Release .....                                                                                                      | 1          |
| 25                 | PAOZZ              | 02731       | HS4494-4-400       | •••• Wire Rope Assembly .....                                                                                                      | 1          |
| 26                 | PAOZZ              | 80205       | NAS1090-2          | •••• Hook, Chain, S .....                                                                                                          | 1          |
| 27                 | XDOZZ              | 02731       | HS5216-1           | ••• Plate, Ident .....                                                                                                             | 1          |
| 28                 | XDOOO              | 8V613       | 7-262110064-601    | • Fixture, Mount M/R Driveshaft .....                                                                                              | 1          |
| 29                 | XDOOO              | 8V613       | 7-262110064-41     | •• Top Assembly .....                                                                                                              | 1          |
| 30                 | MFOZZ              | 8V613       | 7-262110064-47     | ••• Pad .....                                                                                                                      | 1          |
| 31                 | XDOOO              | 8V613       | 7-262110064-65     | •• Bottom Assembly .....                                                                                                           | 1          |
| 32                 | MFOZZ              | 8V613       | 7-262110064-43     | ••• Pad .....                                                                                                                      | 1          |
| 33                 | PAOZZ              | 80205       | NAS623-3-4         | ••• Screw, Machine .....                                                                                                           | 2          |
| 34                 | PAOZZ              | 80205       | MS21042-3          | ••• Nut, Self-Locking, Ex .....                                                                                                    | 2          |
| 35                 | PAOZZ              | 02731       | HS4494-4400        | ••• Wire Rope Assembly .....                                                                                                       | 2          |
| 36                 | PAOZZ              | 80205       | NAS1336A3C070      | ••• Pin, Quick Release .....                                                                                                       | 2          |
| 37                 | MFOZZ              | 8V613       | 7-262110064-45     | ••• Pad .....                                                                                                                      | 1          |
| 38                 | XDOZZ              | 02731       | HS5216-2           | •• Plate, Ident .....                                                                                                              | 1          |
| 39                 | XDOOO              | 8V613       | 7-262110028        | • Adapter Assembly, Ro (See Fig. 754 for Breakdown) .....                                                                          | 1          |
| 40                 | XDOOO              | 8V613       | 7-262200003-601    | • Adapter, Eng Handlin (See Fig. 756 for Breakdown) .....                                                                          | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                    |            |



M09-816B

Figure 754. Group 80 Adapter Assembly, Main Rotor Blade Handling  
7-262110028

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 754 Adapter Assembly,<br>Main Rotor Blade Handling<br>7-262110028<br>See Fig. 753 for NHA |            |
| 1                  | PAOZZ              | 80205       | NAS6209-6          | • Bolt, Shear .....                                                                                                      | 8          |
| 2                  | PAOZZ              | 96906       | MS35338-144        | • Washer, Lock .....                                                                                                     | 8          |
| 3                  | PAOZZ              | 88044       | AN960C916          | • Washer, Flat .....                                                                                                     | 12         |
| 4                  | XDOZZ              | 02731       | HS9008-0002        | • Trolley, I-Beam .....                                                                                                  | 4          |
| 5                  | PAOZZ              | 80205       | NAS1338A3C06D      | • Pin, Quick Release .....                                                                                               | 4          |
| 6                  | PAOZZ              | 02731       | HS4494-4500        | • Wire Rope Assembly .....                                                                                               | 4          |
| 7                  | XDOOO              | 8V613       | 7-262110028-9      | • Post Assembly .....                                                                                                    | 2          |
| 8                  | XDOOO              | 8V613       | 7-262110028-11     | • Post Assembly .....                                                                                                    | 2          |
| 9                  | MFOZZ              | 8V613       | 7-262110028-77     | • • Bar, Bumper .....                                                                                                    | 2          |
| 10                 | MFOZZ              | 8V613       | 7-262110028-71     | • • Bar, Bumper .....                                                                                                    | 1          |
| 11                 | MFOZZ              | 8V613       | 7-262110028-67     | • • Bar, Bumper .....                                                                                                    | 1          |
| 12                 | MFOZZ              | 8V613       | 7-262110028-65     | • • Pad .....                                                                                                            | 2          |
| 13                 | MFOZZ              | 8V613       | 7-262110028-73     | • • Bar, Bumper .....                                                                                                    | 1          |
| 14                 | MFOZZ              | 8V613       | 7-262110028-69     | • • Bar, Bumper .....                                                                                                    | 3          |
| 15                 | PAOZZ              | 96906       | MS21045-9          | • Nut, Self-Locking, He .....                                                                                            | 4          |
| 16                 | PAOZZ              | 80205       | NAS1251A10-48      | • Bolt, Ring .....                                                                                                       | 4          |
| 17                 | XDOZZ              | 02731       | HS5068-0004        | • Strap, Webbing .....                                                                                                   | 2          |
| 18                 | XDOZZ              | 02731       | HS5216-2           | • Plate, Identificatio .....                                                                                             | 1          |
| 19                 | XAOZZ              | 8V613       | 7-262110028-3      | • Adapter, Welded Assy .....                                                                                             | 1          |
| 20                 | MOOZZ              | 8V613       | 7-262100011-3      | Cable, Wire .....                                                                                                        | 1          |
| 21                 | PAOZZ              | 96906       | MS51844-62         | Swaging Sleeve, Wire .....                                                                                               | 2          |
| 22                 | XDOZZ              | 8V613       | 7-262100011-7      | Plate, Comp Assy .....                                                                                                   | 1          |
| 23                 | XDOZZ              | 02731       | HS5216-2           | Plate, Identificatio .....                                                                                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                          |            |

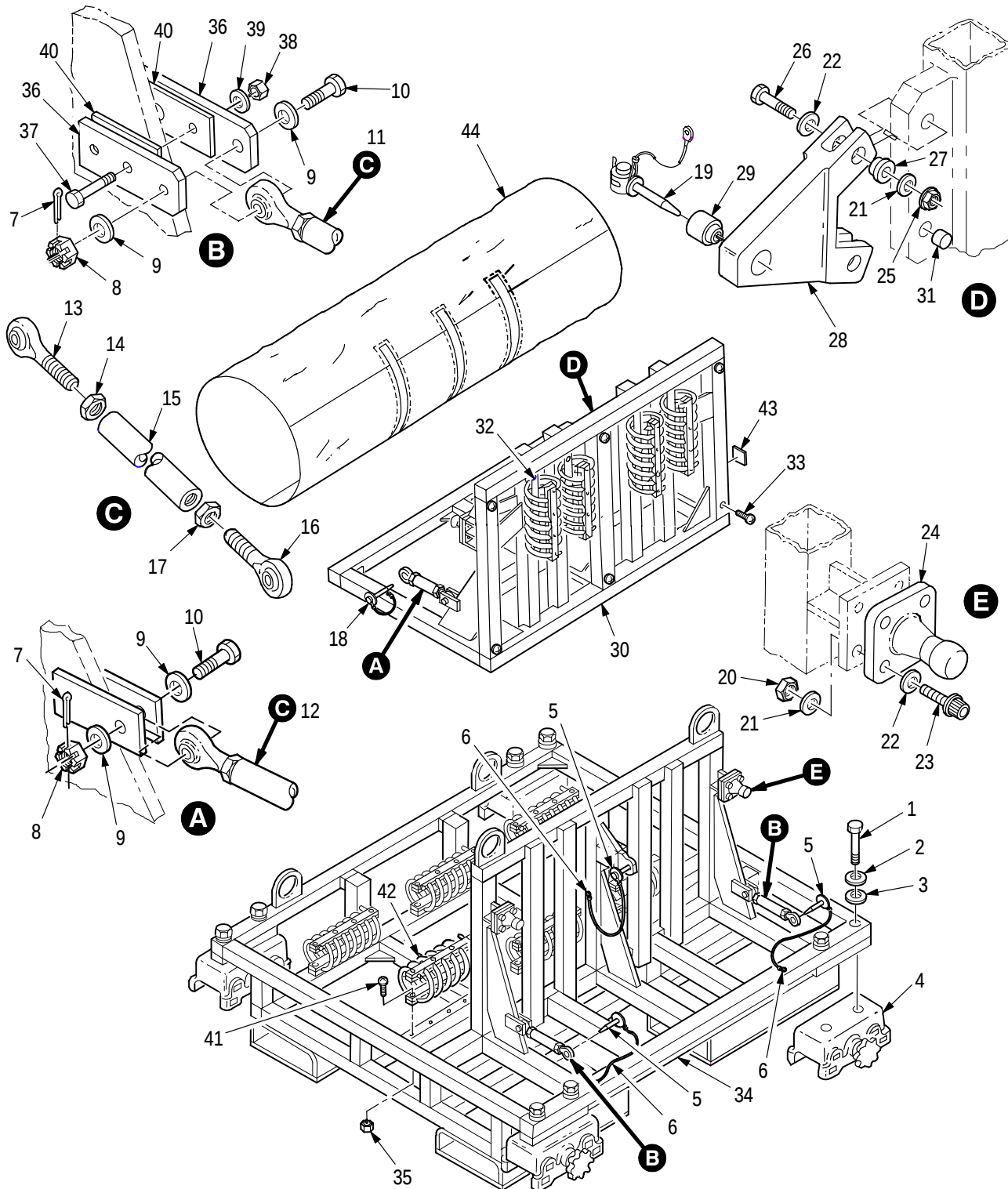


M09-1228

Figure 755. Group 80 Tool Kit, Aircraft Main Rotor Head  
64-001-1234 (35151)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                          | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 755 Tool Kit, Aircraft Main Rotor Head<br>64-001-1234 (35151)<br>See Fig. 715 for NHA |            |
| 1                  | PAOZZ              | 96906       | MS9881-17          | • Nut, Plain, Hexagon .....                                                                                          | 1          |
| 2                  | PAOZZ              | 35151       | 64-001-1234-11     | • Liner, Bearing Housi .....                                                                                         | 1          |
| 3                  | PAOZZ              | 35151       | NICE-610           | • Bearing, Ball, Thrust .....                                                                                        | 1          |
| 4                  | PAOZZ              | 35151       | 64-001-1234-2      | • Fixture, Aircraft Ma .....                                                                                         | 1          |
| 5                  | PAOZZ              | 35151       | 64-001-1234-3      | • Pin, Shoulder, Headle .....                                                                                        | 4          |
| 6                  | PAOZZ              | 88044       | AN315-12R          | • Nut, Plain, Hexagon .....                                                                                          | 1          |
| 7                  | PAOZZ              | 35151       | 64-001-1234-4      | • Bolt, Machine .....                                                                                                | 1          |
| 8                  | PAOZZ              | 35151       | 64-001-1234-5      | • Screw, Machine .....                                                                                               | 1          |
| 9                  | PAOZZ              | 35151       | 64-001-1234-6      | • Fixture, Aircraft Ma .....                                                                                         | 1          |
| 10                 | PAOZZ              | 88044       | AN4-24A            | • Bolt, Machine .....                                                                                                | 4          |
| 11                 | XDOZZ              | 62060       | LW1185-2-6-00      | • Wire Rope Assembly .....                                                                                           | 4          |
| 12                 | PAOZZ              | 96906       | MS35338-44         | • Washer, Lock .....                                                                                                 | 4          |
| 13                 | PAOZZ              | 81352       | AN340-416          | • Nut, Plain, Hexagon .....                                                                                          | 4          |
| 14                 | PAOZZ              | 62060       | LA4BR2500          | • Pin, Quick Release .....                                                                                           | 4          |
| 15                 | XAOZZ              | 35151       | 64-001-1234-8      | • Shoe, Puller, Fixture .....                                                                                        | 4          |
| 16                 | PAOZZ              | 35151       | 64-001-1234-78     | • Leg Assembly, Mechan .....                                                                                         | 4          |
| 17                 | PAOZZ              | 35151       | 64-001-1234-9      | • Inserter, Seal .....                                                                                               | 1          |
| 18                 | PAOZZ              | 35151       | 64-001-1234-10     | • Support, Shipping An .....                                                                                         | 1          |
| 19                 | XDOZZ              | 03663       | MP101203           | • Shipping and Storag .....                                                                                          | 1          |
| 20                 | XDOZZ              | 15563       | CSA 011            | • Plate, Identificatio .....                                                                                         | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                      |            |

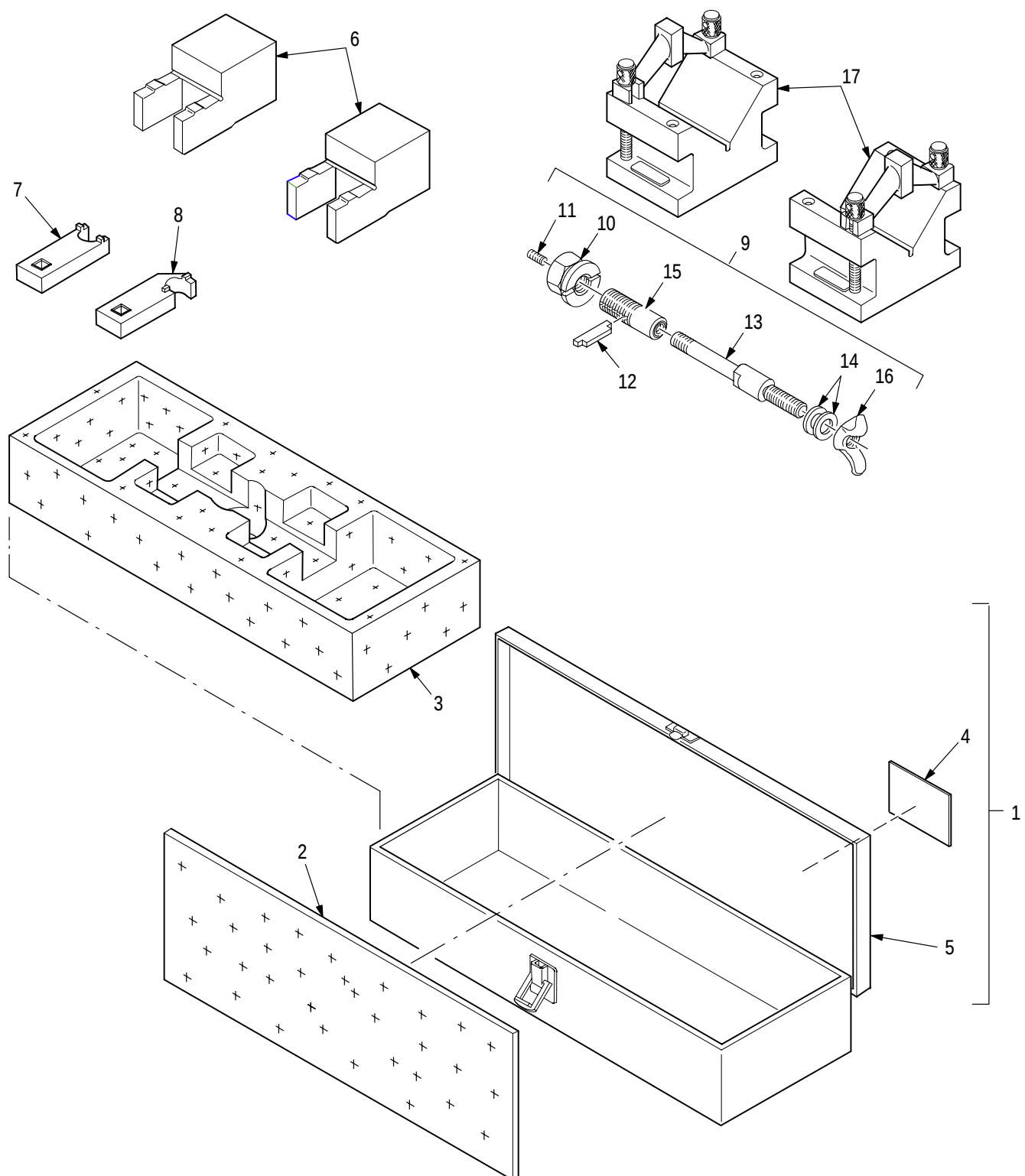




M09-817F

Figure 756. Group 80 Adapter Assembly, Engine Handling  
7-262200003-601

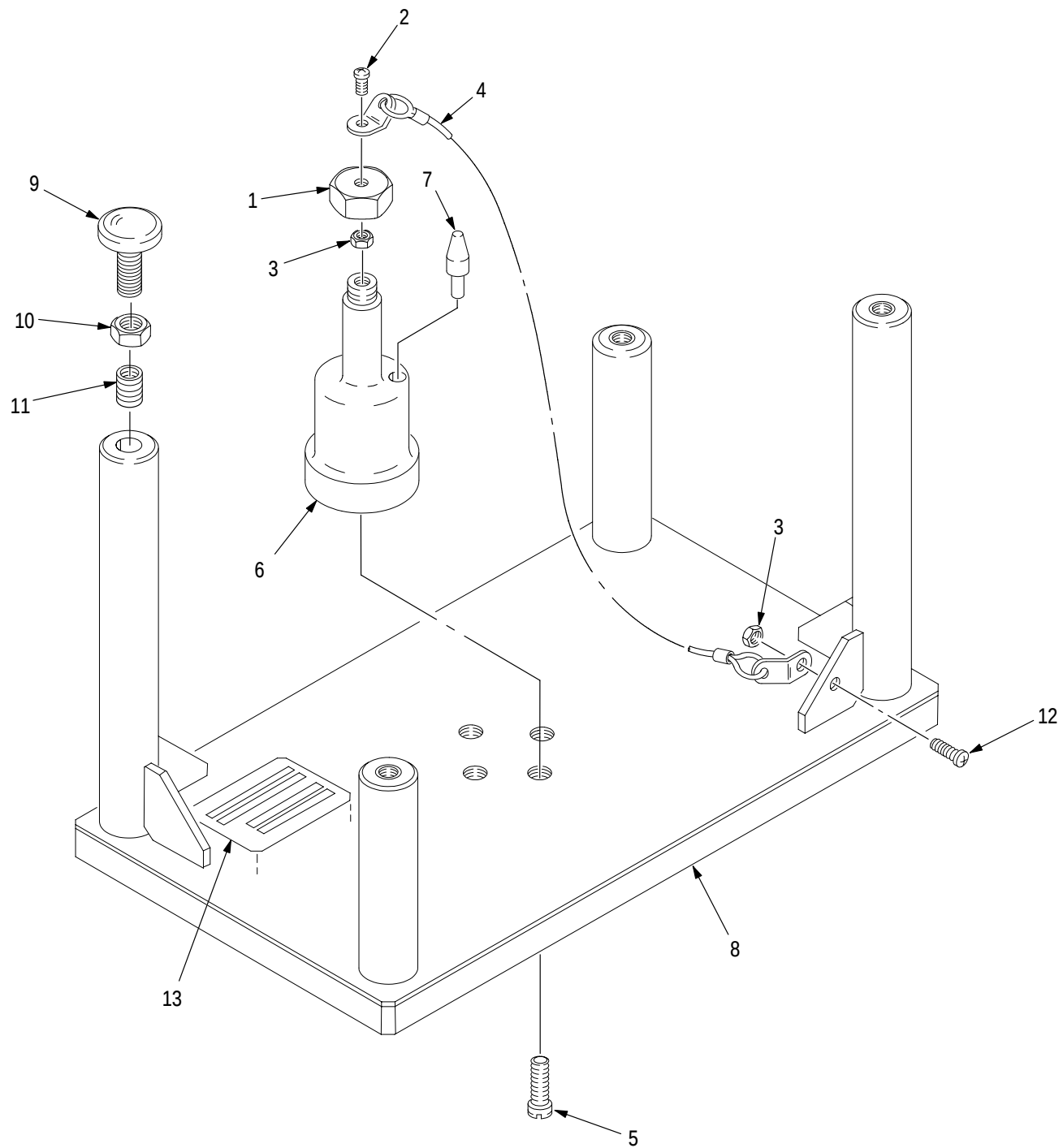
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 756 Adapter Assembly, Engine Handling<br>7-262200003-601<br>See Fig. 753 for NHA |            |
| 1                  | PAOZZ              | 80205       | NAS6209-54         | • Bolt, Shear .....                                                                                             | 8          |
| 2                  | PAOZZ              | 96906       | MS35338-144        | • Washer, Lock .....                                                                                            | 8          |
| 3                  | PAOZZ              | 88044       | AN960C916          | • Washer, Flat .....                                                                                            | 8          |
| 4                  | XDOZZ              | 02731       | HS9008-0002        | • Trolley, I-Beam .....                                                                                         | 4          |
| 5                  | PAOZZ              | 96906       | MS17984C615        | • Pin, Quick Release .....                                                                                      | 3          |
| 6                  | PAOZZ              | 02731       | HS4494-41200       | • Wire Rope Assembly .....                                                                                      | 3          |
| 7                  | PAOZZ              | 80205       | MS24665-136        | • Pin, Cotter .....                                                                                             | 5          |
| 8                  | PAOZZ              | 88044       | AN320C6            | • Nut, Plain, Slotted, H .....                                                                                  | 5          |
| 9                  | PAOZZ              | 88044       | AN960C-616         | • Washer, Flat .....                                                                                            | 10         |
| 10                 | PAOZZ              | 80205       | NAS1306-14D        | • Bolt, Shear .....                                                                                             | 5          |
| 11                 | XDOOO              | 8V613       | 7-262210007-3      | • Link Assy .....                                                                                               | 3          |
| 12                 | XDOOO              | 8V613       | 7-262210007        | • Link Assy, Support .....                                                                                      | 2          |
| 13                 | XDOZZ              | 02731       | HS4607-6           | • • Bearing, Ball, Rod En .....                                                                                 | 1          |
| 14                 | PAOZZ              | 88044       | AN316C7R           | • • Nut, Plain, Hexagon .....                                                                                   | 1          |
| 15                 | XDOZZ              | 8V613       | 7-262210007-5      | • • Link FWD (U/O P/N 7-262210007) .....                                                                        | 1          |
| 15                 | XDOZZ              | 8V613       | 7-262210007-7      | • • Link AFT (U/O P/N 7-262210007-3) .....                                                                      | 1          |
| 16                 | XDOZZ              | 02731       | HS4607-6L          | • • Rod End .....                                                                                               | 1          |
| 17                 | PAOZZ              | 88044       | AN316C7L           | • • Nut, Plain, Hexagon .....                                                                                   | 1          |
| 18                 | XDOZZ              | 8V613       | 7-211670101        | • Pin, Quick Release .....                                                                                      | 2          |
| 19                 | XDOZZ              | 8V613       | 7-211670103        | • Pin, Quick Release .....                                                                                      | 2          |
| 20                 | PAOZZ              | 80205       | MS21044N5          | • Nut, Self-Locking, He .....                                                                                   | 16         |
| 21                 | PAOZZ              | 80205       | NAS1149C0532R      | • Washer, Flat .....                                                                                            | 18         |
| 22                 | PAOZZ              | 96906       | MS20002C5          | • Washer, Recessed .....                                                                                        | 18         |
| 23                 | PAOZZ              | 96906       | MS21250H05010      | • Bolt, Shear .....                                                                                             | 16         |
| 24                 | XDOZZ              | 8V613       | 7-311670131-3      | • Support, Engine Moun .....                                                                                    | 4          |
| 25                 | PAOZZ              | 96906       | MS21043-5          | • Nut, Self-Locking, Ex .....                                                                                   | 2          |
| 26                 | PAOZZ              | 80205       | NAS6605-11         | • Bolt, Shear .....                                                                                             | 2          |
| 27                 | XDOZZ              | 02731       | HS5542-05003       | • Bushing, Sleeve .....                                                                                         | 2          |
| 28                 | XDOOO              | 8V613       | 7-262210006        | • Support, Primary .....                                                                                        | 1          |
| 29                 | XDOZZ              | 02731       | HS4157-6           | • • Bearing, Plain, Self- .....                                                                                 | 1          |
| 30                 | XDOOO              | 8V613       | 7-262210003        | • Shock .....                                                                                                   | 1          |
| 31                 | XDOZZ              | 02731       | HS4612-5           | • • Bearing .....                                                                                               | 2          |
| 32                 | PAOZZ              | 80205       | NAS1330C4K271      | • • Nut, Plain, Blind Riv .....                                                                                 | 40         |
| 33                 | PAOZZ              | 80205       | MS21318-57         | • • Screw, Drive .....                                                                                          | 6          |
| 34                 | XDOOO              | 8V613       | 7-262210004-601    | • Support Assy Fix Mount .....                                                                                  | 1          |
| 35                 | PAOZZ              | 80205       | NAS1330C4K271      | • • Nut, Plain, Blind Riv .....                                                                                 | 40         |
| 36                 | XDOZZ              | 8V613       | 7-262210004-87     | • • Plate .....                                                                                                 | 4          |
| 37                 | PAOZZ              | 80205       | NAS6604-16         | • • Bolt, Shear .....                                                                                           | 4          |
| 38                 | PAOZZ              | 80205       | MS21042-4          | • • Nut, Self-Locking, Ex .....                                                                                 | 4          |
| 39                 | PAOZZ              | 88044       | AN960C416          | • • Washer, Flat .....                                                                                          | 4          |
| 40                 | XDOZZ              | 8V613       | 7-262210004-89     | • • Shim .....                                                                                                  | 2          |
| 41                 | PAOZZ              | 96906       | MS51960-88         | • Screw, Machine .....                                                                                          | 80         |
| 42                 | XDOZZ              | 02731       | HS5092-0003        | • Mount, Resilient .....                                                                                        | 10         |
| 43                 | XDOZZ              | 02731       | HS5216-1           | • Plate, Ident .....                                                                                            | 1          |
| 44                 | XDOZZ              | 8V613       | 7-262210005        | • Cover .....                                                                                                   | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                 |            |



M09-1173C

Figure 757. Group 80 Tool Kit, Aircraft Maintenance (AVIM)  
7-363100003-603

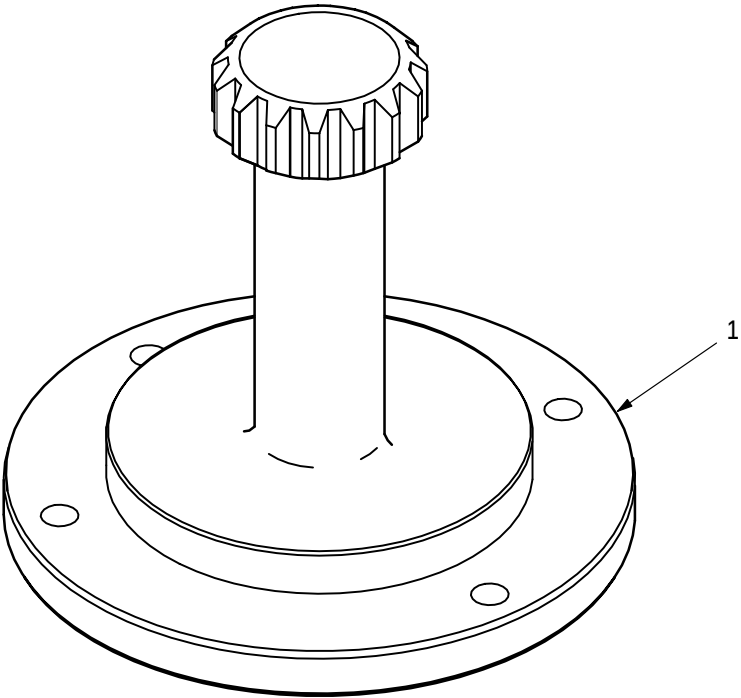
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                         | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 757 Tool Kit, Aircraft Maintenance (AVIM)<br>7-363100003-603<br>See Fig. 717 for NHA |            |
| 1                  | XDFFF              | 8V613       | 7-363110007-601    | • Container Assembly .....                                                                                          | 1          |
| 2                  | XDFZZ              | 8V613       | 7-363110007-5      | •• Filler, Lid .....                                                                                                | 1          |
| 3                  | XDFZZ              | 8V613       | 7-363110007-7      | •• Filler, Bottom .....                                                                                             | 1          |
| 4                  | XDFZZ              | 02731       | HS5216-2           | •• Plate, Identificatio .....                                                                                       | 1          |
| 5                  | XAFZZ              | 8V613       | 7-363120012        | •• Container .....                                                                                                  | 1          |
| 6                  | PEFZZ              | 8V613       | 7-363110008        | • Gage Block Set .....                                                                                              | 1          |
| 7                  | PEFZZ              | 8V613       | 7-363110009        | • Wrench, Spanner .....                                                                                             | 1          |
| 8                  | PEFZZ              | 8V613       | 7-363110010        | • Adapter, Torque Wren .....                                                                                        | 1          |
| 9                  | AFFFF              | 8V613       | 7-363110017-603    | • Tool, Installation .....                                                                                          | 1          |
| 10                 | PEFZZ              | 8V613       | 7-363110017-11     | •• Nut, Sleeve .....                                                                                                | 1          |
| 11                 | PAFZZ              | 80205       | NAS1081C4D8        | •• Setscrew .....                                                                                                   | 1          |
| 12                 | PEFZZ              | 8V613       | 7-363110017-19     | •• Key, Machine .....                                                                                               | 1          |
| 13                 | PAFZZ              | 8V613       | 7-363110017-7      | •• Stud, Shouldered .....                                                                                           | 1          |
| 14                 | PAFZZ              | 96906       | MS15795-931        | •• Washer, Flat .....                                                                                               | 2          |
| 15                 | PAFZZ              | 8V613       | 7-363110017-13     | •• Post, Electrical-Mec .....                                                                                       | 1          |
| 16                 | PAFZZ              | 96906       | MS35425-75         | •• Nut, Plain, Wing .....                                                                                           | 1          |
| 17                 | PEFZZ              | 59025       | 9130               | • V-Block .....                                                                                                     | V          |
| END OF FIGURE      |                    |             |                    |                                                                                                                     |            |



M09-1135

Figure 758. Group 80 Fixture, Tail Rotor Head Assembly and Repair (AVIM)  
7-363100002

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 758 Fixture, Tail Rotor Head<br>Assembly and Repair (AVIM)<br>7-363100002<br>See Fig. 717 for NHA |            |
| 1                  | PEFZZ              | 8V613       | 7-363110013-5      | • Nut, Plain, Hexagon .....                                                                                                      | 1          |
| 2                  | PAFZZ              | 02731       | HS4179-3-2         | • Screw, Machine .....                                                                                                           | 1          |
| 3                  | PAFZZ              | 96906       | MS21043-3          | • Nut, Self-Locking, Ex .....                                                                                                    | 2          |
| 4                  | PAFZZ              | 02731       | HS5154-1214        | • Wire Rope Assembly .....                                                                                                       | 1          |
| 5                  | XDFZZ              | 80205       | NAS146-18          | • Bolt, Internal Wrenc .....                                                                                                     | 4          |
| 6                  | PEFZZ              | 8V613       | 7-363110013-3      | • Pedestal, Detail, Tai .....                                                                                                    | 1          |
| 7                  | PEFZZ              | 8V613       | 7-363110013-13     | • Pin, Shoulder, Headless .....                                                                                                  | 1          |
| 8                  | XAFZZ              | 8V613       | 7-363100002-3      | • Weld Assy .....                                                                                                                | 1          |
| 9                  | PEFZZ              | 8V613       | 7-363110013-7      | • Rest Assembly, Screw .....                                                                                                     | 4          |
| 10                 | PAFZZ              | 96906       | MS21045C6          | • Nut, Self-Locking, He .....                                                                                                    | 4          |
| 11                 | PAFZZ              | 96906       | MS51831-204L       | • Insert, Screw Thread .....                                                                                                     | 4          |
| 12                 | PAFZZ              | 02731       | HS4179-3-4         | • Screw, Machine .....                                                                                                           | 1          |
| 13                 | XDFZZ              | 02731       | HS5216-1           | • Plate, Ident .....                                                                                                             | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                  |            |

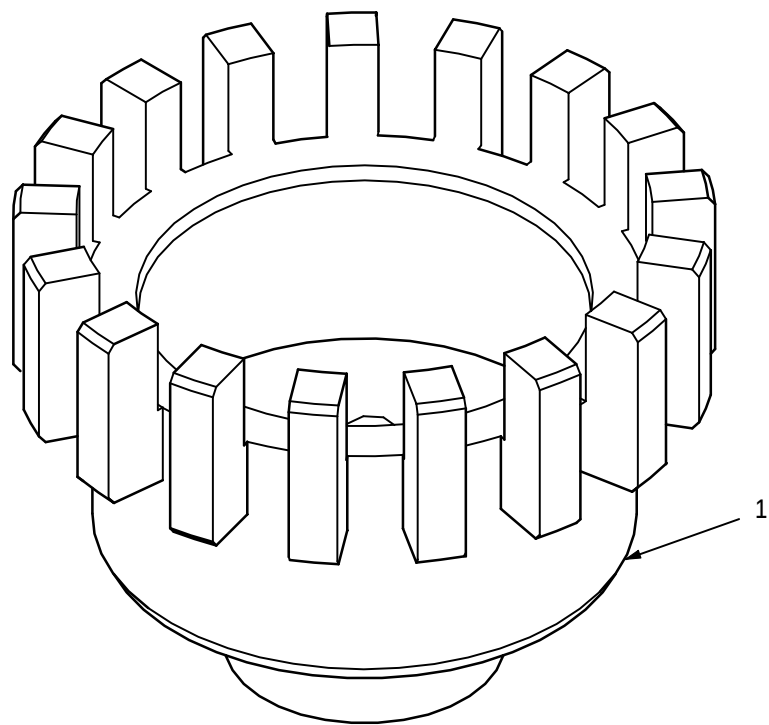


M09-1241

Figure 759. Group 80 Brake, Input Pinion Gear

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                  | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------|------------|
| 1                  | PBOZZ              | 60168       | 140036             | Group 80 Special Tools<br>Fig. 759 Brake, Input Pinion Gear<br>· Fixture, Aircraft Ma .....<br>END OF FIGURE | 1          |

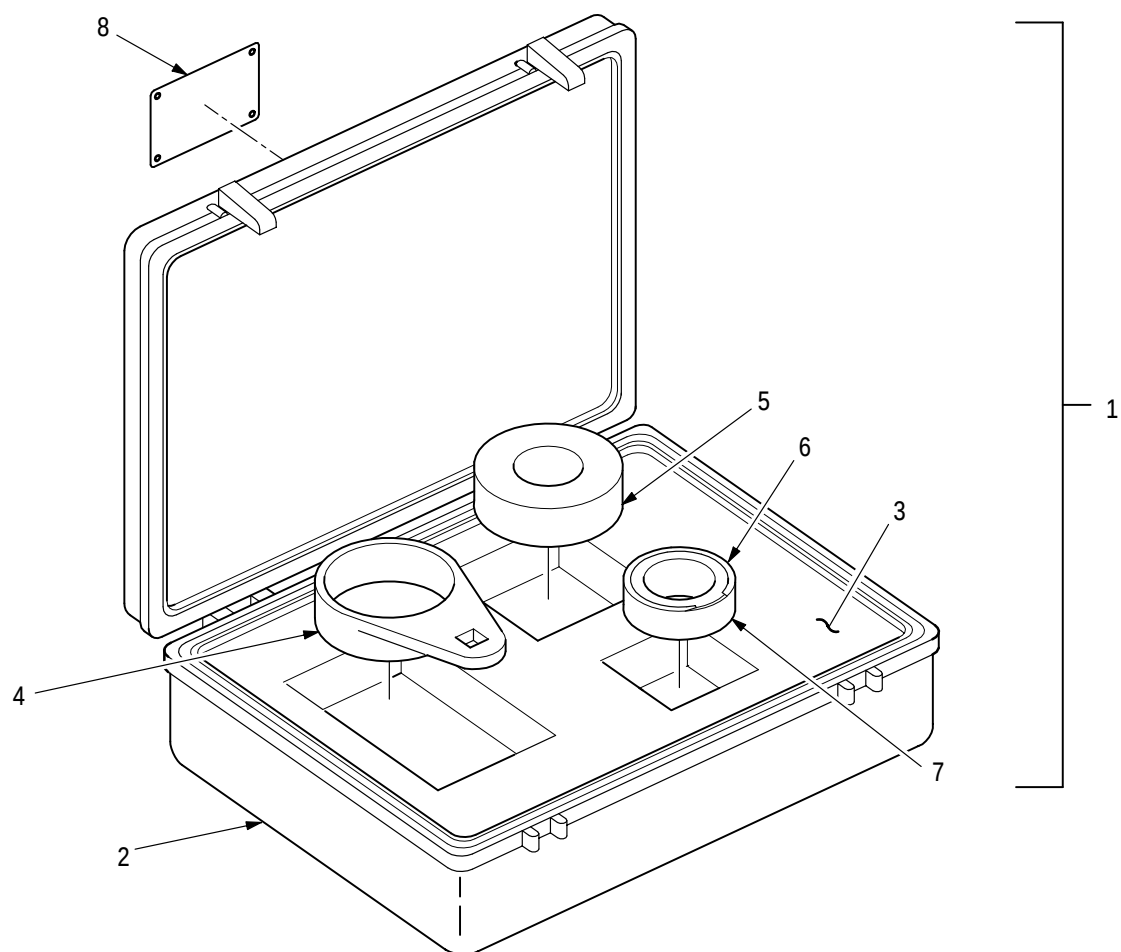




M09-1242

Figure 760. Group 80 Socket, Rotor Brake

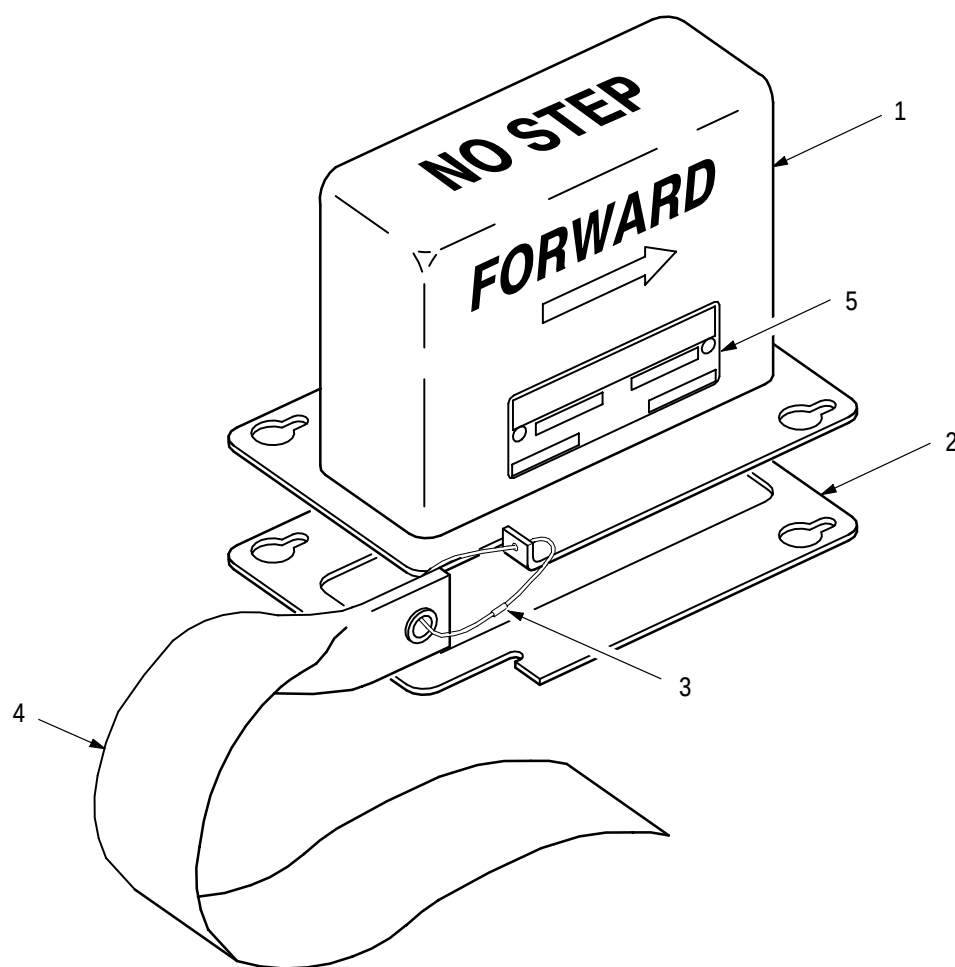
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                              | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------------------------------------------------|------------|
| 1                  | PBOZZ              | 60168       | 140017-1           | Group 80 Special Tools<br>Fig. 760 Socket, Rotor Brake<br>· Socket, Wrench, Faces .....<br>END OF FIGURE | 1          |



M09-1243A

Figure 761. Group 80 Socket, Locknut Set

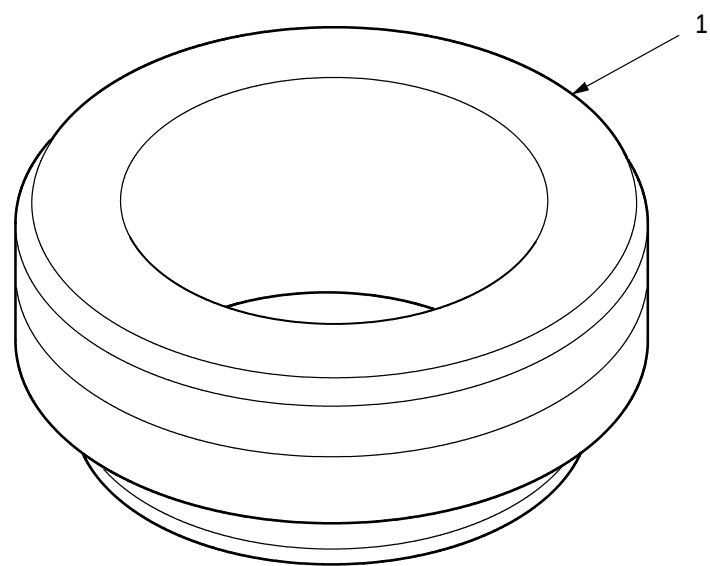
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 761 Socket, Locknut Set |            |
| 1                  | XDOOO              | 60168       | 140079             | • Socket Set, Locknut .....                            | 1          |
| 2                  | XDOZZ              | 65442       | PP-1400            | •• Box .....                                           | 1          |
| 3                  | XDOZZ              | 60168       | 140078             | •• Insert .....                                        | 1          |
| 4                  | PAOZZ              | 60168       | 140035-1           | •• Socket, Wrench, Face .....                          | 1          |
| 5                  | PAOZZ              | 60168       | 140077-1           | •• Cap, Valve .....                                    | 1          |
| 6                  | PAOZZ              | 80756       | UR-225-S           | •• Ring, Retaining .....                               | 1          |
| 7                  | XDOZZ              | 60168       | 140085-1           | •• Screw, Machine .....                                | 1          |
| 8                  | XDOZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio .....                          | 1          |
| END OF FIGURE      |                    |             |                    |                                                        |            |



M09-1244

Figure 762. Group 80 Cover, Ice Sensor Assembly

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                   | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 762 Cover, Ice Sensor Assembly |            |
| 1                  | PBOOO              | 60168       | 140026             | • Guard, Aircraft Grou .....                                  | 1          |
| 2                  | PAOZZ              | 60168       | 140025-1           | •• Gasket .....                                               | 1          |
| 3                  | PAOZZ              | 96906       | MS51844-82         | •• Swaging Sleeve, Wire .....                                 | 1          |
| 4                  | PAOZZ              | 80205       | NAS1756-24         | •• Streamer, Warning .....                                    | 1          |
| 5                  | XDOZZ              | 60168       | 070023-1           | •• Plate, Identificatio .....                                 | 1          |
| END OF FIGURE      |                    |             |                    |                                                               |            |

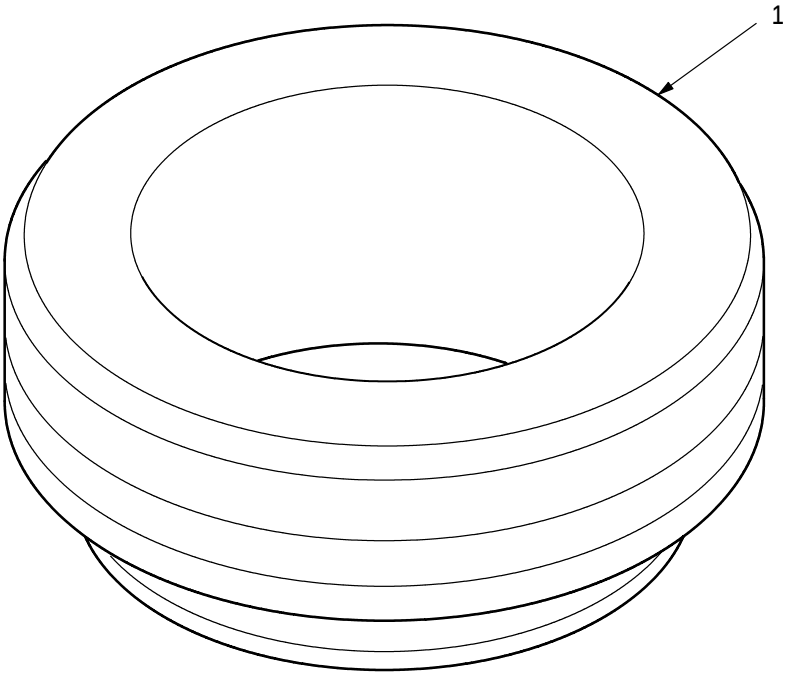


M09-1245

Figure 763. Group 80 Tool, Output Shaft Seal Installation

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------------------------------------------|------------|
| 1                  | PBFZZ              | 60168       | 140004             | Group 80 Special Tools<br>Fig. 763 Tool, Output Shaft Seal Installation<br>· Inserter, Seal .....<br>END OF FIGURE | 1          |

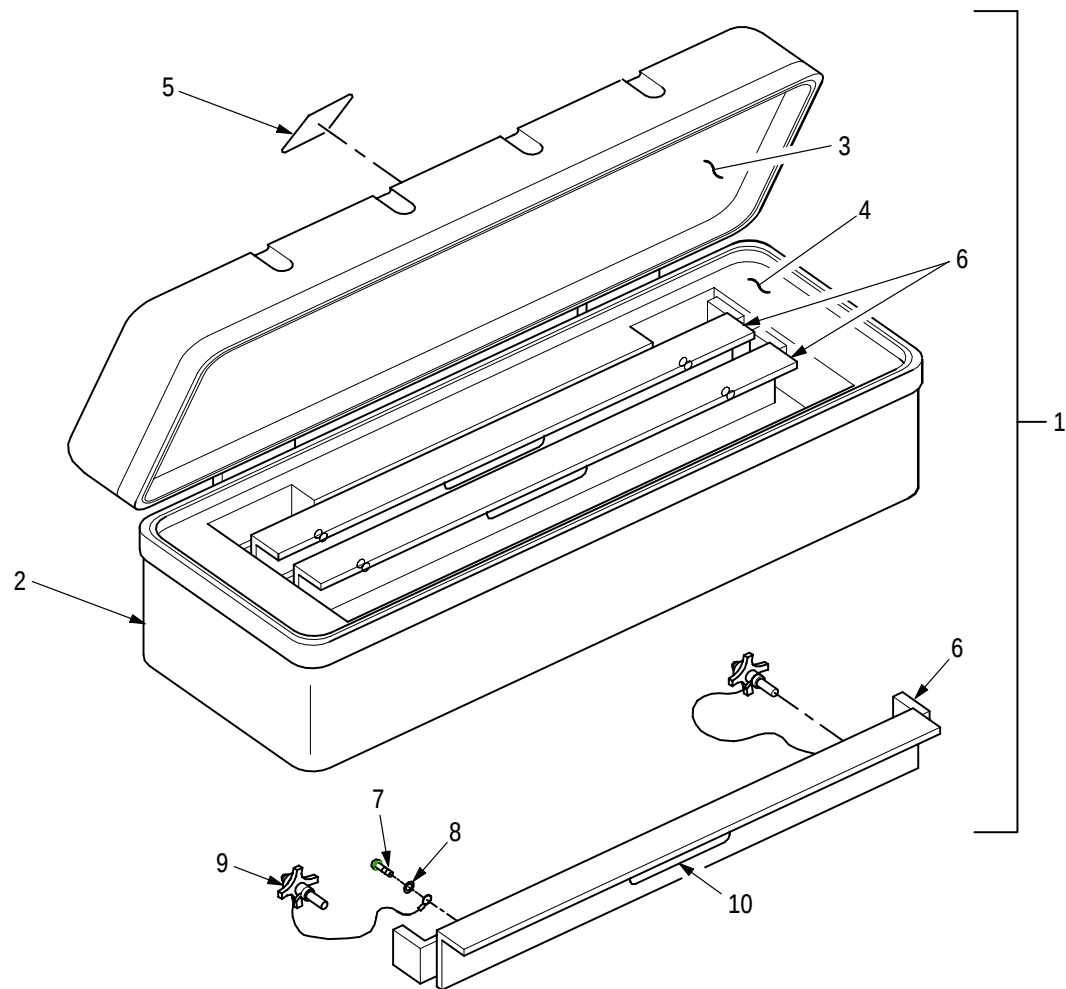




M09-1246

Figure 764. Group 80 Tool, Input Shaft Seal Installation

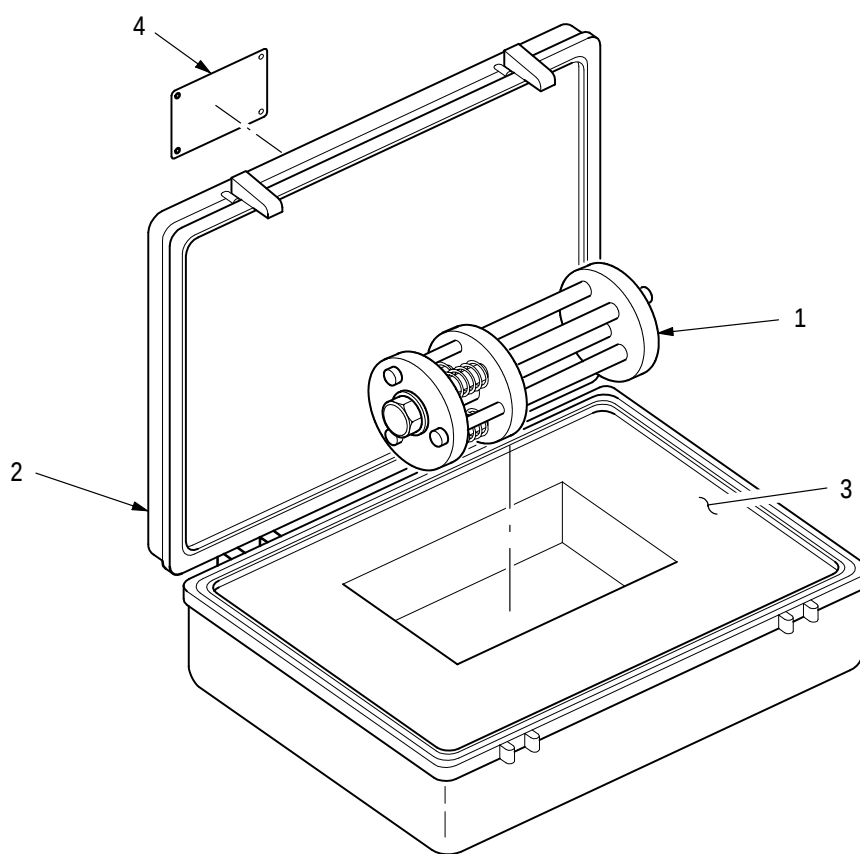
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------------|------------|
| 1                  | PBFZZ              | 60168       | 140008             | Group 80 Special Tools<br>Fig. 764 Tool, Input Shaft Seal Installation<br>· Inserter, Seal .....<br>END OF FIGURE | 1          |



M09-1247A

Figure 765. Group 80 Kit, Spreader Bar/Positioning

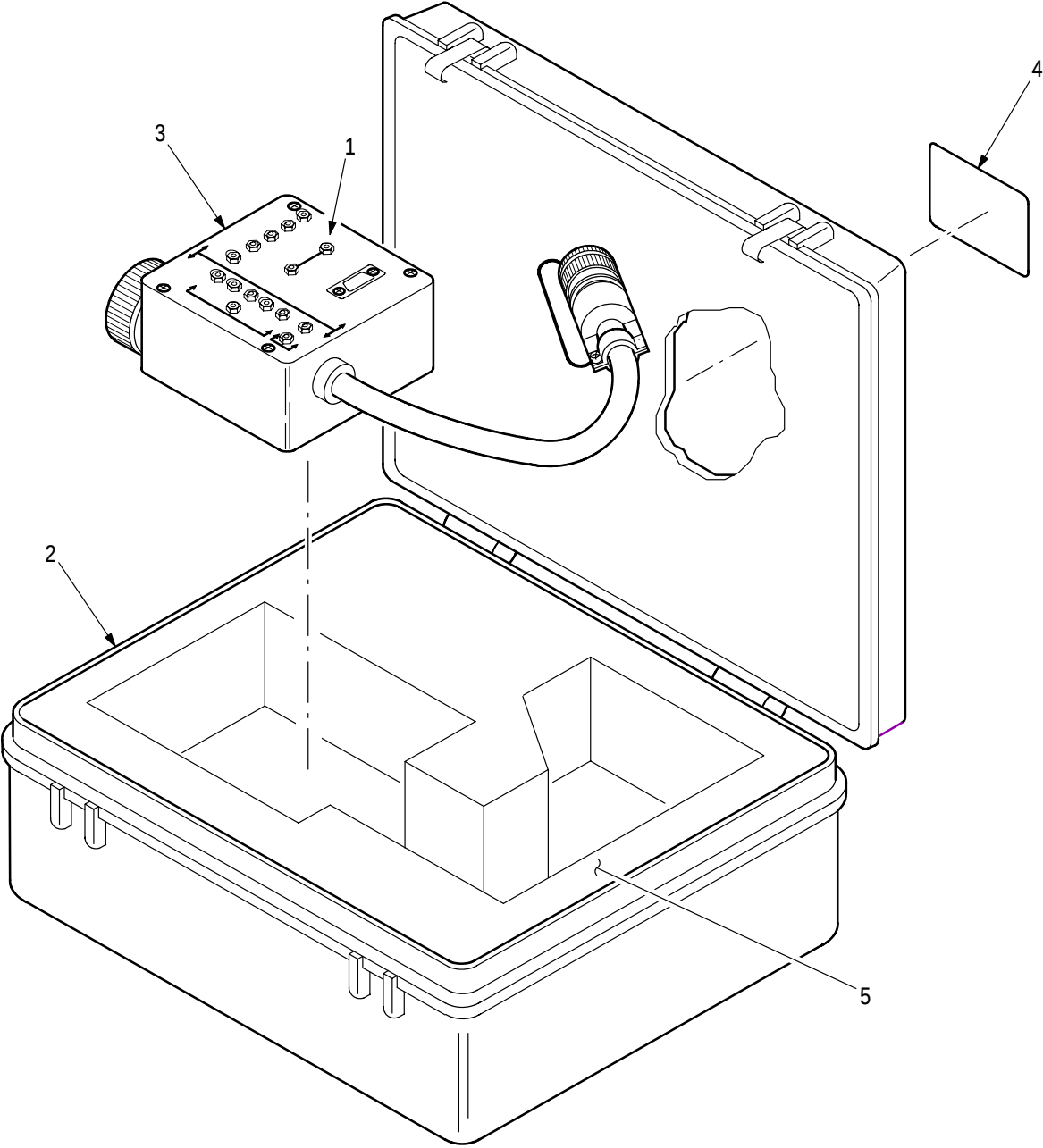
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 765 Kit, Spreader Bar/Positioning |            |
| 1                  | PBOOO              | 60168       | 140098             | • Spreader Bar Kit .....                                         | 1          |
| 2                  | XDOZZ              | 29724       | 102401-2           | •• Case, Spreader Bar .....                                      | 1          |
| 3                  | XDOZZ              | 60168       | 140097-2           | •• Insert, Top .....                                             | 1          |
| 4                  | XDOZZ              | 60168       | 140097-1           | •• Insert, Bottom .....                                          | 1          |
| 5                  | XDFZZ              | 60168       | 003-84-0006        | •• Plate, Identificatio .....                                    | 1          |
| 6                  | XDOOO              | 60168       | 140096             | •• Spreader Bar .....                                            | 1          |
| 7                  | PAOZZ              | 96906       | MS51957-13         | ••• Screw, Machine .....                                         | 2          |
| 8                  | PAOZZ              | 80205       | MS15795-803        | ••• Washer, Flat .....                                           | 2          |
| 9                  | PAOZZ              | 99862       | CL-5-ABPK-1-C      | ••• Pin, Quick Release .....                                     | 2          |
| 10                 | XDOZZ              | 60168       | 070023-1           | ••• Plate, Identificatio .....                                   | 1          |
| END OF FIGURE      |                    |             |                    |                                                                  |            |



M09-1248A

Figure 766. Group 80 Teeter Stop Bonding Fixture

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|----------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 766 Teeter Stop Bonding Fixture |            |
| 1                  | PBOFF              | 60168       | 140065             | • Fixture, Aircraft Ma .....                                   | 1          |
| 2                  | XAFZZ              | 65442       | PP-1400            | •• Box .....                                                   | 1          |
| 3                  | XDFZZ              | 60168       | 140064             | •• Insert, Bonding Fix .....                                   | 1          |
| 4                  | XDFZZ              | 60168       | 003-84-006         | •• Plate, Identificatio .....                                  | 1          |
| END OF FIGURE      |                    |             |                    |                                                                |            |



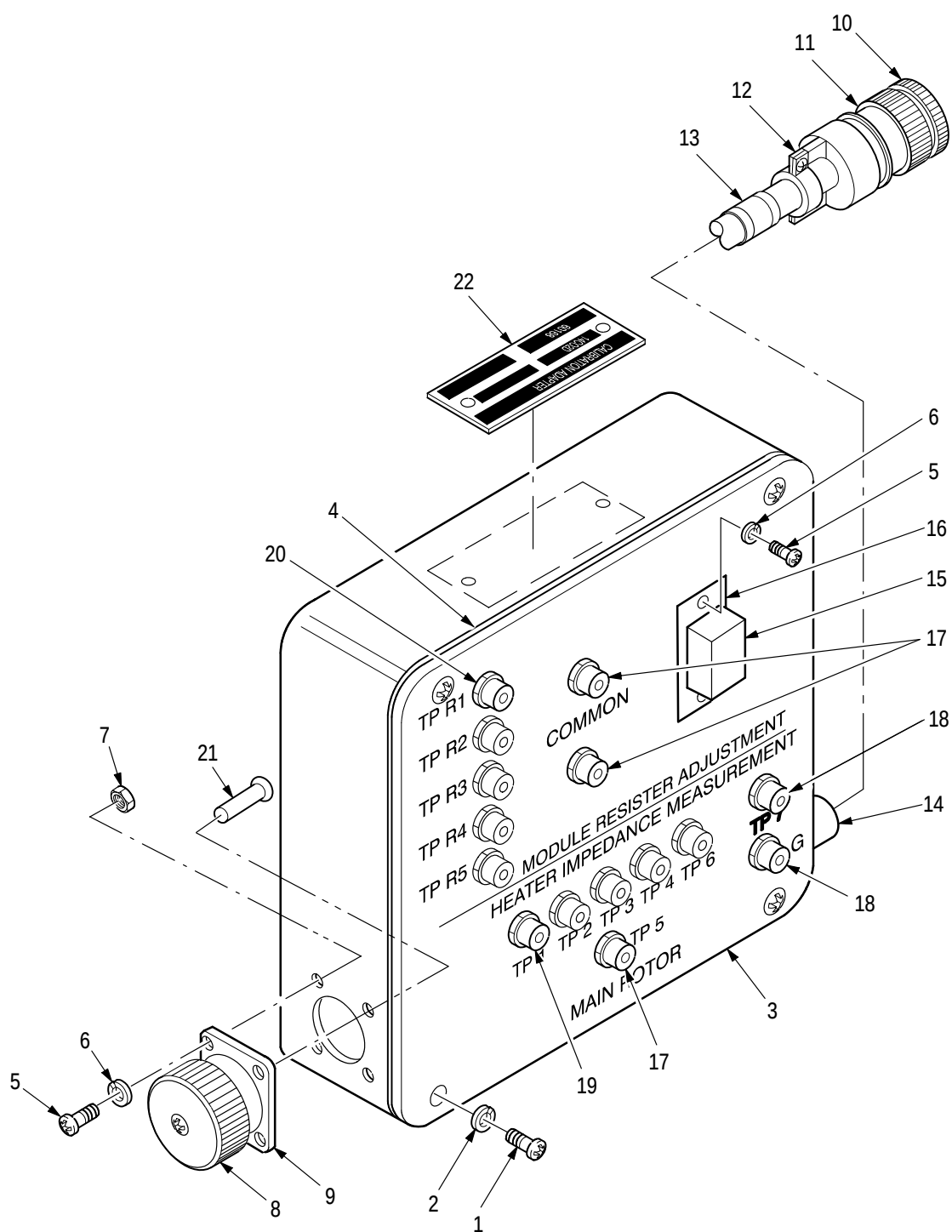
M09-1252B



Figure 767. Group 80 Adapter Assembly, Calibration

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                      | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 767 Adapter Assembly, Calibration |            |
| 1                  | PBOFF              | 60168       | 140054             | • Adapter, Test .....                                            | 1          |
| 2                  | XAOZZ              | 51021       | PP-1400            | • • Box .....                                                    | 1          |
| 3                  | XDOFF              | 60168       | 140020             | • • Adapter, Calibration (See Fig. 768 for Breakdown) .....      | 1          |
| 4                  | XDOZZ              | 60168       | 0003-84-0006       | • • Plate, Identificatio .....                                   | 1          |
| 5                  | XDOZZ              | 60168       | 140055-1           | • • Insert .....                                                 | 1          |
| END OF FIGURE      |                    |             |                    |                                                                  |            |





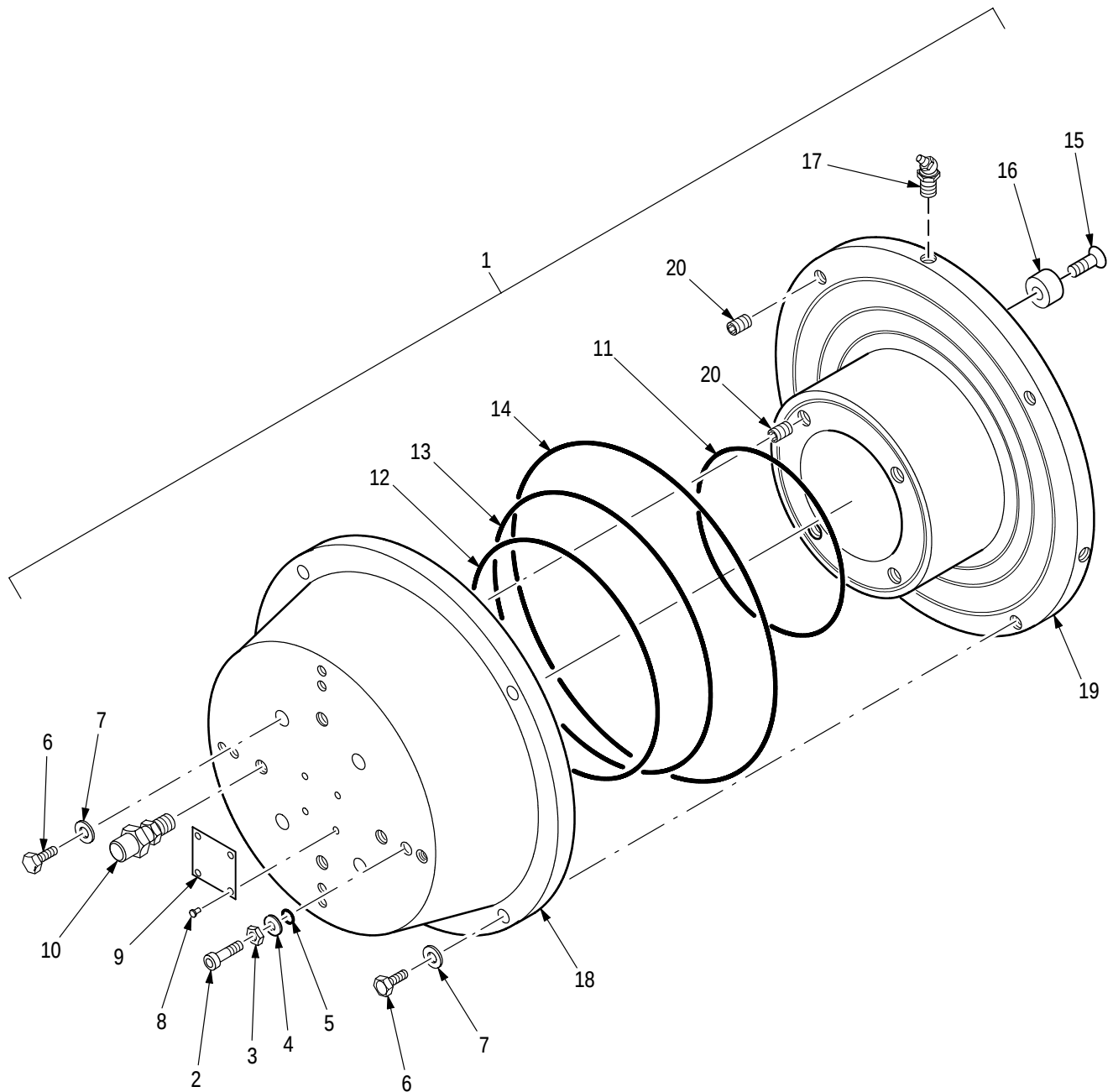
M09-1256

Figure 768. Group 80 Adapter, Calibration, Rotor Blade De-Ice System  
140020 (60168)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 768 Adapter, Calibration,<br>Rotor Blade De-Ice System<br>140020 (60168)<br>See Fig. 767 for NHA |            |
| 1                  | PAFZZ              | 96906       | MS35206-247        | • Screw, Machine .....                                                                                                          | 4          |
| 2                  | PAFZZ              | 96906       | MS35338-42         | • Washer, Lock .....                                                                                                            | 4          |
| 3                  | XDOFF              | 60168       | 140018-1           | • Cover, Adapter .....                                                                                                          | 1          |
| 4                  | XDOZZ              | 60168       | 140021-1           | • Gasket .....                                                                                                                  | 1          |
| 5                  | PAFZZ              | 96906       | MS35206-215        | • Screw, Machine .....                                                                                                          | 6          |
| 6                  | PAFZZ              | 96906       | MS35338-40         | • Washer, Lock .....                                                                                                            | 6          |
| 7                  | PAFZZ              | 80205       | NAS671-4           | • Nut, Plain, Hexagon .....                                                                                                     | 6          |
| 8                  | XDOZZ              | 96906       | MS25043-24D        | • Cover, Dust .....                                                                                                             | 1          |
| 9                  | PAFZZ              | 96906       | MS3452W24-10P      | • Connector, Receptacl .....                                                                                                    | 1          |
| 10                 | PAOZZ              | 81349       | M83723/59-114RC    | • Cover, Electrical Co .....                                                                                                    | 1          |
| 11                 | PAFZZ              | 81349       | M83723/86W1407N    | • Connector, Plug, Elec .....                                                                                                   | 1          |
| 12                 | PAOZZ              | 81349       | M85049/52-1-14N    | • Clamp, Cable, Electri .....                                                                                                   | 1          |
| 13                 | XDOZZ              | 60168       | 140101             | • Label .....                                                                                                                   | 1          |
| 14                 | PAOZZ              | 28520       | 1497               | • Bushing, Strain Reli .....                                                                                                    | 1          |
| 15                 | XDOZZ              | 71468       | DE-59-20           | • Cover, Dust .....                                                                                                             | 1          |
| 16                 | PAFZA              | 81349       | M24308/2-1         | • Connector, Receptacl .....                                                                                                    | 1          |
| 17                 | PAFZA              | 81349       | M39024/10-03       | • Jack, Tip (Black) .....                                                                                                       | 3          |
| 18                 | PAFZA              | 81349       | M39024/10-05       | • Jack, Tip (Green) .....                                                                                                       | 2          |
| 19                 | PAFZA              | 81349       | M39024/10-02       | • Jack, Tip (Red) .....                                                                                                         | 5          |
| 20                 | PAFZA              | 81349       | M39024/10-08       | • Jack, Tip (Yellow) .....                                                                                                      | 5          |
| 21                 | PAFZA              | 96906       | MS3348-8-10        | • Contact, Electrical .....                                                                                                     | 2          |
| 22                 | XDOZZ              | 60168       | 070023-1           | • Plate, Identificatio .....                                                                                                    | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                                                 |            |

Figure 769. Figure Deleted

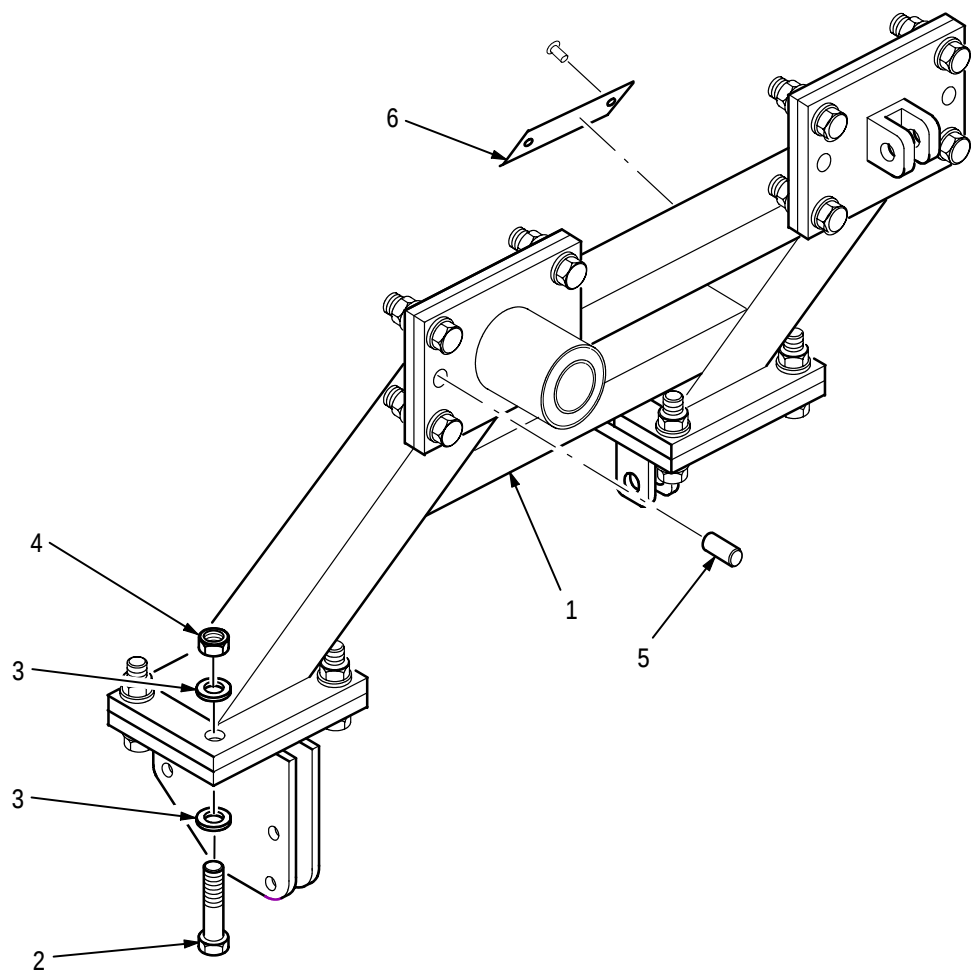




M09-1255B

Figure 770. Group 80 Packer Assembly, Main Rotor Bearing

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 770 Packer Assembly, Main Rotor Bearing |            |
| 1                  | PDOOO              | 60168       | 140145             | • Lubricant Packer, Be .....                                           | 1          |
| 2                  | XDOZZ              | 39428       | 95868A245          | •• Screw, Cap, Socket He .....                                         | 8          |
| 3                  | PAOZZ              | 39428       | 94812A115          | •• Nut, Plain, Hexagon .....                                           | 8          |
| 4                  | PAOZZ              | 39428       | 90295A120          | •• Washer, Flat .....                                                  | 8          |
| 5                  | XDOZZ              | 53711       | 820-4551181-1      | •• Packing, Preformed .....                                            | 8          |
| 6                  | PAOZZ              | 88044       | AN4C6A             | •• Bolt, Machine .....                                                 | 8          |
| 7                  | PAOZZ              | 88044       | AN960C416          | •• Washer, Flat .....                                                  | 8          |
| 8                  | PAOZZ              | 80205       | MECD368671-8       | •• Screw, Drive .....                                                  | 4          |
| 9                  | XDOZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio .....                                          | 1          |
| 10                 | PAOZZ              | 28968       | 6610M24            | •• Valve, Bleeder, Hydra .....                                         | 4          |
| 11                 | PAOZZ              | 96906       | MS29513-252        | •• O-Ring .....                                                        | 1          |
| 12                 | PAOZZ              | 96906       | MS29513-261        | •• O-Ring .....                                                        | 1          |
| 13                 | PAOZZ              | 96906       | MS29513-267        | •• O-Ring .....                                                        | 1          |
| 14                 | PAOZZ              | 96906       | MS29513-275        | •• O-Ring .....                                                        | 1          |
| 15                 | PAOZZ              | 80205       | MS24671-20         | •• Screw, Cap, Socket He .....                                         | 4          |
| 16                 | XDOZZ              | 60168       | 140148-1           | •• Lubricant Packer, Be .....                                          | 4          |
| 17                 | PAOZZ              | 96906       | MS15006-3          | •• Fitting, Lubrication .....                                          | 4          |
| 18                 | XAOZZ              | 60168       | 140147-1           | •• Cover, Bearing Packe .....                                          | 1          |
| 19                 | XAOZZ              | 60168       | 140146-1           | •• Plate, Bearing Packe .....                                          | 1          |
| 20                 | PAOZZ              | 96906       | MS124696           | ••• Insert, Screw Thread .....                                         | 8          |
| END OF FIGURE      |                    |             |                    |                                                                        |            |

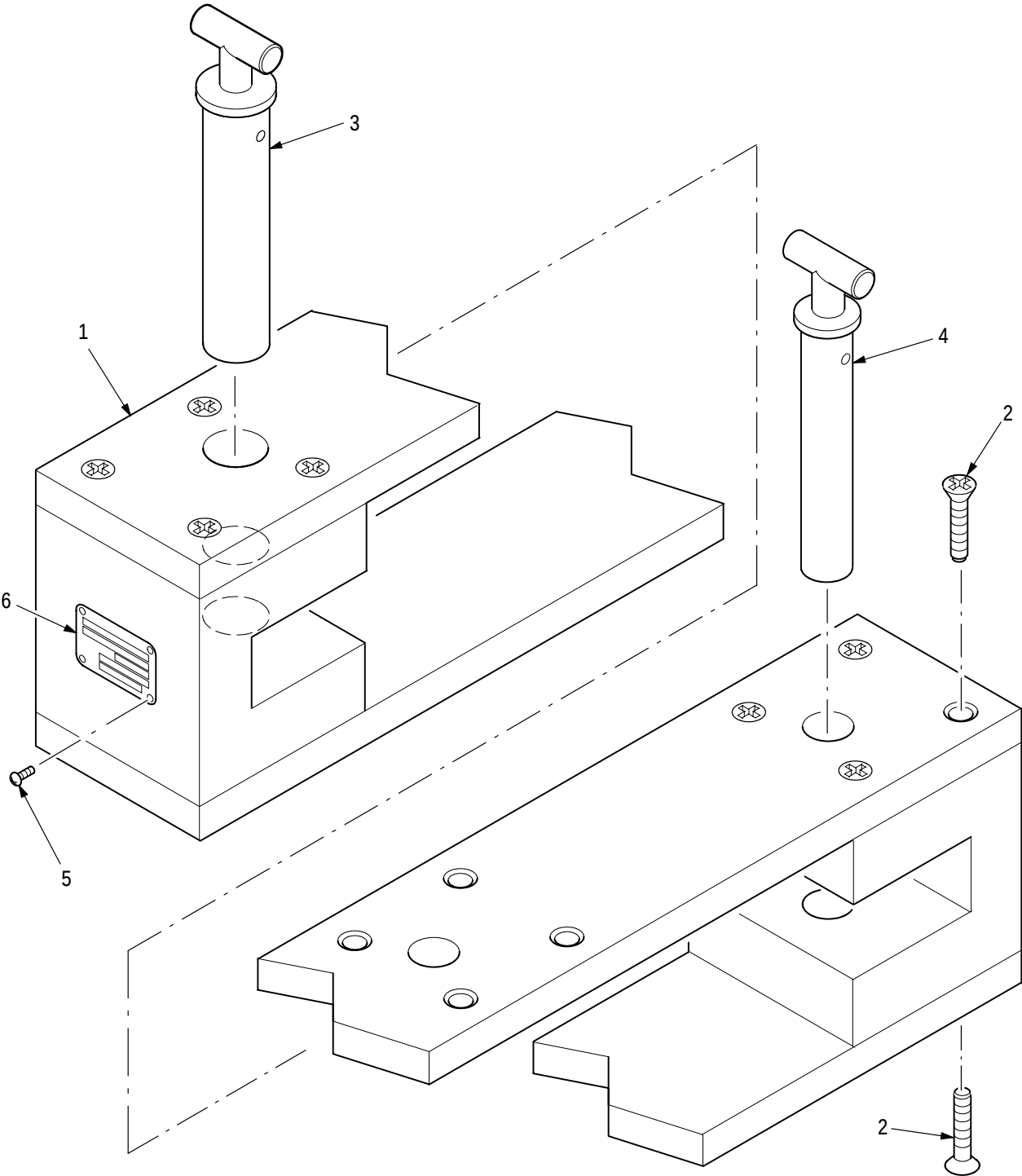


M09-1250B

Figure 771. Group 80 Rod/Link Adjustment Tool Assembly, Right

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                    | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 771 Rod/Link Adjustment<br>Tool Assembly, Right |            |
| 1                  | PDOOO              | 60168       | 140134             | • Fixture, Aircraft Ma .....                                                   | 1          |
| 2                  | PAOZZ              | 88044       | AN4-12A            | • • Bolt, Machine .....                                                        | 8          |
| 3                  | PAOZZ              | 88044       | AN960-416          | • • Washer, Flat .....                                                         | 32         |
| 4                  | PAOZZ              | 96906       | MS17829-4F         | • • Nut, Self-Locking, He .....                                                | 16         |
| 5                  | PAOZZ              | 80205       | NAS607-4-6P        | • • Pin, Straight, Hea .....                                                   | 8          |
| 6                  | XDOZZ              | 60168       | 070023-1           | • • Plate, Identificatio .....                                                 | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                |            |





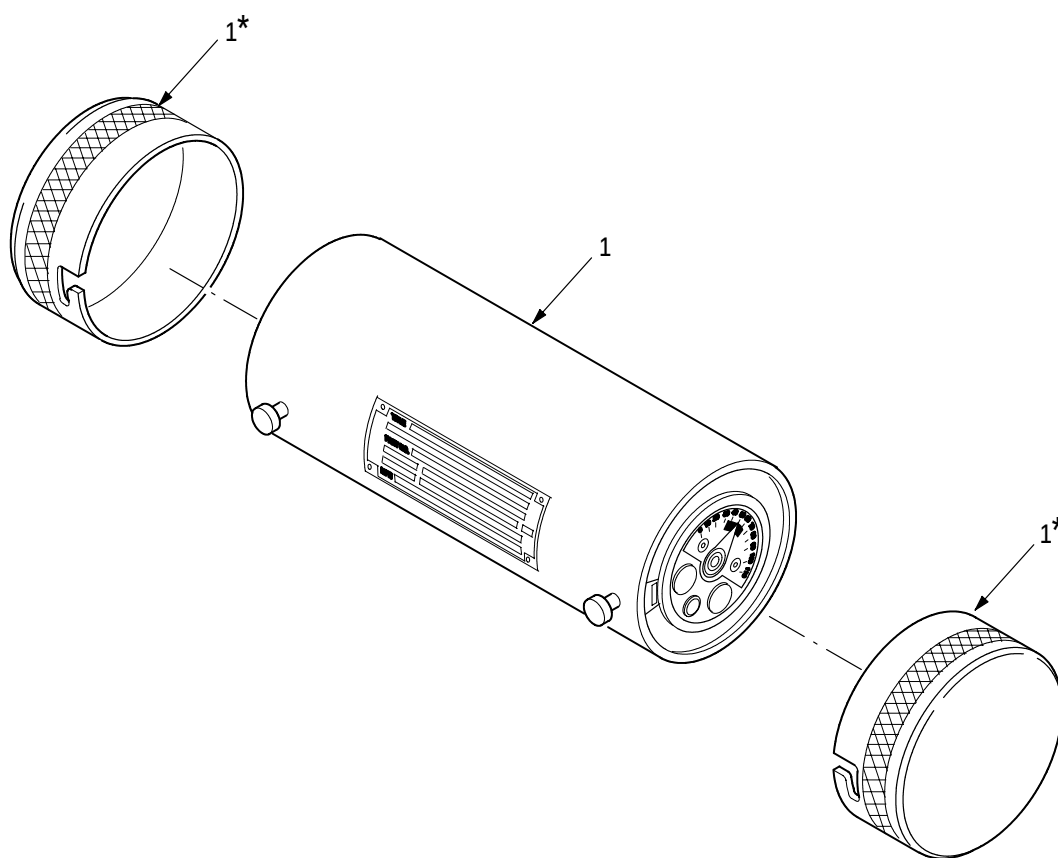
M09-1251D

Figure 772. Group 80 Fixture, Shock Strut Restraining

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                         | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 772 Fixture, Shock Strut Restraining |            |
| 1                  | PDOOO              | 60168       | 140159             | • Fixture, Aircraft Ma .....                                        | 1          |
| 2                  | PAOZZ              | 56878       | 16990-8C-28        | •• Screw, Machine .....                                             | 16         |
| 3                  | XDOZZ              | 60168       | 140156             | •• Pin, Dia 1.75 Assy .....                                         | 1          |
| 4                  | XDOZZ              | 60168       | 140158             | •• Pin, Dia 1.25 Assy .....                                         | 1          |
| 5                  | PAOZZ              | 74082       | MECD368671-8       | •• Screw, Drive .....                                               | 4          |
| 6                  | XDOZZ              | 60168       | 070030-1           | •• Ident Plate .....                                                | 1          |
|                    |                    |             |                    | END OF FIGURE                                                       |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                         | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 773 Spring Compressor, Fork Assembly |            |
| 1                  | PDOOO              | 60168       | 140125             | • Fixture, Aircraft Ma .....                                        | 1          |
| 2                  | PAOZZ              | 39428       | 92383A361          | • Pin, Straight, Headle .....                                       | 1          |
| 3                  | XDOZZ              | 60168       | 140124             | • Hand Wheel Assy .....                                             | 1          |
| 4                  | PAOZZ              | 96906       | MS16996-24         | • Screw, Cap, Socket He .....                                       | 4          |
| 5                  | PAOZZ              | 96906       | MS24694S102        | • Screw, Machine .....                                              | 1          |
| 6                  | PAOZZ              | 96906       | MS20392-5P29       | • Pin, Straight, Headed .....                                       | 5          |
| 7                  | PAOZZ              | 96906       | MS24665-300        | • Pin, Cotter .....                                                 | 5          |
| 8                  | XDOZZ              | 60168       | 140109             | • Eye Bolt, 4.25 .....                                              | 2          |
| 9                  | XDOZZ              | 60168       | 140110             | • Eye Bolt, 2.50 .....                                              | 2          |
| 10                 | PAOZZ              | 99862       | CL-16725           | • Knob .....                                                        | 2          |
| 11                 | PAOZZ              | 80205       | MS16995-81         | • Screw, Cap, Socket He .....                                       | 10         |
| 12                 | XDOZZ              | 60168       | 140111-1           | • Rod Support .....                                                 | 1          |
| 13                 | PAOZZ              | 80205       | MS16996-9          | • Screw, Cap, Socket He .....                                       | 1          |
| 14                 | PAOZZ              | 96906       | MS15795-848        | • Washer, Flat .....                                                | 1          |
| 15                 | PAOZZ              | 16286       | SS1620-8           | • Bearing, Sleeve .....                                             | 1          |
| 16                 | XDOZZ              | 60168       | 140122             | • Pusher, Cam .....                                                 | 1          |
| 17                 | PAOZZ              | 16286       | SF-1620-9          | • Bearing, Sleeve .....                                             | 1          |
| 18                 | PAOZZ              | 80205       | MECD368671-8       | • Screw, Drive .....                                                | 4          |
| 19                 | XDOZZ              | 60168       | 0003-84-0006       | • Plate, Identificatio .....                                        | 1          |
| END OF FIGURE      |                    |             |                    |                                                                     |            |

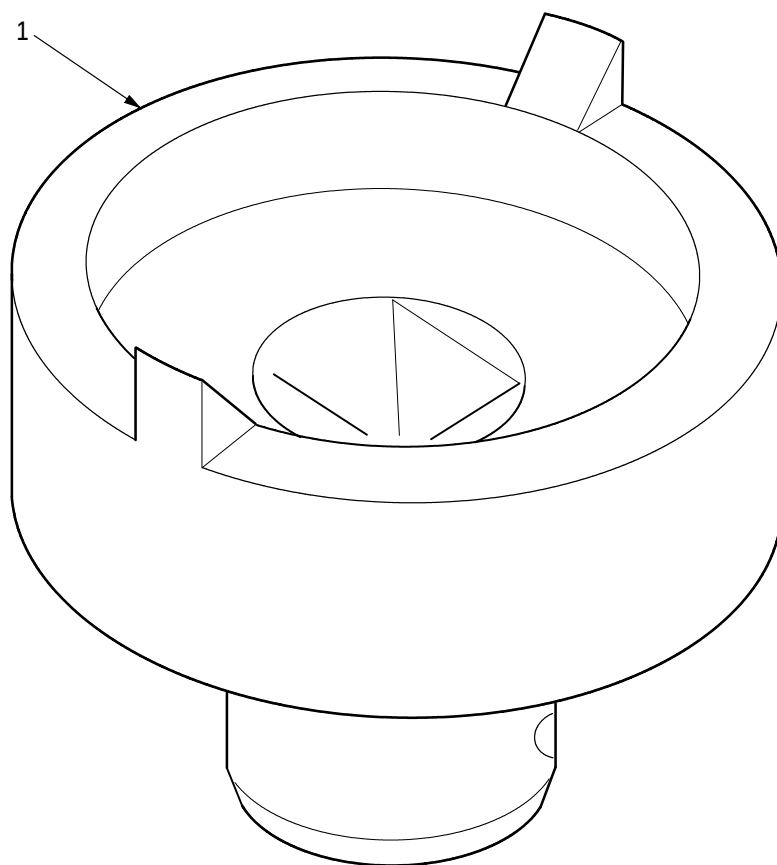


\*SUPPLIED WITH ATTACHED ITEM

M09-1333

Figure 774. Group 80 Test Set, Pylon Ejector

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                 | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------------|------------|
| 1                  | PBODD              | 76793       | 2952D24393         | Group 80 Special Tools<br>Fig. 774 Test Set, Pylon Ejector<br>· Test Set, Pylon Ejec .....<br>END OF FIGURE | 1          |

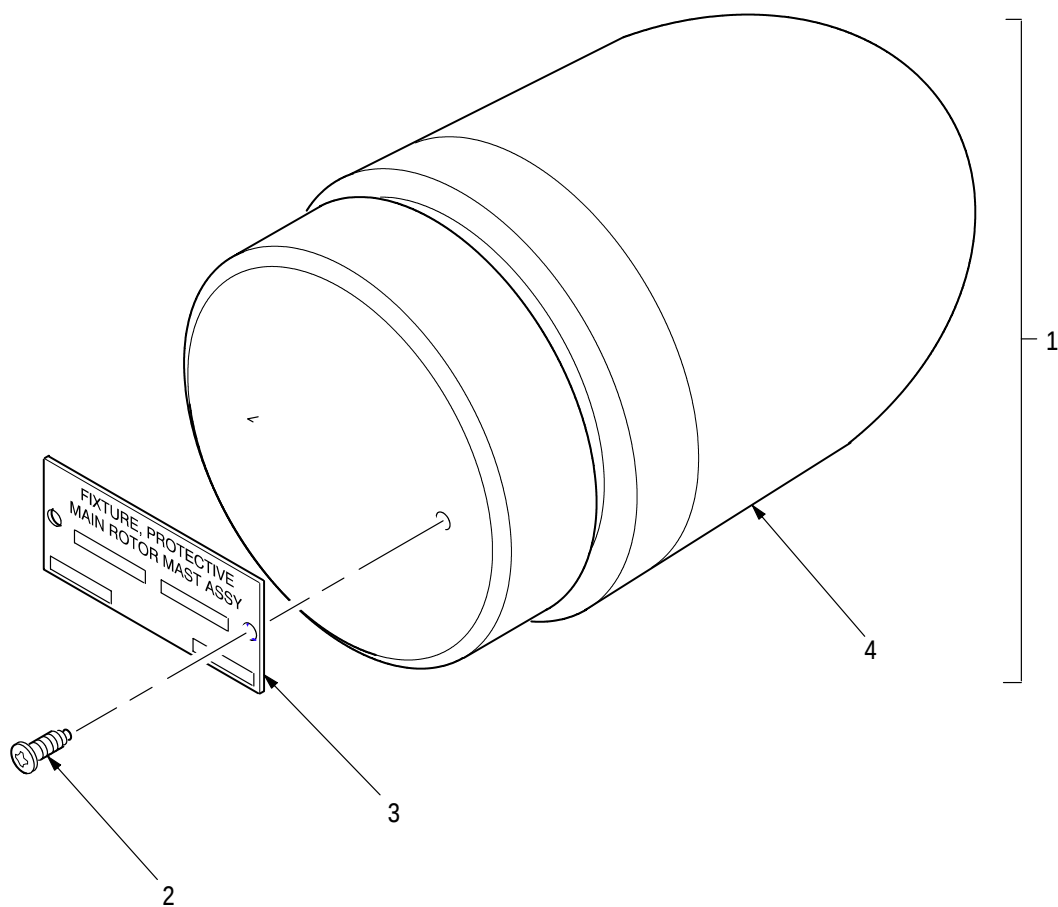


M09-1332

Figure 775. Group 80 Socket, Wrench, Main Transmission

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------|------------|
| 1                  | PBFZZ              | 8V613       | 7-362110209        | Group 80 Special Tools<br>Fig. 775 Socket, Wrench, Main Transmission<br>· Socket, Wrench, Face .....<br>END OF FIGURE | 1          |

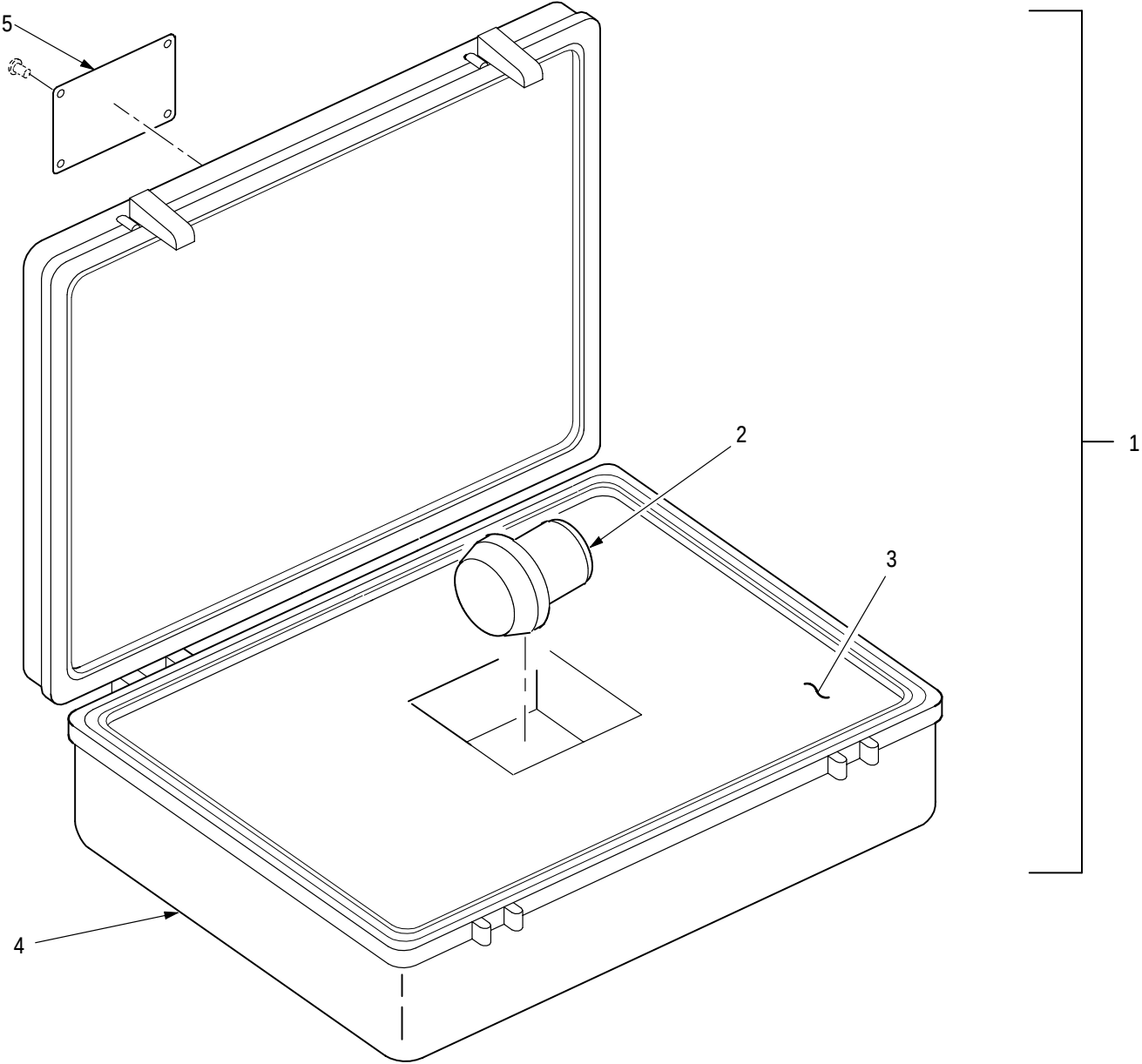




M09-1331

Figure 776. Group 80 Fixture, Protective, Main Rotor Mast

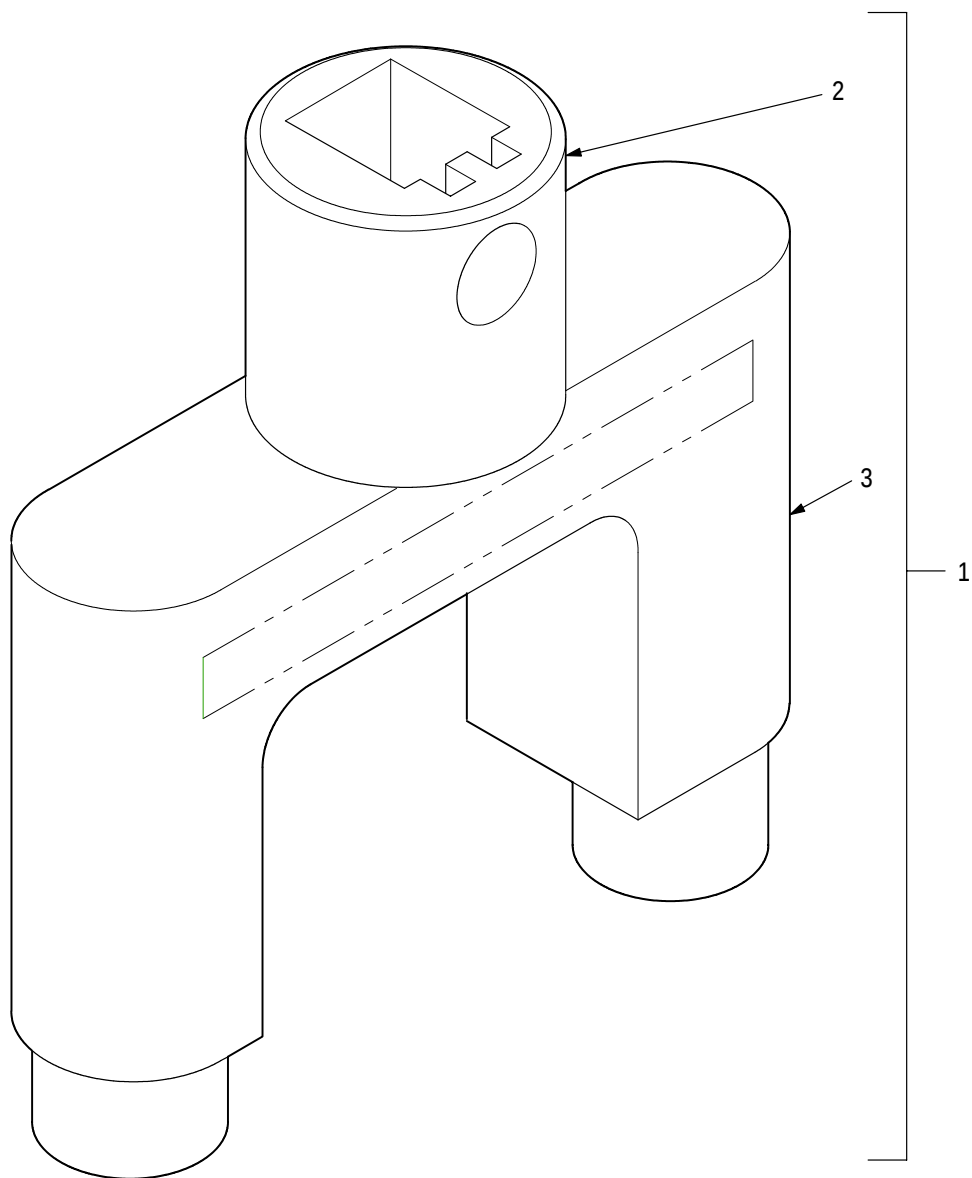
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                             | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 776 Fixture, Protective, Main Rotor Mast |            |
| 1                  | PAOOO              | 60168       | 140106             | • Fixture, Aircraft Ma .....                                            | 1          |
| 2                  | PAOZZ              | 96906       | MS51861-12C        | •• Screw, Tapping .....                                                 | 2          |
| 3                  | XDOZZ              | 60168       | 070023-1           | •• Plate, Identificatio .....                                           | 1          |
| 4                  | XDOZZ              | 60168       | 140107             | •• Fixture, Aircraft Ma .....                                           | 1          |
| END OF FIGURE      |                    |             |                    |                                                                         |            |



M09-1330

Figure 777. Group 80 Plug, Seal Kit

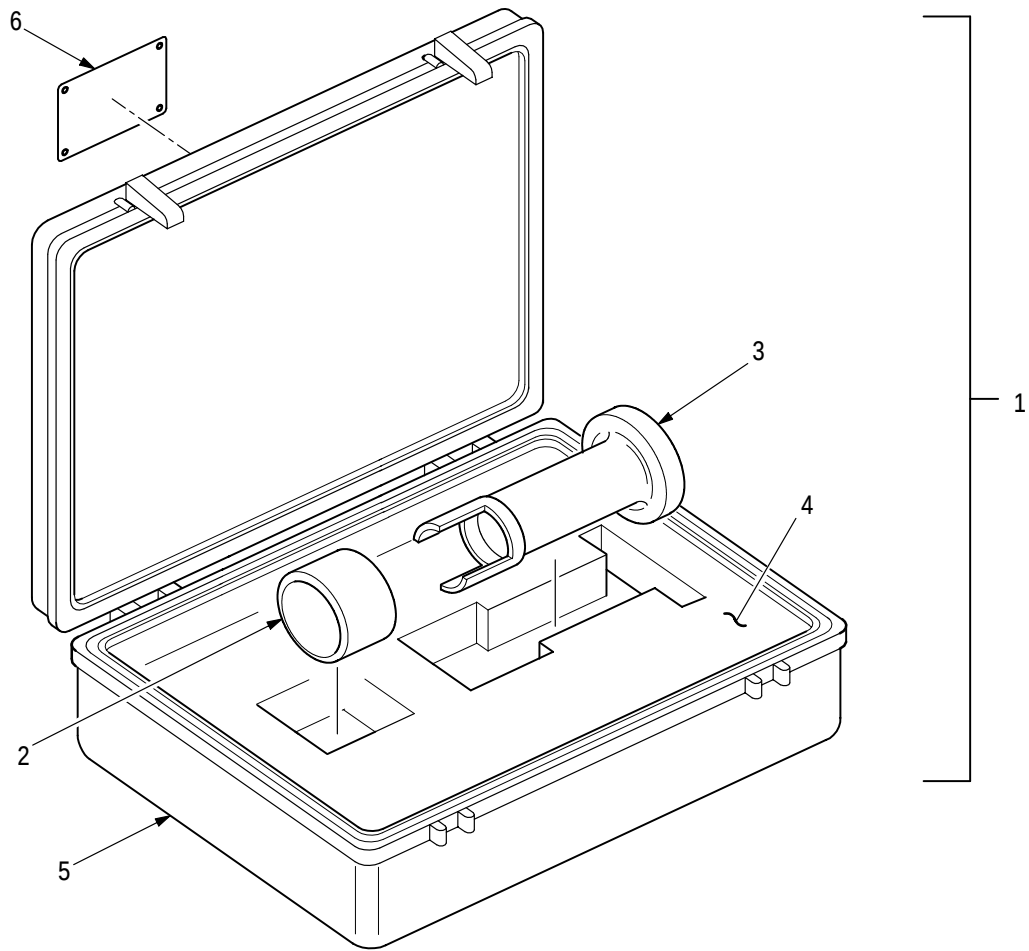
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 777 Plug, Seal Kit |            |
| 1                  | PAOFF              | 60168       | 140057             | • Maintenance Kit, Air .....                      | 1          |
| 2                  | XDFZZ              | 60168       | 140031             | • • Plug Set, Protective .....                    | 1          |
| 3                  | XDFZZ              | 60168       | 140056             | • • Insert .....                                  | 1          |
| 4                  | XDFZZ              | 65442       | PP-500             | • • Case .....                                    | 1          |
| 5                  | XDFZZ              | 60168       | 0003-84-0006       | • • Plate, Identificatio .....                    | 1          |
| END OF FIGURE      |                    |             |                    |                                                   |            |



M09-1336

Figure 778. Group 80 Wrench, Socket, Anti Flail Bearing

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 778 Wrench, Socket, Anti Flail Bearing |            |
| 1                  | XDOFF              | 60168       | 140069             | • Spanner Attachement . . . . .                                       | 1          |
| 2                  | XDFZZ              | 60168       | 140068             | •• Drive . . . . .                                                    | 1          |
| 3                  | XDFZZ              | 60168       | 140067             | •• Tang . . . . .                                                     | 1          |
| END OF FIGURE      |                    |             |                    |                                                                       |            |

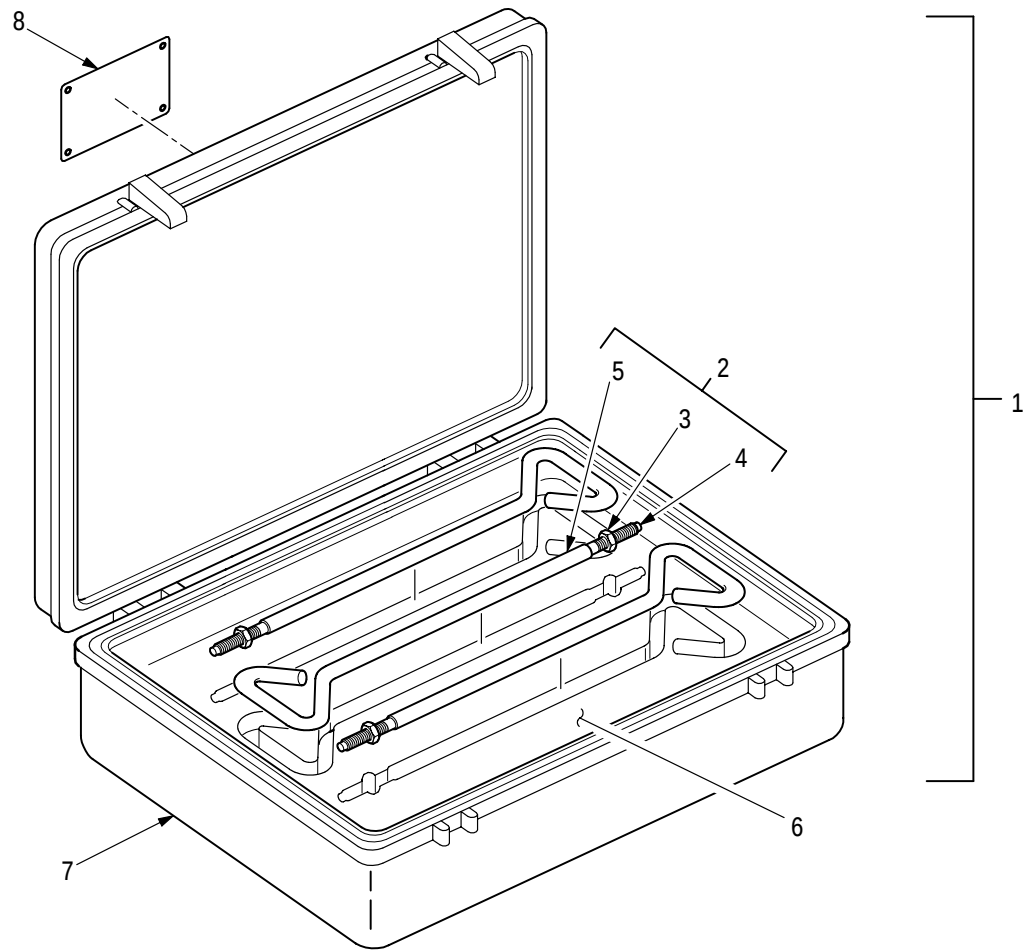


M09-1335

Figure 779. Group 80 Compressor, Rotor Brake, Set

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                     | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 779 Compressor, Rotor Brake, Set |            |
| 1                  | PAOFF              | 60168       | 140034             | • Maintenance Kit, Ai . . . . .                                 | 1          |
| 2                  | PAFZZ              | 60168       | 140033             | • • Tool, Spring, Compres . . . . .                             | 1          |
| 3                  | XDFZZ              | 60168       | 140032             | • • Lifter, Valve . . . . .                                     | 1          |
| 4                  | XDFZZ              | 60168       | 140102             | • • Insert . . . . .                                            | 1          |
| 5                  | XDFZZ              | 65442       | PP-500             | • • Case . . . . .                                              | 1          |
| 6                  | XDFZZ              | 60168       | 0003-84-0006       | • • Plate, Identificatio . . . . .                              | 1          |
| END OF FIGURE      |                    |             |                    |                                                                 |            |

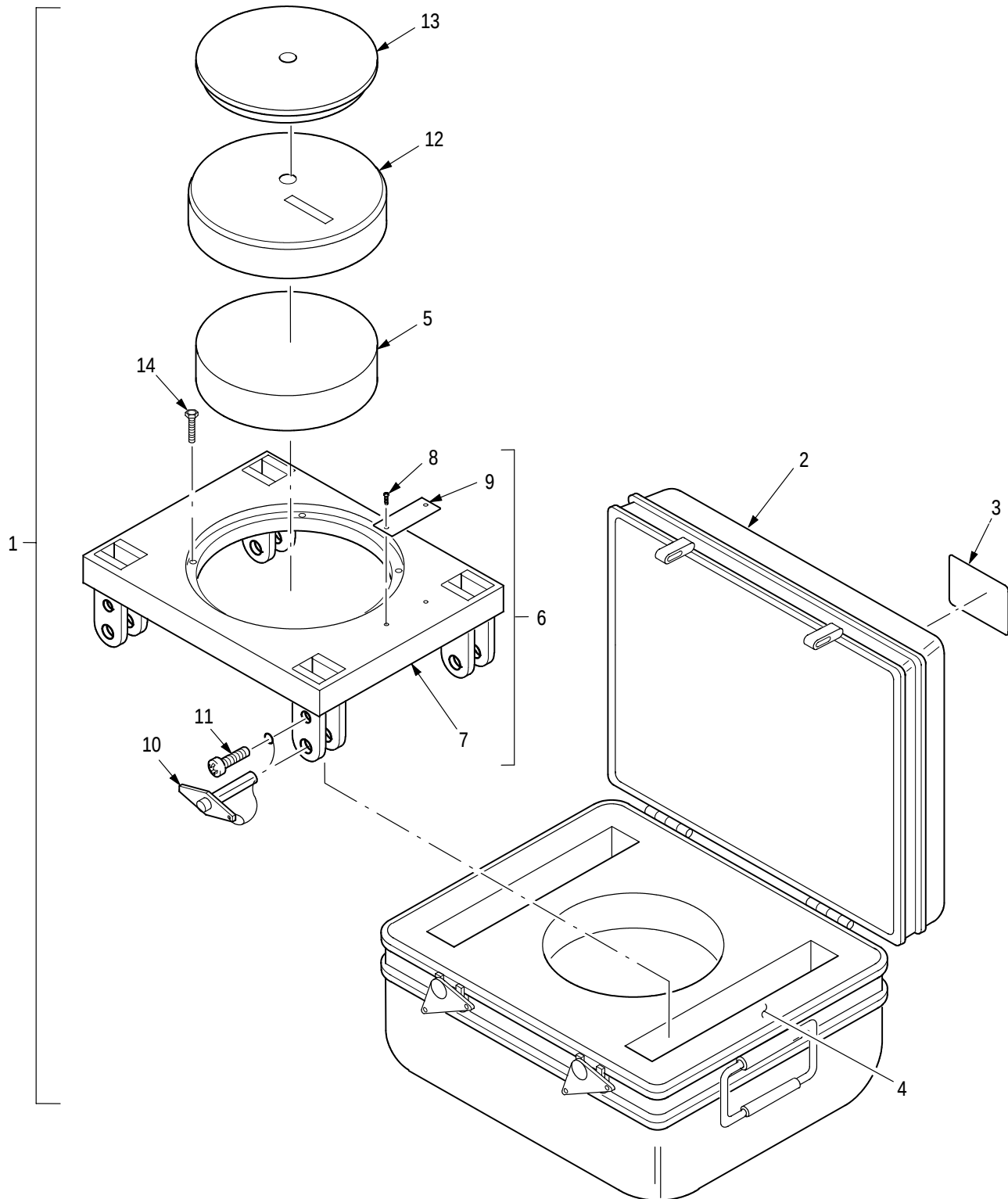




M09-1334

Figure 780. Group 80 Set, Jackscrew

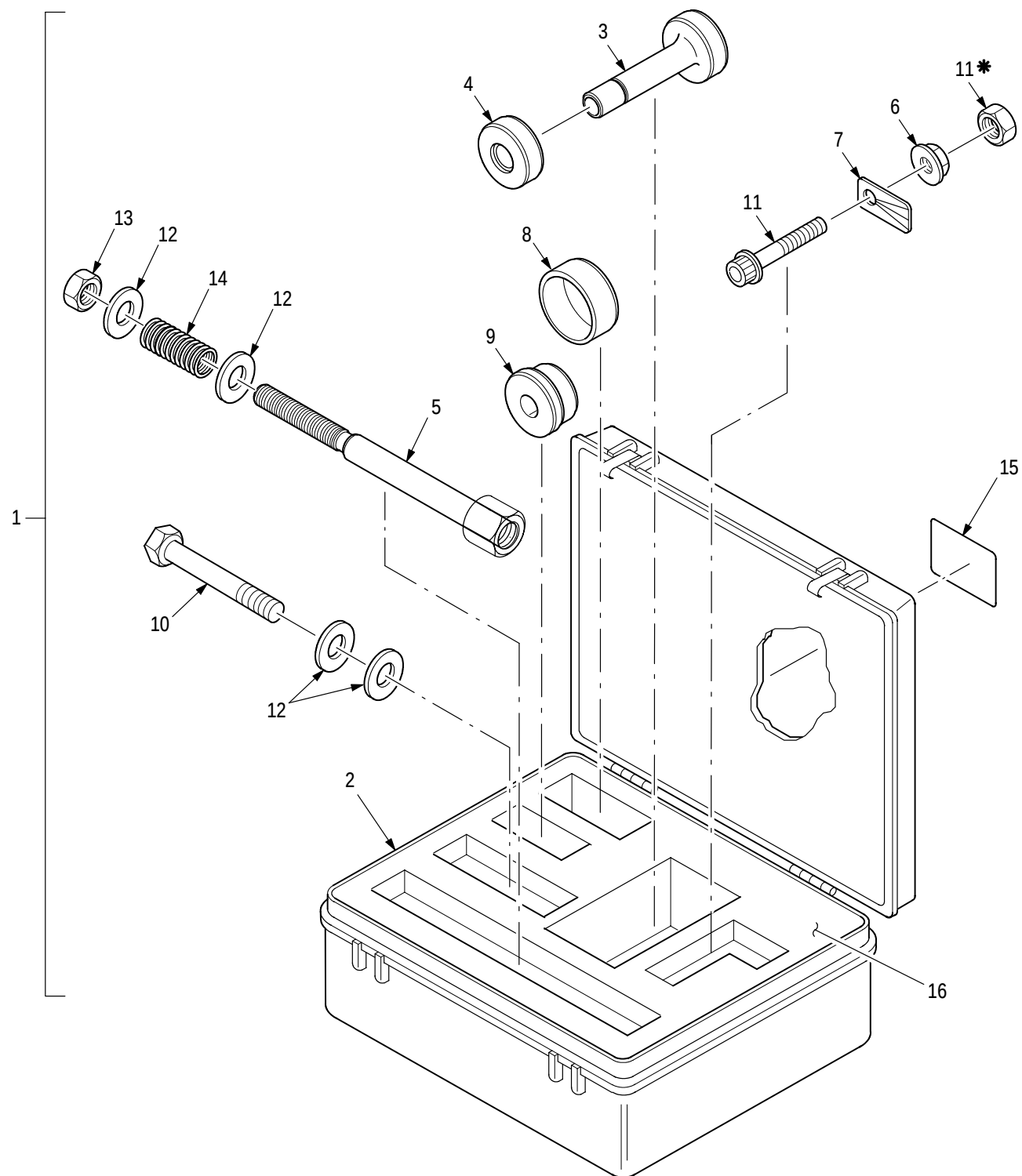
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 780 Set, Jackscrew |            |
| 1                  | PAFFF              | 60168       | 140052             | • Maintenance Kit, Air .....                      | 1          |
| 2                  | XDOZZ              | 60168       | 140011             | •• Jackscrew .....                                | 3          |
| 3                  | PAFZZ              | 96906       | MS51972-1          | ••• Nut, Plain, Hexagon .....                     | 1          |
| 4                  | XDFZZ              | 60168       | 140010             | ••• Button .....                                  | 1          |
| 5                  | XDFZZ              | 60168       | 140009             | ••• Jack Screw Assy .....                         | 1          |
| 6                  | XDFZZ              | 60168       | 140053             | •• Insert .....                                   | 1          |
| 7                  | XDFZZ              | 65442       | PP-1400            | •• Box .....                                      | 1          |
| 8                  | XDFZZ              | 65442       | 0003-86-0006       | •• Plate, Ident .....                             | 1          |
| END OF FIGURE      |                    |             |                    |                                                   |            |



M09-1345

Figure 780A. Tool Kit, Aircraft Lower Bearing Seal Installation/Removal

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                       | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|---------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 780A Tool Kit, Aircraft Lower Bearing Seal<br>Installation/Removal |            |
| 1                  | PAFFF              | 60168       | 140165             | • Tool Kit, Aircraft M . . . . .                                                                  | 1          |
| 2                  | XDFZZ              | 60168       | 1915N              | •• Case . . . . .                                                                                 | 1          |
| 3                  | XDFZZ              | 60168       | 070031             | •• Label, Ident . . . . .                                                                         | 1          |
| 4                  | XDFZZ              | 60168       | 140199             | •• Insert, Bearing . . . . .                                                                      | 1          |
| 5                  | XDFZZ              | 60168       | 140200             | •• Insert, Auxiliary . . . . .                                                                    | 1          |
| 6                  | XDFFF              | 60168       | 140193             | •• Plate, Assembly . . . . .                                                                      | 1          |
| 7                  | XDFZZ              | 60168       | 140190             | ••• Plate, Mounting . . . . .                                                                     | 1          |
| 8                  | PAFZZ              | 80205       | MECD368671-8       | ••• Screw, Drive . . . . .                                                                        | 1          |
| 9                  | XDFZZ              | 60168       | 070023-1           | ••• Plate, Identificatio . . . . .                                                                | 1          |
| 10                 | PAFZZ              | 99682       | CL-10-BLPT 2.00-C  | ••• Pin, Quick Release . . . . .                                                                  | 1          |
| 11                 | PAFZZ              | 96906       | MS35207-261        | ••• Screw, Machine . . . . .                                                                      | 4          |
| 12                 | XDFZZ              | 60168       | 140189             | •• Pusher, Seal . . . . .                                                                         | 1          |
| 13                 | XDFZZ              | 60168       | 140192             | •• Inserter and Remove . . . . .                                                                  | 1          |
| 14                 | XDFZZ              | 60168       | 140194             | •• Screw, Externally Re . . . . .                                                                 | 4          |
| END OF FIGURE      |                    |             |                    |                                                                                                   |            |

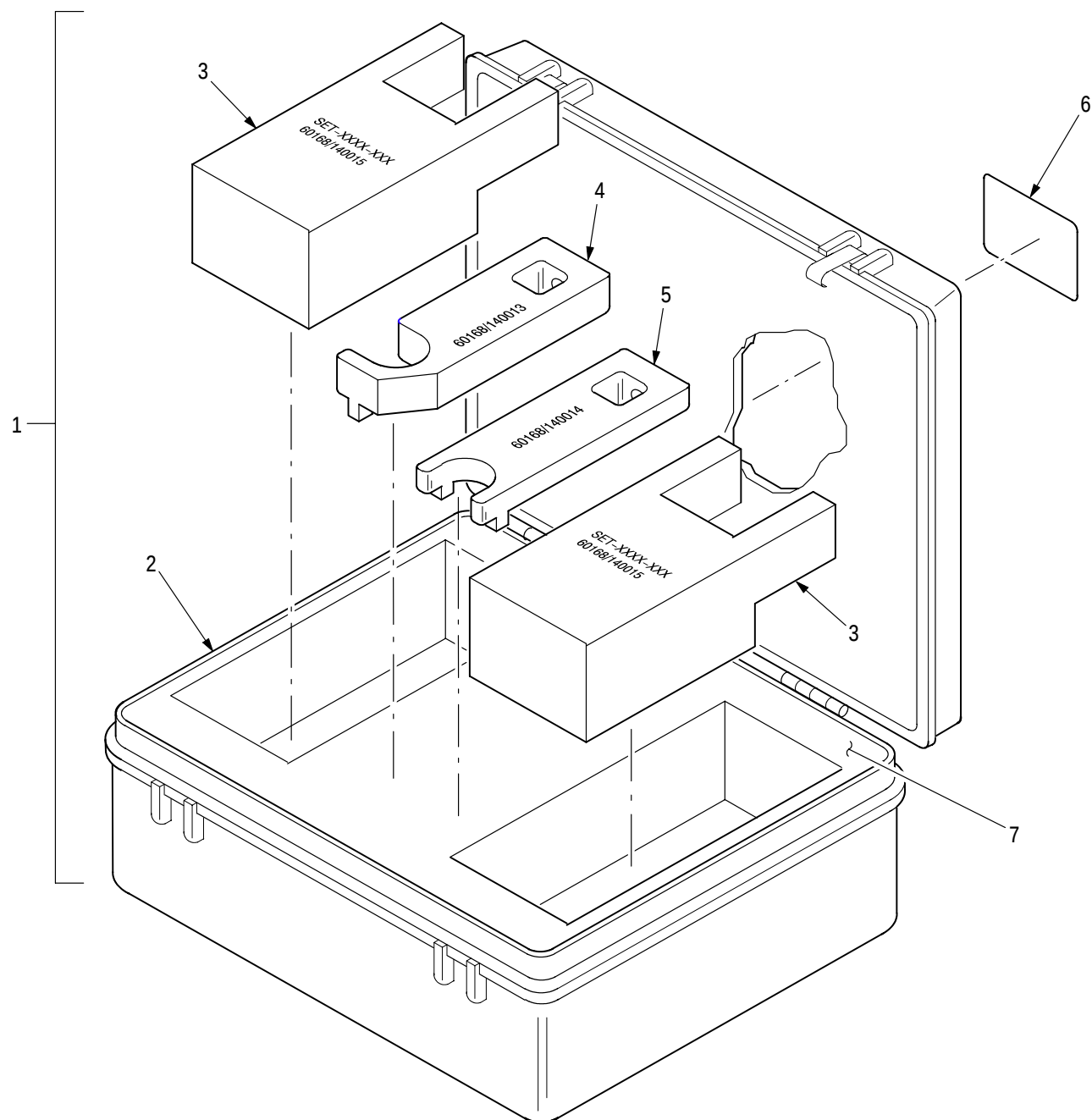


\* SUPPLIED WITH ATTACHED ITEM

M09-1346

Figure 780B. Group 80 Tool Kit, Tail Rotor Fork Resilient Mount Installation/Removal

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 780B Tool Kit, Tail Rotor Fork Resilient<br>Mount Installation/Removal |            |
| 1                  | PAFFF              | 60168       | 140048             | • Tool Kit, Aircraft M .....                                                                          | 1          |
| 2                  | XDFZZ              | 51021       | PP-1400            | •• Box .....                                                                                          | 1          |
| 3                  | XDFZZ              | 60168       | 140043             | •• Spreader .....                                                                                     | 1          |
| 4                  | XDFZZ              | 60168       | 140044             | •• Nut, Spreader .....                                                                                | 1          |
| 5                  | XDFZZ              | 60168       | 140045             | •• Nut, Spreader .....                                                                                | 1          |
| 6                  | PAFZZ              | 60168       | 140047             | •• Nut, Plain, Round .....                                                                            | 1          |
| 7                  | XDFZZ              | 60168       | 140046             | •• Plate, Cage .....                                                                                  | 1          |
| 8                  | XDFZZ              | 60168       | 140041             | •• Sleeve .....                                                                                       | 1          |
| 9                  | XDFZZ              | 60168       | 140042             | •• Pusher .....                                                                                       | 1          |
| 10                 | PAFZZ              | 80204       | B1821BH050C400N    | •• Screw, Cap, Hexagon H .....                                                                        | 1          |
| 11                 | PAFZZ              | 96906       | 91272A722          | •• Bolt, Machine .....                                                                                | 1          |
| 12                 | PAFZZ              | 60168       | MS15795-818        | •• Washer, Flat .....                                                                                 | 4          |
| 13                 | PAFZZ              | 60168       | MS51967-14         | •• Nut, Hex .....                                                                                     | 1          |
| 14                 | PAFZZ              | 84830       | LC-098-3SS         | •• Spring .....                                                                                       | 1          |
| 15                 | XDFZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio .....                                                                         | 1          |
| 16                 | XDFZZ              | 60168       | 140049             | •• Insert .....                                                                                       | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                       |            |

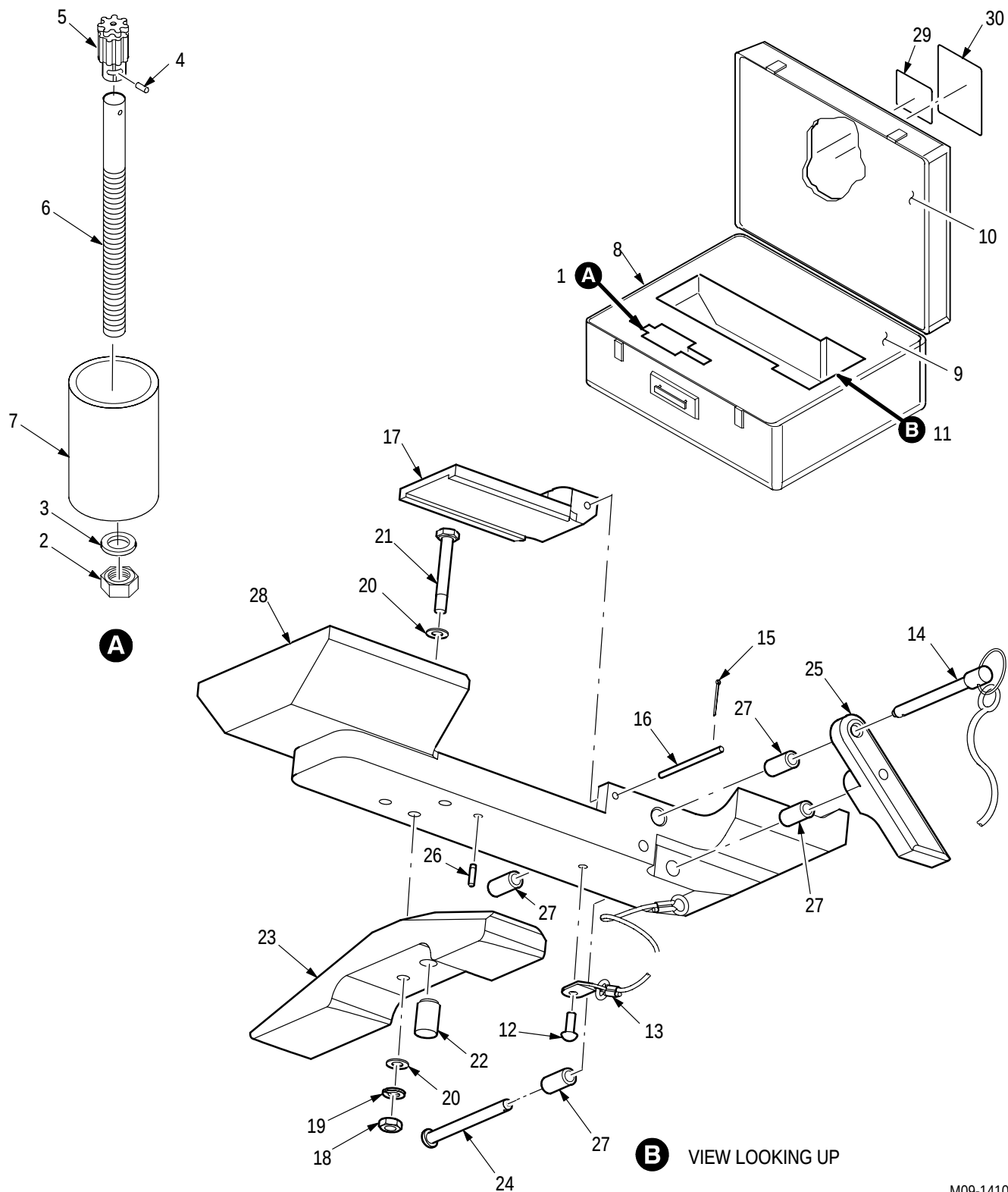


M09-1347

Figure 780C. Group 80 Tool Kit, Aircraft

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)            | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Fig. 780C Tool Kit, Aircraft |            |
| 1                  | PAFFF              | 60168       | 140016             | • Tool Kit Aircraft M .....                            | 1          |
| 2                  | XDFZZ              | 65442       | PP-500             | •• Case .....                                          | 1          |
| 3                  | XDFZZ              | 60168       | 140015             | •• Gage Blocks .....                                   | 1          |
| 4                  | XDFZZ              | 60168       | 140013             | •• Torque Adapter .....                                | 1          |
| 5                  | XDFZZ              | 60168       | 140014             | •• Torque Adapter .....                                | 1          |
| 6                  | XDFZZ              | 60168       | 0003-84-0006       | •• Plate, Identificatio .....                          | 1          |
| 7                  | XDFZZ              | 60168       | 140022             | •• Insert, Box .....                                   | 1          |
| END OF FIGURE      |                    |             |                    |                                                        |            |

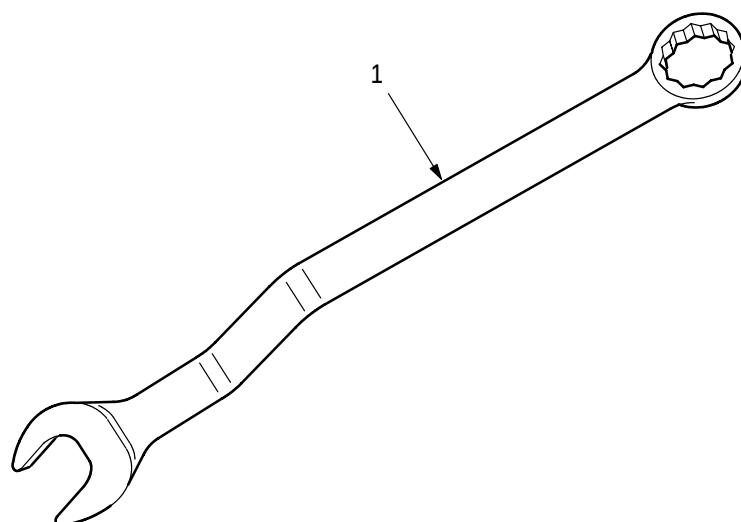




M09-1410

Figure 780D. Group 80 Tool Kit, Aircraft  
7-562126001-601  
Kit, Generator Removal

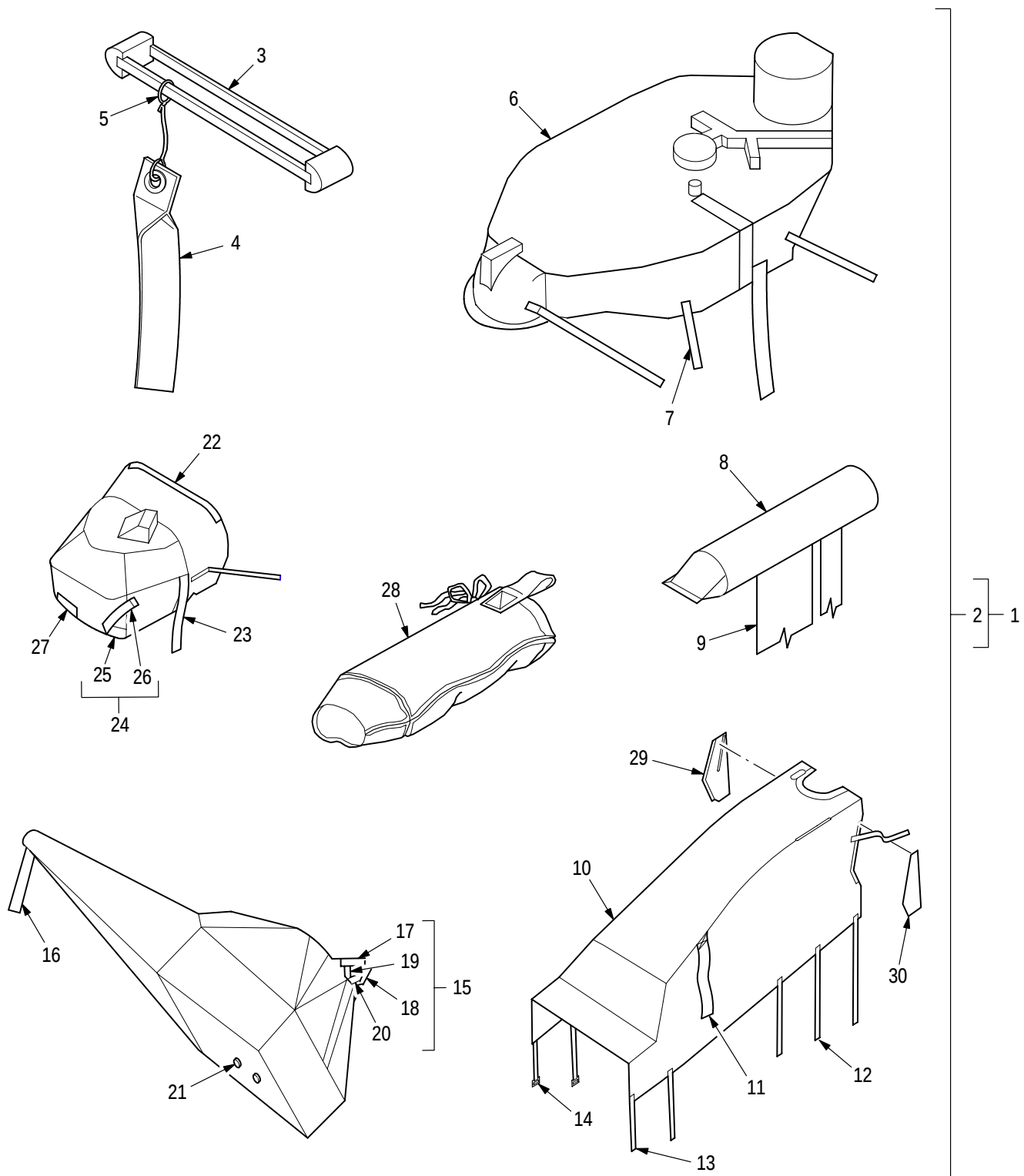
| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|------------------------------------------------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 80 Special Tools<br>Flg. 780D<br>Kit, Generator Removal<br>7-562126001-601<br>(See Fig. 714 for NHA) |            |
| 1                  | PAOOO              | 8V613       | 7-562126002-601    | • Fixture, Aircraft Ma .....                                                                               | 1          |
| 2                  | PAOZZ              | 88044       | AN315-6R           | •• Nut, Plain, Hexagon .....                                                                               | 1          |
| 3                  | PAOZZ              | 80205       | NAS1149F0663P      | •• Washer, Flat .....                                                                                      | 1          |
| 4                  | PAOZZ              | 80205       | MS16562-4          | •• Pin, Spring .....                                                                                       | 1          |
| 5                  | XAOZZ              | 8V613       | 7-562126002-005    | •• Indexer .....                                                                                           | 1          |
| 6                  | XAOZZ              | 8V613       | 7-562126002-003    | •• Screw .....                                                                                             | 1          |
| 7                  | XAOZZ              | 8V613       | 7-562126002-001    | •• Collar .....                                                                                            | 1          |
| 8                  | PAOOO              | 8V613       | 7-562126004-601    | • Container, Storage A .....                                                                               | 1          |
| 9                  | XDOZZ              | 8V613       | 7-562126004-003    | •• Cushion, Base .....                                                                                     | 1          |
| 10                 | XDOZZ              | 8V613       | 7-562126004-001    | •• Cushion, Lid .....                                                                                      | 1          |
| 11                 | PAOOO              | 8V613       | 7-562126003-601    | • Fixture Aircraft Ma .....                                                                                | 1          |
| 12                 | PAOZZ              | 80205       | MS21318-47         | •• Screw, Drive .....                                                                                      | 1          |
| 13                 | PAOZZ              | 02731       | HS4494-4800        | •• Wire Rope Assembly .....                                                                                | 1          |
| 14                 | PAOZZ              | 99862       | CL-4-DEP-2.50-S    | •• Pin, Quick Release .....                                                                                | 1          |
| 15                 | PAOZZ              | 80049       | AN380-2-3          | •• Pin, Cotter .....                                                                                       | 1          |
| 16                 | PAOZZ              | 8V613       | 7-562126003-009    | •• Pin .....                                                                                               | 1          |
| 17                 | PAOZZ              | 8V613       | 7-562126003-007    | •• Shim .....                                                                                              | 1          |
| 18                 | PAOZZ              | 88044       | AN316C4R           | •• Nut, Plain, Hexagon .....                                                                               | 1          |
| 19                 | PAOZZ              | 96906       | MS35338-44         | •• Washer, Lock .....                                                                                      | 1          |
| 20                 | PAOZZ              | 80205       | NAS1149C0432R      | •• Washer, Flat .....                                                                                      | 2          |
| 21                 | PAOZZ              | 80205       | NAS6304-22         | •• Bolt, Shear .....                                                                                       | 1          |
| 22                 | PAOZZ              | 99862       | CL-70-SBP-3        | •• Ball Plunger .....                                                                                      | 1          |
| 23                 | XAOZZ              | 8V613       | 7-562126003-003    | •• Leg, Back .....                                                                                         | 1          |
| 24                 | PAOZZ              | 96906       | MS20392-3R89       | •• Pin, Straight, Headed .....                                                                             | 1          |
| 25                 | XAOZZ              | 8V613       | 7-562126003-005    | •• Leg, Front .....                                                                                        | 1          |
| 26                 | PAOZZ              | 96906       | MS16556-27         | •• Pin, Straight, Headl .....                                                                              | 1          |
| 27                 | PAOZZ              | 80205       | NAS75-4-026        | •• Bushing, Sleeve .....                                                                                   | 4          |
| 28                 | XAOZZ              | 8V613       | 7-562126003-001    | •• Fixture .....                                                                                           | 1          |
| 29                 | PAOZZ              | 02731       | HS5572-0001        | • Plate, Mounting .....                                                                                    | 1          |
| 30                 | PAOZZ              | 8V613       | HS5333-1000        | • Plate, Identificatio .....                                                                               | 1          |
| END OF FIGURE      |                    |             |                    |                                                                                                            |            |



M09-1599

Figure 780E. Group 80 Tool Kit, Aircraft  
Wrench, Special Horizontal

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                                                                           | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|-----------------------------------------------------------------------------------------------------------------------|------------|
| 1                  | XDOZZ              | 55719       | ATSK3675           | Group 80 Special Tools<br>Flg. 780E<br>Wrench, Special Horizontal<br><br>· Wrench, Special A/C .....<br>END OF FIGURE | 1          |



M09-763G

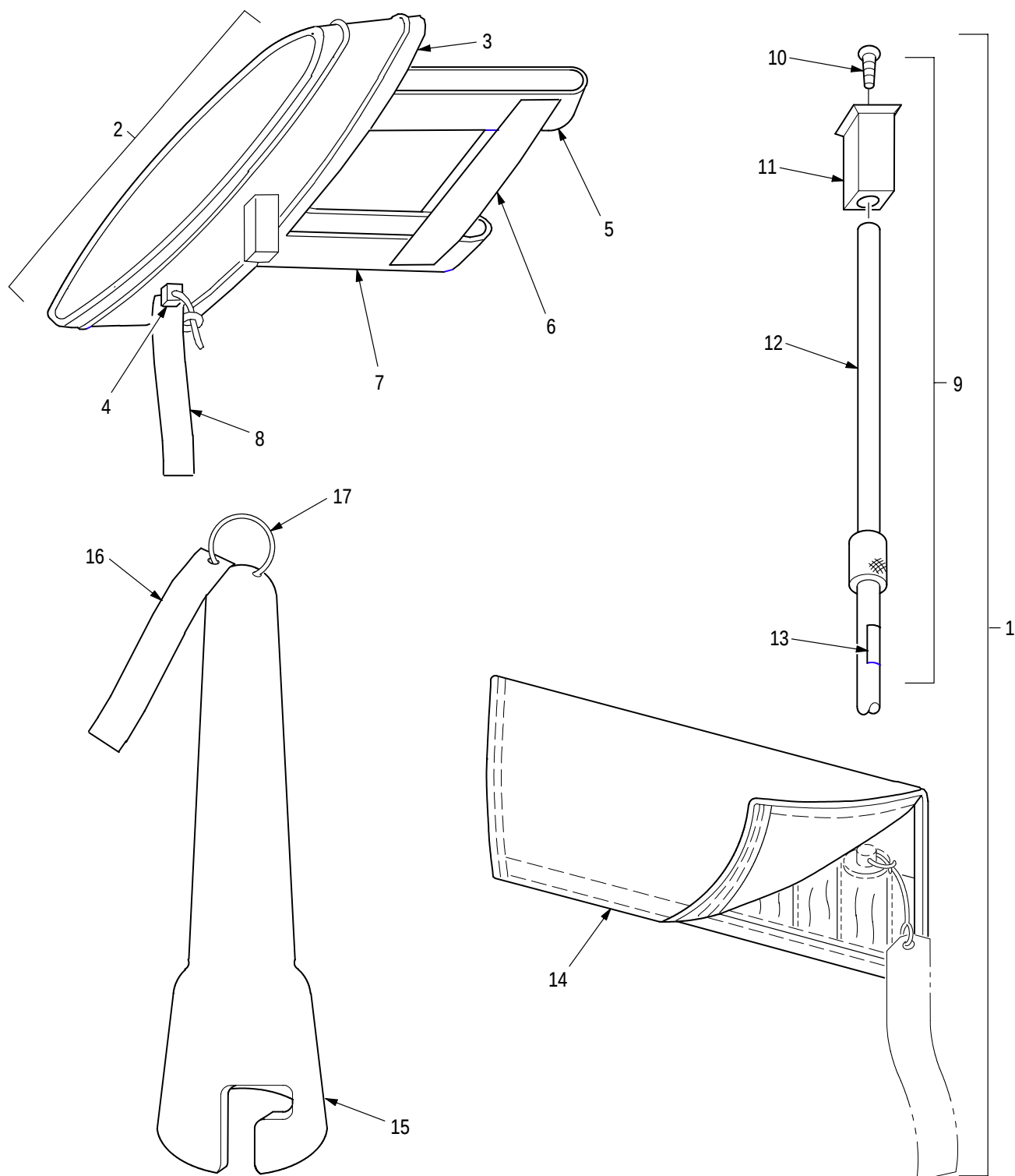
Figure 781. Group 82 Tie Down Kit, Aircraft (Part 1)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 82 Flyaway Items<br>Fig. 781 Tie Down Kit, Aircraft (Part 1) |            |
| 1                  | PBOOO              | 8V613       | 7-262100004-611    | • Tie Down Kit, Aircra .....                                       | 1          |
| 1                  | PBOOO              | 8V613       | 7-262100004-617    | • Tie Down Kit, Aircra .....                                       | 1          |
| 2                  | AOOOO              | 8V613       | 7-262110005-609    | •• Kit, Prot Cov, Acft .....                                       | 1          |
| 2                  | AOOOO              | 8V613       | 7-262110005-613    | •• Kit, Prot Cov, Acft .....                                       | 1          |
| 3                  | PAOOO              | 38508       | 1680-AH64-008      | ••• Cover, Aircraft Grou .....                                     | 1          |
| 4                  | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 1          |
| 5                  | XDOZZ              | 02731       | HS4954-01          | •••• Ring, Connecting, Rou .....                                   | 1          |
| 6                  | PAOOO              | 8V613       | 7-362120009-603    | ••• Cover, Aircraft Grou .....                                     | 1          |
| 7                  | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 2          |
| 8                  | PAOZZ              | 81996       | 1680-AH64-007      | ••• Cover Assembly, Pito .....                                     | 2          |
| 9                  | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 1          |
| 10                 | PAOOO              | 8V613       | 7-362120008-87     | ••• Cover, Aircraft Grou .....                                     | 1          |
| 10                 | PAOZZ              | 0UHH0       | AH800G             | ••• Cover, Green Canopy .....                                      | 1          |
| 10                 | PAOZZ              | 0UHH0       | AH800CW            | ••• Cover, Woodland Camouflage, Canopy .....                       | 1          |
| 10                 | PAOZZ              | 0UHH0       | AH800CD            | ••• Cover, Desert Camouflage, Canopy .....                         | 1          |
| 11                 | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 2          |
| 12                 | MOOZZ              | 8V613       | 7-362120008-73     | •••• Boot .....                                                    | 1          |
| 13                 | MOOZZ              | 8V613       | 7-362120008-75     | •••• Boot .....                                                    | 1          |
| 14                 | MOOZZ              | 8V613       | 7-362120008-77     | •••• Boot .....                                                    | 1          |
| 15                 | PAOOO              | 38508       | 1680-AH64-003      | ••• Cover, Access .....                                            | 1          |
| 16                 | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 1          |
| 17                 | MOOZZ              | 8V613       | 7-262120017-37     | •••• Tape Hook .....                                               | 1          |
| 18                 | MOOZZ              | 8V613       | 7-262120017-47     | •••• Tape Pile .....                                               | 1          |
| 19                 | MOOZZ              | 8V613       | 7-262120017-49     | •••• Tape Pile .....                                               | 1          |
| 20                 | MOOZZ              | 8V613       | 7-262120017-51     | •••• Tape Hook .....                                               | 1          |
| 21                 | PAOZZ              | 96906       | MS20230BP20        | •••• Grommet, Metallic .....                                       | 2          |
| 22                 | PAOOO              | 81996       | 1680-AH64-004      | ••• Cover, Aircraft Grou .....                                     | 1          |
| 22                 | PAOZZ              | 0UHH0       | T800G              | ••• Cover, Green, TADS/PNVS .....                                  | 1          |
| 22                 | PAOZZ              | 0UHH0       | T800CW             | ••• Cover, Woodland Camouflage, TADS/PNVS .....                    | 1          |
| 22                 | PAOZZ              | 0UHH0       | T800CD             | ••• Cover, Desert Camouflage, TADS/PNVS .....                      | 1          |
| 23                 | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 2          |
| 24                 | MOOOO              | 8V613       | 7-362120006-37     | •••• Strap Assembly .....                                          | 1          |
| 25                 | MOOZZ              | 8V613       | 7-362120006-39     | •••• Strap .....                                                   | 1          |
| 26                 | MOOZZ              | 8V613       | 7-362120006-41     | •••• Tape, Hook .....                                              | 1          |
| 27                 | MOOZZ              | 8V613       | 7-362120006-43     | •••• Tape, Pile .....                                              | 1          |
| 28                 | PAOZZ              | 8V613       | 7-362300026        | •• Cover, Environmental .....                                      | 5          |
| 29                 | PAOZZ              | 0UHH0       | FABR800G           | ••• Windbreaker, Green RH .....                                    | 1          |
| 29                 | PAOZZ              | 0UHH0       | FABR800CW          | ••• Windbreaker, Woodland Camouflage RH .....                      | 1          |
| 29                 | PAOZZ              | 0UHH0       | FABR800CD          | ••• Windbreaker, Desert Camouflage RH .....                        | 1          |
| 30                 | PAOZZ              | 0UHH0       | FABL800G           | ••• Windbreaker, Green LH .....                                    | 1          |
| 30                 | PAOZZ              | 0UHH0       | FABL800CW          | ••• Windbreaker, Woodland Camouflage LH .....                      | 1          |
| 30                 | PAOZZ              | 0UHH0       | FABL800CD          | ••• Windbreaker, Desert Camouflage LH .....                        | 1          |
| END OF FIGURE      |                    |             |                    |                                                                    |            |



| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 82 Flyaway Items<br>Fig. 782 Tie Down Kit, Aircraft (Part 2) |            |
| 1                  | PBOOO              | 8V613       | 7-262100004-611    | • Tie Down Kit, Aircra .....                                       | 1          |
| 1                  | PBOOO              | 8V613       | 7-262100004-617    | • Tie Down Kit, Aircra .....                                       | 1          |
| 2                  | AOOOO              | 8V613       | 7-262110005-609    | •• Kit, Prot Cov, Acft .....                                       | 1          |
| 2                  | AOOOO              | 8V613       | 7-262110005-613    | •• Kit, Prot Cov, Acft .....                                       | 1          |
| 3                  | PAOOO              | 8V613       | 7-262120014-601    | ••• Shield, Prot-Eng Inl .....                                     | 2          |
| 4                  | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 1          |
| 5                  | PAOZZ              | 8V613       | 7-262120014-17     | •••• Strap, Webbing .....                                          | 1          |
| 6                  | PAOOO              | 8V613       | 7-262120011        | ••• Cover, Aircraft Grou .....                                     | 2          |
| 7                  | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 1          |
| 8                  | XDOZZ              | 02731       | HS4954-01          | •••• Ring, Connecting, Rou .....                                   | 1          |
| 9                  | PAOOO              | 8V613       | 7-262120012-9      | ••• Cover, Access .....                                            | 1          |
| 10                 | XAOZZ              | 02731       | HS4432-2           | •••• Push On Nut .....                                             | 2          |
| 11                 | XAOZZ              | 71286       | 2600-3W            | •••• Stud Assembly, Turnl .....                                    | 2          |
| 12                 | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 1          |
| 13                 | XAOZZ              | 8V613       | 7-262120012-5      | •••• Tube .....                                                    | 1          |
| 14                 | XAOZZ              | 8V613       | 7-262120012-7      | •••• Cover .....                                                   | 1          |
| 15                 | XDOZZ              | 02731       | HS4954-01          | •••• Ring, Connecting, Rou .....                                   | 1          |
| 16                 | PAOOO              | 8V613       | 7-262120013        | ••• Cover, Aircraft Grou .....                                     | 2          |
| 17                 | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 1          |
| 18                 | XDOZZ              | 02731       | HS4954-01          | ••• Ring, Connecting, Rou .....                                    | 4          |
| 19                 | PAOOO              | 8V613       | 7-362120016        | ••• Cover, Aircraft Grou .....                                     | 6          |
| 20                 | PAOZZ              | 88044       | AN960KD3           | •••• Washer, Flat .....                                            | 4          |
| 21                 | PAOZZ              | 88044       | AN960KD4           | •••• Washer, Flat .....                                            | 4          |
| 22                 | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 1          |
| 23                 | XDOZZ              | 02731       | HS4954-01          | •••• Ring, Connecting, Rou .....                                   | 1          |
| 24                 | PAOOO              | 8V613       | 7-262120018        | ••• Plug, Flight Streame .....                                     | 1          |
| 25                 | PAOZZ              | 88044       | AN960JD4           | •••• Washer, Flat .....                                            | 6          |
| 26                 | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 1          |
| 27                 | XDOZZ              | 02731       | HS4954-01          | •••• Ring, Connecting, Rou .....                                   | 1          |
| 28                 | PAOOO              | 8V613       | 7-362120015-11     | ••• Guard, Muffler-Exhau .....                                     | 1          |
| 29                 | PAOZZ              | 88044       | AN960KD3           | •••• Washer, Flat .....                                            | 4          |
| 30                 | PAOZZ              | 88044       | AN960KD4           | •••• Washer, Flat .....                                            | 4          |
| 31                 | PAOZZ              | 80205       | NAS1756-24         | •••• Streamer, Warning .....                                       | 1          |
| 32                 | PAOZZ              | 0UHH0       | AMR800G            | ••• Cover, Green, M/R Head .....                                   | 1          |
| 32                 | PAOZZ              | 0UHH0       | AMR800CW           | ••• Cover, Woodland Camouflage, M/R Head .....                     | 1          |
| 32                 | PAOZZ              | 0UHH0       | AMR800CD           | ••• Cover, Desert Camouflage, M/R Head .....                       | 1          |
| 33                 | PAOZZ              | 0UHH0       | AHRC800G           | ••• Container, Canopy Cover, Green, .....                          | 1          |
| 33                 | PAOZZ              | 0UHH0       | AHRC800CW          | ••• Container, Canopy Cover, Woodland Camouflage .....             | 1          |
| 33                 | PAOZZ              | 0UHH0       | AHRC800CD          | ••• Container, Canopy Cover, Desert Camouflage .....               | 1          |
| 34                 | PAOZZ              | 0UHH0       | AADSS800G          | ••• Cover, ADSS Green .....                                        | 1          |
| 34                 | PAOZZ              | 0UHH0       | AADSS800CW         | ••• Cover, ADSS Woodland Camouflage .....                          | 1          |
| 34                 | PAOZZ              | 0UHH0       | AADSS800CD         | ••• Cover, ADSS Desert Camouflage .....                            | 1          |
| END OF FIGURE      |                    |             |                    |                                                                    |            |





M09-765D

Figure 783. Group 82 Tie Down Kit, Aircraft (Part 3)

| (1)<br>ITEM<br>NO. | (2)<br>SMR<br>CODE | (3)<br>CAGE | (4)<br>PART NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODE (UOC)                        | (6)<br>QTY |
|--------------------|--------------------|-------------|--------------------|--------------------------------------------------------------------|------------|
|                    |                    |             |                    | Group 82 Flyaway Items<br>Fig. 783 Tie Down Kit, Aircraft (Part 3) |            |
| 1                  | PBOOO              | 8V613       | 7-262100004-611    | • Tie Down Kit, Aircra .....                                       | 1          |
| 1                  | PBOOO              | 8V613       | 7-262100004-617    | • Tie Down Kit, Aircra .....                                       | 1          |
| 2                  | PAOOO              | 81996       | 1680-AH64-009-1    | •• Tie Down, Rotary Win .....                                      | 4          |
| 3                  | XAOZZ              | 8V613       | 7-262110002-43     | ••• Sock Assy .....                                                | 1          |
| 4                  | MOOZZ              | 8V613       | 7-262110002-17     | ••• Tether .....                                                   | 1          |
| 5                  | XAOZZ              | 8V613       | 7-262110002-19     | ••• Strap .....                                                    | 1          |
| 6                  | XAOZZ              | 8V613       | 7-262110002-21     | ••• Strap .....                                                    | 1          |
| 7                  | XAOZZ              | 8V613       | 7-262110002-25     | ••• Strap .....                                                    | 2          |
| 8                  | PAOZZ              | 80205       | NAS1756-24         | ••• Streamer, Warning .....                                        | 1          |
| 9                  | PAOOO              | 8V613       | 7-262110004        | •• Pole, Blade Handling .....                                      | 1          |
| 10                 | PAOZZ              | 96906       | MS51960-83         | ••• Screw, Machine .....                                           | 1          |
| 11                 | XDOZZ              | 08844       | AM2661-2-3         | ••• End Assembly .....                                             | 1          |
| 12                 | XDOZZ              | 08844       | AMA2661-2          | ••• Strut Assy .....                                               | 1          |
| 13                 | XDOZZ              | 08844       | AM2661-2-61        | •••• Decal, Ident .....                                            | 1          |
| 14                 | PAOZZ              | 8V613       | 7-362110006        | •• Pouch, Stowage .....                                            | 1          |
| 15                 | PAOOO              | 8V613       | 7-362120179-1      | •• Cover, Aircraft Grou .....                                      | 1          |
| 16                 | PAOZZ              | 80205       | NAS1756-12         | ••• Streamer, Warning .....                                        | 1          |
| 17                 | PAOZZ              | 96906       | MS51844-62         | ••• Swaging Sleeve, Wire .....                                     | 1          |
| END OF FIGURE      |                    |             |                    |                                                                    |            |



By Order of the Secretary of the Army:

Official:

A handwritten signature in black ink, reading "Sandra R. Riley". The signature is fluid and cursive, with the first name "Sandra" being the most prominent.

SANDRA R. RILEY  
Administrative Assistant to the  
Secretary of the *Army*  
0515104

PETER J. SCHOOMAKER  
General, United States Army  
Chief of Staff

DISTRIBUTION:

To be distributed in accordance with the Initial Distribution Number (IDN) 311318, requirements for TM 1-1520-238-23P-3.



## ***These are the instructions for sending an electronic 2028***

The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however, only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 17, and 27.

From: "Whoever" [whoever@avma27.army.mil](mailto:whoever@avma27.army.mil)  
To: [2028@redstone.army.mil](mailto:2028@redstone.army.mil)  
Subject: DA Form 2028

1. ***From:*** Joe Smith
2. ***Unit:*** home
3. ***Address:*** 4300 Park
4. ***City:*** Hometown
5. ***St:*** MO
6. ***Zip:*** 77777
7. ***Date Sent:*** 19-OCT-93
8. ***Pub no:*** 55-2840-229-23
9. ***Pub Title:*** TM
10. ***Publication Date:*** 04-JUL-85
11. ***Change Number:*** 7
12. ***Submitter Rank:*** MSG
13. ***Submitter FName:*** Joe
14. ***Submitter MName:*** T
15. ***Submitter LName:*** Smith
16. ***Submitter Phone:*** 123-123-1234
17. ***Problem:*** 1
18. ***Page:*** 2
19. ***Paragraph:*** 3
20. ***Line:*** 4
21. ***NSN:*** 5
22. ***Reference:*** 6
23. ***Figure:*** 7
24. ***Table:*** 8
25. ***Item:*** 9
26. ***Total:*** 123
27. ***Text:***

This is the text for the problem below line 27.



|                                                                                                                                                                                             |                |            |      |                                                        |       |                                                                                                                          |                                                                                                                          |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|------|--------------------------------------------------------|-------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS</b><br>For use of the for, see AR 25-35; the proponent agency is ODISC4                                                              |                |            |      |                                                        |       | Use Part II (reverse) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).        | <b>DATE</b><br><b>8/30/02</b>                                                                                            |
| <b>TO:</b> (Forward to proponent of the publication or form) (Include ZIP Code)<br>Commander, U.S. Army Aviation and Missile Command<br>Attn: AMSAM-MMC-MA-NP<br>Redstone Arsenal, AL 35898 |                |            |      |                                                        |       | <b>FROM:</b> (Activity and location) (Include ZIP Code)<br>MSG, Jane Q. Doe<br>1234 Any Street<br>Nowhere Town, AL 34565 |                                                                                                                          |
| <b>PART I - ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS</b>                                                                                                                   |                |            |      |                                                        |       |                                                                                                                          |                                                                                                                          |
| <b>PUBLICATION/FORM NUMBER</b><br>TM 1-1520-238-23-1                                                                                                                                        |                |            |      |                                                        |       | <b>DATE</b><br>16 May 1994                                                                                               | <b>TITLE</b><br>Aviation Unit and Intermediate Maintenance Manual, for Helicopter, Attack, AH-64A Apache (Volume 3 of 9) |
| ITEM                                                                                                                                                                                        | PAGE           | PARA-GRAPH | LINE | FIGURE NO.                                             | TABLE | RECOMMENDED CHANGES AND REASON                                                                                           |                                                                                                                          |
| 1                                                                                                                                                                                           | WP0005<br>PG 3 |            | 2    |                                                        |       | Test or Corrective Action column should identify a different WP number.                                                  |                                                                                                                          |
| <div style="transform: rotate(-45deg); font-size: 100px; opacity: 0.5;">EXAMPLE</div>                                                                                                       |                |            |      |                                                        |       |                                                                                                                          |                                                                                                                          |
| <i>*Reference to line numbers within the paragraph or subparagraph.</i>                                                                                                                     |                |            |      |                                                        |       |                                                                                                                          |                                                                                                                          |
| TYPED NAME, GRADE OR TITLE<br>MSG, Jane Q. Doe, SFC                                                                                                                                         |                |            |      | TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENTION<br>788-1234 |       | SIGNATURE                                                                                                                |                                                                                                                          |



|                                                                                                                                                                                                         |          |          |                       |                                                                                                                                 |            |          |                                    |                        |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|------------|----------|------------------------------------|------------------------|--|
| <b>TO:</b> <i>(Forward direct to addressee listed in publication)</i><br>Commander, U.S. Army Aviation and Missile Command<br>ATTN: AMSAM-MMC-MA-NP<br>RedstoneArsenal, 35898                           |          |          |                       | <b>FROM:</b> <i>(Activity and location) (Include ZIP Code)</i><br>MSG, Jane Q. Doe<br>1234 Any Street<br>Nowhere Town, AL 34565 |            |          |                                    | <b>DATE</b><br>8/30/02 |  |
| <b>PART II – REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS</b>                                                                                                                 |          |          |                       |                                                                                                                                 |            |          |                                    |                        |  |
| PUBLICATION NUMBER                                                                                                                                                                                      |          |          |                       | DATE                                                                                                                            |            | TITLE    |                                    |                        |  |
| PAGE NO.                                                                                                                                                                                                | COLM NO. | LINE NO. | NATIONAL STOCK NUMBER | REFERENCE NO.                                                                                                                   | FIGURE NO. | ITEM NO. | TOTAL NO. OF MAJOR ITEMS SUPPORTED | RECOMMENDED ACTION     |  |
|                                                                                                                                                                                                         |          |          |                       |                                                                                                                                 |            |          |                                    |                        |  |
| <b>PART III – REMARKS</b> <i>(Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)</i> |          |          |                       |                                                                                                                                 |            |          |                                    |                        |  |
| <div style="text-align: center; font-size: 100px; transform: rotate(-30deg); opacity: 0.5;">           EXAMPLE         </div>                                                                           |          |          |                       |                                                                                                                                 |            |          |                                    |                        |  |
| TYPED NAME, GRADE OR TITLE<br>MSG, Jane Q. Doe, SFC                                                                                                                                                     |          |          |                       | TELEPHONE EXCHANGE/AUTOVON,<br>PLUS EXTENTION<br>788-1234                                                                       |            |          | SIGNATURE                          |                        |  |

|                                                                                                                                                                                             |      |            |      |                                            |       |                                                                                                                   |                                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------|------|--------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS</b><br>For use of the for, see AR 25-35; the proponent agency is ODISC4                                                              |      |            |      |                                            |       | Use Part II (reverse) for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM). | <b>DATE</b>                                                                                                                               |
| <b>TO:</b> (Forward to proponent of the publication or form) (Include ZIP Code)<br>Commander, U.S. Army Aviation and Missile Command<br>ATTN: AMSAM-MMC-MA-NP<br>Redstone Arsenal, AL 35898 |      |            |      |                                            |       | <b>FROM:</b> (Activity and location) (Include ZIP Code)                                                           |                                                                                                                                           |
| <b>PART I - ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS</b>                                                                                                                   |      |            |      |                                            |       |                                                                                                                   |                                                                                                                                           |
| PUBLICATION/FORM NUMBER<br>TM 1-1520-238-23P-3                                                                                                                                              |      |            |      |                                            |       | DATE<br>12 Sep 2005                                                                                               | TITLE Aviation Unit and Intermediate Maintenance Repair Parts and Special Tools List for Helicopter, Attack, AH-64A Apache; Volume 3 of 5 |
| ITEM                                                                                                                                                                                        | PAGE | PARA-GRAPH | LINE | FIGURE NO.                                 | TABLE | RECOMMENDED CHANGES AND REASON                                                                                    |                                                                                                                                           |
|                                                                                                                                                                                             |      |            |      |                                            |       |                                                                                                                   |                                                                                                                                           |
| <i>*Reference to line numbers within the paragraph or subparagraph.</i>                                                                                                                     |      |            |      |                                            |       |                                                                                                                   |                                                                                                                                           |
| TYPED NAME, GRADE OR TITLE                                                                                                                                                                  |      |            |      | TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENTION |       | SIGNATURE                                                                                                         |                                                                                                                                           |

|                                                                                                                                                                                                         |             |             |                          |                                                                |               |                                                                                                                                                    |                                             |                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|--------------------------|----------------------------------------------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------|
| <b>TO:</b> <i>(Forward direct to addressee listed in publication)</i><br>Commander, U.S. Army Aviation and Missile Command<br>ATTN: AMSAM-MMC-MA-NP<br>Redstone Arsenal, AL 35898                       |             |             |                          | <b>FROM:</b> <i>(Activity and location) (Include ZIP Code)</i> |               |                                                                                                                                                    | <b>DATE</b>                                 |                    |
| <b>PART II – REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS</b>                                                                                                                 |             |             |                          |                                                                |               |                                                                                                                                                    |                                             |                    |
| PUBLICATION NUMBER<br>TM 1-1520-238-23P-3                                                                                                                                                               |             |             |                          | DATE<br>12 Sep 2005                                            |               | TITLE Aviation Unit and Intermediate<br>Maintenance Repair Parts and Special Tools<br>List for Helicopter, Attack, AH-64A Apache;<br>Volume 3 of 5 |                                             |                    |
| PAGE<br>NO.                                                                                                                                                                                             | COLM<br>NO. | LINE<br>NO. | NATIONAL STOCK<br>NUMBER | REFERENCE<br>NO.                                               | FIGURE<br>NO. | ITEM<br>NO.                                                                                                                                        | TOTAL NO.<br>OF MAJOR<br>ITEMS<br>SUPPORTED | RECOMMENDED ACTION |
|                                                                                                                                                                                                         |             |             |                          |                                                                |               |                                                                                                                                                    |                                             |                    |
| <b>PART III – REMARKS</b> <i>(Any general remarks or recommendations, or suggestions for improvement of publications and blank forms. Additional blank sheets may be used if more space is needed.)</i> |             |             |                          |                                                                |               |                                                                                                                                                    |                                             |                    |
|                                                                                                                                                                                                         |             |             |                          |                                                                |               |                                                                                                                                                    |                                             |                    |
| TYPED NAME, GRADE OR TITLE                                                                                                                                                                              |             |             |                          | TELEPHONE EXCHANGE/AUTOVON,<br>PLUS EXTENTION                  |               |                                                                                                                                                    | SIGNATURE                                   |                    |

# The Metric System and Equivalents

## Linear Measure

1 centimeter = 10 millimeters = .39 inch  
 1 decimeter = 10 centimeters = 3.94 inches  
 1 meter = 10 decimeters = 39.37 inches  
 1 dekameter = 10 meters = 32.8 feet  
 1 hectometer = 10 dekameters = 328.08 feet  
 1 kilometer = 10 hectometers = 3,280.8 feet

## Weights

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 dekagram = 10 grams = .35 ounce  
 1 hectogram = 10 dekagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

## Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounces  
 1 deciliter = 10 centiliters = 3.38 fl. ounces  
 1 liter = 10 deciliters = 33.81 fl. ounces  
 1 dekaliter = 10 liters = 2.64 gallons  
 1 hectoliter = 10 dekaliters = 26.42 gallons  
 1 kiloliter = 10 hectoliters = 264.18 gallons

## Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch  
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches  
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet  
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet  
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres  
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

## Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch  
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches  
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

# Approximate Conversion Factors

| <i>To change</i> | <i>To</i>          | <i>Multiply by</i> | <i>To change</i>   | <i>To</i>     | <i>Multiply by</i> |
|------------------|--------------------|--------------------|--------------------|---------------|--------------------|
| inches           | centimeters        | 2.540              | ounce-inches       | newton-meters | .007062            |
| feet             | meters             | .305               | centimeters        | inches        | .394               |
| yards            | meters             | .914               | meters             | feet          | 3.280              |
| miles            | kilometers         | 1.609              | meters             | yards         | 1.094              |
| square inches    | square centimeters | 6.452              | kilometers         | miles         | .621               |
| square feet      | square meters      | .093               | square centimeters | square inches | .155               |
| square yards     | square meters      | .836               | square meters      | square feet   | 10.764             |
| square miles     | square kilometers  | 2.590              | square meters      | square yards  | 1.196              |
| acres            | square hectometers | .405               | square kilometers  | square miles  | .386               |
| cubic feet       | cubic meters       | .028               | square hectometers | acres         | 2.471              |
| cubic yards      | cubic meters       | .765               | cubic meters       | cubic feet    | 35.315             |
| fluid ounces     | milliliters        | 29.573             | cubic meters       | cubic yards   | 1.308              |
| pints            | liters             | .473               | milliliters        | fluid ounces  | .034               |
| quarts           | liters             | .946               | liters             | pints         | 2.113              |
| gallons          | liters             | 3.785              | liters             | quarts        | 1.057              |
| ounces           | grams              | 28.349             | liters             | gallons       | .264               |
| pounds           | kilograms          | .454               | grams              | ounces        | .035               |
| short tons       | metric tons        | .907               | kilograms          | pounds        | 2.205              |
| pound-feet       | newton-meters      | 1.356              | metric tons        | short tons    | 1.102              |
| pound-inches     | newton-meters      | .11296             |                    |               |                    |

# Temperature (Exact)

|     |                        |                            |                     |     |
|-----|------------------------|----------------------------|---------------------|-----|
| ° F | Fahrenheit temperature | 5/9 (after subtracting 32) | Celsius temperature | ° C |
|-----|------------------------|----------------------------|---------------------|-----|

**PIN: 073820-000**