COMPONENT MAINTENANCE MANUAL WITH ILLUSTRATED PARTS LIST

ATTENDANTS SERVICE UNIT OXYGEN BOX ASSEMBLY

PART NUMBER 417N3810–10SP

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COMPONENT MAINTENANCE MANUAL

Revision No. 9
Jul 01/2009

To: All holders of ATTENDANTS SERVICE UNIT OXYGEN BOX ASSEMBLY 35-21-32.

Attached is the current revision to this COMPONENT MAINTENANCE MANUAL

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Location of Change	Description of Change
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TEMPORARY REVISION AND SERVICE BULLETIN RECORD

BOEING SERVICE BULLETIN	BOEING TEMPORARY REVISION	OTHER DIRECTIVE	DATE OF INCORPORATION INTO MANUAL
35A1037			JUN 05/92
35-1076		AD 2001-10-14	NOV 01/01
35-1077		AD 2001-10-14	NOV 01/01

All revisions to this manual will be accompanied by transmittal sheet bearing the revision number. Enter the revision number in numerical order, together with the revision date, the date filed and the initials of the person filing.

Revision		Filed	
Number	Date	Date	Initials

Revision		Filed	
Number	Date	Date	Initials

Revision		Filed		Revision		Filed	
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Temporary Revision		Inserted		Removed	
Number	Date	Date	Initials	Date	Initials

Temporary Revision		Inserted		Removed	
Date	Initials	Number	Date	Date	Initials

Temporary Revision		Inserted		Removed	
Number	Date	Date	Initials	Date	Initials

Temporary Revision		Inserted		Removed	
Date	Initials	Number	Date	Date	Initials

INTRODUCTION

1. General

A. The instructions in this manual supply the data necessary to do the maintenance functions together with the test, fault isolation, repair, and replacement of the defective parts.

B. This manual is divided into different parts:

(1) Title Page

(2) Transmittal Letter

(3) Highlights

(4) List of Effective Pages

(5) Table of Contents

(6) Temporary Revision & Service Bulletin Record

(7) Record of Revisions

(8) Record of Temporary Revisions

(9) Introduction

(10) Procedures & IPL Sections

C. Components that can be repaired have a different repair number for each specified repair. To find the repair number location of a component, look in the Repair-General procedure at the beginning of the REPAIR section. The Repair-General procedure also has an explanation of the True Position Dimension symbols used.

D. All dimensions, measures, quantities and weights included are in English units. When metric equivalents are given they will be in the parentheses that follow the English units.

E. The introduction to the Illustrated Parts List (IPL) shows how the IPL data is used.

F. Design changes, optional parts, configuration differences and Service Bulletin modifications may cause different part numbers. These part numbers are identified in the IPL with an alphabetical letter which is added to the end of the basic item number. This new item number is referred to as an alpha-variant. Throughout the manual, IPL basic item number references also apply to alpha-variants unless shown differently.

G. The tool reference numbers found in the individual procedures and in the Special Tools, Fixtures, and Equipment section are used to identify if a tool is a standard tool (STD-XXXX), a commercial tool (COM-XXXX), or a Special Tool (SPL-XXXX). This reference number is also used to distinguish between tools with similar names in the same procedure. These reference numbers are for use in the documentation only. They are not to be used for ordering tools.

ATTENDANTS SERVICE UNIT AND LAVATORY OXYGEN BOX ASSEMBLY - DESCRIPTION AND OPERATION

1. Description

A. The attendants service unit and lavatory oxygen box assembly consists of an oxygen generator clamped in a heat shield assembly and an aluminum box containing two oxygen masks. Each mask is connected to the generator outlet valve by plastic tubing and to the generator ignition unit by a lanyard, attached to a release cable assembly. A panel door supports the masks and is released by an electromechanical actuator. A heat sensitive color band around oxygen generator turns black indicating the generator is expended and must be replaced.

2. Operation

A. Depressurization of the airplane causes an electrically tripped mechanism in the door latch actuator to release a spring-loaded plunger which disengages the latch and releases the panel door. Release of the panel door causes the masks to fall to the extent of the lanyards. Pulling the masks to position for usage causes the lanyard to pull the release cable assembly and release the firing pin in the generator ignition unit. This detonates a percussion cap to ignite the sodium chlorate core. As the core is consumed, oxygen is generated and flows to the masks.

3. Leading Particulars (Approximate)

A. Length – 10.5 inches

B. Height – 3.5 inches

C. Width – 8.0 inches

(NOT APPLICABLE)

DISASSEMBLY

1. General

   A. This procedure has the data necessary to disassemble the attendants service unit oxygen box assembly.

   B. Disassemble this component sufficiently to isolate the defects, do the necessary repairs, and put the component back to a serviceable condition.

   C. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.

   D. Refer to IPL Figure 1 for item numbers.

2. Disassembly (IPL Figure 1)

   WARNING: DO NOT ALLOW OIL, GREASE, FLAMMABLE SOLVENTS, DUST, LINT, FINE METAL FILINGS, OR OTHER COMBUSTIBLE MATERIALS TO CONTAMINATE PARTS THAT WILL BE EXPOSED TO OXYGEN. COMBUSTIBLE MATERIAL MAY IGNITE AND RESULT IN AN EXPLOSION WHEN EXPOSED TO OXYGEN.

   WARNING: OXYGEN GENERATOR IS A PYRO-TECHNIC ACTIVATED, HIGH-HEAT-PRODUCING UNIT WHICH CAN INFLICT SERIOUS BURNS. TO PREVENT INJURY TO PERSONNEL, ENSURE THAT SAFETY PIN WITH WARNING FLAG, A35001-10, IS PROPERLY INSTALLED ON UNACTIVATED GENERATOR.

   CAUTION: PARTS OF OXYGEN MODULE ASSEMBLY ARE VISIBLE FROM CABIN INTERIOR. SPECIAL CARE MUST BE TAKEN TO PREVENT MARRING VISIBLE SURFACES.

   A. Invert oxygen module assy, unlatch and open door.

      NOTE: Do not remove safety pin with warning flag, retraction equipment, SPL-4582, from generator activation mechanism.

   B. Remove activation pin (410) from generator activation mechanism.

   C. Pull tubing (355) from generator manifold outlet nozzles.

   D. Remove screw (280), washer (285), nut (290), and clamp (295). Lift out oxygen mask assys.

   E. Remove screw (515), shield assy (460) and lift out generator (525).

   F. Remove nuts (120), washers (115), and actuator (125).

   G. Remove screws (170) and test stop assy (180).

      NOTE: Do not remove actuator reset lever (160) unless necessary for repair or replacement.

   H. Remove screw (395), washer (460), nut (405), and release cable assy (390).

   I. Remove door assy (20).

      (1) Remove retainers (5).

      (2) Withdraw hinge pin (45) and remove door assy (20) and spring (50).

   J. Remove latch (55).

      (1) Remove retainers (5).

      (2) Withdraw latch pin (10) and remove latch (55) and springs (15).

   K. Disassemble test stop assy (180).

      (1) Remove screw (195), plunger (265), and plunger guide (240).

(2) Remove screws (190), cap (255), washers (250), and spring.

CLEANING

1. General

A. This procedure has the data necessary to clean the attendants service unit oxygen box asembly.

B. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.

C. Refer to IPL Figure 1 for item numbers.

2. Cleaning

A. References

Reference	Title
SOPM 20-30-03	GENERAL CLEANING PROCEDURES

B. Procedure

CAUTION: USE ONLY LISTED CLEANING MATERIALS. USE OF OTHER MATERIALS MAY CAUSE INSTANTANEOUS AND VISUALLY - UNDETECTABLE DAMAGE.

(1) Clean all decorative plastic parts per SOPM 20-30-03, cleaning of interior painted and plastic parts.

WARNING: DO NOT ALLOW OIL, GREASE, FLAMMABLE SOLVENTS, DUST, LINT, FINE METAL FILINGS, OR OTHER COMBUSTIBLE MATERIALS TO CONTAMINATE PARTS THAT WILL BE EXPOSED TO OXYGEN. COMBUSTIBLE MATERIAL MAY IGNITE AND RESULT IN AN EXPLOSION WHEN EXPOSED TO OXYGEN.

(2) Clean all vendor supplied oxygen system components (385, 525, IPL Figure 1) per vendor's overhaul manual.

(3) Clean all oxygen system tubing and fittings by vapor degreasing per SOPM 20-30-03.

CHECK

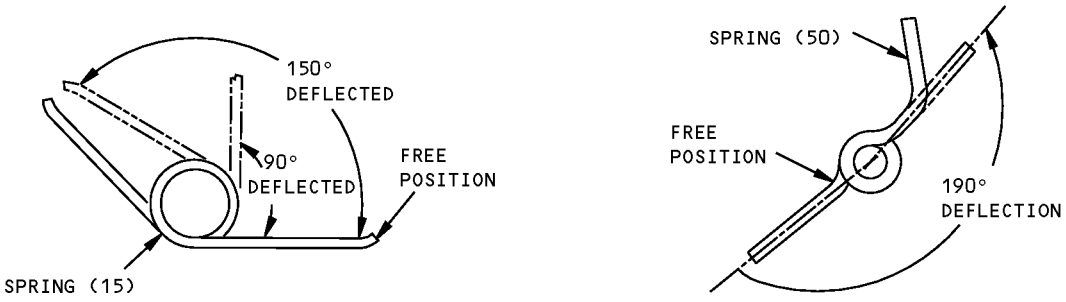
1. **General**
   A. This procedure has the data necessary to find defects in the material of the specified parts.
   B. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.
   C. Refer to IPL Figure 1 for item numbers.
2. **Check**
   A. Procedure
      (1) Check all parts for obvious defects in accordance with standard industry practices.
      (2) Check color indicator on oxygen generator (525). Replace generator if color band is black.

      NOTE: White, heat sensitive color band on oxygen generator turns black when generator is expended.

      (3) Check length of lanyard (360) to be 16.0 inches.
      (4) Check springs (50, 15, 245) per CHECK, Table 501 and CHECK, Figure 501.

Table 501: Spring Check

SPRING	COMPRES˜ SED HEIGHT (IN)	DEFLECTION (DEGREES FROM FREE POSITION)	CHECK LOAD
245	0.25	-	1.08 - 1.32 lb
	0.75	-	0.36 - 0.44 lb
15	-	90	0.355 lb-in min
	-	150	0.60 lb-in max
50	-	190	0.90 - 1.10 lb-in



Spring Check
Figure 501

REPAIR

1. **Content**

   A. Repair, refinish and replacement procedures, as applicable, are included in separate repair sections as follows:

Table 601:

P/N	NAME	REPAIR
–	MISCELLANEOUS PARTS	1-1

MISCELLANEOUS PARTS - REPAIR 1-1

1. General

A. This procedure has the data necessary to refinish the parts which are not given in the specified repairs.

B. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.

C. Refer to IPL Figure 1 for item numbers.

2. Refinish details

A. Consumable Materials

NOTE: Equivalent substitutes may be used.

Reference	Description	Specification
C00259	Primer - Chemical And Solvent Resistant Finish, Epoxy Resin	BMS10-11, Type I

B. References

Reference	Title
SOPM 20-30-02	STRIPPING OF PROTECTIVE FINISHES
SOPM 20-41-01	DECODING TABLE FOR BOEING FINISH CODES
SOPM 20-60-02	FINISHING MATERIALS

C. Procedure

NOTE: For stripping of protective finishes, refer to SOPM 20-30-02. For the decoding table for Boeing finish codes, refer to SOPM 20-41-01. For finishing materials, refer to SOPM 20-60-02.

(1) Repair of parts listed in REPAIR 1-1, Table 601 consists of restoration of original finish.

Table 601: Refinish Details

IPL FIG. & ITEM	MATERIAL	FINISH
Fig. 1		
Hinge (445) Oxygen Box (490)	Al alloy	Chromic acid anodize and apply primer, C00259 (F-18.13)
Mounting plate (175) Mounting bracket (455)	Al alloy	Chemical treat and apply primer, C00259 (F-18.06)
Pin (410)	CRES	Cadmium plate (F-15.06)

ASSEMBLY

1. General

A. This procedure has the data necessary to assemble the attendants service unit oxygen box asembly.

B. Refer to the Standard Overhaul Practices Manual (SOPM) for the SOPM subjects identified in this procedure.

C. Refer to IPL Figure 1 for the item numbers.

2. Assembly (IPL Figure 1)

A. References

Reference	Title
SOPM 20-50-01	BOLT AND NUT INSTALLATION

B. Procedure

NOTE: For bolt and nut installation, refer to SOPM 20-50-01.

(1) Assemble test stop assy (180).

(a) Insert washer (250), then spring (245), and second washer (250) into housing (230). Retain with cap (255) and screws (190).

(b) Insert plunger guide (240) into keyed hole in top of housing and plunger (265) into bottom of housing. Attach with screw (195). Make sure that plunger (265) is aligned to let it set the pin in actuator (125).

CAUTION: DO NOT LET OIL, GREASE, FLAMMABLE SOLVENTS, DUST, LINT, FINE METAL FILINGS, OR OTHER COMBUSTIBLE MATERIALS GET ON PARTS THAT COULD TOUCH OXYGEN. COMBUSTIBLE MATERIALS COULD IGNITE AND CAUSE AN EXPLOSION WHEN THE OXYGEN COMES IN.

(2) Attach streamer assy (310) to oxygen mask assembly (345) per Fig. 702 ASSEMBLY, Figure 702.

(3) Pack oxygen mask assys.

(a) Unfold and flatten bag (380).

(b) Lay headstrap (375) on top of bag and fold bag in thirds, lengthwise. Width of bag should be 2.10 to 2.30 inches, after folding.

(c) Drape bag up side of mask and into facepiece. The bag/tubing connection should be approximately centered in bottom of facepiece, with excess bag protruding 1.0 to 2.0 inches above mask.

(d) Coil tubing into mask.

1) On mask assys 417T4205-17, coil tubing from bottom of mask counterclockwise around inside wall of mask. Tubing must be pressed firmly down and against inside wall of mask to achieve correct coiling of tubing. Tubing must be stowed within envelope of mask.

(e) Fold top of bag over mask edge and tubing (Fig. 703 ASSEMBLY, Figure 702.

(4) Slide latch pin (10) through latch (55, 75) and springs (15). Secure with retainers (5).

(5) Attach door assy (20) by inserting hinge pin (45) through door assy, hinge (445) and spring (50). Secure hinge pin with retainers (5). Adjust door assy (20) to clearance shown in ASSEMBLY, Figure 702.

(6) Attach release cable (390) with screw (395), washer (460), and nut (405).

(7) Attach shield assys (460) to oxygen box (490) with screws (425). Do not tighten screws.

(8) Attach test stop assy (180) and actuator to mounting bracket (175) with screws (170) and nuts (120), washers (115) respectively. Close and latch door assembly. Adjust location of mounting bracket so that test stop assembly is flush with door assembly within 0.01 inch.

WARNING: OXYGEN GENERATOR IS A PYRO-TECHNIC ACTIVATED, HIGH-HEAT-PRODUCING UNIT WHICH CAN INFLICT SERIOUS BURNS. TO PREVENT INJURY TO PERSONNEL, ENSURE THAT SAFETY PIN WITH WARNING FLAG, A35001-10, IS PROPERLY INSTALLED ON UNACTIVATED GENERATOR.

(9) Invert oxygen module assy and open door assembly.

CAUTION: REFER TO SB 737-35-1076, 737-35-1077 TO MAKE SURE THE RELEASE PIN IS IN THE RELEASE PIN HOLE, NOT IN THE SAFETY PIN HOLE (AD 2001-10-14).

(10) Slip pin (410) through rings (365) and into generator activation mechanism. Do not remove safety pin with warning flag after inserting pin into generator.

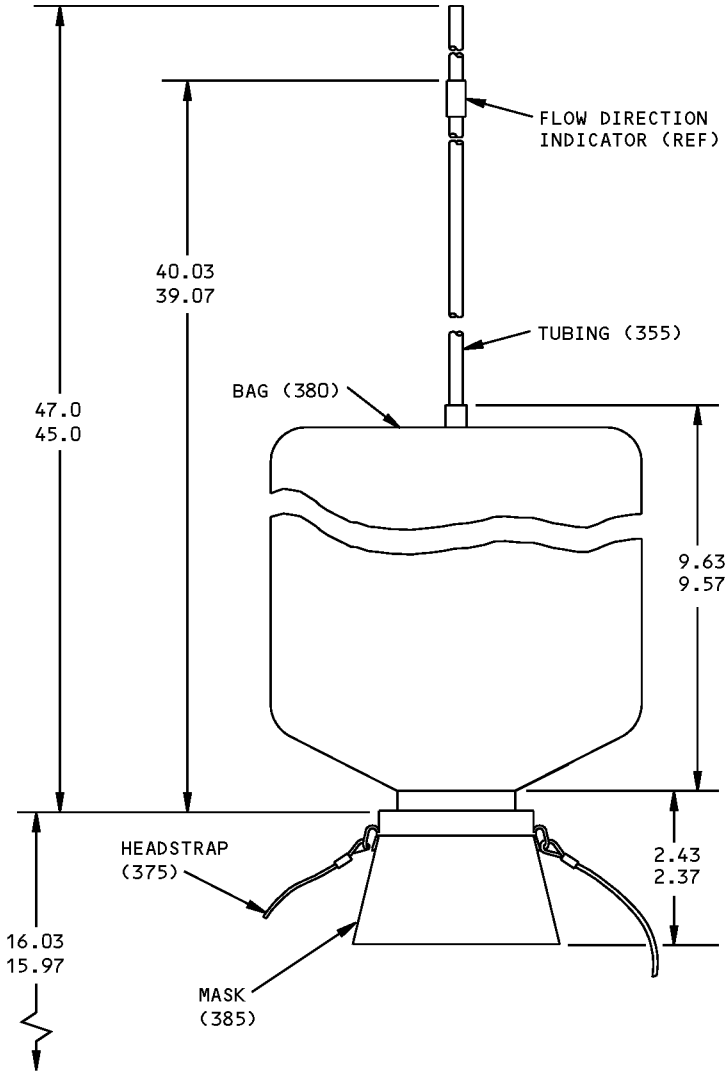
(11) Set generator into shield assembly (460), with warning flag towards release cable assembly (390) and secure by tightening screws (515).

(12) Thread tubing (355) through clamp (295) and press onto generator outlet nozzles. Attach clamp to oxygen box with screw (280), washer (285), and nut (290).

(13) Place mask assys, open side up, into oxygen box; check that there are no sharp bends or crimps in hoses.

(14) Coil streamer assy (310) and place on top of mask assys.

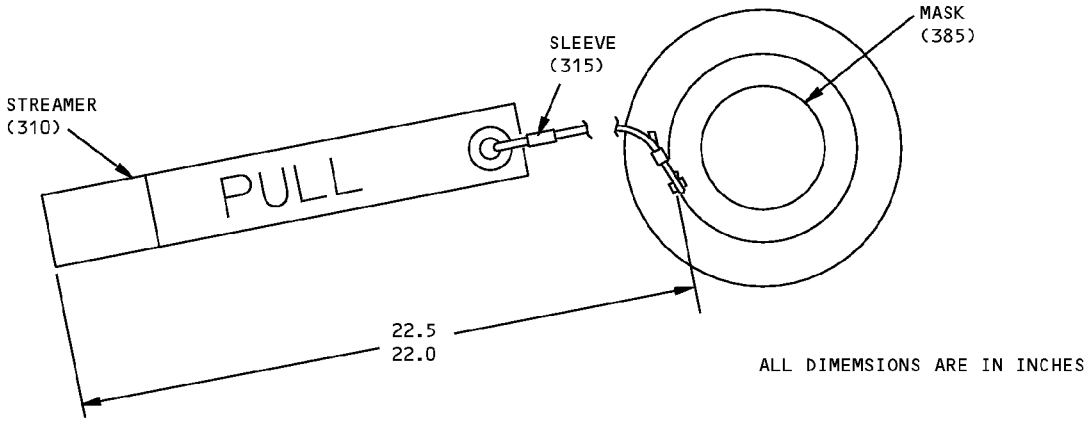
(15) Close and latch door assy.



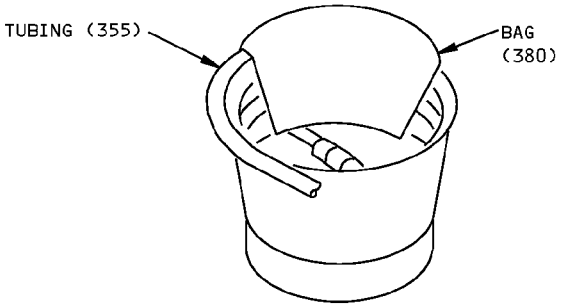
ASSEMBLY 417T4205-17

ALL DIMEMSIONS ARE IN INCHES

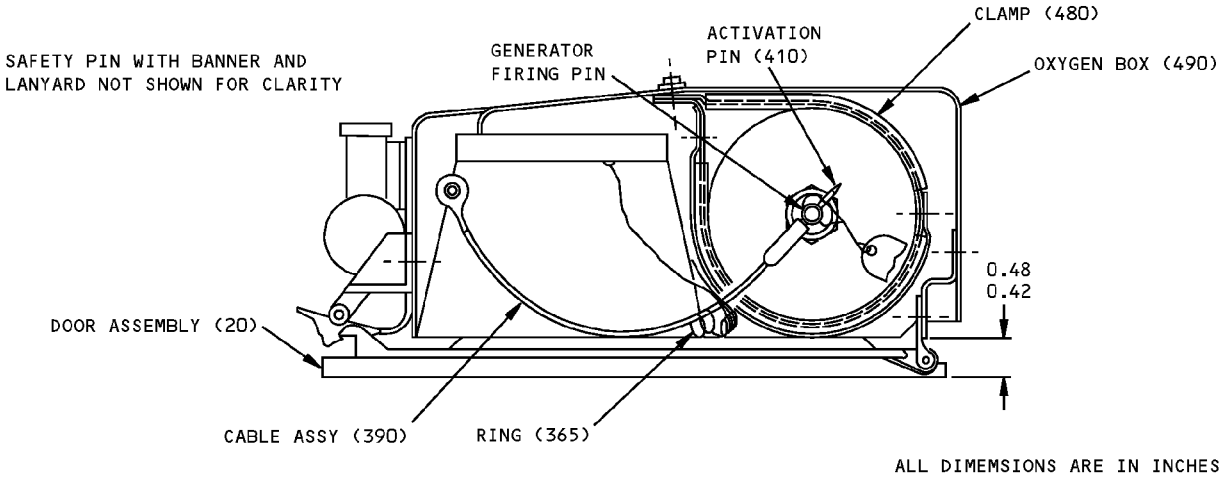
Oxygen Mask Assembly
Figure 701



Streamer Attachment
Figure 702



Oxygen Mask Assembly Packing
Figure 703



Door Assembly Adjustment
Figure 702

(NOT APPLICABLE)

SPECIAL TOOLS, FIXTURES, AND EQUIPMENT

1. General

A. This section lists the special tools, fixtures, and equipment necessary for maintenance.

NOTE: Equivalent substitutes may be used.

Special Tools

Reference	Description	Part Number	Supplier
SPL-4582	Retraction Equipment - Oxygen System Firing Pin	C35003-1 Opt: A35001-10	81205 81205

Tool Supplier Information

CAGE Code	Supplier Name	Supplier Address
81205	THE BOEING COMPANY	17930 INTERNATIONAL BLVD. SOUTH SEATAC, WA 98188-4321 Telephone: 206-662-6650 Facsimile: 206-662-7145

ILLUSTRATED PARTS LIST

1. Introduction

A. The Illustrated Parts List (IPL) contains an illustration and a list of component parts you can repair or replace. The Illustrated Parts Catalog (IPC) shows how to use the Boeing part number system.

B. This shows how parts are related: The relation of each item to its next higher assembly (NHA) is shown in the NOMENCLATURE column. Use the indenture system that follows:

1 2 3 4 5 6 7

. Assembly

. Attaching parts for assembly

. . Detail parts for assembly

. . Subassembly

. . Attaching parts for subassembly

. . . Detail parts for subassembly

. . . Sub-subassembly

. . . Attaching parts for subassembly

. . . . . Details parts for sub-subassembly

Detail Installation Parts (Included only if installation parts may be sent to the shop as part of assembly)

C. Each top assembly is given one use code letter (A, B, C, etc.) in the USAGE CODE column. All subsequent component parts in the list can have one or more of the use code letters to show effectivity to top assemblies. A component part without a use code applies to all top assemblies.

D. An alphabetical letter is added after the item number for optional parts, parts changed by a Service Bulletin, configuration differences (except left-handed and right-handed parts), last engineering releases, and parts added between item numbers in a sequence. The alphabetical letter will not be shown on the illustration for equivalent parts of the same part number.

E. Color-coded parts are identified with a single digit alpha following the dash number or with ''SP'' suffix. If the ''SP'' suffix is used, it represents consolidation of all color codes applicable for a given usage which are not separately listed. Orders for color-coded parts should include the registry number of the airplane for which the parts are ordered.

F. If a part number is 15 characters long but will not fit in the part number column, the part number will be displayed with a ''~'' at the end of the line and will be continued on the next line. The ''~'' denotes that the part number continues on the next line.

G. Parts changed by a Service Bulletin are shown by PRE SB XXXX and POST SB XXXX added to the NOMENCLATURE column.

(1) When a new top assembly is added by a Service Bulletin, PRE SB XXXX and POST SB XXXX will be added at the top assembly level only. The configuration differences at the detail part level are shown by use code letters.

(2) When the top assembly part number is not changed by the Service Bulletin, PRE SB XXXX and POST SB XXXX will be added at the detail level.

H. Interchangeable Parts

Optional (OPT)	The part is optional to and interchangeable with other parts that have the same item number.
Replaces, Replaced by and not interchangeable with (REPLACES, REPLACED BY AND NOT INTCHG/W)	The part replaces and is not interchangeable with the initial part.
Replaces, Replaced by (REPLACES, REPLACED BY)	The part replaces and is interchangeable with, or is an alternative to, the initial part.

VENDOR CODES

Code	Name
01556	EMHART FASTENING SYSTEMS GROUP HELI-COIL DIV SHELTER ROCK LANE DANBURY, CONNECTICUT 06810 FORMERLY HELI-COIL DIV OF BLACK AND DECKER
06710	LAMSON AND SESSIONS CO THE VALLEY-TODECO 12975 BRADLEY AVENUE SYLMAR, CALIFORNIA 91342-3830 FORMERLY VALLEY BOLT CORP VB0097 IN NORTH HOLLYWOOD, CA
06725	AIR INDUSTRIES CORPORATION 12570 KNOTT STREET GARDEN GROVE, CALIFORNIA 92641-3932 FORMERLY AIR INDUSTRIES OF CALIF IN GARDENA, CALIF.
06950	SCREWCORP VSI AEROSPACE PRODUCTS DIV FAIRCHILD IND DIV 13001 EAST TEMPLE AVENUE PO BOX 730 CITY OF INDUSTRY, CALIFORNIA 91746-1417 FORMERLY VB0096 AND VSI CORP SCREWCORP DIV FORMERLY IN CULVER CITY, CALIFORNIA SCREW CORP SEE V.S.I. CORP SCREWCORP DIVISION
09790	EATON CORP VALVE AND ACTUATOR DIV 2338 ALASKA AVENUE EL SEGUNDO, CALIFORNIA 90245-4896 FORMERLY CONSOLIDATED CONTROLS CORPORATION
11815	CHERRY AEROSPACE FASTENERS DIV OF TEXTRON 1224 EAST WARNER AVENUE PO BOX 2157 SANTA ANA, CALIFORNIA 92707-0157 FORMERLY IN LOS ANGELES, CALIF , FORMERLY CHERRY FASTENERS TOWNSEND DIV OF TEXTRON INC V71087

Code	Name
15653	ALCOA GLOBAL FASTENERS INC DIV KAYNAR PRODUCTS 800 S STATE COLLEGE BLVD FULLERTON, CALIFORNIA 92831-3001 FORMERLY VK6405 MICRODOT AEROSP LTD; FORMERLY KAYNAR TECH FORMERLY FAIRCHILD FASTENERS KAYNAR DIV
16827	B/E AEROSPACE PURITAN-BENNETT AERO DIV 10800 PFLUMM ROAD LENEXA, KANSAS 66215 FORMERLY PURITAN EQUIPMENT IN KANSAS CITY, MO; FORMERLY PURITAN-BENNETT AERO SYS V02217
27624	PB FASTENERS DIV OF BRILES PAUL R 1700 WEST 132ND STREET GARDENA, CALIFORNIA 90249 FORMERLY PAUL R BRILES INC P.B. FASTENER DIV
2X013	MCQUIRE BEARING COMPANY 947 SOUTHEAST MARKET STREET PORTLAND, OREGON 97214-3556 FORMERLY V0647B
34252	GULF OIL CO USA DIV OF GULF OIL CORP PO BOX 1519 HOUSTON, TEXAS 77001
52828	REPUBLIC FASTENER MFG CORP 1300 RANCHO CONEJO BLVD NEWBURY PARK, CALIFORNIA 91320-1405 FORMERLY IN SYLMAR, CALIFORNIA
56878	SPS TECHNOLOGIES INC AEROSPACE AND INDUSTRIAL PRODUCTS DIV 301 HIGHLAND AVE JENKINTOWN, PENNSYLVANIA 19046 FORMERLY STANDARD PRESSED STEEL FORMERLY IN SALT LAKE, UTAH

Code	Name
59730	Replaced: [V59730] THOMAS AND BETTS CORP SEE V56501 by Code: Name and Address below 56501: THOMAS AND BETTS CORP 8155 T AND B BLVD MEMPHIS, TENNESSEE 38125 FORMERLY V 06865 AND V59730 THOMAS AND BETTS CORP
71087	Replaced: [V71087] BOOTS ACFT NUT DIV TOWNSEND CO SEE TEXTRON INC CHERRY FASTENER TOWNSEND DIV V11815 by Code: Name and Address below 11815: CHERRY AEROSPACE FASTENERS DIV OF TEXTRON 1224 EAST WARNER AVENUE PO BOX 2157 SANTA ANA, CALIFORNIA 92707-0157 FORMERLY IN LOS ANGELES, CALIF , FORMERLY CHERRY FASTENERS TOWNSEND DIV OF TEXTRON INC V71087
72962	HARVARD INDUSTRIES INC 3 WERNER WAY SUITE 210 LEBANON, NEW JERSEY 08833 FORMERLY ESNA V7A079 FORMERLY ELASTIC STOP NUT IN UNION, NJ
73197	HI-SHEAR TECHNOLOGY CORP 2600 SKYPARK DRIVE TORRANCE, CALIFORNIA 90509
80539	SPS TECHNOLOGIES INC DIV AERPSOACE - SANTA ANA 2701 SOUTH HARBOR BOULEVARD SANTA ANA, CALIFORNIA 92704-5803 FORMERLY NUTT-SHEL DIV OF SPC WESTERN CO V80539 AND STANDARD PRESSED STEEL WESTERN DIV V17279
92215	FAIRCHILD IND INC FAIRCHILD AEROSPACE FASTENER DIV 3010 W LOMITA BLVD TORRANCE, CALIFORNIA 90505-5102 FORMERLY VOI-SHAN IN CULVER CITY, CALIF
93907	TEXTRON INC CAMCAR DIV 600 18TH AVENUE ROCKFORD, ILLINOIS 61101

Code	Name
94222	SOUTHCO INCORPORATED 210 NORTH BRINTONLAKE RD PO BOX 116 CONCORDVILLE, PENNSYLVANIA 19331-0116 FORMERLY SOUTH CHESTER CORP. SOUTHCO DIVN V24248 FORMERLY IN LESTER, PENNSYLVANIA
97928	Replaced: [V97928] SEE V17446 HUCK INTL by Code: Name and Address below 17446: HUCK INTL INC AEROSPACE FASTENER DIV 900 WATSON CENTER ROAD CARSON, CALIFORNIA 90745-4201 FORMERLY V32134 REXNORD INC; FORMERLY V97928 HUCK INTL

NUMERICAL INDEX

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
117003-12		1	525	1
287T0011-1		1	295	1
417N3133-2		1	55	1
417N3133-3		1	75	2
417N3135-2		1	160	1
417N3135-4		1	165	1
417N3136-2		1	175	1
417N3137-2		1	390	1
417N3137-5		1	420	1
417N3137-6		1	410	1
417N3137-7		1	415	1
417N3141-4		1	25	1
417N3150-1SP		1	180	1
417N3150-4SP		1	185	1
417N3151-1		1	200	1
417N3151-12		1	205	1
417N3151-13		1	235	1
417N3151-16SP		1	260	1
417N3151-2		1	230	1
417N3151-3		1	255	1
417N3151-5		1	240	1
417N3151-6		1	250	2
417N3151-7SP		1	265	1
417N3151-8SP		1	275	1
417N3151-9SP		1	270	1
417N3152-2SP		1	80	1
417N3152-9SP		1	85	1
417N3173-2		1	245	1
417N3173-3		1	15	1
417N3173-4		1	50	1
417N3810-10SP		1	1	RF
417N3810-16		1	430	1
417N3811-1		1	495	2
417N3811-2		1	510	1

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
417N3811-3		1	445	2
417N3811-4		1	455	1
417N3813-6		1	490	1
417N3816-5		1	460	1
417N3816-6		1	485	1
417N3816-7		1	480	2
417N3830-2SP		1	20	1
417N3831-2		1	30	1
417N3831-4SP		1	35	1
417N4263-2		1	320	1
417T4205-11		1	350	1
417T4205-17		1	345	2
417T4205-22		1	355	1
417T4205-26		1	365	1
417T4205-36		1	360	1
417T4205-6		1	375	1
417T4205-7		1	370	4
417T4205-8		1	385	1
417T4205-9		1	380	1
417T4263-1		1	310	2
6035-06BR150		1	210	2
		1	215	2
6035-06BR219		1	220	2
		1	225	2
6100-9		1	5	2
		1	40	2
69-50420-2		1	340	1
69-50420-4		1	325	16
77-06-106-13		1	105	2
78580-1		1	125	1
803000-02		1	525A	1
96-62		1	120	2
96-82		1	70	4
		1	100	3
		1	290	1

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
		1	405	1
AN960KD3L		1	475	4
AN960KD6L		1	140	1
AN960KD8L		1	65	4
		1	95	3
		1	285	1
		1	400	1
BAC15CE3AD		1	515	4
BACN10JC06		1	120	2
BACN10JC08		1	70	4
		1	100	3
		1	290	1
		1	405	1
BACN10JP08A		1	520	2
BACN10JP08C		1	505	2
BACR15BA3A		1	465	2
BACR15BA3D		1	440	3
BACR15BA4A		1	130	1
BACR15BB3A		1	470	2
BACR15BB4D		1	435	4
BACR15DR3		1	500	4
BACS12ER06K5		1	170	2
		1	170	2
		1	170	2
		1	170	2
		1	170	2
		1	170	2
		1	170	2
		1	170	2
		1	170	2
		1	170	2
		1	170	2
		1	170	2
		1	170	2
BACS12FA08K5		1	60	4
		1	60	4

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
		1	60	4
		1	60	4
		1	60	4
		1	60	4
		1	60	4
		1	60	4
		1	60	4
		1	60	4
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		1	60	4
		1	395	1
		1	395	1
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		1	395	1
		1	425	4
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		1	425	4
		1	425	4
		1	425	4
		1	425	4
		1	425	4
		1	425	4
		1	425	4
BACS12FA08K7		1	90	3

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
		1	90	3
		1	90	3
		1	90	3
		1	90	3
		1	90	3
		1	90	3
		1	90	3
		1	90	3
		1	90	3
		1	90	3
		1	90	3
		1	280	1
		1	280	1
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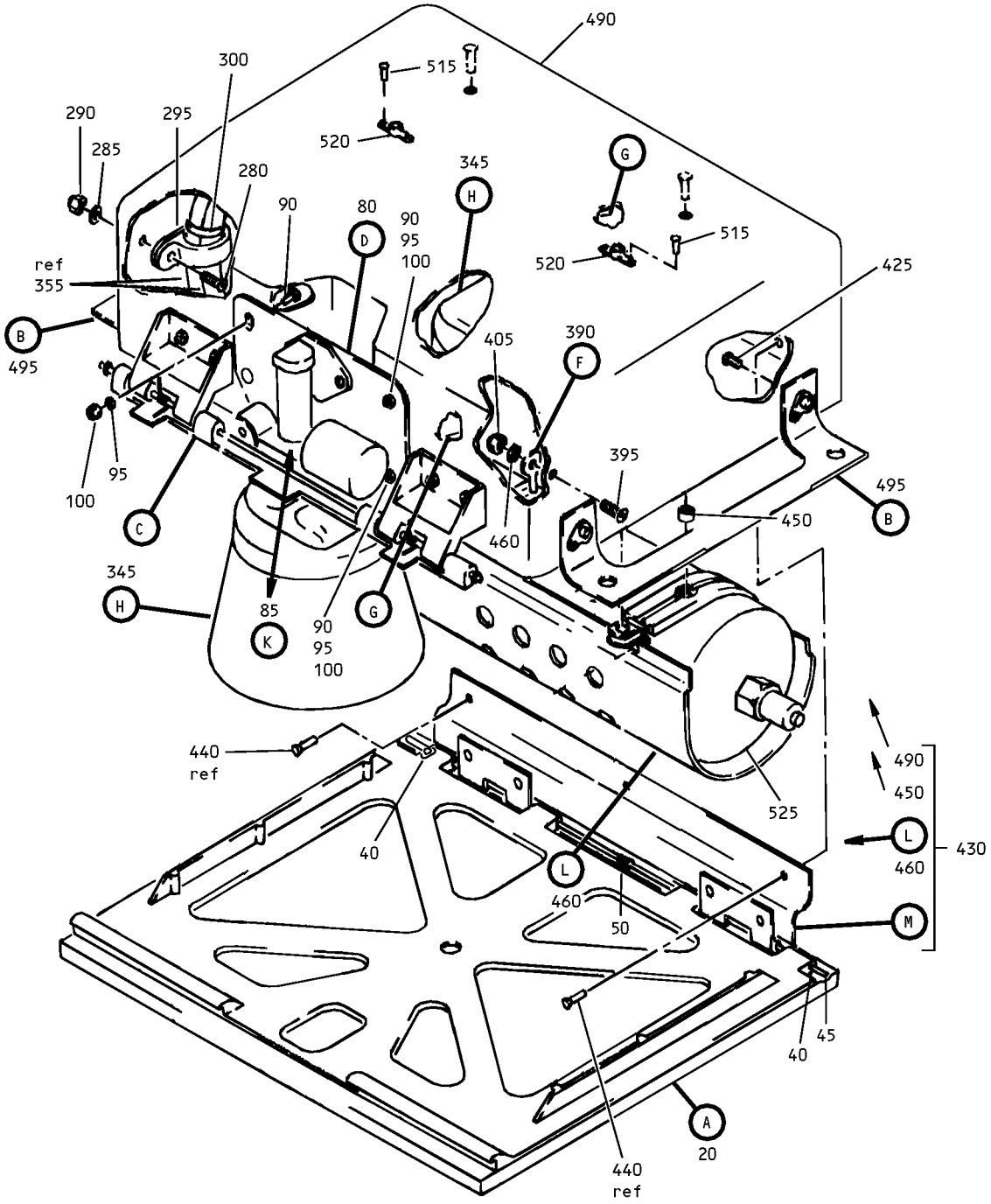
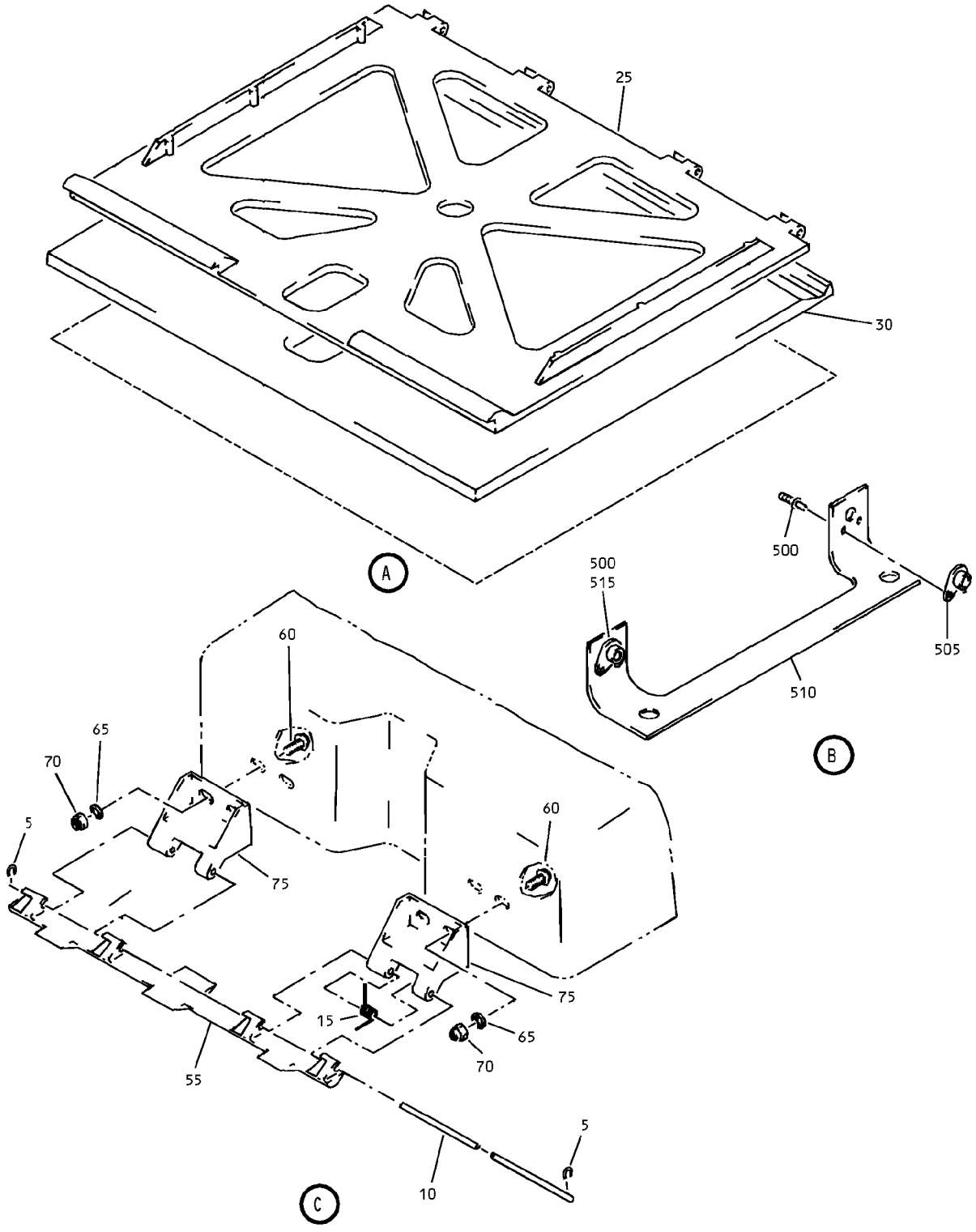
		1	280	1
		1	280	1
		1	280	1
		1	280	1
		1	280	1
		1	280	1
		1	280	1
BACS13S128C		1	305	1
BRH10A06		1	120	2
BRH10A08		1	70	4
		1	100	3
		1	290	1
		1	405	1
BRH10A62		1	120	2
BRM200A08		1	520	2
BRM300A08		1	505	2
GSC128		1	305	1
H10-06BAC		1	120	2
H10-08BAC		1	70	4

PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
		1	100	3
		1	290	1
		1	405	1
MK1000-08BAC		1	520	2
MK3000-08BAC		1	505	2
MS20230GBP10		1	330	1
MS20230WBP10		1	335	1
MS20253P2-780		1	45	1
MS20253P2-825		1	10	1
MS21042L06		1	145	1
MS3367-4-9		1	300	1
MS51844-82		1	315	1
NAS42DD4-38		1	155	1
NAS42DD4-40		1	150	1
NAS42DD6-4		1	450	2
NAS514P440-16		1	195A	2
NAS514P440-16P		1	195	1
NAS514P440-7		1	190A	2
NAS514P440-7P		1	190	2
NAS514P632-14		1	135	1
NAS601-6P		1	110	2
NAS620-6L		1	115	2
NS103197-82		1	520	2
NS103199-82		1	505	2
NS202101-62		1	120	2
NS202101-82		1	70	4
		1	100	3
		1	290	1
		1	405	1
RMA9201M82		1	520	2
RMA9205M82		1	505	2
RMLH9075-62W		1	120	2
RMLH9075-82W		1	70	4
		1	100	3
		1	290	1

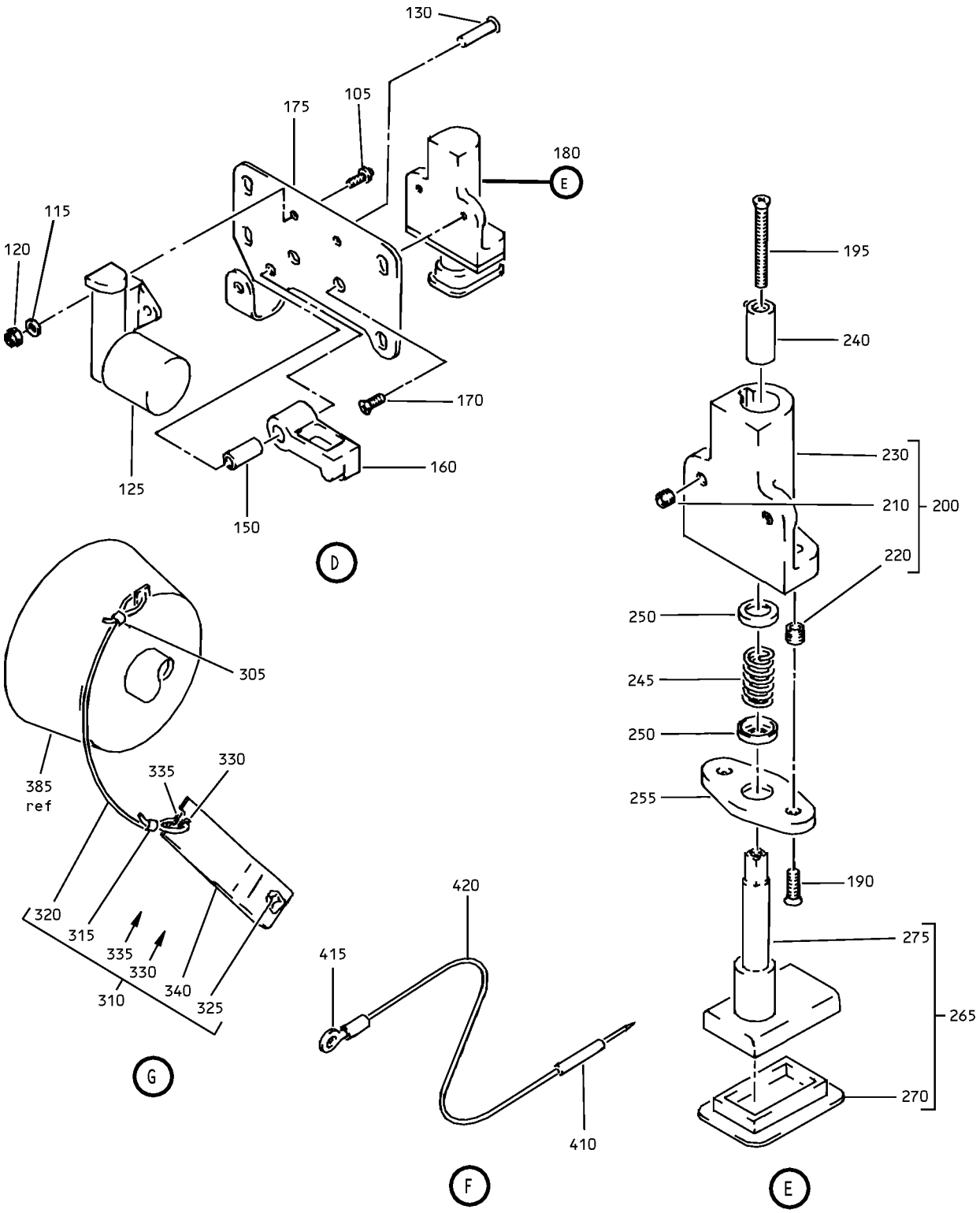
PART NUMBER	AIRLINE PART NUMBER	FIGURE	ITEM	UNITS PER ASSEMBLY
		1	405	1
S417T401-25		1	525	1
S417T401-31		1	525A	1
T6S632J		1	120	2
T6S832J		1	70	4
		1	70	4
		1	100	3
		1	100	3
		1	290	1
		1	290	1
		1	405	1
		1	405	1
T8076S832		1	520	2
T8078S832		1	505	2
VN202A1-82		1	520	2
VN203A1-82		1	505	2
VN303A62		1	120	2
VN303A82		1	70	4
		1	100	3
		1	290	1
		1	405	1



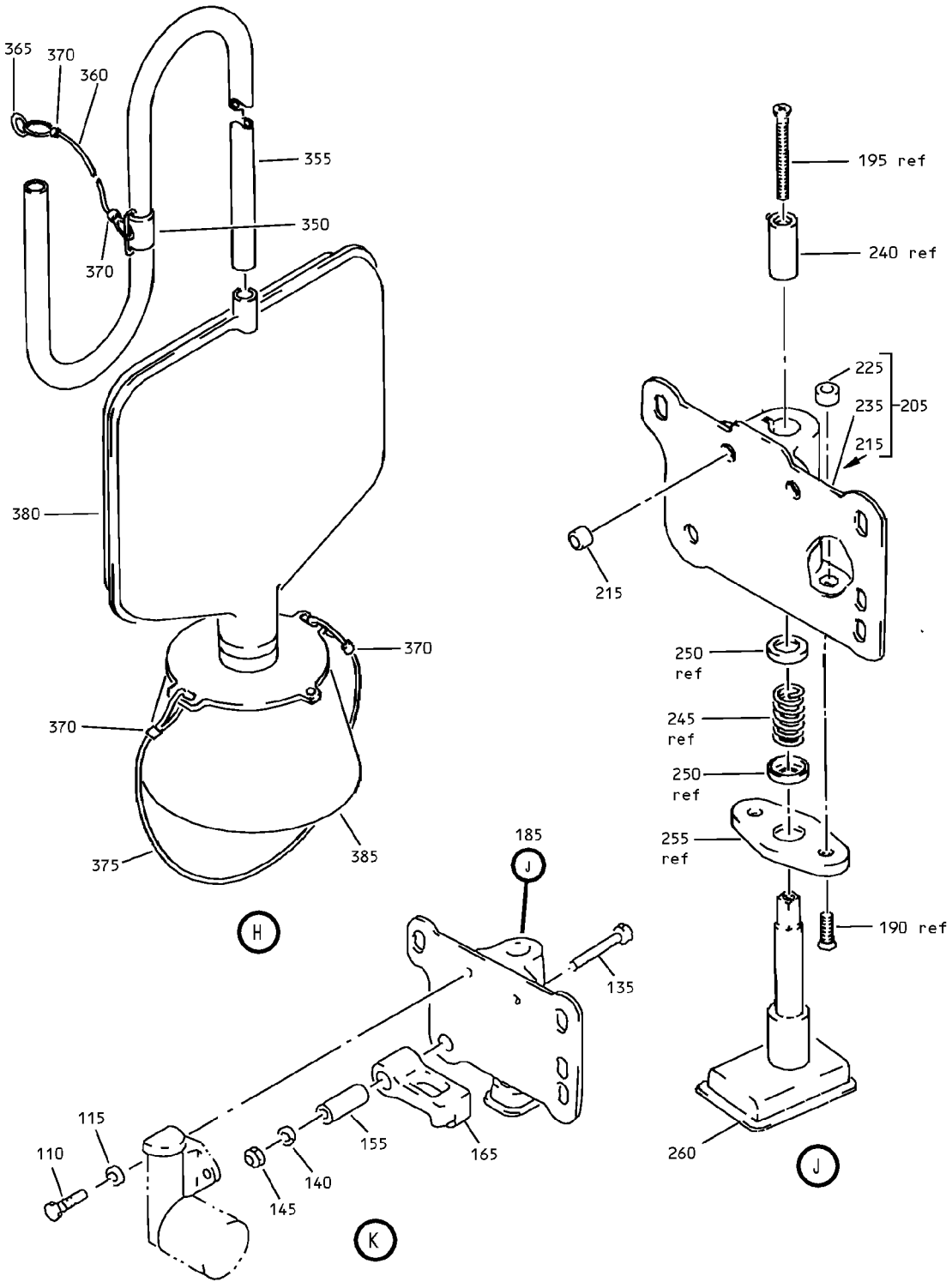
Attendants Service Unit Oxygen Box Assembly
IPL Figure 1 (Sheet 1 of 5)



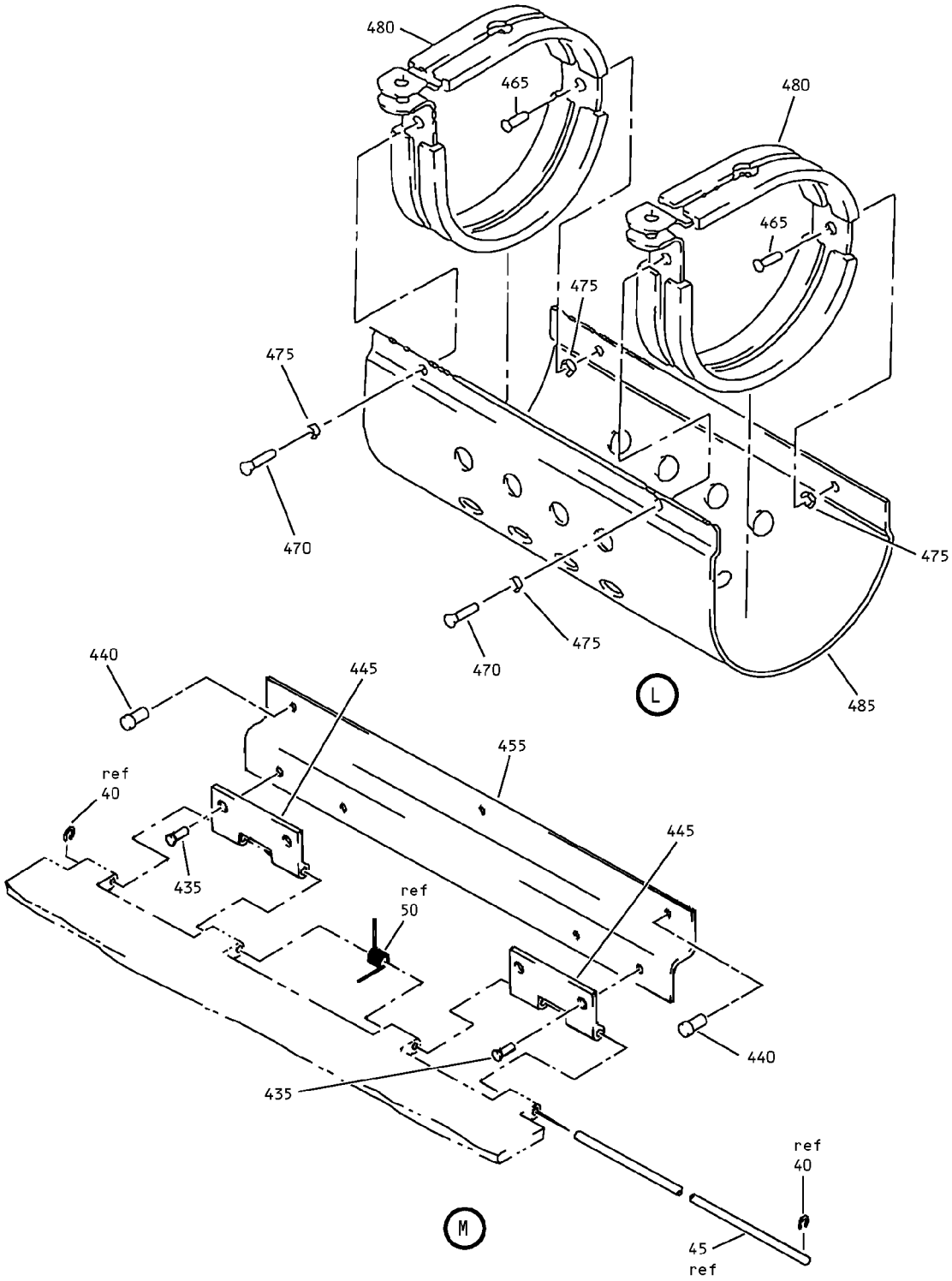
Attendants Service Unit Oxygen Box Assembly
IPL Figure 1 (Sheet 2 of 5)



Attendants Service Unit Oxygen Box Assembly
IPL Figure 1 (Sheet 3 of 5)



Attendants Service Unit Oxygen Box Assembly
IPL Figure 1 (Sheet 4 of 5)



Attendants Service Unit Oxygen Box Assembly
IPL Figure 1 (Sheet 5 of 5)

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
–1	417N3810-10SP		BOX ASSY-ATTENDANTS SVCE UNIT OXY		RF
5	6100-9		. RETAINER (V2X013)		2
10	MS20253P2-825		. PIN-HINGE		1
15	417N3173-3		. SPRING		1
20	417N3830-2SP		. DOOR ASSY		1
25	417N3141-4		. . FRAME		1
30	417N3831-2		. . PANEL ASSY		1
–35	417N3831-4SP		. . . COVER-DECORATIVE		1
40	6100-9		. RETAINER (V2X013)		2
45	MS20253P2-780		. PIN-HINGE		1
50	417N3173-4		. SPRING		1
55	417N3133-2		. LATCH		1
60	BACS12FA08K5		. SCREW (V06710) (SPEC BACS12FA08K5) (OPT BACS12FA08K5 (V06725)) (OPT BACS12FA08K5 (V06950)) (OPT BACS12FA08K5 (V27624)) (OPT BACS12FA08K5 (V34252)) (OPT BACS12FA08K5 (V56878)) (OPT BACS12FA08K5 (V73197)) (OPT BACS12FA08K5 (V80539)) (OPT BACS12FA08K5 (V92215)) (OPT BACS12FA08K5 (V93907)) (OPT BACS12FA08K5 (V97928)) (LIMITED USAGE)		4
65	AN960KD8L		. WASHER		4

–Item not Illustrated

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
70	H10-08BAC		. NUT (V15653) (SPEC BACN10JC08) (OPT NS202101-82 (V80539)) (OPT RMLH9075-82W (V72962)) (OPT T6S832J (V71087)) (OPT VN303A82 (V92215)) (OPT 96-82 (V80539)) (OPT BRH10A08 (V52828)) (OPT T6S832J (V11815))		4
75	417N3133-3		. LATCH		2
80	417N3152-2SP		. STOP ASSY-TEST (LIMITED USAGE)		1
85	417N3152-9SP		. STOP ASSY-TEST (LIMITED USAGE)		1
			ATTACHING PARTS		
90	BACS12FA08K7		. SCREW (V06710) (SPEC BACS12FA08K7) (OPT BACS12FA08K7 (V06725)) (OPT BACS12FA08K7 (V06950)) (OPT BACS12FA08K7 (V27624)) (OPT BACS12FA08K7 (V34252)) (OPT BACS12FA08K7 (V56878)) (OPT BACS12FA08K7 (V73197)) (OPT BACS12FA08K7 (V80539)) (OPT BACS12FA08K7 (V92215)) (OPT BACS12FA08K7 (V93907)) (OPT BACS12FA08K7 (V97928)) (LIMITED USAGE)		3
95	AN960KD8L		. WASHER (LIMITED USAGE)		3

–Item not Illustrated

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
100	H10-08BAC		. NUT (V15653) (SPEC BACN10JC08) (OPT NS202101-82 (V80539)) (OPT RMLH9075-82W (V72962)) (OPT T6S832J (V71087)) (OPT VN303A82 (V92215)) (OPT 96-82 (V80539)) (OPT BRH10A08 (V52828)) (OPT T6S832J (V11815)) (LIMITED USAGE) - - - - - - - - * - - - - - - - -		3
105	77-06-106-13		. . STUD (V94222) (USED ON ITEM 80)		2
110	NAS601-6P		. . SCREW (USED ON ITEM 85)		2
115	NAS620-6L		. . WASHER		2
120	H10-06BAC		. . NUT (V15653) (SPEC BACN10JC06) (OPT RMLH9075-62W (V72962)) (OPT T6S632J (V11815)) (OPT VN303A62 (V92215)) (OPT 96-62 (V80539)) (OPT BRH10A06 (V52828)) (OPT BRH10A62 (V52828)) (OPT NS202101-62 (V80539)) (USED ON ITEM 80)		2
125	78580-1		. . ACTUATOR (V09790)		1
130	BACR15BA4A		. . RIVET (SIZE DETERMINED ON INST) (FOR NHA SEE 417N3152) (USED ON ITEM 80)		1
135	NAS514P632-14		. . SCREW (USED ON ITEM 85)		1
140	AN960KD6L		. . WASHER (USED ON ITEM 85)		1
145	MS21042L06		. . NUT (USED ON ITEM 85)		1

–Item not Illustrated

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
150	NAS42DD4-40		. . SPACER (USED ON ITEM 80)		1
155	NAS42DD4-38		. . SPACER (USED ON ITEM 85)		1
160	417N3135-2		. . LEVER-ACTR RESET (USED ON ITEM 80)		1
165	417N3135-4		. . LEVER-ACTR RESET (USED ON ITEM 85)		1
170	BACS12ER06K5		. . SCREW (V06710) (SPEC BACS12ER06K5) (OPT BACS12ER06K5 (V06725)) (OPT BACS12ER06K5 (V06950)) (OPT BACS12ER06K5 (V27624)) (OPT BACS12ER06K5 (V34252)) (OPT BACS12ER06K5 (V56878)) (OPT BACS12ER06K5 (V73197)) (OPT BACS12ER06K5 (V80539)) (OPT BACS12ER06K5 (V92215)) (OPT BACS12ER06K5 (V93907)) (OPT BACS12ER06K5 (V97928)) (USED ON ITEM 80)		2
175	417N3136-2		. . PLATE (USED ON ITEM 80)		1
180	417N3150-1SP		. . STOP ASSY-TEST (USED ON ITEM 80)		1
185	417N3150-4SP		. . STOP ASSY-TEST (USED ON ITEM 85)		1
190	NAS514P440-7P		. . . SCREW (OPT ITEM 190A)		2
–190A	NAS514P440-7		. . . SCREW (OPT ITEM 190)		2
195	NAS514P440-16P		. . . SCREW (OPT ITEM 195A)		1
–195A	NAS514P440-16		. . . SCREW (OPT ITEM 195)		2
200	417N3151-1		. . . HOUSING ASSY (USED ON ITEM 180)		1
205	417N3151-12		. . . HOUSING ASSY (USED ON ITEM 185)		1

–Item not Illustrated

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
210	6035-06BR150		. . . . INSERT (V01556) (USED ON ITEM 200)		2
215	6035-06BR150		. . . . INSERT (V01556) (USED ON ITEM 205)		2
220	6035-06BR219		. . . . INSERT (V01556) (USED ON ITEM 200)		2
225	6035-06BR219		. . . . INSERT (V01556) (USED ON ITEM 205)		2
230	417N3151-2		. . . . HOUSING (USED ON ITEM 200)		1
235	417N3151-13		. . . . HOUSING (USED ON ITEM 205)		1
240	417N3151-5		. . . GUIDE-PLUNGER		1
245	417N3173-2		. . . SPRING		1
250	417N3151-6		. . . WASHER		2
255	417N3151-3		. . . CAP		1
260	417N3151-16SP		. . . PLUNGER (USED ON ITEM 185)		1
265	417N3151-7SP		. . . PLUNGER ASSY (USED ON ITEM 180)		1
270	417N3151-9SP		. . . . CAP		1
275	417N3151-8SP		. . . . PLUNGER		1
280	BACS12FA08K7		. SCREW (V06710) (SPEC BACS12FA08K7) (OPT BACS12FA08K7 (V06725)) (OPT BACS12FA08K7 (V06950)) (OPT BACS12FA08K7 (V27624)) (OPT BACS12FA08K7 (V34252)) (OPT BACS12FA08K7 (V56878)) (OPT BACS12FA08K7 (V73197)) (OPT BACS12FA08K7 (V80539)) (OPT BACS12FA08K7 (V92215)) (OPT BACS12FA08K7 (V93907)) (OPT BACS12FA08K7 (V97928)) (LIMITED USAGE)		1

–Item not Illustrated

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
285	AN960KD8L		. WASHER		1
290	H10-08BAC		. NUT (V15653) (SPEC BACN10JC08) (OPT NS202101-82 (V80539)) (OPT RMLH9075-82W (V72962)) (OPT T6S832J (V71087)) (OPT VN303A82 (V92215)) (OPT 96-82 (V80539)) (OPT BRH10A08 (V52828)) (OPT T6S832J (V11815))		1
295	287T0011-1		. CLAMP		1
300	MS3367-4-9		. STRAP		1
305	GSC128		. SLEEVE (V59730) (SPEC BACS13S128C)		1
310	417T4263-1		. STREAMER ASSY		2
315	MS51844-82		. . SLEEVE		1
320	417N4263-2		. . CORD		1
325	69-50420-4		. . WEIGHT-SHOT		16
330	MS20230GBP10		. . GROMMET		1
335	MS20230WBP10		. . WASHER		1
340	69-50420-2		. . STREAMER		1
345	417T4205-17		. MASK ASSY-PASS.		2
350	417T4205-11		. . RETAINER-LOOP		1
355	417T4205-22		. . TUBING		1
360	417T4205-36		. . LANYARD		1
365	417T4205-26		. . RING		1
370	417T4205-7		. . CLAMP-HEAD STRAP		4
375	417T4205-6		. . STRAP-HEAD		1
380	417T4205-9		. . BAG		1
385	417T4205-8		. . MASK		1
390	417N3137-2		. CABLE ASSY		1

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–			ATTACHING PARTS		
395	BACS12FA08K5		. SCREW (V06710) (SPEC BACS12FA08K5) (OPT BACS12FA08K5 (V06725)) (OPT BACS12FA08K5 (V06950)) (OPT BACS12FA08K5 (V27624)) (OPT BACS12FA08K5 (V34252)) (OPT BACS12FA08K5 (V56878)) (OPT BACS12FA08K5 (V73197)) (OPT BACS12FA08K5 (V80539)) (OPT BACS12FA08K5 (V92215)) (OPT BACS12FA08K5 (V93907)) (OPT BACS12FA08K5 (V97928)) (LIMITED USAGE)		1
400	AN960KD8L		. WASHER		1
405	H10-08BAC		. NUT (V15653) (SPEC BACN10JC08) (OPT NS202101-82 (V80539)) (OPT RMLH9075-82W (V72962)) (OPT T6S832J (V71087)) (OPT VN303A82 (V92215)) (OPT 96-82 (V80539)) (OPT BRH10A08 (V52828)) (OPT T6S832J (V11815)) - - - - - - - * - - - - - - -		1
410	417N3137-6		. . PIN-ACTIVATION		1
415	417N3137-7		. . EYE		1
420	417N3137-5		. . CABLE		1

–Item not Illustrated

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
425	BACS12FA08K5		. SCREW (V06710) (SPEC BACS12FA08K5) (OPT BACS12FA08K5 (V06725)) (OPT BACS12FA08K5 (V06950)) (OPT BACS12FA08K5 (V27624)) (OPT BACS12FA08K5 (V34252)) (OPT BACS12FA08K5 (V56878)) (OPT BACS12FA08K5 (V73197)) (OPT BACS12FA08K5 (V80539)) (OPT BACS12FA08K5 (V92215)) (OPT BACS12FA08K5 (V93907)) (OPT BACS12FA08K5 (V97928)) (LIMITED USAGE)		4
430	417N3810-16		. BOX ASSY		1
435	BACR15BB4D		. . RIVET (SIZE DETERMINED ON INST) (FOR NHA SEE 417N3810)		4
440	BACR15BA3D		. . RIVET (SIZE DETERMINED ON INST) (FOR NHA SEE 417N3810)		3
445	417N3811-3		. . HINGE		2
450	NAS42DD6-4		. . SPACER		2
455	417N3811-4		. . BRACKET-MTG		1
460	417N3816-5		. . SHIELD ASSY-HEAT		1
465	BACR15BA3A		. . . RIVET (SIZE DETERMINED ON INST) (FOR NHA SEE 417N3816)		2
470	BACR15BB3A		. . . RIVET (SIZE DETERMINED ON INST) (FOR NHA SEE 417N3816)		2
475	AN960KD3L		. . . WASHER		4
480	417N3816-7		. . . CLAMP		2
485	417N3816-6		. . . SHIELD		1
490	417N3813-6		. . BOX		1
495	417N3811-1		. SUPPORT ASSY		2
500	BACR15DR3		. . RIVET (SIZE DETERMINED ON INST) (FOR NHA SEE 417N3811)		4

–Item not Illustrated

FIG/ ITEM	PART NUMBER	AIRLINE PART NUMBER	NOMENCLATURE 1 2 3 4 5 6 7	USAGE CODE	UNITS PER ASSY
1–					
505	BRM300A08		. . NUTPLATE (V52828) (SPEC BACN10JP08C) (OPT MK3000-08BAC (V15653)) (OPT NS103199-82 (V80539)) (OPT RMA9205M82 (V72962)) (OPT T8078S832 (V11815)) (OPT VN203A1-82 (V92215))		2
510	417N3811-2		. . SUPPORT-ANGLE		1
515	BAC15CE3AD		. RIVET (SIZE DETERMINED ON INST) (FOR NHA SEE 417N3810)		4
520	BRM200A08		. NUTPLATE (V52828) (SPEC BACN10JP08A) (OPT MK1000-08BAC (V15653)) (OPT NS103197-82 (V80539)) (OPT RMA9201M82 (V72962)) (OPT T8076S832 (V11815)) (OPT VN202A1-82 (V92215))		2
525	117003-12		. GENERATOR (V16827) (SPEC S417T401-25) (OPT ITEM 525A)		1
–525A	803000-02		. GENERATOR (V16827) (SPEC S417T401-31) (OPT ITEM 525)		1

–Item not Illustrated