*TM 5-4210-249-13&P-4

TECHNICAL MANUAL

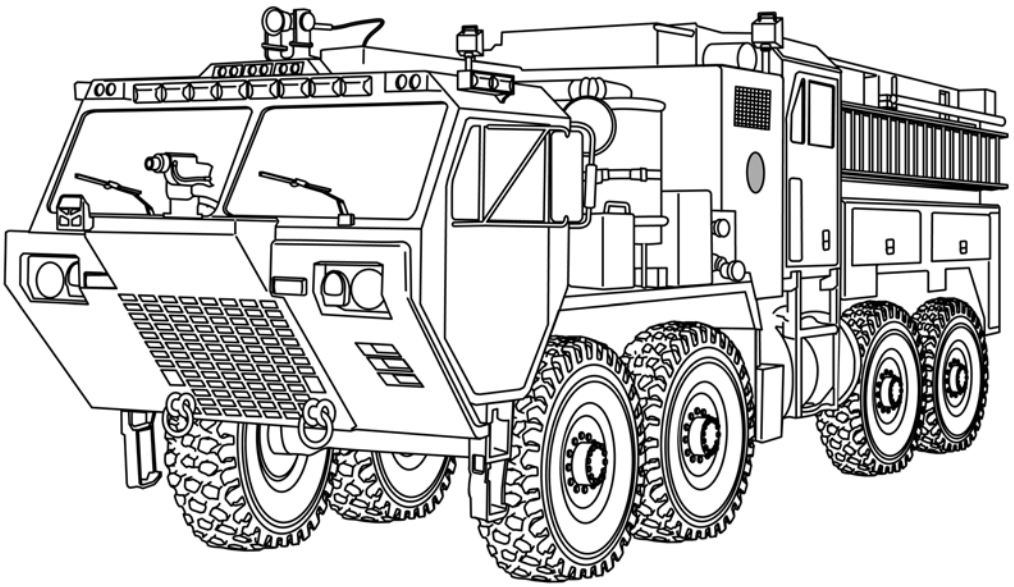
OPERATOR'S AND FIELD LEVEL
MAINTENANCE MANUAL
WITH REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT REPAIR PARTS AND SPECIAL TOOLS)

FOR

TACTICAL FIRE FIGHTING TRUCK (TFFT)

MODEL M1142

NSN 4210-01-486-1035



* **SUPERSEDURE NOTICE:** This manual supersedes TM 9-2320-279-10-3 dated 15 March 2004 and TM 9-2320-315-14&P dated 15 October 2004.

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

20 FEBRUARY 2009

WARNING SUMMARY

This list summarizes critical warnings in this technical manual. They are repeated here to let you know how important they are. Study these warnings carefully. They can save your life and the lives of personnel you work with. If there is any doubt about handling tools, materials, equipment, and procedures, see TB 43-0216, Safety and Hazard Warnings for Operation and Maintenance of TACOM Equipment.

FOR INFORMATION ON FIRST AID, REFER TO FM 4-25.11.

OPERATION HAZARDS

WARNING



- **CARBON MONOXIDE (EXHAUST GAS) CAN CAUSE DEATH**
- **Carbon monoxide is without color or smell, but can cause death. Breathing air with carbon monoxide produces symptoms of headache, dizziness, loss of muscular control, a sleepy feeling, and coma. Brain damage or death can result from heavy exposure. Carbon monoxide occurs in the exhaust fumes of fuel-burning heaters and internal combustion engines. Carbon monoxide can become dangerously concentrated under conditions of no ventilation. Precautions must be followed to ensure crew safety when the personnel heater or engine of any vehicle is operated for any purpose.**
- **DO NOT operate personnel heater or engine of vehicle in a closed place without proper ventilation.**
- **DO NOT drive any vehicle with inspection plates, cover plates, or engine compartment covers removed unless necessary for maintenance purposes.**
- **BE ALERT at all times during vehicle operation for exhaust odors and exposure symptoms. If either are present, IMMEDIATELY VENTILATE personnel compartments. If symptoms persist, remove affected crew to fresh air and keep warm. DO NOT PERMIT PHYSICAL EXERCISE. If necessary, give artificial respiration and get immediate medical attention. For artificial respiration, refer to FM 4-25.11.**
- **BE AWARE that the gas particulate filter unit or field protection mask for nuclear-biological-chemical protection WILL NOT offer safety from carbon monoxide poisoning.**
- **THE BEST DEFENSE AGAINST CARBON MONOXIDE POISONING IS GOOD VENTILATION.**

WARNING



Personnel hearing can be PERMANENTLY DAMAGED if exposed to constant high noise levels of 85 dB or greater. Wear approved hearing protection devices when working in high noise level areas. Hearing loss occurs gradually, but becomes permanent over time.

MODIFICATION HAZARD

WARNING



Unauthorized modifications to, alterations to, or installations of this equipment are prohibited and are in violation of AR 750-10. Any unauthorized modifications, alterations, or installations could result in injury or death to personnel or damage to equipment.

HIGH-PRESSURE HYDRAULIC SYSTEM

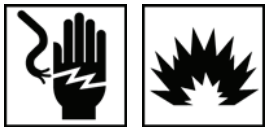
WARNING



- **Hydraulic systems can cause serious injury if high-pressure lines or equipment fails.**
- **Never work on hydraulic systems or equipment unless there is another person nearby who is familiar with the operation and hazards of the equipment and can give first aid.**
- **Never disconnect any hydraulic hose or part while the engine is running. Allow several minutes to elapse after shutting off engine, to allow pressure to relieve itself, before attempting to remove hoses. Failure to comply may result in injury to personnel.**

ELECTRICAL SYSTEM

WARNING



- **Remove all jewelry, such as rings, dog tags, bracelets, etc. If jewelry or tools contact electrical circuits, a direct short may result. Damage to equipment or death to personnel may occur.**
- **Do not smoke, use open flame, make sparks or other ignition sources around batteries. A battery giving off gas could explode and cause injury to personnel.**

SOLVENT CLEANING COMPOUND

WARNING



Solvent cleaning compound MIL-PRF-680 Type II and III may be irritating to the eyes and skin. Use protective gloves and goggles. Use in well-ventilated areas. Use respirator as needed. Accidental ingestion can cause irritation of digestive tract and respiratory tract, may cause lung and central nervous system damage. Can be fatal if swallowed. Inhalation of high/massive concentrations can cause coma or be fatal. First aid for ingestion: do not induce vomiting. Seek immediate medical attention. First aid for skin contact: remove contaminated clothing. Wash skin thoroughly with soap and water. If symptoms persist, seek medical attention. First aid for eye contact: flush with water for 15 minutes or until irritation subsides. If symptoms persist, seek medical attention. First aid for inhalation: move to fresh air. If not breathing, provide artificial respiration. If symptoms persist, seek medical attention. Keep away from open flames and other sources of ignition. Failure to follow this warning may result in injury or death to personnel.

- **The flashpoint for Type II solvent cleaning compound is 141 to 198ºF (61 to 92ºC) and Type III is 200 to 241ºF (93 to 116ºC).**
- **Improper cleaning methods and use of unauthorized cleaning solvents may injure personnel and damage equipment.**
- **Fire extinguishers should be placed nearby when using solvent cleaning compound. Failure to follow this warning may result in injury or death.**
- **Cloths or rags saturated with solvent cleaning compound must be disposed of IAW authorized facilities' procedures. Failure to follow this warning may result in injury.**
- **Eye shields must be worn when cleaning with a wire brush. Flying rust and metal particle may cause injury.**

ADHESIVE

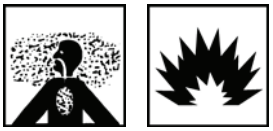
WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

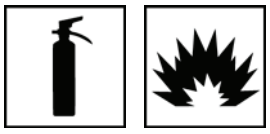
FLAMMABLE LIQUID AND COMBUSTIBLE VAPOR

WARNING



Gasoline, fuel oil, lubricating oil, grease, paint, paint thinner, cleaning solvents, and other combustible liquids present a serious fire hazard. Always store combustible liquids in approved containers and in their designated compartments or deck storage locations. Ensure exhaust and ventilation fans are operating while using cleaning solvents or paint products. Never store or charge batteries in a confined space without ventilation or near electrical equipment.

WARNING



Fuel is very flammable and can explode easily. To avoid serious injury or death, keep fuel away from open fire and keep fire extinguisher within easy reach when working with fuel. Do not work on fuel system when engine is hot. Fuel can be ignited by hot engine. While working with fuel, post signs that read NO SMOKING WITHIN 5O FEET OF VEHICLE.

PARTS UNDER PRESSURE

WARNING



Wear safety goggles and use caution when removing or installing springs, snap rings, retaining rings, and other parts under spring tension. These parts can act as projectiles, resulting in serious injury to personnel.

LIST OF EFFECTIVE PAGES/WORK PACKAGES

NOTE: This manual supersedes TM 9-2320-279-10-3 dated 15 March 2004 and TM 9-2320-315-14&P dated 15 October 2004. Zero in the “Change No.” column indicates an original page or work package.

Date of issue for the original manual is:

Original 20 FEBRUARY 2009

TOTAL NUMBER OF VOLUMES IS 4, TOTAL NUMBER OF PAGES FOR FRONT AND REAR MATTER IS 290 AND TOTAL NUMBER OF WORK PACKAGES IS 625, CONSISTING OF THE FOLLOWING:

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vii/(viii blank)	0
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WP 0565 (4 pgs)	0
WP 0566 (4 pgs)	0
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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 20 FEBRUARY 2009

TECHNICAL MANUAL

OPERATOR'S AND FIELD LEVEL MAINTENANCE MANUAL WITH REPAIR PARTS AND SPECIAL TOOLS LIST (INCLUDING DEPOT REPAIR PARTS AND SPECIAL TOOLS)

FOR

TACTICAL FIRE FIGHTING TRUCK (TFFT)

MODEL M1142

NSN 4210-01-486-1035

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS
You can help improve this publication. If you find any errors, or if you would like to recommend any improvements to the procedures in this publication, please let us know. The preferred method is to submit you DA Form 2028 (Recommended Changes to Publications and Blank Forms) through the Internet, on the Army Electronic Product Support (AEPS) website. The Internet address is https://aeps.ria.army.mil. The DA Form 2028 is located under the Public Applications section in the AEPS Public Home Page. Fill out the form and click on SUBMIT. Using this form on the AEPS will enable us to respond quicker to your comments and better manage the DA Form 2028 program. You may also mail, e-mail, or fax your comments of DA Form 2028 directly to the U.S. Army TACOM Life Cycle Management Command. The postal mail address is U.S. Army TACOM Life Cycle Management Command, ATTN: AMSTA-LC-LMPP / TECH PUBS, 1 Rock Island Arsenal, Rock Island, IL 61299-7630. The e-mail address is tacomlcmc.daform2028@us.army.mil. The fax number is DSN 793-0726 or Commercial (309) 782-0726.

* **SUPERSEDURE NOTICE:** This manual supersedes TM 9-2320-279-10-3 dated 15 March 2004 and TM 9-2320-315-14&P dated 15 October 2004.

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HOW TO USE THIS TECHNICAL MANUAL

This manual is designed to help operate and maintain the Tactical Fire Fighting Truck (TFFT). This technical manual should be used in conjunction with the TM 9-2320-347-10 and TM 9-2320-325-14&P series manuals. Listed below are some of the features included in this manual to help locate and use the needed information:

- Warnings, cautions, subject headings, and other essential information are printed in bold type, making them easier to see.
- In addition to text, there are illustrations showing how to take a component off and put it back on. Cleaning and inspection criteria are also included where necessary.

This manual is subdivided into four volumes containing the following:

Volume 1

- Chapter 1 of this manual supplements the TM 9-2320-347-10 manual and it describes the TFFT specific components. Equipment data is also provided.
- Chapter 2 of this manual supplements the TM 9-2320-347-10 manual and provides TFFT Operating Instructions.
- Chapter 3 of this manual supplements the TM 9-2320-325-14&P manual and provides TFFT Operator and Field Level Troubleshooting Procedures for Refrigeration and Air Conditioning Components, Fire Pump System, Foam Proportioner System, and Water Tank Assembly.

Volume 2

- Chapter 3 (continued) of this manual supplements the TM 9-2320-325-14&P manual and provides TFFT Field Level Troubleshooting Procedures for Instrument Housing Assembly, Siren Assembly, Spotlights, Dome and Engine Light Assembly, Miscellaneous Electrical Components, and Heater, Vehicular Compartment.
- Chapter 4 of this manual supplements the TM 9-2320-325-14&P manual and provides TFFT Preventive Maintenance Checks and Services (PMCS) and Lubrication Instructions.
- Chapter 5 of this manual supplements the TM 9-2320-325-14&P manual and provides Field Level Maintenance Instructions for Adjustments and Alignments on the TFFT, as well as Removal/Installation Instructions for Refrigeration and Air Condition Components, Brake System Maintenance, Fire Pump Assembly, Relief Valve Assembly, Primer Pump Assembly, Drain Valve Assembly, and Foam System Assembly.

Volume 3

- Chapter 5 (continued) of this manual supplements the TM 9-2320-325-14&P manual and provides TFFT Field Level Maintenance Removal/Installation Instructions Water Tank Assembly, Instrument Housing Assembly, Siren Assembly, Warning Light Assembly, Spotlights, Dome and Engine Assembly, Miscellaneous Electrical components, Heater, Vehicular Compartment, Water Pump Engine Cooling Assembly, Piping, Water and Foam, and Special Purpose Body.

Volume 4

- Chapter 5 (continued) of this manual supplements the TM 9-2320-325-14&P manual and provides TFFT Field Level Maintenance Removal/Installation Instructions Mounting Brackets, Fuel Tank, and Air Tank, and Air Reservoir, Fixed Firefighting Equipment, Hydraulic Generator Assembly, and Miscellaneous Winterization Equipment. An Illustrated List of Manufactured Items and Torque Limits are provided at the rear of this chapter.

- Chapter 6 of this manual supplements the TM 9-2320-325-14&P manual and provides Repair Parts and Special Tools List (RPSTL) for the TFFT.
- Chapter 7 of this manual supplements the TM 9-2320-325-14&P manual and provides References, Two-Level Maintenance Allocation Chart (MAC), Components of End Item (COEI) and Basic Issue Items (BII) Lists, Additional Authorization list (AA), and Expendable and Durable Supplies and Material Lists. An Alphabetical Index is provided to help locate items in the text.

The vehicles referenced in the TM 9-2320-347-10 and TM 9-2320-325-14&P manuals are similar, but not identical to the vehicle referenced in the supplemental manual. TFFT vehicle procedures that are common to the M977A2 can be found in the TM 9-2320-347-10 or TM 9-2320-325-14&P manual. Configuration differences can be determined by visually inspecting the vehicle prior to maintenance.

Follow these guidelines when using the manual:

- Read all WARNINGS and CAUTIONS before performing any procedure.
- The operator must read this technical manual along with TM 9-2320-347-10 manual and become familiar with the content of each manual before attempting to operate the vehicle.
- Maintenance personnel must read this technical manual along with TM 9-2320-325-14&P manual and become familiar with the content of each manual before performing any maintenance to the vehicle.

CHAPTER 5

MAINTENANCE INSTRUCTIONS (CONTINUED)

FIELD LEVEL MAINTENANCE

FUEL TANK BRACKETS REPLACEMENT

INITIAL SETUP:

Tools and Special Tools
Crew Cab Lifting Fixture (WP 0622, Item 8)
Drain Pan (WP 0622, Item 9)
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

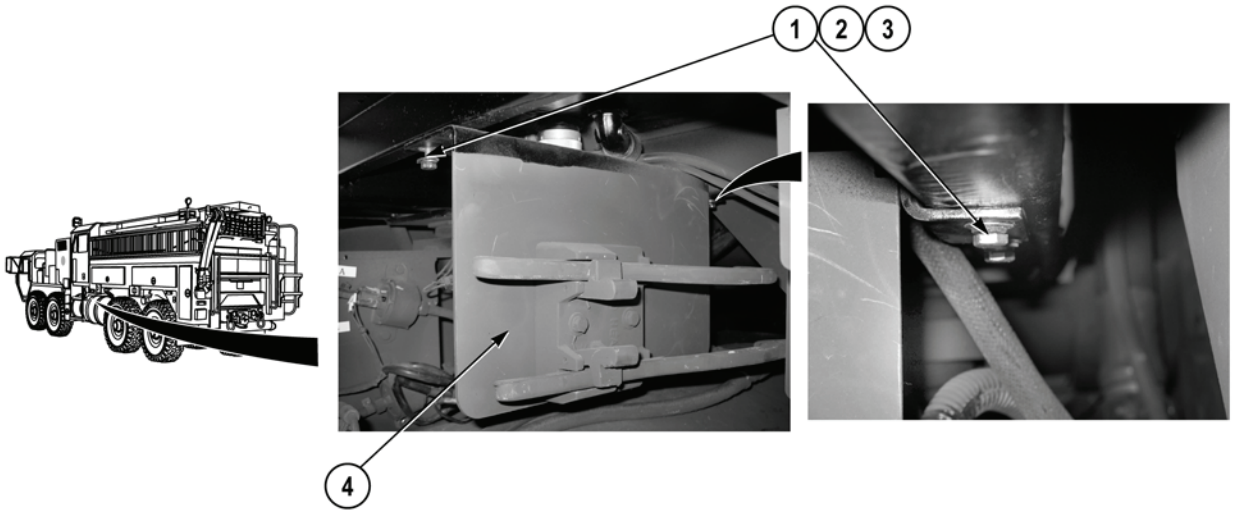
Materials/Parts
Compound, Sealing (WP 0625, Item 17)
Seal, Sentry, Blue (WP 0625, Item 44)
Tags, Identification (WP 0625, Item 51)
Lockwasher (8)
Lockwasher (1)
Locknut (6)
Locknut (2)

Personnel Required
MOS 63B Wheeled vehicle mechanic (3)

References
WP 0615, Fig. 164

Equipment Conditions
Driver side crew cab ladder removed (WP 0514)
Air reservoir No. 2 removed (TM 9-2320-325-14&P)
Fuel tank drained (TM 9-2320-325-14&P)

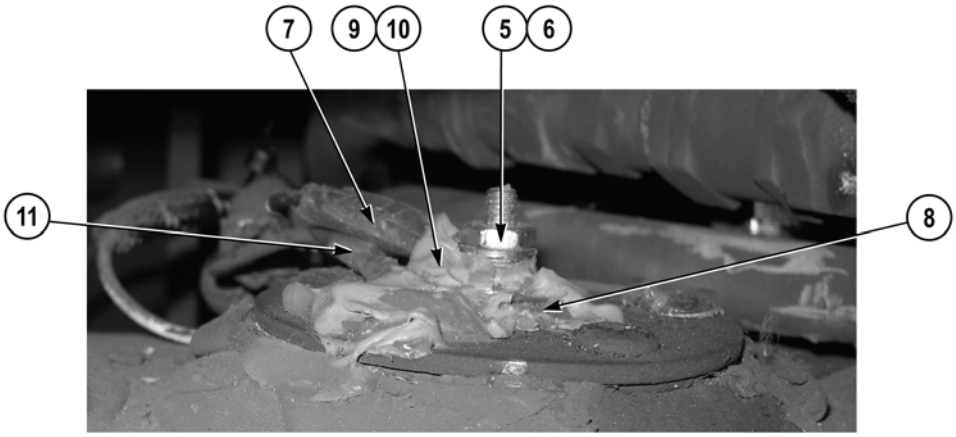
REMOVAL



NOTE

Both spanner wrench brackets are removed the same way. Driver side rear spanner wrench bracket shown.

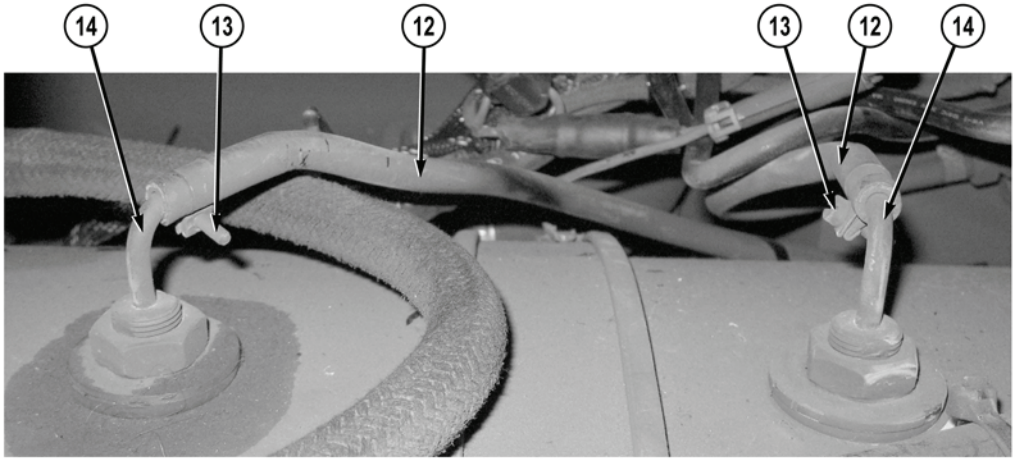
1. Remove four screws (1), lockwashers (2), washers (3), and two spanner wrench brackets (4) from vehicle. Discard lockwashers.



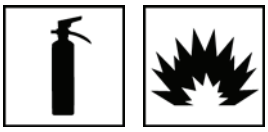
NOTE

Tag and mark wires prior to removal to ensure proper installation.

2. Remove nut (5), lockwasher (6), and wire (7) from fuel level sending unit (8). Discard lockwasher.
3. Remove nut (9), lockwasher (10), and wire (11) from fuel level sending unit (8). Discard lockwasher.



WARNING

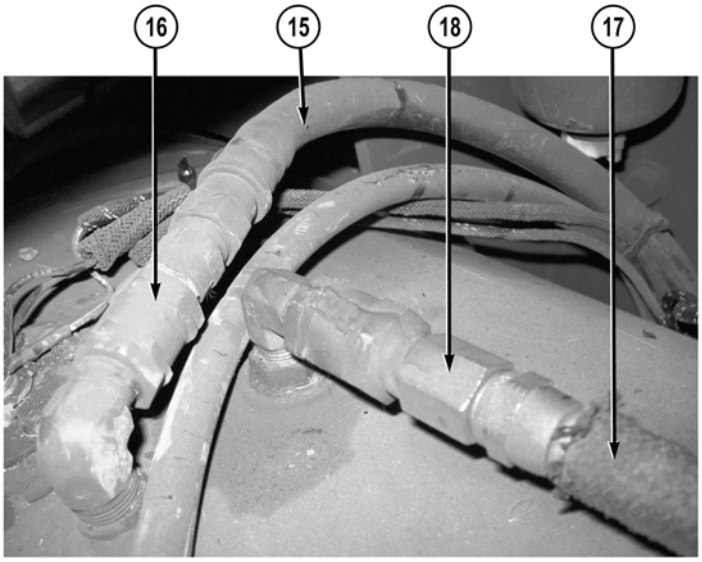


Fuel is very flammable and can explode easily. To avoid serious injury or death, keep fuel away form open fire and keep fire extinguisher within easy reach when working with fuel. Do not work on fuel system when engine is hot. Fuel can be ignited by hot engine. While working with fuel, post signs that read NO SMOKING WITHIN 5O FEET OF VEHICLE.

NOTE

- A small amount of fuel may drain from hoses.
- Tag and mark fuel hoses prior to removal to ensure proper installation.

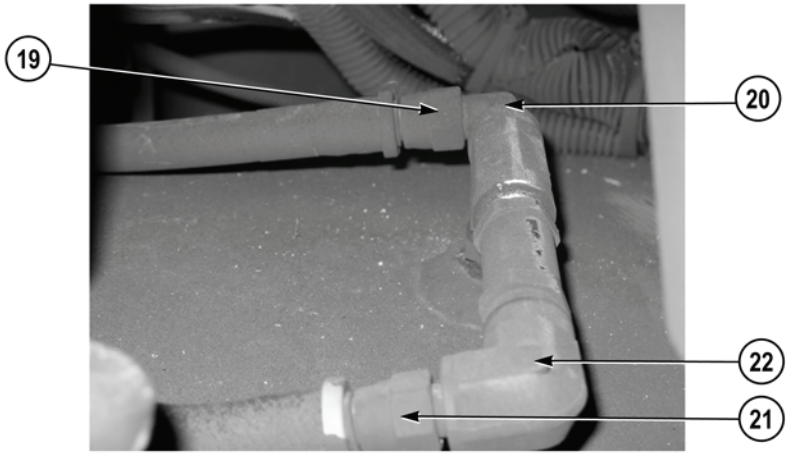
4. Position a suitable drain pan below fuel hoses (12).
5. Loosen two screws (13) and remove fuel hoses (12) from heater tank fuel pickups (14).



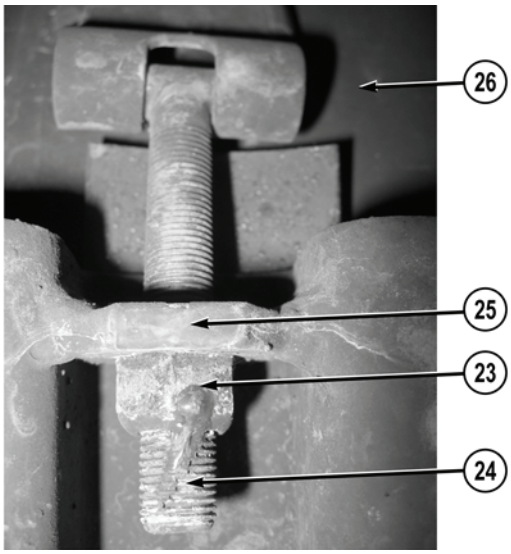
NOTE

Tag and mark fuel supply lines prior to removal to ensure proper installation.

6. Remove engine fuel supply line (15) from fitting (16).
7. Remove water pump engine fuel supply line (17) from fitting (18).



8. Remove engine fuel return line (19) from elbow (20).
9. Remove water pump engine fuel return line (21) from elbow (22).

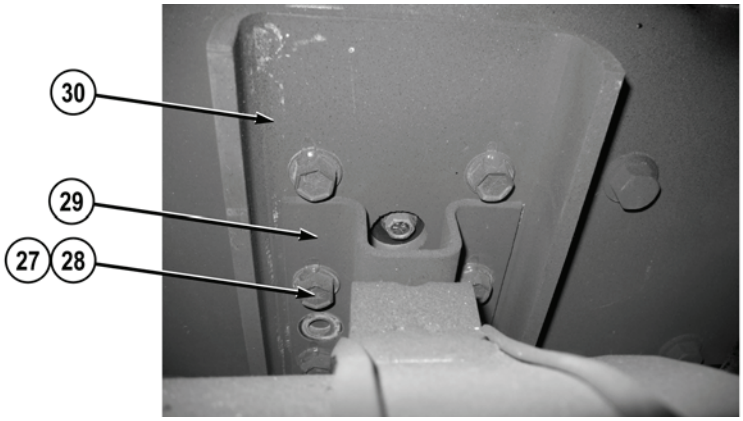


WARNING



Fuel tank is bulky and awkward to handle. An assistant and a suitable lifting device must be used to avoid injury or death to personnel.

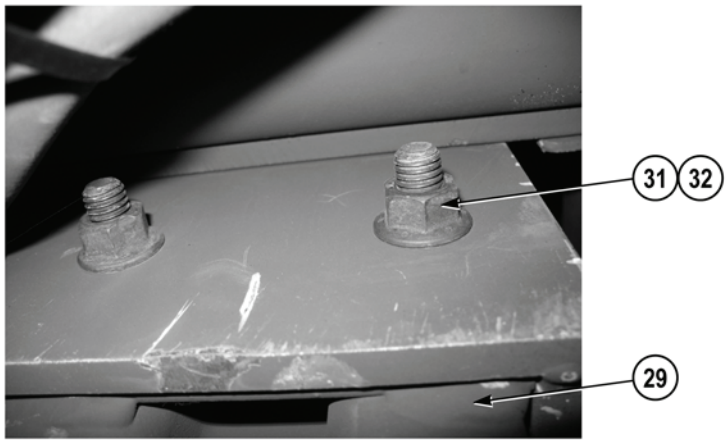
10. With the aid of an assistant and a suitable lifting device, remove three locknuts (23) and T-bolts (24) from fuel tank straps (25) and remove fuel tank (26) from vehicle. Discard locknuts.



NOTE

Three fuel strap mounting brackets are removed the same way. Rear fuel tank strap mounting bracket shown.

11. Remove four locknuts (27) and screws (28) from fuel tank strap mounting bracket (29), fuel tank lowering bracket (30), and vehicle. Discard locknuts.



12. Remove two locknuts (31), screws (32), and fuel tank strap mounting bracket (29) from vehicle. Discard locknuts.

END OF TASK

INSTALLATION

NOTE

Three fuel tank strap mounting brackets are installed the same way. Rear fuel tank strap mounting bracket shown.

1. Install fuel tank mounting bracket (29) on vehicle with two screws (32) and locknuts (31). Tighten locknuts to 80 lb-ft (108 N•m).



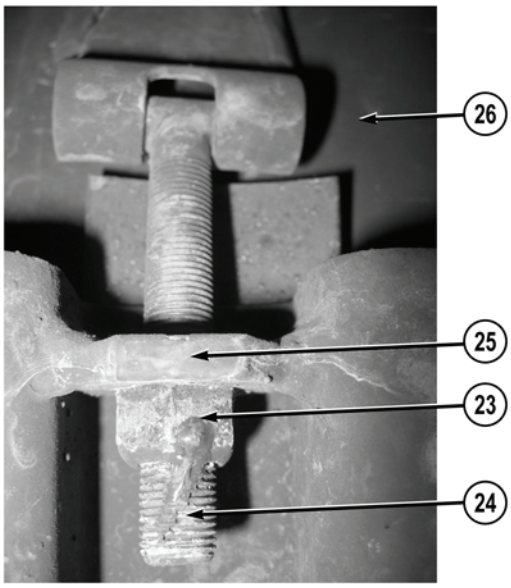
2. Install fuel tank strap mounting bracket (29) and fuel tank lowering bracket (30) on vehicle with four screws (28) and locknuts (27). Tighten locknuts to 80 lb-ft (108 N•m).

WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

3. Apply sealing compound to four locknuts (27) and two locknuts (31) to mark torque point.



CAUTION

Ensure that rubber lining is in place on fuel tank straps. Failure to comply may result in excessive wear on fuel tank.

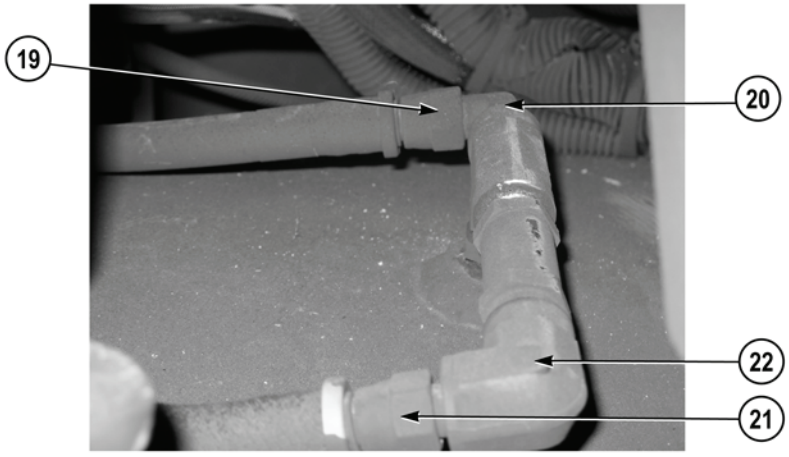
4. With the aid of an assistant and a suitable lifting device, position fuel tank (26) on vehicle and secure fuel tank (26) with three fuel tank straps (25), screws (24), and locknuts (23). Tighten locknuts to 90 lb-ft (122 N•m).

WARNING

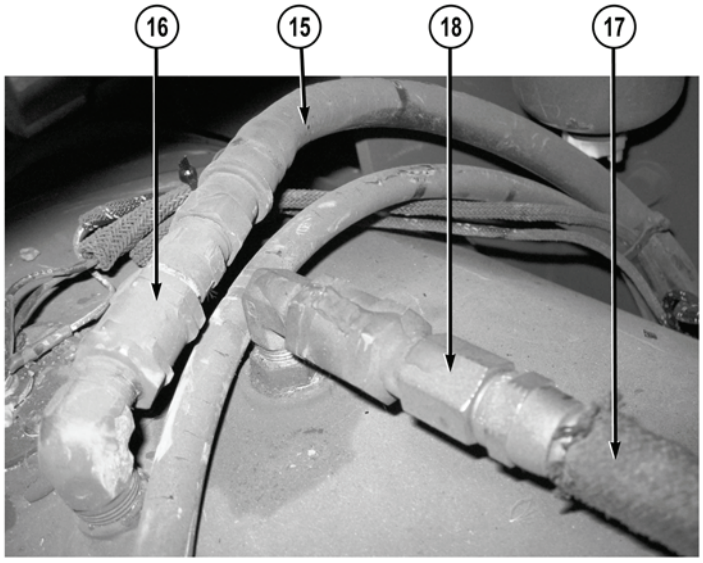


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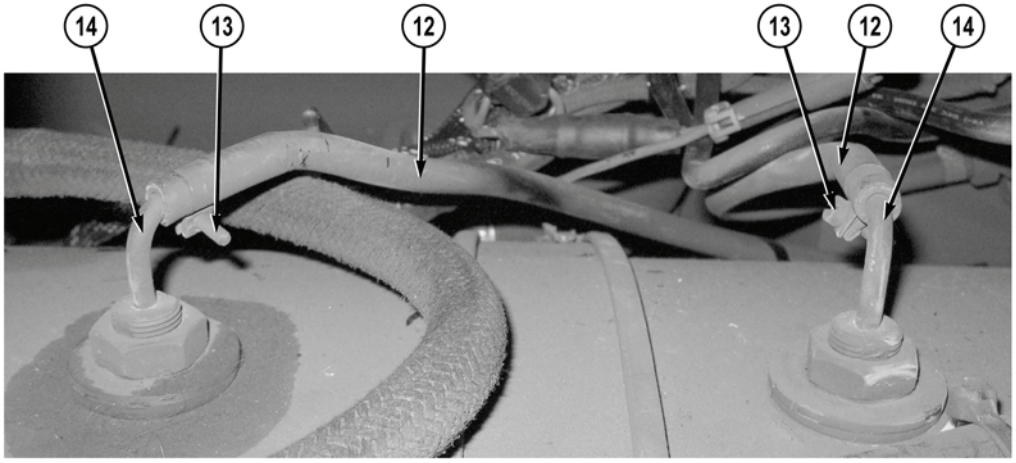
5. Apply sealing compound to three locknuts (23) to mark torque point.



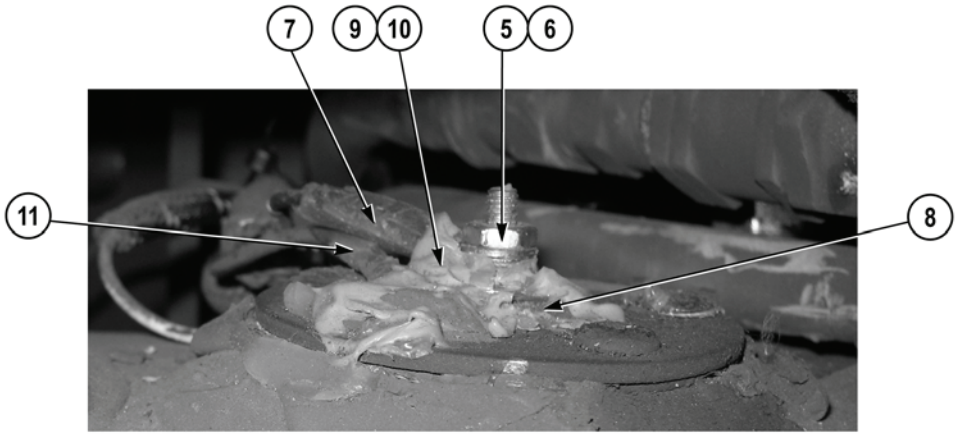
6. Install water pump engine fuel return line (21) on elbow (22).
7. Install engine fuel return line (19) on elbow (20).



8. Install water pump engine fuel supply line (17) on fitting (18).
9. Install engine fuel supply line (15) on fitting (16).



10. Install two fuel hoses (12) on heater tank fuel pickups (14) and tighten two screws (13).



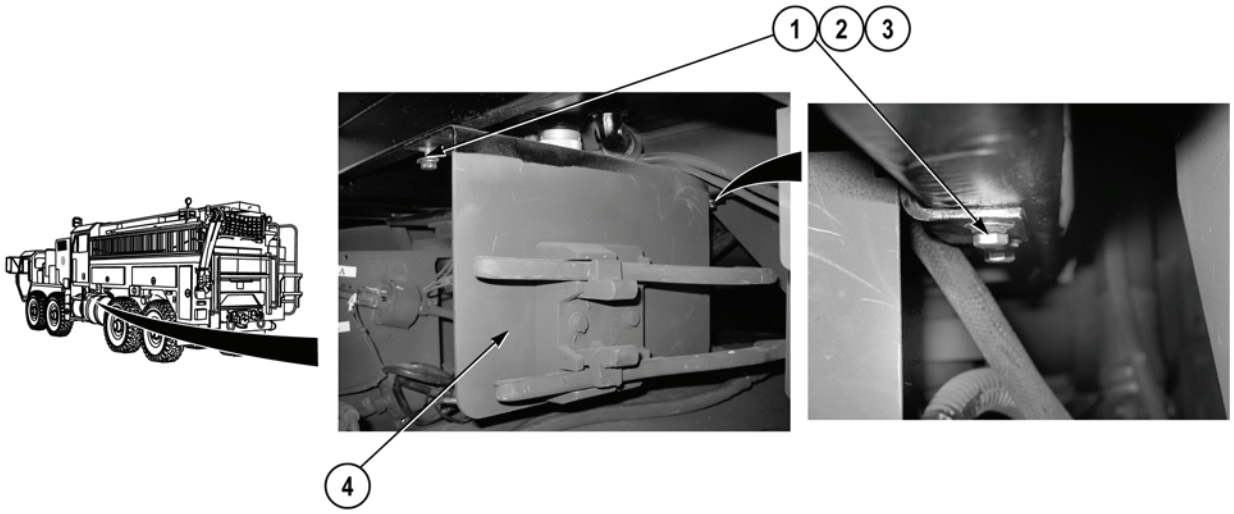
11. Install wire (11) on fuel quantity sending unit (8) with lockwasher (10) and nut (9).
12. Install wire (7) on fuel quantity sending unit (8) with lockwasher (6) and nut (5).

WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

13. Apply sealing compound to electrical connections at nut (9) and nut (5).



14. Install spanner wrench bracket (4) on vehicle with four washers (3), lockwashers (2), and screws (1).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Install air reservoir No. 2 (TM 9-2320-325-14&P)
2. Install driver side crew cab ladder (WP 0514)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

ROOF TURRET MOUNTING PLATE REPLACEMENT

INITIAL SETUP:

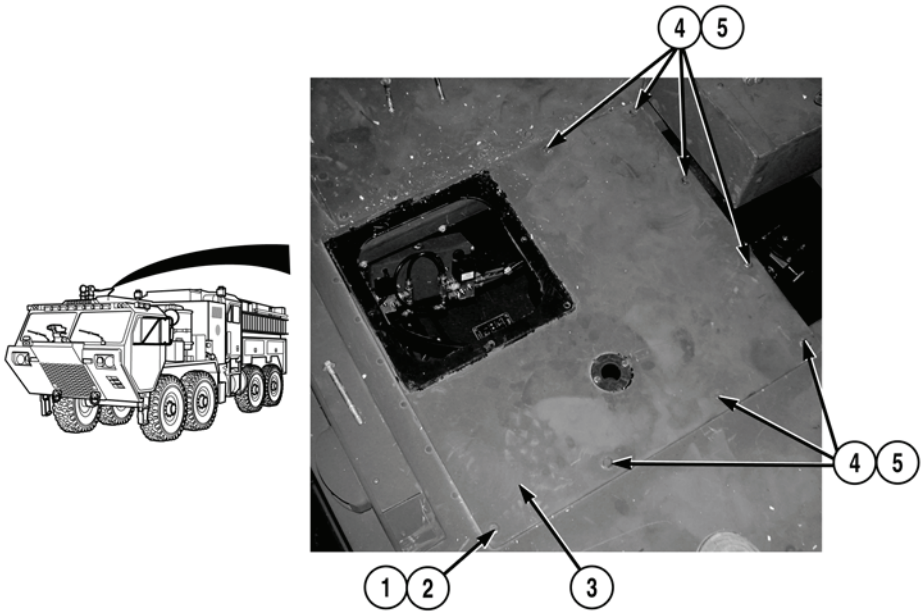
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Adhesive, Sealant, Silicone RTV (WP 0625, Item 5)
Cleaning Compound, Solvent (WP 0625, Item 12)
Locknut (8)

References
WP 0615, Fig. 170

Equipment Conditions
Roof turret automatic drain valve and controls removed (WP 0579)

REMOVAL



1. Remove locknut (1) and screw (2) from roof turret mounting plate (3) and vehicle. Discard locknut.

NOTE

Silicone seal must be broken prior to removing roof turret mounting plate.

2. Remove seven locknuts (4), screws (5), and roof turret mounting plate (3) from vehicle. Discard locknuts.

END OF TASK

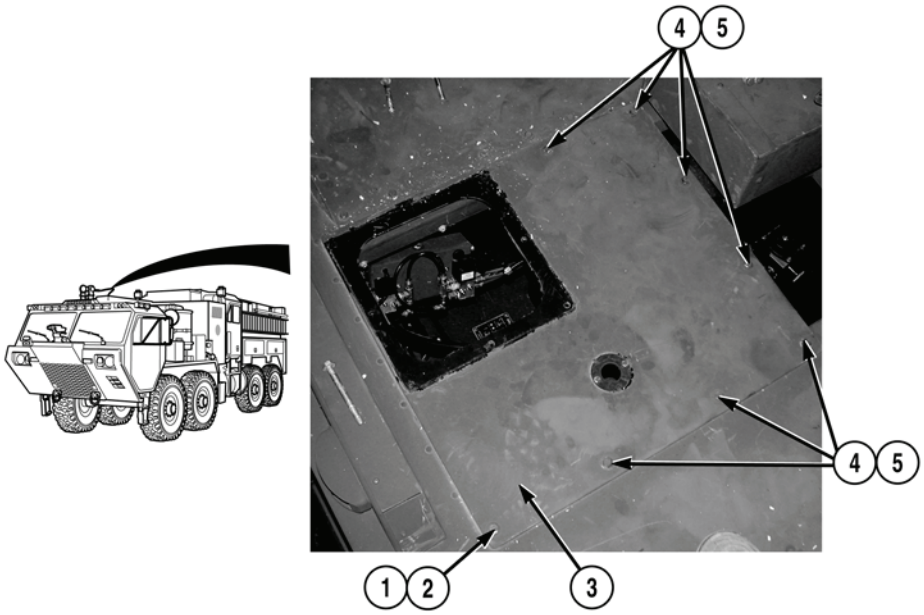
INSTALLATION

WARNING



Solvent cleaning compound MIL-PRF-680 Type II and III may be irritating to the eyes and skin. Use protective gloves and goggles. Use in well-ventilated areas. Use respirator as needed. Accidental ingestion can cause irritation of digestive tract and respiratory tract, may cause lung and central nervous system damage. Can be fatal if swallowed. Inhalation of high/massive concentrations can cause coma or be fatal. First aid for ingestion: do not induce vomiting. Seek immediate medical attention. First aid for skin contact: remove contaminated clothing. Wash skin thoroughly with soap and water. If symptoms persist, seek medical attention. First aid for eye contact: flush with water for 15 minutes or until irritation subsides. If symptoms persist, seek medical attention. First aid for inhalation: move to fresh air. If not breathing, provide artificial respiration. If symptoms persist, seek medical attention. Keep away from open flames and other sources of ignition. Failure to follow this warning may result in injury or death to personnel.

- **The flashpoint for Type II solvent cleaning compound is 141 to 198ºF (61 to 92ºC) and Type III is 200 to 241ºF (93 to 116ºC).**
- **Improper cleaning methods and use of unauthorized cleaning solvents may injure personnel and damage equipment.**
- **Fire extinguishers should be placed nearby when using solvent cleaning compound. Failure to follow this warning may result in injury or death.**
- **Cloths or rags saturated with solvent cleaning compound must be disposed of IAW authorized facilities' procedures. Failure to follow this warning may result in injury.**
- **Eye shields must be worn when cleaning with a wire brush. Flying rust and metal particle may cause injury.**



1. Clean mating surface of roof turret mounting plate (3) and mating surface of vehicle with solvent cleaning compound.

WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

CAUTION

Do not over tighten locknuts. Over tightening locknuts will crush cab frame members.

2. Apply silicone sealant to perimeter and mounting holes on bottom of roof turret mounting plate (3).
3. Install roof turret mounting plate (3) on vehicle with seven screws (5) and locknuts (4).
4. Install roof turret mounting plate (3) on vehicle with screw (2) and locknut (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Install roof turret automatic drain valve and controls (WP 0579)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

TURRET BUMPER MOUNT REPLACEMENT

INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Personnel Required
MOS 63B Wheeled vehicle mechanic (2)

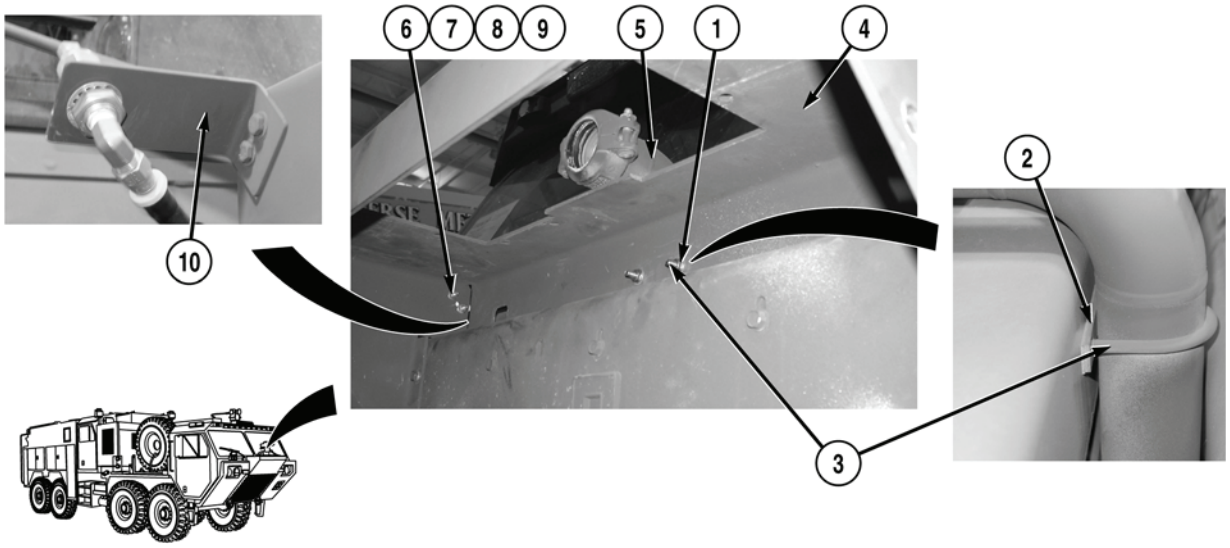
Materials/Parts
Locknut (2)
Lockwasher (4)

Materials/Parts (continued)
Lockwasher (2)

References
WP 0615, Fig. 166

Equipment Conditions
Bumper turret removed (WP 0569)
Skid plate grille removed (WP 0550)

REMOVAL



NOTE

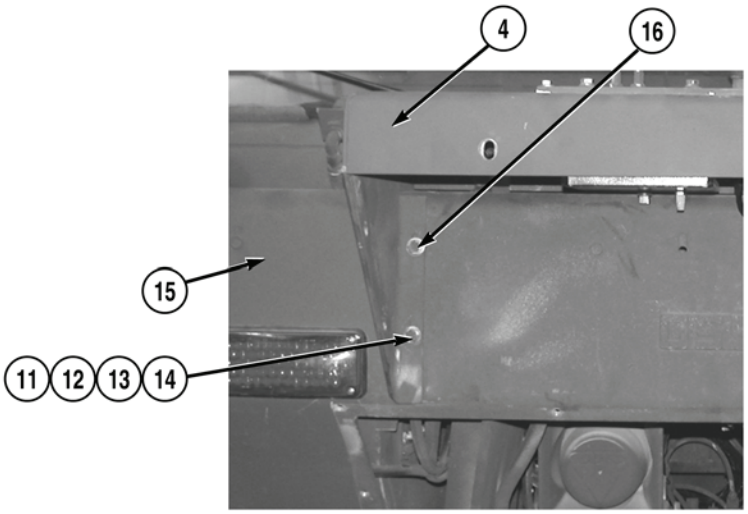
- Note quantity and position of shims prior to removal to ensure proper installation.
- Shims are positioned between bumper turret mount and bumper turret pipe.

1. Remove two locknuts (1), three shims (2), and U-bolt (3) from bumper turret mount (4) and bumper turret pipe (5). Discard locknuts.

NOTE

- Note position of washers prior to removal to ensure proper installation.
- Window deluge brackets are attached to outside of bumper turret mount.

2. Remove four nuts (6), lockwashers (7), eight washers (8), four screws (9), and two window deluge brackets (10) from bumper turret mount (4). Discard lockwashers.

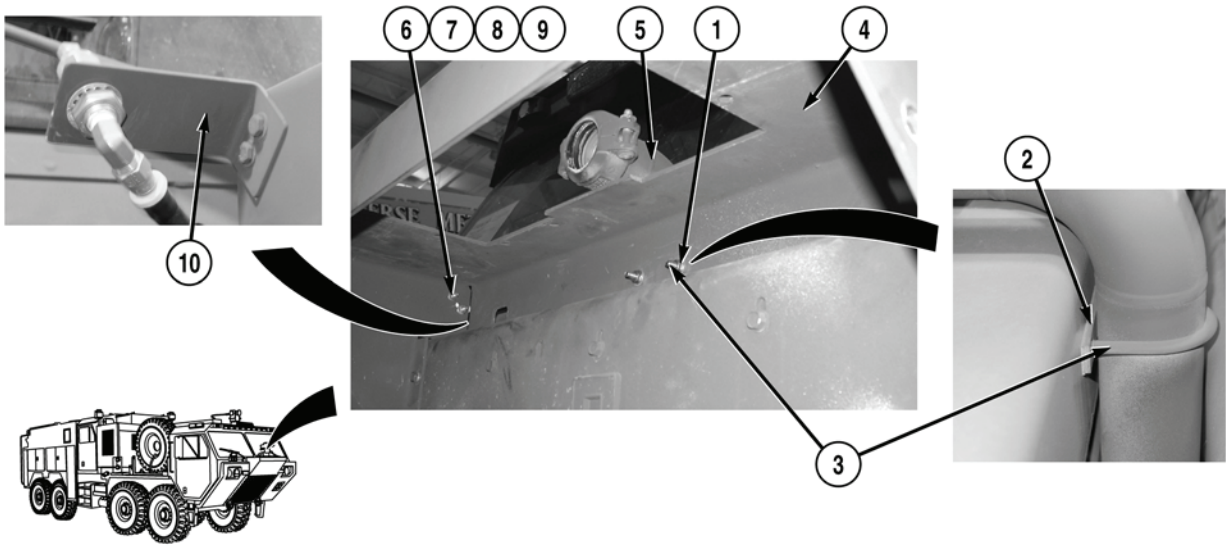


3. Remove two nuts (11), lockwashers (12), four washers (13), and two screws (14) from bumper turret mount (4) and skid plate (15).
4. With the aid of an assistant, remove two screws (16) and bumper turret mount (4) from skid plate (15).

END OF TASK

INSTALLATION

1. With the aid of an assistant, install turret bumper mount (4) on skid plate (15) with two screws (16).
2. Install two screws (14), four washers (13), two lockwashers (12), and nuts (11) on bumper turret mount (4) and skid plate (15).



NOTE

Install washers as noted prior to removal.

3. Install two window deluge brackets (10) on bumper turret mount (4) with four screws (9), eight washers (8), four lockwashers (7), and nuts (6).

NOTE

Install shims as noted prior to removal.

4. Install three shims (2) and U-bolt (3) on bumper turret pipe (5) and bumper turret mount (4) with two locknuts (1).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Install skid plate grille (WP 0550)
2. Install bumper turret (WP 0569)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

AIR LINES AND FITTINGS REPLACEMENT

INITIAL SETUP:

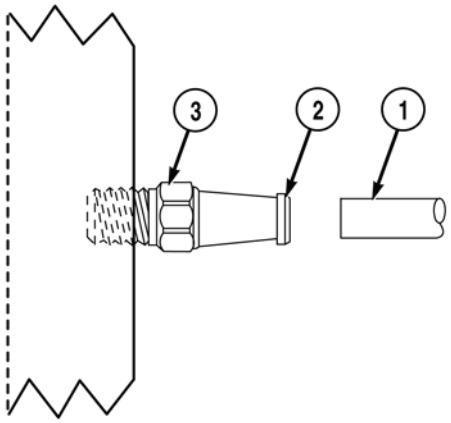
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Compound Sealing, Pipe Thread (WP 0625, Item 17)
Tags, Identification (WP 0625, Item 51)
Ties, Cable, Plastic (WP 0625, Item 58)

References
WP 0612, Fig. 2

Equipment Conditions
Air system drained (TM 9-2320-347-10)
Pump house panels A and S removed (if required) (WP 0540)
Bumper turret cover removed (if required) (WP 0569)

AIR HOSE FITTINGS REPLACEMENT



1. **Removing air line from fitting.**

⚠ CAUTION

Air lines may be removed directly from elbows and fittings, or may remain attached to elbows and fittings and removed as an assembly. If air lines are removed from elbows and fittings, care must be taken not to damage air line. If sealing surface of air line is damaged, air line must be repaired or replaced.

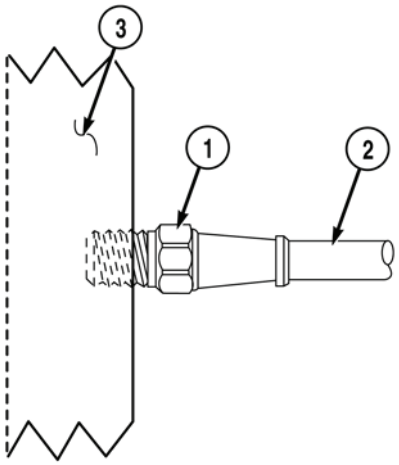
NOTE

- Air line fittings shown, shows straight fitting located on Foam Metering Control Valve Manifold and Shutoff Control Valve Manifold.
- Air lines attached to elbows and tees on air valves and control valves are replaced the same way.

a. Remove air line (1) by pushing release button (2) towards body of fitting (3) and removing air line (1).

b. Install air line (1) on fitting (3) until air line (1) bottoms in fitting (3).

2. **Removing fitting and air line from component with air line remaining attached to fitting.**



NOTE

Internal swivel in fitting allows air line to remain in fitting while fitting is removed from component.

a. Remove fitting (1) and air line (2) from component (3).

WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

CAUTION

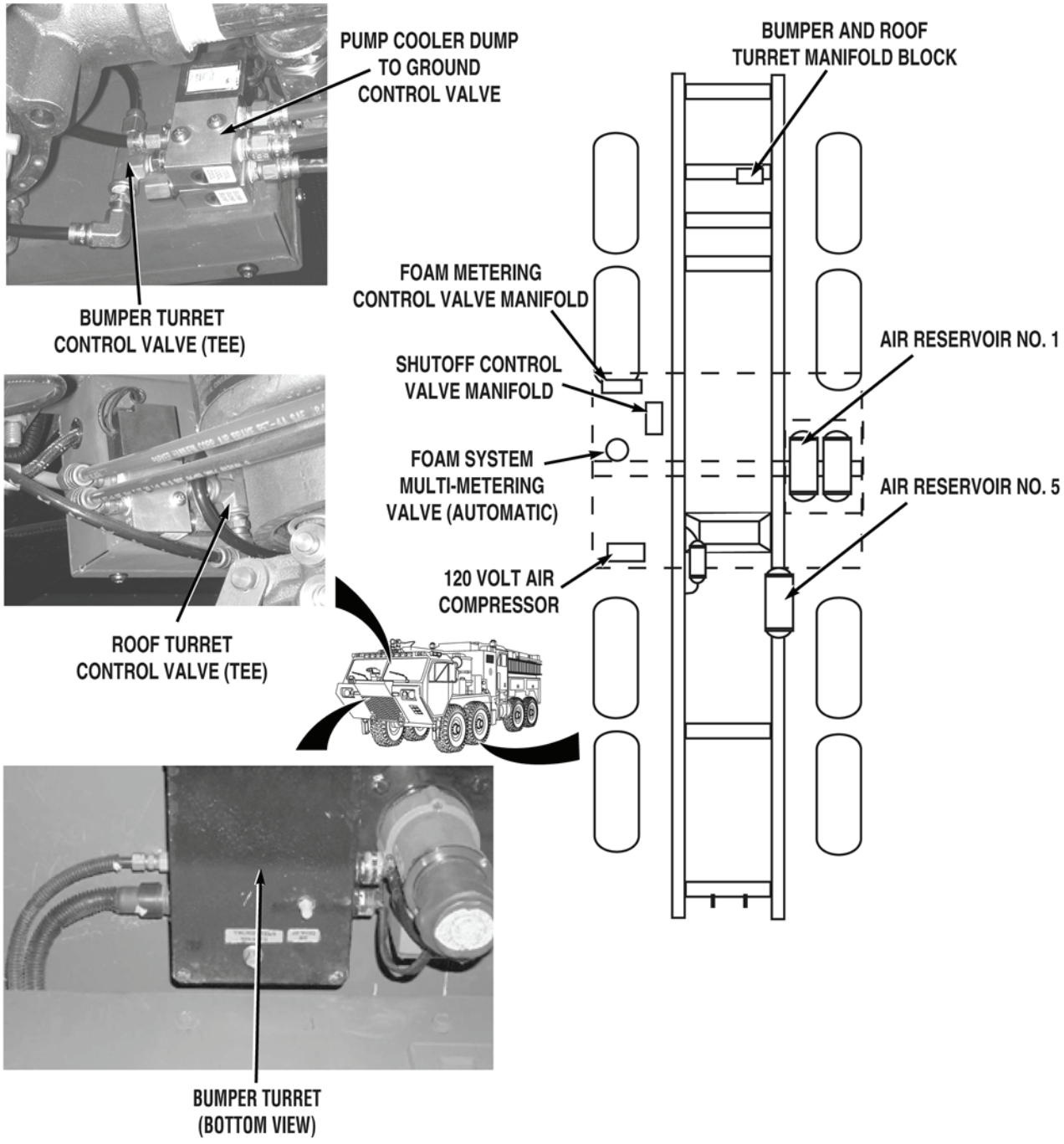
Use sealing compound sparingly only on pipe threads. Do not apply compound to hose connections. Damage to equipment may result.

b. Apply sealing compound to threads of fitting (1).

c. Install fitting (1) and air line (2) on component (3).

END OF TASK

AIR HOSE REPLACEMENT



NOTE

- Tag and mark air lines before removal.
- Cut plastic cable ties as necessary to remove air lines.

Table 1. Air Supply Air Lines.

Hose Item No.	From	To
1	Air Reservoir No. 1	Air Reservoir No. 1
2	Air Reservoir No. 1	Air Reservoir No. 5
3	Air Reservoir No. 1	120-Volt Air Compressor
4	Air Reservoir No.5	Bumper and Roof Turret Manifold Block
5	Air Reservoir No.5	Shutoff Control Valve Manifold (supply)
6	Bumper and Roof Turret Manifold Block	Bumper Turret (bottom)
7	Bumper and Roof Turret Manifold Block	Roof Turret Control Valve (tee)
8	Roof Turret Control Valve (tee)	Bumper Turret Control Valve (tee)
9	Bumper Turret Control Valve (tee)	Pump Cooler Dump to Ground Control Valve

Table 2. Bumper Turret Braided Air Lines.

Hose Item No.	From	To
1	Bumper Turret Mounting Plate	Horizontal Air Cylinder
2	Bumper Turret Mounting Plate	Horizontal Air Cylinder
3	Bumper Turret Mounting Plate	Pattern Sleeve
4	Bumper Turret Mounting Plate	Pattern Sleeve

Table 3. Roof, Bumper, and Pump Cooler Dump to Ground Valve Air Lines.

Hose Item No.	Color	From	To
1	Red	Roof Turret Control Valve	Roof Turret Valve
2	Blue	Roof Turret Control Valve	Roof Turret Valve
3	Red	Pump Cooler Dump to Ground Control Valve	Pump Cooler Dump to Ground Valve
4	Blue	Pump Cooler Dump to Ground Control Valve	Pump Cooler Dump to Ground Valve
5	Red	Bumper Turret Control Valve	Bumper Turret Valve
6	Blue	Bumper Turret Control Valve	Bumper Turret Valve

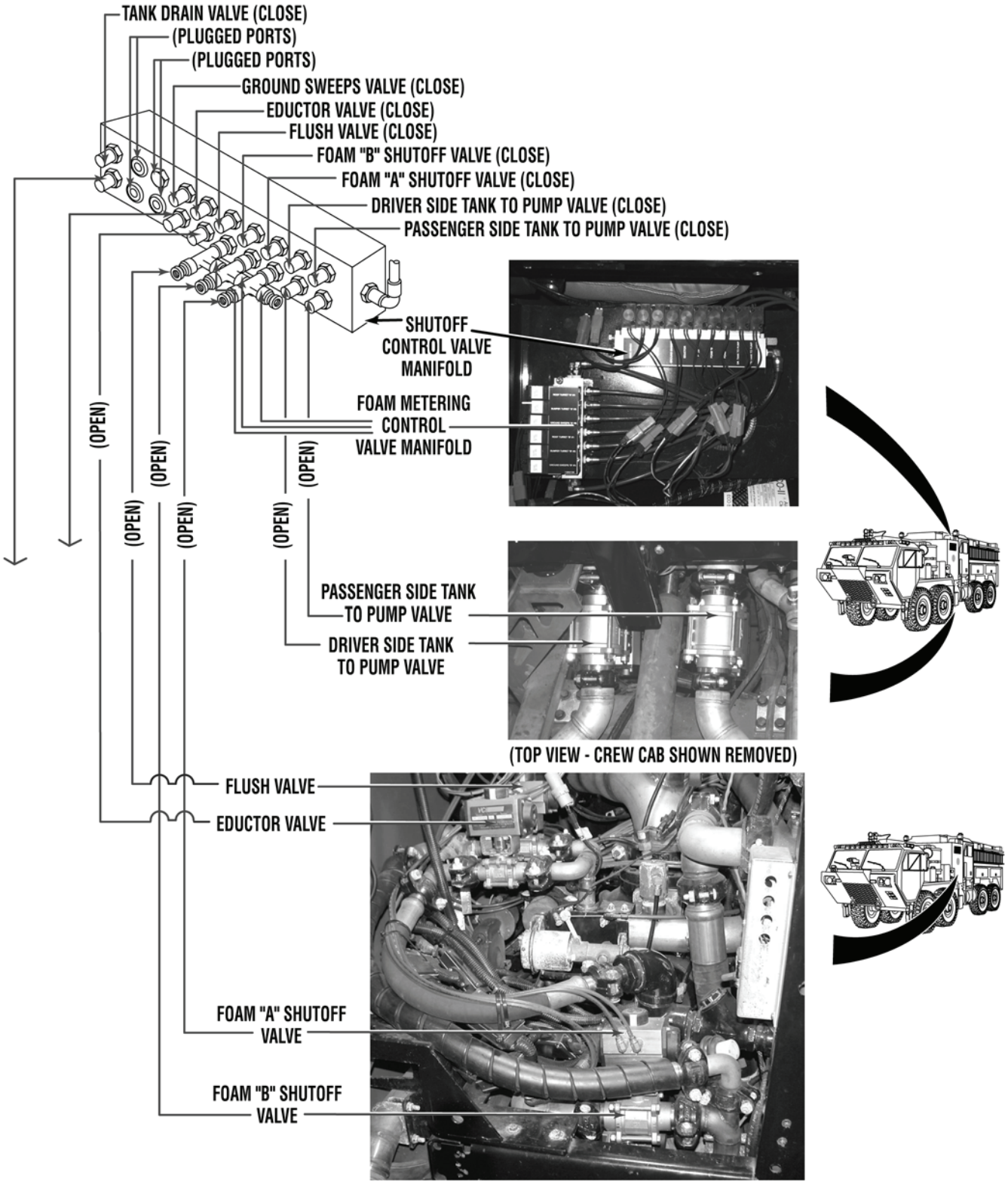
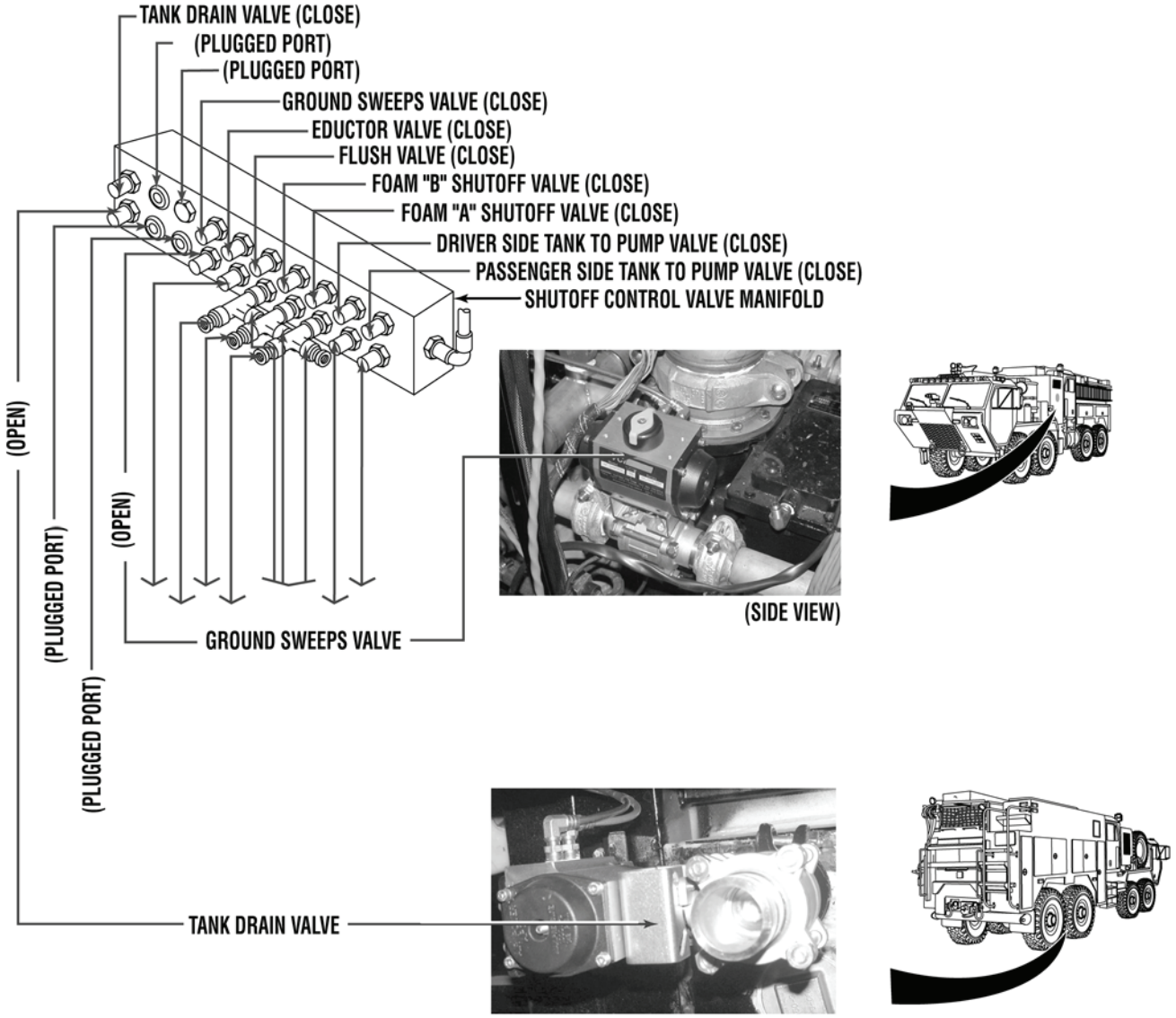

TANK DRAIN VALVE (CLOSE)
(PLUGGED PORTS)
(PLUGGED PORTS)
GROUND SWEEPS VALVE (CLOSE)
EDUCTOR VALVE (CLOSE)
FLUSH VALVE (CLOSE)
FOAM "B" SHUTOFF VALVE (CLOSE)
FOAM "A" SHUTOFF VALVE (CLOSE)
DRIVER SIDE TANK TO PUMP VALVE (CLOSE)
PASSENGER SIDE TANK TO PUMP VALVE (CLOSE)
SHUTOFF CONTROL VALVE MANIFOLD
FOAM METERING CONTROL VALVE MANIFOLD
(OPEN)
(OPEN)
(OPEN)
(OPEN)
(OPEN)
PASSENGER SIDE TANK TO PUMP VALVE
DRIVER SIDE TANK TO PUMP VALVE
(TOP VIEW - CREW CAB SHOWN REMOVED)
FLUSH VALVE
EDUCTOR VALVE
FOAM "A" SHUTOFF VALVE
FOAM "B" SHUTOFF VALVE

Table 4. Shutoff Control Valve Manifold and Valve Air Lines.

Hose Item No.	Color	From	To
NOTE • Red (close) air lines correspond with blue (open) air lines (except: Direct Tank Fill Valve) from manifold to valves. • Red (close) air lines not shown next to blue air lines for clarity.			
1	Red	Shutoff Control Valve Manifold	Eductor Valve (close)
2	Blue	Shutoff Control Valve Manifold	Eductor Valve (open)
3	Red	Shutoff Control Valve Manifold	Flush Valve (close)
4	Blue	Shutoff Control Valve Manifold (tee)	Flush Valve (open)
5	Blue	Shutoff Control Valve Manifold (tee)	Foam Metering Control Valve Manifold
6	Red	Shutoff Control Valve Manifold	Foam “B” Shutoff Valve (close)
7	Blue	Shutoff Control Valve Manifold (tee)	Foam “B” Shutoff Valve (open)
8	Blue	Shutoff Control Valve Manifold (tee)	Foam Metering Control Valve Manifold
9	Red	Shutoff Control Valve Manifold	Foam “A” Shutoff Valve (close)
10	Blue	Shutoff Control Valve Manifold (tee)	Foam “A” Shutoff Valve (open)
11	Blue	Shutoff Control Valve Manifold (tee)	Foam Metering Control Valve Manifold
12	Red	Shutoff Control Valve Manifold	Driver Side Tank to Pump Valve (close)
13	Blue	Shutoff Control Valve Manifold	Driver Side Tank to Pump Valve (open)
14	Red	Shutoff Control Valve Manifold	Passenger Side Tank to Pump Valve (close)
15	Blue	Shutoff Control Valve Manifold	Passenger Side Tank to Pump Valve (open)
16	Red	Shutoff Control Valve Manifold	Tank Drain Valve (close)
17	Blue	Shutoff Control Valve Manifold	Tank Drain Valve (open)
18	Red	Shutoff Control Valve Manifold	Ground Sweeps Valve (close)
19	Blue	Shutoff Control Valve Manifold	Ground Sweeps Valve (open)


TANK DRAIN VALVE (CLOSE)
(PLUGGED PORT)
(PLUGGED PORT)
GROUND SWEEPS VALVE (CLOSE)
EDUCTOR VALVE (CLOSE)
FLUSH VALVE (CLOSE)
FOAM "B" SHUTOFF VALVE (CLOSE)
FOAM "A" SHUTOFF VALVE (CLOSE)
DRIVER SIDE TANK TO PUMP VALVE (CLOSE)
PASSENGER SIDE TANK TO PUMP VALVE (CLOSE)
SHUTOFF CONTROL VALVE MANIFOLD
(OPEN)
(PLUGGED PORT)
(PLUGGED PORT)
(OPEN)
GROUND SWEEPS VALVE
(SIDE VIEW)
TANK DRAIN VALVE

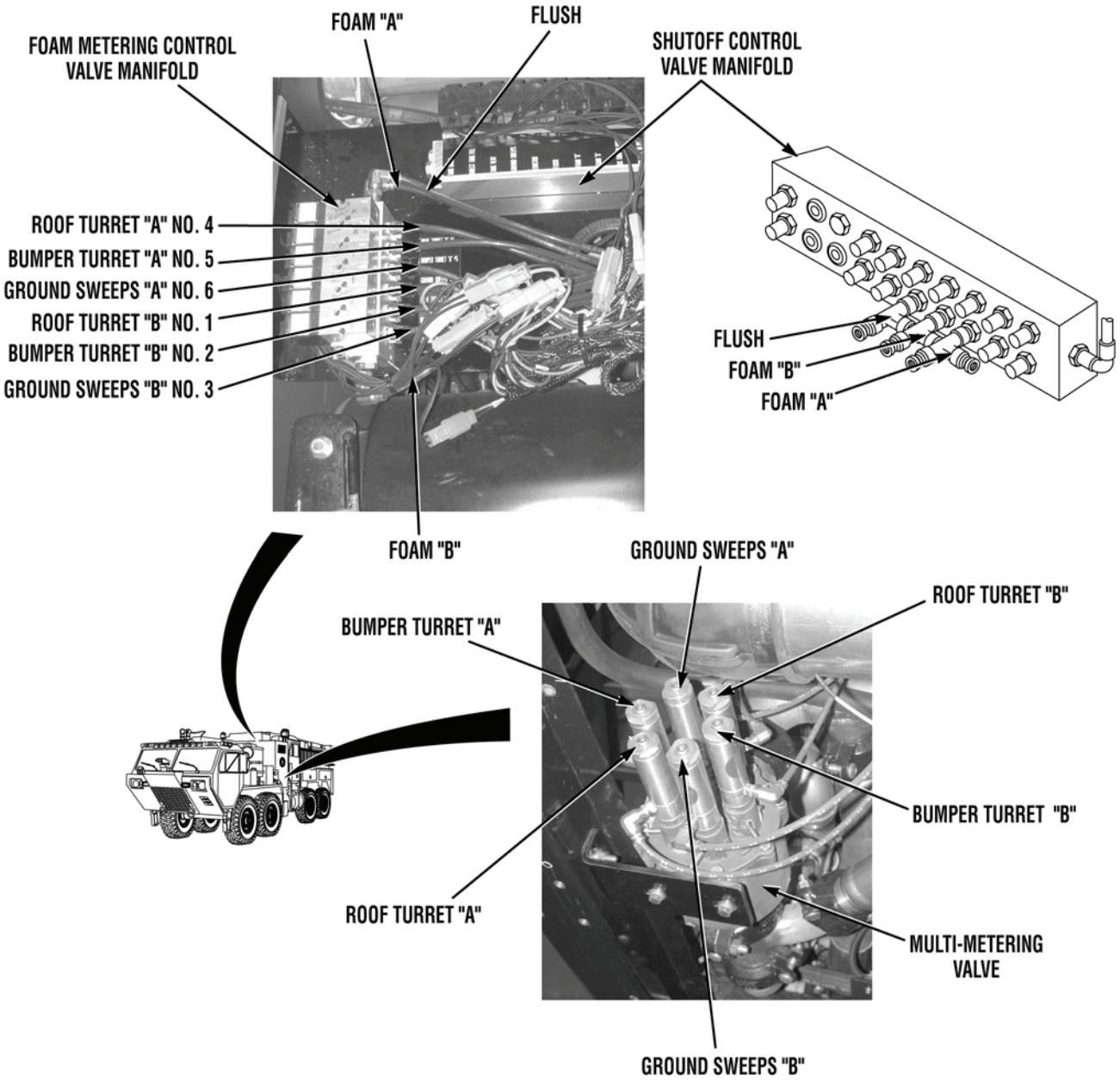

FOAM METERING CONTROL VALVE MANIFOLD
FOAM "A"
FLUSH
SHUTOFF CONTROL VALVE MANIFOLD
ROOF TURRET "A" NO. 4
BUMPER TURRET "A" NO. 5
GROUND SWEEPS "A" NO. 6
ROOF TURRET "B" NO. 1
BUMPER TURRET "B" NO. 2
GROUND SWEEPS "B" NO. 3
FLUSH
FOAM "B"
FOAM "A"
FOAM "B"
GROUND SWEEPS "A"
ROOF TURRET "B"
BUMPER TURRET "A"
BUMPER TURRET "B"
ROOF TURRET "A"
MULTI-METERING VALVE
GROUND SWEEPS "B"

Table 5. Foam Metering Control Valve Manifold to Shutoff Control Valve Manifold and Multi-metering Valve Air Lines.

Hose Item No.	Color	From	To
1	Blue	Foam Metering Control Valve Manifold Flush	Shutoff Control Valve Manifold Flush
2	Blue	Foam Metering Control Valve Manifold Foam “A”	Shutoff Control Valve Manifold Foam “A”
3	Blue	Foam Metering Control Valve Manifold Foam “B”	Shutoff Control Valve Manifold Foam “B”
4	Blue	Foam Metering Control Valve Manifold Roof Turret “A” No. 4	Multi-metering Valve Roof Turret “A”
5	Blue	Foam Metering Control Valve Manifold Bumper Turret “A” No. 5	Multi-metering Valve Bumper Turret “A”
6	Blue	Foam Metering Control Valve Manifold Ground Sweeps “A” No. 6	Multi-metering Valve Ground Sweeps “A”
7	Blue	Foam Metering Control Valve Manifold Roof Turret “B” No. 1	Multi-metering Valve Roof Turret “B”
8	Blue	Foam Metering Control Valve Manifold Bumper Turret “B” No. 2	Multi-metering Valve Bumper Turret “B”
9	Blue	Foam Metering Control Valve Manifold Ground Sweeps “B” No. 3	Multi-metering Valve Ground Sweeps “B”

END OF TASK

FOLLOW-ON MAINTENANCE

1. Install bumper turret cover (if required) (WP 0569)
2. Install pump house panels A and S (if required) (WP 0540)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

BUMPER AND ROOF TURRET MANIFOLD BLOCK REPLACEMENT

INITIAL SETUP:

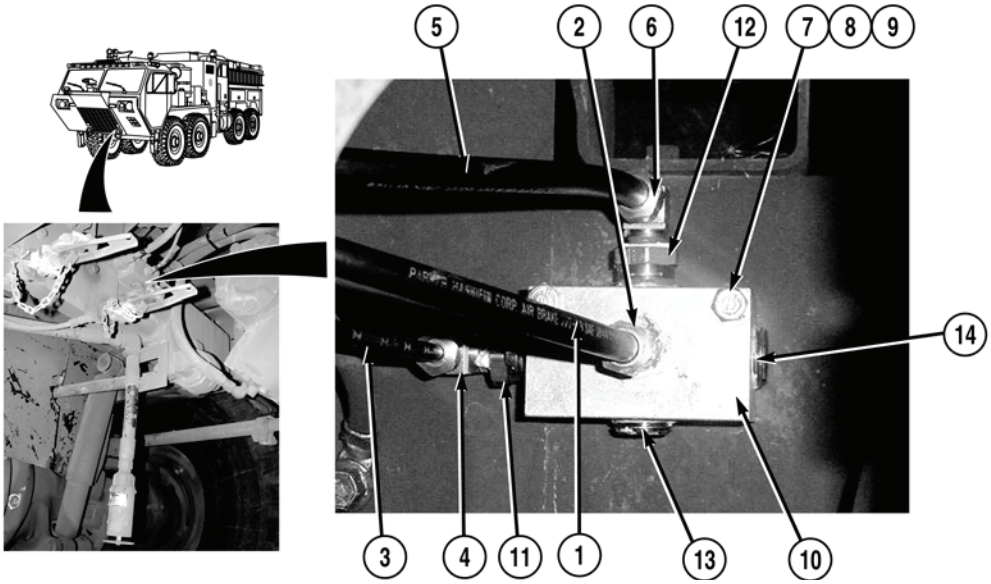
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Compound, Sealing, Pipe Thread (WP 0625, Item 21)
Tags, Identification (WP 0625, Item 51)
Locknut (2)

References
WP 0615, Fig. 167

Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (TM 9-2320-347-10)
Wheels chocked (TM 9-2320-347-10)
Air system drained (TM 9-2320-347-10)

REMOVAL



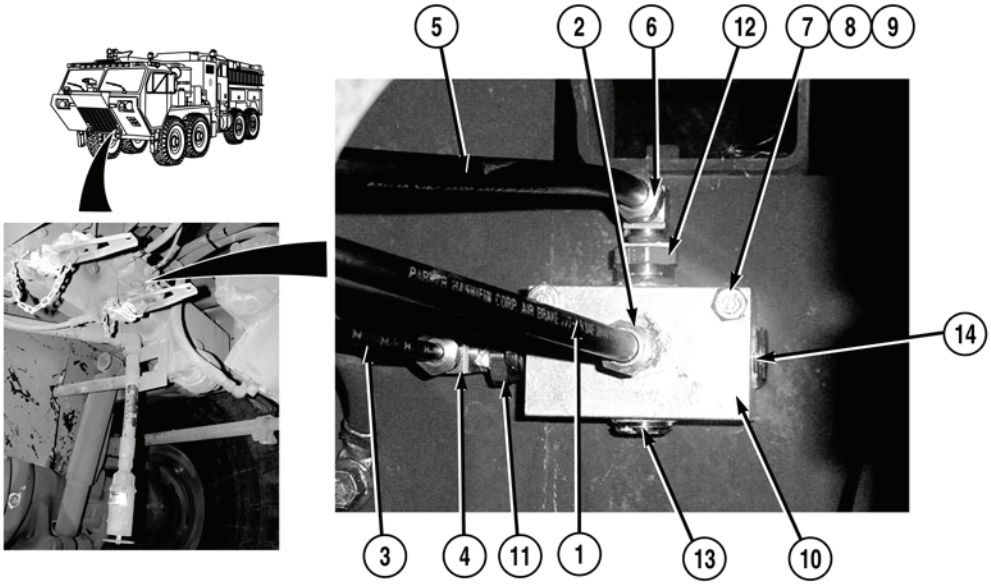
NOTE

Tag and mark air lines prior to removal to ensure proper installation.

1. Remove air line (1) from fitting (2).
2. Remove air line (3) from elbow (4).
3. Remove air line (5) from elbow (6).
4. Remove two locknuts (7), washers (8), screws (9), and manifold block (10) from vehicle. Discard locknuts.
5. Remove two elbows (4) and (6) from fittings (11) and (12).
6. Remove three fittings (2), (11), and (12) and two plugs (13) and (14) from manifold block (10).

END OF TASK

INSTALLATION



WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

CAUTION

Use sealing compound sparingly only on pipe threads. Do not apply compound to hose connections. Damage to equipment may result.

1. Apply sealing compound to threads of three fittings (2), (11), and (12), two elbows (4) and (6), and two plugs (13) and (14).
2. Install three fittings (2), (11), and (12) and two plugs (13) and (14) on manifold block (10).
3. Install two elbows (4) and (6) on fittings (11) and (12).
4. Install manifold block (10) on vehicle with two screws (9), washers (8), and locknuts (7).
5. Install air line (5) on elbow (6).
6. Install air line (3) on elbow (4).
7. Install air line (1) on fitting (2).

END OF TASK

FOLLOW-ON MAINTENANCE

Remove wheel chocks (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

BUMPER TURRET REPLACEMENT

INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

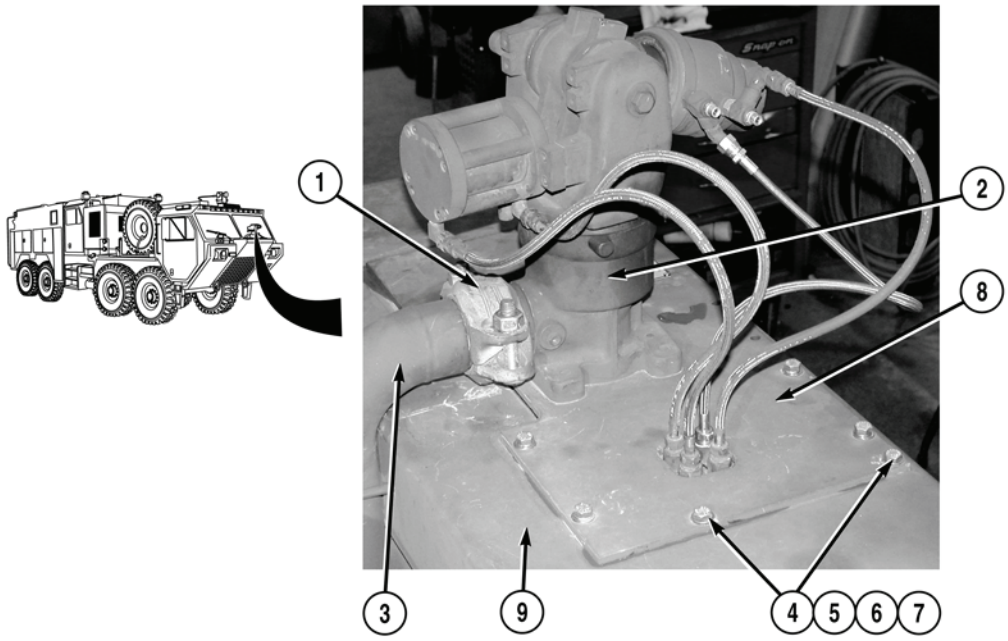
Materials/Parts
Tags, Identification (WP 0625, Item 51)
Lockwasher (4)

Personnel Required
MOS 63B Wheeled vehicle mechanic (2)

References
WP 0483
WP 0615, Fig. 168

Equipment Conditions
Bumper turret junction box removed (WP 0572)

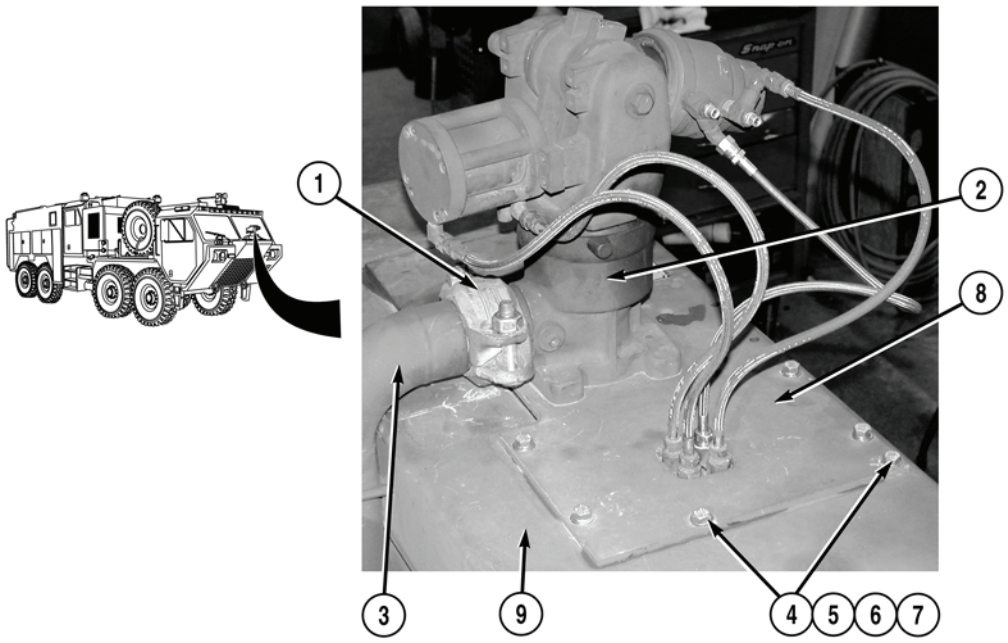
REMOVAL



1. Remove coupling (1) from bumper turret (2) and bumper turret pipe (3) (WP 0483).
2. Remove four nuts (4), lockwashers (5), eight washers (6), four screws (7), and bumper turret mounting plate (8) from bumper turret bumper mount (9). Discard lockwashers.

END OF TASK

INSTALLATION



1. Install bumper turret mounting plate (8) on bumper turret mount (9) with four screws (7), eight washers (6), four lockwashers (5), and nuts (4).
2. Install coupling (1) on bumper turret (2) and bumper turret pipe (3) (WP 0483).

END OF TASK

FOLLOW-ON MAINTENANCE

Install bumper turret junction box (WP 0572)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

BUMPER TURRET CONTROL REPLACEMENT

INITIAL SETUP:

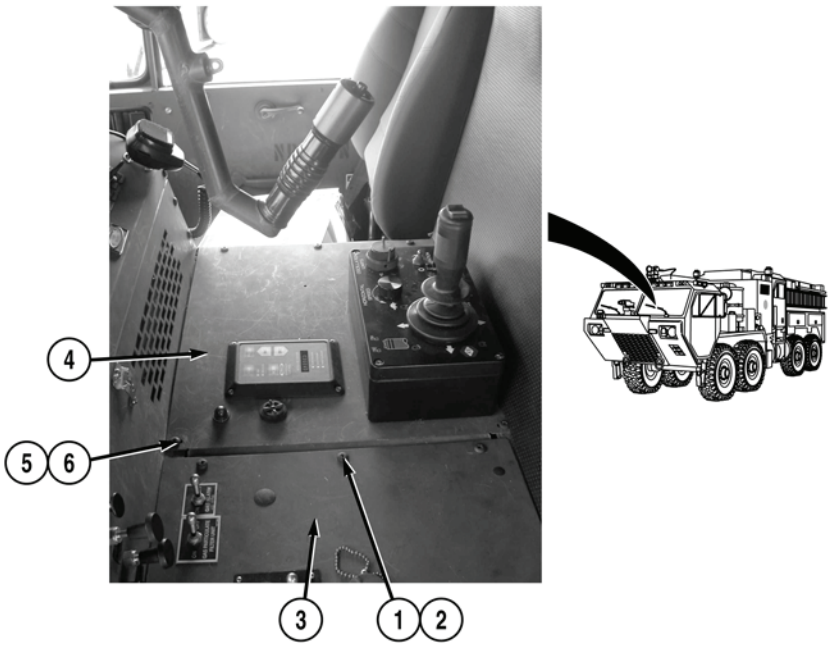
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Tags, Identification (WP 0625, Item 51)
Lockwasher (1)
Lockwasher (4)
Preformed Packing (2)

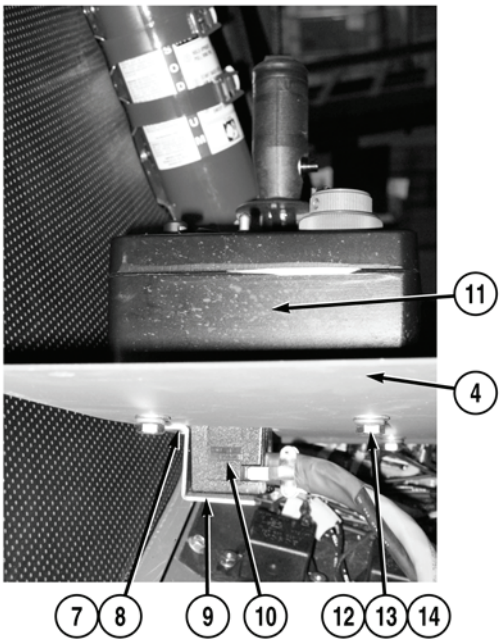
References
WP 0615, Fig. 55, 168

Equipment Conditions
Water pump engine OFF (WP 0022)
Batteries disconnected (TM 9-2320-325-14&P)

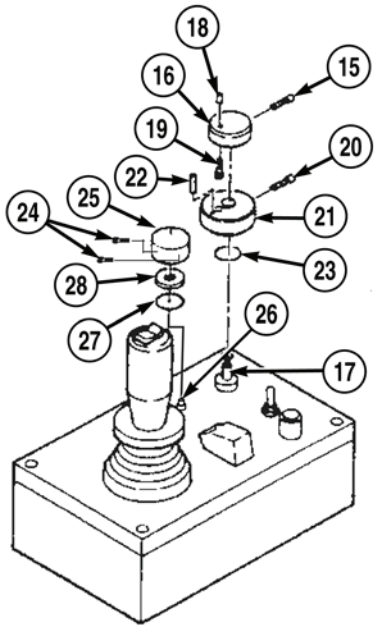
REMOVAL



1. Remove three screws (1) and washers (2) from two covers (3) and (4).
2. Remove five screws (5), washers (6), and cover (4) from cover (3).



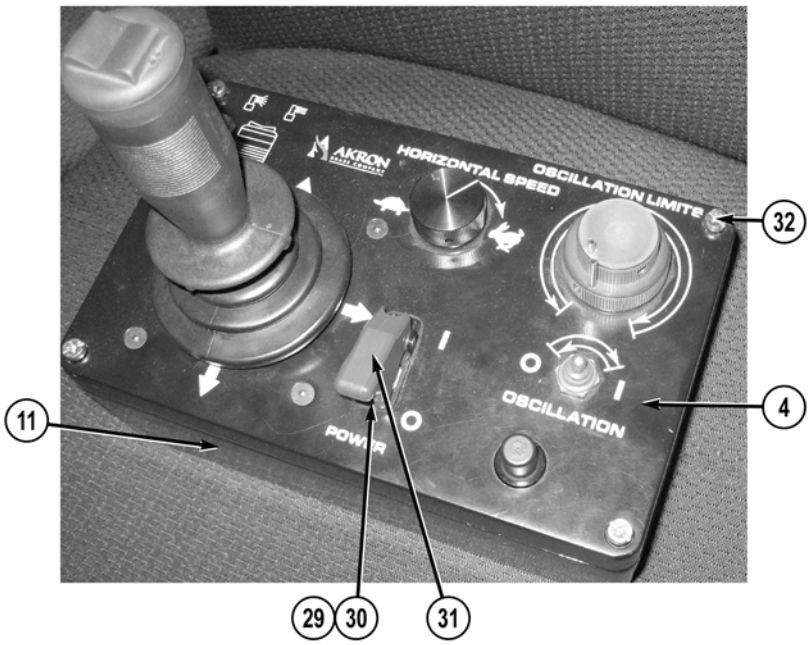
3. Lift cover (4) and remove screw (7), lockwasher (8), and bracket (9) from cover (4). Discard lockwasher.
4. Disconnect connector (10) from bumper turret control (11).
5. Remove four screws (12), lockwashers (13), washers (14), and bumper turret control (11) from cover (4). Discard lockwashers.



NOTE

Perform Steps (6) through (11) only if control knobs removal is necessary.

6. Loosen setscrew (15) and remove control knob (16) from switch (17).
7. Remove roll pin (18) and screw (19) from control knob (16).
8. Loosen setscrew (20) and remove control knob (21) from switch (17).
9. Remove roll pin (22) and preformed packing (23) from control knob (21). Discard preformed packing.
10. Loosen two setscrews (24) and remove control knob (25) from switch (26).
11. Remove preformed packing (27) and spacer (28) from control knob (25). Discard preformed packing.



NOTE

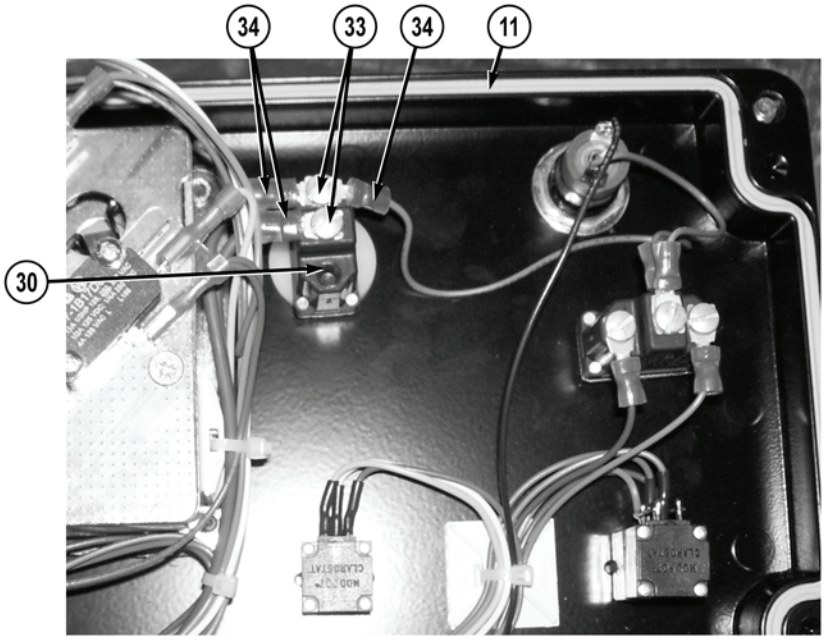
Perform Steps (12) and (13) if power switch guard needs to be removed.

12. Remove nut (29) from power switch (30) and power switch guard (31).
13. Remove power switch guard (31) from bumper turret control (11).

NOTE

- Perform Steps (14) through (17) if power switch needs to be removed.
- Wires are still attached to cover. Lift cover only enough to access components.

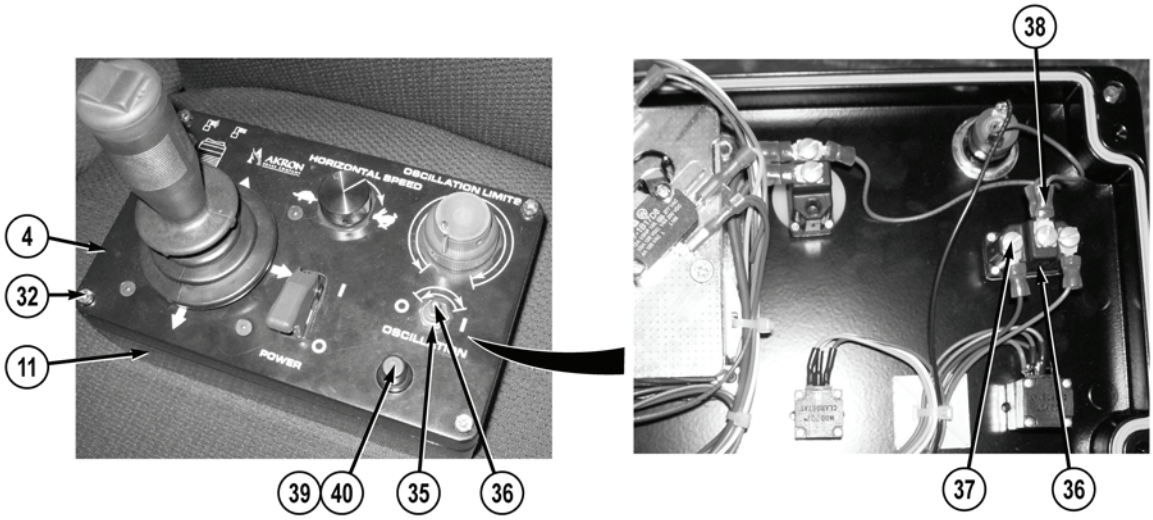
14. Remove four screws (32) from bumper turret control (11) and lift cover (4).
15. Remove nut (29) from power switch (30).



NOTE

Tag and mark wires prior to removal to ensure proper installation.

16. Remove two screws (33) and three wires (34) from power switch (30).
17. Remove power switch (30) from bumper turret control (11).



NOTE

- Tag and mark wires prior to removal to ensure proper installation.
- Perform Steps (18) through (21) if oscillation switch needs to be removed.
- Wires are still attached to cover. Lift cover only enough to access components.

18. Remove four screws (32) from bumper turret control (11) and lift cover (4).
19. Remove nut (35) from oscillation switch (36).
20. Remove three screws (37) and four wires (38) from oscillation switch (36).
21. Remove oscillation switch (36) from cover (4).

NOTE

Perform Step (22) if lamp needs to be removed.

22. Remove lens (39) and lamp (40) from cover (4).

END OF TASK

INSTALLATION

NOTE

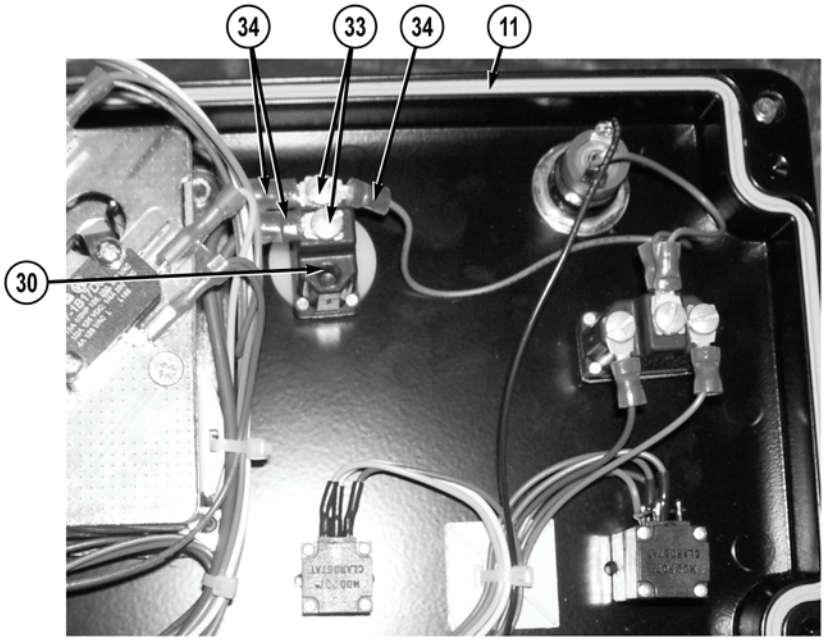
Perform Step (1) if lamp was removed.

1. Install lamp (40) and lens (39) on cover (4).

NOTE

Perform Steps (2) through (5) if oscillation switch was removed.

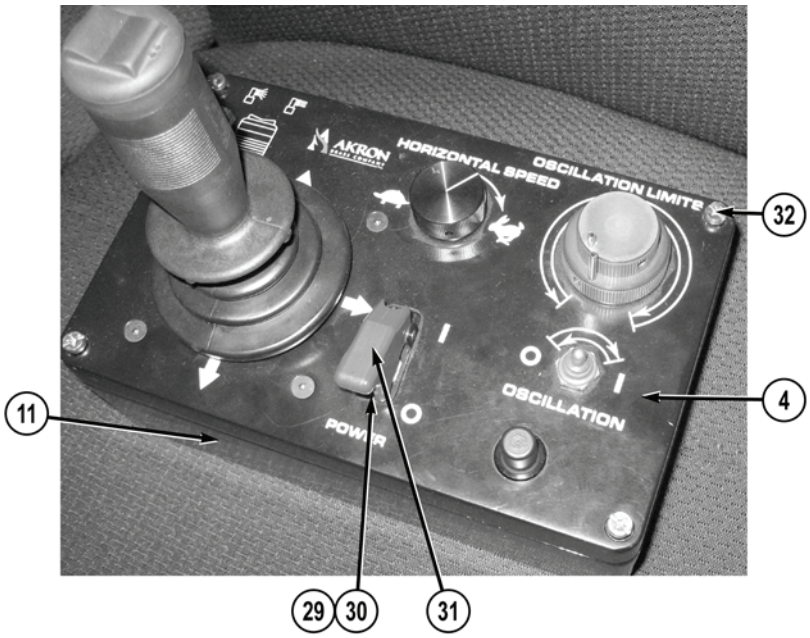
2. Position oscillation switch (36) on cover (4).
3. Install four wires (38) on oscillation switch (36) with three screws (37).
4. Install oscillation switch (36) on cover (4) with nut (35).
5. Install cover (4) on bumper turret control (11) with four screws (32).



NOTE

Perform Steps (6) through (9) if power switch was removed.

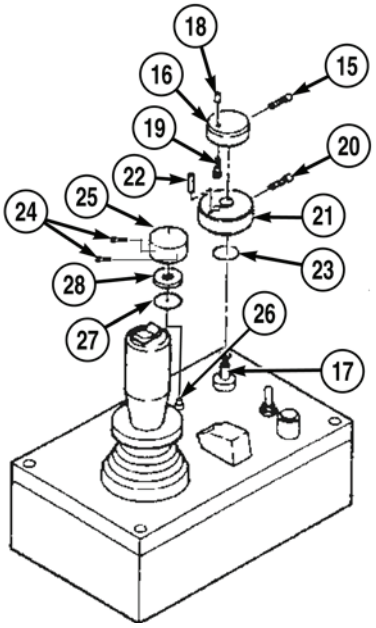
6. Position power switch (30) on cover (4).
7. Install three wires (34) on power switch (30) with two screws (33).
8. Install nut (29) on power switch (30).
9. Install cover (4) on bumper turret control (11) with four screws (32).



NOTE

Perform Steps (10) and (11) if power switch guard was removed.

10. Position power switch guard (31) on power switch (30) and bumper turret control (11).
11. Install power switch guard (31) on power switch (30) with nut (29).

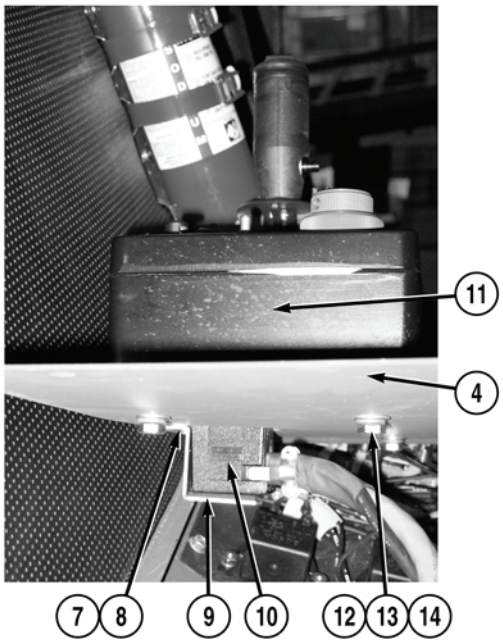


NOTE

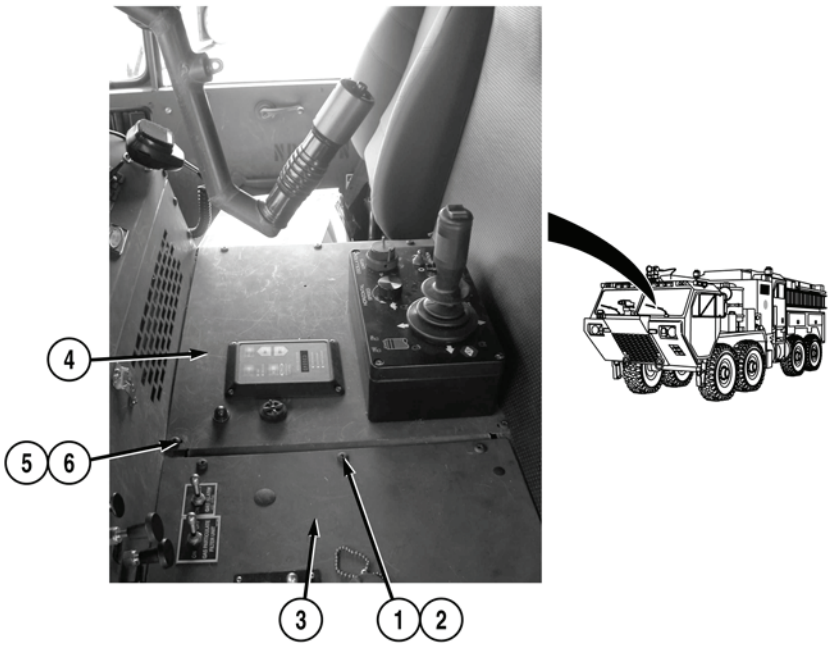
Perform Steps (1) through (6) only if control knobs were removed.

12. Install spacer (28) and performed packing (27) on control knob (25).

13. Install control knob (25) on switch (26) and tighten two setscrews (24).
14. Install preformed packing (23) and roll pin (22) on control knob (21).
15. Install control knob (21) on switch (17) and tighten setscrew (20).
16. Install screw (19) and roll pin (18) on control knob (16).
17. Install control knob (16) on switch (17) and tighten setscrew (15).



18. Install bumper turret control (11) on cover (4) with four washers (14), lockwashers (13), and screws (12).
19. Connect connector (10) to bumper turret control (11).
20. Install bracket (9) on cover (4) with lockwasher (8) and screw (7).



21. Install cover (4) on cover (3) with five washers (6) and screws (5).
22. Install three washers (2) and screws (1) on two covers (3) and (4).

END OF TASK

FOLLOW-ON MAINTENANCE

Connect batteries (TM 9-2320-325-14&P)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

BUMPER TURRET REPAIR

INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

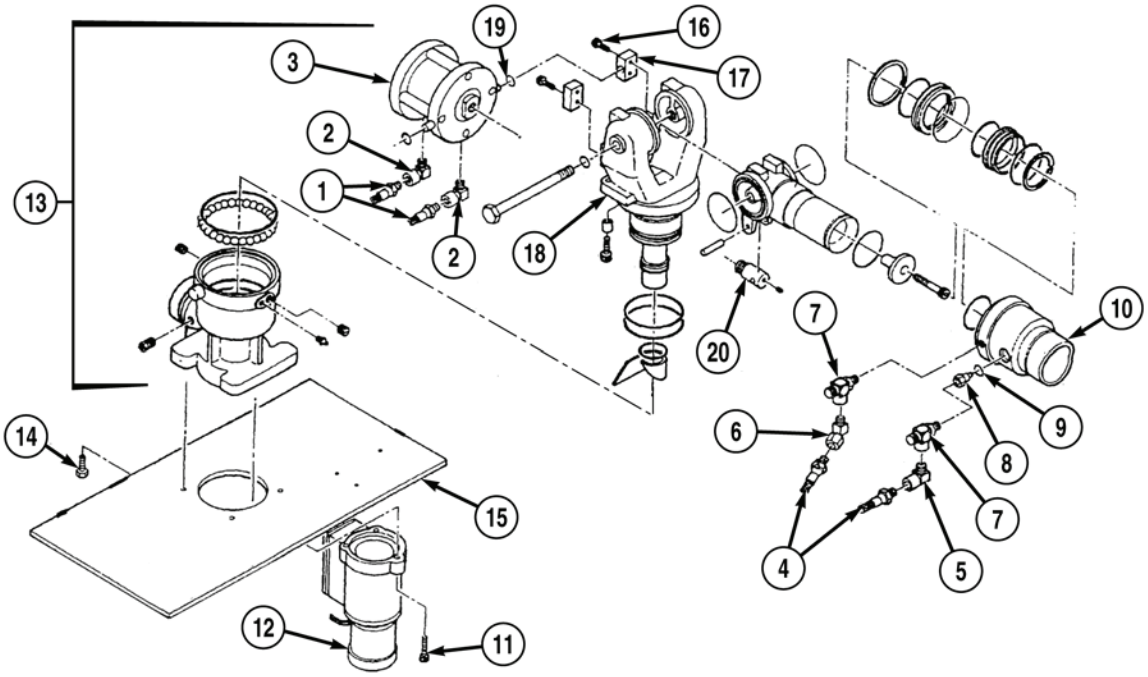
Materials/Parts
Preformed Packing (1)
Preformed Packing (2)
Preformed Packing (1)
Preformed Packing (2)
Retaining Ring (1)
Preformed Packing (1)
Preformed Packing (1)

Materials/Parts (continued)
Retaining Ring (1)
Preformed Packing (2)
Preformed Packing (2)
Preformed Packing (1)
Preformed Packing (3)

References
WP 0615, Fig. 168

Equipment Conditions
Bumper turret removed (WP 0569)

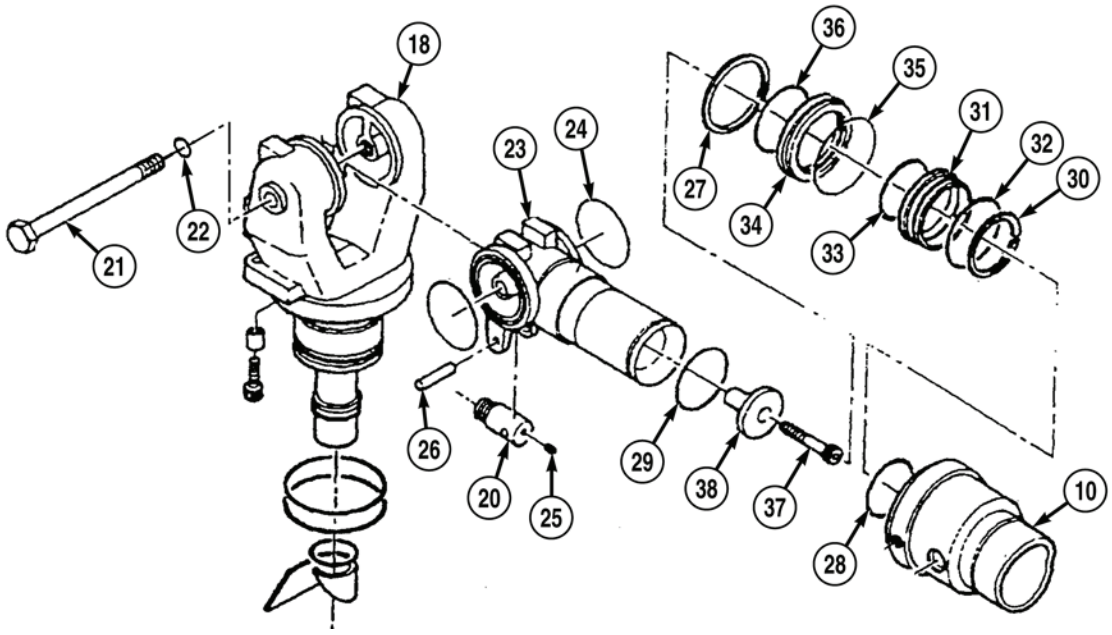
DISASSEMBLY



NOTE

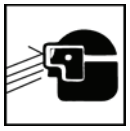
Note position of elbows and fittings prior to removal to ensure proper installation.

1. Remove two hoses (1) and elbows (2) from air cylinder (3).
2. Remove two hoses (4), elbow (5), fitting (6), two control valves (7), connector (8), and preformed packing (9) from pattern sleeve (10). Discard preformed packing.
3. Remove three screws (11) and turret motor (12) from turret (13).
4. Remove four screws (14) and turret (13) from mounting plate (15).
5. Remove four screws (16) from two cylinder pivots (17) and reducer (18).
6. Remove two cylinder pivots (17) and two preformed packings (19) from air cylinder (3). Discard preformed packings.
7. Remove air cylinder (3) from cylinder eye (20).



8. Remove screw (21), preformed packing (22), and tee (23) from reducer (18). Discard preformed packing.
9. Remove two preformed packings (24) from tee (23). Discard preformed packings.
10. Remove set screw (25) from cylinder eye (20).
11. Remove pin (26) and cylinder eye (20) from tee (23).

WARNING



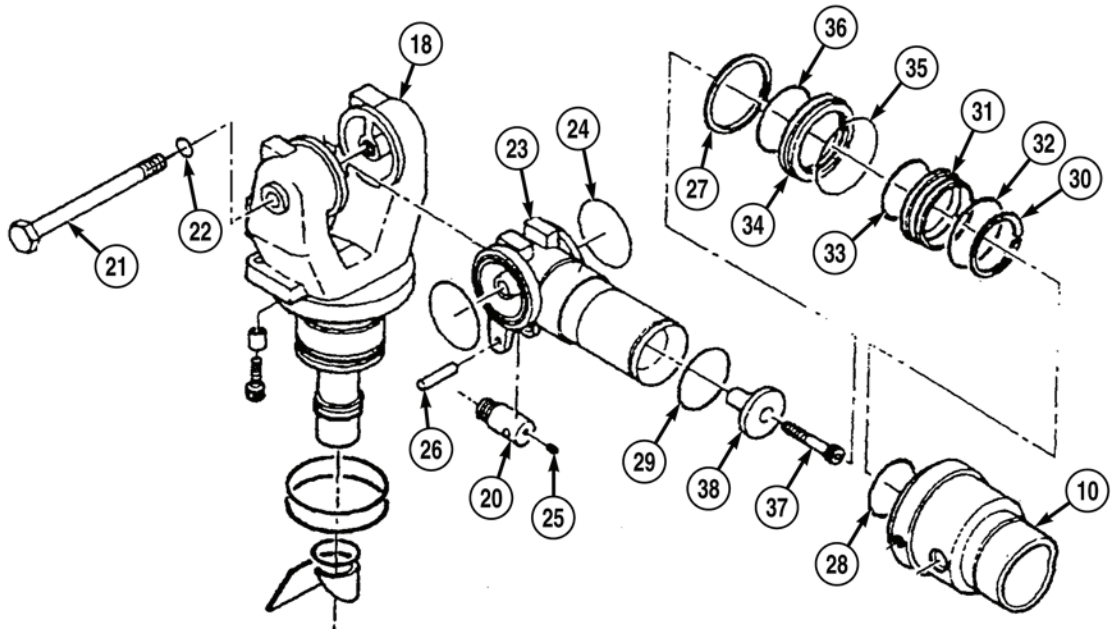
Springs, retaining rings, and snap rings are under extreme spring tension and can act as projectiles when being removed. Ensure all personnel wear protective goggles. Failure to comply may result in serious injury to personnel.

12. Remove retaining ring (27) and pattern sleeve (10) from tee (23). Discard retaining ring.

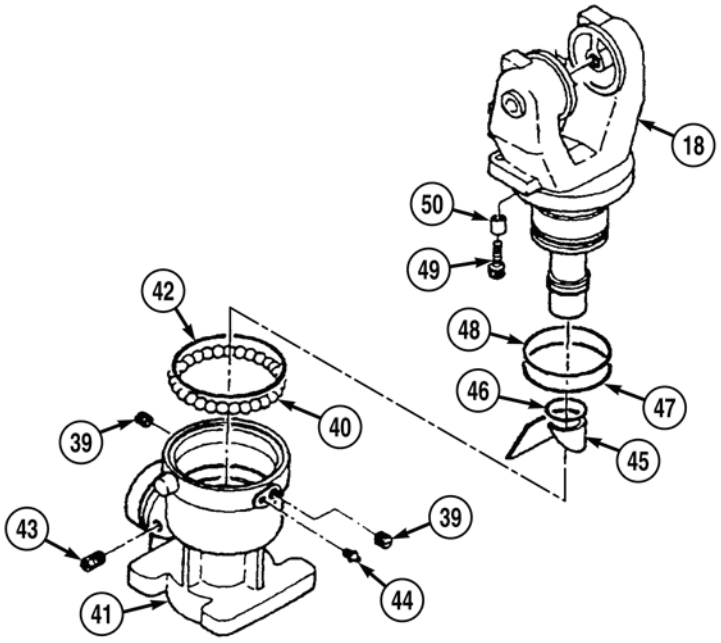
NOTE

Note position of preformed packing prior to removal to ensure proper installation.

13. Remove preformed packing (28) from pattern sleeve (10). Discard preformed packing.
14. Remove preformed packing (29) from tee (23). Discard preformed packing.
15. Remove retaining ring (30) from tee (23). Discard retaining ring.
16. Remove piston (31) from tee (23).
17. Remove two preformed packings (32) and (33) from piston (31). Discard preformed packings.



18. Remove piston (34) from tee (23).
19. Remove two preformed packings (35) and (36) from piston (34). Discard preformed packings.
20. Remove screw (37) and baffle (38) from tee (23).



NOTE

Elbow is removed from reducer by removing ball bearings through plug openings.

21. Remove two plugs (39) and 29 ball bearings (40) from elbow (41).
22. Remove elbow (41) from reducer (18).
23. Remove preformed packing (42), plug (43), and grease fitting (44) from elbow (41). Discard preformed packing.
24. Remove bearing (45), three preformed packings (46), (47), and (48), screw (49), and spacer (50) from reducer (18). Discard preformed packings.

END OF TASK

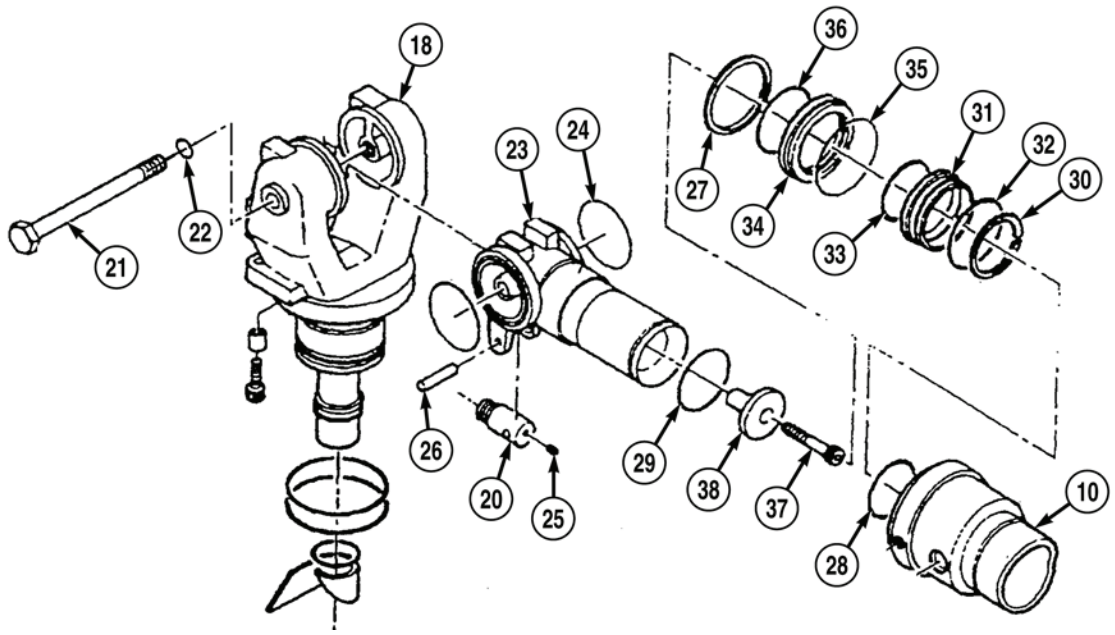
ASSEMBLY

1. Install spacer (50), screw (49), three preformed packings (48), (47), and (46), and bearing (45) on reducer (18).
2. Install grease fitting (44), plug (43), and preformed packing (42) on elbow (41).

NOTE

Elbow is installed on reducer by installing ball bearings through plug openings.

3. Position reducer (18) on elbow (41) and install 29 ball bearings (40) and two plugs (39) on elbow (41).

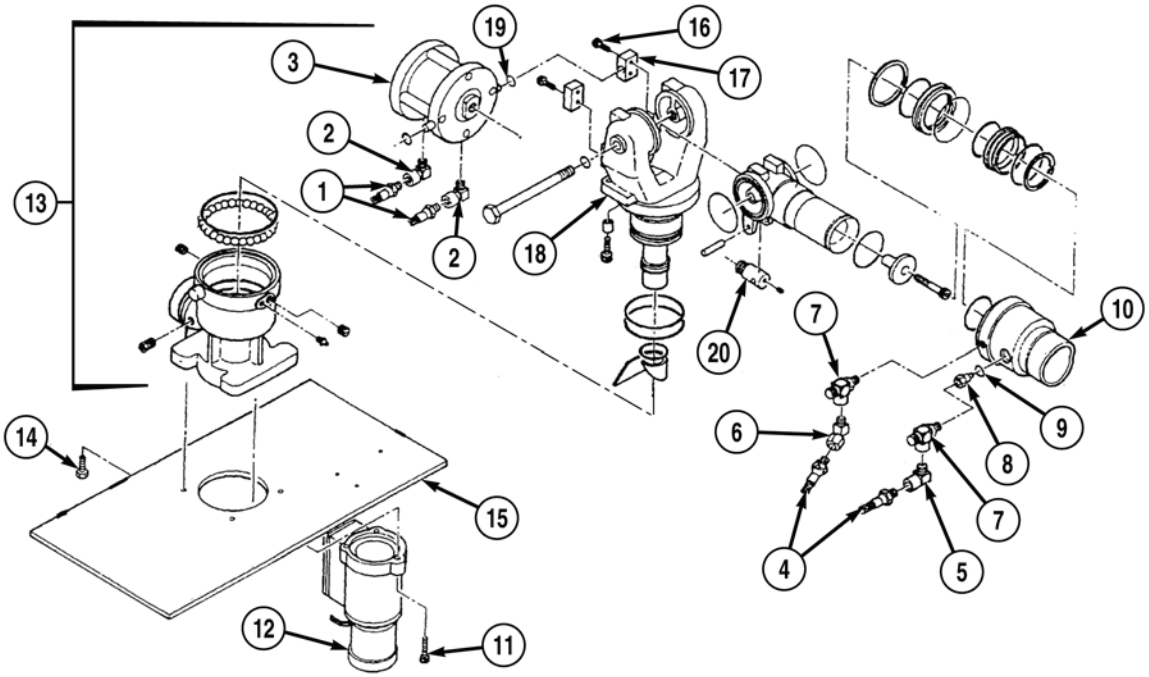


4. Install baffle (38) on tee (23) with screw (37).

NOTE

Position preformed packing as noted prior to removal to ensure proper installation.

5. Install two preformed packings (36) and (35) on piston (34).
6. Install piston (34) on tee (23).
7. Install two preformed packings (33) and (32) on piston (31).
8. Install piston (31) on tee (23).
9. Install retaining ring (30) on tee (23).
10. Install preformed packing (29) on tee (23).
11. Install preformed packing (28) on pattern sleeve (10).
12. Install pattern sleeve (10) on tee (23) with retaining ring (27).
13. Install cylinder eye (20) on tee (23) with pin (26).
14. Install set screw (25) on cylinder eye (20).
15. Install two preformed packings (24) on tee (23).



16. Install tee (23) on reducer (18) with preformed packing (22) and screw (21).
17. Install air cylinder (3) on cylinder eye (20).
18. Install two preformed packings (19) and cylinder pivots (17) on air cylinder (3).
19. Install two cylinder pivots (17) on reducer (18) with four screws (16).
20. Install turret (13) on mounting plate (15) with four screws (14).
21. Install turret motor (12) on turret (13) with three screws (11).

NOTE

Position elbows and fittings as noted prior to removal to ensure proper installation.

22. Install preformed packing (9), connector (8), two control valves (7), fitting (6), elbow (5), and two hoses (4) on pattern sleeve (10).
23. Install two elbows (2) and hoses (1) on air cylinder (3).

END OF TASK

FOLLOW-ON MAINTENANCE

Install bumper turret (WP 0569)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

BUMPER TURRET JUNCTION BOX REPLACEMENT

INITIAL SETUP:

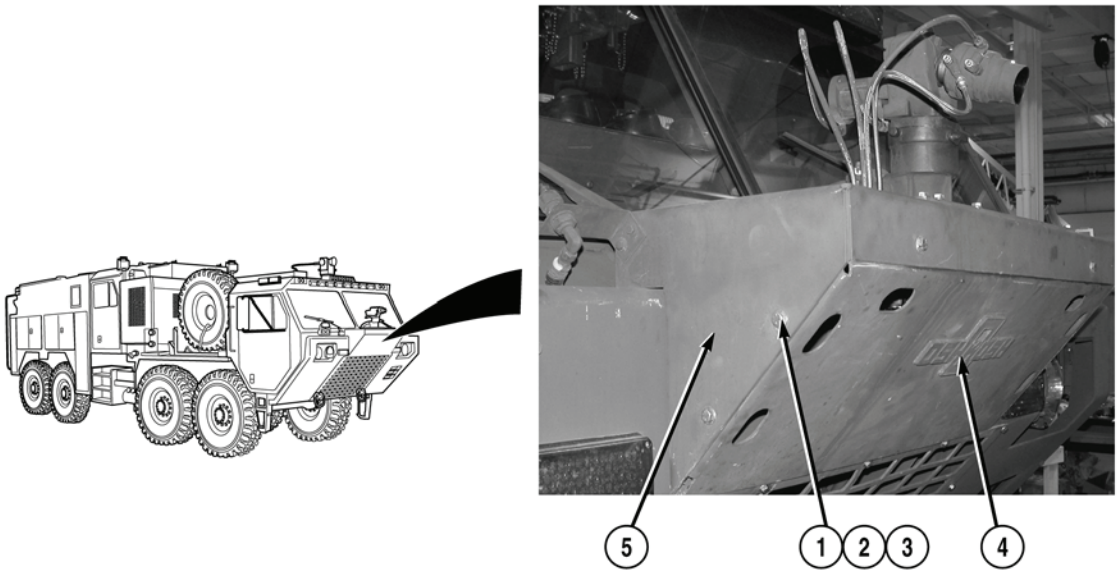
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Tags, Identification (WP 0625, Item 51)
Locknut (6)
Lockwasher (4)

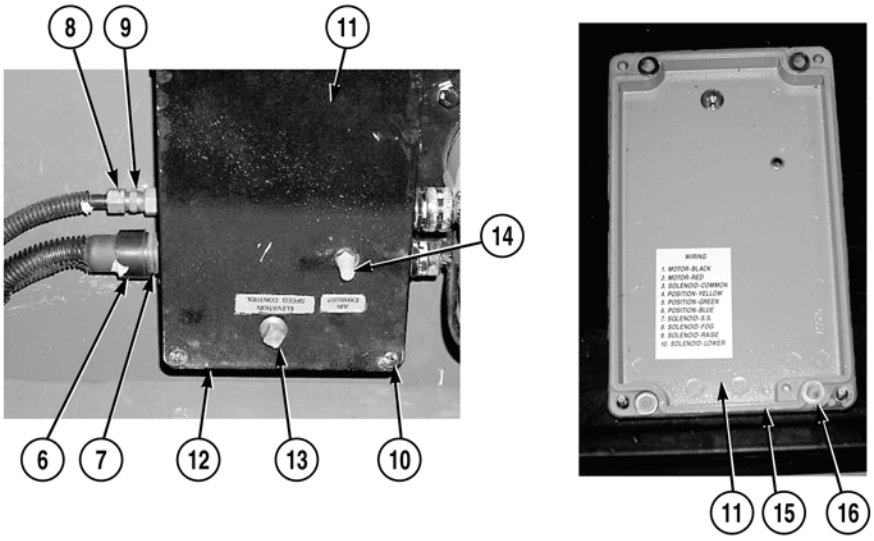
Reference
WP 0615, Fig. 168

Equipment Conditions
Water pump engine OFF (WP 0022)
Batteries disconnected (TM 9-2320-325-14&P)

REMOVAL



1. Remove six locknuts (1), 12 washers (2), six screws (3), and cover (4) from turret bumper mount (5). Discard locknuts.

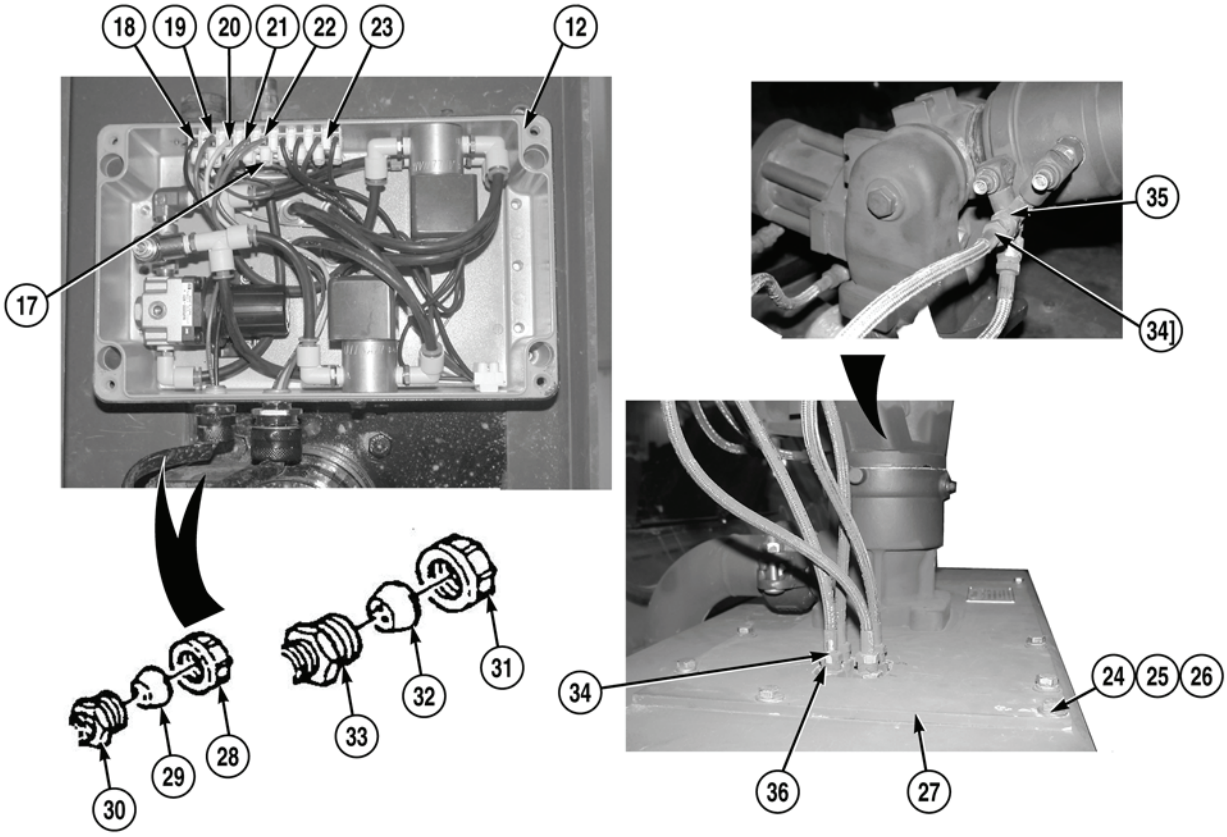


2. Remove wiring harness (6) from bulkhead connector (7).

NOTE

Tag and mark air lines prior to removal to ensure proper installation.

3. Remove air line (8) from fitting (9).
4. Remove four screws (10) and junction box cover (11) from junction box (12).
5. Remove plug (13) and muffler (14) from junction box cover (11).
6. Remove seal (15) and four washers (16) from junction box cover (11).



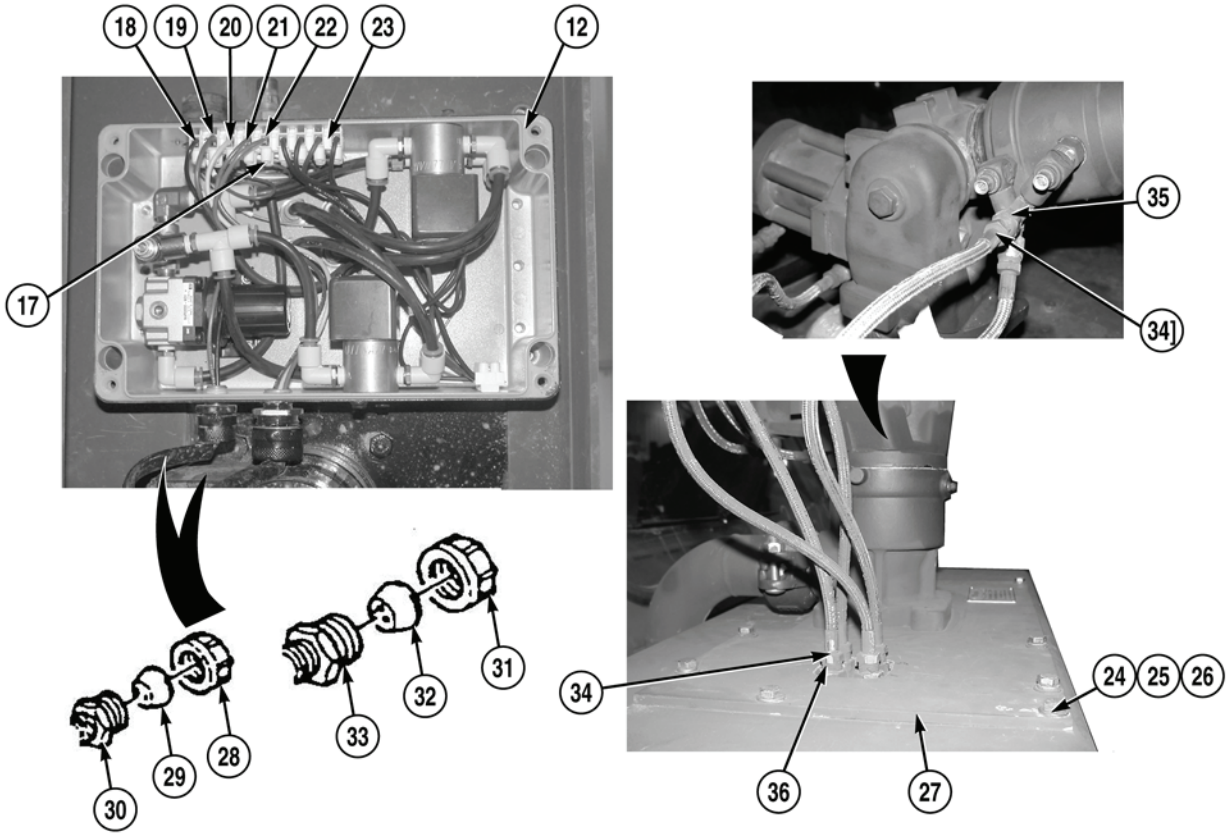
NOTE

Tag and mark wires prior to removal to ensure proper installation.

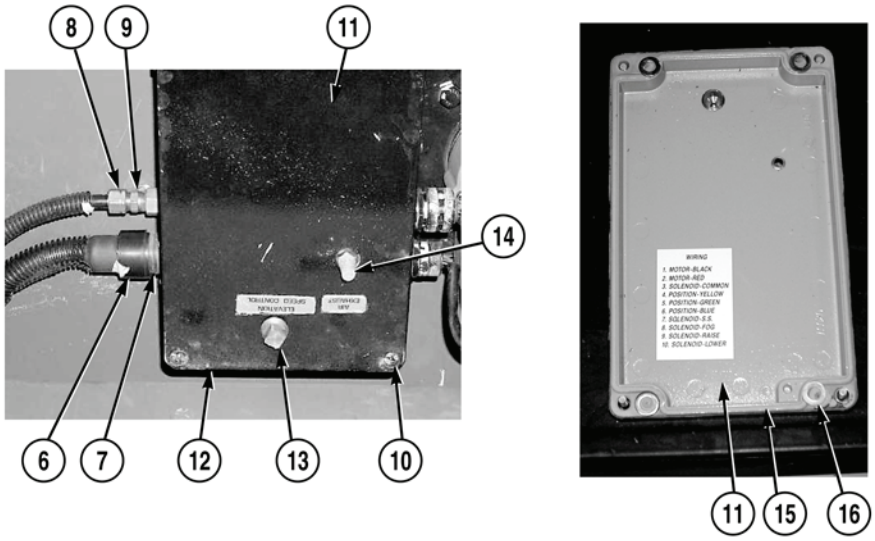
7. Remove five screws (17) and five wires (18), (19), (20), (21), and (22) from terminal block (23).
8. Remove four screws (24), lockwashers (25), washers (26), and junction box (12) from turret bumper mount plate (27). Discard lockwashers.
9. Remove collar (28), bushing (29), and two wires (18) and (19) from fitting (30).
10. Remove bushing (29) and collar (28) from two wires (18) and (19).
11. Remove collar (31), bushing (32), and three wires (20), (21), and (22) from fitting (33).
12. Remove bushing (32) and collar (31) from three wires (20), (21), and (22).
13. Remove four air lines (34) from elbows (35).
14. Remove four air lines (34) from fittings (36).

END OF TASK

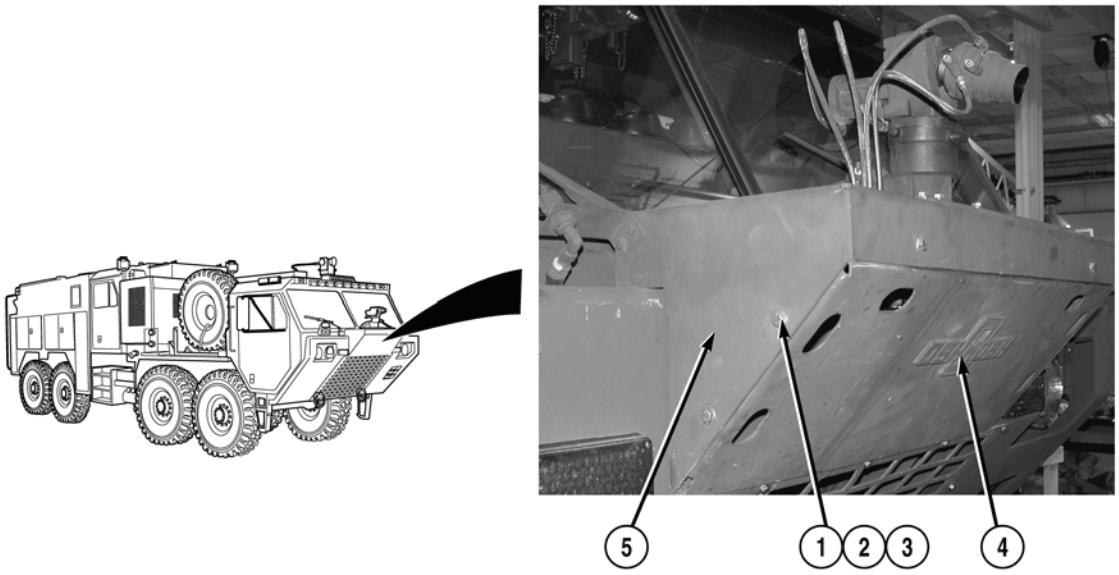
INSTALLATION



1. Install four air lines (34) on elbows (35).
2. Install four air lines (34) on four fittings (36).
3. Install collar (31) and bushing (32) on three wires (22), (21), and (20).
4. Install three wires (22), (21), and (20), bushing (32), and collar (31) on fitting (33).
5. Install collar (28) and bushing (29) on two wires (18) and (19).
6. Install two wires (18) and (19), bushing (29), and collar (28) on fitting (30).
7. Install junction box (12) on turret bumper mount plate (27) with four washers (26), lockwashers (25), and screws (24).
8. Install five wires (22), (21), (20), (19), and (18) on terminal block (23) with five screws (17).



9. Install four washers (16) and seal (15) on junction box cover (11).
10. Install muffler (14) and plug (13) on junction box cover (11).
11. Install junction box cover (11) on junction box (12) with four screws (10).
12. Install air line (8) on fitting (9).
13. Install wiring harness (6) on bulkhead connector (7).



14. Install cover (4) on turret bumper mount (5) with six screws (3), 12 washers (2), and six locknuts (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Connect batteries (TM 9-2320-325-14&P)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

BUMPER TURRET JUNCTION BOX REPAIR

INITIAL SETUP:

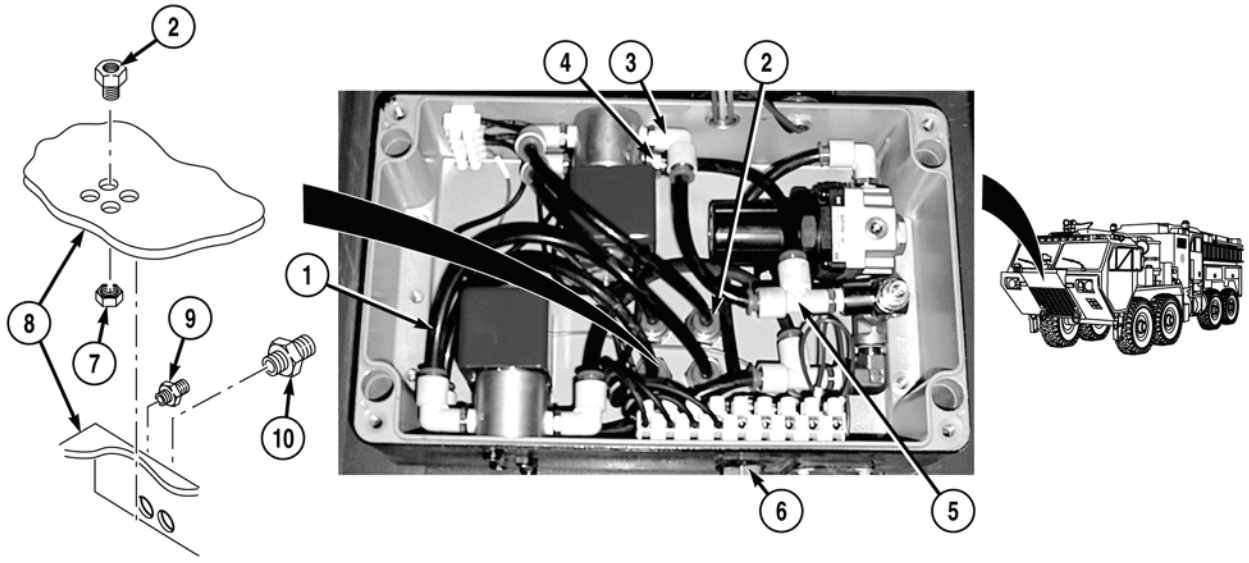
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Tags, Identification (WP 0625, Item 51)
Tape, Teflon (WP 0625, Item 57)

References
WP 0615, Fig. 168

Equipment Conditions
Bumper turret junction box removed (WP 0572)

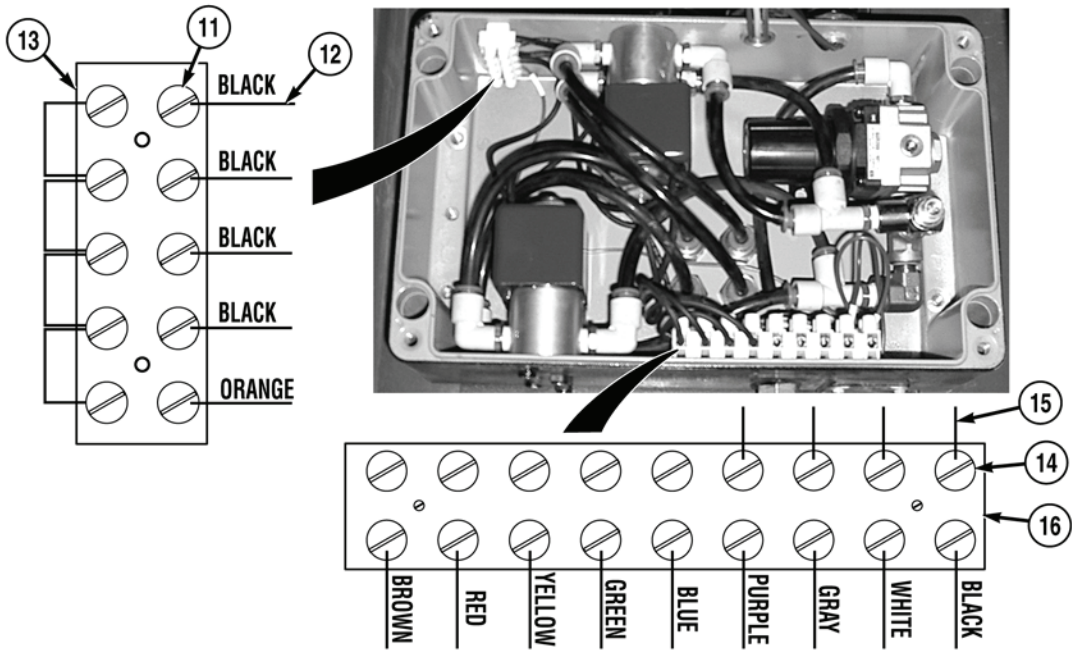
DISASSEMBLY



NOTE

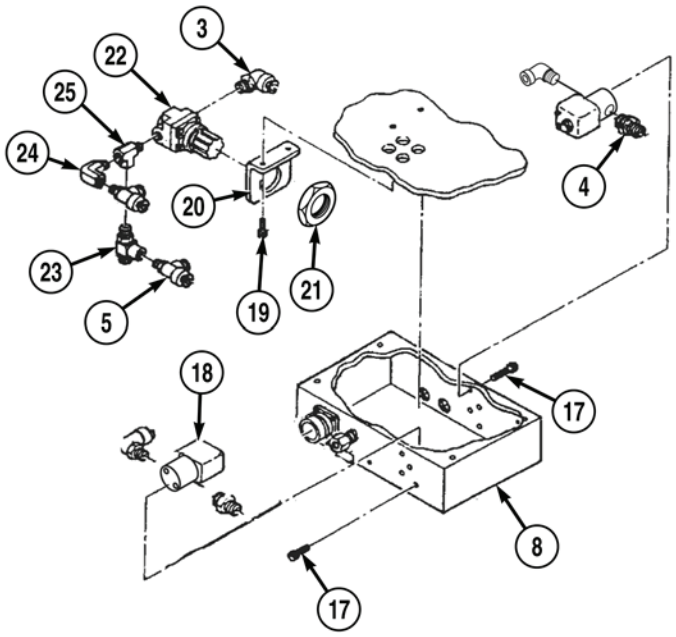
Tag and mark air lines prior to removal to ensure proper installation.

1. Remove nine air lines (1) from four fittings (2), seven elbows (3), two fittings (4), two tees (5), and fitting (6).
2. Remove four nuts (7) and fittings (2) from junction box (8).
3. Remove fitting (9) from junction box (8).
4. Remove fitting (10) from junction box (8).



5. Loosen five screws (11) and remove five wires (12) from terminal block (13).

6. Loosen four screws (14) and remove four wires (15) from terminal block (16).



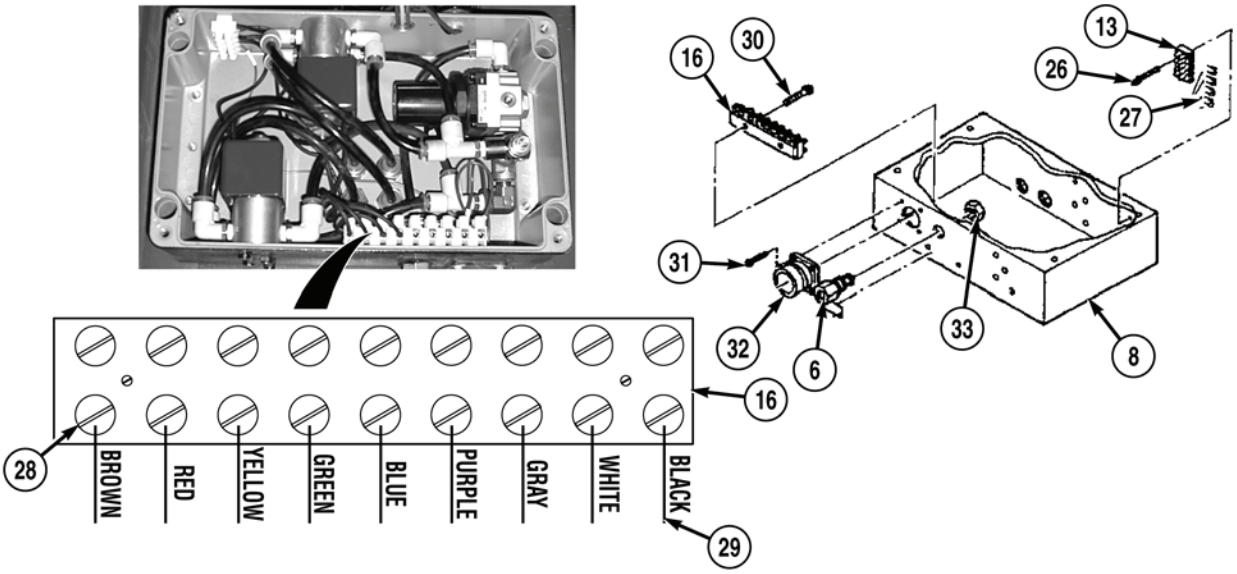
NOTE

Note position of solenoid valves, control valve, air regulator, elbows, and fittings prior to removal to ensure proper installation.

7. Remove eight screws (17) and four solenoid valves (18) from junction box (8).

8. Remove two screws (19) and regulator bracket (20) from junction box (8).

9. Remove nut (21) and air regulator (22) from regulator bracket (20).
10. Remove seven elbows (3) and two fittings (4) from four solenoid valves (18) and air regulator (22).
11. Remove two tees (5), control valve (23), elbow (24), and tee (25) from air regulator (22).



12. Remove two screws (26) and terminal block (13) from junction box (8).
13. Remove four jumpers (27) from terminal block (13).

NOTE

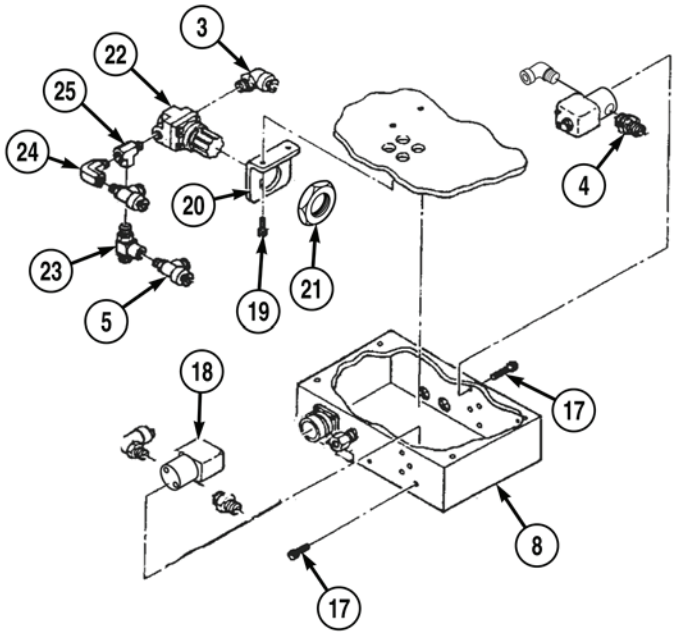
Tag and mark wires prior to removal to ensure proper installation.

14. Loosen nine screws (28) and remove nine wires (29) from terminal block (16).
15. Remove two screws (30) and terminal block (16) from junction box (8).
16. Remove four screws (31) and bulkhead connector (32) from junction box (8).
17. Remove nut (33) and fitting (6) from junction box (8).

END OF TASK

ASSEMBLY

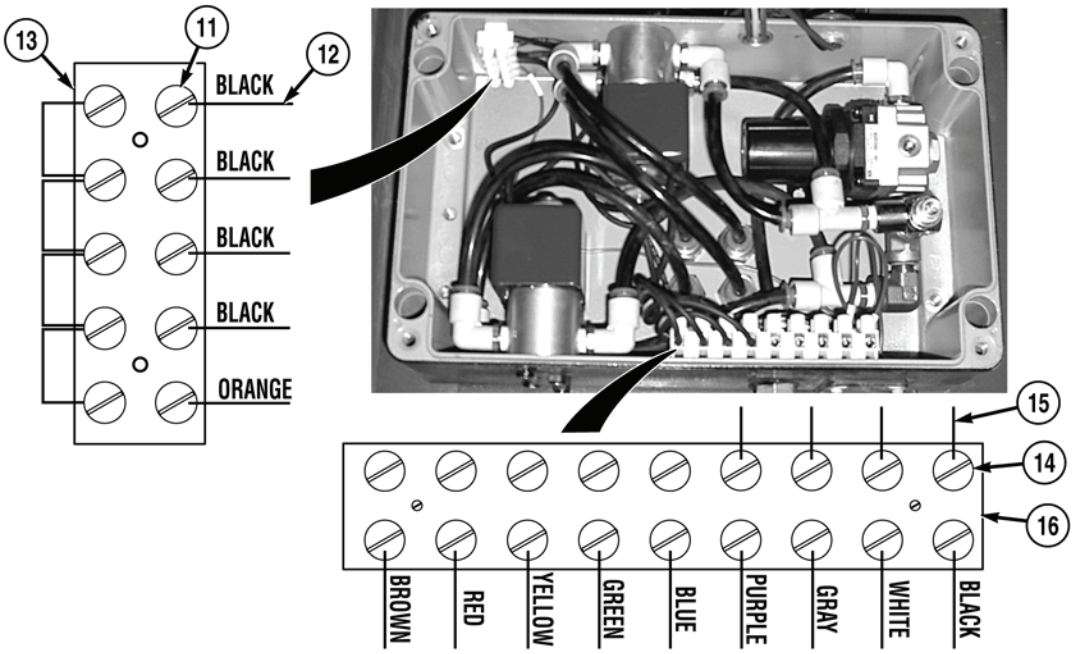
1. Install fitting (6) on junction box (8) with nut (33).
2. Install bulkhead connector (32) on junction box (8) with four screws (31).
3. Install terminal block (16) on junction box (8) with two screws (30).
4. Install nine wires (29) on terminal block (16) with nine screws (28).
5. Install four jumpers (27) on terminal block (13).
6. Install terminal block (13) on junction box (8) with two screws (26).



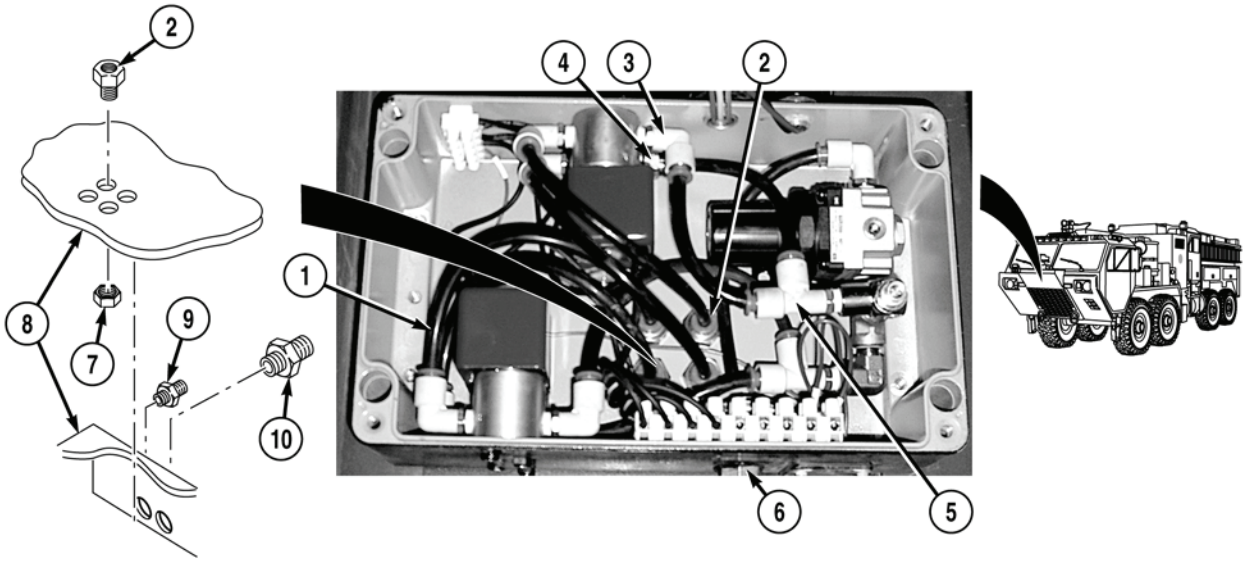
NOTE

Position solenoid valves, control valve, air regulator, elbows, and fittings as noted prior to removal.

7. Apply Teflon tape to threads of seven elbows (3), two tees (5), and fittings (4).
8. Install tee (25), elbow (24), control valve (23), and two tees (5) on air regulator (22).
9. Install two fittings (4) and seven elbows (3) on four solenoid valves (18) and air regulator (22).
10. Install air regulator (22) on air regulator bracket (20) with nut (21).
11. Install regulator bracket (20) on junction box (8) with two screws (19).
12. Install four solenoid valves (18) on junction box (8) with eight screws (17).



13. Install four wires (15) on terminal block (16) with four screws (14).
14. Install five wires (12) on terminal block (13) with five screws (11).



15. Install fitting (10) on junction box (8).
16. Install fitting (9) on junction box (8).
17. Install four fittings (2) on junction box (8) with four nuts (7).
18. Install nine air lines (1) on fitting (6), two tees (5), fittings (4), seven elbows (3), and four fittings (2).

END OF TASK

FOLLOW-ON MAINTENANCE

Install bumper turret junction box (WP 0572)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

FOAM COVER AND WATER TANK VENT REPLACEMENT

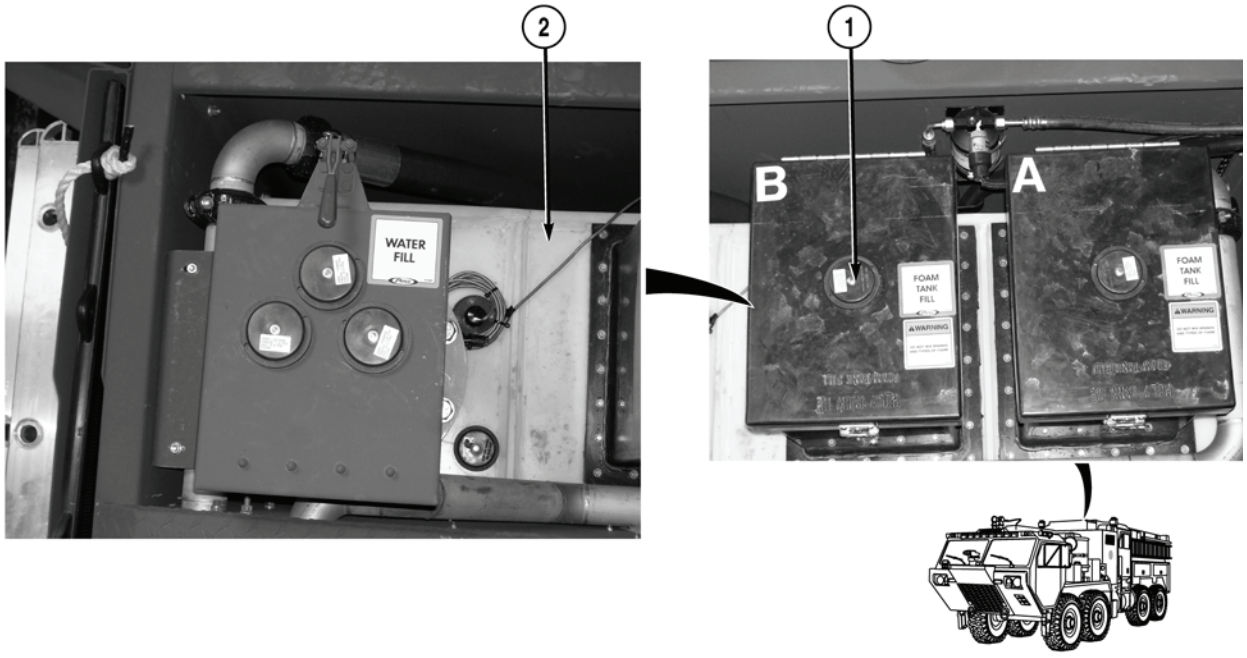
INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

References
WP 0615, Fig. 51

Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (TM 9-2320-347-10)
Wheels chocked (TM 9-2320-347-10)

REMOVAL



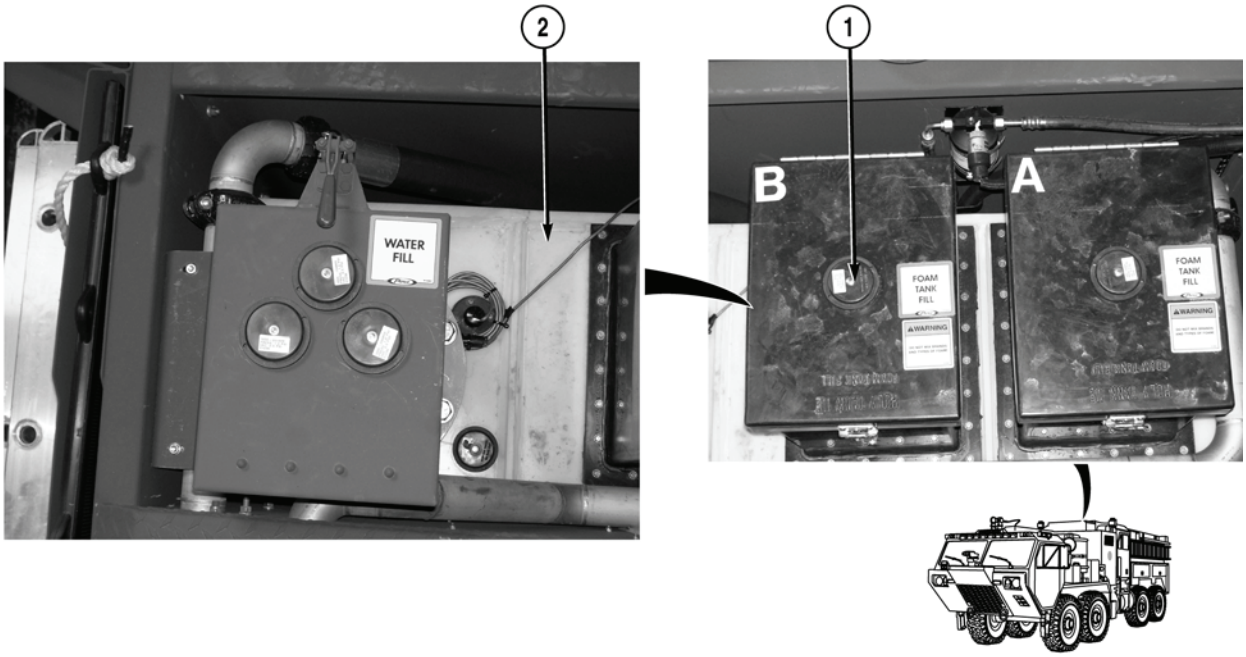
NOTE

- Foam cover and water tank vents are removed the same way. Foam cover vent on foam tank fill B shown.
- Foam cover and water tank vents are threaded into foam covers, water tank fill cover, and water tank.

Remove foam cover tank vent (1) from foam tank fill B (2).

END OF TASK

INSTALLATION



NOTE

Foam cover and water tank vents are installed the same way. Foam cover vent on foam tank fill B shown.

Install foam cover tank vent (1) on foam tank fill B (2).

END OF TASK

FOLLOW-ON MAINTENANCE

Remove wheel chocks (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

GROUND SWEEPS REPLACEMENT

INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

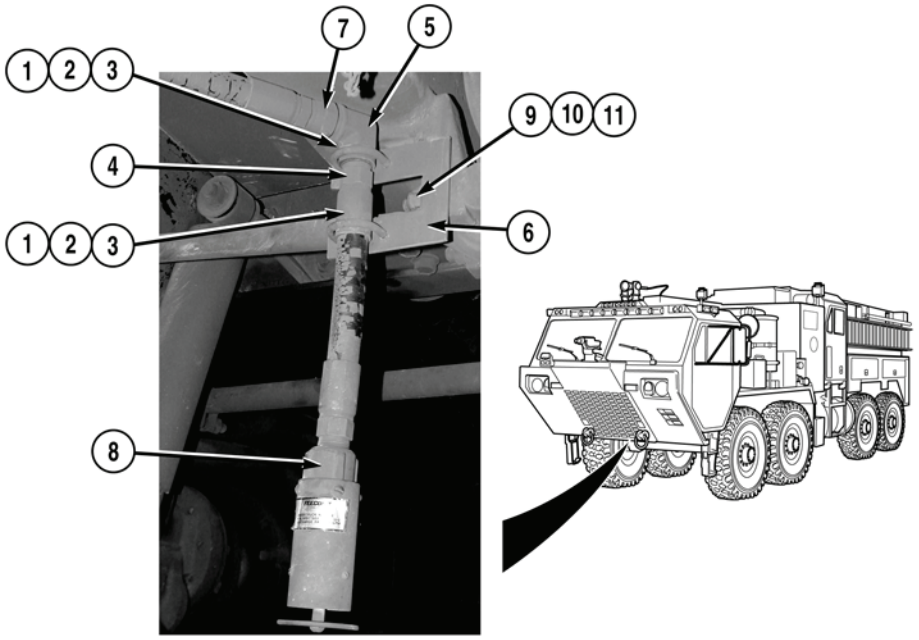
Materials/Parts
Compound, Sealing, Pipe Thread (WP 0625, Item 21)
Oil, Lubricating (WP 0625, Item 34)
Seal, Sentry, Blue (WP 0625, Item 44)
Lockwasher (4)
Locknut (1)
Lockwasher (4)
Locknut (1)

Materials/Parts (continued)
Lockwasher (4)
Locknut (2)
Lockwasher (4)
Lockwasher (2)

References
WP 0615, Fig. 169

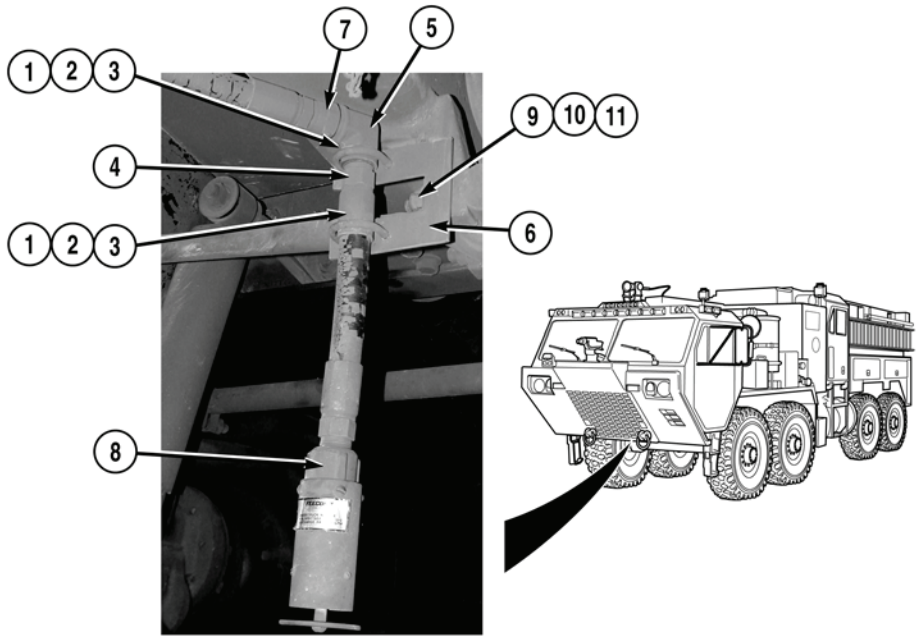
Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (TM 9-2320-347-10)
Wheels chocked (TM 9-2320-347-10)

FRONT GROUND SWEEPS REMOVAL



1. Remove four nuts (1), lockwashers (2), two U-bolts (3), hose (4), and elbow (5) from mounting bracket (6). Discard lockwashers.
2. Remove hose (7) from elbow (5).
3. Remove elbow (5) from hose (4).
4. Remove ground sweeps (8) from hose (4).
5. Remove locknut (9), washer (10), and mounting bracket (6) from screw (11). Discard locknut.

FRONT GROUND SWEEPS INSTALLATION



1. Lubricate threads of screw (11) with oil. Install mounting bracket (6) on screw (11) with washer (10) and locknut (9). Tighten locknut to 95 to 130 lb-ft (129 to 176 N•m).

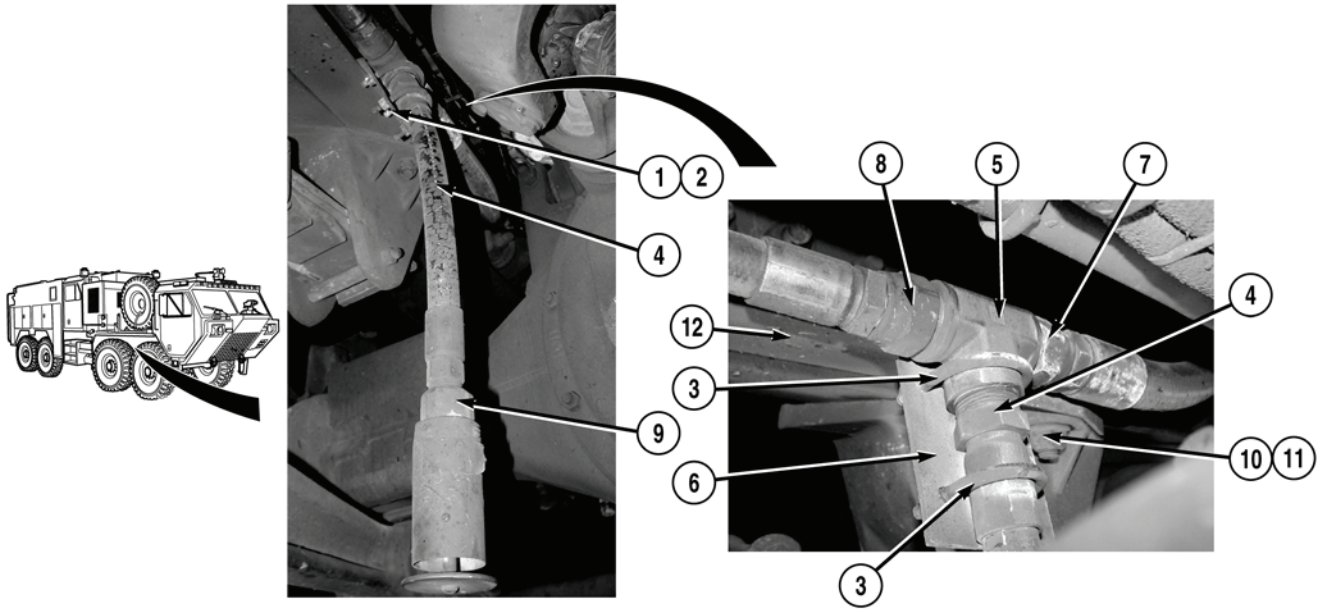
WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

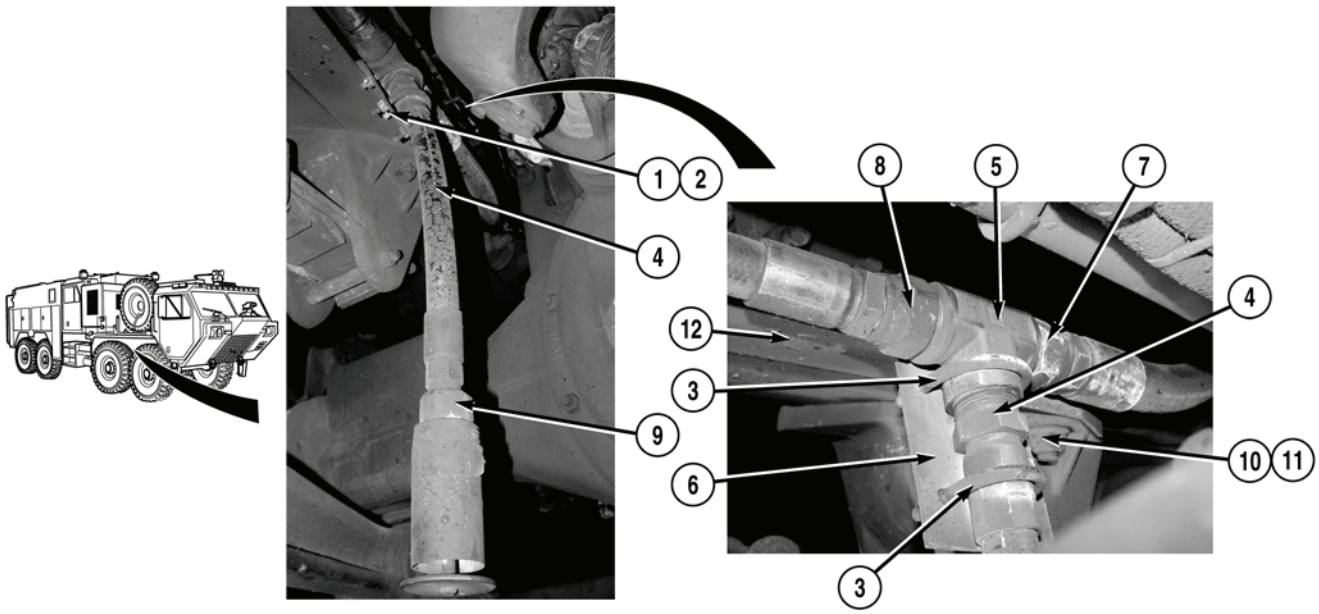
2. Apply sealant to locknut (9) to mark torque point.
3. Apply sealing compound to threads of hose (4).
4. Install ground sweeps (8) on hose (4).
5. Install elbow (5) on hose (4).
6. Install hose (7) on elbow (5).
7. Install hose (4) and elbow (5) on mounting bracket (6) with two U-bolts (3), four lockwashers (2), and nuts (1).

MIDDLE FRONT GROUND SWEEPS REMOVAL



1. Remove four nuts (1), lockwashers (2), two U-bolts (3), hose (4), and tee (5) from mounting bracket (6). Discard lockwashers.
2. Remove hose (7) from tee (5).
3. Remove hose (8) from tee (5).
4. Remove tee (5) from hose (4).
5. Remove ground sweeps (9) from hose (4).
6. Remove locknut (10), screw (11), and mounting bracket (6) from frame rail (12). Discard locknut.

MIDDLE FRONT GROUND SWEEPS INSTALLATION



1. Install mounting bracket (6) on frame rail (12) with screw (11) and locknut (10).

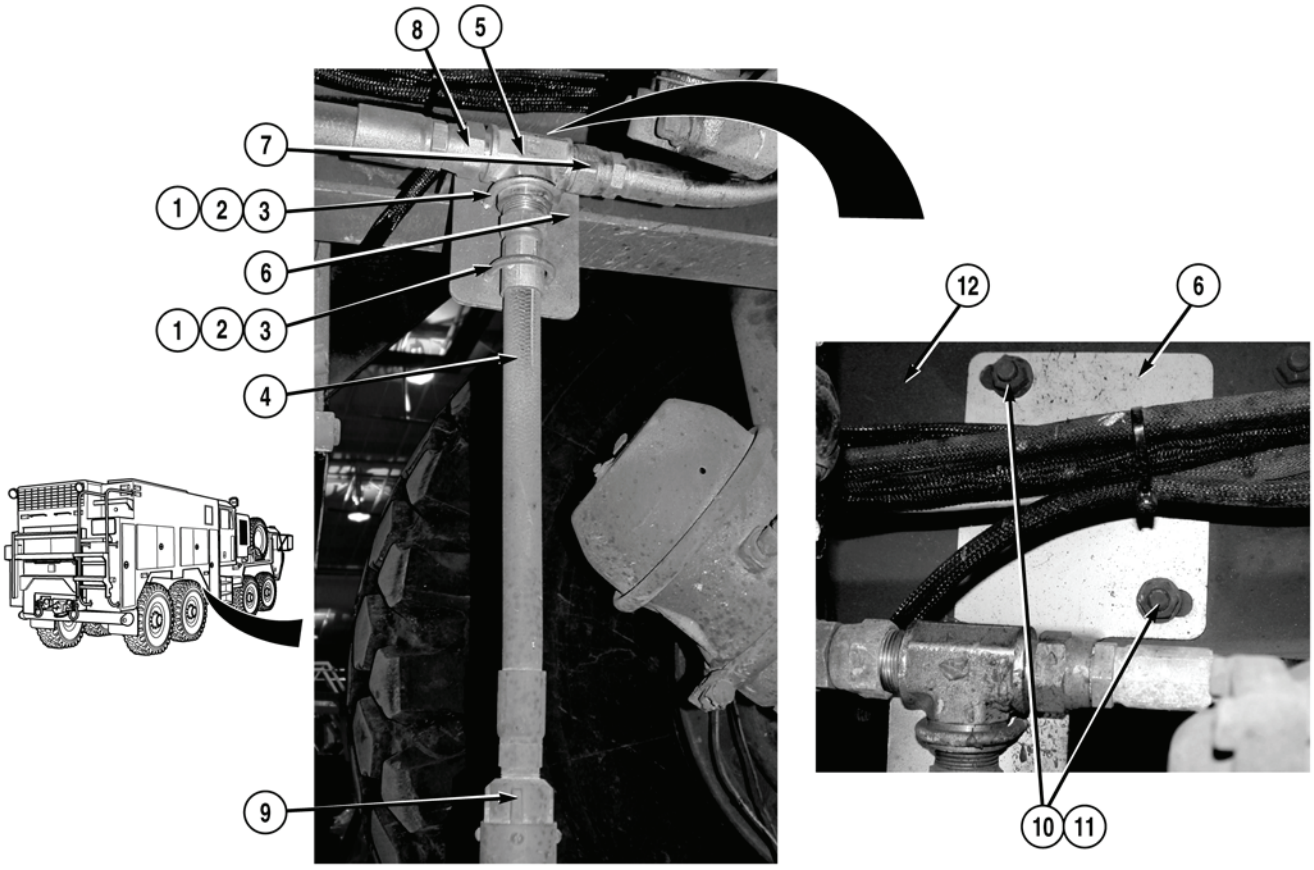
WARNING



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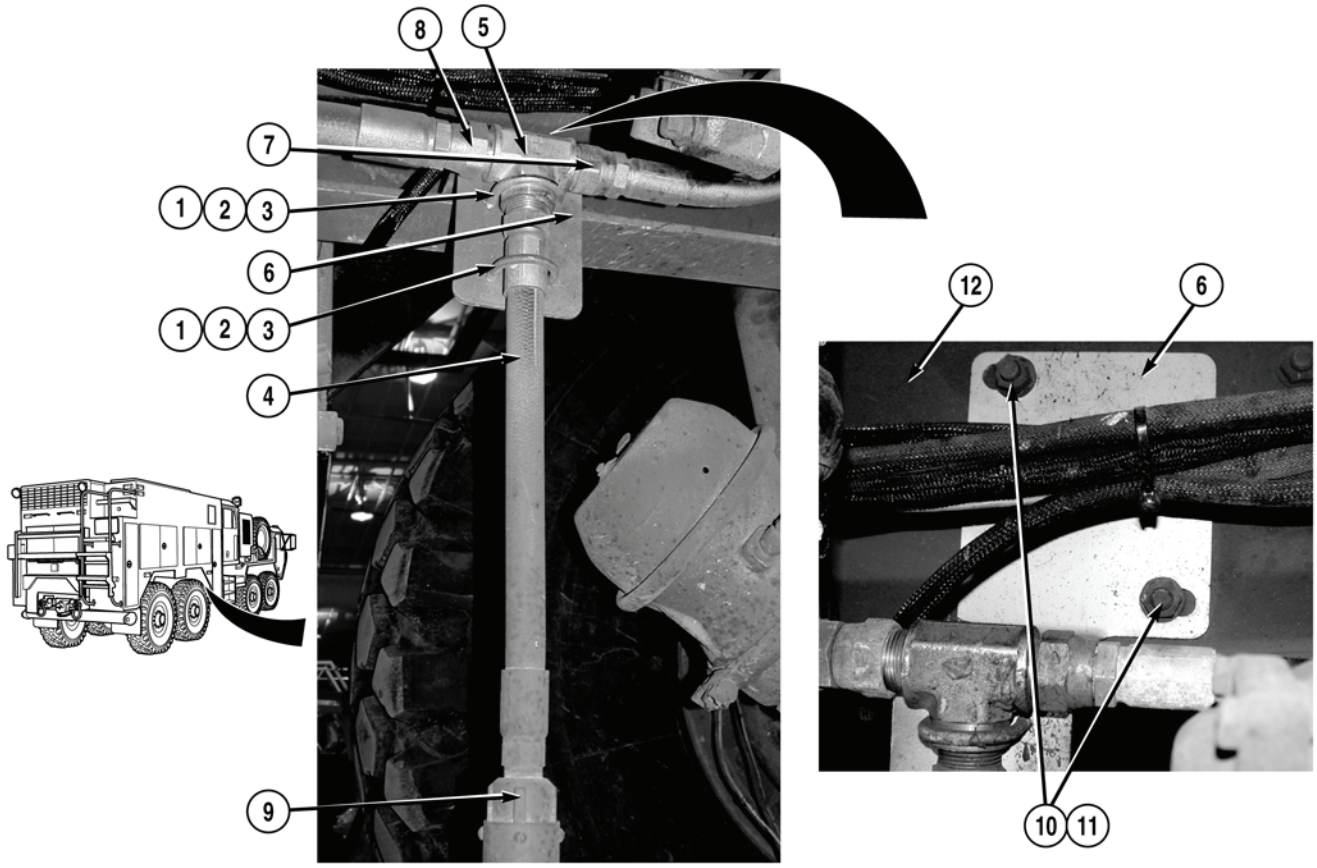
2. Apply sealing compound to threads of hose (4).
3. Install ground sweeps (9) on hose (4).
4. Install tee (5) on hose (4).
5. Install hose (8) on tee (5).
6. Install hose (7) on tee (5).
7. Install hose (4) and tee (5) on mounting bracket (6) with two U-bolts (3), four lockwashers (2), and nuts (1).

MIDDLE BACK GROUND SWEEPS REMOVAL



1. Remove four nuts (1), lockwashers (2), two U-bolts (3), hose (4), and tee (5) from mounting bracket (6). Discard lockwashers.
2. Remove hose (7) from tee (5).
3. Remove hose (8) from tee (5).
4. Remove tee (5) from hose (4).
5. Remove ground sweeps (9) from hose (4).
6. Remove two locknuts (10), screws (11), and mounting bracket (6) from frame rail (12). Discard locknuts.

MIDDLE BACK GROUND SWEEPS INSTALLATION



1. Install mounting bracket (6) on frame rail (12) with two screws (11) and locknuts (10).

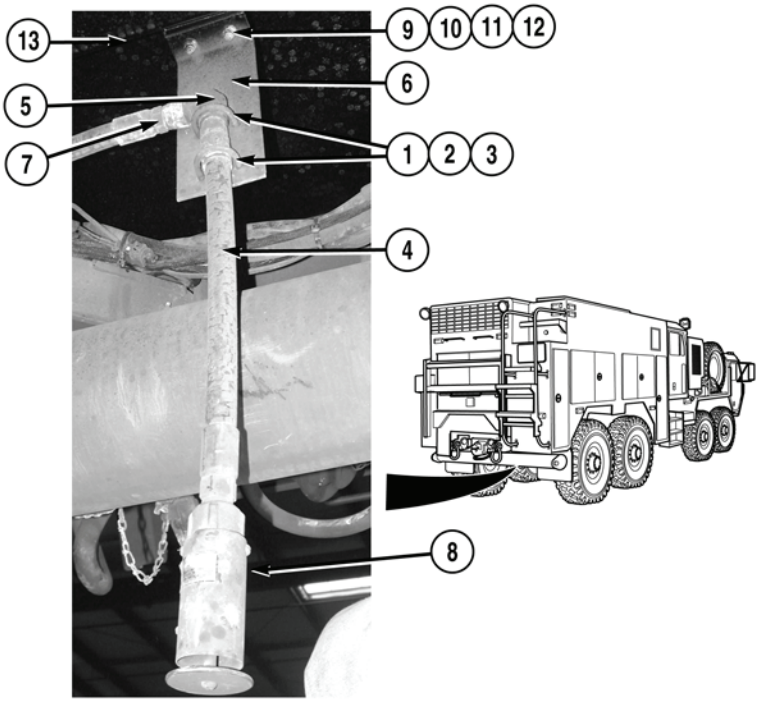
WARNING



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2. Apply sealing compound to threads of hose (4).
3. Install ground sweeps (9) on hose (4).
4. Install tee (5) on hose (4).
5. Install hose (8) on tee (5).
6. Install hose (7) on tee (5).
7. Install hose (4) and tee (5) on mounting bracket (6) with two U-bolts (3), four lockwashers (2), and nuts (1).

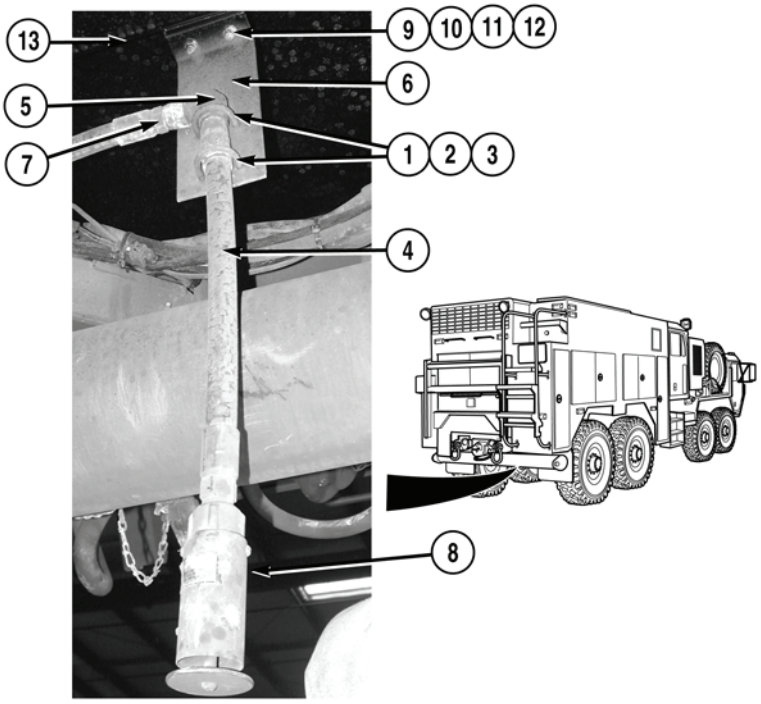
BACK GROUND SWEEPS REMOVAL



1. Remove four nuts (1), lockwashers (2), two U-bolts (3), hose (4), and elbow (5) from mounting bracket (6). Discard lockwashers.
2. Remove hose (7) from elbow (5).
3. Remove elbow (5) from hose (4).
4. Remove ground sweeps (8) from hose (4).
5. Remove two nuts (9), lockwashers (10), four washers (11), two screws (12), and mounting bracket (6) from rear crossmember (13). Discard lockwashers.

BACK GROUND SWEEPS INSTALLATION

1. Install mounting bracket (6) on rear crossmember (13) with two screws (12), four washers (11), two lockwashers (10), and nuts (9).



WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

2. Apply sealing compound to threads of hose (4).
3. Install ground sweeps (8) on hose (4).
4. Install elbow (5) on hose (4).
5. Install hose (7) on elbow (5).
6. Install elbow (5) and hose (4) on mounting bracket (6) with two U-bolts (3), four lockwashers (2), and nuts (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Remove wheel chocks (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

GROUND SWEEPS VALVE REPLACEMENT

INITIAL SETUP:

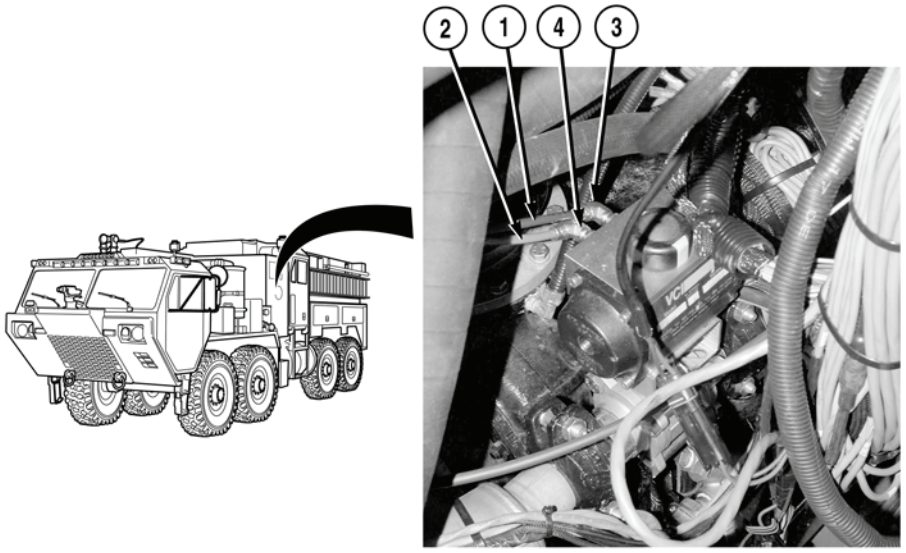
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Compound, Sealing, Pipe Thread (WP 0625, Item 21)
Tags, Identification (WP 0625, Item 51)

References
WP 0483
WP 0615, Fig. 169

Equipment Conditions
Air system drained (TM 9-2320-347-10)
Water system drained (WP 0041)
Water pump engine air cleaner assembly removed (WP 0220)
Pump house panel Q removed (WP 0540)

REMOVAL



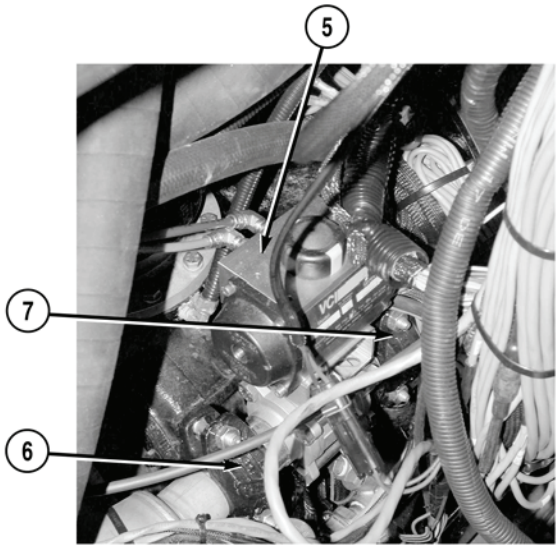
⚠ CAUTION

Air lines may be removed directly from elbows and fittings, or may remain attached to elbows and fittings and removed as an assembly. If air lines are removed from elbows and fittings, care must be taken not to damage air line. If sealing surface of air line is damaged air line must be repaired or replaced.

NOTE

- Tag and mark air lines prior to removal to ensure proper installation.
- Valve shown has air lines remaining attached to elbows.

1. Remove two air lines (1) and (2) and elbows (3) and (4) from ground sweeps valve (5).



NOTE

Coupling (7) is removed from crew cab.

2. Remove two couplings (6) and (7) and ground sweeps valve (5) from vehicle (WP 0483).

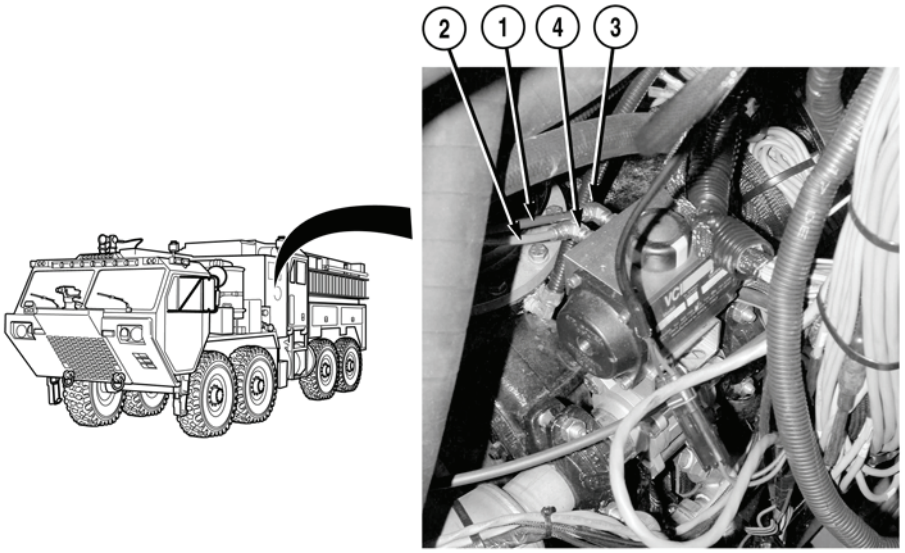
END OF TASK

INSTALLATION

NOTE

Coupling (7) is installed on crew cab.

1. Install two couplings (7) and (6) and ground sweeps valve (5) on vehicle (WP 0483).



WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

2. Apply sealing compound to two elbows (3) and (4).
3. Install two air lines (2) and (1) and elbows (4) and (3) on ground sweeps valve (5).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Install pump house panel Q (WP 0540)
2. Install water pump engine air cleaner assembly (WP 0220)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

PRE-CONNECTS REPLACEMENT

INITIAL SETUP:

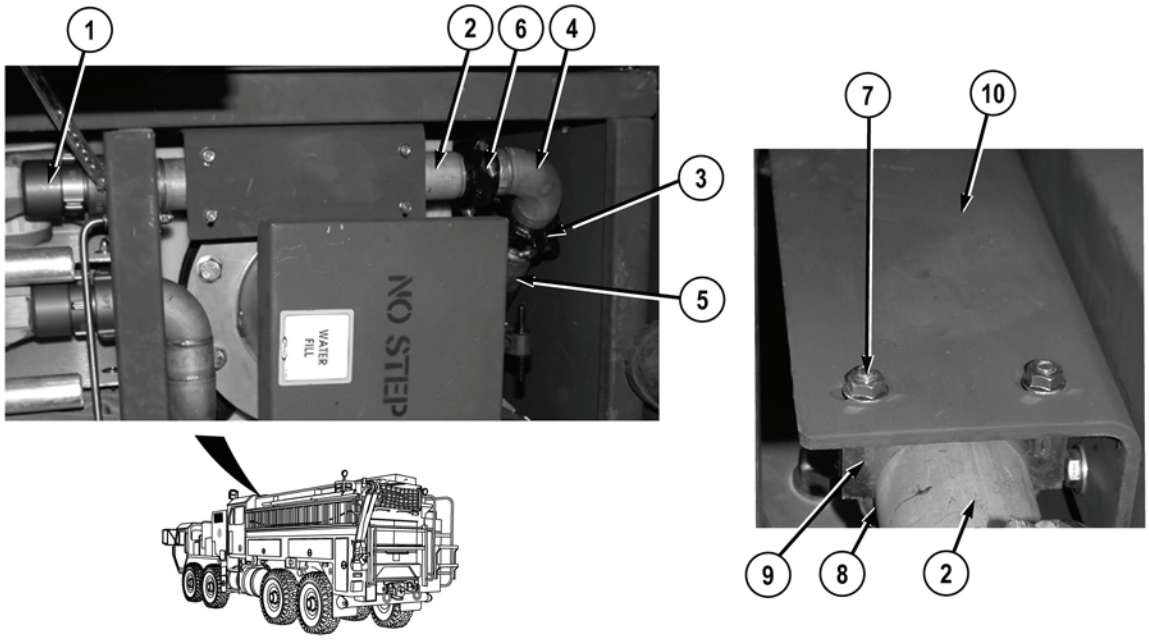
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive
(WP 0622, Item 27)

Materials/Parts
Locknut (4)
Lockwasher (4)
Lockwasher (4)

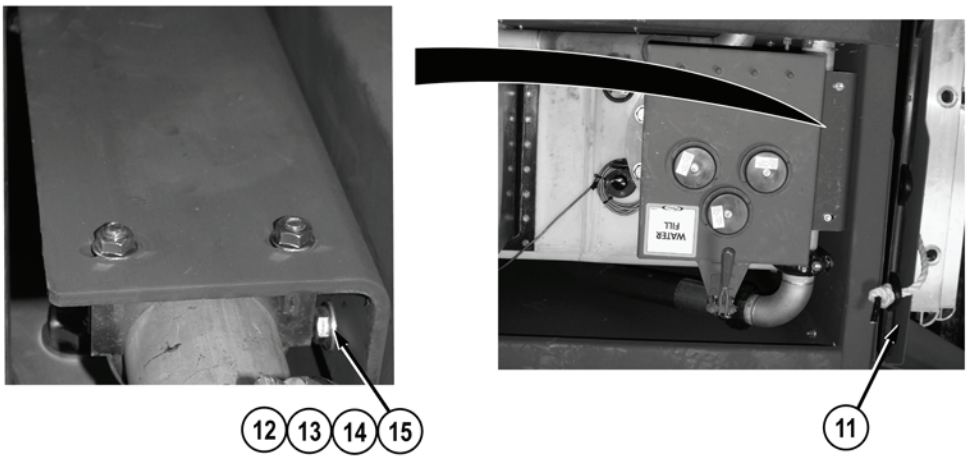
References
WP 0483
WP 0497
WP 0615, Fig. 51

Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (TM 9-2320-347-10)
Wheels chocked (TM 9-2320-347-10)
Hose bed covers opened (WP 0015)

DRIVER SIDE PRE-CONNECT A REMOVAL



1. Remove pre-connect hose (1) from driver side pre-connect A (2).
2. Remove coupling (3) from elbow (4) and hose (5) (WP 0483).
3. Remove coupling (6) and elbow (4) from driver side pre-connect A (2) (WP 0483).
4. Remove four locknuts (7), two U-bolts (8), driver side pre-connect A (2), and two cradles (9) from bracket (10). Discard locknuts.



NOTE

Perform Steps (5) and (6) if bracket needs to be removed.

5. Remove front air lift bag stowage box (11) (WP 0497).
6. Remove four nuts (12), lockwashers (13), eight washers (14), four screws (15), and bracket (10) from vehicle. Discard lockwashers.

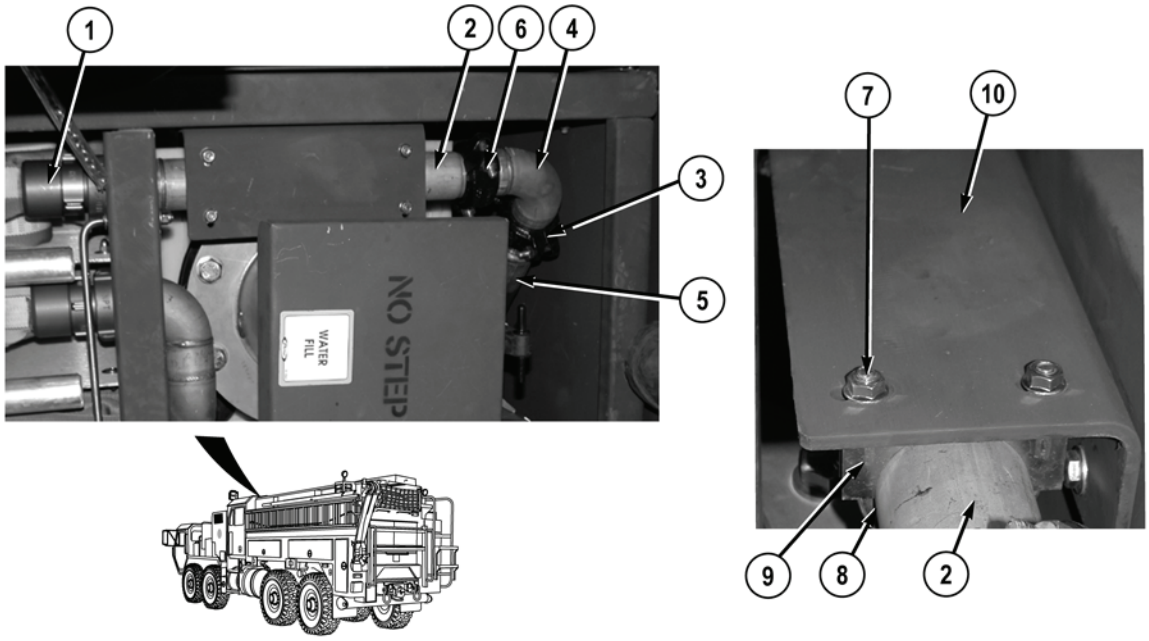
END OF TASK

DRIVER SIDE PRE-CONNECT A INSTALLATION

NOTE

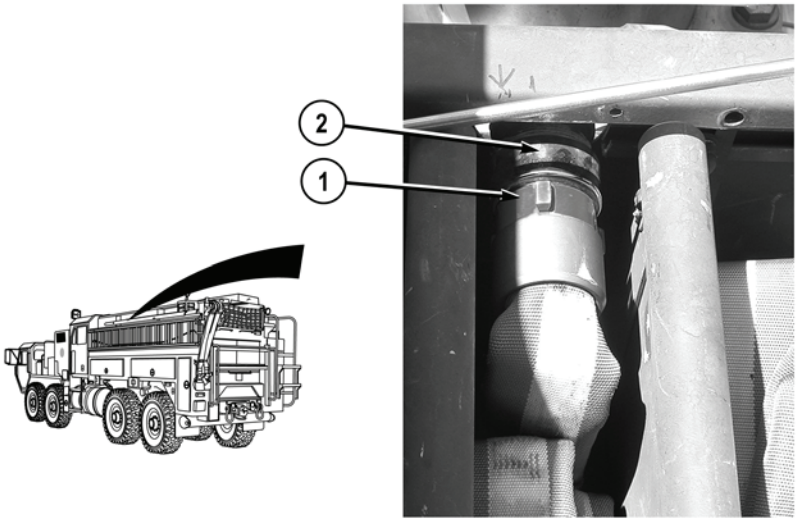
Perform Steps (1) and (2) if bracket was removed.

1. Install bracket (10) on vehicle with four screws (15), eight washers (14), four lockwashers (13), and nuts (12).
2. Install front air lift bag stowage box (11) (WP 0497).

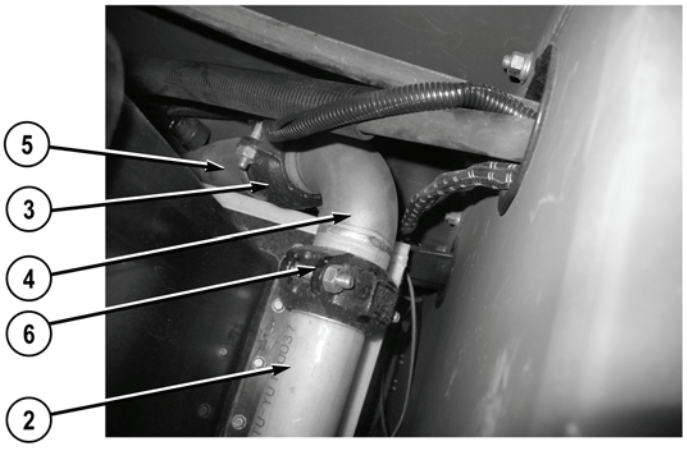


3. Install two cradles (9) and driver side pre-connect A (2) on bracket (10) with two U-bolts (8) and four locknuts (7).
4. Install coupling (6) and elbow (4) on driver side pre-connect A (2) (WP 0483).
5. Install coupling (3) on elbow (4) and hose (5) (WP 0483).
6. Install pre-connect hose (1) on driver side pre-connect A (2).

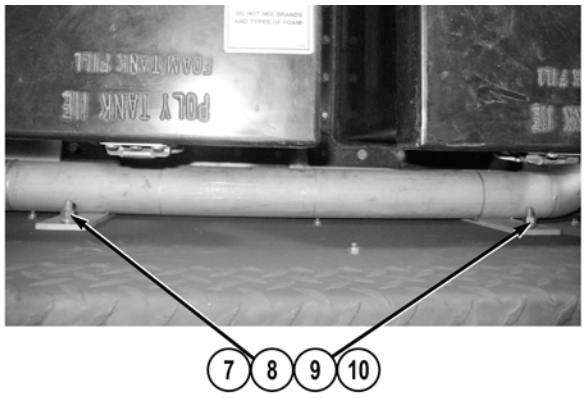
DRIVER SIDE PRE-CONNECT B REMOVAL



1. Remove pre-connect hose (1) from driver side pre-connect B (2).



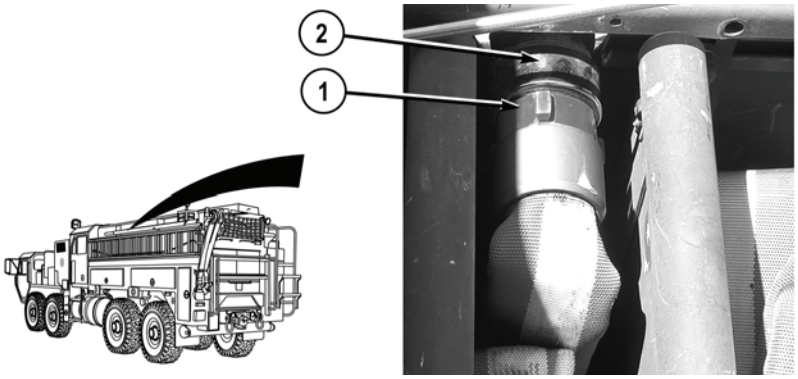
2. Remove coupling (3) from elbow (4) and hose (5) (WP 0483).
3. Remove coupling (6) and elbow (4) from driver side pre-connect B (2) (WP 0483).



4. Remove four nuts (7), lockwashers (8), eight washers (9), four screws (10), and driver side pre-connect B (2) from vehicle. Discard lockwashers.

DRIVER SIDE PRE-CONNECT B INSTALLATION

1. Install driver side pre-connect B (2) on vehicle with four screws (10), eight washers (9), four lockwashers (8), and nuts (7).
2. Install coupling (6) and elbow (4) on driver side pre-connect B (2) (WP 0483).
3. Install coupling (3) on elbow (4) and hose (5) (WP 0483).



4. Install pre-connect hose (1) on driver side pre-connect B (2).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Close hose bed covers (WP 0015)
2. Remove wheel chocks (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

PUMP COOLER (DUMP-TO-GROUND) VALVE REPLACEMENT

INITIAL SETUP:

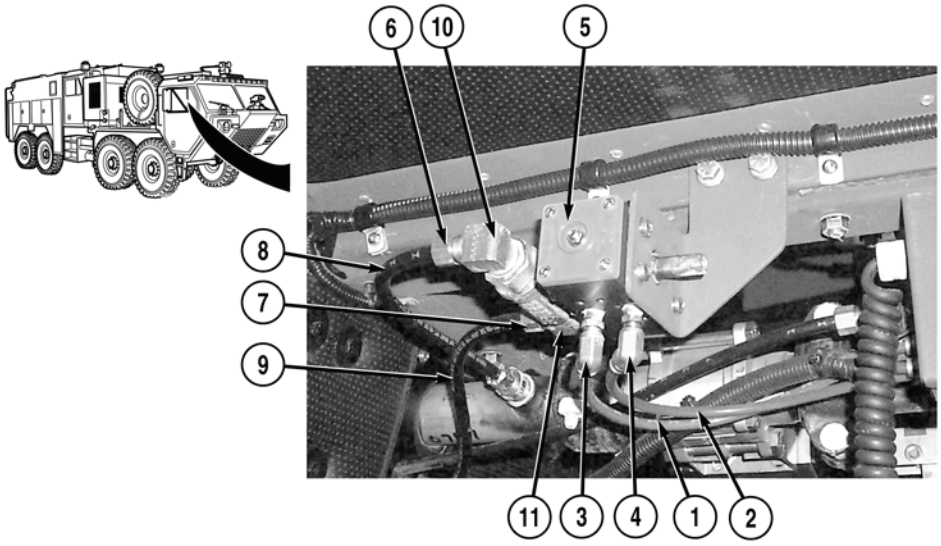
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Compound, Sealing, Pipe Thread (WP 0625, Item 51)
Tags, Identification (WP 0625, Item 51)
Lockwasher (4)
Lockwasher (2)

References
WP 0615, Fig. 113

Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (TM 9-2320-347-10)
Wheels chocked (TM 9-2320-347-10)
Air system drained (TM 9-2320-347-10)
Water system drained (WP 0041)

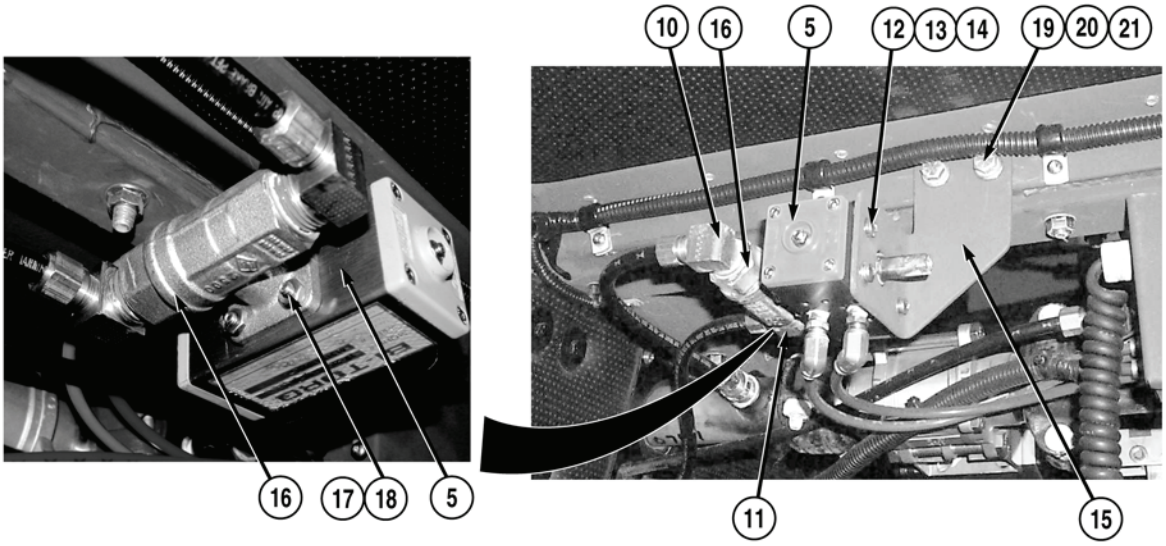
REMOVAL



NOTE

- Tag and mark air lines and water lines prior to removal to ensure proper installation.
- Air lines on pump cooler (dump-to-ground) valve remain attached to elbows.

1. Remove two air lines (1) and (2) and elbows (3) and (4) from pump cooler (dump-to-ground) valve (5).
2. Remove two fittings (6) and (7) and water lines (8) and (9) from elbows (10) and (11).



3. Remove four screws (12), lockwashers (13), washers (14), and pump cooler (dump-to-ground) valve (5) from bracket (15). Discard lockwashers.
4. Remove two elbows (10) and (11) from air ball valve (16).

NOTE

Note position of air ball valve prior to removal to ensure proper installation.

5. Remove four nuts (17), washers (18), and air ball valve (16) from pump cooler (dump-to-ground) valve (5).
6. Remove two screws (19), lockwashers (20), washers (21), and bracket (15) from vehicle. Discard lockwashers.

END OF TASK

INSTALLATION

1. Install bracket (15) on vehicle with two washers (21), lockwashers (20), and screws (19).

NOTE

Install air ball valve as noted prior to removal.

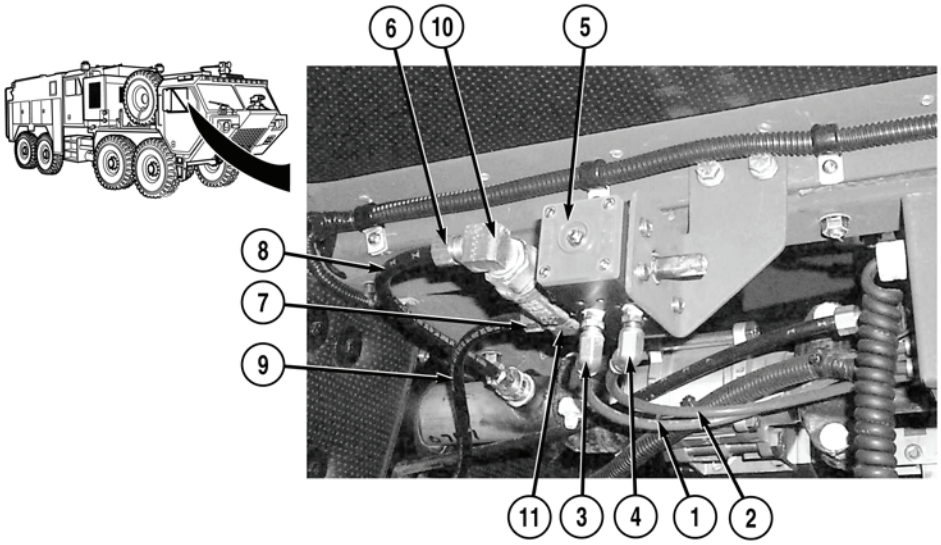
2. Install air ball valve (16) on pump cooler (dump-to-ground) valve (5) with four washers (18) and nuts (17).

WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

3. Apply sealing compound to threads of four elbows (3), (4), (10), and (11).
4. Install two elbows (10) and (11) on air ball valve (16).
5. Install pump cooler (dump-to-ground) valve (5) on bracket (15) with four washers (14), lockwashers (13), and screws (12).



6. Install two water lines (9) and (8) and fittings (7) and (6) on elbows (11) and (10).
7. Install two elbows (4) and (3) and air lines (2) and (1) on pump cooler (dump-to-ground) valve (5).

END OF TASK

FOLLOW-ON MAINTENANCE

Remove wheel chocks (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

ROOF TURRET, AUTOMATIC DRAIN VALVE, AND CONTROLS REPLACEMENT

INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

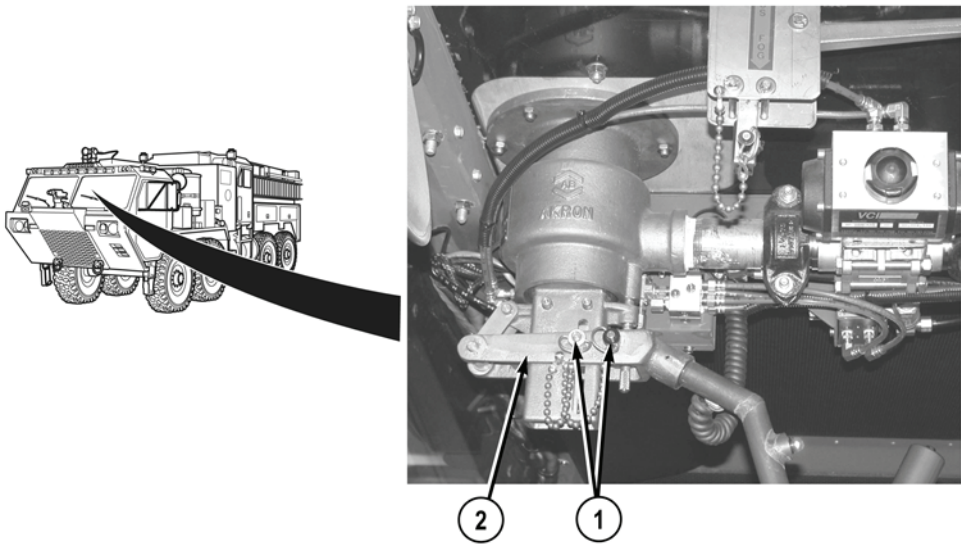
Materials/Parts
Adhesive, Sealant, Silicone, RTV (WP 0625, Item 5)
Cleaning Compound, Solvent (WP 0625, Item 12)
Oil, Lubricating (WP 0625, Item 37)
Tags, Identification (WP 0625, Item 51)
Locknut (8)
Preformed Packing (1)

Personnel Required
MOS 63B Wheeled vehicle mechanic (2)

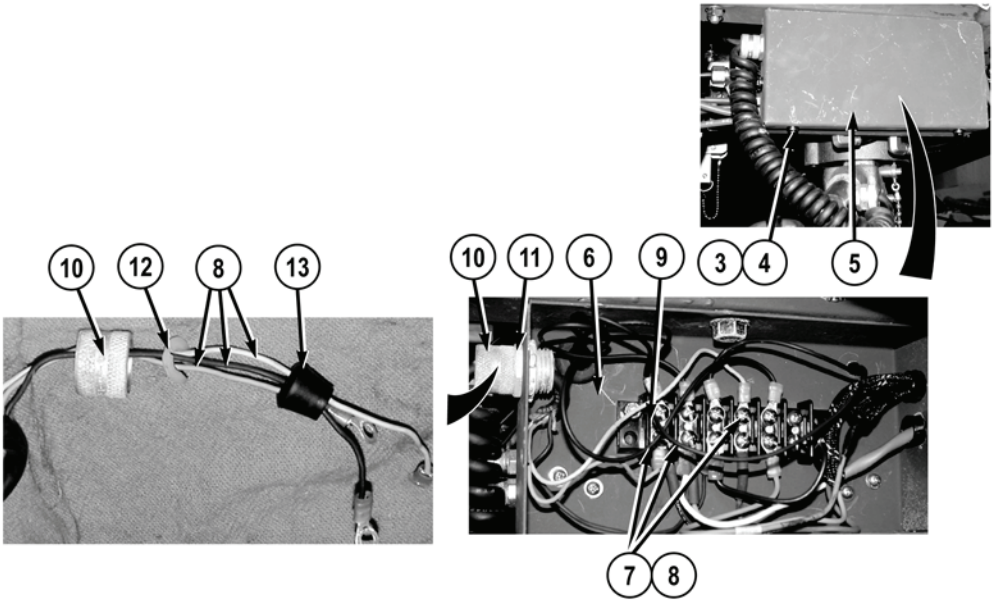
References
WP 0483
WP 0489
WP 0615, Fig. 170

Equipment Conditions
Water pump engine OFF (WP 0022)
Water system drained (WP 0041)
Air system drained (TM 9-2320-347-10)
Batteries disconnected (TM 9-2320-325-14&P)

REMOVAL



1. Remove two pins (1) from handle bracket (2).

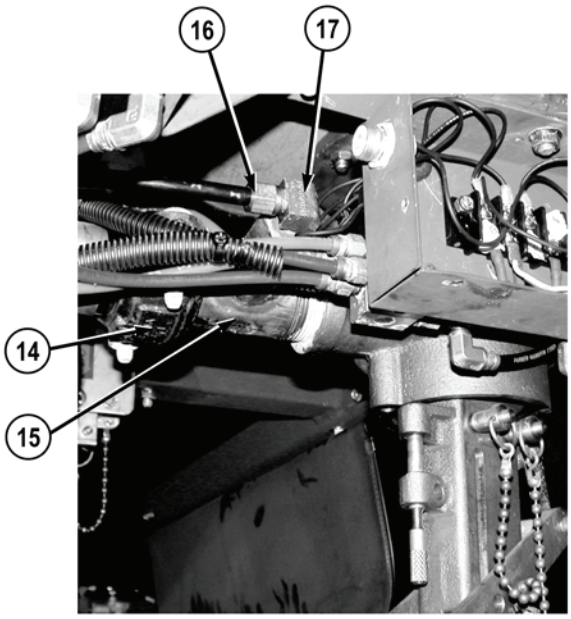


2. Remove three screws (3), washers (4), and cover (5) from junction box (6).

NOTE

Tag and mark wires prior to removal to ensure proper installation.

3. Remove three screws (7) and wires (8) from terminal block (9).
4. Remove collar (10) from sleeve (11).
5. Remove backing washer (12), grommet (13), and three wires (8) from sleeve (11) and junction box (6).

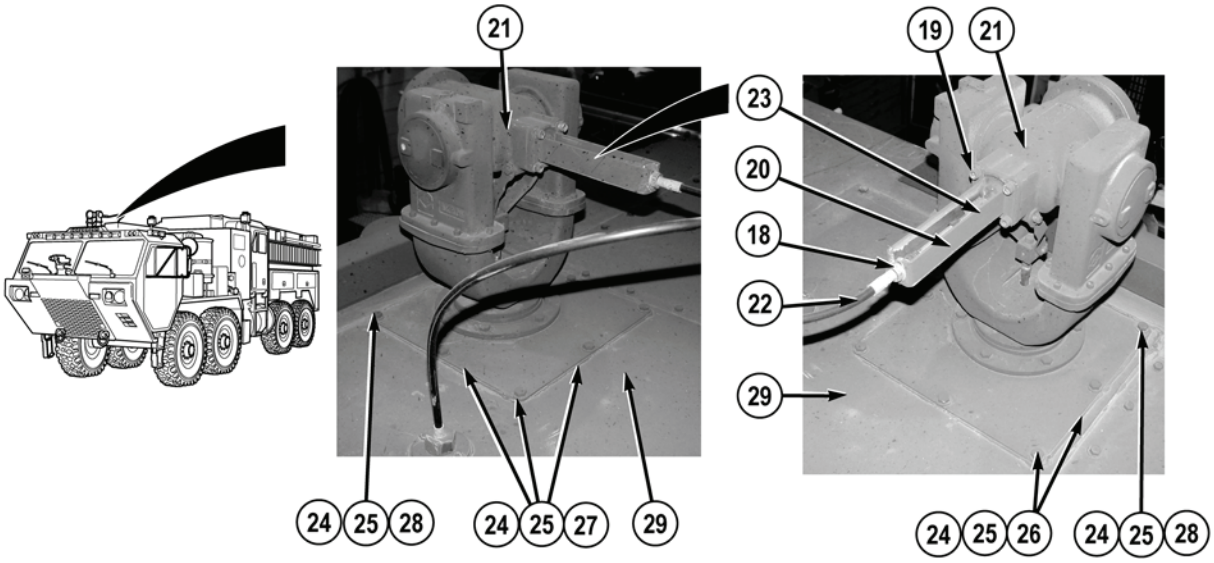


6. Remove coupling (14) from pipe (15) (WP 0483).

NOTE

Tag and mark hoses prior to removal to ensure proper installation.

7. Remove hose (16) from elbow (17).



NOTE

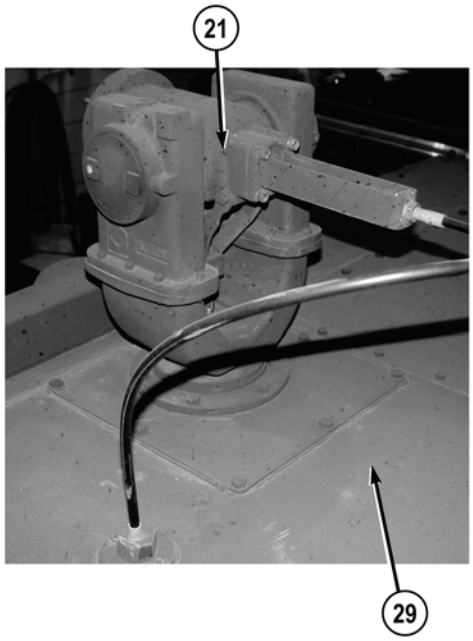
Note position of jamnut on cable prior to removal to ensure proper installation.

8. Loosen jamnut (18).
9. Remove four screws (19) and cable guard (20) from roof turret (21) and cable (22).
10. Loosen nut (23) and remove cable (22) from roof turret (21).

NOTE

Note position of screws prior to removal to ensure proper installation.

11. Remove eight locknuts (24), washers (25), two screws (26), and three screws (27) and (28) from roof turret (21) and roof turret mounting plate (29). Discard locknuts.



WARNING

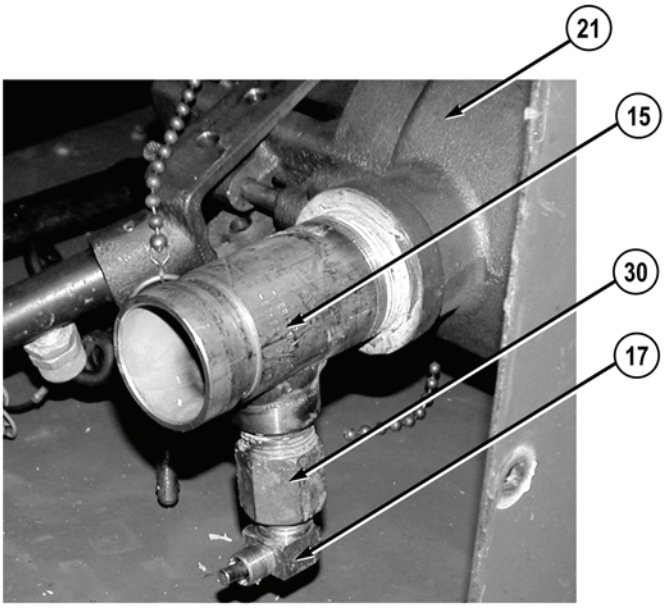


Roof turret weighs 75 lb. (34 kg). Do not attempt to lift roof turret without the aid of an assistant and a suitable lifting device. Failure to comply could result in serious injury to personnel or damage to roof turret.

NOTE

Silicone seal must be broken prior to removing roof turret.

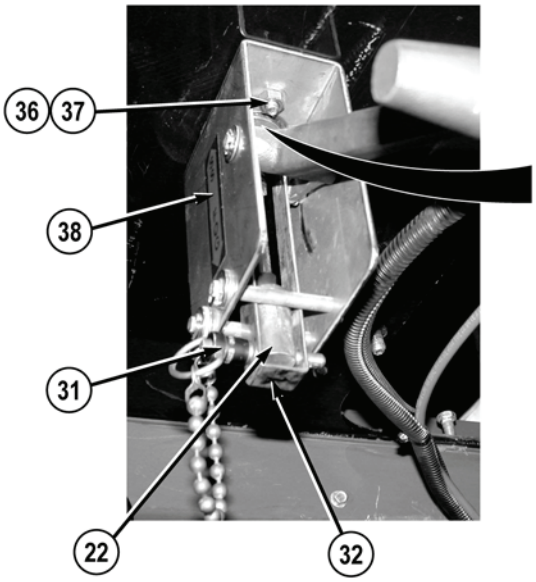
12. Attach suitable lifting device to roof turret (21).
13. With the aid of an assistance, guide roof turret (21) from roof turret mounting plate (29).
14. Remove suitable lifting device from roof turret (21).



NOTE

Note position of elbow prior to removal to ensure proper installation.

15. Remove elbow (17) from automatic drain valve (30).
16. Remove automatic drain valve (30) from pipe (15).
17. Remove pipe (15) from roof turret (21).





18. Remove pin (31) from handle linkage (32) and cable (22).
19. Loosen nut (33) and remove cable (22) from mounting plate (34) and vehicle.

20. Remove and discard preformed packing (35) from nut (33).
21. Remove two nuts (36), screws (37), pattern control handle assembly (38), mounting plate (34), and gasket (39) from roof turret mounting plate (29).

END OF TASK

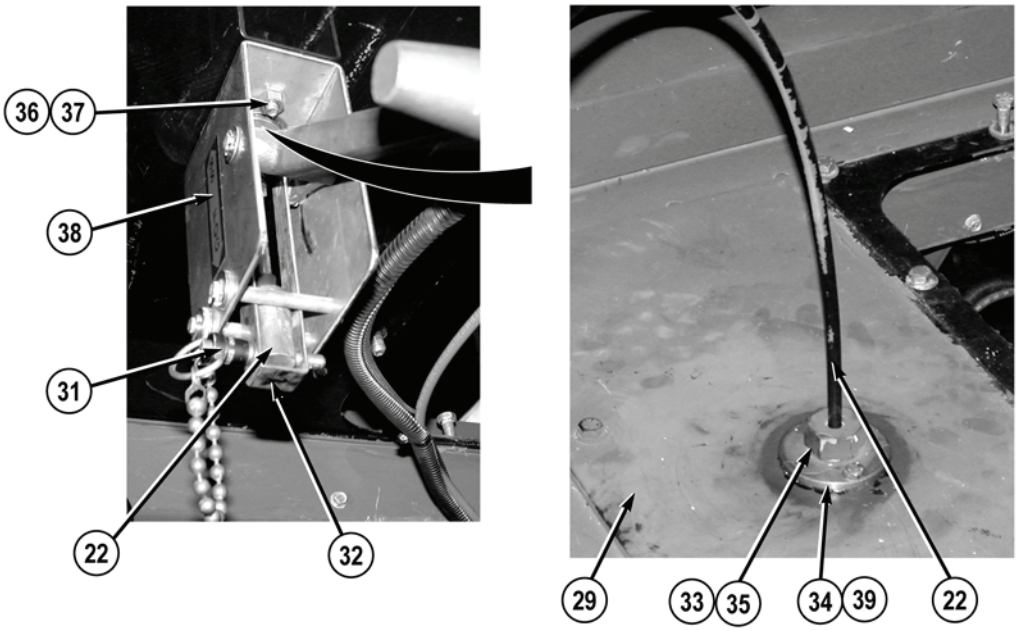
INSTALLATION

WARNING



Solvent cleaning compound MIL-PRF-680 Type II and III may be irritating to the eyes and skin. Use protective gloves and goggles. Use in well-ventilated areas. Use respirator as needed. Accidental ingestion can cause irritation of digestive tract and respiratory tract, may cause lung and central nervous system damage. Can be fatal if swallowed. Inhalation of high/massive concentrations can cause coma or be fatal. First aid for ingestion: do not induce vomiting. Seek immediate medical attention. First aid for skin contact: remove contaminated clothing. Wash skin thoroughly with soap and water. If symptoms persist, seek medical attention. First aid for eye contact: flush with water for 15 minutes or until irritation subsides. If symptoms persist, seek medical attention. First aid for inhalation: move to fresh air. If not breathing, provide artificial respiration. If symptoms persist, seek medical attention. Keep away from open flames and other sources of ignition. Failure to follow this warning may result in injury or death to personnel.

- **The flashpoint for Type II solvent cleaning compound is 141 to 198ºF (61 to 92ºC) and Type III is 200 to 241ºF (93 to 116ºC).**
- **Improper cleaning methods and use of unauthorized cleaning solvents may injure personnel and damage equipment.**
- **Fire extinguishers should be placed nearby when using solvent cleaning compound. Failure to follow this warning may result in injury or death.**
- **Cloths or rags saturated with solvent cleaning compound must be disposed of IAW authorized facilities' procedures. Failure to follow this warning may result in injury.**
- **Eye shields must be worn when cleaning with a wire brush. Flying rust and metal particle may cause injury.**



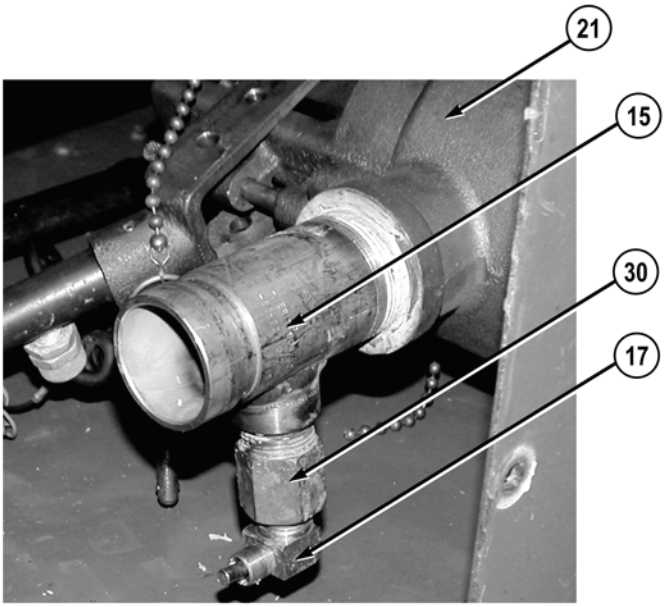
1. Clean bottom of mounting plate (34), roof turret (21), and mating surface of vehicle with solvent cleaning compound.

WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

2. Apply silicone sealant to both sides of gasket (39).
3. Install gasket (39), mounting plate (34), and pattern control handle assembly (38) on roof turret mounting plate (29) with two screws (37) and nuts (36).
4. Coat preformed packing (35) with lubricating oil and install preformed packing (35) on nut (33).
5. Route cable (22) through mounting plate (34).
6. Install cable (22) on vehicle and mounting plate (34) with nut (33).
7. Install cable (22) on handle linkage (32) with pin (31).



WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

8. Apply sealing compound to threads of elbow (17) and automatic drain valve (30).

NOTE

Install pipe as noted prior to removal.

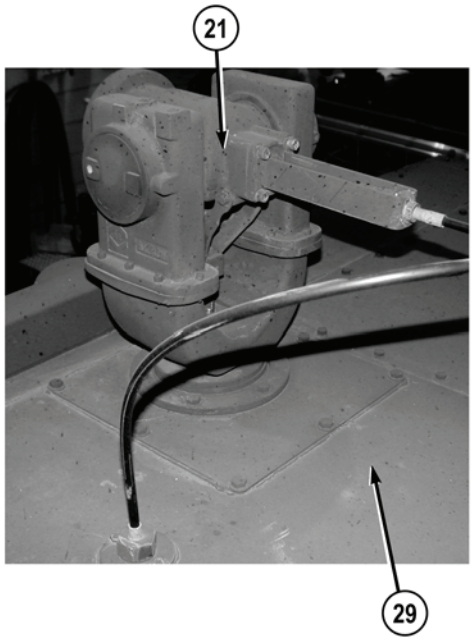
9. Install pipe (15) on roof turret (21) (WP 0489).

10. Install automatic drain valve (30) on pipe (15).

NOTE

Install elbow as noted prior to removal.

11. Install elbow (17) on automatic drain valve (30).

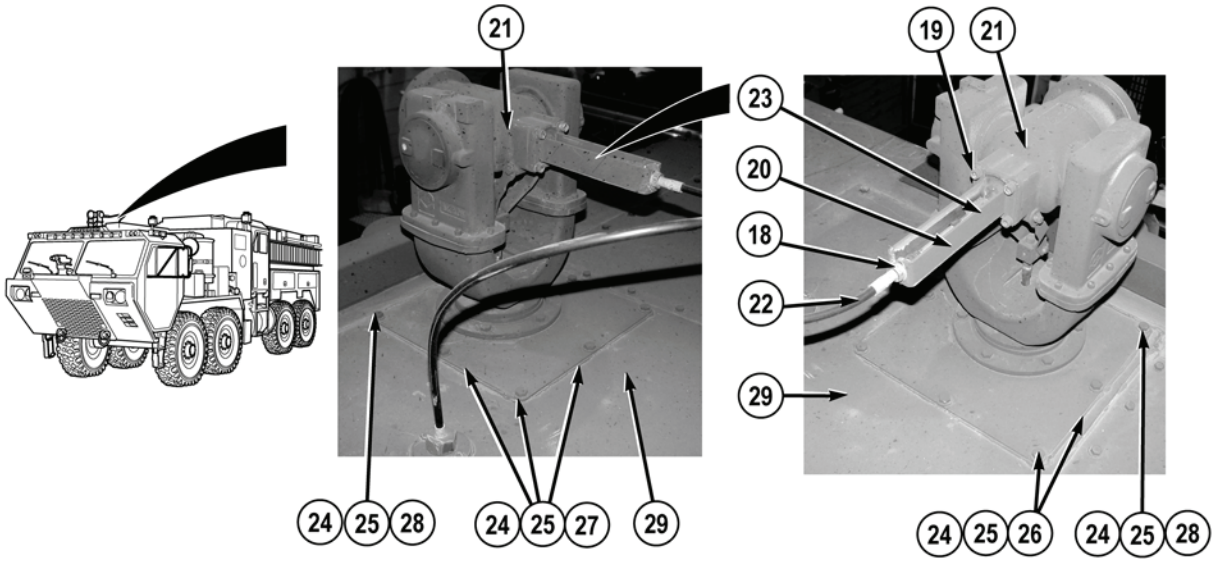


WARNING



Roof turret weighs 75 lb. (34 kg). Do not attempt to lift roof turret without the aid of an assistant and a suitable lifting device. Failure to comply could result in serious injury to personnel or damage to roof turret.

12. Attach suitable lifting device to roof turret (21).
13. Apply silicone sealant to perimeter and mounting holes on bottom of roof turret (21).
14. With the aid of an assistant, guide roof turret (21) on roof turret mounting plate (29).
15. Remove suitable lifting device from roof turret (21).



CAUTION

Do not over tighten locknuts. Over tightening locknuts will crush cab frame members.

NOTE

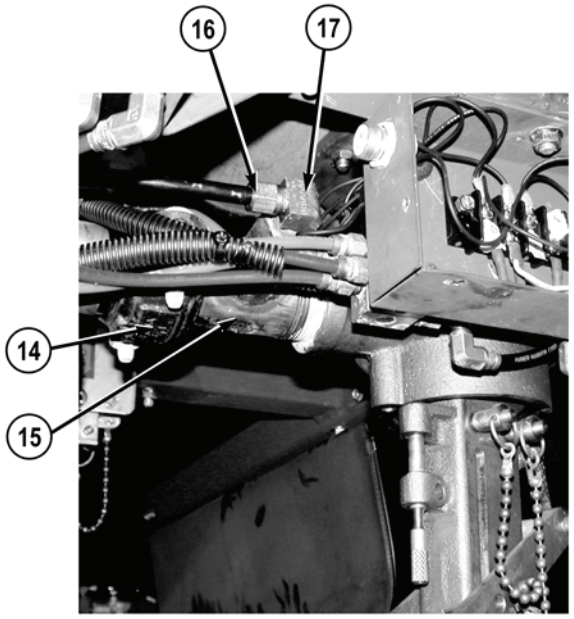
Install screws as noted prior to removal.

16. Secure roof turret (21) to roof turret mounting plate (29) with three screws (28) and (27), two screws (26), eight washers (25), and locknuts (24).
17. Install cable (22) on roof turret (21) with nut (23).
18. Install cable guard (20) on cable (22) and roof turret (21) with four screws (19).

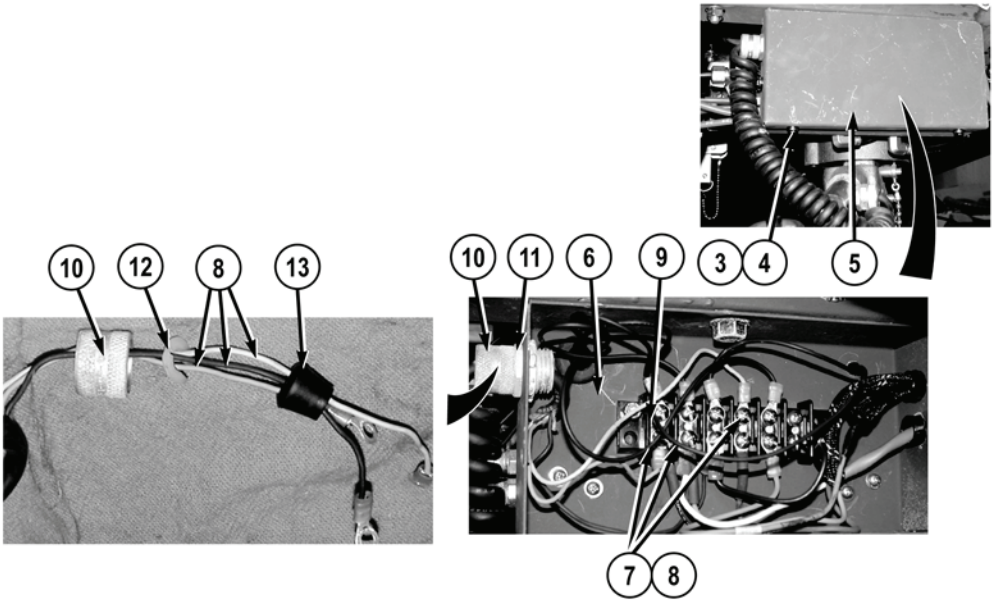
NOTE

Tighten jamnut on cable as noted prior to removal.

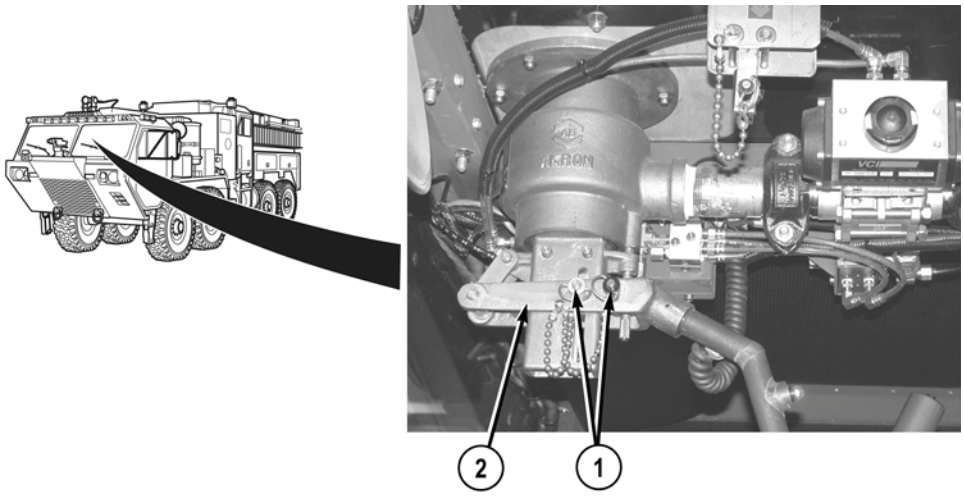
19. Tighten jamnut (18).



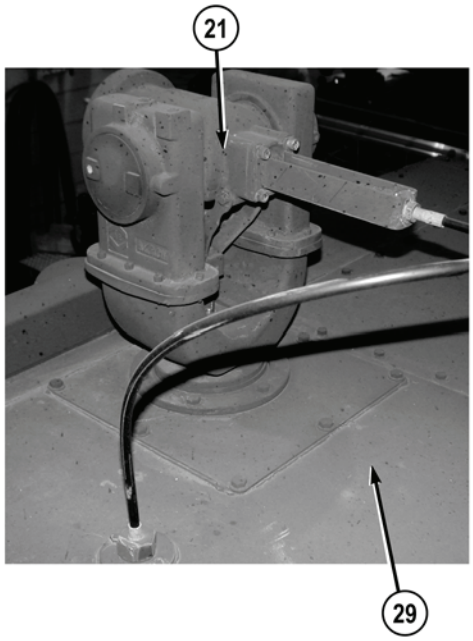
20. Install hose (16) on elbow (17).
21. Install coupling (14) on pipe (15) (WP 0483).



22. Install three wires (8), grommet (13), and backing washer (12) through sleeve (11) on junction box (6) and tighten collar (10).
23. Install three wires (8) on terminal block (9) with three screws (7).
24. Install cover (5) on junction box (6) with three washers (4) and screws (3).



25. Install two pins (1) on handle bracket (2).
26. Test roof turret operation (WP 0036).



NOTE

Perform Step (27) if proper flow pattern of roof turret is not being achieved.

27. Adjust two jamnuts (18) and (40) and cable (22).
28. Repeat Steps (26) and (27) until proper flow pattern of roof turret is achieved.

END OF TASK

FOLLOW-ON MAINTENANCE

Connect batteries (TM 9-2320-325-14&P)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

ROOF TURRET VALVE REPLACEMENT

INITIAL SETUP:

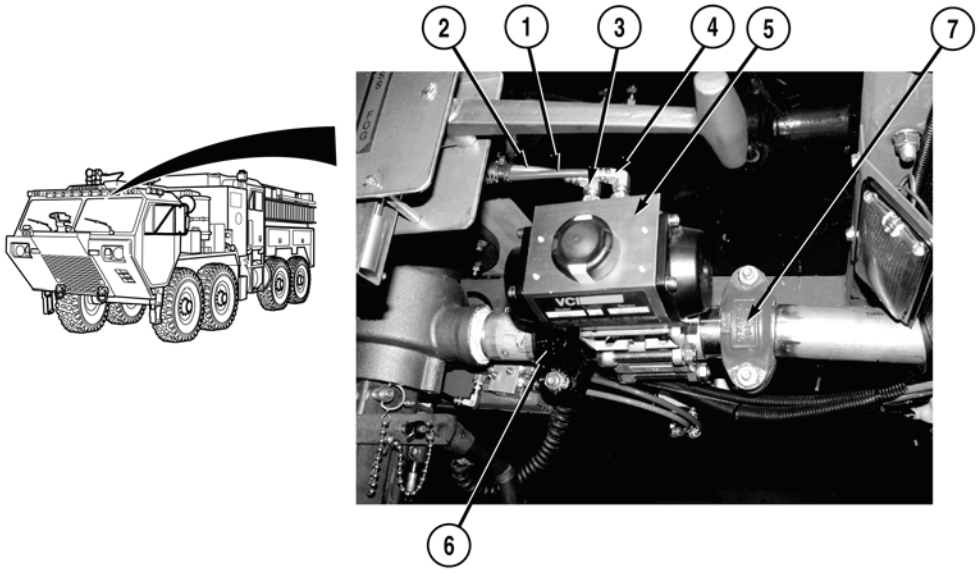
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Tags, Identification (WP 0625, Item 51)

References
WP 0483
WP 0615, Fig. 170, 171

Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (TM 9-2320-347-10)
Wheels chocked (TM 9-2320-347-10)
Air system drained (TM 9-2320-347-10)
Water system drained (WP 0041)

REMOVAL



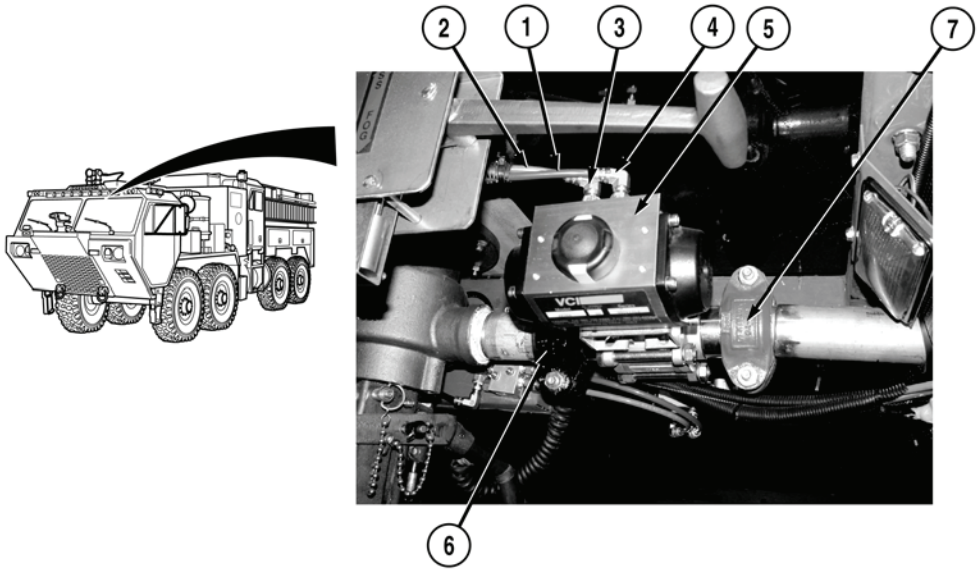
NOTE

- Tag and mark air lines prior to removal to ensure proper installation.
- Air lines remain attached to elbows.

1. Remove two air lines (1) and (2) and elbows (3) and (4) from roof turret valve (5).
2. Remove two couplings (6) and (7) and roof turret valve (5) from vehicle (WP 0483).

END OF TASK

INSTALLATION



1. Install two couplings (7) and (6) and roof turret valve (5) on vehicle (WP 0483).
2. Install two air lines (2) and (1) and elbows (4) and (3) on roof turret valve (5).

END OF TASK

FOLLOW-ON MAINTENANCE

Remove wheel chocks (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

ROOF TURRET AND CONTROLS REPAIR

INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

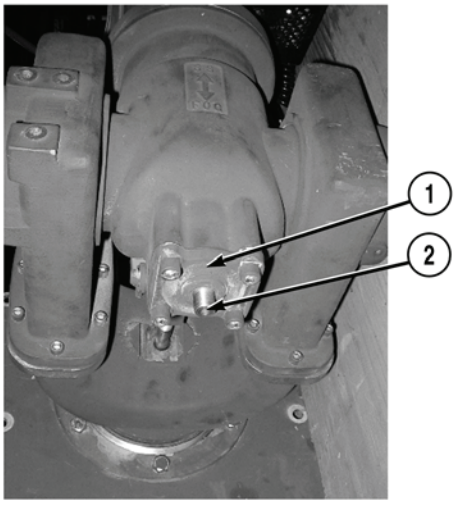
Materials/Parts
Adhesive, Sealant, Silicone, RTV (WP 0625, Item 5)
Adhesive, Thread, Locking (WP 0625, Item 7)
Cleaning Compound, Solvent (WP 0625, Item 12)
Grease, Automotive and Artillery (WP 0625, Item 23)
Silicone Compound, Lubricant (WP 0625, Item 49)
Tags, Identification (WP 0625, Item 51)
Preformed Packing (1)
Retaining Ring (1)
Preformed Packing (1)
Cotter Pin (2)
Cotter Pin (2)
Snap Ring (1)

Materials/Parts (continued)
Preformed Packing (2)
Cotter Pin (2)
Preformed Packing (2)
Seal Ring (1)
Preformed Packing (2)
Preformed Packing (2)
Cotter Pin (2)
Snap Ring (1)
Preformed Packing (1)
Preformed Packing (1)
Cotter Pin (2)
Cotter Pin (1)

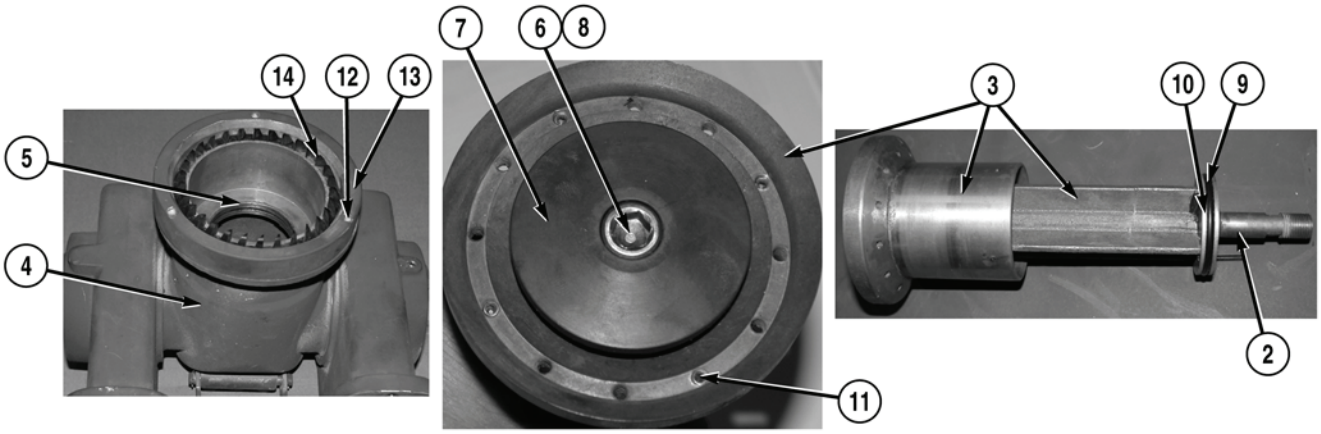
References
TM 9-2320-325-14&P
WP 0615, Fig. 171

Equipment Conditions
Roof turret, automatic drain valve, and controls removed (WP 0579)

NOZZLE BODY DISASSEMBLY



1. Remove bearing plate (1) from extension blade (2).



NOTE

Pushing throat assembly forward through nozzle body, removes throat assembly from nozzle body.

2. Remove throat (3) from nozzle body (4).
3. Remove and discard preformed packing (5) from nozzle body (4).

NOTE

Number of spacers may vary. Note position of spacers prior to replacement to ensure proper installation.

4. Remove screw (6), baffle head (7), and spacer (8) from throat (3).
5. Remove and discard preformed packing (9) from front plunger (10).
6. Remove extension blade (2) and front plunger (10) from throat (3).

NOTE

Note position of set screws in holes of throat prior to replacement to ensure proper installation.

7. Remove four set screws (11) from throat (3).

WARNING



Springs, retaining rings, and snap rings are under extreme spring tension and can act as projectiles when being removed. Ensure all personnel wear protective goggles. Failure to comply could result in serious injury to personnel.

8. Remove three screws (12), retaining ring (13), and turbine (14) from nozzle body (4). Discard retaining ring.

END OF TASK

NOZZLE BODY CLEANING AND INSPECTION

WARNING



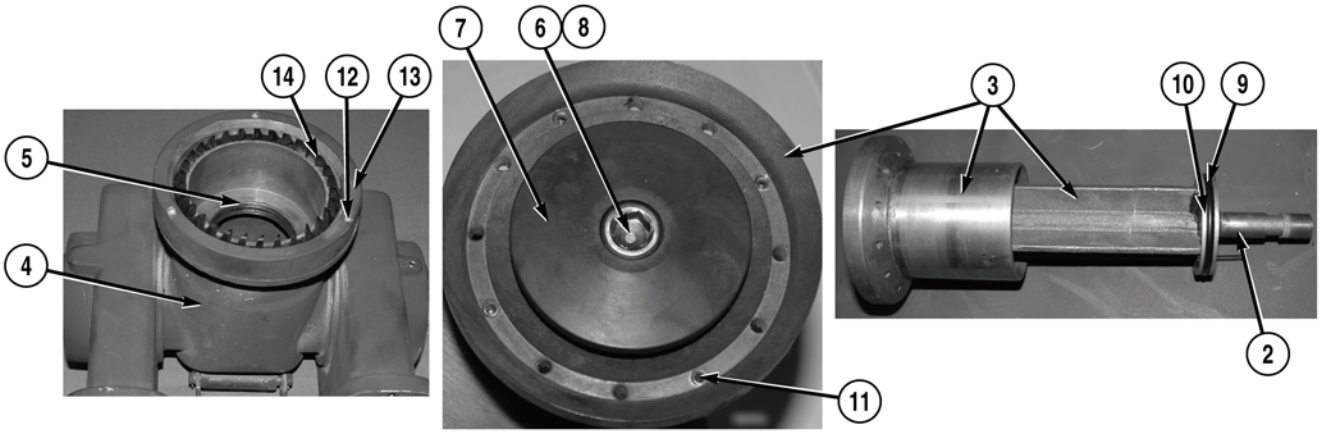
Solvent cleaning compound MIL-PRF-680 Type II and III may be irritating to the eyes and skin. Use protective gloves and goggles. Use in well-ventilated areas. Use respirator as needed. Accidental ingestion can cause irritation of digestive tract and respiratory tract, may cause lung and central nervous system damage. Can be fatal if swallowed. Inhalation of high/massive concentrations can cause coma or be fatal. First aid for ingestion: do not induce vomiting. Seek immediate medical attention. First aid for skin contact: remove contaminated clothing. Wash skin thoroughly with soap and water. If symptoms persist, seek medical attention. First aid for eye contact: flush with water for 15 minutes or until irritation subsides. If symptoms persist, seek medical attention. First aid for inhalation: move to fresh air. If not breathing, provide artificial respiration. If symptoms persist, seek medical attention. Keep away from open flames and other sources of ignition. Failure to follow this warning may result in injury or death to personnel.

- **The flashpoint for Type II solvent cleaning compound is 141 to 198ºF (61 to 92ºC) and Type III is 200 to 241ºF (93 to 116ºC).**
- **Improper cleaning methods and use of unauthorized cleaning solvents may injure personnel and damage equipment.**
- **Fire extinguishers should be placed nearby when using solvent cleaning compound. Failure to follow this warning may result in injury or death.**
- **Cloths or rags saturated with solvent cleaning compound must be disposed of IAW authorized facilities' procedures. Failure to follow this warning may result in injury.**
- **Eye shields must be worn when cleaning with a wire brush. Flying rust and metal particle may cause injury.**

1. Clean all metallic parts with solvent cleaning compound.
2. Dry all parts with compressed air.
3. Inspect all parts for damage.
4. Replace damaged parts.

END OF TASK

NOZZLE BODY ASSEMBLY



1. Install turbine (14) on nozzle body (4) with retaining ring (13) and three screws (12).
2. Install four set screws (11) on throat (3).

WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

NOTE

Silicone sealant must be applied to mating surface of front plunger and extension blade.

3. Apply sealant on front plunger (10).

NOTE

Thread lock sealing compound is applied to threads of extension blade securing extension blade to throat.

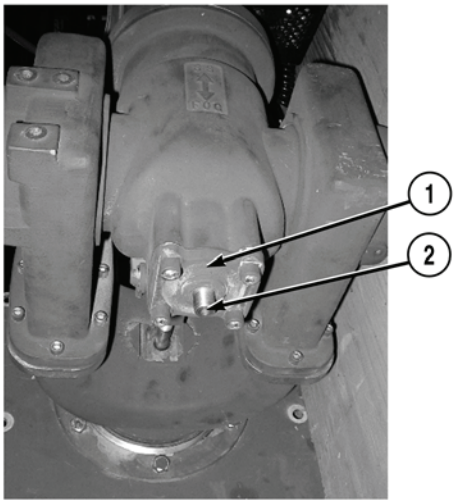
4. Apply thread lock adhesive on threads of extension blade (2).
5. Install front plunger (10) on throat (3) with extension blade (2).
6. Coat preformed packing (9) with silicone lubricant, and install preformed packing (9) on front plunger (10).

WARNING



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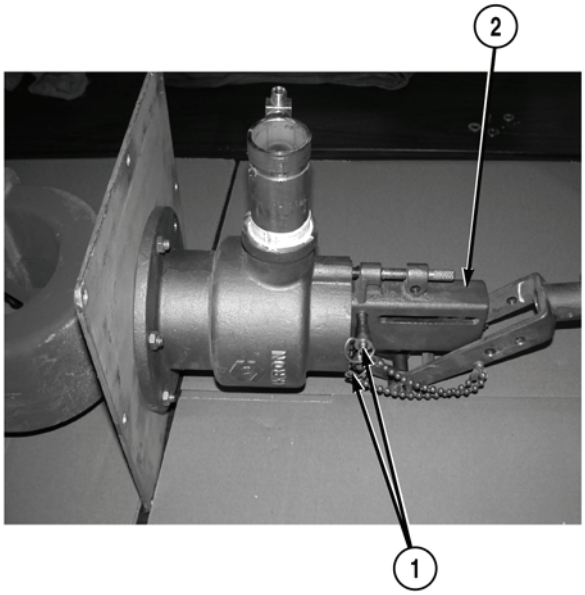
7. Apply thread lock adhesive on threads of screw (6).
8. Install spacer (8) and baffle head (7) on throat (3) with screw (6).
9. Coat preformed packing (5) with silicone lubricant, and install preformed packing (5) on nozzle body (4).
10. Install throat (3) on nozzle body (4).



11. Install bearing plate (1) on extension blade (2).

END OF TASK

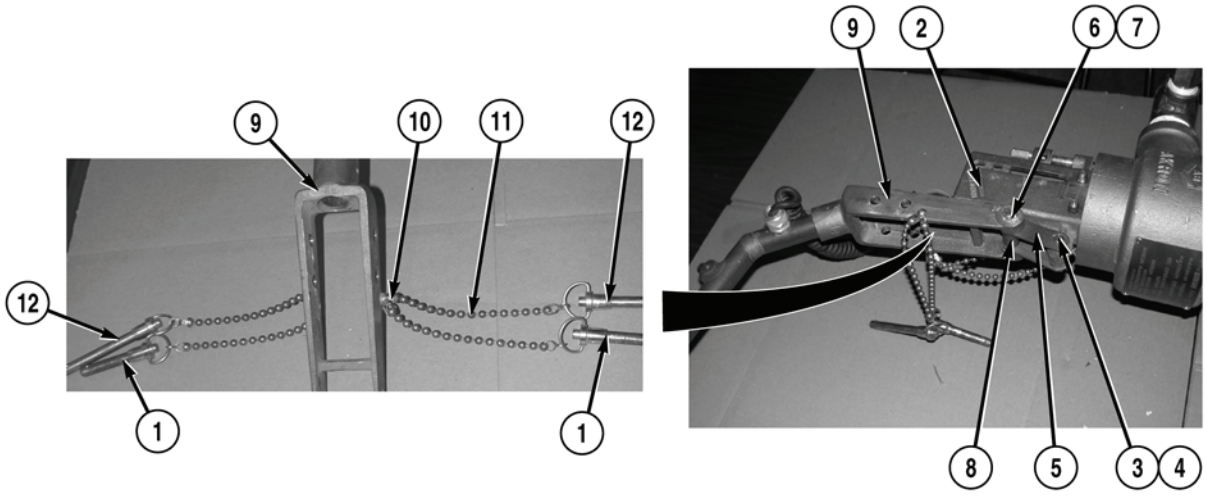
HANDLE AND ROOF TURRET DISASSEMBLY



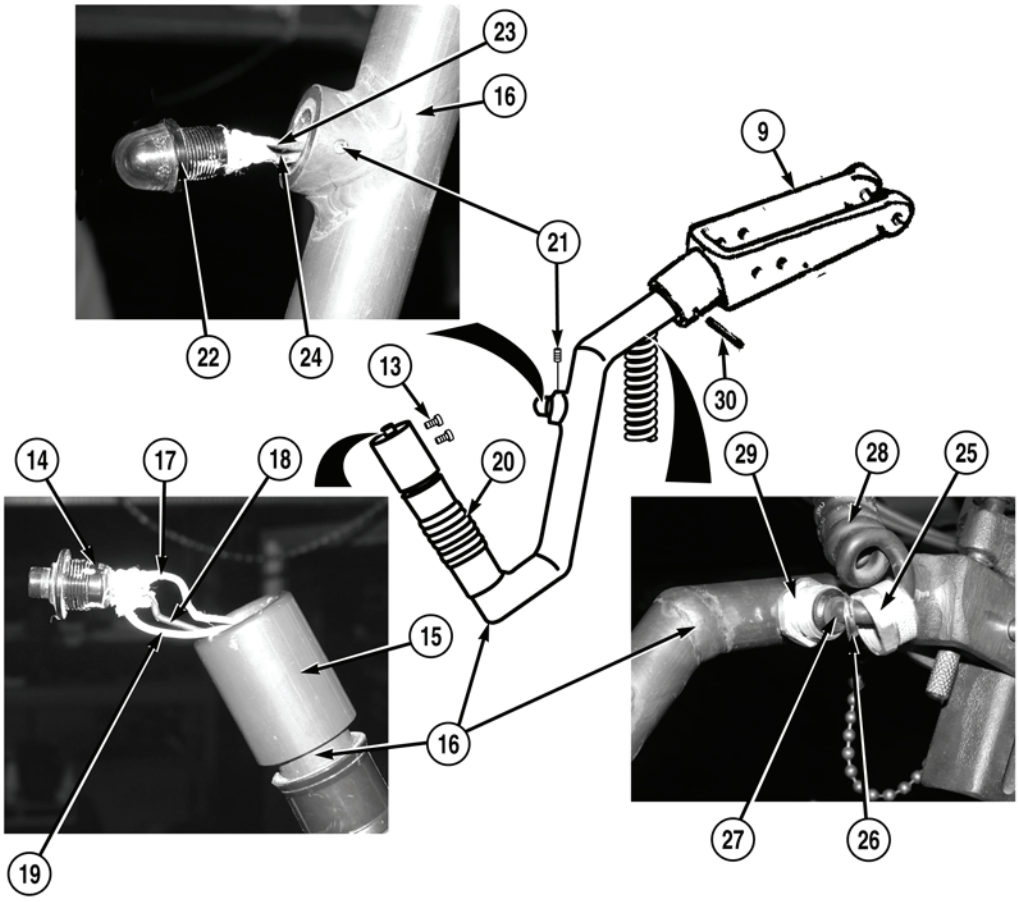
NOTE

Two top security pins are shorter in length than security pins holding handle bracket on drive socket.

1. Remove two top security pins (1) from drive socket (2).



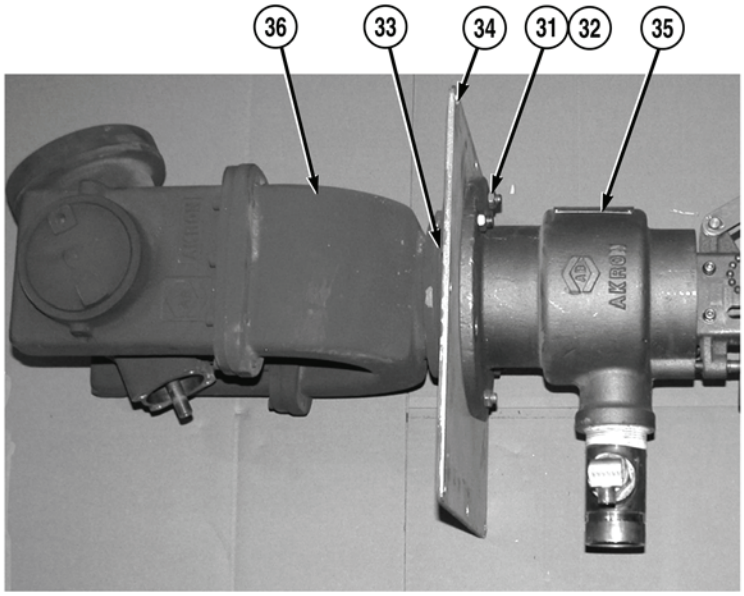
2. Remove two cotter pins (3), pin (4), and two links (5) from drive socket (2). Discard cotter pins.
3. Remove two cotter pins (6), pin (7), spacer (8), and two links (5) from handle yoke (9). Discard cotter pins.
4. Remove two screws (10), four chains (11), two top security pins (1), and lower security pins (12) from handle yoke (9).



NOTE

Tag and mark wires prior to removal to ensure proper installation.

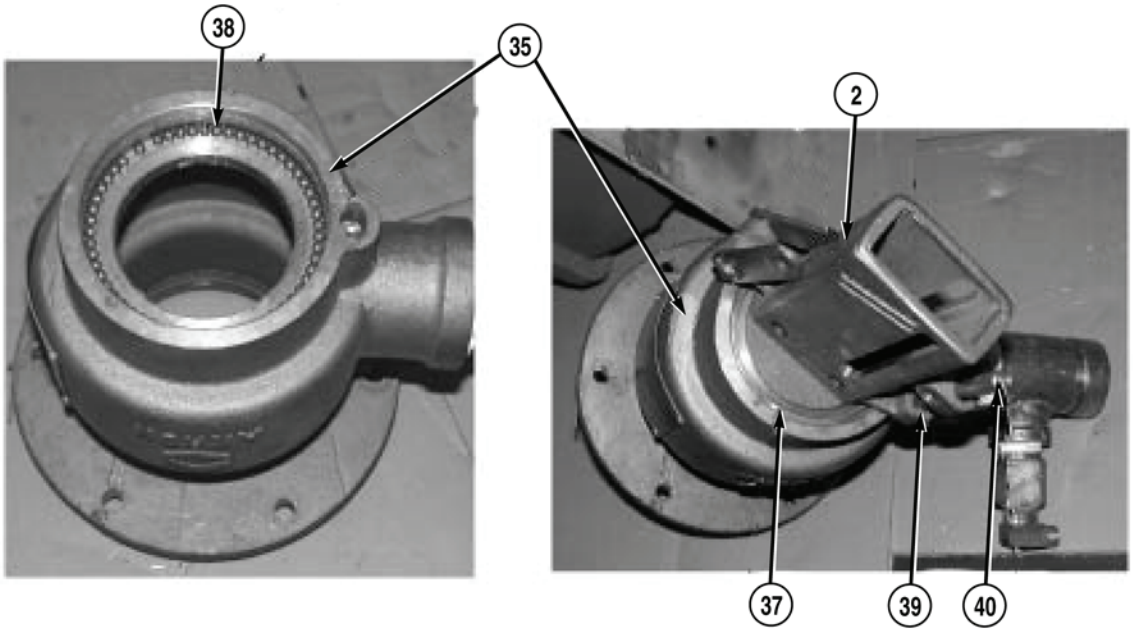
5. Loosen two set screws (13) and remove button (14) and cover (15) from handle (16), and cut three wires (17), (18), and (19) (TM 9-2320-325-14&P).
6. Remove grip (20) from handle (16).
7. Loosen set screw (21) and remove indicator (22) from handle (16), and cut two wires (23) and (24) (TM 9-2320-325-14&P).
8. Remove collar (25), washer (26), grommet (27), and power cable (28) from fitting (29) and handle (16).
9. Remove grommet (27), washer (26), and collar (25) from power cable (28).
10. Remove fitting (29) from handle (16).
11. Remove roll pin (30) and handle (16) from handle yoke (9).



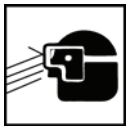
NOTE

Note position of siamese base, mounting plate, and roof pot prior to removal to ensure proper installation.

12. Remove six nuts (31), screws (32), pot flange (33), mounting plate (34), and roof pot (35) from siamese base (36).



WARNING



Springs, retaining rings, and snap rings are under extreme spring tension and can act as projectiles when being removed. Ensure all personnel wear protective goggles. Failure to comply could result in serious injury to personnel.

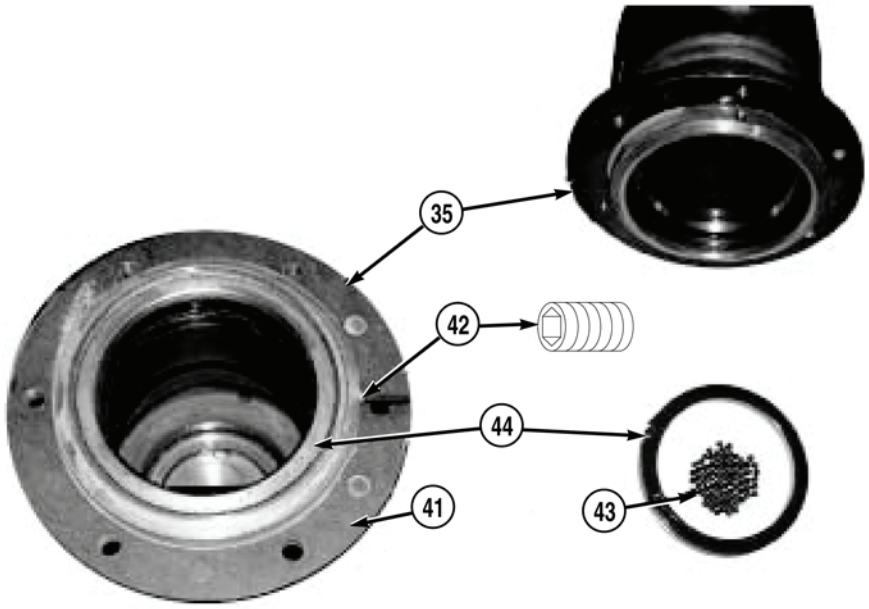
CAUTION

Fifty-seven ball bearings are positioned between drive socket and roof pot. Care must be taken when removing drive socket from roof pot not to lose ball bearings.

NOTE

Roof pot must be positioned with roof pot mounting flange setting on work bench.

13. Remove ring (37), drive socket (2), and 57 ball bearings (38) from roof pot (35).
14. Remove snap ring (39) and lock pin (40) from drive socket (2). Discard snap ring.

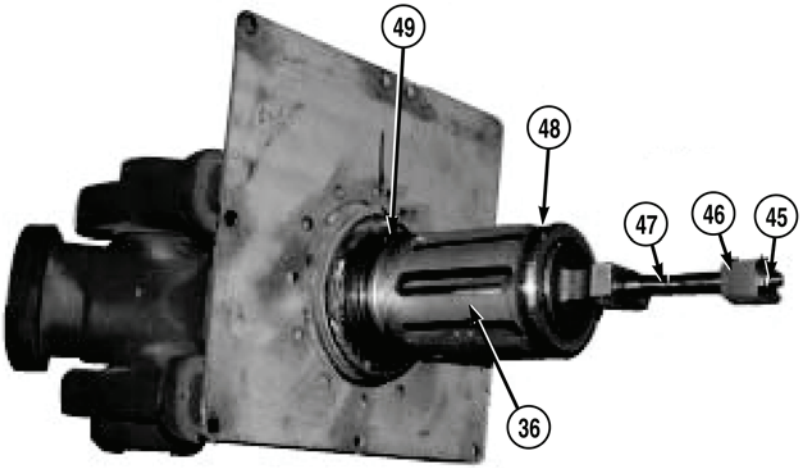


⚠ CAUTION

Seventy-nine ball bearings are positioned between bearing ring and roof pot. After removing set screw, all ball bearings are removed through hole by rotating bearing ring. Care must be taken when removing ball bearings not to lose ball bearings.

15. Remove gasket (41) from roof pot (35).

16. Remove set screw (42), 79 ball bearings (43), and bearing ring (44) from roof pot (35).

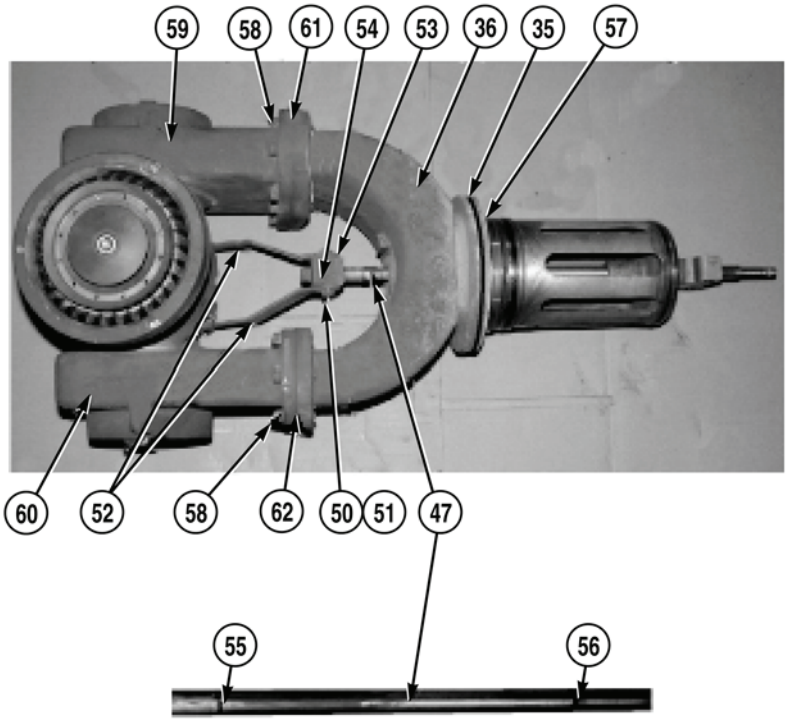


NOTE

Note position of lower control block on control rod prior to replacement to ensure proper installation.

17. Remove nut (45) and lower control block (46) from control rod (47).

18. Remove two preformed packings (48) and (49) from siamese base (36). Discard preformed packings.

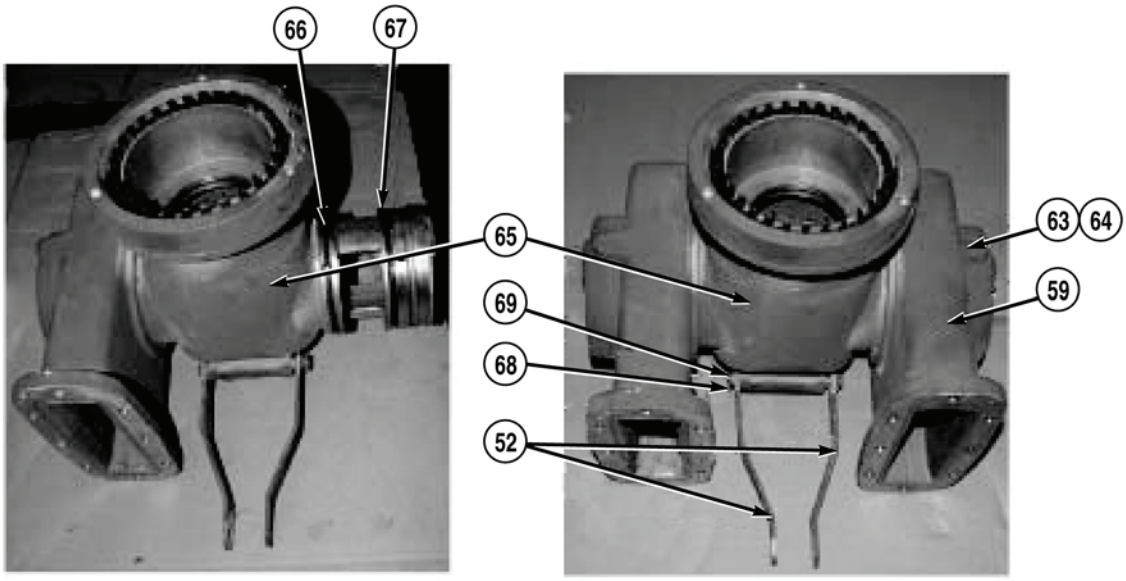


19. Remove two cotter pins (50), clevis pin (51), and two upper control links (52) from upper control block (53). Discard cotter pins.

NOTE

Note number of exposed threads on control rod prior to removal to ensure proper installation.

20. Remove set screw (54) and upper control block (53) from control rod (47).
21. Remove control rod (47) from siamese base (36).
22. Remove two preformed packings (55) and (56) from control rod (47). Discard preformed packings.
23. Remove seal ring (57) from siamese base (36). Discard seal ring.
24. Remove 16 screws (58), two stanchions (59) and (60), and two preformed packings (61) and (62) from siamese base (36). Discard preformed packings.



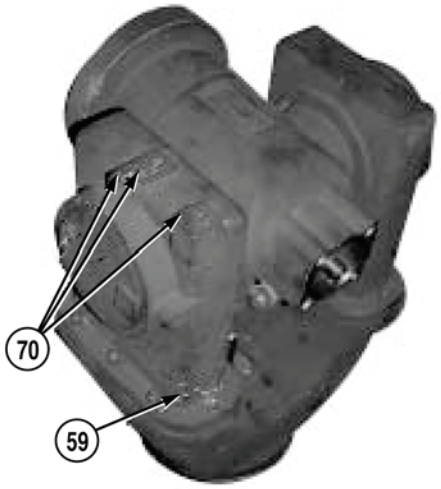
CAUTION

Fifty-four ball bearings are positioned between each stanchion and nozzle body. After removing set screw, ball bearings are removed through hole by rotating stanchion on nozzle body. Care must be taken when removing ball bearings not to lose ball bearings.

NOTE

Both stanchions are removed from nozzle body the same way.

25. Remove set screw (63), 54 ball bearings (64), and stanchion (59) from nozzle body (65).
26. Remove two preformed packings (66) and (67) from nozzle body (65). Discard preformed packings.
27. Remove two cotter pins (68), clevis pin (69), and two upper control links (52) from nozzle body (65). Discard cotter pins.



28. Remove three cap plugs (70) from stanchion (59).

END OF TASK

HANDLE AND ROOF TURRET CLEANING /INSPECTION

WARNING



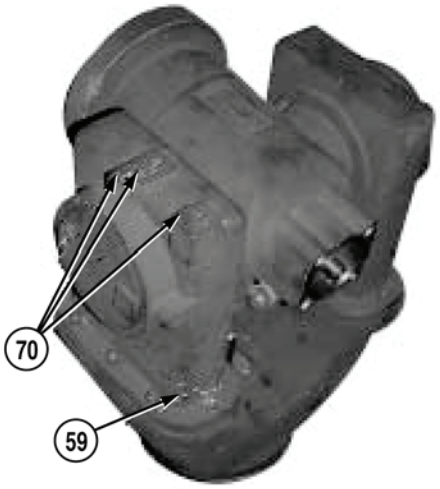
Solvent cleaning compound MIL-PRF-680 Type II and III may be irritating to the eyes and skin. Use protective gloves and goggles. Use in well-ventilated areas. Use respirator as needed. Accidental ingestion can cause irritation of digestive tract and respiratory tract, may cause lung and central nervous system damage. Can be fatal if swallowed. Inhalation of high/massive concentrations can cause coma or be fatal. First aid for ingestion: do not induce vomiting. Seek immediate medical attention. First aid for skin contact: remove contaminated clothing. Wash skin thoroughly with soap and water. If symptoms persist, seek medical attention. First aid for eye contact: flush with water for 15 minutes or until irritation subsides. If symptoms persist, seek medical attention. First aid for inhalation: move to fresh air. If not breathing, provide artificial respiration. If symptoms persist, seek medical attention. Keep away from open flames and other sources of ignition. Failure to follow this warning may result in injury or death to personnel.

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- **Improper cleaning methods and use of unauthorized cleaning solvents may injure personnel and damage equipment.**
- **Fire extinguishers should be placed nearby when using solvent cleaning compound. Failure to follow this warning may result in injury or death.**
- **Cloths or rags saturated with solvent cleaning compound must be disposed of IAW authorized facilities' procedures. Failure to follow this warning may result in injury.**
- **Eye shields must be worn when cleaning with a wire brush. Flying rust and metal particle may cause injury.**

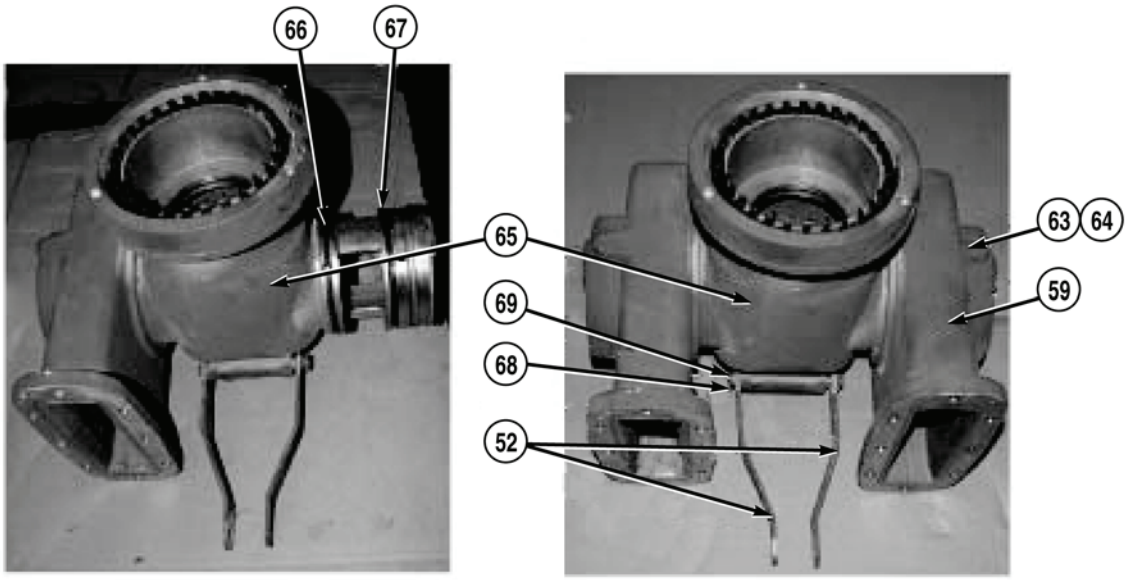
1. Clean all metallic parts with solvent cleaning compound.
2. Dry all parts with compressed air.
3. Inspect all parts for damage.
4. Replace damaged parts.

END OF TASK

HANDLE AND ROOF TURRET ASSEMBLY



1. Install three cap plugs (70) on stanchion (59).



2. Install two upper control links (52) on nozzle body (65) with clevis pin (69) and two cotter pins (68).

NOTE

Both stanchions are installed the same way.

3. Apply silicone lubricant on two preformed packings (67) and (66) and install preformed packings (67) and (66) on nozzle body (65).

4. Position stanchion (59) on nozzle body (65).

NOTE

Rotating stanchion on nozzle body allows for easier installation of 54 ball bearings.

5. Lightly grease 54 ball bearings (64), and install 54 ball bearings (64) through hole in stanchion (59).

WARNING



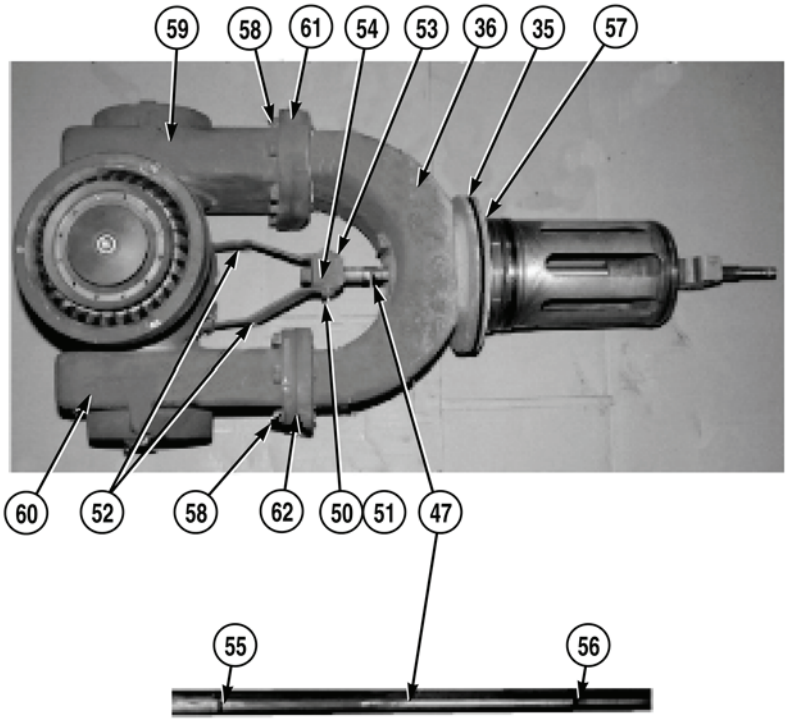
Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

NOTE

Installing set screw too deep on stanchion will not allow nozzle body to rotate properly. Set screw must be installed so that nozzle body rotates freely.

6. Apply thread lock adhesive to set screw (63).

7. Install set screw (63) on stanchion (59).



WARNING



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8. Apply thread lock adhesive to 16 screws (58).
9. Apply silicone lubricant on two preformed packings (62) and (61), and install two preformed packings (62) and (61) and stanchions (60) and (59) on siamese base (36) with 16 screws (58).
10. Install seal ring (57) on siamese base (36).
11. Apply silicone lubricant on two preformed packings (56) and (55), and install two preformed packings (56) and (55) on control rod (47).
12. Install control rod (47) on siamese base (36).

WARNING

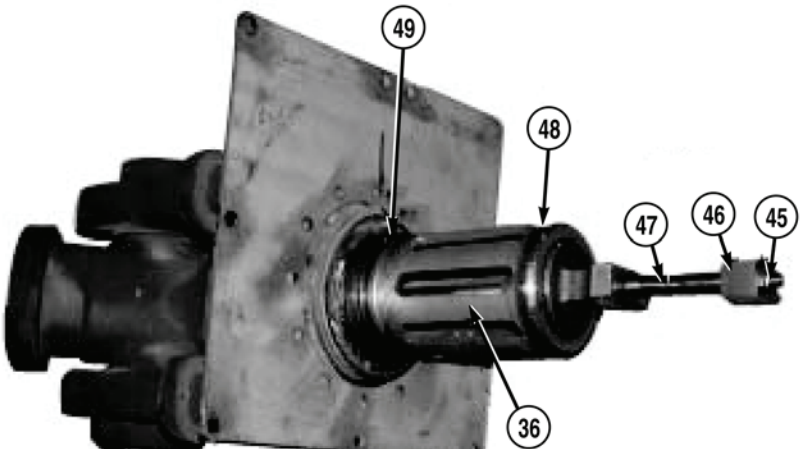


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NOTE

Install upper control block on control rod with same number of exposed threads as noted prior to removal.

13. Apply thread lock adhesive to set screw (54).
14. Install upper control block (53) on control rod (47) with set screw (54).
15. Install two upper control links (52) on upper control block (53) with clevis pin (51) and two cotter pins (50).



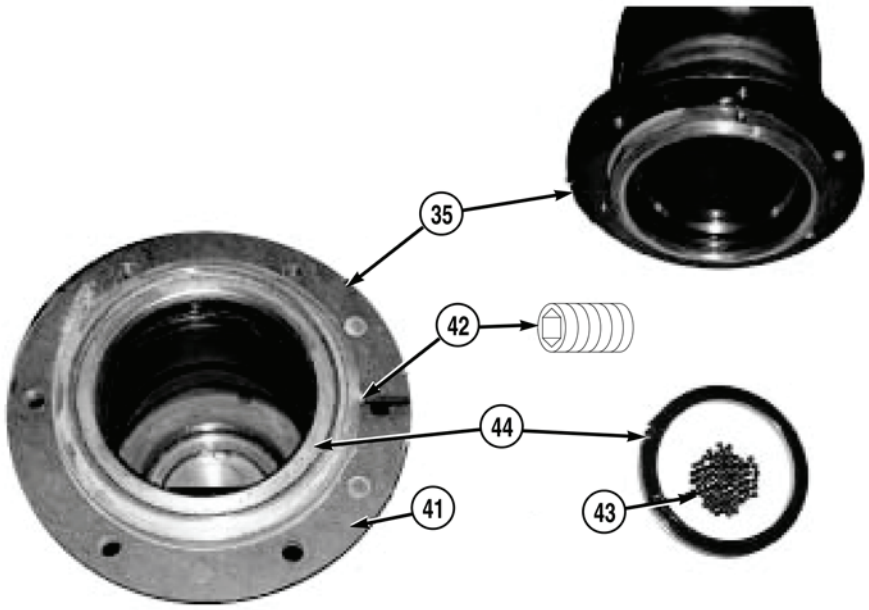
16. Apply silicone lubricant on two preformed packings (49) and (48) and install two preformed packings (49) and (48) on siamese base (36).

WARNING



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17. Apply thread lock adhesive to threads on control rod (47).
18. Install lower control block (46) on control rod (47) with nut (45).



19. Position bearing ring (44) in roof pot (35).

NOTE

Rotating bearing ring on roof pot allows for easier installation of 79 ball bearings.

20. Lightly grease 79 ball bearings (43) and install 79 ball bearings (43) through hole in roof pot (35).

WARNING



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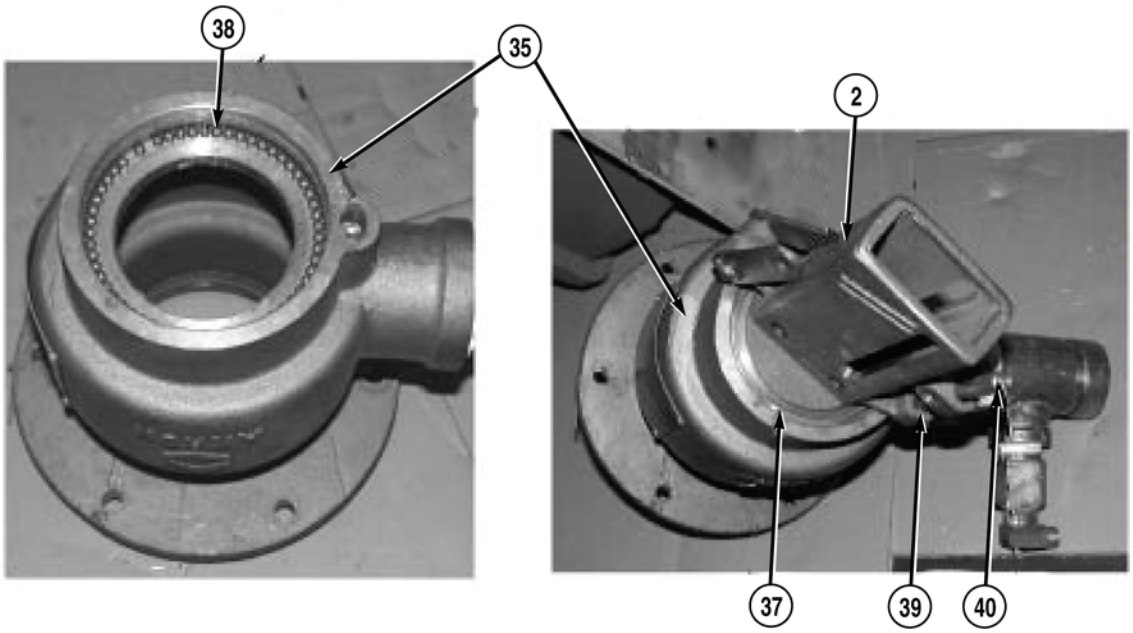
NOTE

Installing set screw too deep on roof pot will not allow roof turret to rotate properly. Set screw must be installed so that roof turret rotates properly.

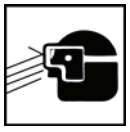
21. Apply thread lock adhesive to set screw (42).

22. Install set screw (42) on roof pot (35).

23. Place gasket (41) on roof pot (35).



WARNING



Wear safety goggles and use care when installing snap rings and retaining rings. Snap rings and retaining rings are under spring tension and can act as projectiles when released and can cause severe injury.

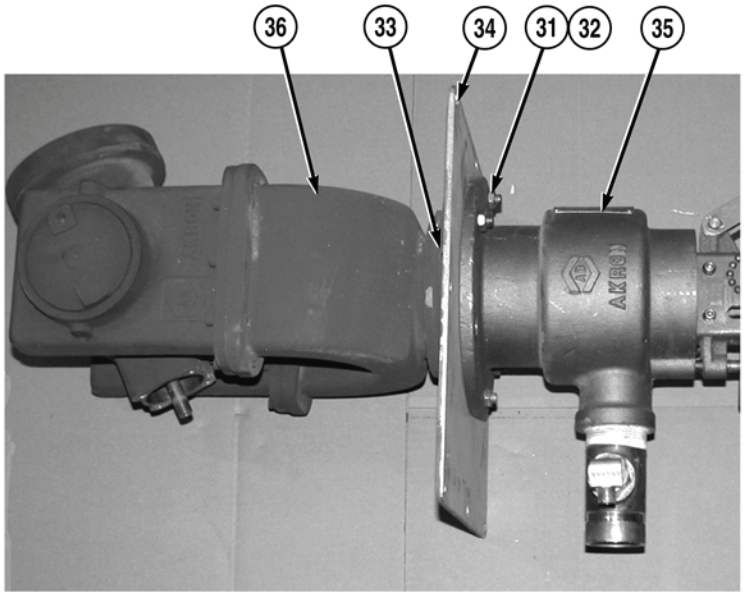
24. Install lock pin (40) on drive socket (2) with snap ring (39).

NOTE

Lightly greasing 57 ball bearings will allow ball bearings to remain in place on roof pot while positioning drive socket on roof pot.

25. Lightly grease 57 ball bearings (38) and position 57 ball bearings (38) on roof pot (35).

26. Install drive socket (2) on roof pot (35) with ring (37).



WARNING

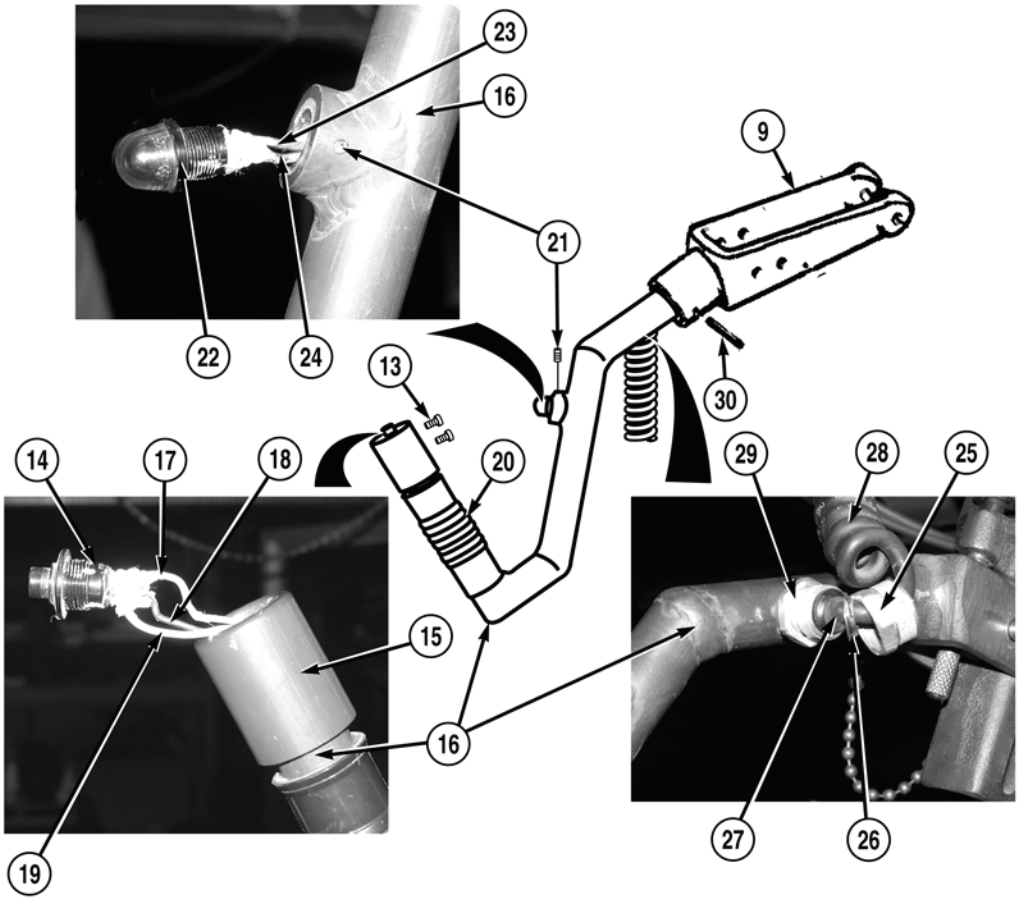


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NOTE

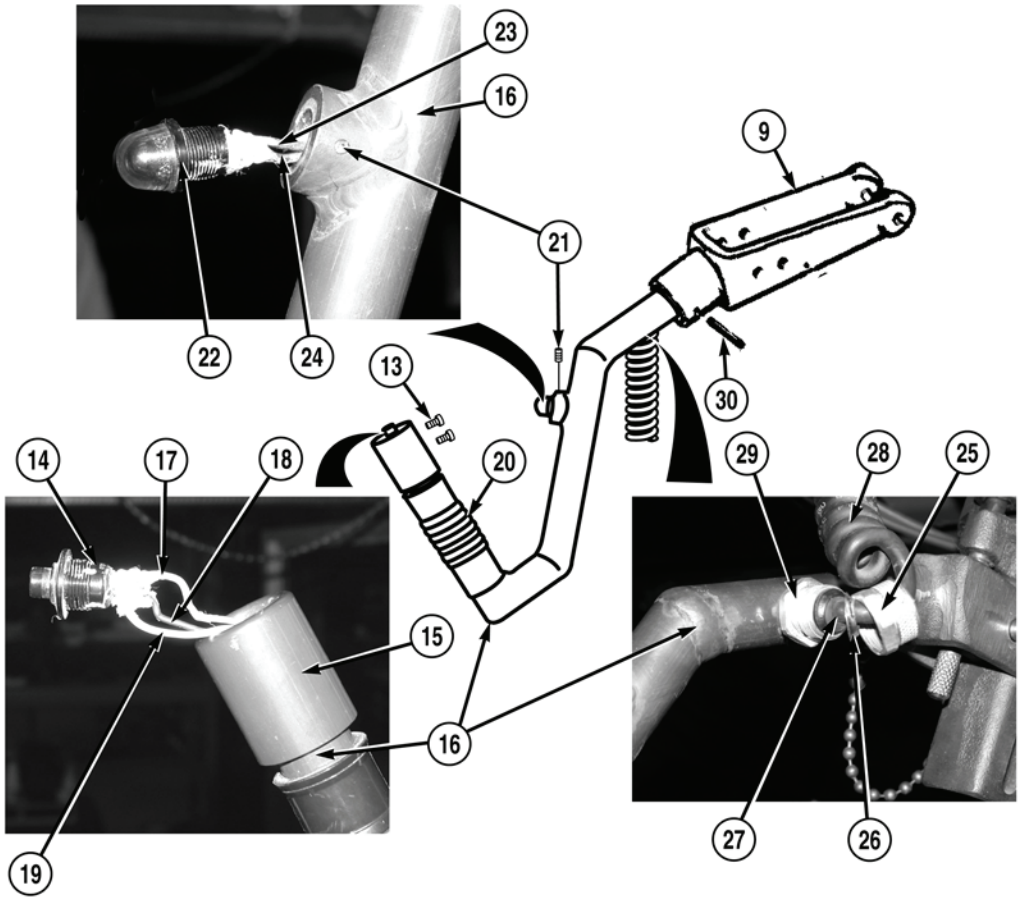
Install siamese base, mounting plate, and roof pot as noted prior to removal.

27. Apply thread lock adhesive to six screws (32).
28. Install pot flange (33), mounting plate (34), and roof pot (35) on siamese base (36) with six screws (32) and nuts (31).



29. Install handle (16) on handle yoke (9) with roll pin (30).

30. Install fitting (29) on handle (16).



31. Position collar (25), washer (26), and grommet (27) on power cable (28).
32. Install power cable (28) on handle (16) and fitting (29) and tighten collar (25).
33. Repair two wires (24) and (23) (TM 9-2320-325-14&P).

WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

34. Apply thread lock adhesive on set screw (21).
35. Install indicator (22) on handle (16) and tighten set screw (21).
36. Install grip (20) on handle (16).
37. Position cover (15) on handle (16).

38. Repair three wires (19), (18), and (17) (TM 9-2320-325-14&P).

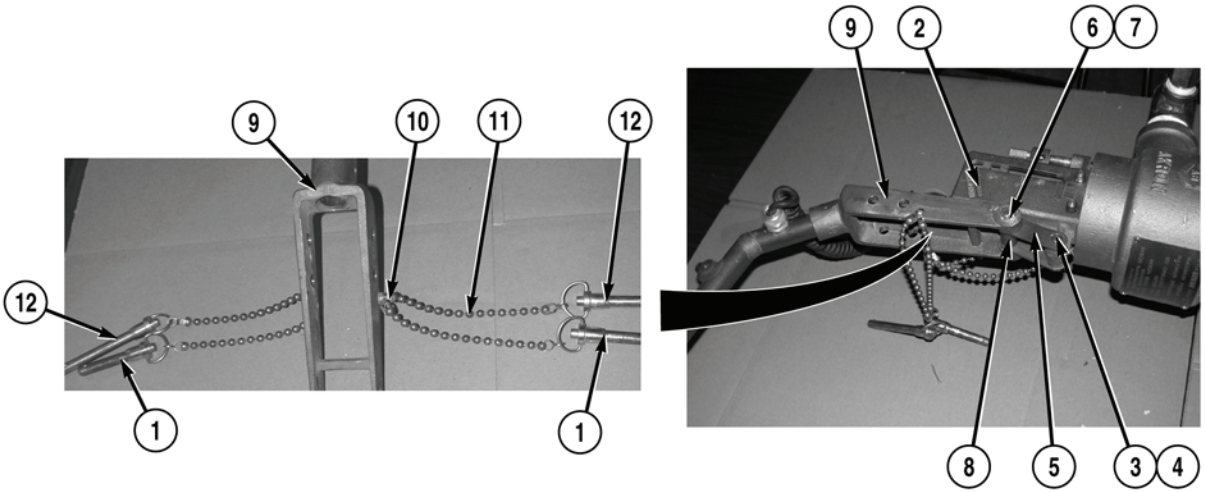
WARNING



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39. Apply thread lock adhesive to two set screws (13).

40. Install cover (15) and button (14) on handle (16) with two set screws (13).



WARNING



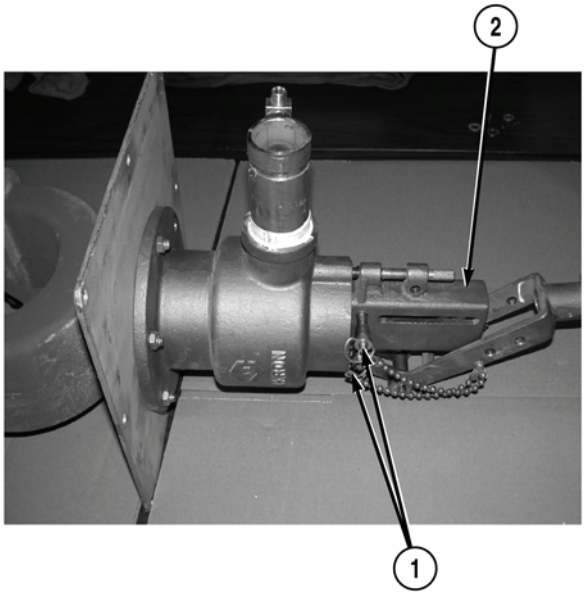
Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

41. Apply thread lock adhesive to two screws (10).

42. Install four chains (11), top security pins (1), and lower security pins (12) on handle yoke (9) with two screws (10).

43. Install two links (5) on handle yoke (9) with spacer (8), pin (7), and two cotter pins (6).

44. Install two links (5) on drive socket (2) with pin (4) and two cotter pins (3).



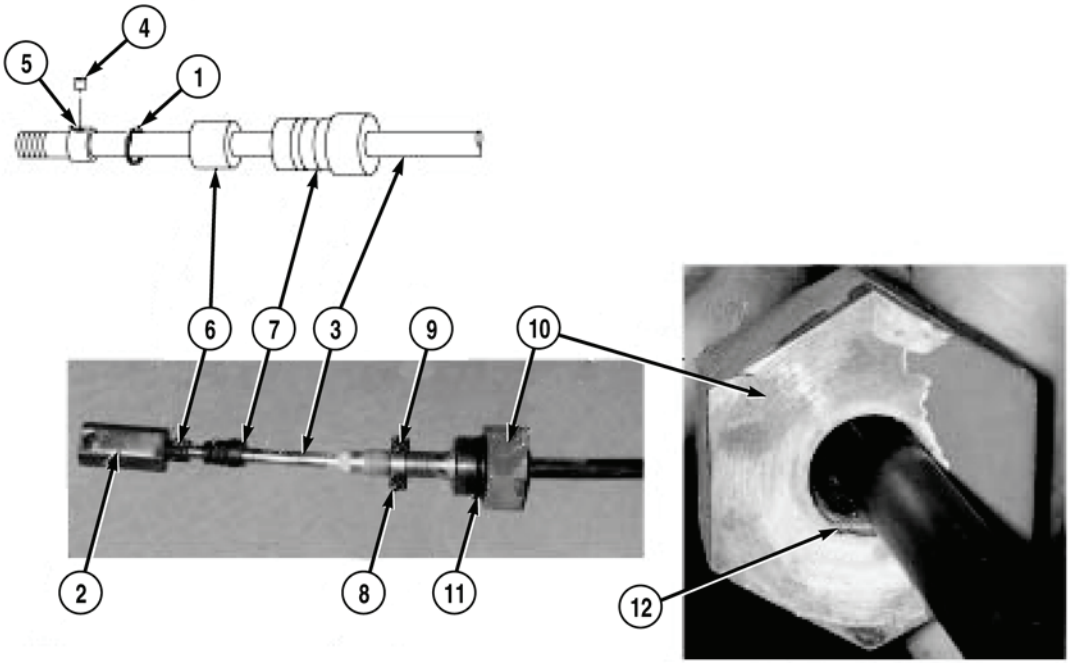
NOTE

Install two top security pins as noted prior to removal.

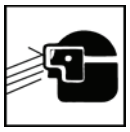
45. Install two top security pins (1) on drive socket (2).

END OF TASK

NOZZLE PATTERN HANDLE AND CABLE DISASSEMBLY



WARNING



Springs, retaining rings, and snap rings are under extreme spring tension and can act as projectiles when being removed. Ensure all personnel wear protective goggles. Failure to comply could result in serious injury to personnel.

1. Remove snap ring (1) and control cable eye swivel (2) from control cable (3). Discard snap ring.

NOTE

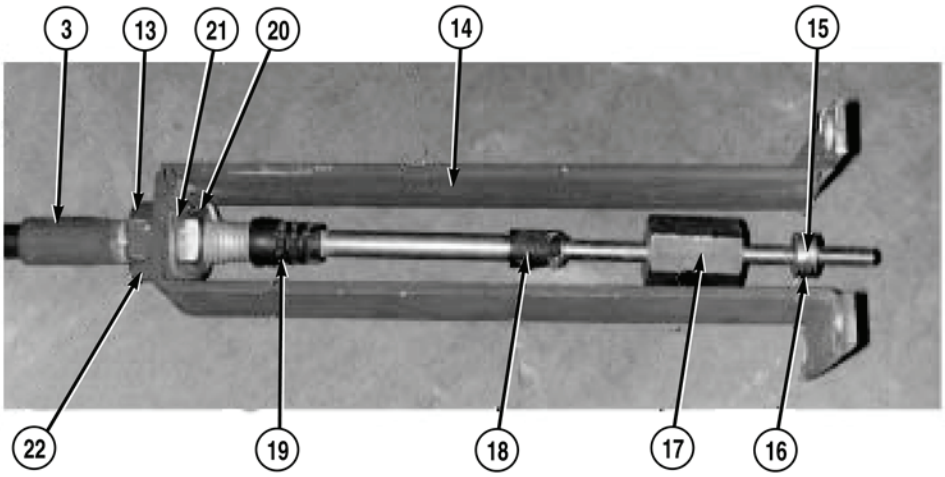
Note position of collar on control cable prior to removal.

2. Remove set screw (4) and collar (5) from control cable (3).
3. Remove two rubber collars (6) and (7) from control cable (3).

NOTE

Note position of collar on control cable prior to removal to ensure proper installation.

4. Remove set screw (8) and collar (9) from control cable (3).
5. Remove nut (10) from cable (3).
6. Remove preformed packing (11) from nut (10). Discard preformed packing.
7. Remove preformed packing (12) from inside of nut (10). Discard preformed packing.



NOTE

Perform Step (8) if control cable has not been removed from bracket.

8. Loosen nut (13) and remove bracket (14) from control cable (3).

NOTE

Note position of collar on control cable prior to removal to ensure proper installation.

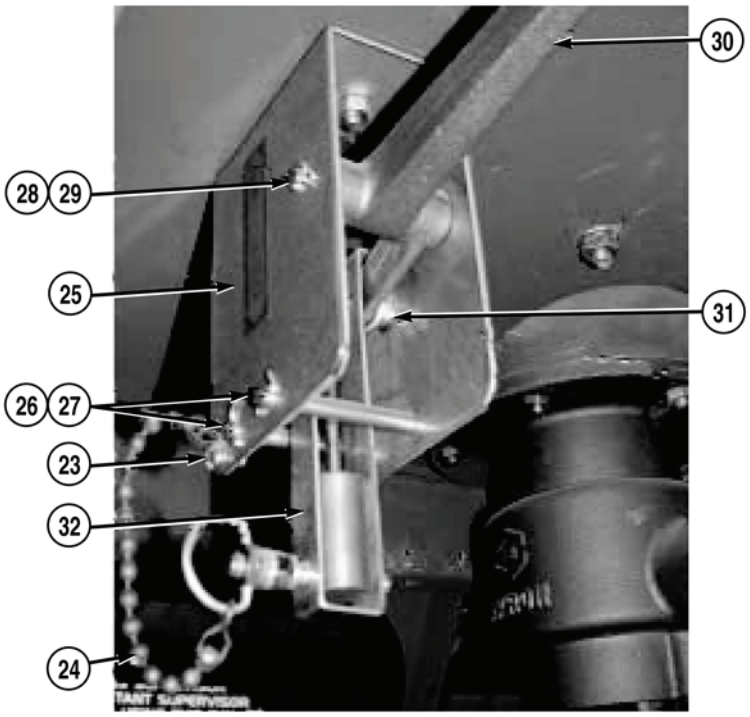
9. Remove set screw (15), collar (16), and control cable monitor nut (17) from control cable (3).

10. Remove two rubber collars (18) and (19) from control cable (3).

NOTE

Note position of nut prior to removal to ensure proper installation.

11. Remove nut (20), two washers (21) and (22), and nut (13) from control cable (3).



12. Remove screw (23) and chain (24) from lever bracket (25).
13. Remove two cotter pins (26) and pins (27), from lever bracket (25). Discard cotter pins.
14. Remove cotter pin (28), pin (29), and nozzle pattern lever (30) from lever bracket (25). Discard cotter pin.

NOTE

Note position of retaining pins on nozzle pattern lever and control cable connector prior to removal to ensure proper installation.

15. Remove two retaining pins (31) and control cable connector (32) from nozzle pattern lever (30).

END OF TASK

NOZZLE PATTERN HANDLE AND CABLE CLEANING AND INSPECTION

WARNING



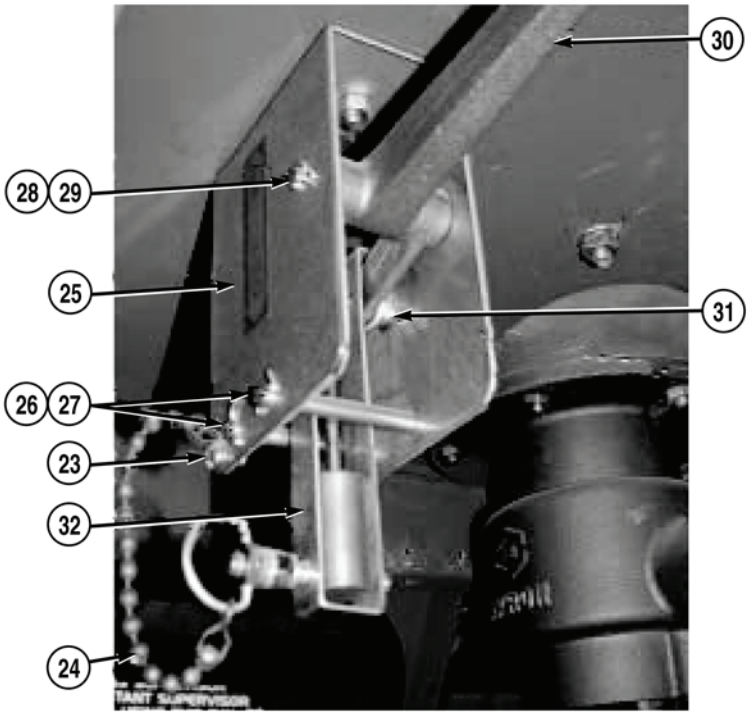
Solvent cleaning compound MIL-PRF-680 Type II and III may be irritating to the eyes and skin. Use protective gloves and goggles. Use in well-ventilated areas. Use respirator as needed. Accidental ingestion can cause irritation of digestive tract and respiratory tract, may cause lung and central nervous system damage. Can be fatal if swallowed. Inhalation of high/massive concentrations can cause coma or be fatal. First aid for ingestion: do not induce vomiting. Seek immediate medical attention. First aid for skin contact: remove contaminated clothing. Wash skin thoroughly with soap and water. If symptoms persist, seek medical attention. First aid for eye contact: flush with water for 15 minutes or until irritation subsides. If symptoms persist, seek medical attention. First aid for inhalation: move to fresh air. If not breathing, provide artificial respiration. If symptoms persist, seek medical attention. Keep away from open flames and other sources of ignition. Failure to follow this warning may result in injury or death to personnel.

- **The flashpoint for Type II solvent cleaning compound is 141 to 198ºF (61 to 92ºC) and Type III is 200 to 241ºF (93 to 116ºC).**
- **Improper cleaning methods and use of unauthorized cleaning solvents may injure personnel and damage equipment.**
- **Fire extinguishers should be placed nearby when using solvent cleaning compound. Failure to follow this warning may result in injury or death.**
- **Cloths or rags saturated with solvent cleaning compound must be disposed of IAW authorized facilities' procedures. Failure to follow this warning may result in injury.**
- **Eye shields must be worn when cleaning with a wire brush. Flying rust and metal particle may cause injury.**

1. Clean all metallic parts with solvent cleaning compound.
2. Dry all parts, with compressed air.
3. Inspect all parts for damage.
4. Replace damaged parts.

END OF TASK

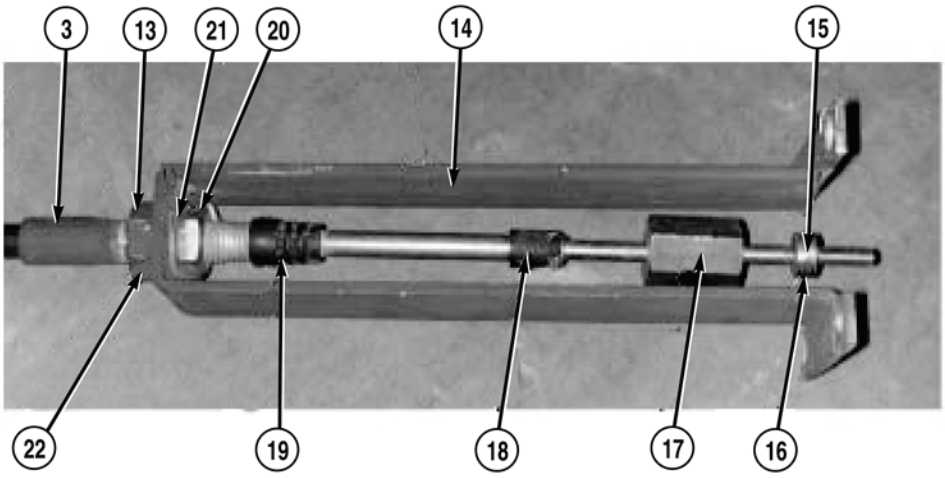
NOZZLE PATTERN HANDLE AND CABLE ASSEMBLY



NOTE

Install retaining pins on nozzle pattern lever and control cable connector as noted prior to removal.

1. Install control cable connector (32) on nozzle pattern lever (30) with two retaining pins (31).
2. Install nozzle pattern lever (30) on lever bracket (25) with pin (29) and cotter pin (28).
3. Install two pins (27) on lever bracket (25) with two cotter pins (26).
4. Install chain (24) on lever bracket (25) with screw (23).



NOTE

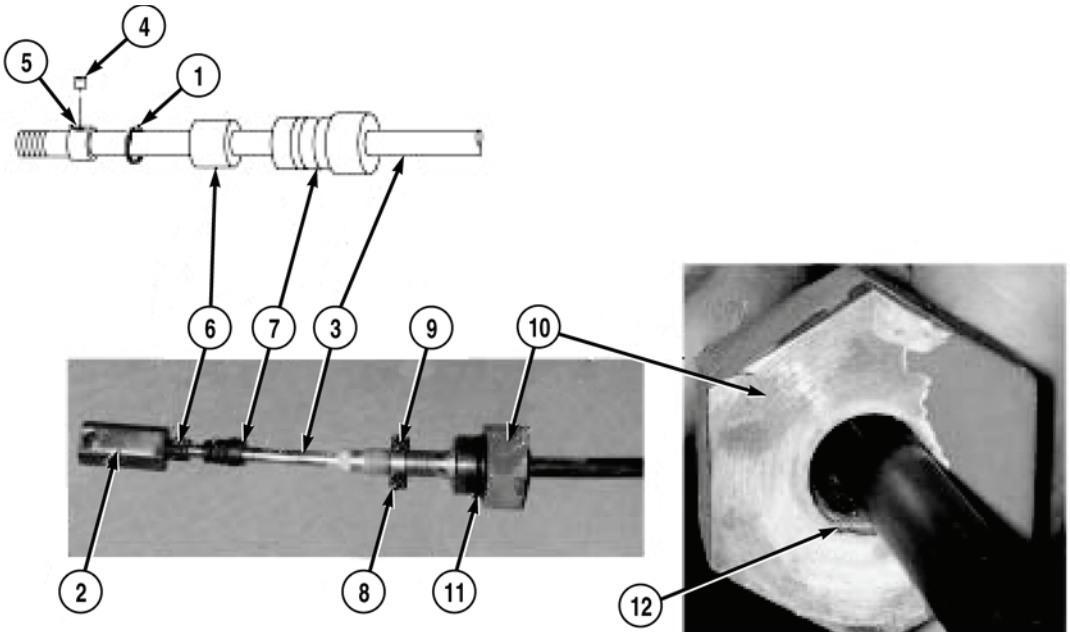
Install nut (20) as noted prior to removal.

5. Install nut (13), two washers (22) and (21), and nut (20) on control cable (3). Do not tighten nut (20).
6. Install two rubber collars (19) and (18) on cable (3).
7. Position control cable monitor nut (17) on cable (3).

NOTE

Install collar on control cable as noted prior to removal.

8. Install collar (16) on control cable (3) with set screw (15).
9. Install bracket (14) on control cable (3) and tighten nut (13).



10. Apply silicone lubricant on preformed packing (12) and install preformed packing (12) on nut (10).
11. Apply silicone lubricant on preformed packing (11) and install preformed packing (11) on nut (10).
12. Position nut (10) on control cable (3).

NOTE

Install collar on control cable as noted prior to removal.

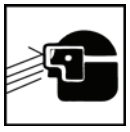
13. Install collar (9) on control cable (3) with set screw (8).
14. Install two rubber collars (6) and (7) on control cable (3).

NOTE

Install collar on control cable as noted prior to removal.

15. Install collar (5) on control cable (3) with set screw (4).

WARNING



Wear safety goggles and use care when installing snap rings and retaining rings. Snap rings and retaining rings are under spring tension and can act as projectiles when released and can cause severe injury.

16. Install cable eye swivel (2) on control cable (3) with snap ring (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Install roof turret, automatic drain valve, and controls (WP 0579)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

WINDSHIELD DELUGE SHUTOFF VALVE AND STRAINER ASSEMBLY REPLACEMENT

INITIAL SETUP:

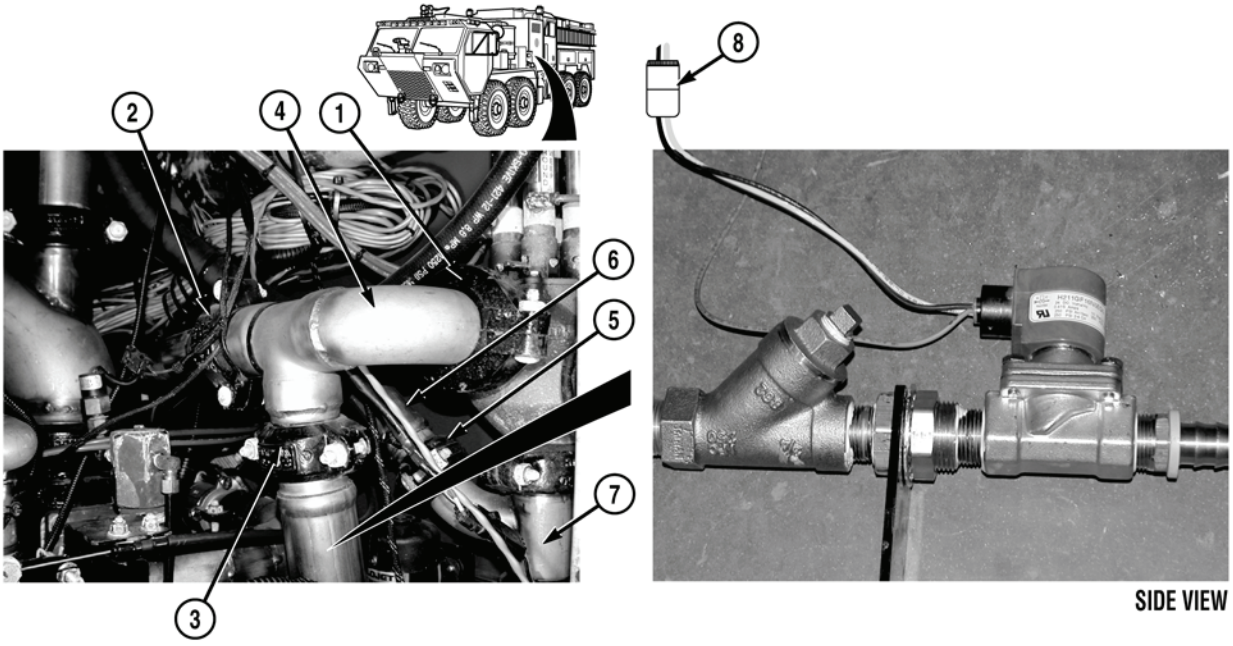
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Compound, Sealing, Pipe Thread (WP 0625, Item 21)
Tags, Identification (WP 0625, Item 51)
Ties, Cable, Plastic (WP 0625, Item 58)
Lockwasher (1)

References
WP 0483
WP 0615, Fig. 172

Equipment Conditions
Water pump engine air cleaner assembly removed (WP 0220)
Water system drained (WP 0041)
Pump house panel Q removed (WP 0540)

REMOVAL

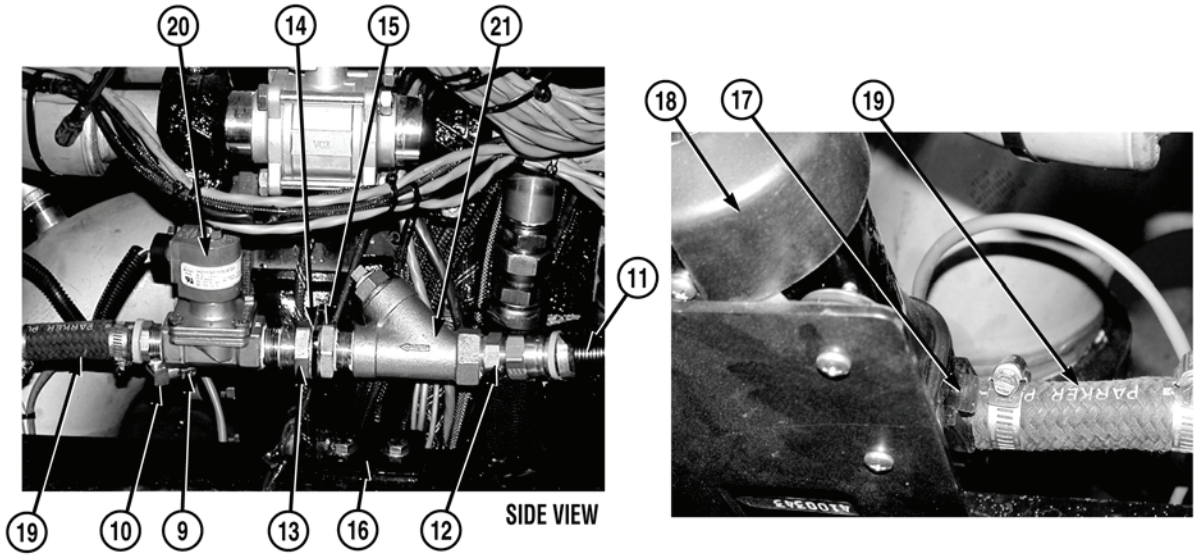


SIDE VIEW

NOTE

- Remove cable ties as required.
- Tag and mark hoses prior to removal to ensure proper installation.
- Moving pipe and hose allows for easier removal of window deluge shutoff valve.

1. Remove three couplings (1), (2), and (3) and pipe (4) from vehicle (WP 0483).
2. Remove coupling (5) from hose (6) and pipe (7), and move hose (6) upwards (WP 0483).
3. Disconnect connector (8).

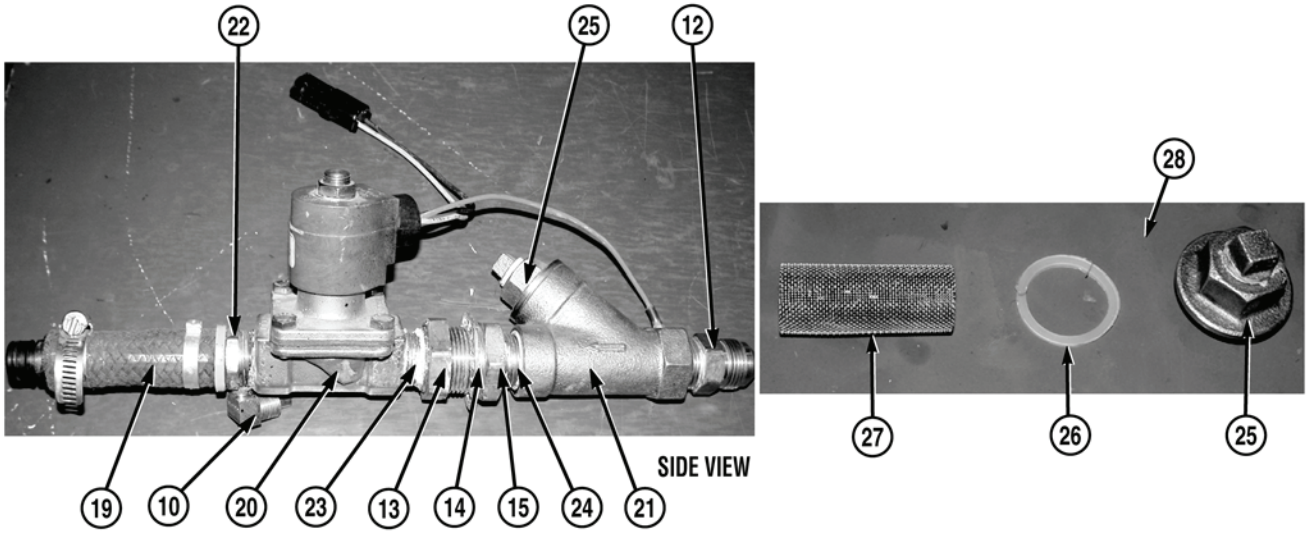


4. Remove drain line (9) from elbow (10).
5. Remove hose (11) from fitting (12).
6. Loosen nut (13) and lockwasher (14), and remove bulkhead fitting (15) from bracket (16).

NOTE

Removal of windshield deluge shutoff valve and strainer assembly requires lifting retainer clip on side of windshield deluge motor and removing hose and adapter from windshield deluge motor.

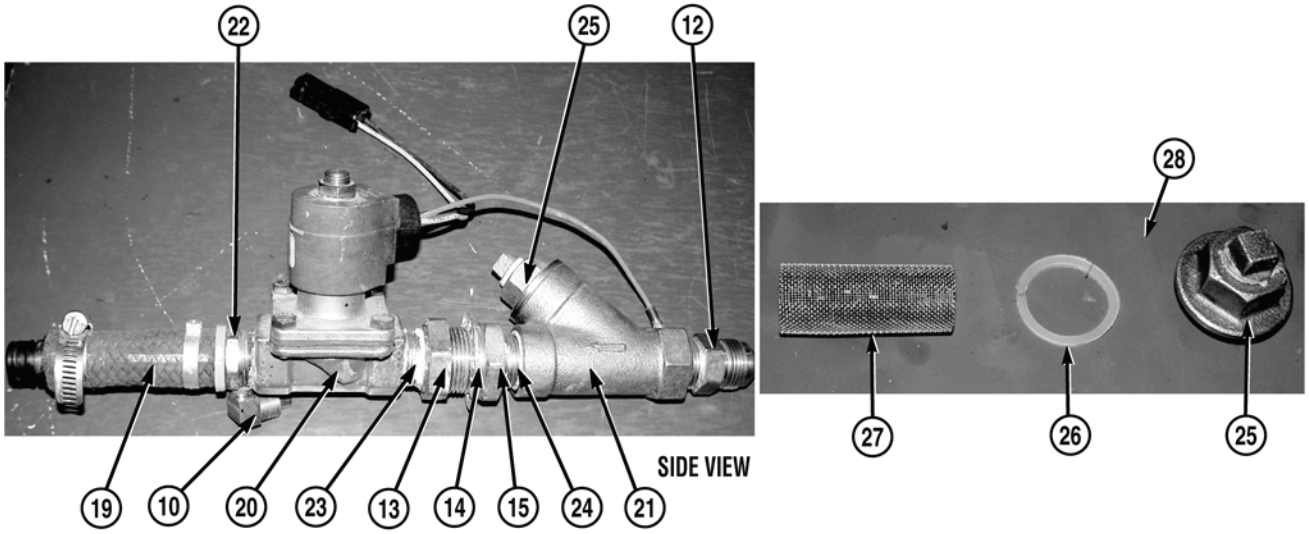
7. Lift retainer clip (17) on windshield deluge motor (18) and remove hose (19), windshield deluge shutoff valve (20) and strainer (21) from vehicle.



8. Remove elbow (10) from fitting (22).
9. Remove fitting (22) from windshield deluge shutoff valve (20).
10. Remove hose (19) from fitting (22).
11. Remove bulkhead fitting (15) and nipple (23) from windshield deluge shutoff valve (20).
12. Remove fitting (12) from strainer (21).
13. Remove bulkhead fitting (15) and nipple (24) from strainer (21).
14. Remove cap (25), gasket (26), and screen (27) from strainer (21).
15. Remove plug (28) from cap (25).
16. Remove two nipples (23) and (24) from bulkhead fitting (15).
17. Remove nut (13) and lockwasher (14) from bulkhead fitting (15). Discard lockwasher.

END OF TASK

INSTALLATION



1. Install lockwasher (14) and nut (13) on bulkhead fitting (15).

WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

CAUTION

Use pipe thread sealing compound sparingly only on pipe threads. Do not apply compound to hose connections. Damage to equipment may result.

NOTE

Install cable ties as required.

2. Apply sealing compound to threads of plug (28), two nipples (23) and (24), two fittings (12) and (22) and elbow (10).
3. Install two nipples (24) and (23) on bulkhead fitting (15).
4. Install plug (28) on cap (25).

CAUTION

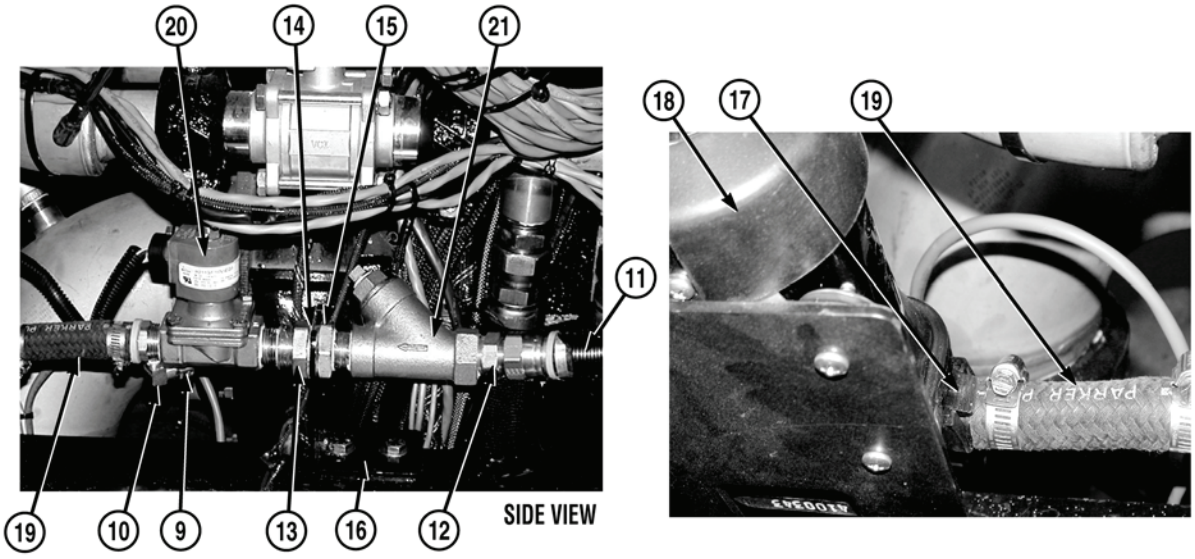
Do not damage screen when positioning screen in cap and strainer. Failure to comply may result in damage to screen.

5. Install screen (27), gasket (26), and cap (25) on strainer (21).
6. Install nipple (24) and bulkhead fitting (15) on strainer (21).
7. Install fitting (12) on strainer (21).
8. Install nipple (23) and bulkhead fitting (15) on windshield deluge shutoff valve (20).

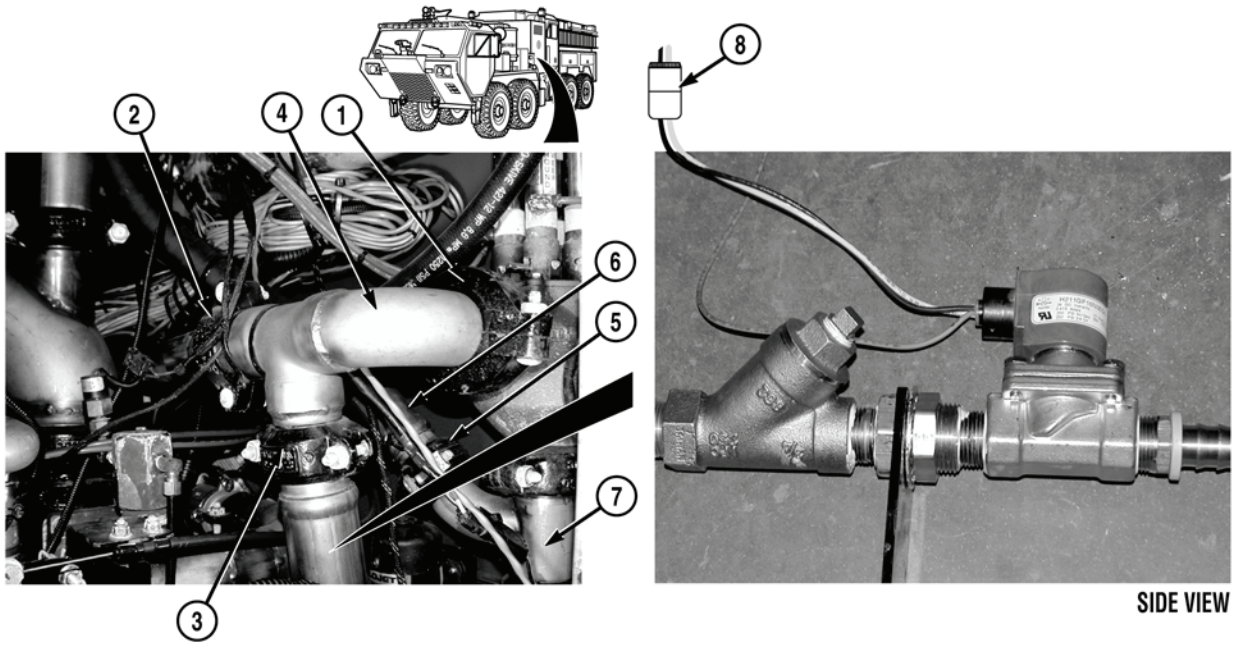
CAUTION

Fitting must be positioned on windshield deluge shutoff valve with port for attaching elbow in the down position. Failure to place fitting in down position will not allow assembly to drain properly and may cause damage to equipment.

9. Install fitting (22) on windshield deluge shutoff valve (20).
10. Attach hose (19) on fitting (22).
11. Install elbow (10) on fitting (22).



12. Install hose (19) on windshield deluge motor (18) and secure retainer clip (17).
13. Install bulkhead fitting (15) on bracket (16) and tighten lockwasher (14) and nut (13).
14. Install hose (11) on fitting (12).
15. Install drain line (9) on elbow (10).



16. Correct connector (8).
17. Lower hose (6) and install coupling (5) on hose (6) and pipe (7) (WP 0483).
18. Install pipe (4) and three couplings (3), (2), and (1) on vehicle (WP 0483).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Install pump house panel Q (WP 0540)
2. Install water pump engine air cleaner assembly (WP 0220)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR CABLES REPLACEMENT

INITIAL SETUP:

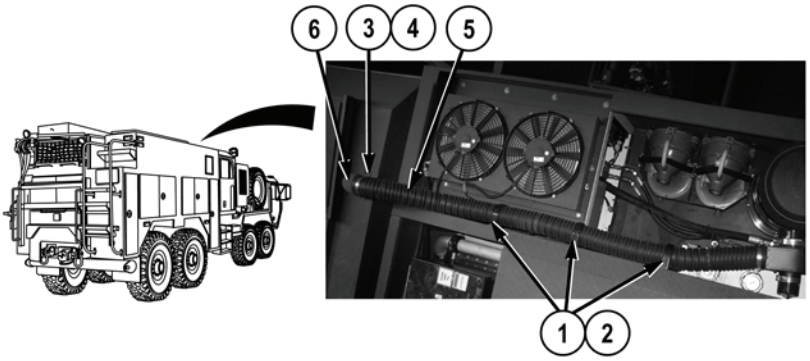
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Tags, Identification (WP 0625, Item 51)
Ties, Cable, Plastic (WP 0625, Item 58)
Locknut (4)

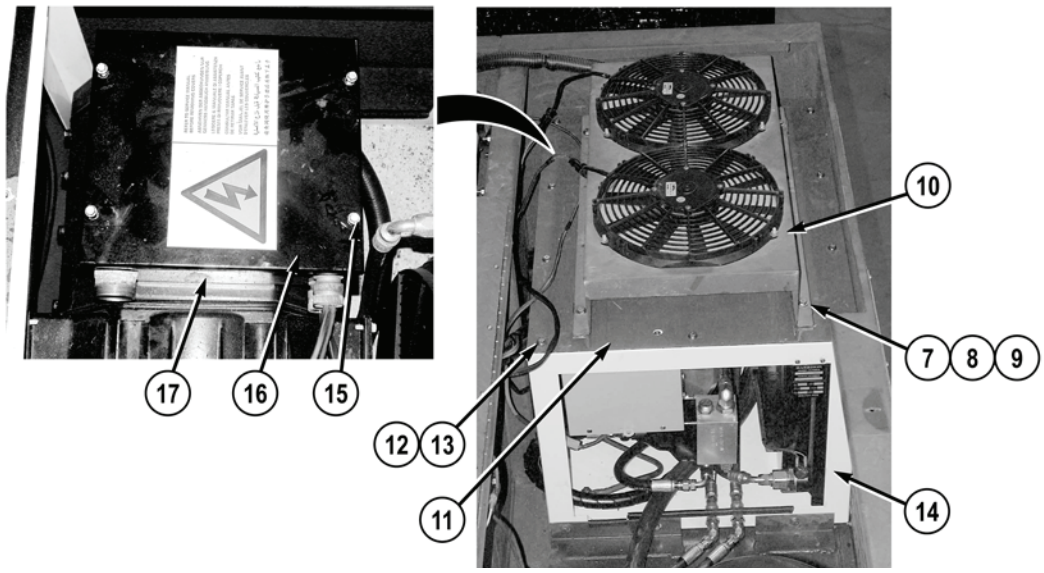
References
WP 0614, Fig. WP 8
WP 0615, Fig. 175, 176, 177

Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (TM 9-2320-347-10)
Wheels chocked (TM 9-2320-347-10)
Batteries disconnected (TM 9-2320-325-14&P)

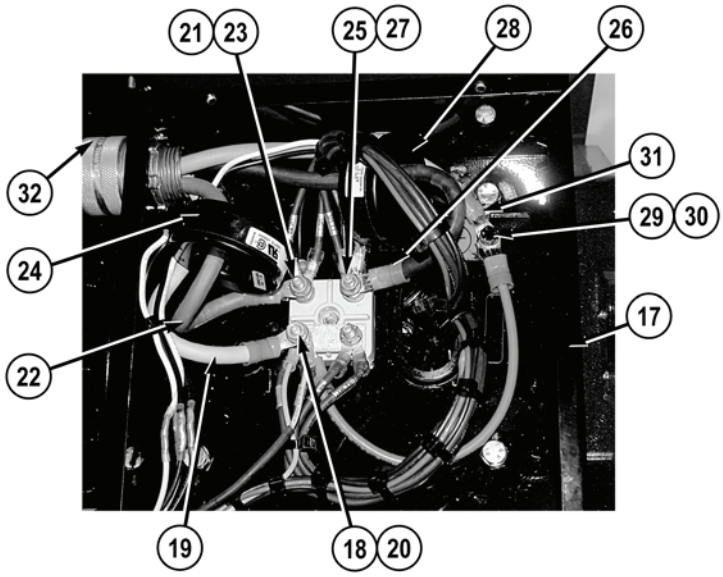
REMOVAL



1. Remove three screws (1) and loop clamps (2) from vehicle.
2. Loosen screw (3) and remove hose clamp (4) and hose (5) from elbow (6).
3. Move hose (5) out of the way.



4. Remove four locknuts (7), eight washers (8), four screws (9), and air conditioning fan assembly (10) from hydraulic generator cover (11), and move air conditioning assembly (10) out of the way. Discard locknuts.
5. Remove ten screws (12), washers (13), and hydraulic generator cover (11) from hydraulic generator (14).
6. Remove four screws (15) and access cover (16) from electrical box (17).

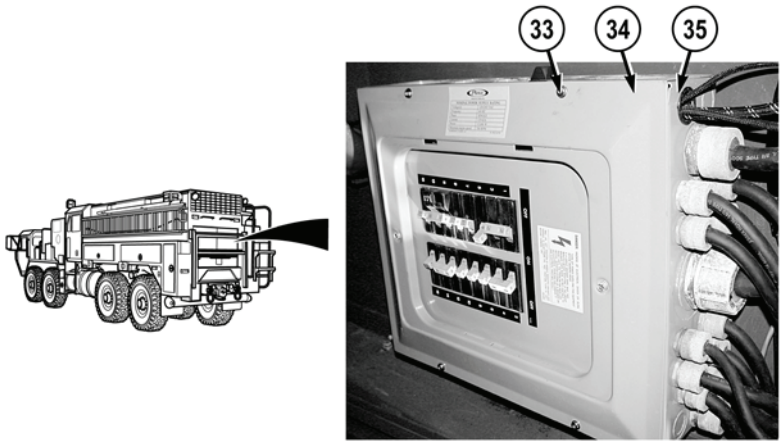


NOTE

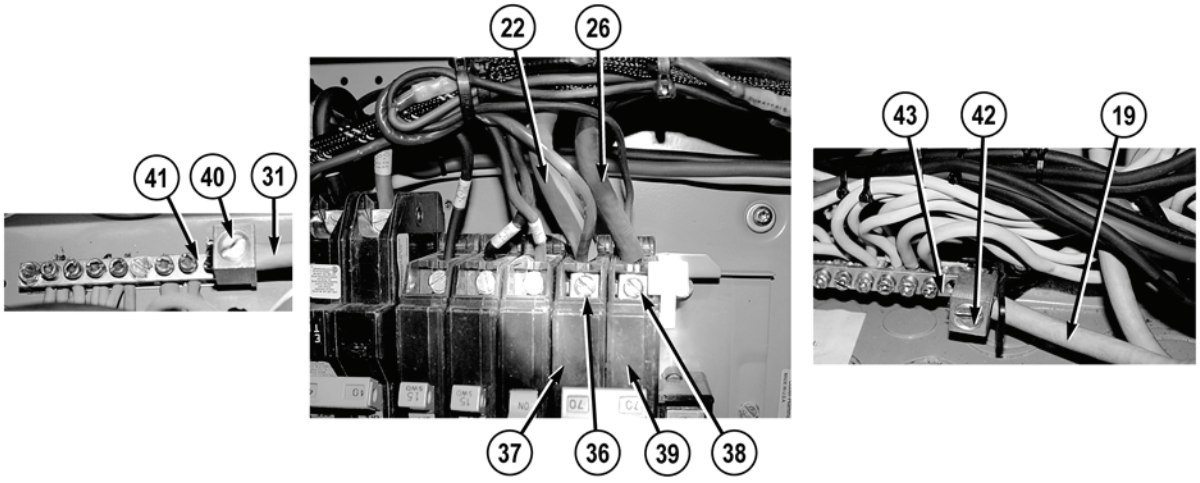
- Tag and mark wires prior to removal to ensure proper installation.
- Remove cable ties and cushion clips as required.

7. Remove nut (18) and wire (19) from stud (20).
8. Remove nut (21) and wire (22) from stud (23) and pull wire (22) through current transformer (24).

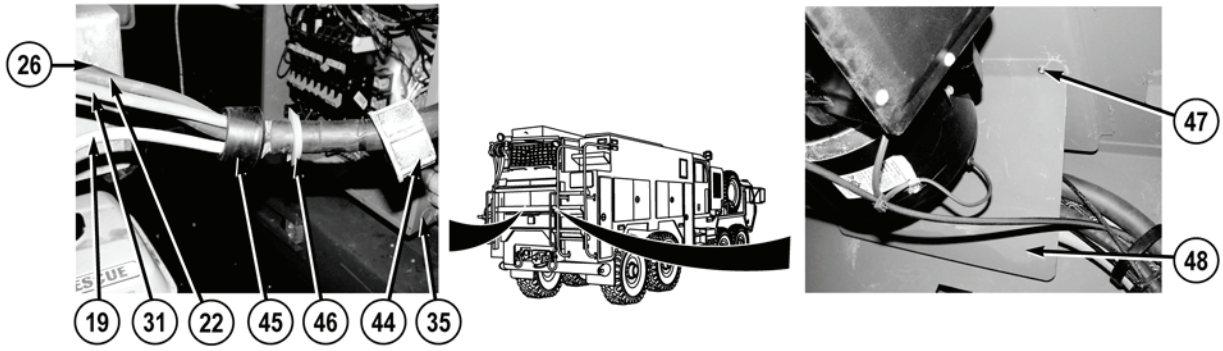
9. Remove nut (25) and wire (26) from stud (27) and pull wire (26) through current transformer (28).
10. Remove screw (29), washer (30), and wire (31) from electrical box (17).
11. Loosen screw (32) and remove four wires (19), (22), (26), and (31) from electrical box (17).



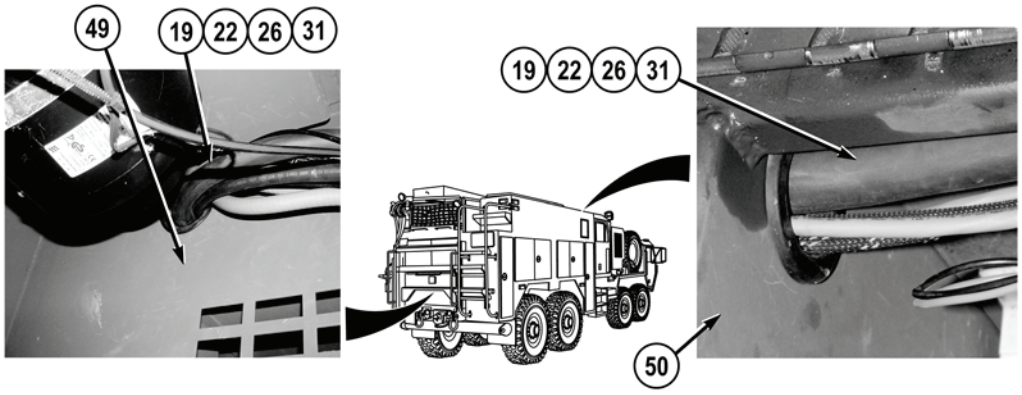
12. Remove four screws (33) and breaker box cover (34) from breaker box (35).



13. Loosen screw (36) and remove wire (22) from breaker (37).
14. Loosen screw (38) and remove wire (26) from breaker (39).
15. Loosen screw (40) and remove wire (31) from bus bar (41).
16. Loosen screw (42) and remove wire (19) from bus bar (43).



17. Remove collar (44) and four wires (19), (22), (26), and (31) from breaker box (35).
18. Remove stopper (45), grommet (46), and collar (44) from four wires (19), (22), (26), and (31).
19. Remove two screws (47) and cover (48) from vehicle.



NOTE

Note position of wires prior to removal to ensure proper installation.

20. Pull four wires (19), (22), (26), and (31) through two panels (49) and (50) and remove four wires (19), (22), (26), and (31) from vehicle.

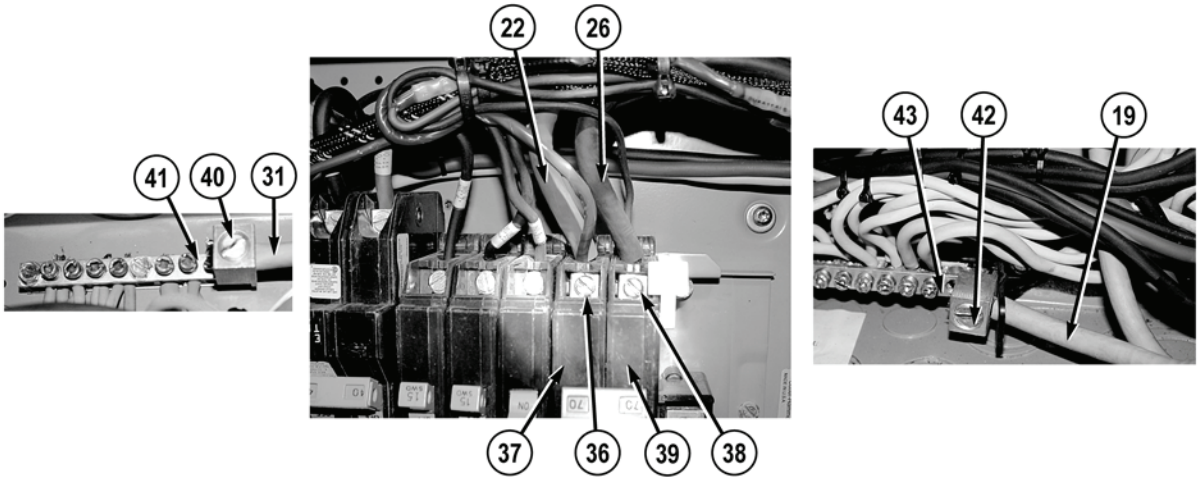
END OF TASK

INSTALLATION

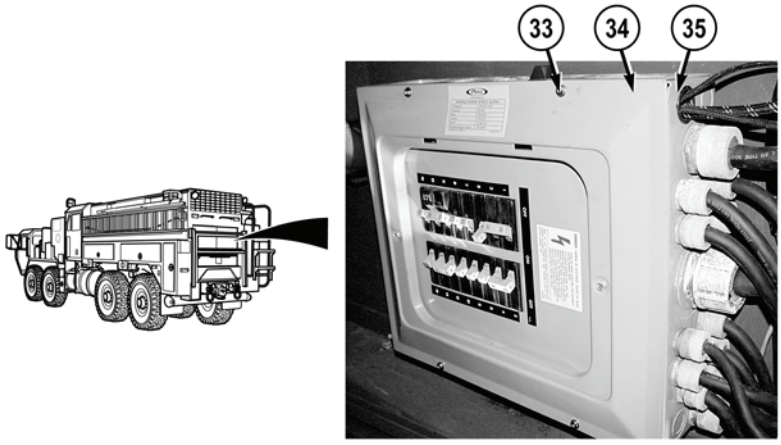
NOTE

Install wires in same position as noted prior to removal

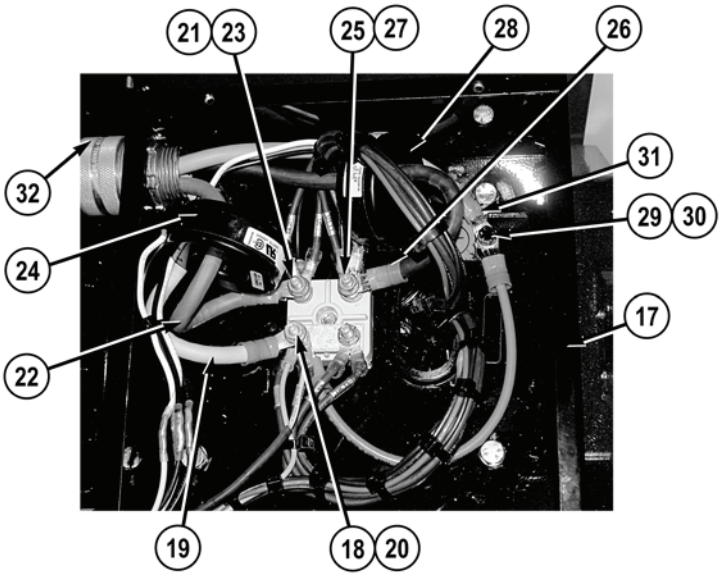
1. Feed four wires (31), (26), (22), and (19) through two panels (50) and (49) and position on vehicle.
2. Install cover (48) on vehicle with two screws (47).
3. Install grommet (46), stopper (45), and collar (44) on four wires (31), (26), (22), and (19).
4. Install four wires (31), (26), (22), (19), and collar (44) on breaker box (35).



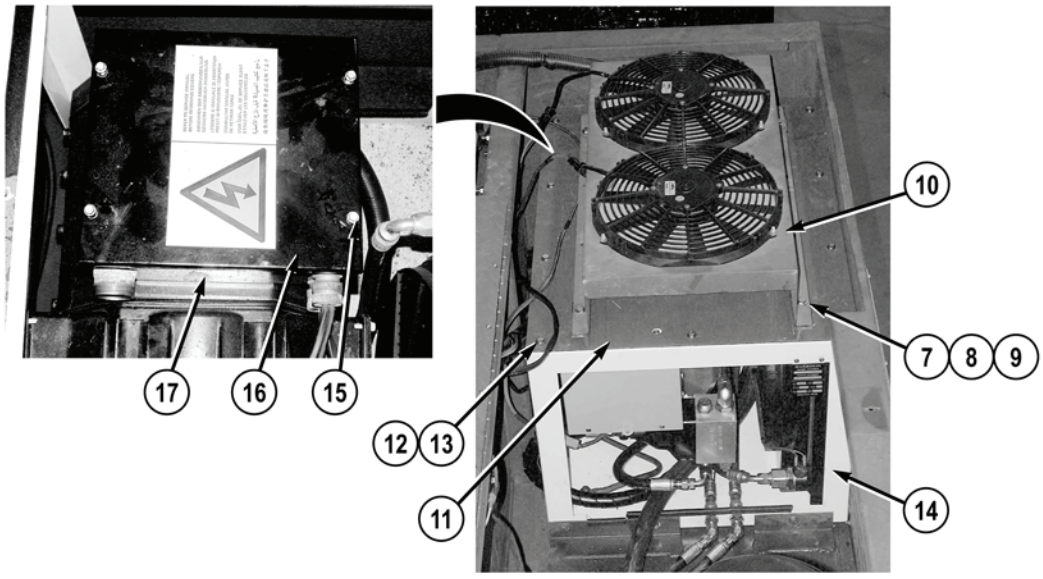
5. Install wire (19) on bus bar (43) and tighten screw (42).
6. Install wire (31) on bus bar (41) and tighten screw (40).
7. Install wire (26) on breaker (39) and tighten screw (38).
8. Install wire (22) on breaker (37) and tighten screw (36).



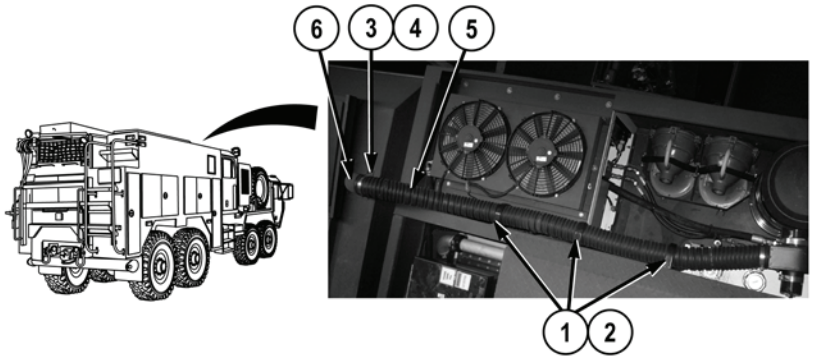
9. Install breaker box cover (34) on breaker box (35) with four screws (33).



10. Install four wires (31), (26), (22), and (19) on electrical box (17) and tighten collar (32).
11. Install wire (31), washer (30), and screw (29) on electrical box (17).
12. Feed wire (26) through current transformer (28) and install wire (26) on stud (27) with nut (25).
13. Feed wire (22) through current transformer (24) and install wire (22) on stud (23) with nut (21).
14. Install wire (19) on stud (20) with nut (18).



15. Install access cover (16) on electrical box (17) with four screws (15).
16. Install hydraulic generator cover (11) on hydraulic generator (14) with ten washers (13) and screws (12).
17. Install air conditioning fan assembly (10) on hydraulic generator cover (11) with four screws (9), eight washers (8) and four locknuts (7).



18. Install hose (5), hose clamp (4) on elbow (6) and tighten screw (3).
19. Attach hose (5) on vehicle with three loop clamps (2) and screws (1).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Connect batteries (TM 9-2320-325-14&P)
2. Remove wheel chocks (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR COMPENSATOR REPLACEMENT

INITIAL SETUP:

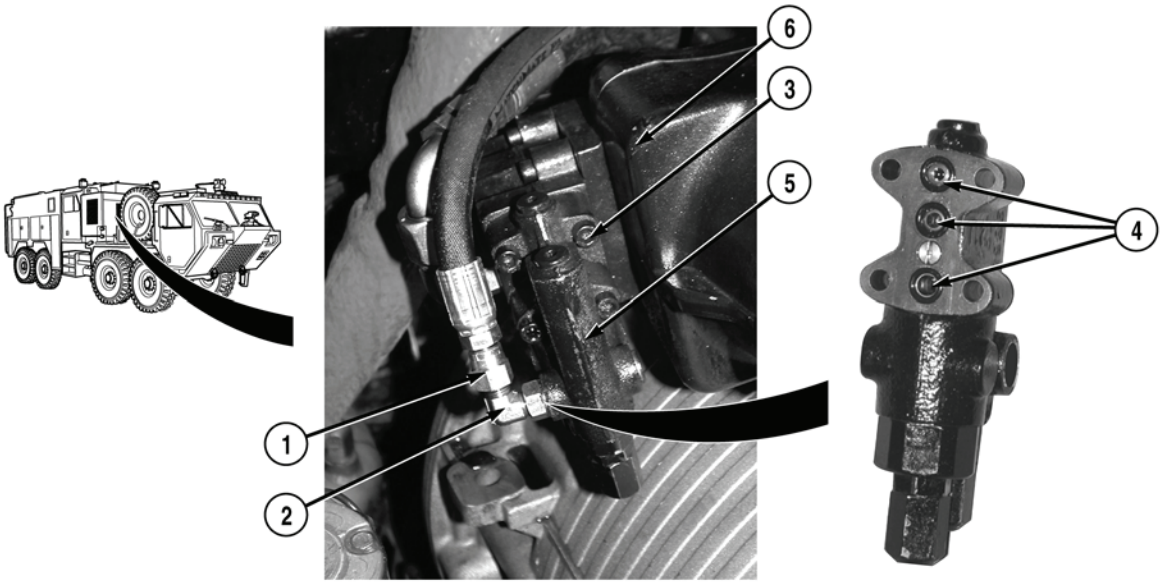
Tools and Special Tools
Drain Pan (WP 0622, Item 9)
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Oil, Lubricating (WP 0625, Item 38)
Preformed Packing (3)

References
WP 0615, Fig. 179

Equipment Conditions
Hydraulic reservoir drained (WP 0588)
Pump house panel G removed (WP 0540)

REMOVAL



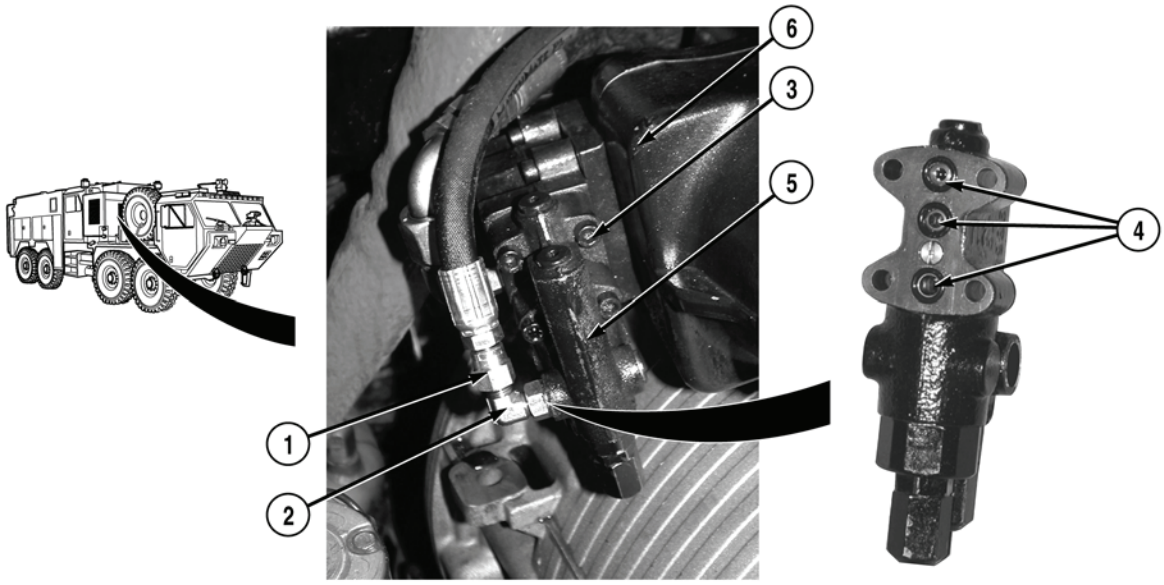
NOTE

Position suitable container under vehicle to catch excess hydraulic oil.

1. Remove hose (1) from elbow (2).
2. Remove four screws (3), three preformed packings (4), and hydraulic generator compensator (5) from PTO pump (6). Discard preformed packings.
3. Remove elbow (2) from hydraulic generator compensator (5).

END OF TASK

INSTALLATION



1. Apply lubricating oil to three preformed packings and install elbow (2) and three preformed packings (4) on hydraulic generator compensator (5).
2. Install hydraulic generator compensator (5) on PTO pump (6) with four screws (3).
3. Install hose (1) on elbow (2).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Fill hydraulic reservoir (WP 0588)
2. Adjust hydraulic generator compensator (WP 0192)
3. Install pump house panel G (WP 0540)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR DIGITAL DISPLAY MODULE REPLACEMENT

INITIAL SETUP:

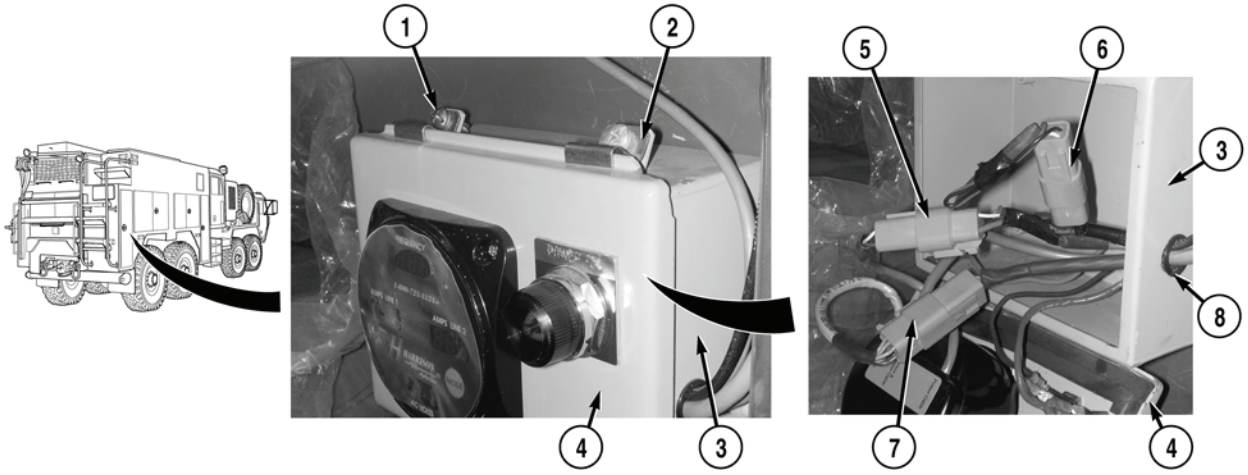
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Tags, Identification (WP 0625, Item 51)
Ties, Cable, Plastic (WP 0625, Item 58)

References
WP 0615, Fig. 177

Equipment Conditions
Water pump engine OFF (WP 0022)
Batteries disconnected (TM 9-2320-325-14&P)

REMOVAL

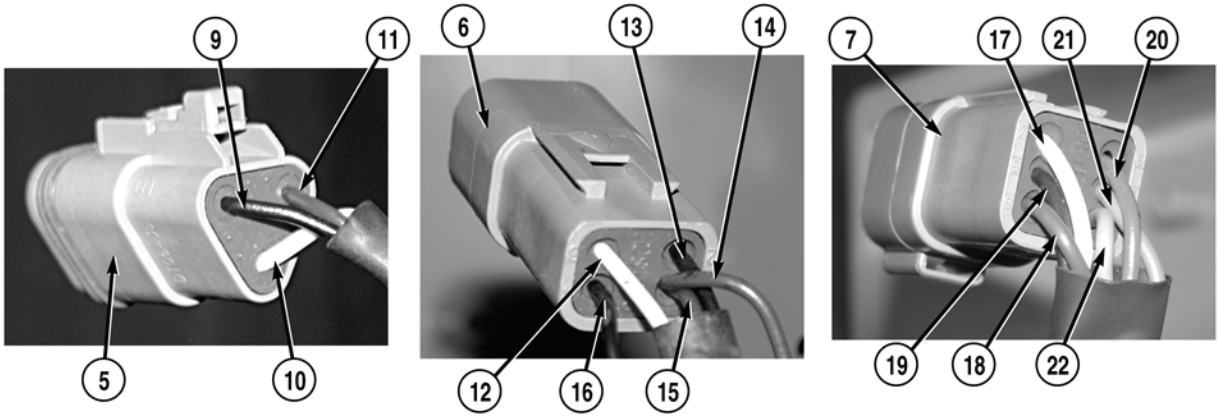


1. Remove two screws (1) and brackets (2) from digital display box (3) and panel (4).

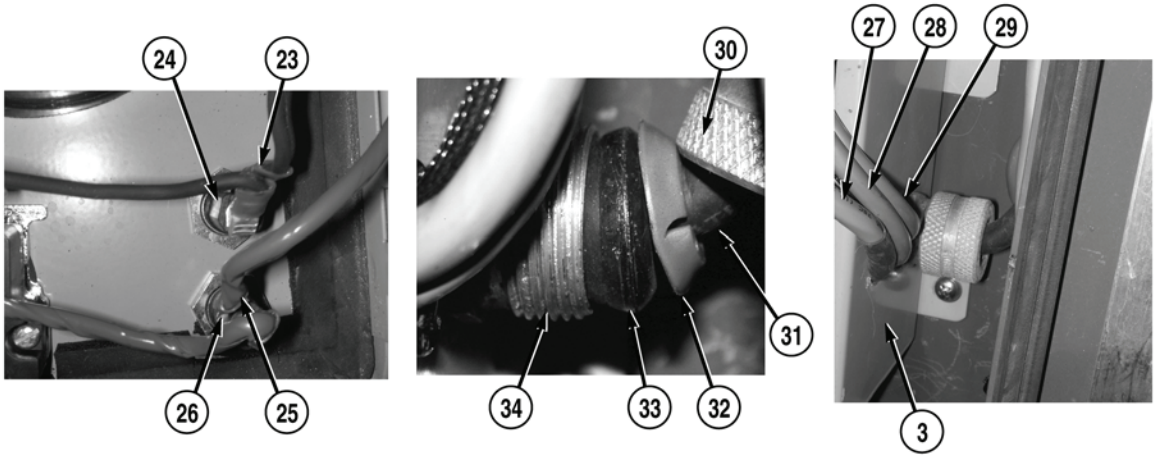
NOTE

- Tag and mark connectors and wires prior to removal to ensure proper installation.
- Remove cable ties as required.

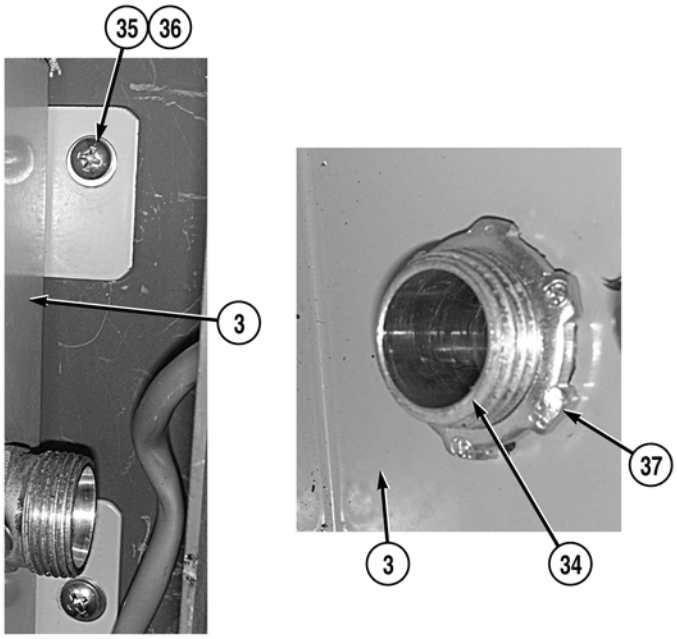
2. Open panel (4), disconnect three connectors (5), (6), and (7) and remove grommet (8) from digital display box (3).



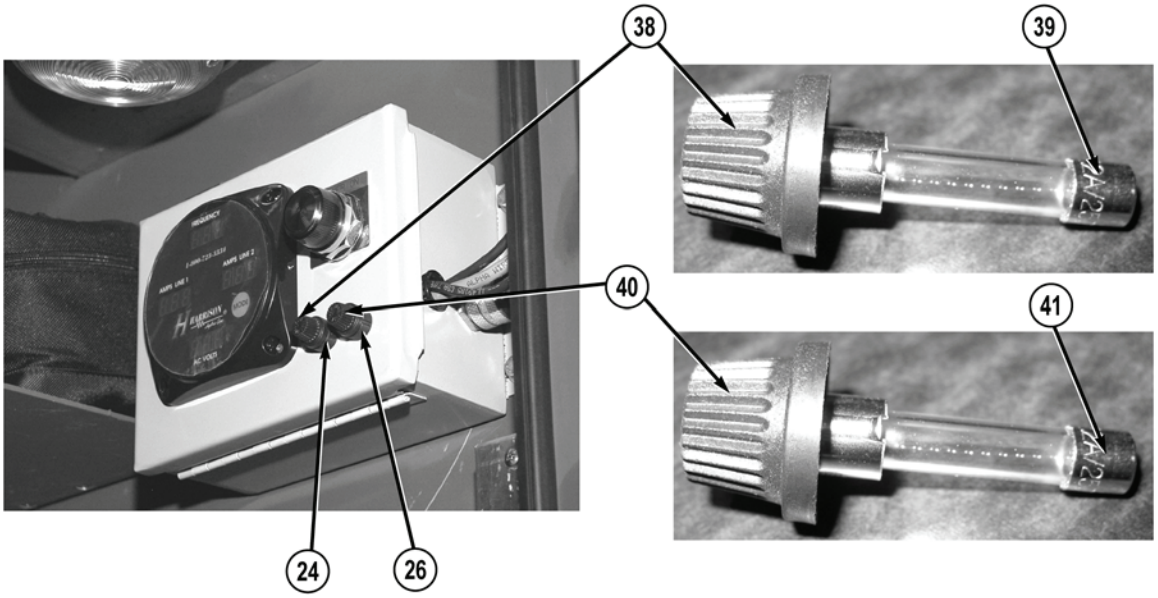
3. Remove wires (9), (10), and (11) from connector (5).
4. Remove wires (12), (13), (14), (15), and (16) from connector (6).
5. Remove wires (17), (18), (19), (20), (21), and (22) from connector (7).



6. Remove wire (23) from fuse holder (24).
7. Remove wire (25) from fuse holder (26).
8. Remove cables (27), (28), and (29) from digital display box (3).
9. Remove collar (30), cable (31), grommet (32), and stopper (33) from fitting (34).
10. Remove stopper (33), grommet (32), and collar (30) from cable (31).



11. Remove four screws (35), washers (36), and digital display box (3) from vehicle.
12. Remove nut (37) and fitting (34) from digital display box (3).

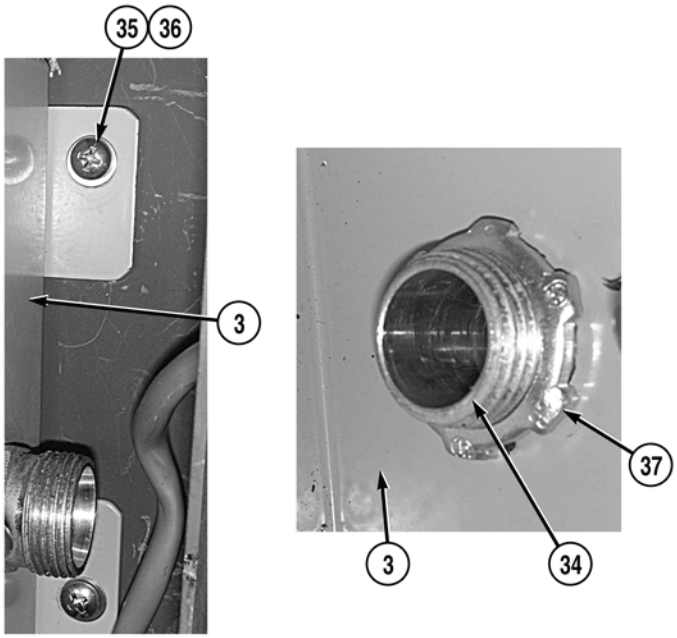


13. Remove cover (38) and fuse (39) from fuse holder (24).
14. Remove cover (40) and fuse (41) from fuse holder (26).

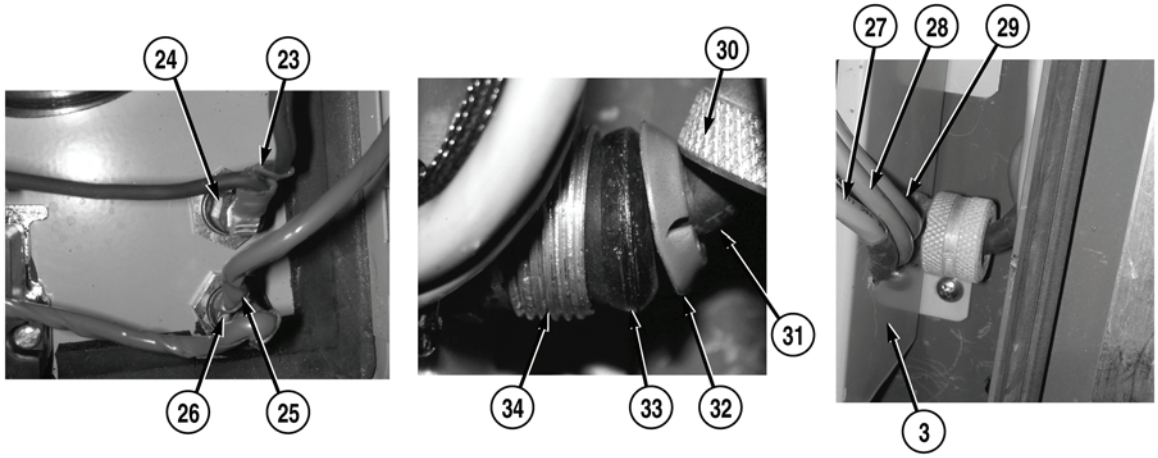
END OF TASK

INSTALLATION

1. Install fuse (41) in fuse holder (26) with cover (40).
2. Install fuse (39) in fuse holder (24) with cover (38).



3. Install fitting (34) on digital display box (3) with nut (37).
4. Install digital display box (3) on vehicle with four washers (36) and screws (35).

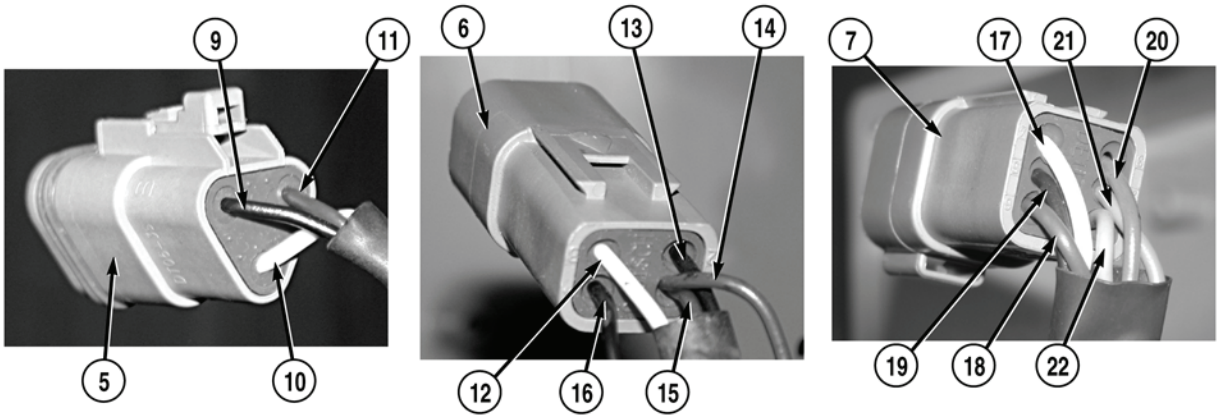


5. Install collar (30), grommet (32), and stopper (33) on cable (31).

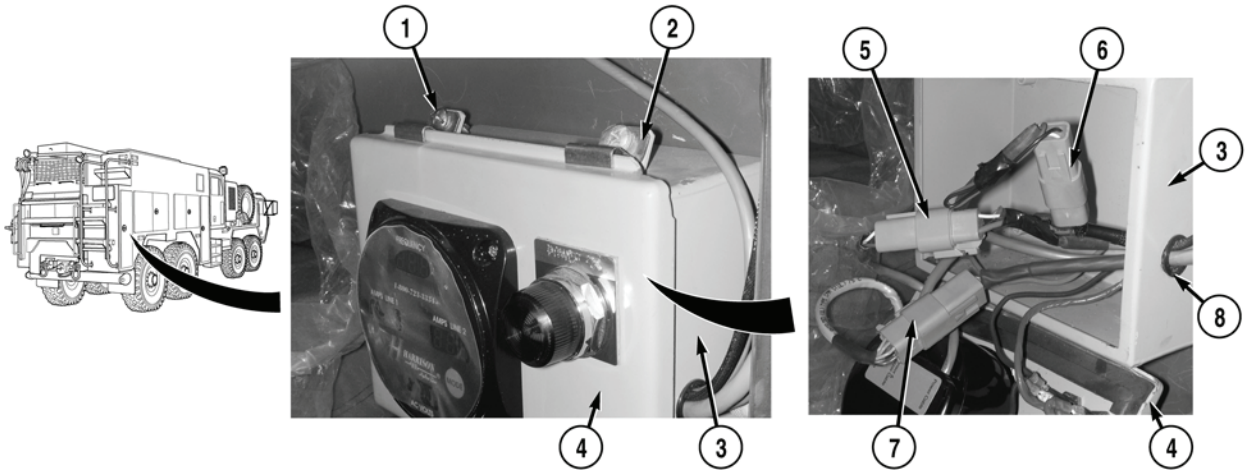
NOTE

Install cable ties as required.

6. Install stopper (33), grommet (32), and cable (31) on fitting (34) with collar (30).
7. Install cables (27), (28), and (29) on digital display box (3).
8. Install wire (25) from fuse holder (26).
9. Install wire (23) from fuse holder (24).



10. Install wires (22), (21), (20), (19), (18), and (17) on connector (7).
11. Install wires (16), (15), (14), (13), and (12) on connector (6).
12. Install wires (11), (10), and (9) on connector (5).



13. Connect three connectors (7), (6), and (5), install grommet (8), and close panel (4).
14. Install two brackets (2) on panel (4) and digital display box (3) with two screws (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Connect batteries (TM 9-2320-325-14&P)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR HOSES REPLACEMENT

INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Tags, Identification (WP 0625, Item 51)
Ties, Cable, Plastic (WP 0625, Item 58)

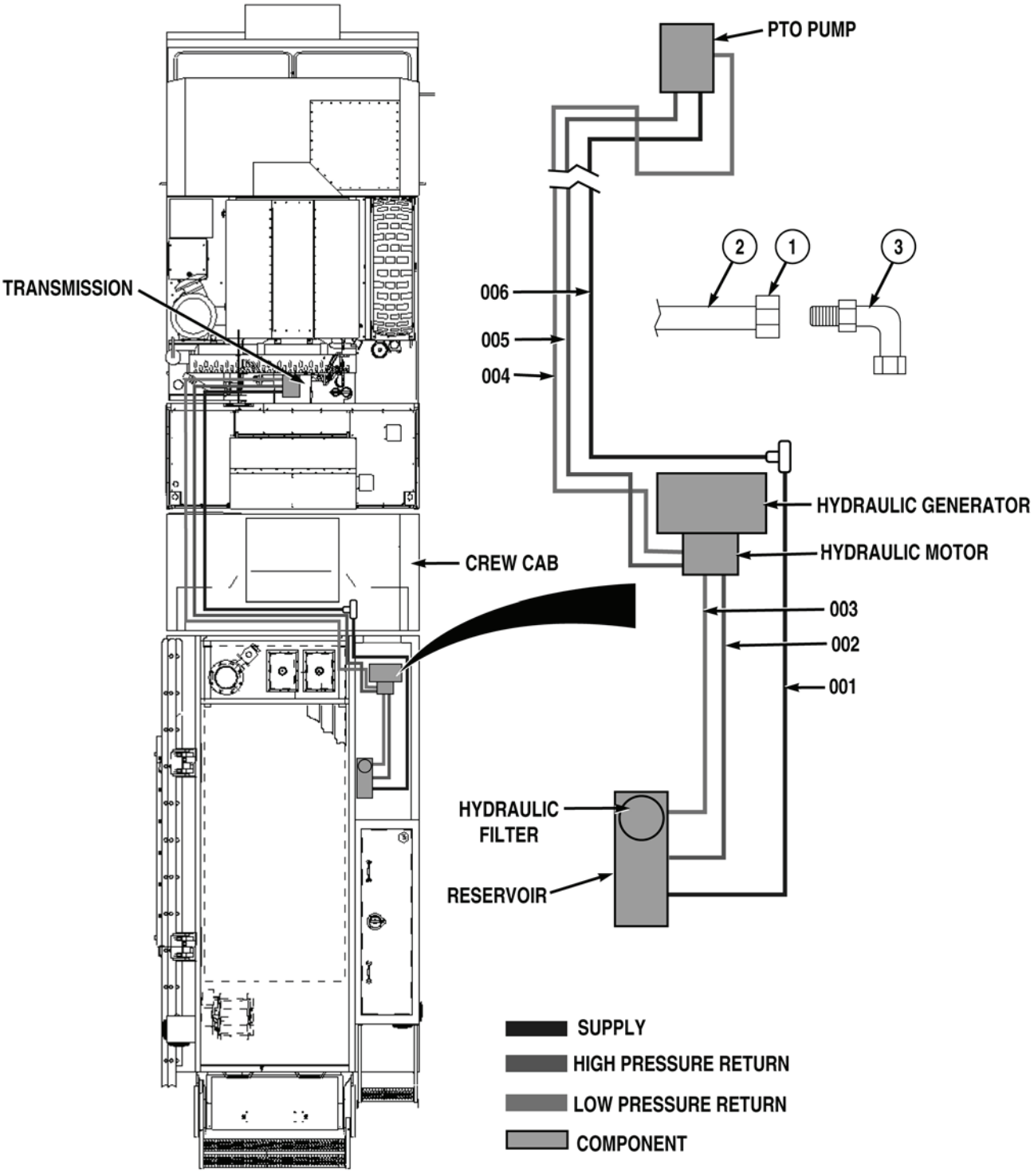
References
WP 0588
WP 0615, Fig. 176

Equipment Conditions
Engine OFF (TM 9-2320-347-10)
Hydraulic reservoir drained (WP 0588)

TYPICAL HYDRAULIC COUPLING REMOVAL

NOTE

- This procedure only shows location of hydraulic generator hoses. It will never be necessary to remove all hydraulic lines at once.
- Refer to Hydraulic Lines task of this work package for locations of specific hydraulic hoses.
- All hydraulic hoses are connected with fittings. Fitting from which hydraulic hose is being removed or installed may be an elbow, tee, or adapter on a valve or other hydraulic component or hydraulic hoses.
- All fittings are removed and installed the same way. Elbow is shown.
- Tag and mark position of all hydraulic hoses.
- Remove cushion clips and cable ties as necessary.



Loosen fitting (1) and remove hose (2) from elbow (3).

END OF TASK

TYPICAL HYDRAULIC COUPLING INSTALLATION

Connect hose (2) on elbow (3) with fitting (1).

END OF TASK

HYDRAULIC LINES

This section identifies hydraulic generator system hoses.

Table 1. Hydraulic Generator System Hoses.

Item No.	From	To
001	Reservoir	Tee
002	Hydraulic Motor	Reservoir
003	Hydraulic Motor	Hydraulic Filter
004	PTO Pump	Hydraulic Motor
005	PTO Pump	Hydraulic Motor
006	Tee	PTO Pump

END OF TASK

FOLLOW-ON MAINTENANCE

1. Fill and check hydraulic reservoir fluid level (WP 0588)
2. Check hydraulic hoses for leaks (WP 0588)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR OIL COOLER FAN REPLACEMENT

INITIAL SETUP:

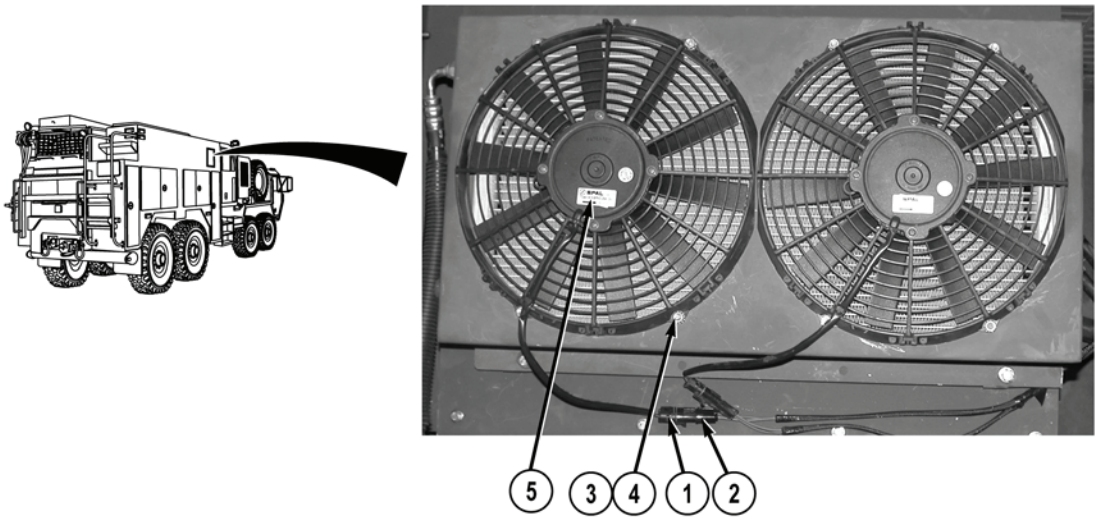
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Lockwasher (4)

References
WP 0615, Fig. 8

Equipment Conditions
Wheels chocked (TM 9-2320-347-10)
Batteries disconnected (TM 9-2320-325-14&P)

REMOVAL



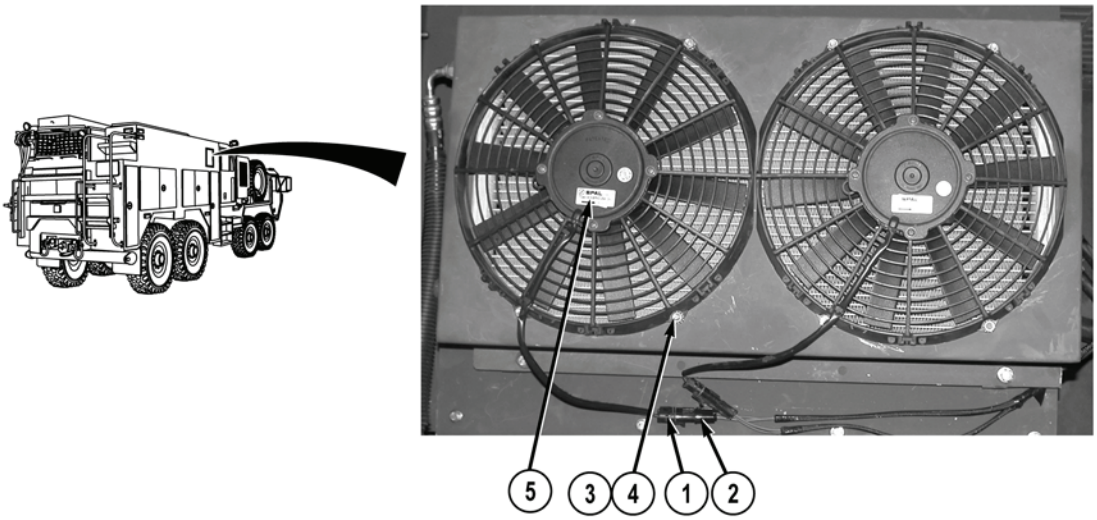
NOTE

Both hydraulic generator oil cooler fans are removed the same way. Front fan shown.

1. Disconnect fan connector (1) from crew cab wire harness connector (2).
2. Remove four nuts (3), lockwashers (4), and hydraulic generator oil cooler fan (5) from vehicle. Discard lockwashers.

END OF TASK

INSTALLATION



NOTE

Both hydraulic generator oil cooler fans are installed the same way. Front fan shown.

1. Install hydraulic generator oil cooler fan (5) on vehicle with four lockwashers (4) and nuts (3).
2. Connect crew cab wire harness connector (2) to fan connector (1).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Connect batteries (TM 9-2320-325-14&P)
2. Remove wheel chocks (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR OIL DRAIN/FILL

INITIAL SETUP:

Tools and Special Tools
Drain Pan (WP 0622, Item 9)
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Oil, Hydraulic, Dexron III (WP 0625, Item 36)

Reference
WP 0599
WP 0615, Fig. 178

Equipment Conditions
Water pump engine OFF (WP 0022)
Batteries disconnected (TM 9-2320-325-14&P)

DRAIN

WARNING



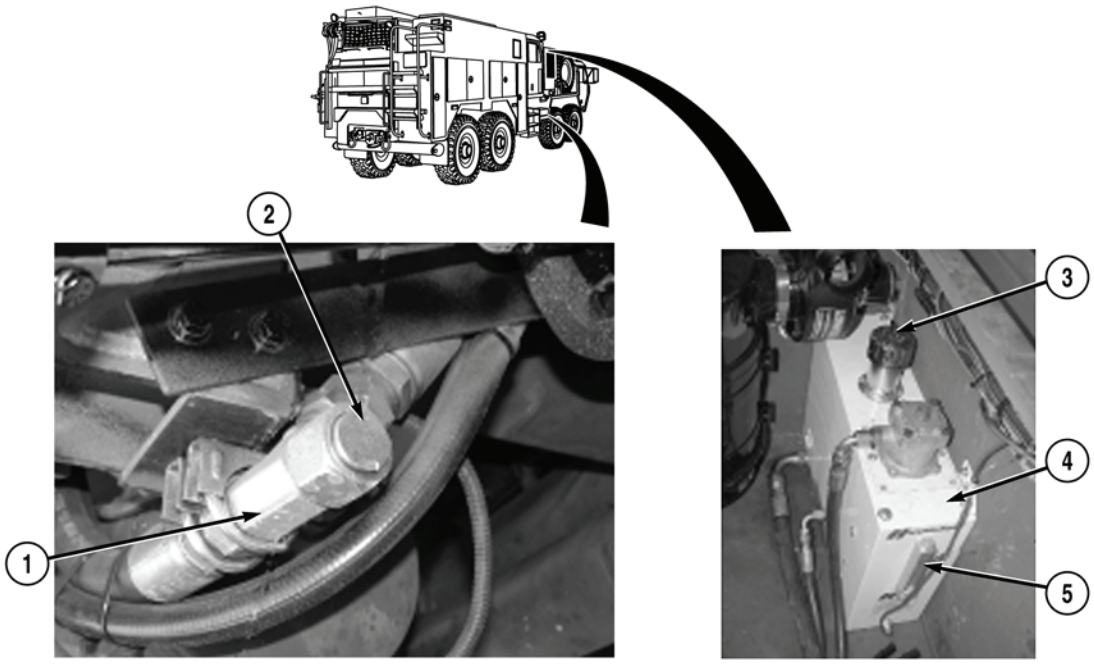
- **The TFFT hydraulic system operates at pressures up to 5075 psi (34,992 kPa). Allow several minutes to elapse after shutting off engine, to allow pressure to relieve itself before attempting to remove hoses or fittings. Failure to comply may result in serious injury or death to personnel.**
- **Hydraulic oil may be hot. Ensure hydraulic oil is cool prior to removal. Failure to comply may result in injury to personnel.**

⚠ CAUTION

Ensure hydraulic oil is free from all foreign contaminates. Failure to comply may cause damage to equipment.

NOTE

Hydraulic reservoir holds a 7.75 gal. (29.33 l), be sure to use suitable drain pan.



1. Position drain pan under hydraulic hose (1).
2. Remove plug (2) from hydraulic hose (1) and drain hydraulic oil completely.
3. Install plug (2) on hydraulic hose (1).

END OF TASK

FILL

1. Remove breather cap (3) from hydraulic reservoir (4).

NOTE

Use clean funnel to transfer hydraulic oil into hydraulic reservoir.

2. Fill hydraulic reservoir (4) until hydraulic oil level reaches full mark on sight glass (5).
3. Install breather cap (3) on hydraulic reservoir (4).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Connect batteries (TM 9-2320-325-14&P)
2. Bleed hydraulic system (WP 0599)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR OIL FILTER REPLACEMENT

INITIAL SETUP:

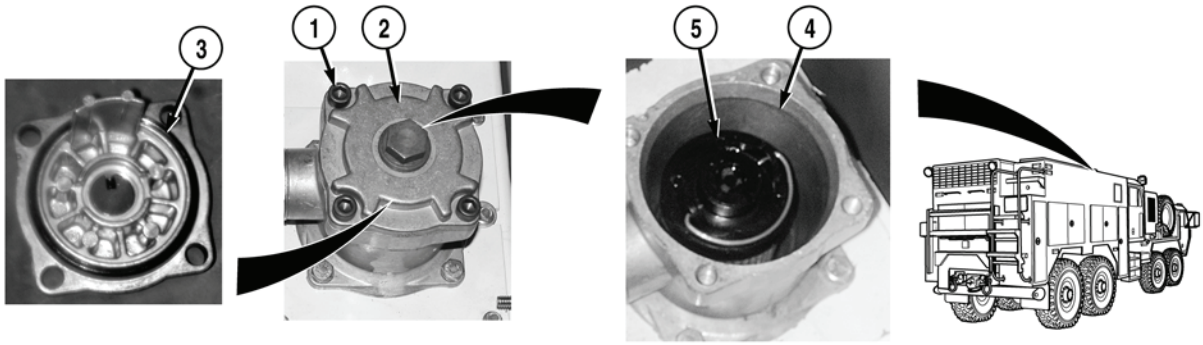
Tools and Special Tools
Drain Pan (WP 0622, Item 9)
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Preformed Packing (1)

References
WP 0615, Fig. 178

Equipment Conditions
Hydraulic generator OFF (WP 0021)

REMOVAL



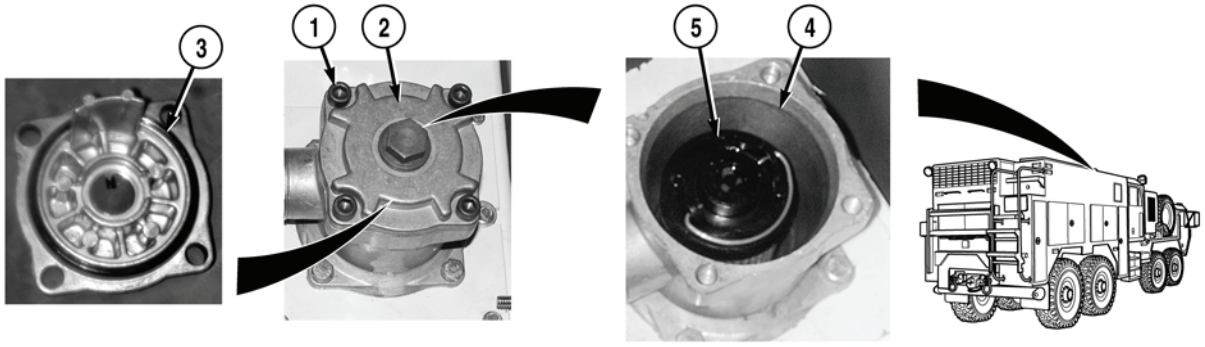
NOTE

Note position of filter head prior to removal to ensure proper installation.

1. Remove four screws (1), filter head (2), and preformed packing (3) from filter housing (4). Discard preformed packing.
2. Remove filter (5) from filter housing (4).

END OF TASK

INSTALLATION



1. Install filter (5) on filter housing (4).
2. Install preformed packing (3) on filter head (2).

NOTE

Install filter head as noted prior to removal.

3. Install filter head (2) on filter housing (4) with four screws (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Check hydraulic generator oil level (WP 0588)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR OIL FILTER BASE REPLACEMENT

INITIAL SETUP:

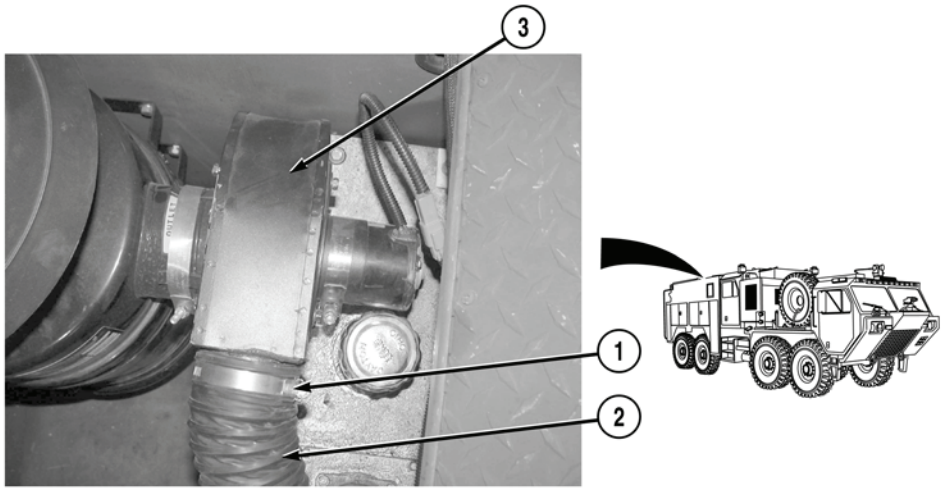
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive
(WP 0622, Item 27)

Materials/Parts
Lockwasher (4)
Preformed Packing (1)
Preformed Packing (1)
Gasket (1)

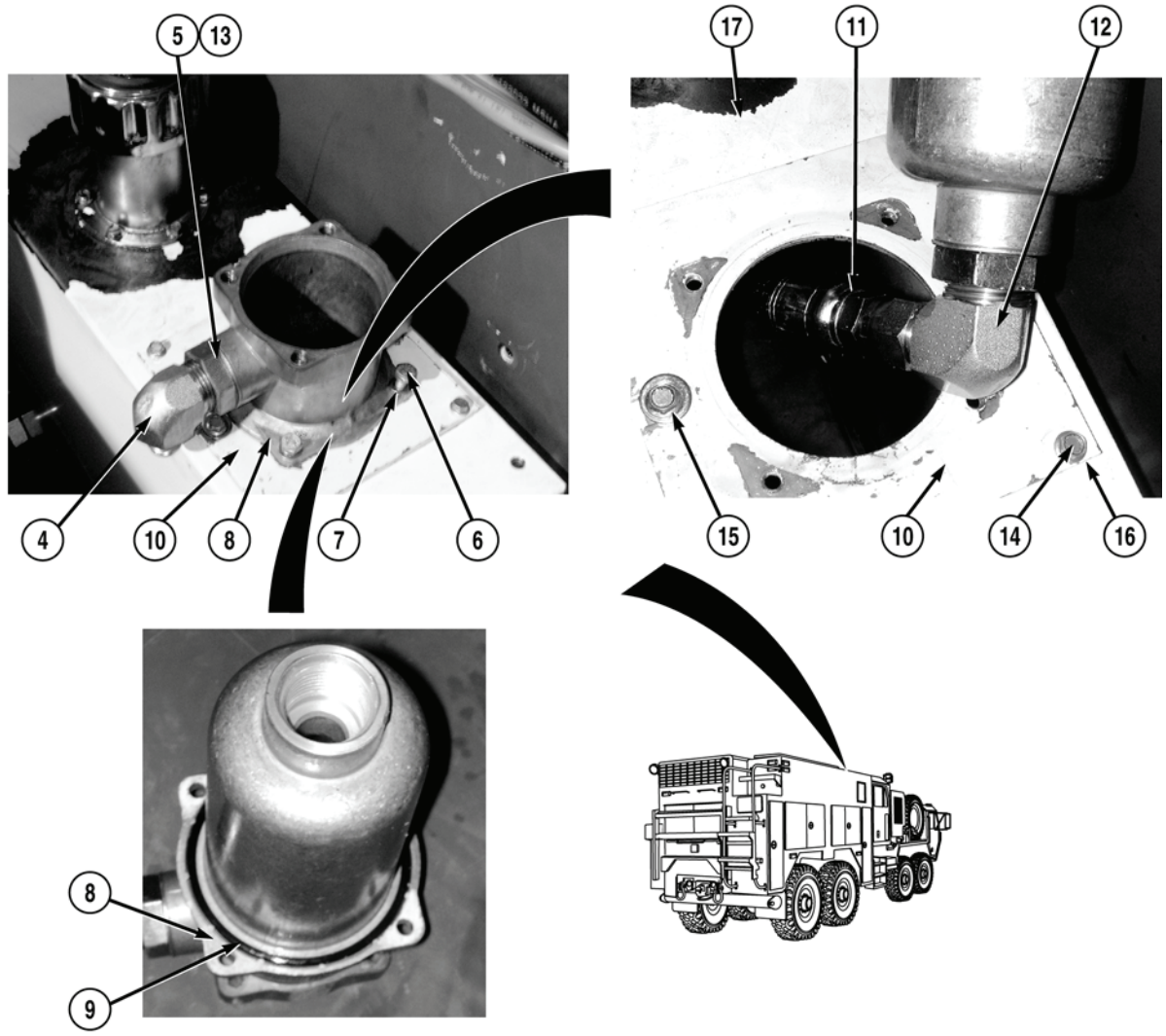
References
WP 0589
WP 0615, Fig. 178

Equipment Conditions
Hydraulic generator oil filter removed (WP 0589)

REMOVAL



1. Loosen clamp (1) and remove fresh air hose (2) from blower (3).



2. Remove elbow (4) from fitting (5).
3. Remove four screws (6), lockwashers (7), filter base (8), and preformed packing (9) from filter base plate (10). Discard lockwashers.
4. Remove hose (11) from elbow (12).

NOTE

Note position of elbow prior to removal to ensure proper installation.

5. Remove elbow (12) from filter base (8).
6. Remove fitting (5) and preformed packing (13) from filter base (8). Discard preformed packing.
7. Remove six screws (14), two washers (15), gasket (16), and filter base plate (10) from hydraulic reservoir (17). Discard gasket.

END OF TASK

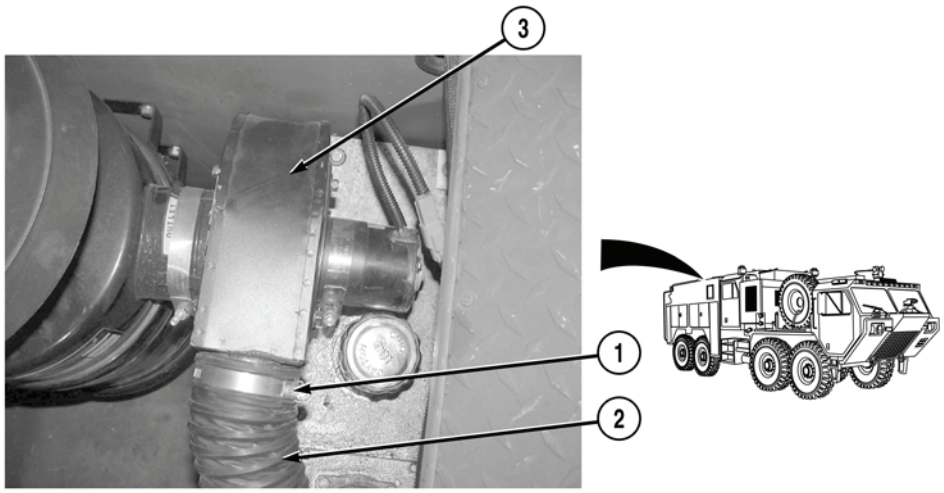
INSTALLATION

1. Install filter base plate (10) and gasket (16) on hydraulic reservoir (17) with two washers (15) and six screws (14).
2. Install preformed packing (13) and fitting (5) on filter base (8).

NOTE

Install elbow as noted prior to removal.

3. Install elbow (12) on filter base (8).
4. Install hose (11) on elbow (12).
5. Install filter base (8) and preformed packing (9) on filter base plate (10) with four lockwashers (7) and screws (6).
6. Install elbow (4) on fitting (5).



7. Install fresh air hose (2) on blower (3) with clamp (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Install hydraulic generator oil filter (WP 0589)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR MOTOR REPLACEMENT

INITIAL SETUP:

Tools and Special Tools
Drain Pan (WP 0622, Item 9)
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Compound, Anti-seize (WP 0625, Item 15)
Grease, Spline Lubricant (WP 0625, Item 25)
Oil, Lubricating (WP 0625, Item 37)
Tags, Identification (WP 0625, Item 51)
Locknut (4)
Lockwasher (10)
Lockwasher (4)
Preformed Packing (2)
Preformed Packing (1)

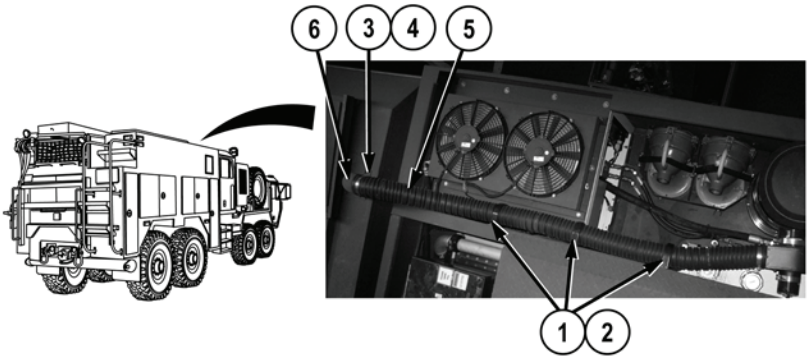
Materials/Parts (continued)
Preformed Packing (2)
Preformed Packing (1)

Personnel Required
MOS 63B Wheeled vehicle mechanic (3)

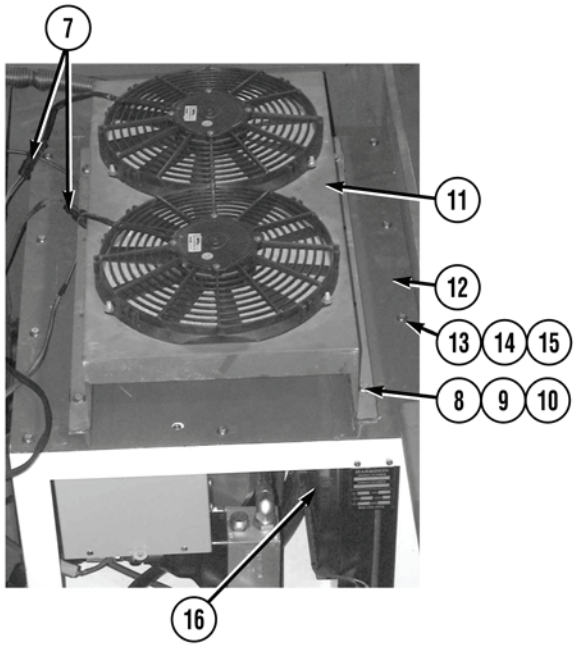
References
WP 0614, Fig. 8
WP 0615, Fig. 177, 179

Equipment Conditions
Hydraulic reservoir drained (WP 0588)

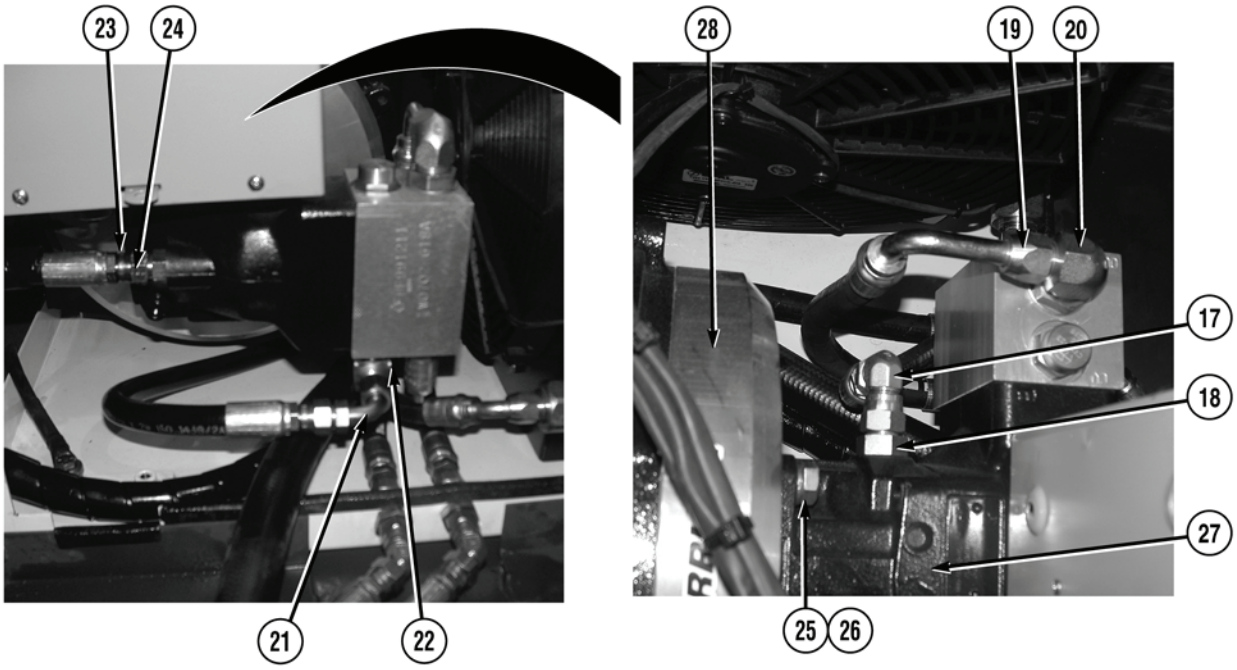
REMOVAL



1. Remove three screws (1) and loop clamps (2) from vehicle.
2. Loosen screw (3) and remove hose clamp (4) and hose (5) from elbow (6).
3. Move hose (5) out of the way.



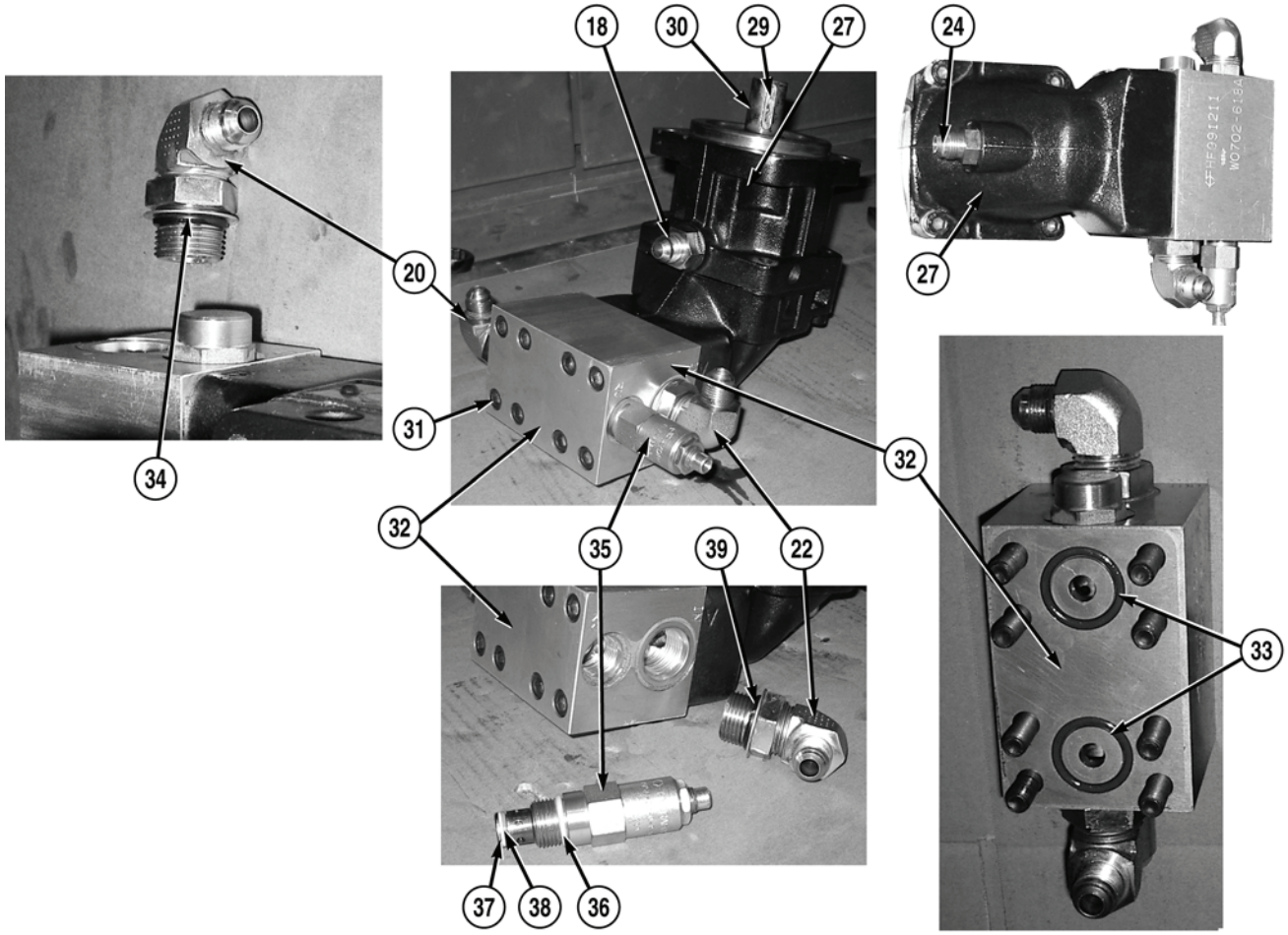
4. Disconnect two connectors (7).
5. Remove four locknuts (8), eight washers (9), four screws (10), and air conditioning fan assembly (11) from hydraulic generator (16), and move air conditioning assembly (11) out of the way. Discard locknuts.
6. Remove ten screws (13), lockwashers (14), washers (15), and hydraulic generator cover (12) from hydraulic generator (16). Discard lockwashers.



NOTE

- Position suitable container under hoses and fittings to catch excess oil.
- Tag and mark hoses prior to removal to ensure proper installation.

7. Remove elbow (17) from fitting (18).
8. Remove hose (19) from elbow (20).
9. Remove hose (21) from elbow (22).
10. Remove hose (23) from fitting (24).
11. Remove four screws (25), lockwashers (26), and hydraulic motor (27) from motor mount (28). Discard lockwashers.



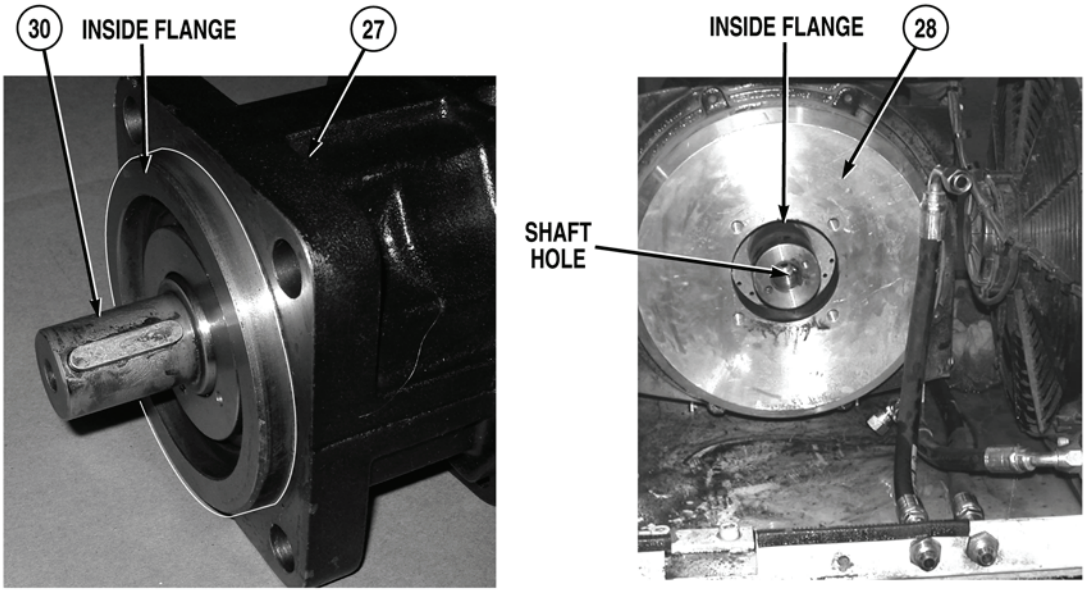
12. Remove two fittings (18) and (24) from hydraulic motor (27).
13. Remove key (29) from shaft (30).
14. Remove eight screws (31), manifold assembly (32), and two preformed packings (33) from hydraulic motor (27). Discard preformed packings.
15. Remove elbow (20) and preformed packing (34) from manifold assembly (32). Discard preformed packing.
16. Remove valve (35), two preformed packings (36) and (37), and backup ring (38) from manifold assembly (32). Discard preformed packings.
17. Remove elbow (22) and preformed packing (39) from manifold assembly (32). Discard preformed packing.

END OF TASK

INSTALLATION

1. Install preformed packing (39) and elbow (22) on manifold assembly (32).
2. Install backup ring (38), two preformed packings (37) and (36), and valve (35) on manifold assembly (32).

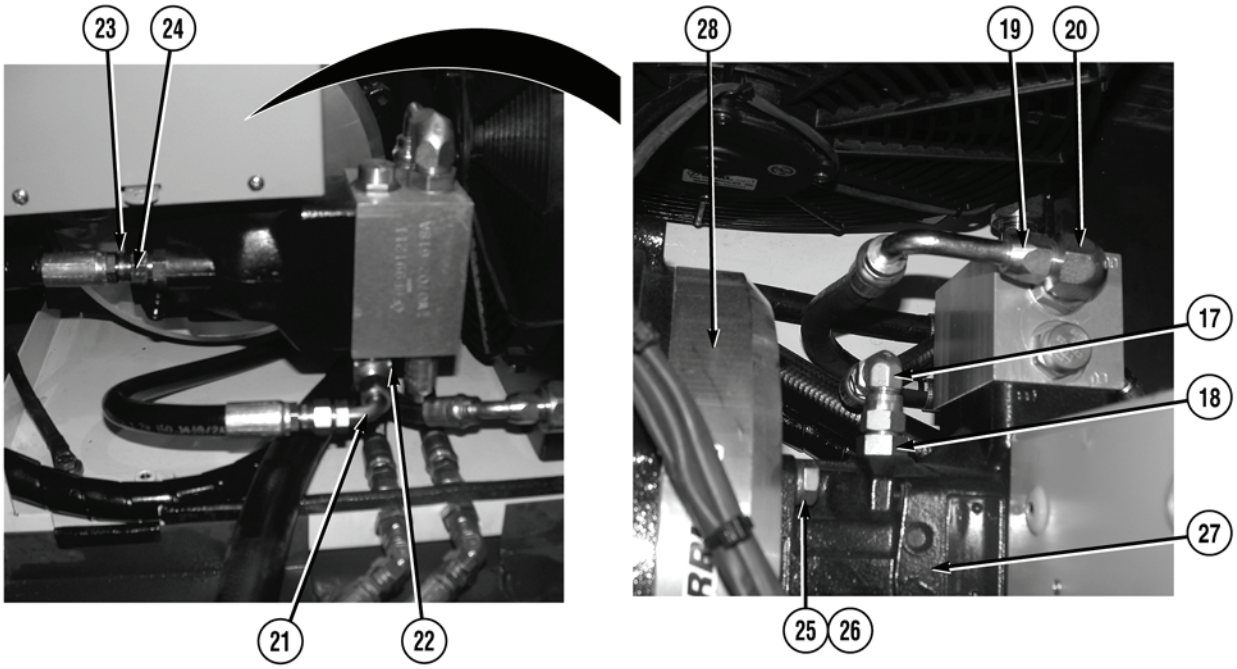
3. Install preformed packing (34) and elbow (20) on manifold assembly (32).
4. Install two preformed packings (33) and manifold assembly (32) on hydraulic motor (27) with eight screws (31).
5. Install key (29) on shaft (30).
6. Install two fittings (24) and (18) on hydraulic motor (27).



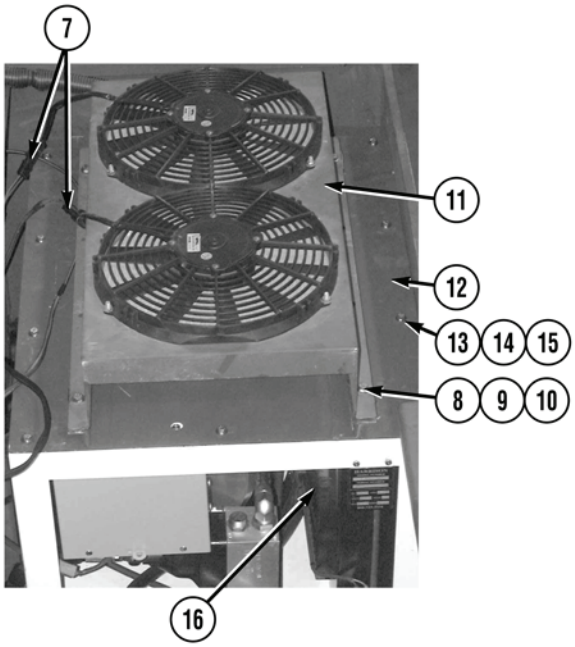
⚠ CAUTION

Shaft, shaft hole, and inside flange on pump and generator must be lubricated prior to assembly. Failure to comply may cause damage to equipment.

7. Apply anti-seize on inside flange of hydraulic motor (27) and motor mount (28).
8. Apply grease into and around shaft hole on motor mount (28) and shaft (30).



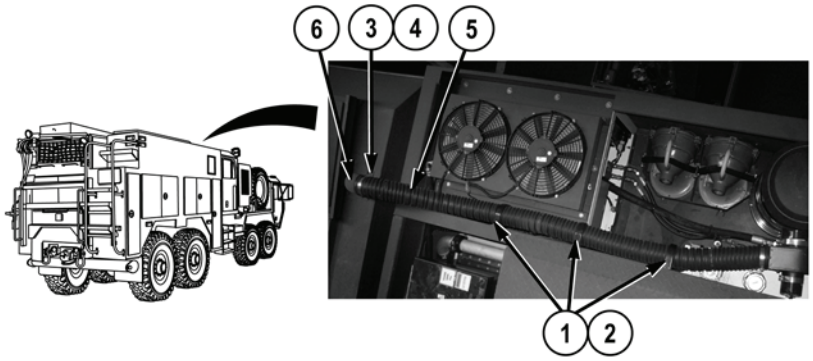
9. Install hydraulic motor (27) on motor mount (28) with four lockwashers (26) and screws (25).
10. Install hose (23) on fitting (24).
11. Install hose (21) on elbow (22).
12. Install hose (19) on elbow (20).
13. Install elbow (17) on fitting (18).



14. Install hydraulic generator cover (12) on hydraulic generator (16) with ten washers (15), lockwashers (14), and screws (13).

15. Install air conditioning fan assembly (11) on hydraulic generator (16) with four screws (10), eight washers (9), and four locknuts (8).

16. Connect two connectors (7).



17. Install hose (5), hose clamp (4) on elbow (6) by tightening screw (3).
18. Attach hose (5) to vehicle with three loop clamps (2) and screws (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Fill hydraulic reservoir (WP 0588)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR REPLACEMENT

INITIAL SETUP:

Tools and Special Tools
Cap Set, Protective (WP 0622, Item 3)
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

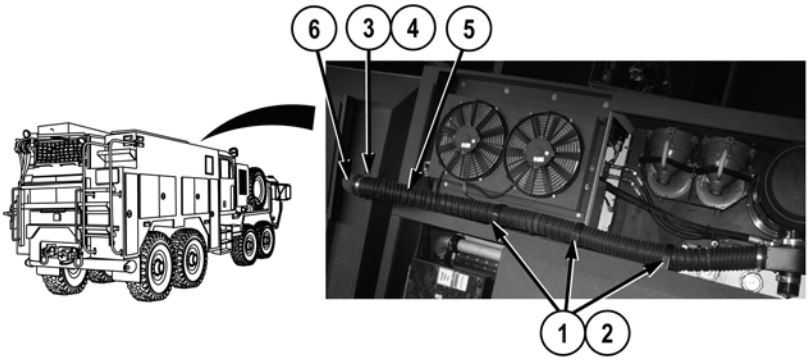
Materials/Parts
Compound, Sealing (WP 0625, Item 17)
Tags, Identification (WP 0625, Item 51)
Ties, Cable, Plastic (WP 0625, Item 58)
Locknut (4)
Lockwasher (10)
Lockwasher (3)
Lockwasher (1)
Lockwasher (2)
Lockwasher (3)

Personnel Required
MOS 63B Wheeled vehicle mechanic (3)

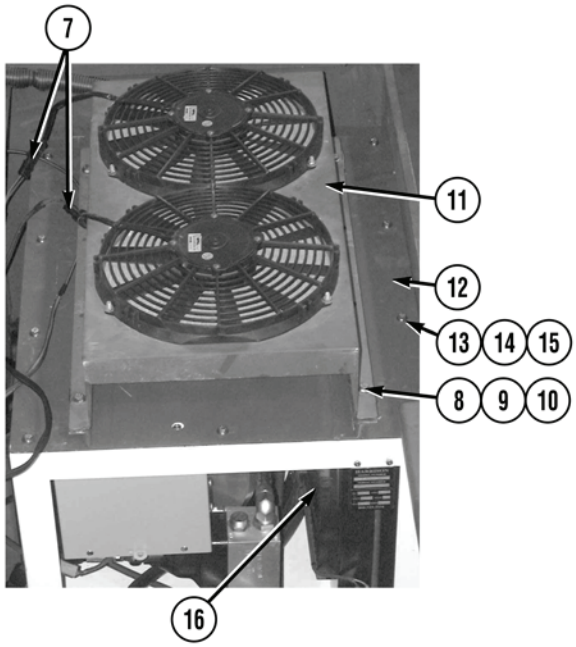
References
WP 0614, Fig. 8
WP 0615, Fig. 177, 179

Equipment Conditions
Hydraulic reservoir drained (WP 0588)

REMOVAL



1. Remove three screws (1) and loop clamps (2) from vehicle.
2. Loosen screw (3) and remove hose clamp (4) and hose (5) from elbow (6).
3. Move hose (5) out of the way.



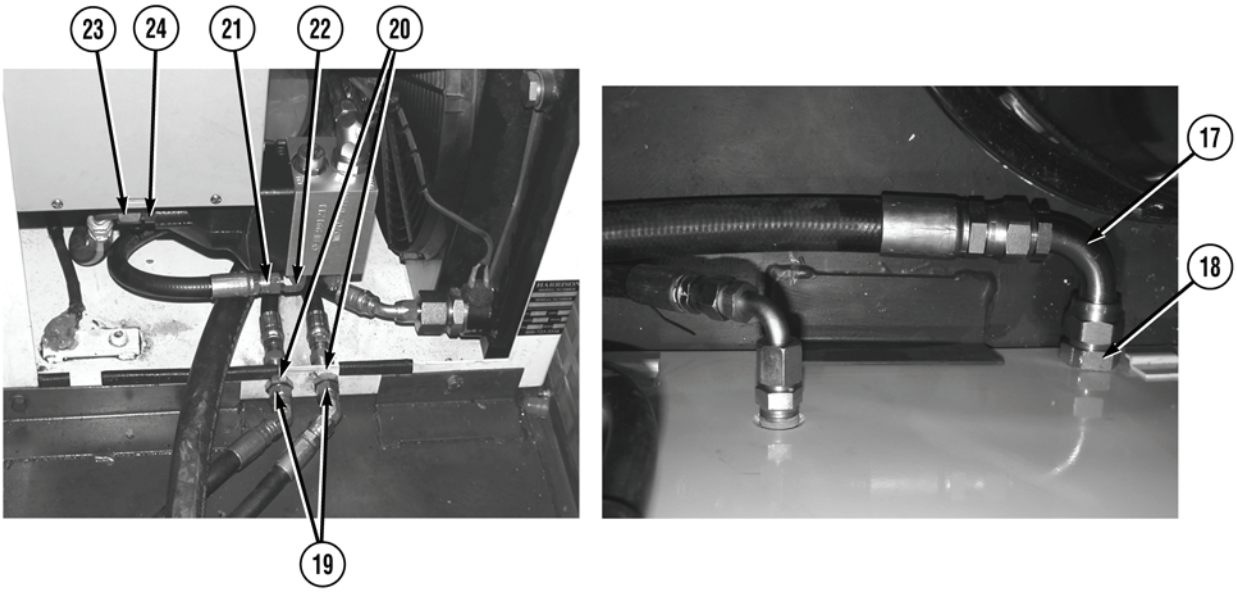
4. Disconnect two connectors (7).

5. Remove four locknuts (8), eight washers (9), four screws (10), and air conditioning fan assembly (11) from hydraulic generator (12). Discard locknuts.

NOTE

Note position of hydraulic generator cover prior to removal to ensure proper installation.

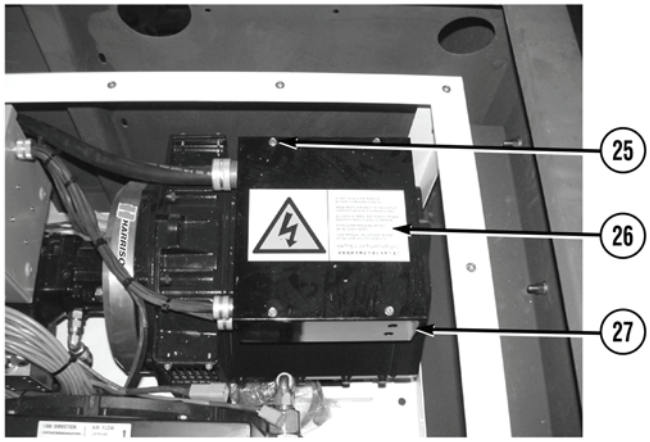
6. Remove ten screws (13), lockwashers (14), washers (15), and hydraulic generator cover (16) from hydraulic generator. Discard lockwashers.



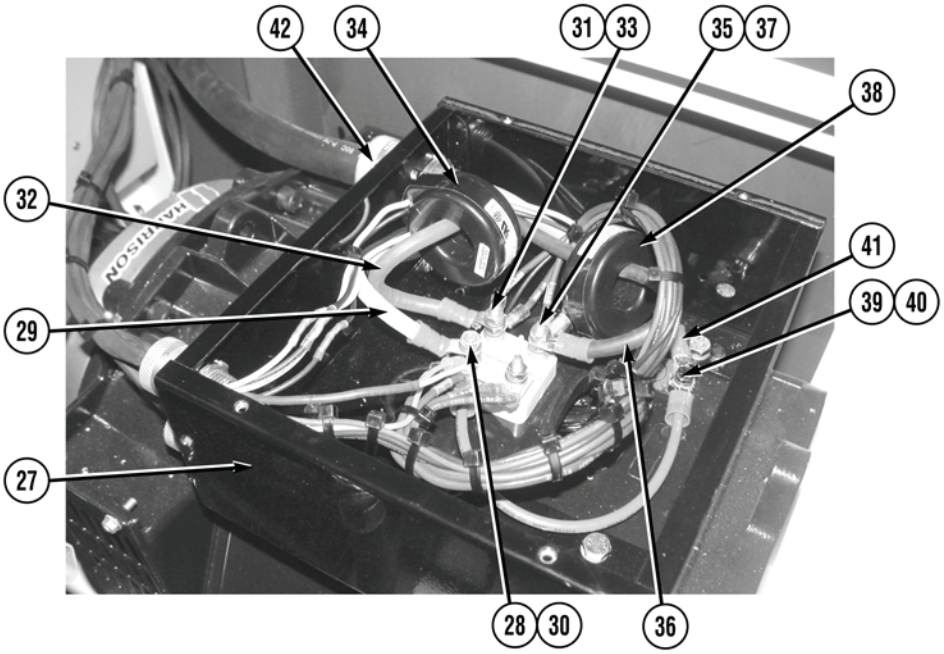
NOTE

- Tag and mark hoses prior to removal to ensure proper installation.
- Cap and plug hoses.
- Note position of elbows prior to removal to ensure proper installation.

7. Remove hose (17) from fitting (18).
8. Remove two elbows (19) from fittings (20).



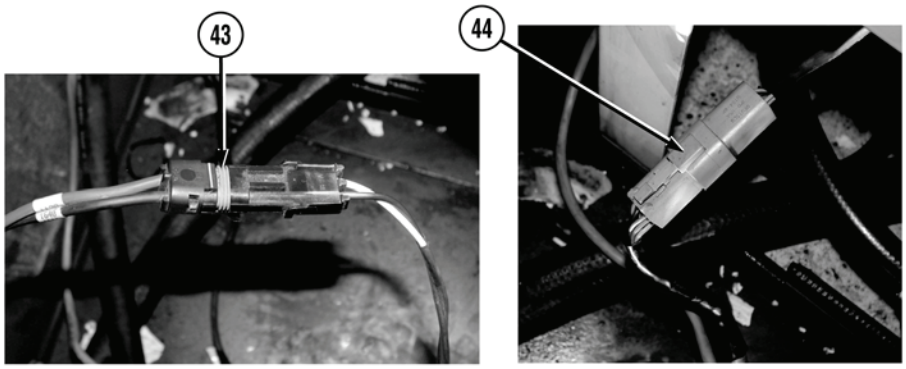
9. Remove four screws (25) and access cover (26) from electrical box (27).



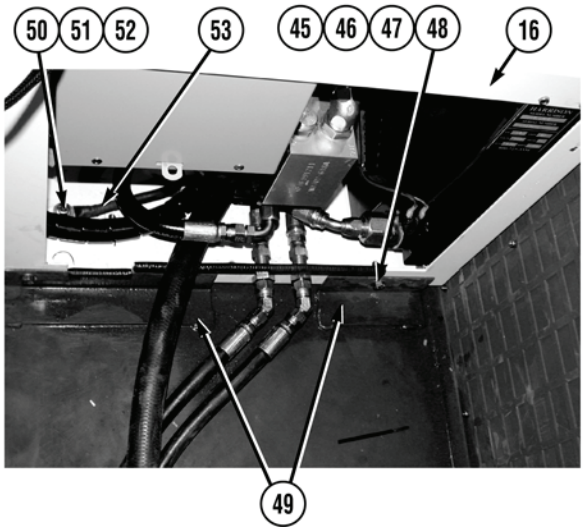
NOTE

- Tag and mark wires prior to removal to ensure proper installation.
- Note position and remove cable ties and cushion clips as required.

10. Remove nut (28) and wire (29) from stud (30).
11. Remove nut (31) and wire (32) from stud (33) and pull wire (32) through current transformer (34).
12. Remove nut (35) and wire (36) from stud (37) and pull wire (36) through current transformer (38).
13. Remove screw (39), washer (40), and wire (41) from electrical box (27).
14. Loosen collar (42) and remove four wires (29), (32), (36), and (41) from electrical box (27).

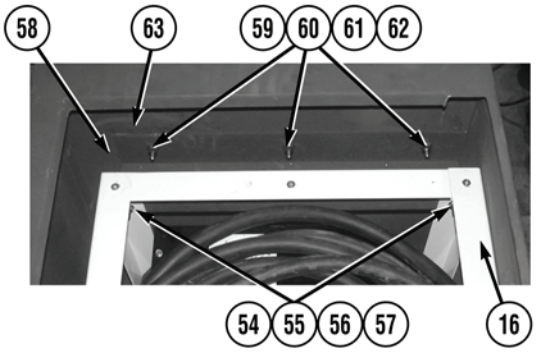


15. Disconnect connector (43).
16. Disconnect connector (44).



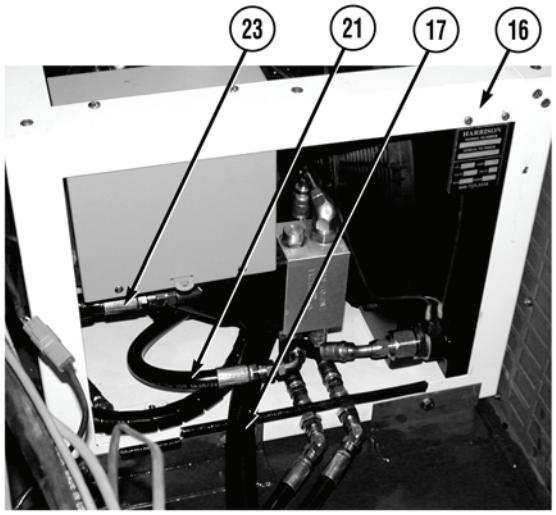
17. Remove three nuts (45), lockwashers (46), six washers (47), and three screws (48) from two brackets (49) and hydraulic generator (16). Discard lockwashers.

18. Remove screw (50), lockwasher (51), washer (52), and ground wire (53) from hydraulic generator (16). Discard lockwasher.



19. Remove two nuts (54), lockwashers (55), four washers (56), and two screws (57) from bracket (58) and hydraulic generator (16). Discard lockwashers.

20. Remove three nuts (59), lockwashers (60), six washers (61), three screws (62), and bracket (58) from frame (63) and vehicle. Discard lockwashers.



WARNING



Hydraulic generator weighs 431 lb. (196 kg). Do not attempt to lift hydraulic generator without the aid of two assistants and a suitable lifting device. Failure to comply may result in serious injury or death to personnel.

CAUTION

- **Ensure hoses are carefully removed while lifting hydraulic generator. Failure to comply may result in damage to equipment.**
- **Use extreme care when lifting hydraulic generator from vehicle. Failure to comply may result in damage to wiring harness.**

21. Attach suitable lifting device on hydraulic generator.
22. With the aid of an assistant, lift hydraulic generator and remove three hoses (17), (21), and (23) from hydraulic generator (16).
23. With the aid of an assistant and suitable lifting device, remove hydraulic generator (16) from vehicle.

END OF TASK

INSTALLATION

WARNING



Hydraulic generator weighs 431 lb. (196 kg). Do not attempt to lift hydraulic generator without the aid of two assistants and a suitable lifting device. Failure to comply may result in serious injury or death to personnel.

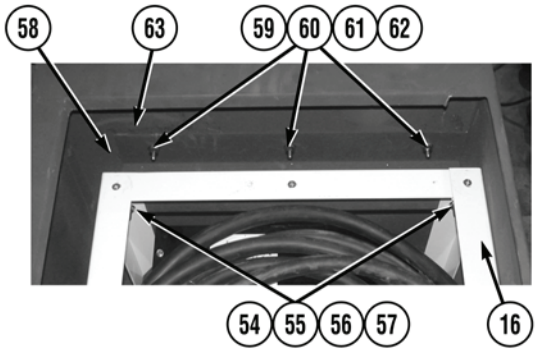
CAUTION

- **Ensure hoses are carefully removed while lifting hydraulic generator. Failure to comply may result in damage to equipment.**
- **Use extreme care when installing on vehicle. Failure to comply may result in damage to wiring harness.**

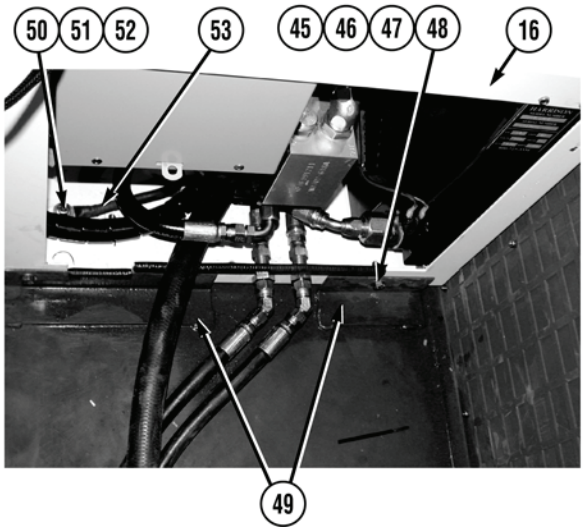
NOTE

Install cable ties and cushion clips as required.

1. Attach suitable lifting device on hydraulic generator (16).
2. With the aid of two assistants and a suitable lifting device, install hydraulic generator (16) on vehicle.
3. With the aid of two assistants and a suitable lifting device, install three hoses (17), (21), and (23) on hydraulic generator (16).
4. Remove suitable lifting device from hydraulic generator (16).



5. Install bracket (58) on vehicle and frame (63) with three screws (62), six washers (61), three lockwashers (60), and nuts (59).
6. Install hydraulic generator (16) on bracket (58) with two screws (57), four washers (56), two lockwashers (55) and nuts (54).



7. Install hydraulic generator (16) on two brackets (49) with three screws (48), lockwashers (47), six washers (46), and three nuts (45).

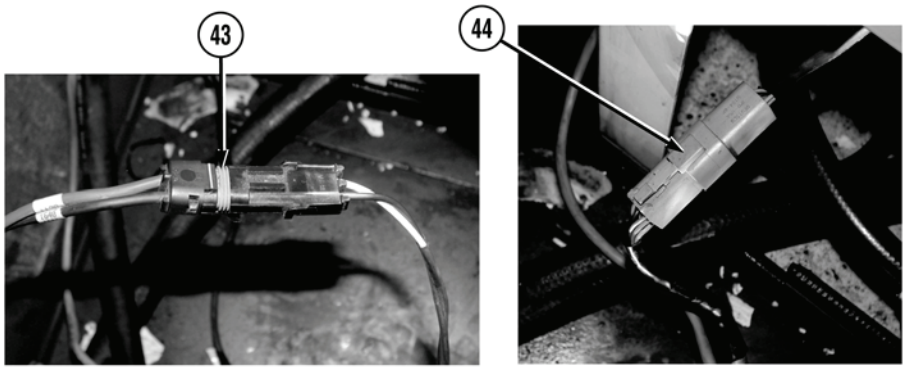
8. Install ground wire (53), washer (52), lockwasher (51), and screw (50) on hydraulic generator (16).

WARNING

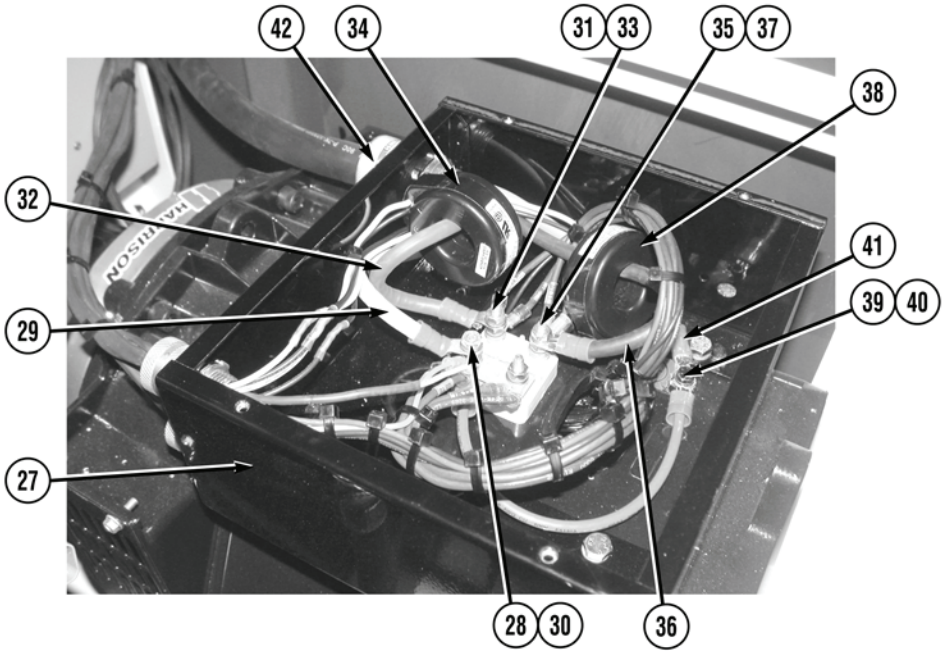


Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

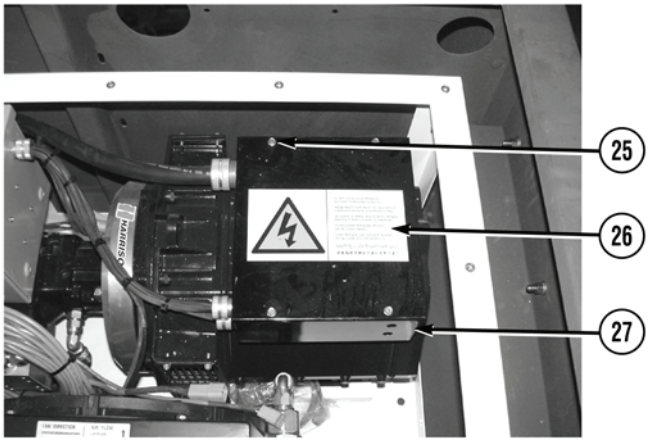
9. Apply electrical sealant to ground wire (53).



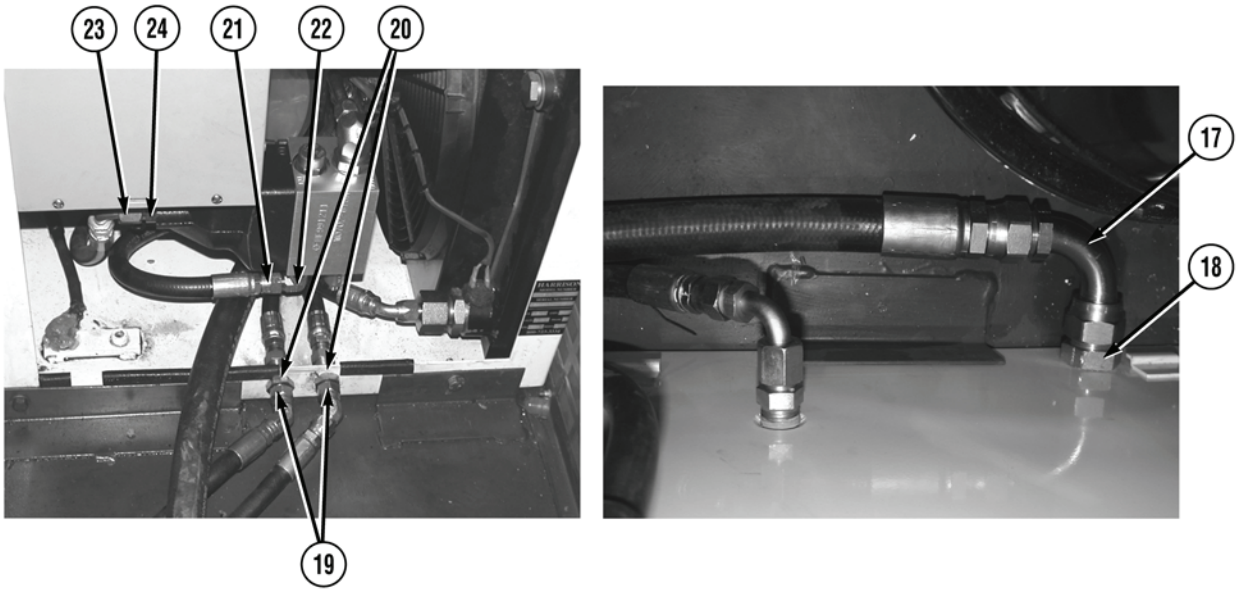
10. Connect connector (44).
11. Connect connector (43).



12. Install four wires (43), (36), (32), and (29) on electrical box (27) and tighten collar (42).
13. Install wire (41), washer (40), and screw (39) on electrical box (27).
14. Feed wire (36) through current transformer (38) and install wire (36) on stud (37) with nut (35).
15. Feed wire (32) through correct transformer (34) and install wire (32) on stud (33) with nut (31).
16. Install wire (29) on stud (30) with nut (28).



17. Install access cover (26) on electrical box (27) with four screws (25).

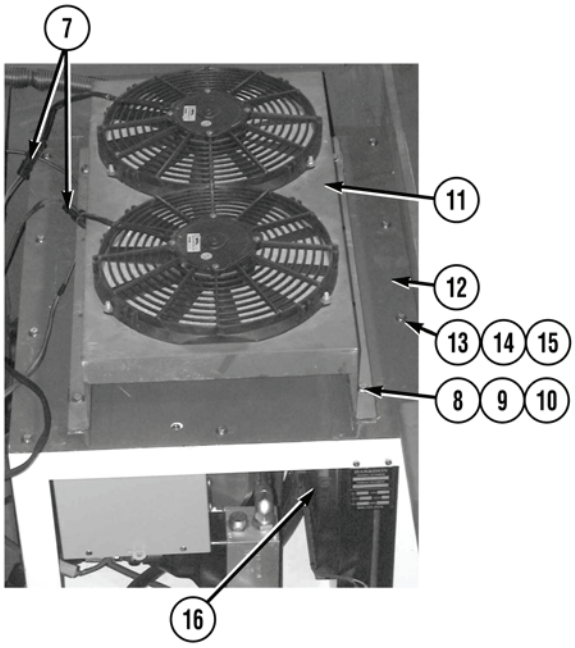


18. Install hose (23) on fitting (24).
19. Install hose (21) on fitting (22).

NOTE

Install elbows in same position as noted prior to removal.

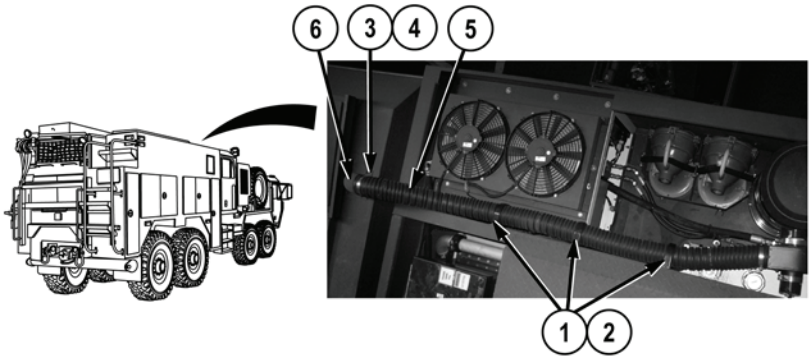
20. Install two elbows (19) on fitting (20).
21. Install hose (17) on fitting (18).



NOTE

Install cover as noted prior to removal.

22. Install hydraulic generator cover (12) on hydraulic generator (16) with ten washers (15), lockwashers (14), and screws (13).
23. Install air conditioning fan assembly (11) on hydraulic generator (12) with four screws (10), eight washers (9), and four locknuts (8).
24. Connect two connectors (7).



25. Install hose (5), hose clamp (4) on elbow (6) by tightening screw (3).
26. Attach hose (5) to vehicle with three loop clamps (2) and screws (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Fill hydraulic reservoir (WP 0588)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR RESERVOIR BOOST UNIT ASSEMBLY REPLACEMENT

INITIAL SETUP:

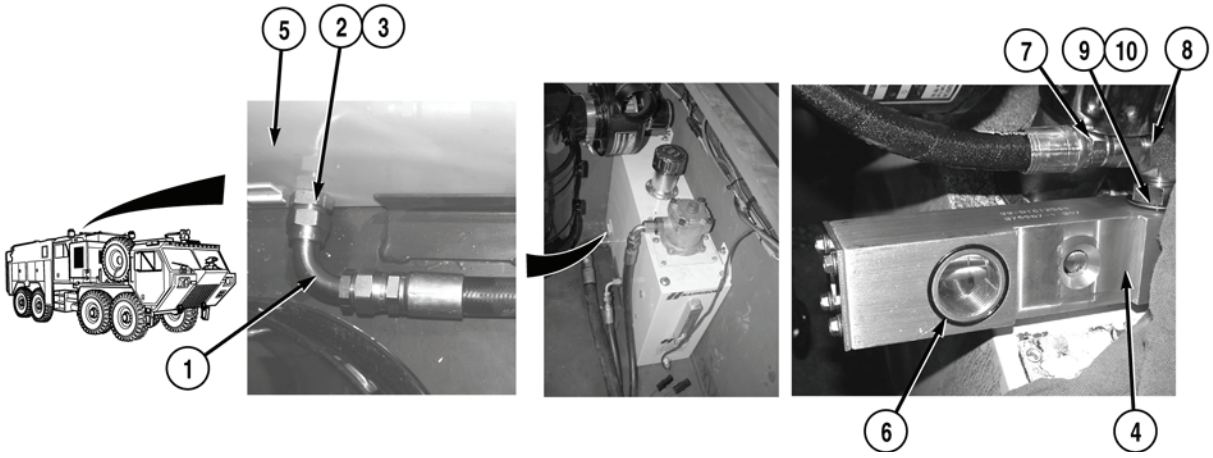
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Preformed Packing (1)
Preformed Packing (1)
Preformed Packing (1)

References
WP 0615, Fig. 178

Equipment Conditions
Hydraulic reservoir drained (WP 0588)
Hydraulic oil filter removed (WP 0589)

REMOVAL



1. Remove elbow (1) from fitting (2).

NOTE

Boost unit assembly is located inside the hydraulic reservoir and is removed through the filter head opening.

2. Remove fitting (2), preformed packing (3), and boost unit assembly (4) from hydraulic reservoir (5). Discard preformed packing.
3. Remove preformed packing (6) from boost unit assembly (4). Discard preformed packing.
4. Remove hose (7) from elbow (8).

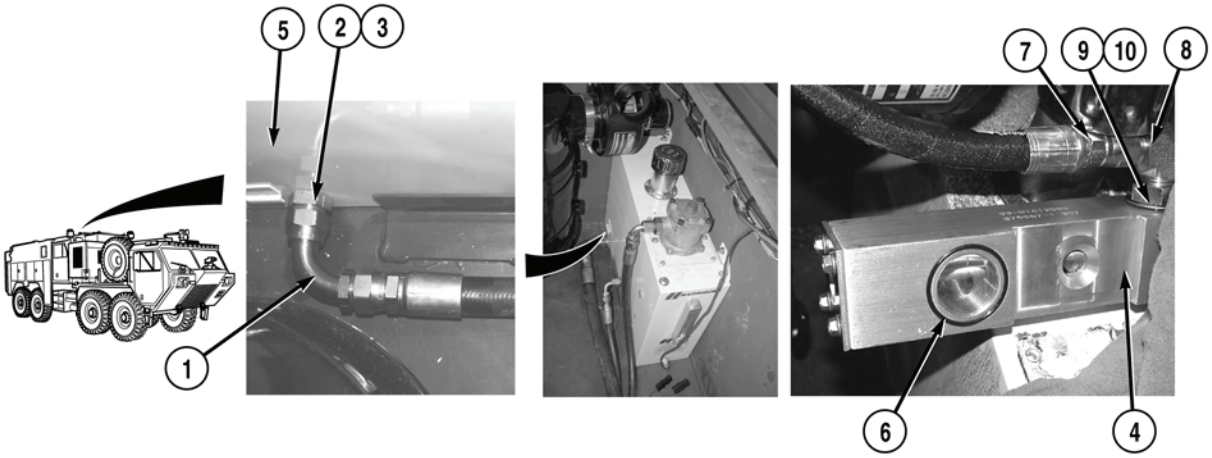
NOTE

Note position of elbow prior to removal to ensure proper installation.

5. Remove elbow (8), washer (9), and preformed packing (10) from boost unit assembly (4). Discard preformed packing.

END OF TASK

INSTALLATION



NOTE

Install elbow as noted prior to removal.

1. Install preformed packing (10), washer (9), and elbow (8) on boost unit assembly (4).
2. Install hose (7) on elbow (8).
3. Install preformed packing (6) on boost unit assembly (4).
4. Install boost unit assembly (4) on hydraulic reservoir (5) with preformed packing (3) and fitting (2).
5. Install elbow (1) on fitting (2).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Install hydraulic filter base (WP 0591)
2. Fill hydraulic reservoir (WP 0588)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

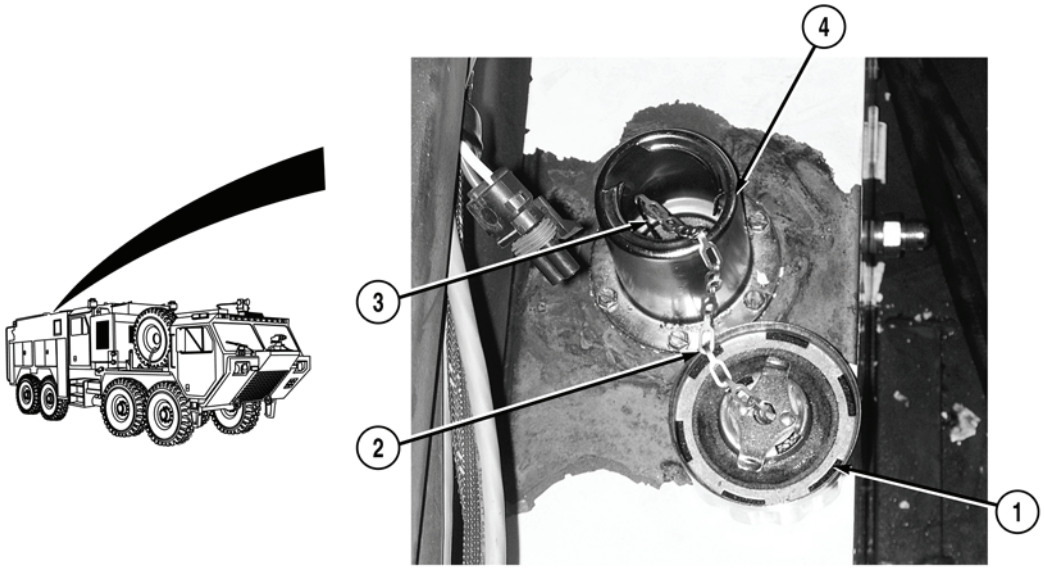
HYDRAULIC GENERATOR RESERVOIR BREATHER REPLACEMENT

INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive
(WP 0622, Item 27)

Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (TM 9-2320-347-10)
Wheels chocked (TM 9-2320-347-10)

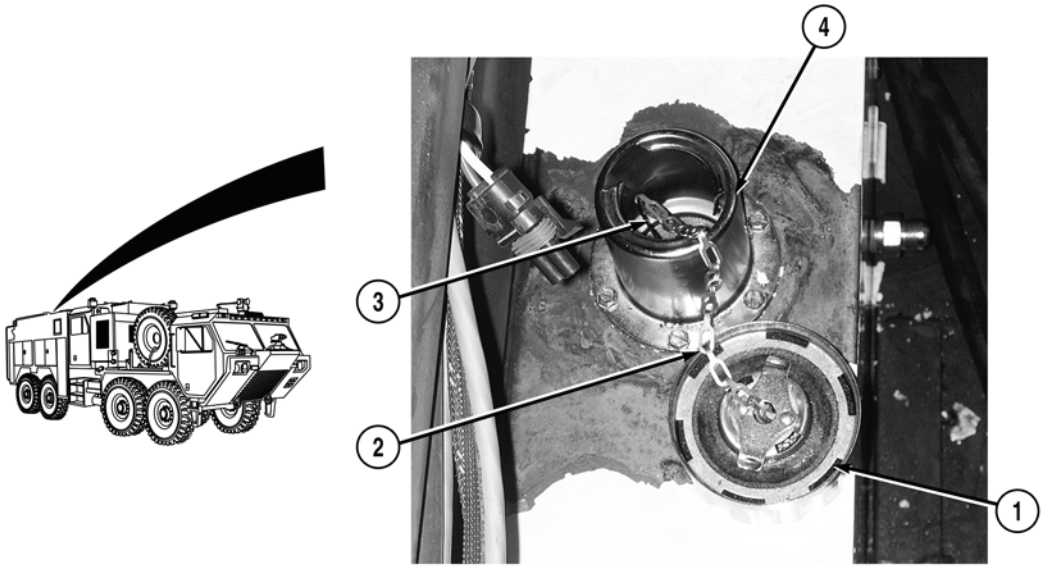
REMOVAL



1. Remove hydraulic breather (1), chain (2), and ring (3) from filler neck (4).
2. Remove ring (3) from chain (2).

END OF TASK

INSTALLATION



1. Install ring (3) on chain (2).
2. Install ring (3), chain (2), and hydraulic breather (1) on filler neck (4).

END OF TASK

FOLLOW-ON MAINTENANCE

Remove wheel chocks (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR RESERVOIR FLUID LEVEL GAUGE REPLACEMENT

INITIAL SETUP:

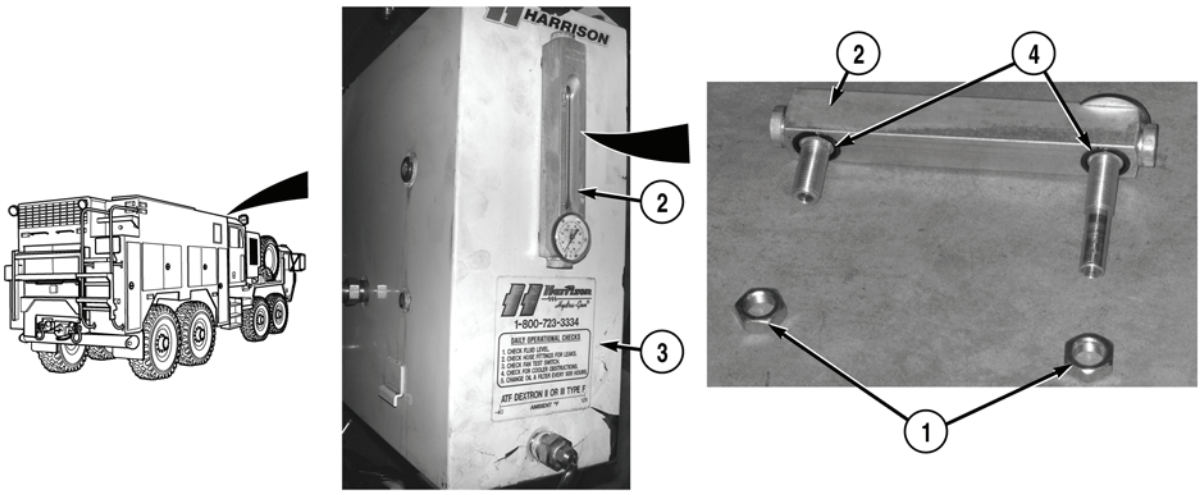
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Preformed Packing (2)

References
WP 0615, Fig. 178

Equipment Conditions
Hydraulic reservoir drained (serviced) (WP 0588)
Hydraulic oil filter base removed (WP 0590)

REMOVAL



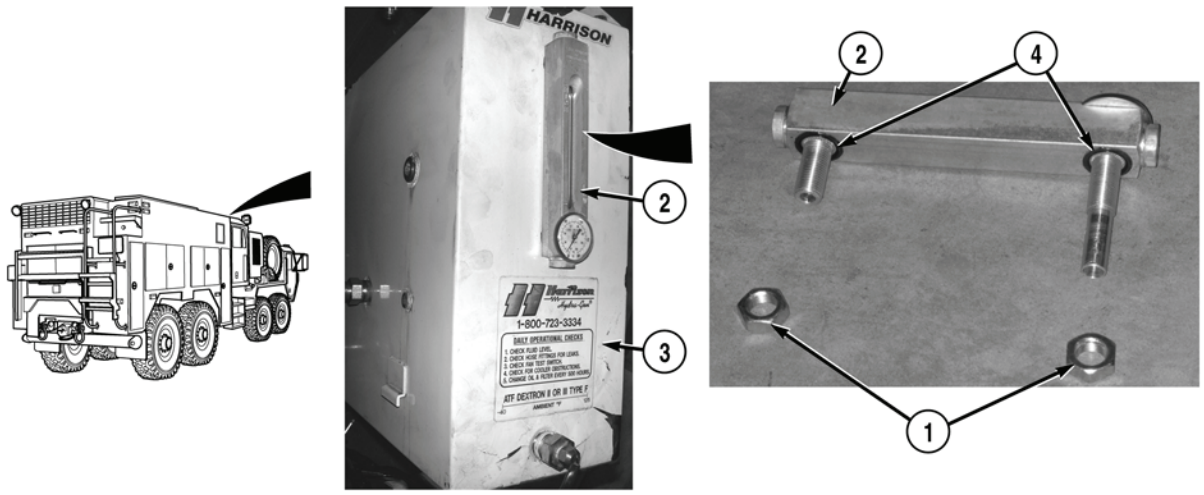
NOTE

Note position of hydraulic reservoir fluid level gauge prior to removal to ensure proper installation.

1. Remove two nuts (1) and hydraulic reservoir fluid gauge (2) from hydraulic reservoir (3).
2. Remove two preformed packings (4) from hydraulic reservoir fluid gauge (2). Discard preformed packings.

END OF TASK

INSTALLATION



1. Install two preformed packings (4) on hydraulic reservoir fluid gauge (2).

NOTE

Install hydraulic reservoir fluid gauge as noted prior to removal.

2. Install hydraulic reservoir fluid gauge (2) on hydraulic reservoir (3) with two nuts (1).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Install hydraulic filter base (WP 0590)
2. Fill hydraulic reservoir (serviced) (WP 0588)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR RESERVOIR REPLACEMENT

INITIAL SETUP:

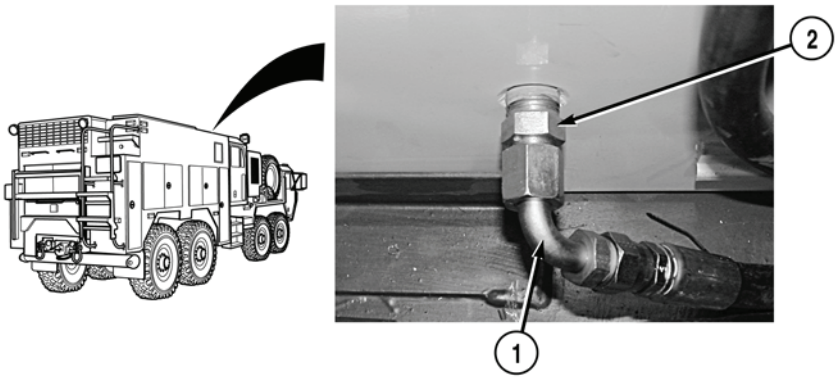
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Compound, Sealing, Pipe Thread (WP 0625, Item 21)
Lockwasher (2)
Lockwasher (2)

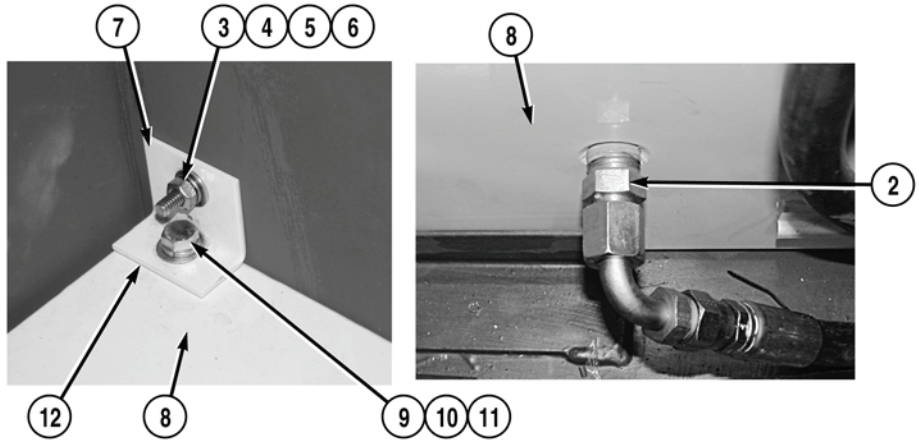
References
WP 0015
WP 0615, Fig. 178

Equipment Conditions
Hydraulic reservoir strainer removed (WP 0597)
Hydraulic generator reservoir fluid level gauge removed (WP 0595)
Hydraulic generator reservoir temperature sensor removed (WP 0598)
Hydraulic generator reservoir boost unit assembly removed (WP 0593)

REMOVAL



1. Remove elbow (1) from fitting (2).
2. Open hose bed cover (WP 0015).



NOTE

Screws are located in hose compartment.

3. Remove two nuts (3), lockwashers (4), four washers (5), and two screws (6) from two brackets (7) and vehicle. Discard lockwashers.
4. Remove hydraulic reservoir (8) from vehicle.
5. Remove two screws (9), lockwashers (10), washers (11), brackets (7), and rubber grommets (12) from hydraulic reservoir (8). Discard lockwashers.
6. Remove fitting (2) from hydraulic reservoir (8).



7. Remove two screws (13) and rubber grommet (14) from hydraulic reservoir (8).
8. Remove two plugs (15) and (16) from hydraulic reservoir (8).

END OF TASK

INSTALLATION

WARNING



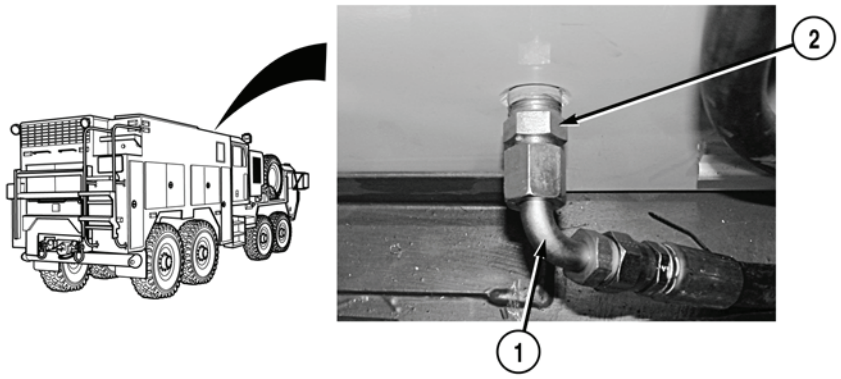
Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

1. Apply sealing compound to two plugs (15) and (16) and fitting (2).
2. Install two plugs (16) and (15) on hydraulic reservoir (8).
3. Install two rubber grommets (14) and screws (13) on hydraulic reservoir (8).
4. Install fitting (2) on hydraulic reservoir (12).
5. Position hydraulic reservoir (8) in vehicle.
6. Install two rubber grommets (12) and brackets (7) on hydraulic reservoir (8) with two washers (11), lockwashers (10), and screws (9).

NOTE

Install screws in same position as noted prior to removal.

7. Install two brackets (7) on vehicle with two screws (6), four washers (5), two lockwashers (4), and nuts (3).
8. Close hose bed cover (WP 0015).



9. Install elbow (1) on fitting (2).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Install hydraulic generator reservoir boost unit assembly (WP 0593)
2. Install hydraulic generator reservoir temperature sensor (WP 0598)
3. Install hydraulic generator reservoir fluid level gauge (WP 0595)
4. Install hydraulic reservoir strainer (WP 0597)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR RESERVOIR STRAINER REPLACEMENT

INITIAL SETUP:

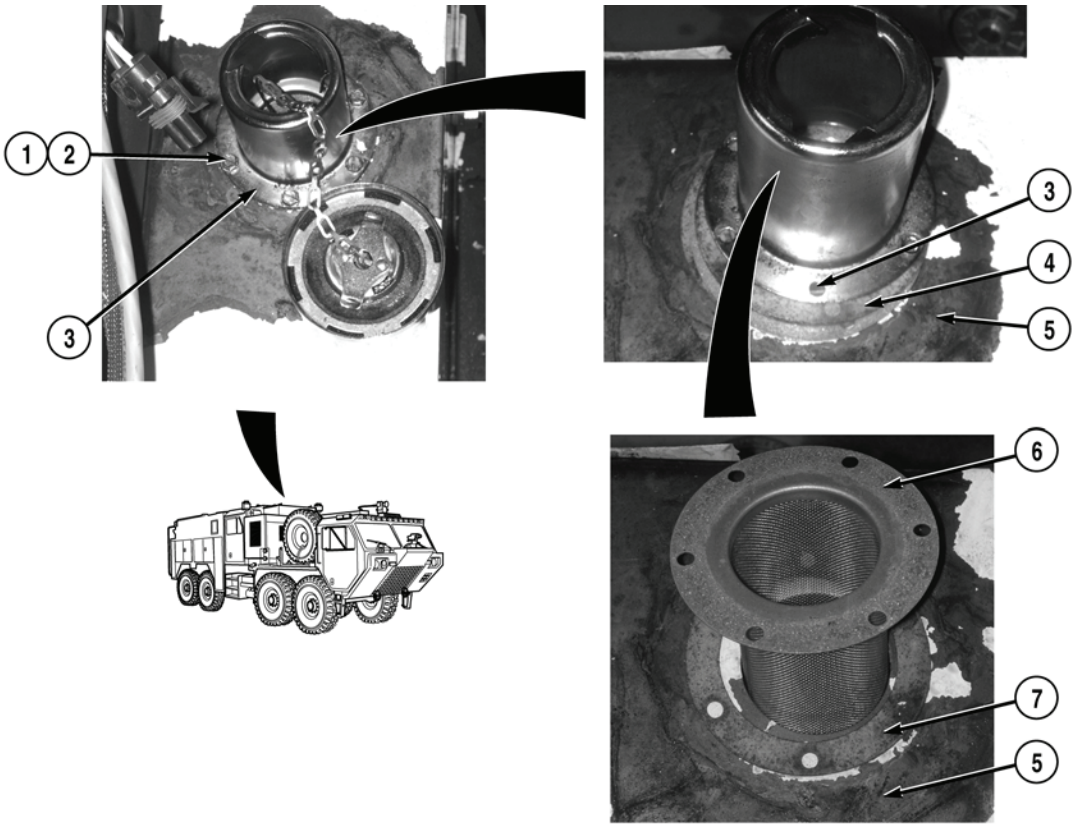
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Lockwasher (6)

References
WP 0615, Fig. 178

Equipment Conditions
Hydraulic reservoir breather removed (WP 0594)

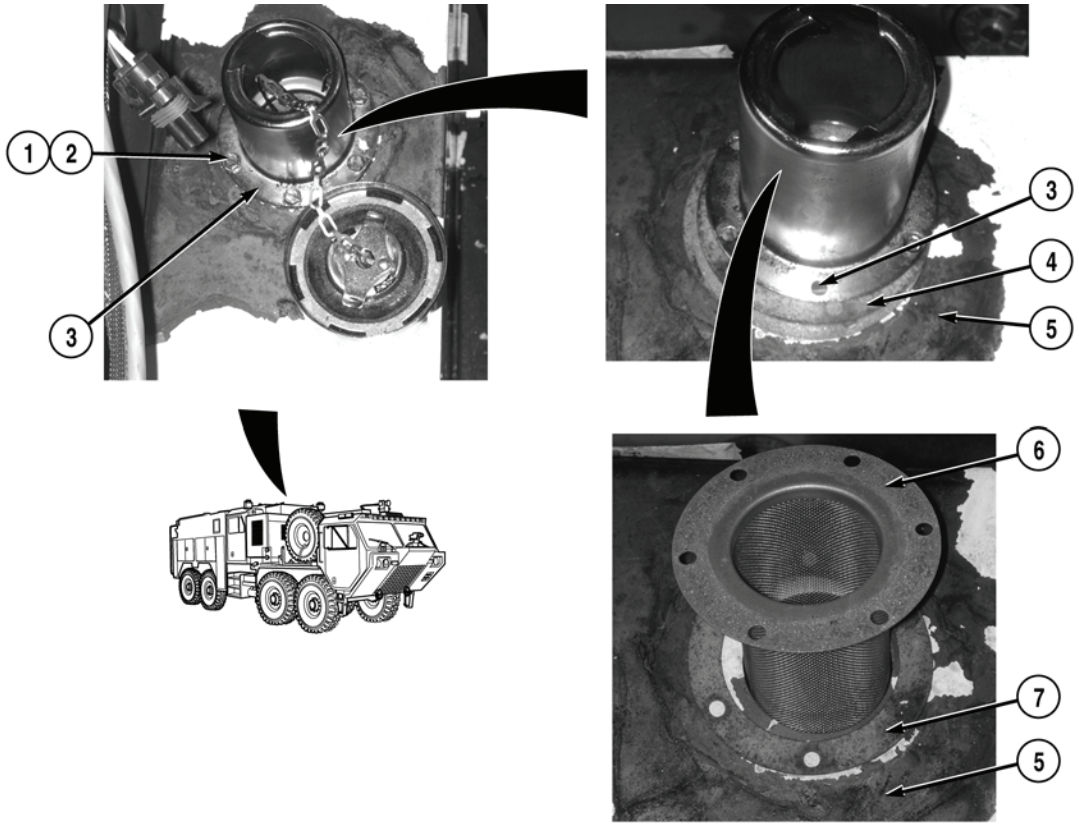
REMOVAL



1. Remove six screws (1), lockwashers (2), filler neck (3), and gasket (4) from hydraulic reservoir (5). Discard lockwashers.
2. Remove strainer (6) and gasket (7) from hydraulic reservoir (5).

END OF TASK

INSTALLATION



1. Install gasket (7) and strainer (6) on hydraulic reservoir (5).
2. Install gasket (4) and filler neck (3) on hydraulic reservoir (2) with lockwashers (2) and six screws (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Install hydraulic reservoir breather (WP 0594)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC GENERATOR RESERVOIR TEMPERATURE SENSOR REPLACEMENT

INITIAL SETUP:

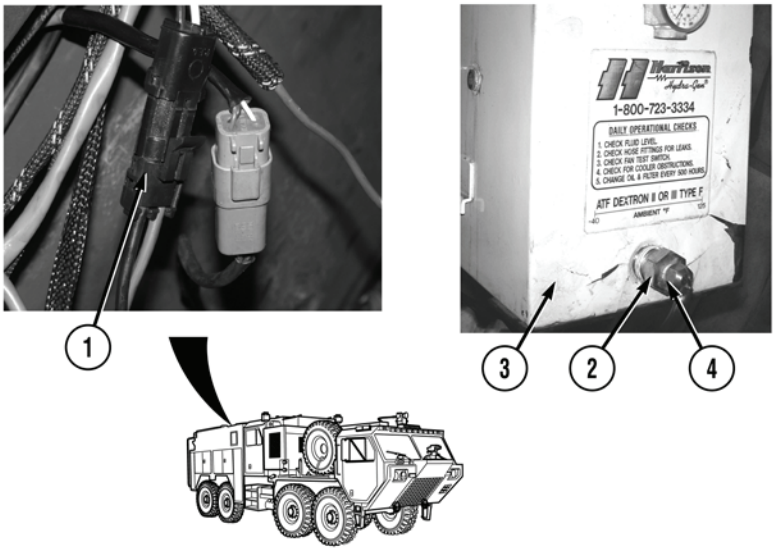
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Compound, Sealing, Pipe Thread (WP 0625, Item 21)
Ties, Cable, Plastic (WP 0625, Item 58)

References
WP 0615, Fig. 178

Equipment Conditions
Hydraulic generator reservoir drained (WP 0588)

REMOVAL



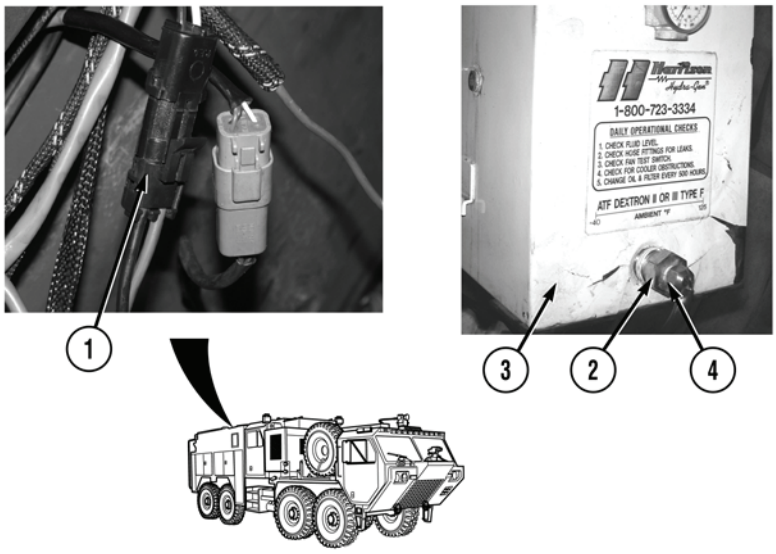
NOTE

Note position and remove cable ties and cushion clips as required.

1. Disconnect connector (1).
2. Remove plug (2) from hydraulic reservoir (3).
3. Remove hydraulic temperature sensor (4) from plug (2).

END OF TASK

INSTALLATION



WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

1. Apply sealing compound to the threads of hydraulic temperature sensor (4).
2. Install hydraulic temperature sensor (4) on plug (2).
3. Apply sealing compound to the threads of plug (2).
4. Install plug (2) on hydraulic reservoir (3).
5. Connect connector (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Fill hydraulic generator reservoir (WP 0588)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HYDRAULIC SYSTEM BLEED

INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

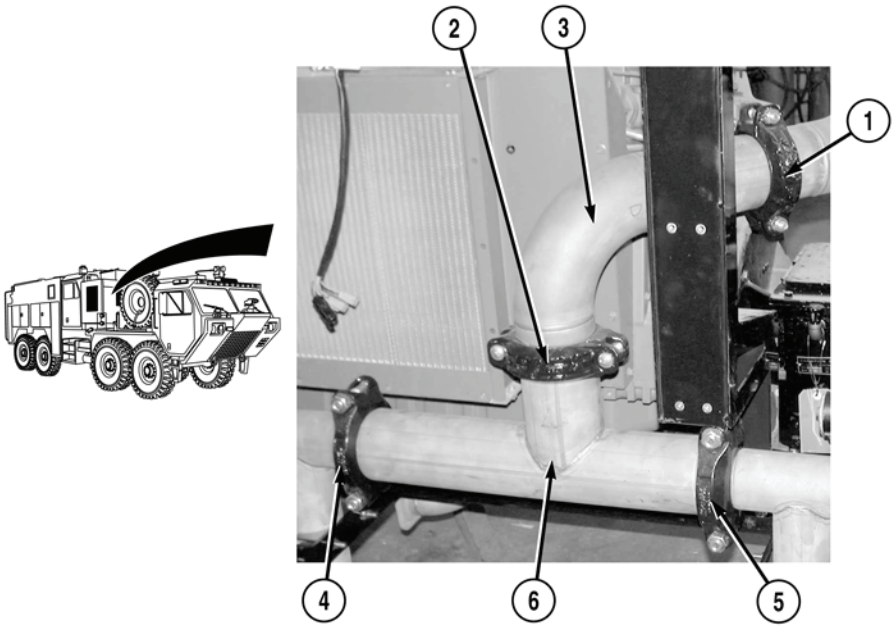
Materials/Parts
Oil, Hydraulic, Dextron III (WP 0625, Item 36)

Personnel Required
MOS 63B Wheeled vehicle mechanic (2)

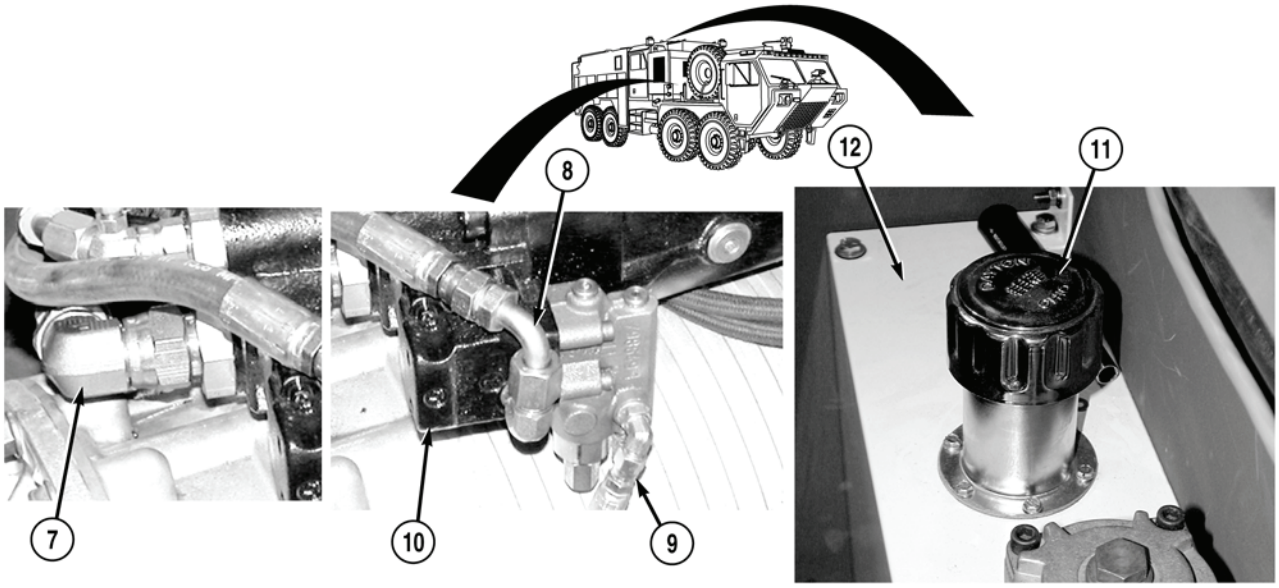
References
WP 0021
WP 0192
WP 0483
WP 0588

Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (TM 9-2320-347-10)
Pump house panel G removed (WP 0540)

BLEEDING



1. Remove two couplings (1) and (2) and pipe (3) from vehicle (WP 0483).
2. Remove two couplings (4) and (5) and pipe (6) from vehicle (WP 0483).



3. Loosen hydraulic hoses (7), (8), and (9) and check for steady flow of hydraulic oil at hydraulic pump (10).

⚠ CAUTION

Do not over pressurize hydraulic reservoir. Failure to comply may cause damage to equipment.

NOTE

Perform Steps (4) through (7) only if necessary to pressurize hydraulic system for hydraulic oil flow.

4. Use a clean cloth and air hose to pressurize hydraulic reservoir.
5. Ensure air is slowly added to reservoir only. Do not mix air with oil.
6. With the aid of an assistant, remove breather cap (11) from hydraulic reservoir (12) and pressurize hydraulic reservoir (12), while checking for oil flow at hydraulic pump (10).
7. Install breather cap (11) on hydraulic reservoir (12).
8. Tighten hydraulic hoses (7), (8), and (9) and wipe dry.
9. Start engine (TM 9-2320-347-10) and warm up until normal idle speed.
10. Loosen hydraulic hose (9) and allow steady flow of hydraulic oil until no bubbles are visible.
11. Tighten hydraulic hose (9) and check for oil leaks.
12. Increase engine speed to operating RPM (WP 0021) and hold without load 10-15 minutes allowing hydraulic system to remove air and fill hydraulic reservoir (12) (WP 0588).
13. Apply load on hydraulic system (WP 0021) and check generator output.

NOTE

Perform Step (14) only if voltage and frequency reading is incorrect.

14. Adjust hydraulic compensator (WP 0192).

NOTE

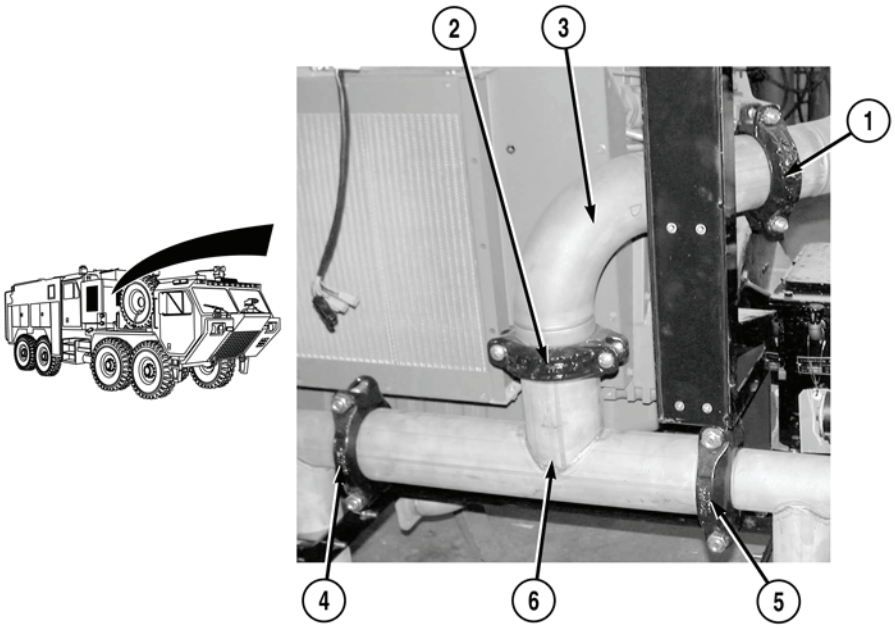
Perform Steps (15) through (19) if voltage and frequency reading is unstable.

15. Remove load on hydraulic system and lower engine speed to idle (WP 0021).
16. Loosen hydraulic hose (3) and allow steady flow of hydraulic oil until no bubbles are visible.
17. Tighten hydraulic hose (3) and check for oil leaks.
18. Increase engine speed to operating RPM (WP 0021) and hold without load 10-15 minutes allowing hydraulic system to remove air and fill hydraulic reservoir (6) (WP 0588).
19. Apply load on hydraulic system (WP 0021) and check generator output.

NOTE

Repeat Steps (14) through (19) as necessary.

20. Remove load on hydraulic system and lower engine speed to idle (WP 0021).
21. Check hydraulic system for oil leaks.
22. Install pipe (6) and couplings (4) and (5) on vehicle (WP 0483).



23. Install pipe (3) and couplings (1) and (2) on vehicle (WP 0483).

END OF TASK

FOLLOW-ON MAINTENANCE

Install pump house panel G (WP 0540)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

POWER TAKE OFF (PTO) REPLACEMENT

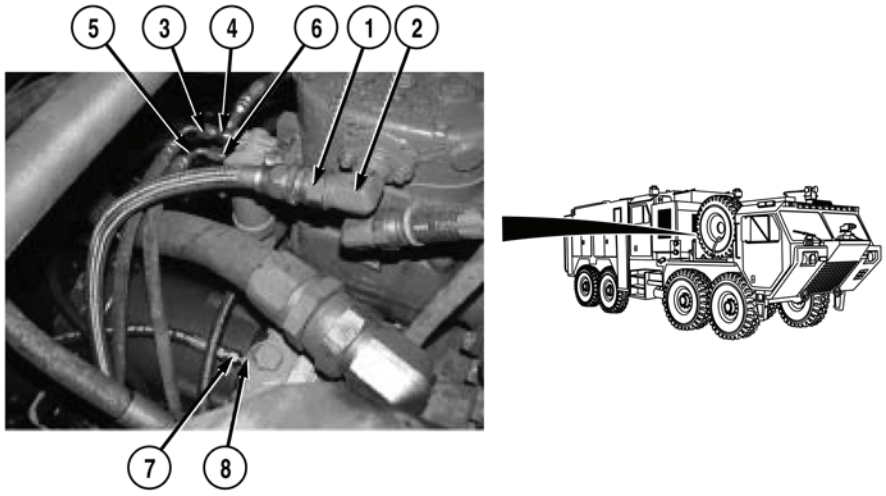
INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Adhesive, Thread, Locking (WP 0625, Item 7)
Compound, Sealing, Pipe Thread (WP 0625, Item 21)
Tags, Identification (WP 0625, Item 51)

Equipment Conditions
Air system drained (TM 9-2320-347-10)
PTO pump removed (WP 0601)

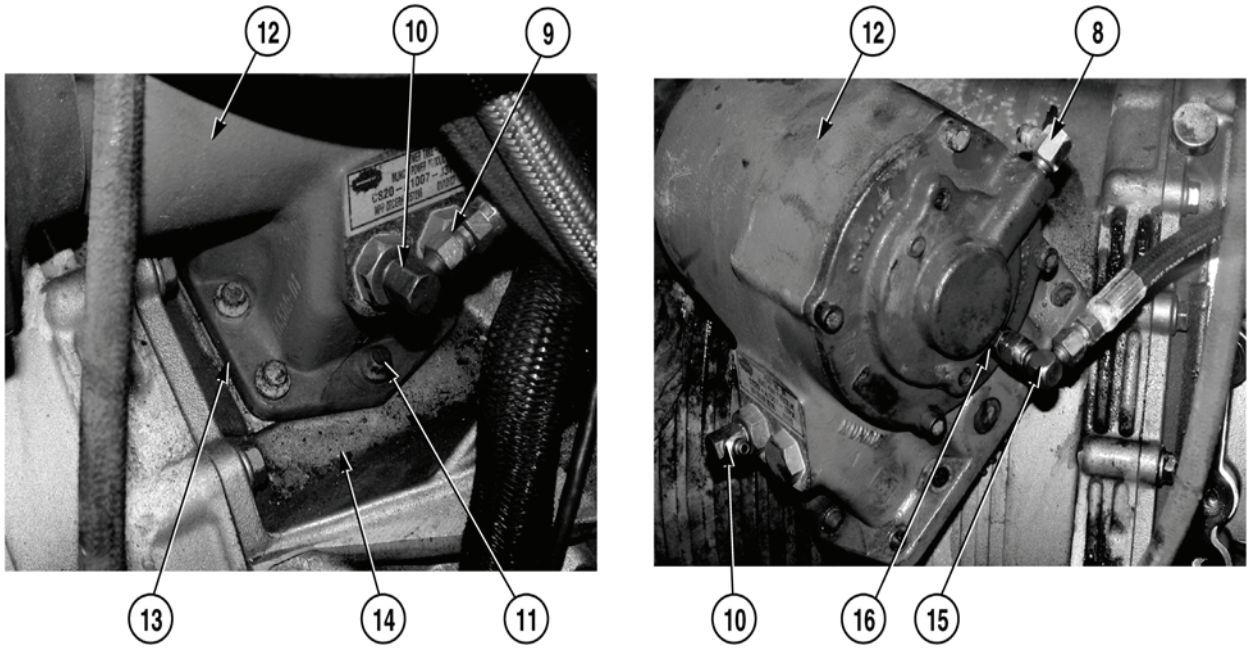
REMOVAL



NOTE

- Hoses (1), (3), and (5) are removed for accessibility to PTO.
- Tag and mark hoses prior to removal to ensure proper installation.

1. Remove hose (1) from elbow (2).
2. Remove hose (3) from tee (4).
3. Remove hose (5) from fitting (6).
4. Remove hose (7) from elbow (8).



5. Remove hose (9) from elbow (10).
6. Remove eight screws (11), PTO (12), and gasket (13) from transmission (14).
7. Remove elbow (15) from fitting (16).

NOTE

Note position of elbows prior to removal to ensure proper installation.

8. Remove two elbows (8) and (10) and fitting (16) from PTO (12).

END OF TASK

INSTALLATION

WARNING



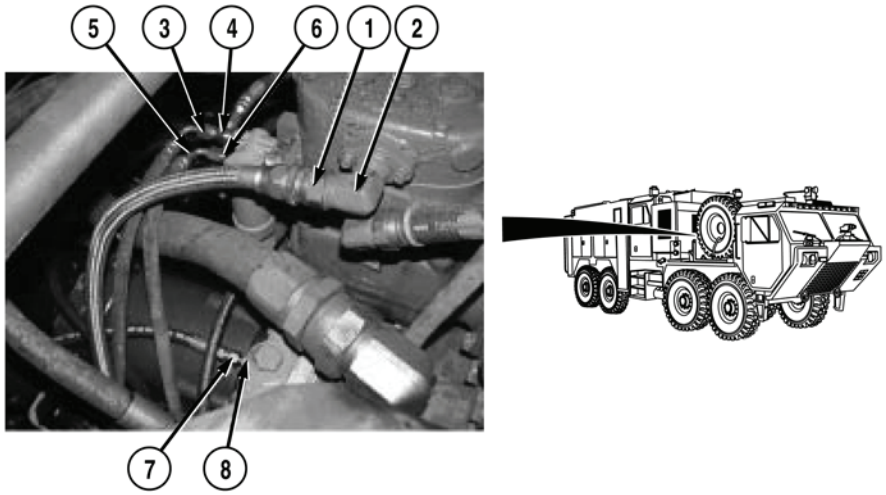
Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

1. Apply sealing compound to threads of two elbows (8) and (10) and fitting (16).

NOTE

Install elbows as noted prior to removal.

2. Install two elbows (8) and (10) and fitting (16) on PTO (12).
3. Install elbow (15) on fitting (16).
4. Apply sealing compound to threads of eight screws (11).
5. Install gasket (13) and PTO (12) on transmission (14) with eight screws (11).
6. Install hose (9) on elbow (10).



7. Install hose (7) on elbow (8).
8. Install hose (5) on fitting (6).
9. Install hose (3) on tee (4).
10. Install hose (1) on elbow (2).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Install PTO pump (WP 0601)
2. Start engine and build up air pressure (TM 9-2320-347-10)
3. Shut off engine (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

POWER TAKE OFF (PTO) PUMP REPLACEMENT

INITIAL SETUP:

Tools and Special Tools
Drain Pan (WP 0622, Item 9)
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

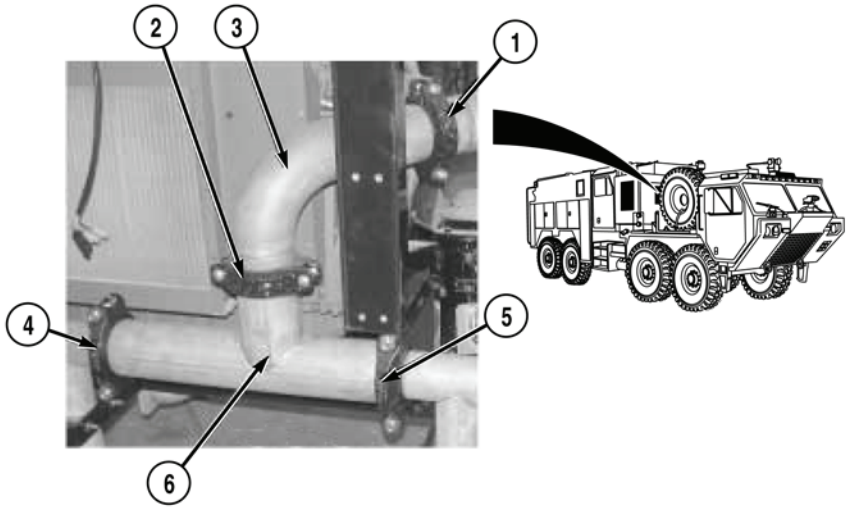
Materials/Parts
Tags, Identification (WP 0625, Item 51)
Ties, Cable, Plastic (WP 0625, Item 58)
Lockwasher (2)

Personnel Required
MOS 63B Wheeled vehicle mechanic (2)

References
WP 0483
WP 0584
WP 0599
WP 0615, Fig. 179

Equipment Conditions
Hydraulic reservoir drained (WP 0588)
Water system drained (WP 0041)
Pump house panel G removed (WP 0540)

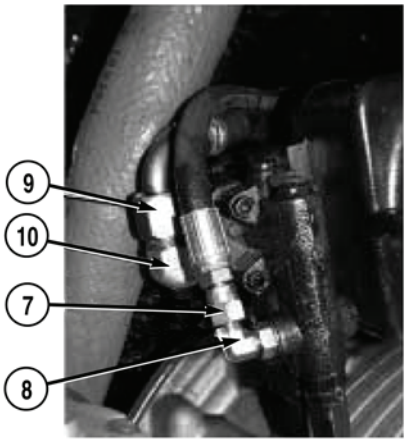
REMOVAL



NOTE

Remove cable ties and cushion clips as required.

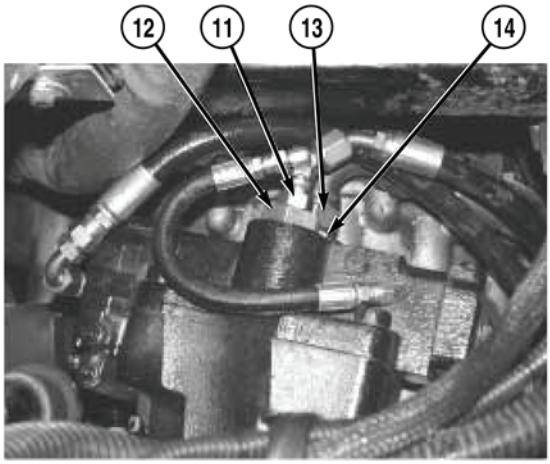
1. Remove two couplings(1) and (2) and pipe (3) from vehicle (WP 0483).
2. Remove two couplings (4) and (5) and pipe (6) from vehicle (WP 0483).



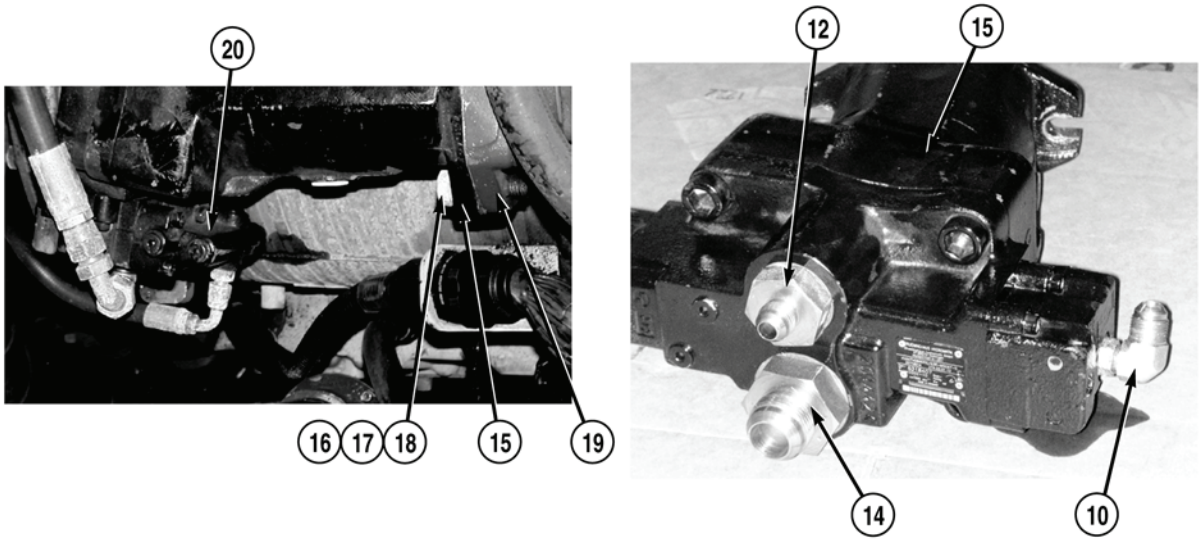
NOTE

- Tag and mark hoses prior to removal to ensure proper installation.
- Hydraulic oil may leak from hoses. Position a suitable drain pan under hoses to catch excess oil.

3. Remove hose (7) from elbow (8).
4. Remove hose (9) from elbow (10).



5. Remove fitting (11) from fitting (12).
6. Remove hose (13) from fitting (14).



WARNING

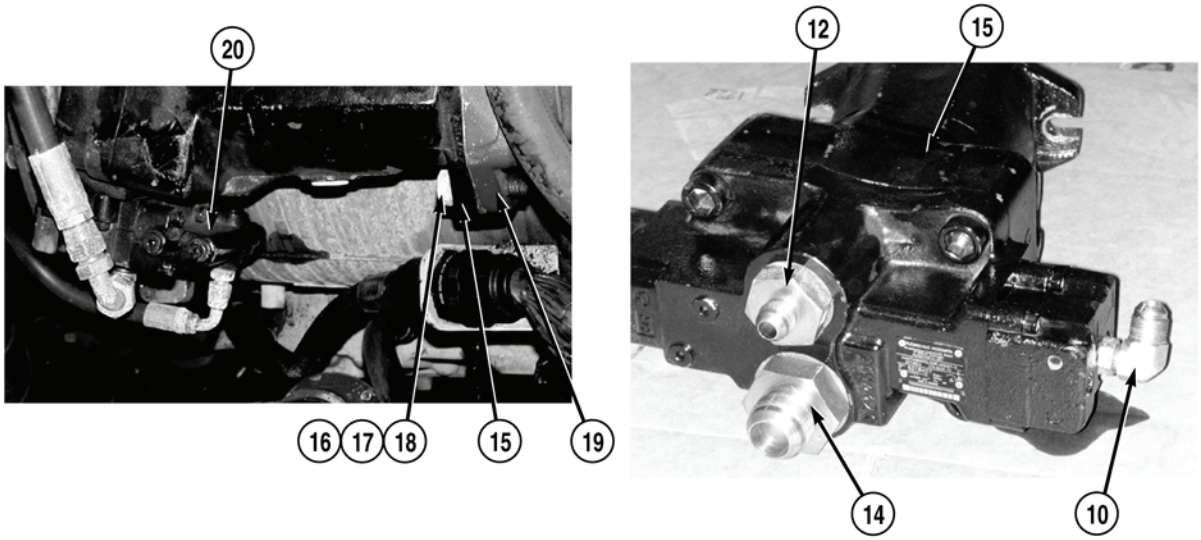


PTO pump is heavy. Do not attempt to lift PTO pump without the aid of an assistant. Failure to comply may result in injury to personnel.

7. With the aid of an assistant, remove two screws (16), lockwashers (17), washers (18), and PTO pump (15) from PTO (19). Discard lockwashers.
8. Remove hydraulic generator compensator (20) (WP 0584).
9. Remove fitting (12), fitting (14), and elbow (10) from PTO pump (15).

END OF TASK

INSTALLATION



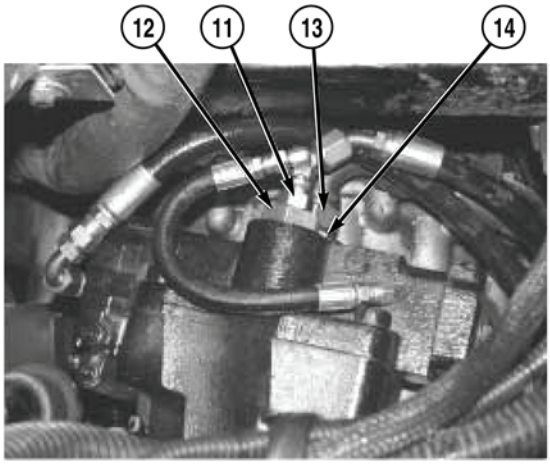
1. Install elbow (10), fitting (14), and fitting (12) on PTO pump (15).
2. Install hydraulic generator compensator (20) (WP 0584).

WARNING

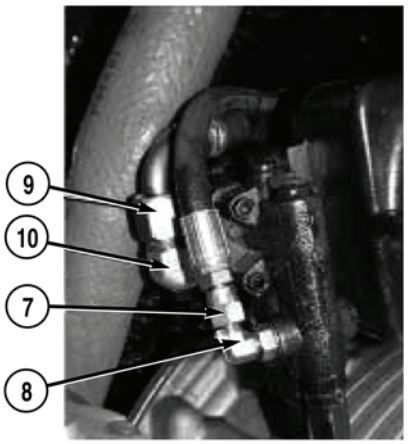


PTO pump is heavy. Do not attempt to lift PTO pump without the aid of an assistant. Failure to comply may result in injury to personnel.

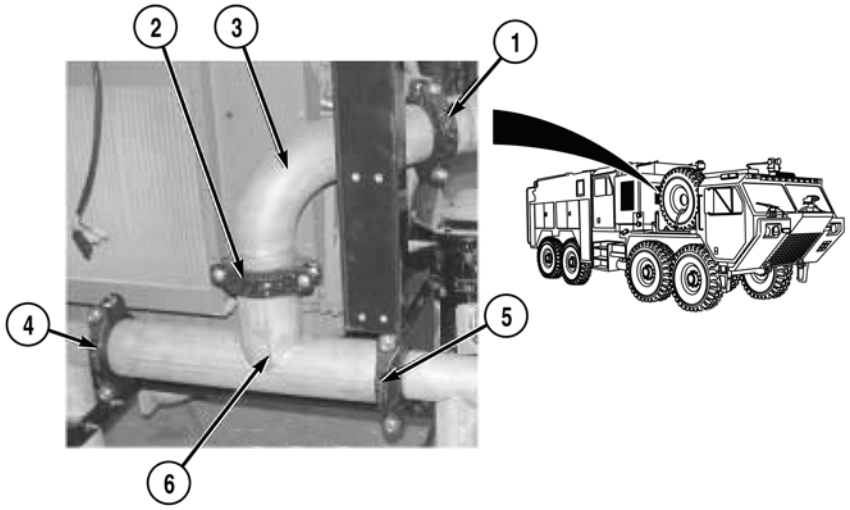
3. With the aid of an assistant, install PTO pump (15) on PTO (19) with two washers (18), lockwashers (17), and screws (16).



4. Install hose (13) from fitting (14).
5. Install fitting (11) on fitting (12).



6. Install hose (9) on elbow (10).
7. Install hose (7) on elbow (8).
8. Fill hydraulic generator oil reservoir (WP 0588).
9. Bleed hydraulic system (WP 0599).



10. Install pipe (6) and couplings (4) and (5) on vehicle (WP 0483).
11. Install pipe (3) and couplings (1) and (2) on vehicle (WP 0483).

END OF TASK

FOLLOW-ON MAINTENANCE

Install pump house panel G (WP 0540)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

POWER TAKE OFF (PTO) SOLENOID AND PRESSURE SWITCH REPLACEMENT

INITIAL SETUP:

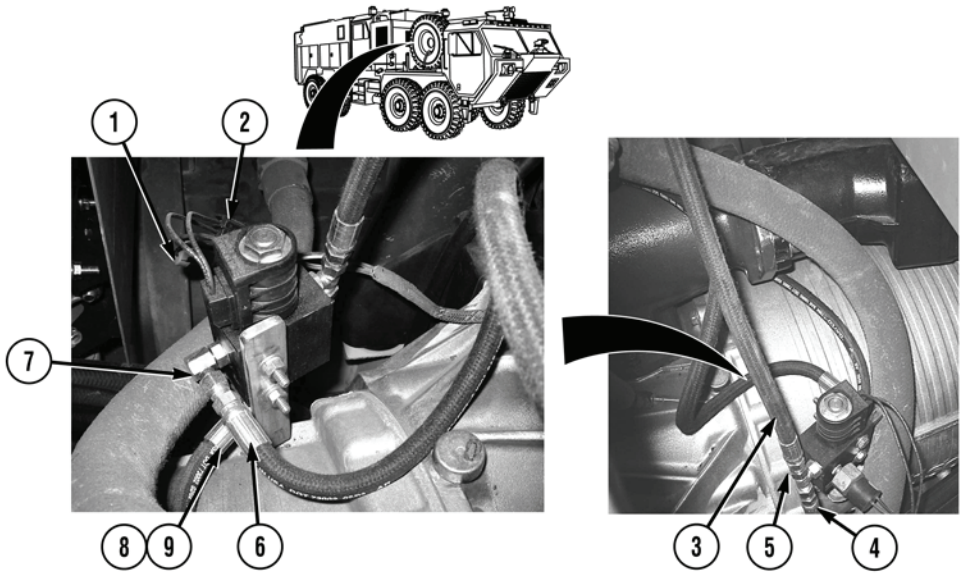
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Compound, Sealing, Pipe Thread (WP 0625, Item 51)
Tags, Identification (WP 0625, Item 51)
Lockwasher (2)
Preformed Packing (3)

References
WP 0615, Fig. 179

Equipment Conditions
Water pump engine OFF (WP 0041)
Batteries disconnected (TM 9-2320-325-14&P)
Left splash guard removed (TM 9-2320-325-14&P)

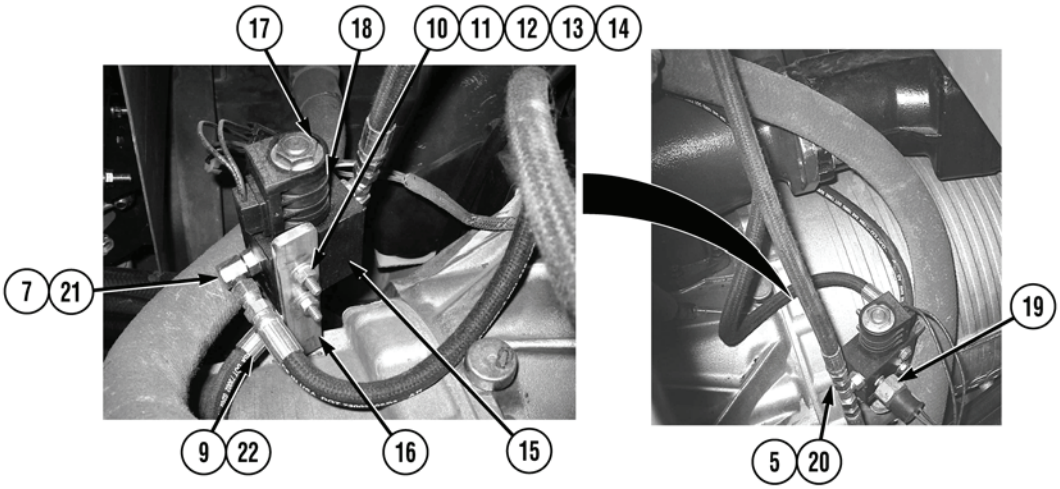
REMOVAL



NOTE

Tag and mark connectors and hoses prior to removal to ensure proper installation.

1. Disconnect two connectors (1) and (2).
2. Remove two hoses (3) and (4) from tee (5).
3. Remove hose (6) from elbow (7).
4. Remove hose (8) from fitting (9).



NOTE

Note position of washers and lockwashers prior to removal to ensure proper installation.

5. Remove two nuts (10), lockwashers (11), washers (12), screws (13), washers (14), and valve body (15) from bracket (16). Discard lockwashers.
6. Remove nut (17) and solenoid (18) from valve body (15).
7. Remove switch (19) from valve body (15).
8. Remove tee (5), elbow (7), fitting (9), and three preformed packings (20), (21), and (22) from valve body (15). Discard preformed packings.

END OF TASK

INSTALLATION

1. Install three preformed packings (22), (21), and (20), fitting (9), elbow (7), and tee (5) on valve body (15).

WARNING



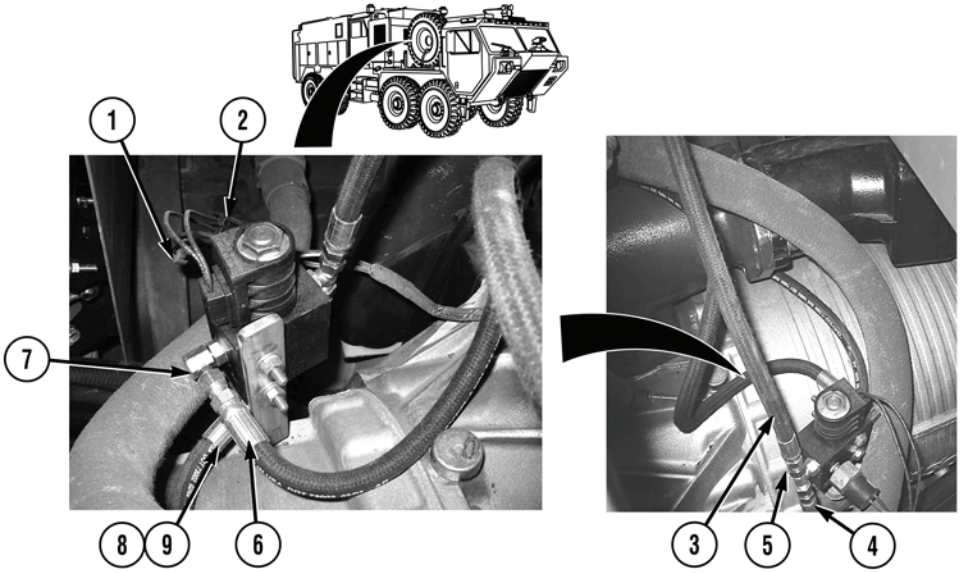
Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

2. Apply sealing compound on threads of switch (19).
3. Install switch (19) on valve body (15).
4. Install solenoid (18) on valve body (15) with nut (17).

NOTE

Install washers and lockwashers as noted prior to removal.

5. Install valve body (15) on bracket (16) with two washers (14), screws (13), washers (12), lockwashers (11), and nuts (10).



6. Install hose (8) on fitting (9).
7. Install hose (6) on elbow (7).
8. Install two hoses (4) and (3) on tee (5).
9. Connect two connectors (1) and (2).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Install left splash guard (TM 9-2320-325-14&P)
2. Connect batteries (TM 9-2320-325-14&P)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

CREW CAB INSULATION REPLACEMENT

INITIAL SETUP:

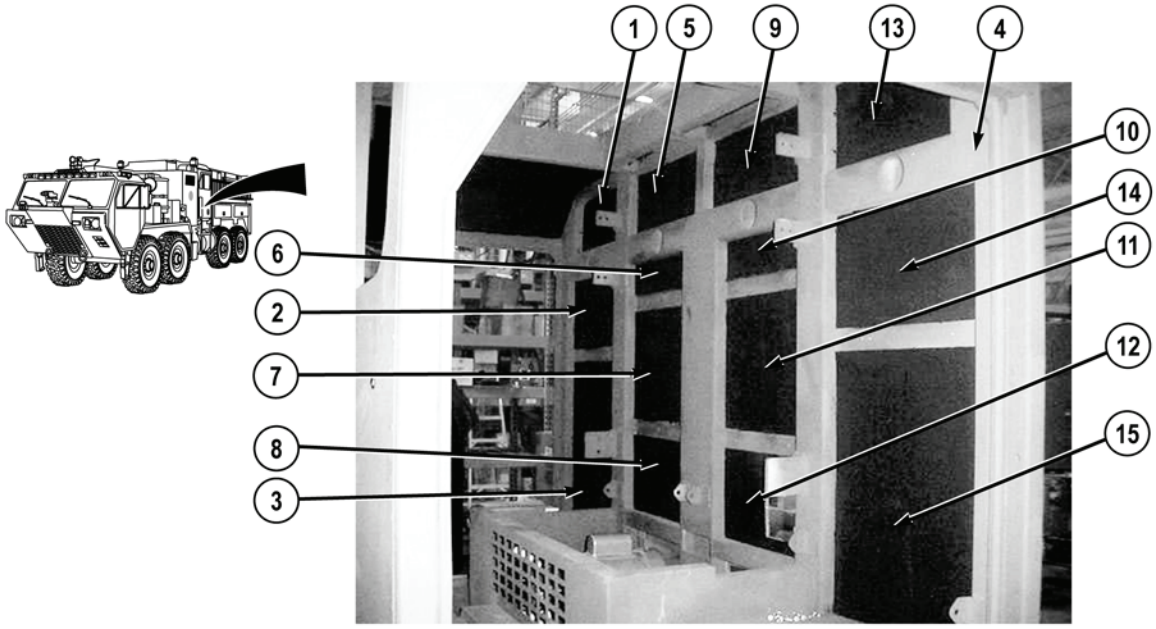
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Mineral Spirits (WP 0625, Item 32)

References
WP 0615, Fig. 180

Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (if required) (TM 9-2320-347-10)
Wheels chocked (if required) (TM 9-2320-347-10)
SCBA seat removed (for rear cab insulation only) (WP 0497)
Pump operator's platform unstowed (for center front cab insulation only) (WP 0016)

REMOVAL

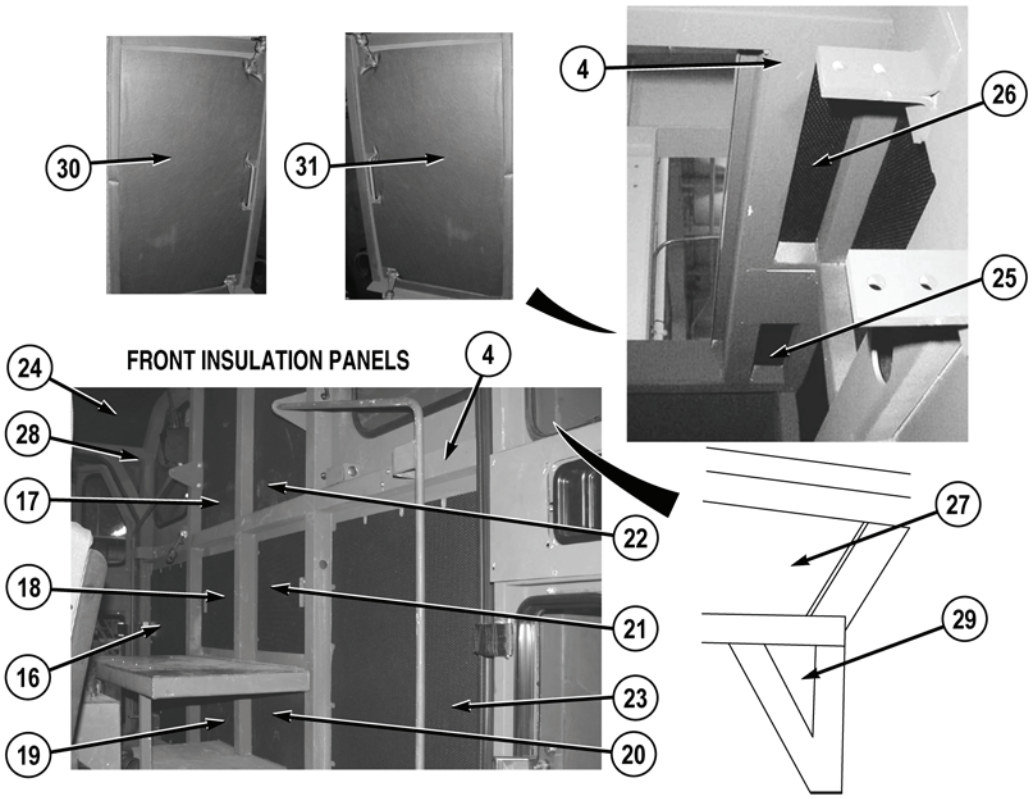


REAR INSULATION PANELS

NOTE

- Remove only insulation necessary to perform specific replacement.
- All insulation is removed and installed the same way.

1. Remove passenger side rear cab insulation (1), (2), and (3) from crew cab (4).
2. Remove passenger center rear cab insulation (5), (6), (7), and (8) from crew cab (4).
3. Remove driver center rear cab insulation (9), (10), (11), and (12) from crew cab (4).
4. Remove driver side rear cab insulation (13), (14), and (15) from crew cab (4).



5. Remove passenger side front cab insulation (16) from crew cab (4).
6. Remove passenger center front cab insulation (17), (18), and (19) from crew cab (4).
7. Remove driver center front cab insulation (20), (21), and (22) from crew cab (4).
8. Remove driver side front cab insulation (23) from crew cab (4).
9. Remove passenger side top cab insulation (24) from crew cab (4).
10. Remove passenger center top cab insulation (25) from crew cab (4).
11. Remove driver center top cab insulation (26) from crew cab (4).
12. Remove driver side top cab insulation (27) from crew cab (4).
13. Remove passenger side cab insulation (28) and driver side cab insulation (29) from crew cab (4).
14. Remove passenger side roof hatch insulation (30) and driver side roof hatch insulation (31) from crew cab (4).

WARNING



Adhesives, solvents, and sealing compounds can burn easily, can give off harmful vapors, and are harmful to skin and clothing. To avoid injury or death, keep away from open fire and use in well-ventilated area. If adhesive, solvent, or sealing compound gets on skin or clothing, wash immediately with soap and water.

15. Using mineral spirits, clean insulation residue from crew cab (4).

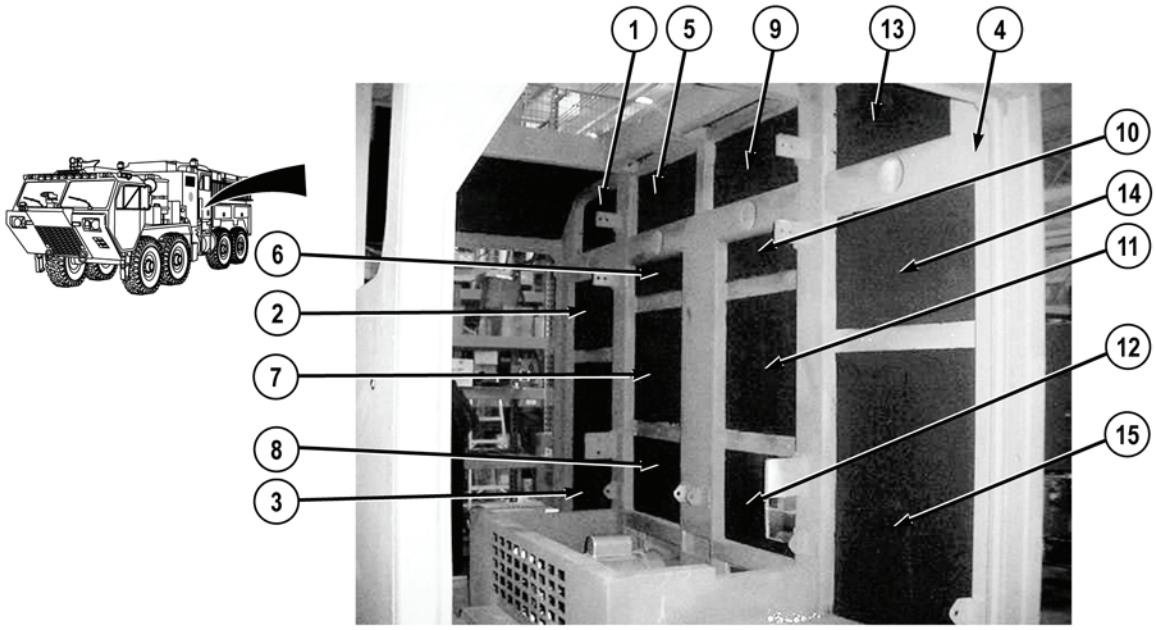
END OF TASK

INSTALLATION

NOTE

- Insulation is self-adhesive.
- Remove tape from back of each insulation piece.

1. Install driver side roof hatch insulation (31) and passenger side roof hatch insulation (30) on crew cab (4).
2. Install driver side cab insulation (29) and passenger side cab insulation (28) on crew cab (4).
3. Measure and cut hole on driver side top cab insulation (27) as noted in removal.
4. Install driver side top cab insulation (27) on crew cab (4).
5. Install driver center top cab insulation (26) on crew cab (4).
6. Install passenger center top cab insulation (25) on crew cab (4).
7. Measure and cut hole on passenger side top cab insulation (24) as noted in removal.
8. Install passenger side top cab insulation (24) on crew cab (4).
9. Measure and cut hole on driver side front cab insulation (23) as noted in removal.
10. Install driver side front cab insulation (23) on crew cab (4).
11. Install driver center front cab insulation (22), (21), and (20) on crew cab (4).
12. Measure and cut hole on passenger center front cab insulation (19) as noted in removal.
13. Install passenger center front cab insulation (19), (18), and (17) on crew cab (4).
14. Measure and cut hole on passenger side front cab insulation (16) as noted in removal.
15. Install passenger side front cab insulation (16) on crew cab (4).



REAR INSULATION PANELS

16. Install driver side rear cab insulation (15), (14), and (13) on crew cab (4).
17. Install driver center rear cab insulation (12), (11), (10), and (9) on crew cab (4).
18. Install passenger center rear cab insulation (8), (7), (6), and (5) on crew cab (4).
19. Install passenger side rear cab insulation (3), (2), and (1) on crew cab (4).

END OF TASK

FOLLOW-ON MAINTENANCE

1. Stow pump operator’s platform (for center front cab insulation only) (WP 0016)
2. Remove wheel chocks (if required) (TM 9-2320-347-10)
3. Install SCBA seat (for rear cab insulation only) (WP 0497)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HEAT TRACE JUNCTION BOX REPLACEMENT

INITIAL SETUP:

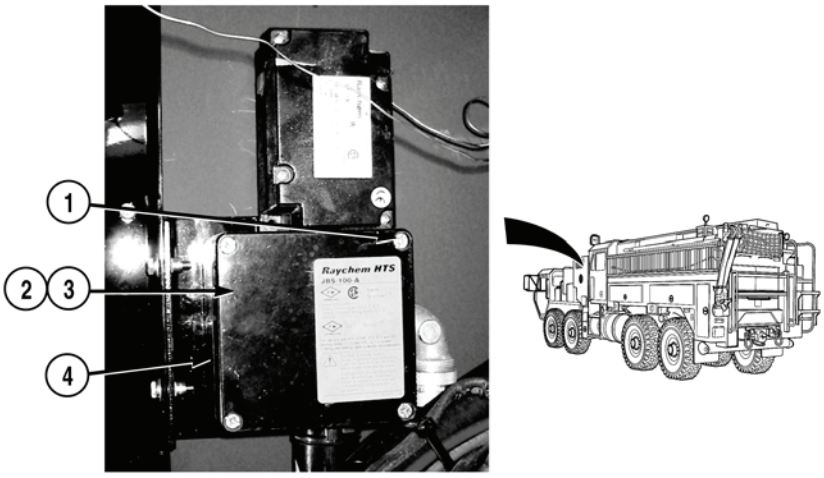
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Tags, Identification (WP 0625, Item 51)
Lockwasher (2)

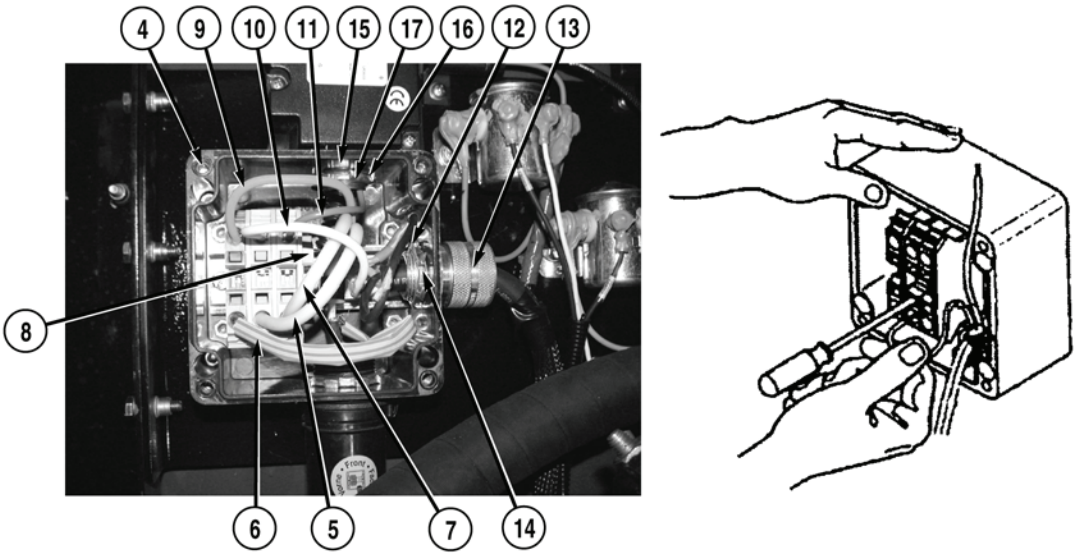
References
WP 0606
WP 0615, Fig. 181

Equipment Conditions
Heat trace thermostat removed (WP 0605)

REMOVAL



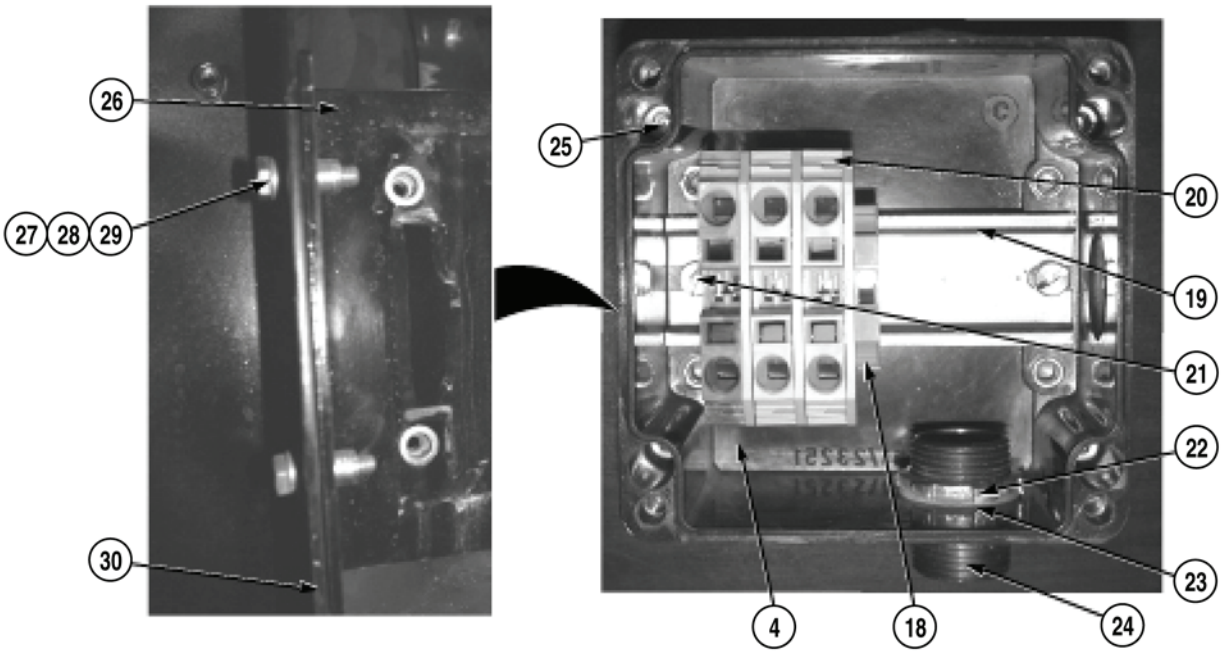
1. Remove four screws (1), cover (2), and rubber seal (3) from junction box (4).



NOTE

- Tag and mark wires prior to removal to ensure proper installation.
- Firmly insert flat blade screwdriver in square hole to open spring in terminal. When fully inserted, screwdriver will lock in place and wire can be removed from terminal.

2. Remove three heat trace cable wires (5), (6), and (7) from terminal (8) (WP 0606).
3. Remove three wires (9), (10), and (11) from terminal (8).
4. Remove nut (12) and fitting (13) from junction box (4).
5. Remove bushing (14) from fitting (13).
6. Remove nut (15) and fitting (16) from junction box (4).
7. Remove bushing (17) from fitting (16).



8. Remove fuse clip (18) from bracket (19).

NOTE

Note position of fuse blocks prior to removal to ensure proper installation.

9. Remove three fuse blocks (20) from bracket (19).
10. Remove two screws (21) and bracket (19) from junction box (4).
11. Remove nut (22), washer (23), and fitting (24) from junction box (4).
12. Remove four screws (25) and junction box (4) from bracket (26).

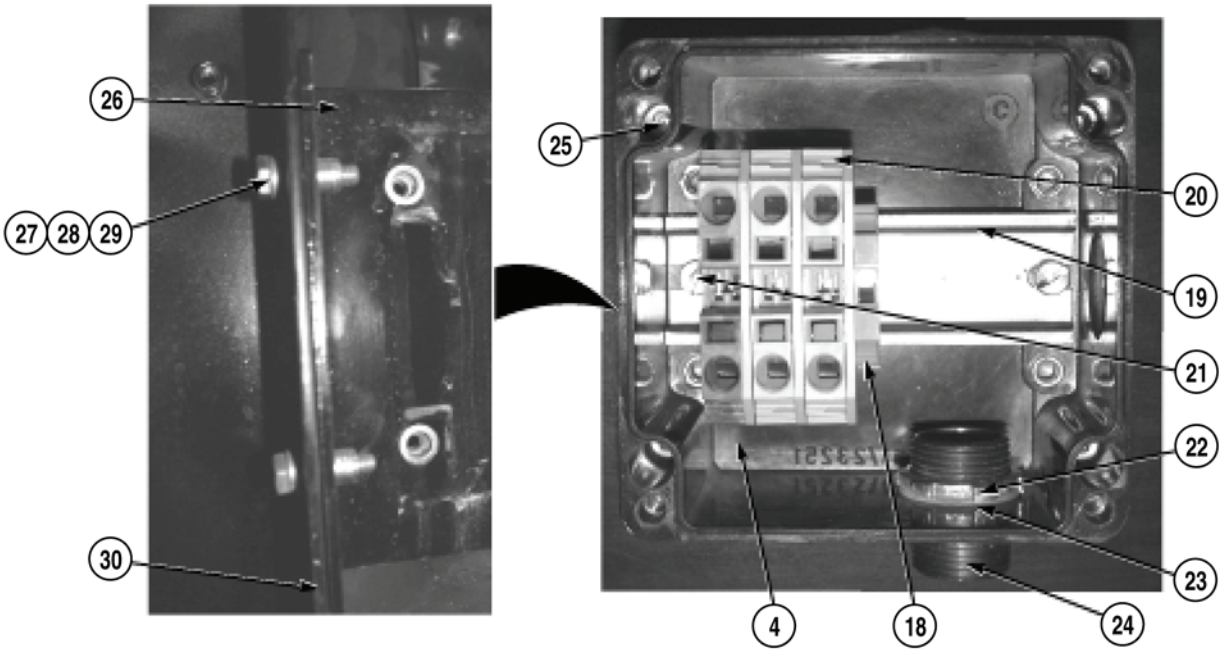
NOTE

Perform Step (13) if bracket needs to be removed.

13. Remove two screws (27), lockwashers (28), washers (29), and bracket (26) from pump house frame (30). Discard lockwashers.

END OF TASK

INSTALLATION



NOTE

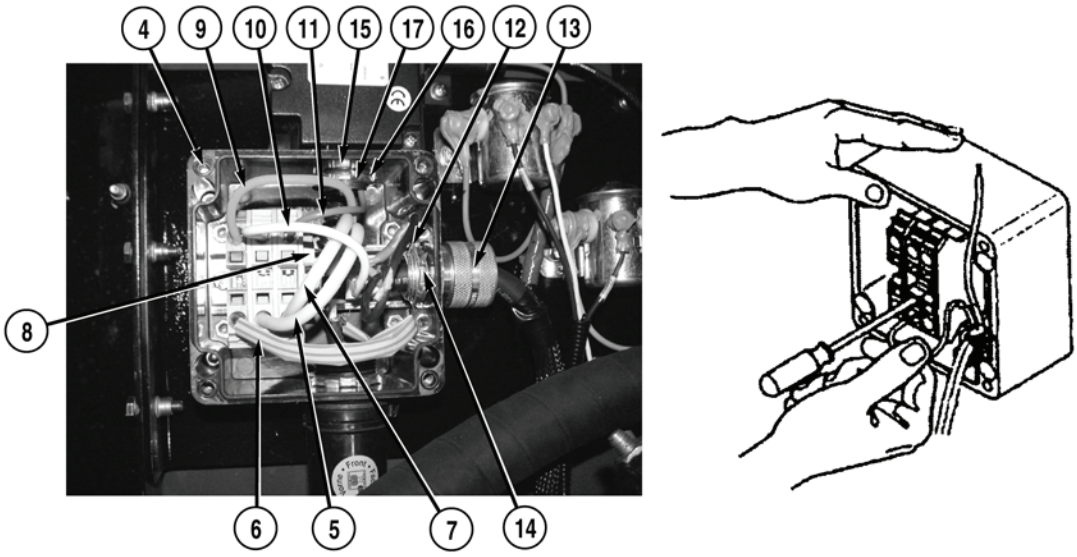
Perform Step (1) if bracket was removed.

1. Install bracket (26) on pump house frame (30) with two washers (29), lockwashers (28), and screws (27).
2. Install junction box (4) on bracket (26) with four screws (25).
3. Install fitting (24) on junction box (4) with washer (23) and nut (22).
4. Install bracket (19) in junction box (4) with two screws (21).

NOTE

Install fuse blocks on bracket as noted prior to removal.

5. Install three fuse blocks (20) on bracket (19).
6. Install fuse clip (18) on bracket (19).

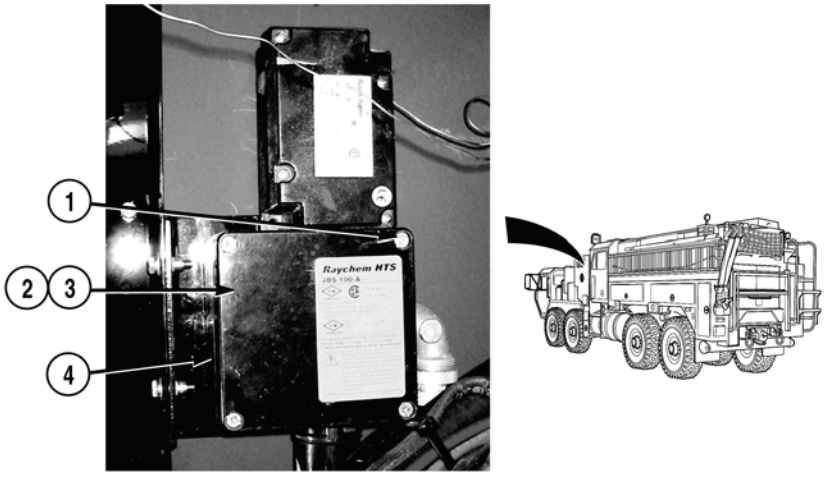


7. Install bushing (17) in fitting (16).
8. Install fitting (16) in junction box (4) with nut (15).
9. Install bushing (14) in fitting (13).
10. Install fitting (13) in junction box (4) with nut (12).

NOTE

Firmly insert flat blade screwdriver in square hole to open spring in terminal. When fully inserted, screwdriver will lock in place and wire can be installed in terminal.

11. Install three wires (11), (10), and (9) on terminal (8).
12. Install three heat trace cable wires (7), (6), and (5) on terminal (8) (WP 0606).



13. Install rubber seal (3) and cover (2) on junction box (4) with four screws (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Install heat trace thermostat (WP 0605)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

HEAT TRACE THERMOSTAT REPLACEMENT

INITIAL SETUP:

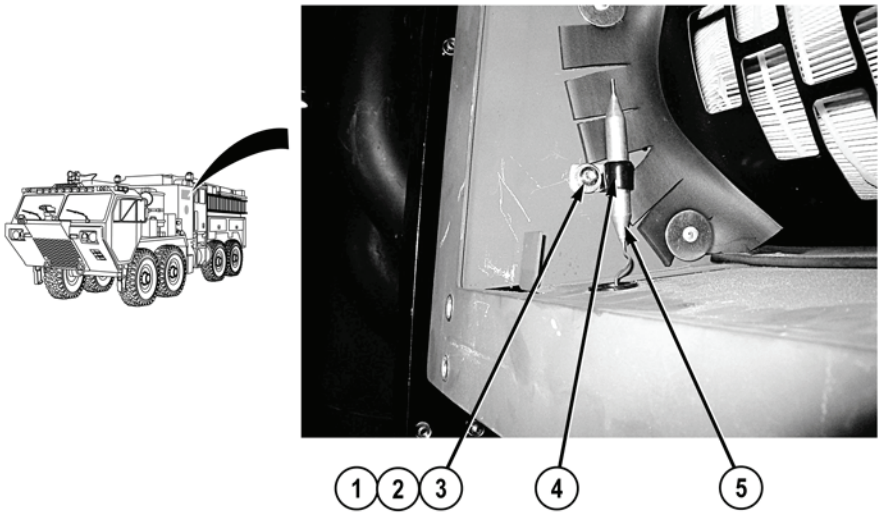
Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Lockwasher (1)

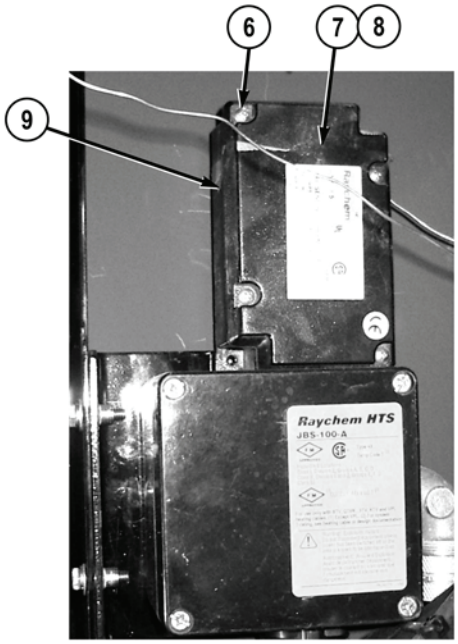
References
WP 0615, Fig. 181

Equipment Conditions
Pump house panel B removed (WP 0540)

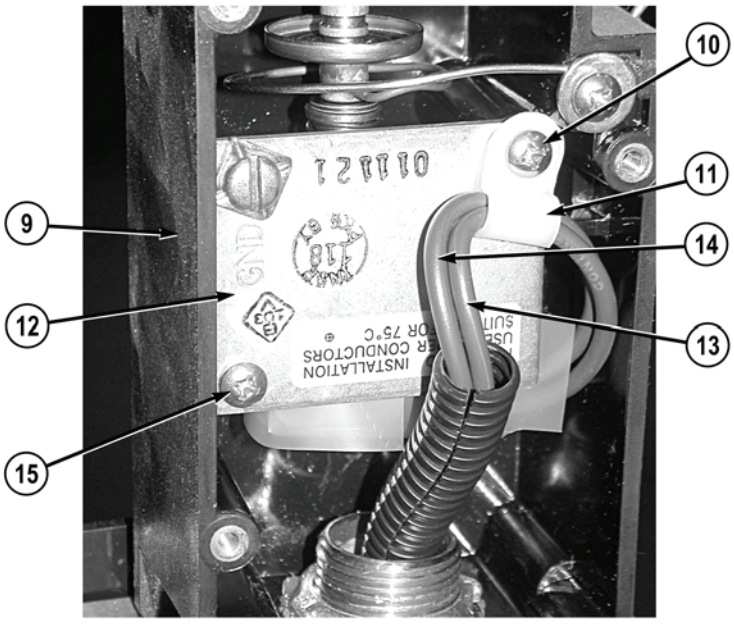
REMOVAL



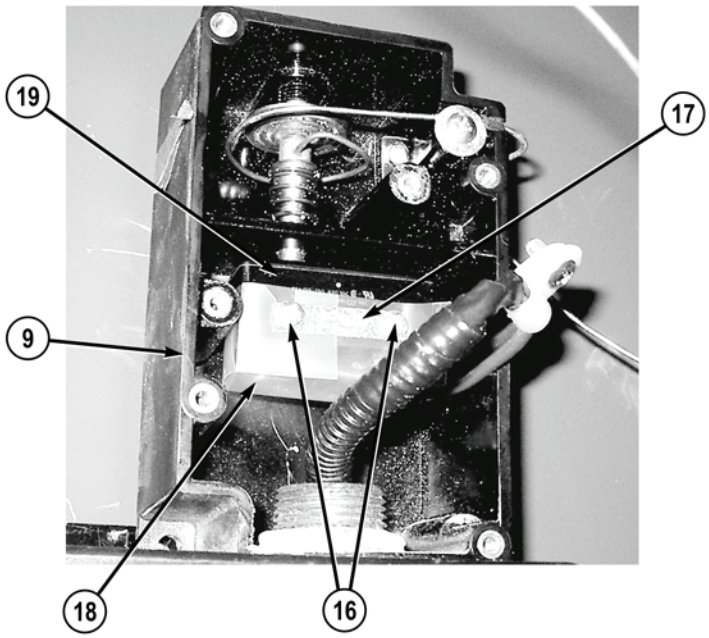
1. Remove screw (1), washer (2), lockwasher (3), clamp (4), and thermostat sensor bulb (5) from vehicle. Discard lockwasher.



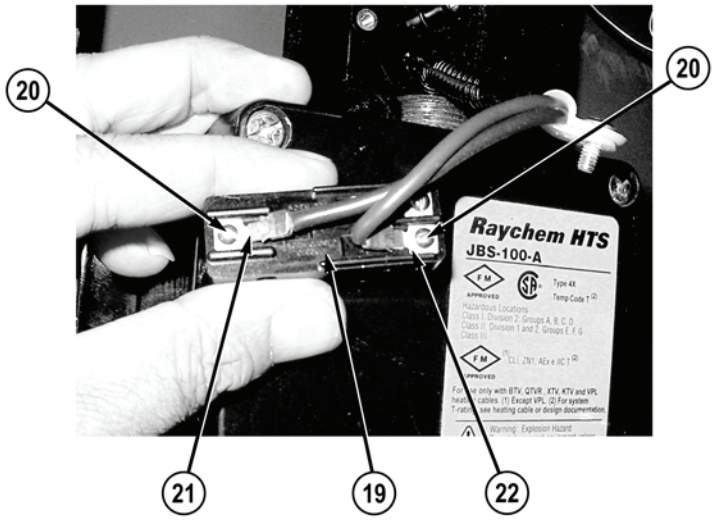
2. Remove four screws (6), cover (7), and seal (8) from thermostat housing (9).



3. Remove screw (10) and clamp (11) from plate (12).
4. Remove clamp (11) from two wires (13) and (14).
5. Remove screw (15) and plate (12) from thermostat housing (9).



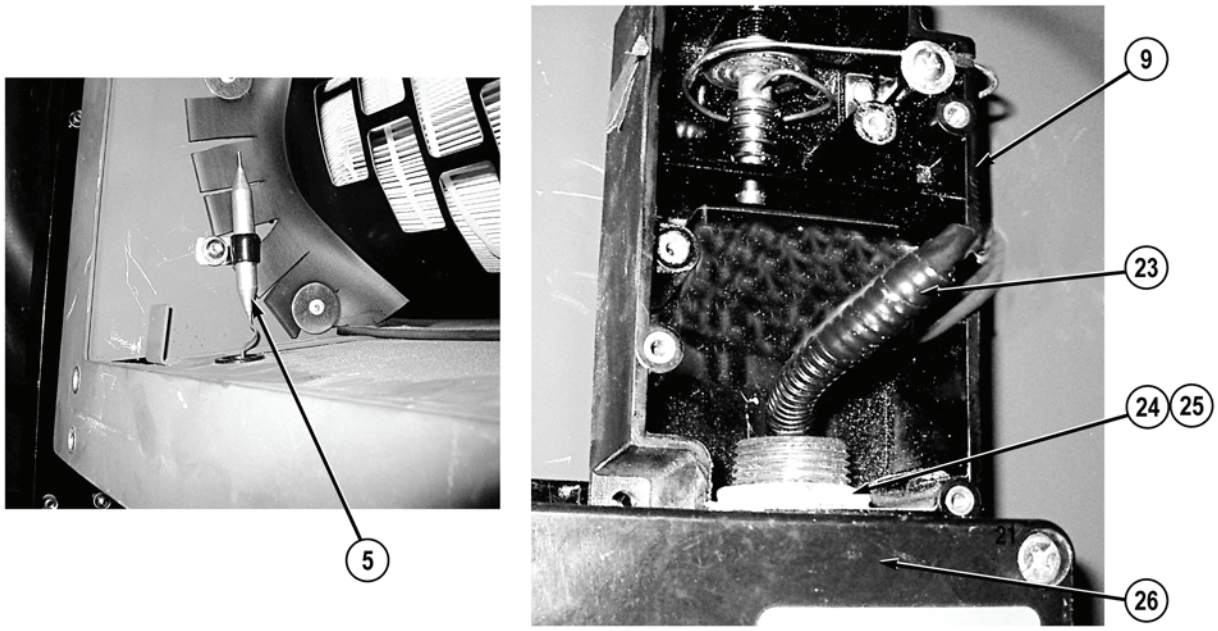
6. Remove two screws (16), metal strip (17), plastic wrap (18), and terminal block (19) from thermostat housing (9).
7. Remove plastic wrap (18) from terminal block (19).



NOTE

Tag and mark connectors prior to removal to ensure proper installation.

8. Remove two screws (20) and two connectors (21) and (22) from terminal block (19).



9. Remove wire harness (23) from thermostat housing (9).
10. Remove nut (24), washer (25), and thermostat housing (9) with thermostat bulb (5) from junction box (26).

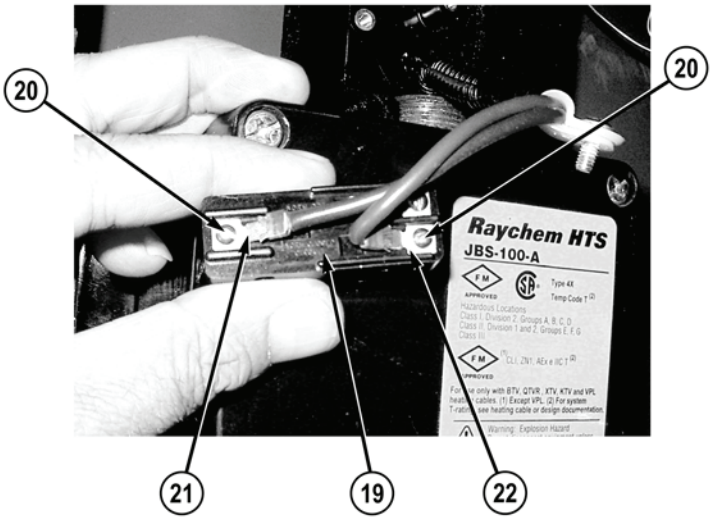
END OF TASK

INSTALLATION

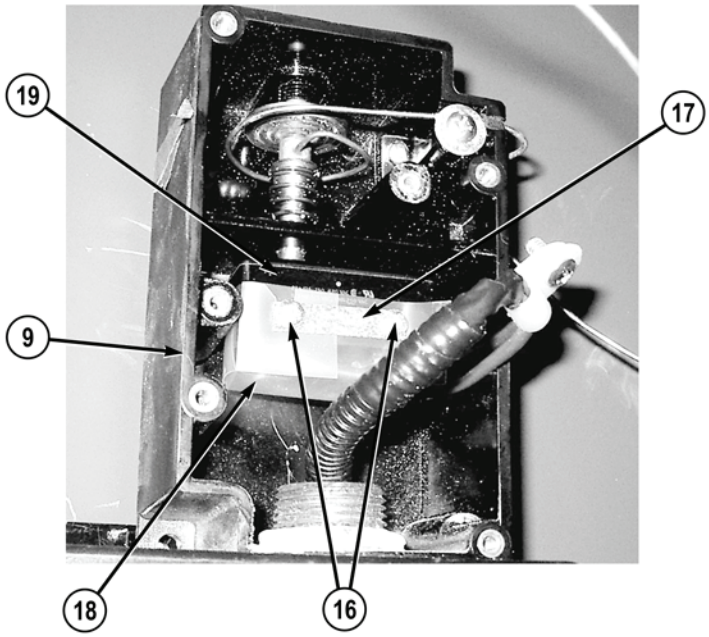
NOTE

Remove cover from thermostat housing before installing.

1. Install thermostat housing (9) with thermostat bulb (5) on junction box (26) with washer (25) and nut (24).
2. Install wire harness (23) in thermostat housing (9).

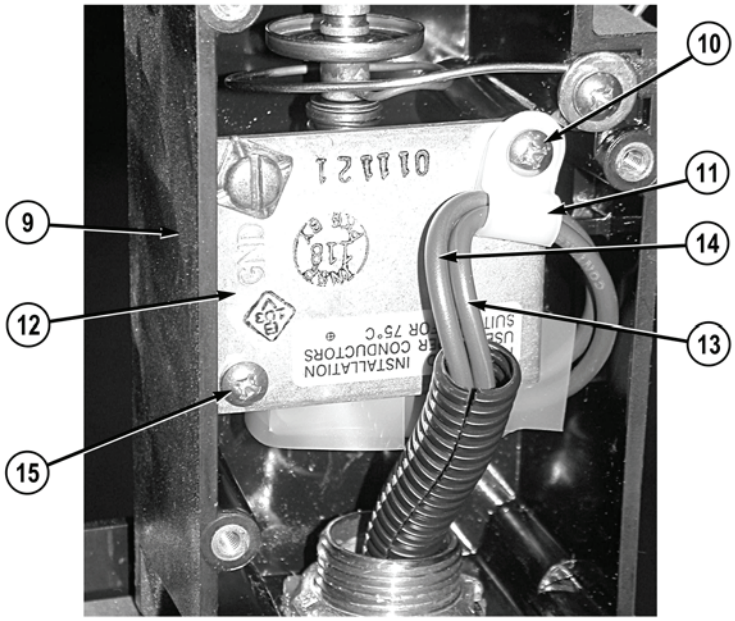


3. Install two connectors (22) and (21) on terminal block (19) with two screws (20).

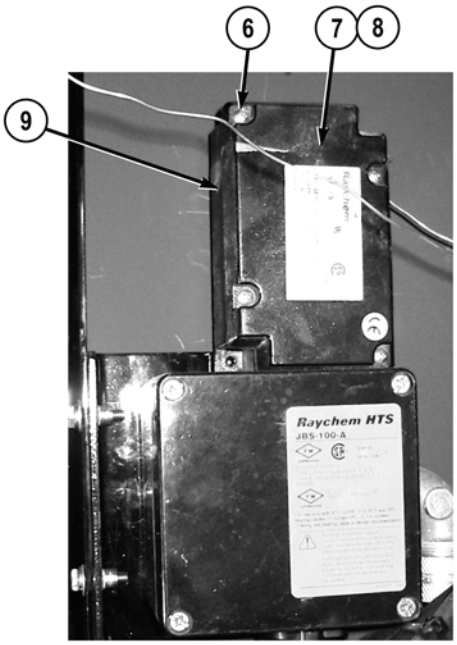


4. Install plastic wrap (18) on terminal block (19).

5. Install terminal block (19) with plastic wrap (18) in thermostat housing (9) with metal strip (17) and two screws (16).



6. Install plate (12) in thermostat housing (9) with screw (15).
7. Install two wires (14) and (13) in clamp (11).
8. Install clamp (11) on plate (12) with screw (10).



9. Install seal (8) and cover (7) on thermostat housing (9) with four screws (6).
10. Install thermostat sensor bulb (5) on vehicle with clamp (4), lockwasher (3), washer (2), and screw (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Install pump house panel B (WP 0540)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

PIPING HEAT TRACE REPLACEMENT

INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive (WP 0622, Item 27)

Materials/Parts
Heat Trace 120 V (WP 0625, Item 27)
Tags, Identification (WP 0625, Item 51)
Tape, Heat Trace, Aluminum (WP 0625, Item 54)
Tape, Heat Trace, Glass (WP 0625, Item 55)
Ties, Cable, Plastic (WP 0625, Item 58)
Lockwasher (3)

Reference
WP 0615, Fig. 181

Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (TM 9-2320-347-10)
Wheels chocked (TM 9-2320-347-10)

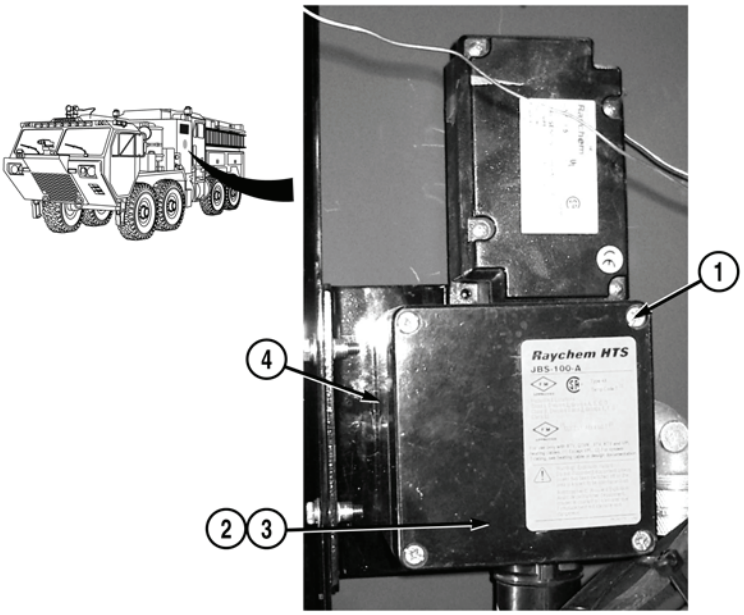
REMOVAL

⚠ CAUTION

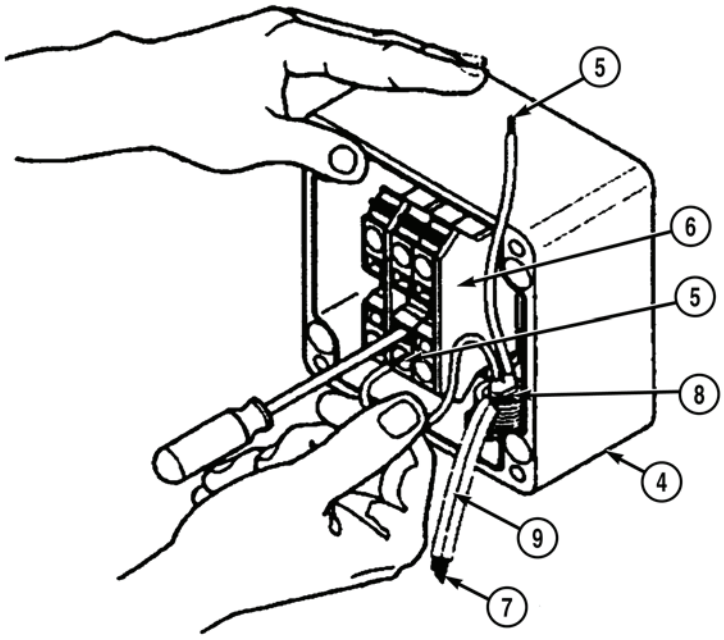
- **Do not cut heat trace cable when removing or installing. Damage to electrical wires in heat trace cable may occur.**
- **Do not bend heat trace cable to less than 1 in. (25.4 mm) radius. Damage to electrical wires in heat trace cable may occur.**

NOTE

- Access heat trace cable junction box in pump house.
- Pipe heat trace circuit starts at junction box and heat trace cable is taped to water pipes.
- Sections of heat trace cable can be replaced between splice connectors.
- Remove required panels to access heat trace cable to be replaced.
- Remove insulation from pipes to access heat trace cable.
- Remove cable ties as needed.
- Tag and mark wires prior to removal to ensure proper installation.
- Perform Steps (1) through (6) to remove heat trace cable from terminal in junction box.
- Use care when removing insulation. Do not cut heat trace cables.



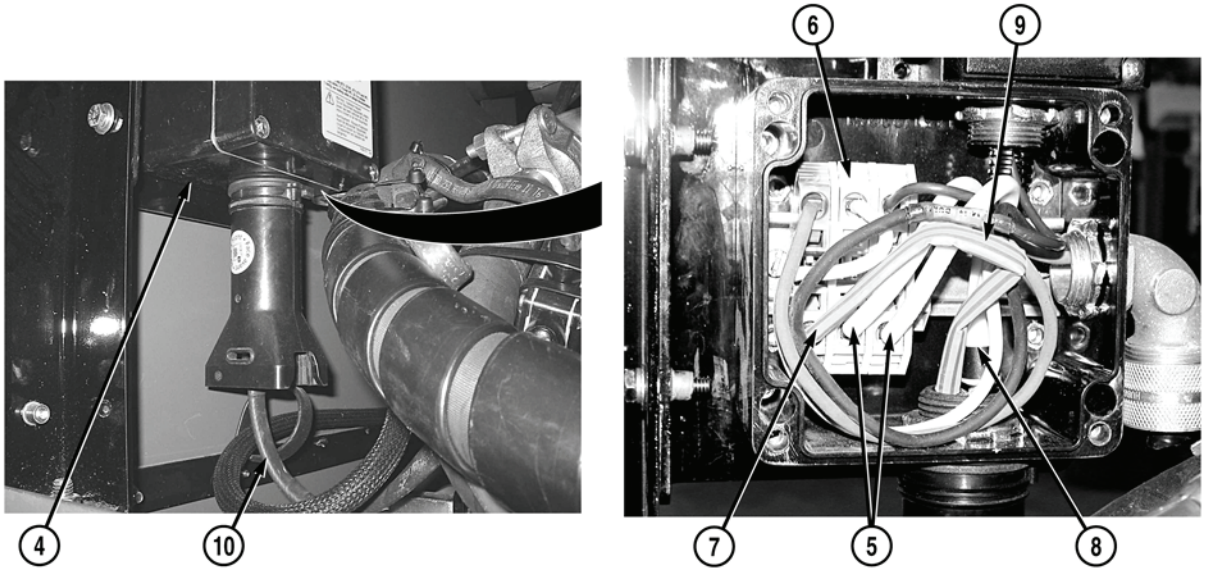
1. Remove four screws (1), cover (2), and rubber seal (3) from junction box (4).



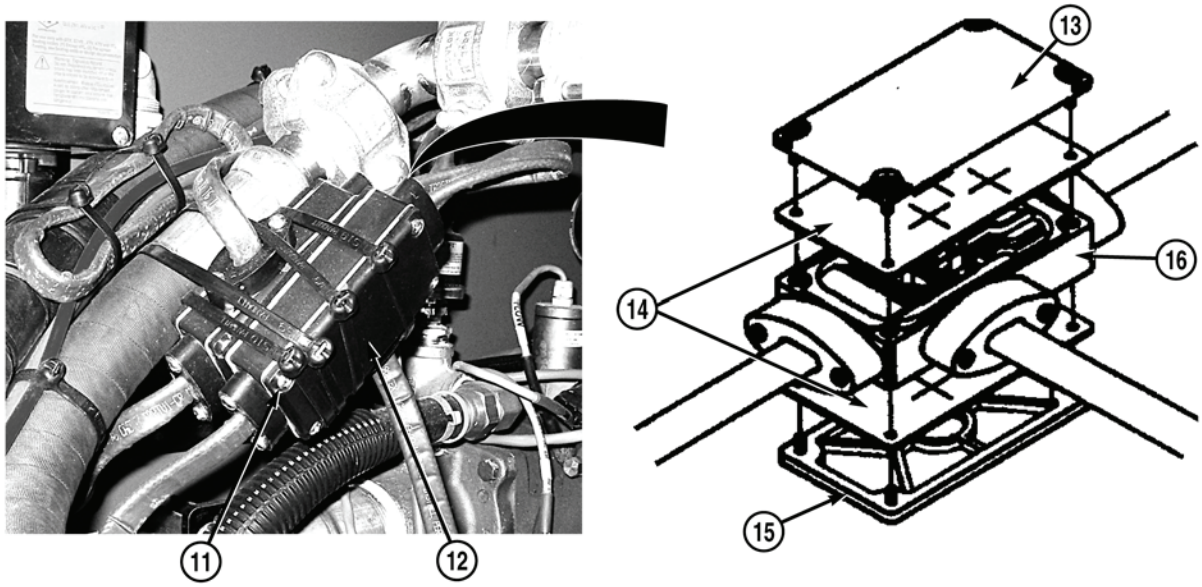
NOTE

- Tag and mark wires prior to removal to ensure proper installation.
- Firmly insert a flat blade screwdriver in square hole to open spring in terminal. When fully inserted, screwdriver will lock in place and wire can be removed from terminal.

2. Remove two heat trace cable bus wires (5) from terminal (6).
3. Remove heat trace braid (7) from terminal (6).
4. Remove core sealer (8) from two heat trace cable bus wires (5).
5. Remove tube (9) from heat trace braid (7).



6. Remove heat trace cable (10) from bottom of junction box (4).

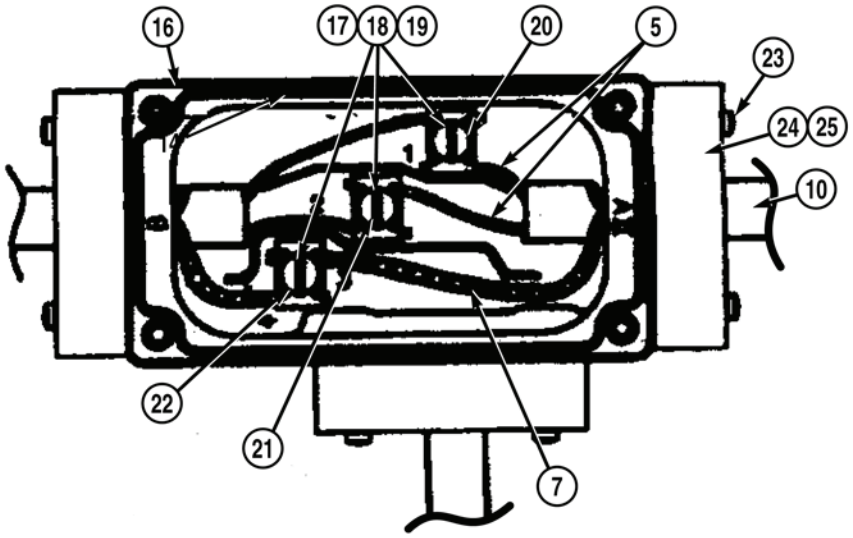


NOTE

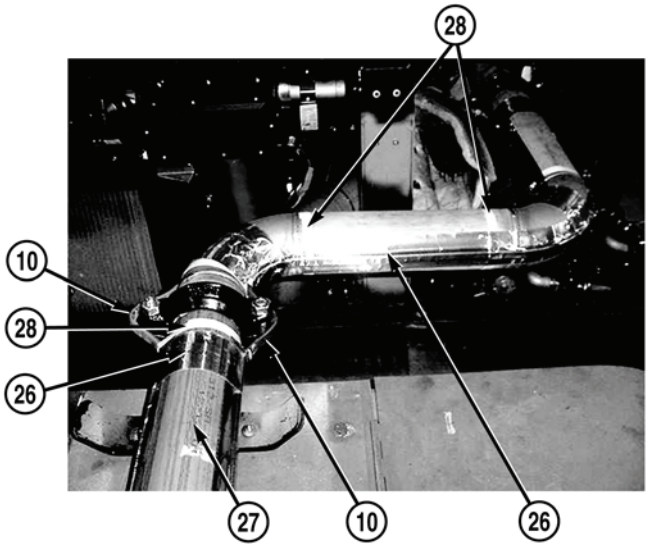
- Perform Steps (7) through (13) to remove other end of heat trace cable from splice connector.
- Remove required insulation to access heat trace cable to be replaced.

7. Remove four screws (11) from splice connector (12).

8. Remove top cover (13), two gaskets (14), and bottom cover (15) from splice connector body (16).



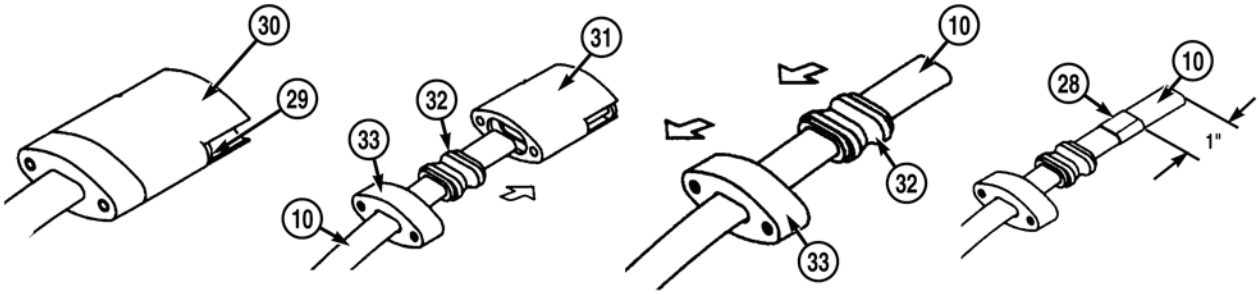
9. Remove three screws (17), lockwashers (18), and clamps (19) from three blocks (20), (21), and (22). Discard lockwashers.
10. Remove two heat trace cable bus wires (5) from two blocks (20) and (21).
11. Remove heat trace braid (7) from block (22).
12. Remove two screws (23), pressure plate (24), grommet (25), and heat trace cable (10) from splice connector body (16).
13. Remove grommet (25) and pressure plate (24) from heat trace cable (10).



NOTE

- Repeat Steps (7) through (13) to remove other sections of heat trace cable between splice connectors.
- Perform Steps (14) and (15) to remove heat trace cable from pipes.

14. Remove aluminum tape (26) from heat trace cable (10) on both sides of pipe (27).
15. Remove glass tape (28) and heat trace cable (10) from both sides of pipe (27).



NOTE

Perform Steps (16) and (17) to remove heat trace cable from end seal.

16. Remove two screws (29) from end seal (30).
17. Remove end seal body (31), grommet (32), and pressure plate (33) from heat trace cable (10).

END OF TASK

INSTALLATION

WARNING

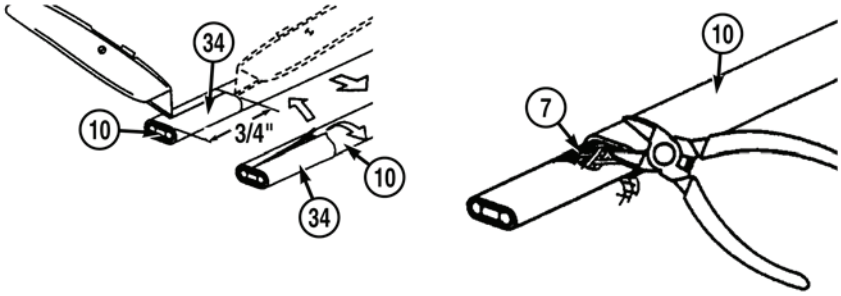


Fire and shock hazard. This heat-tracing system must be installed correctly to ensure proper operation and to prevent shock and fire.

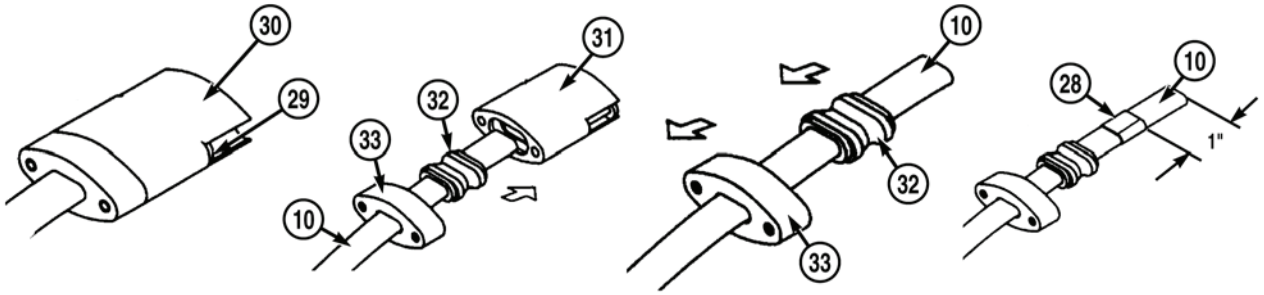
NOTE

- Install cable ties as needed.
- Perform Steps (1) through (7) to install heat trace cable in end seal.

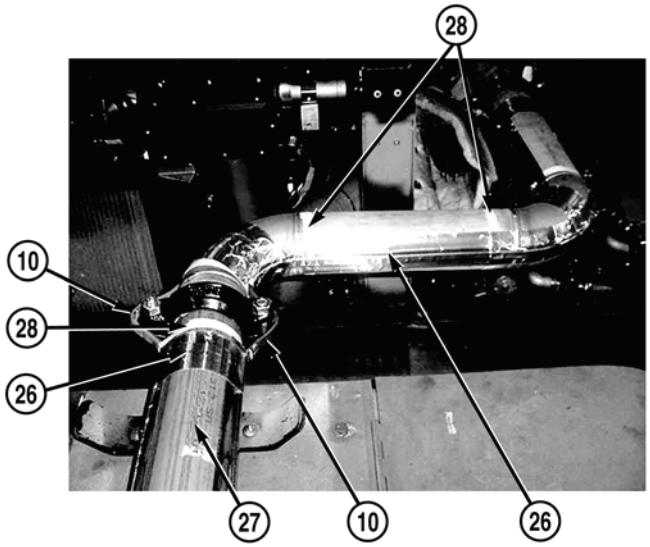
1. Slide pressure plate (33) and grommet (32) on heat trace cable (10).
2. Apply three wraps of glass tape (28) 1 in. (25.4 mm) from end of heat trace cable (10).



3. Lightly score outer jacket (34) with utility knife 0.75 in. (19 mm) from end of heat trace cable (10).
4. Bend heat trace cable (10) to break outer jacket (34) at score.
5. Remove exposed heat trace braid (7) from heat trace cable (10).



6. Push heat trace cable (10) completely in end seal body (31).
7. Seat grommet (32) and tighten two screws (29) to tighten pressure plate (33).

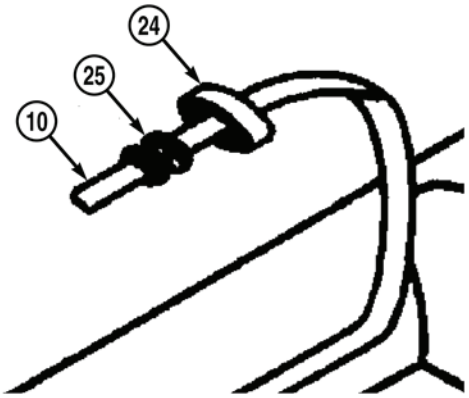


NOTE

Perform Steps (8) and (9) to install heat trace cable on pipe. Allow extra heat trace cable for connecting to splice connectors.

8. Install heat trace cable (10) on both sides of pipe (27) with glass tape (28).

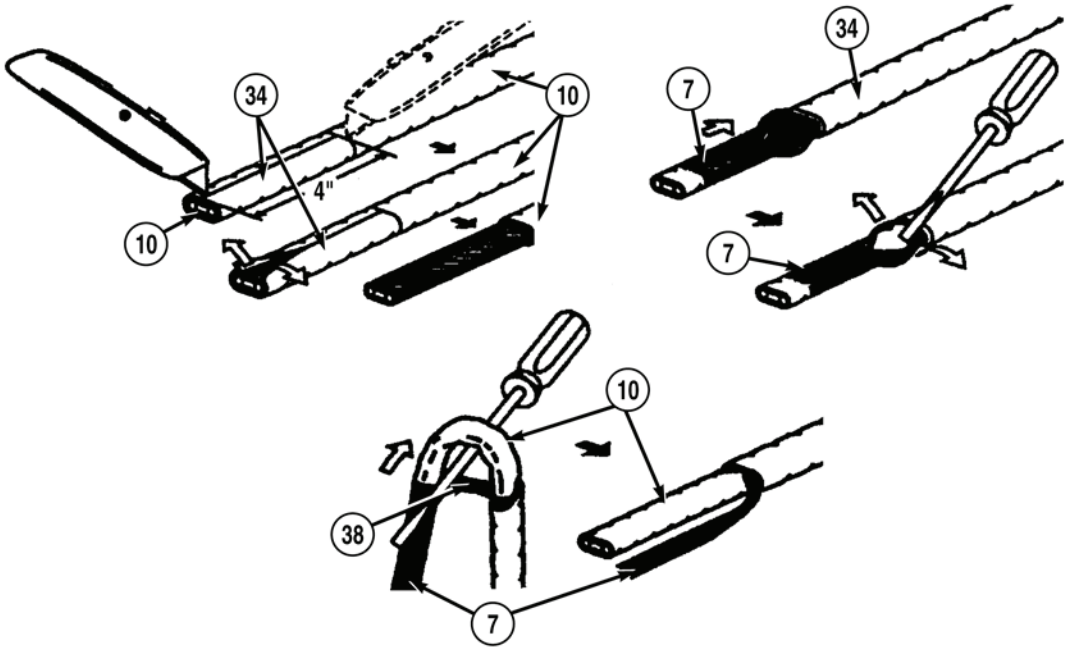
9. Install aluminum tape (26) over heat trace cable (10) and pipe (27).



NOTE

Perform Steps (10) through (30) to install heat trace cable to splice connectors.

10. Slide pressure plate (24) and grommet (25) on heat trace cable (10).



CAUTION

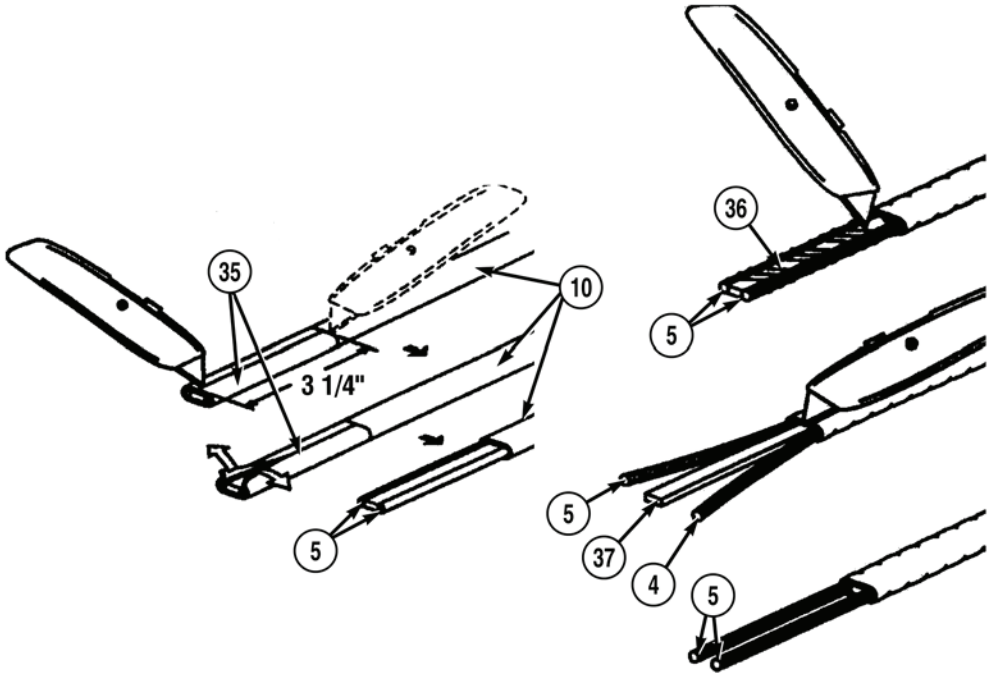
Do not cut braid when scoring outer jacket. Damage to heat trace cable may occur if braid is cut.

11. Lightly score outer jacket (34) with utility knife 4 in. (101.6 mm) from end of heat trace cable (10).
12. Bend heat trace cable (10) to break outer jacket (34) at score.
13. Push heat trace braid (7) back toward outer jacket (34) to create a pucker.
14. Open heat trace braid (7) at pucker using screwdriver.
15. Bend heat trace cable (10) and work it through opening in heat trace braid (7).

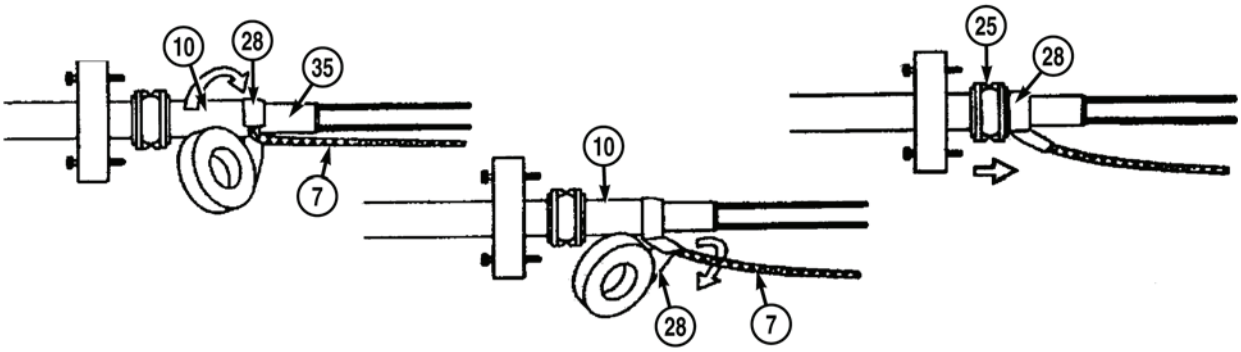
CAUTION

Do not cut wires. Damage to heat trace cable may occur.

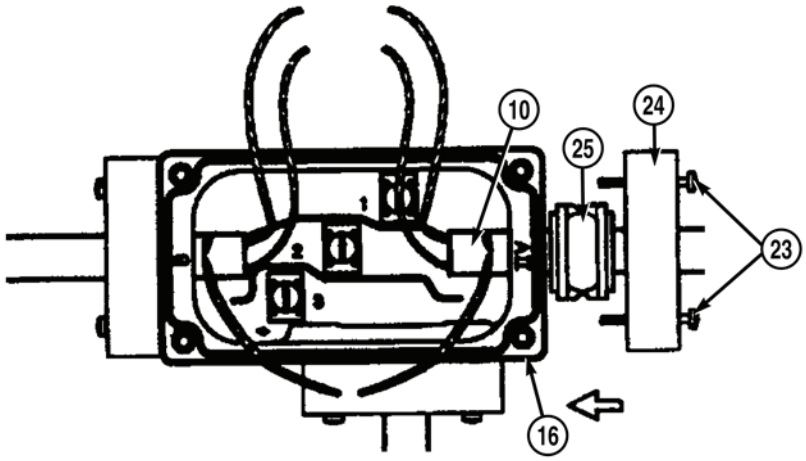
16. Pull heat trace braid (7) tight to make a pigtail.



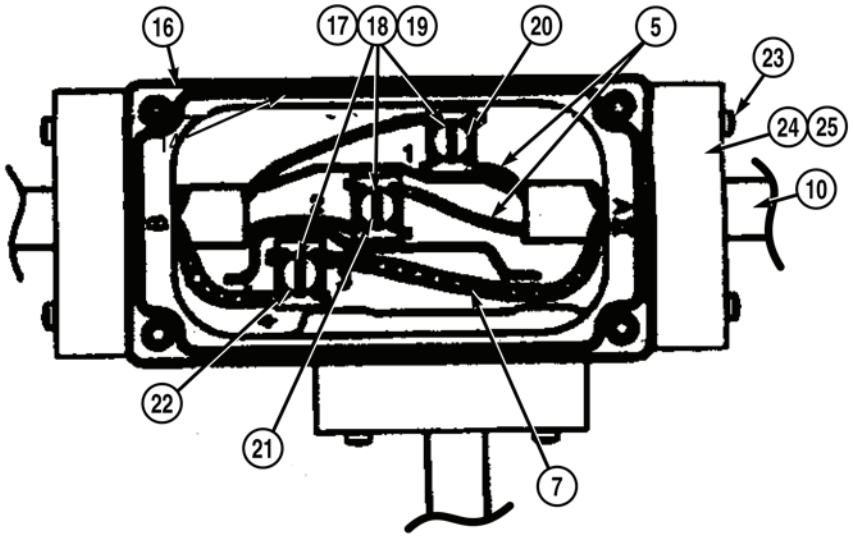
17. Lightly score inner jacket (35) 3.25 in. (82.5 mm) back from end of heat trace cable (10).
18. Peel off inner jacket (35) from two heat trace cable bus wires (5).
19. Cut and remove all fiber strands (36) from two heat trace cable bus wires (5).
20. Score center spacer (37) with utility knife and remove.
21. Clean heat trace cable bus wires (5).



22. Hold heat trace braid (7) pigtail against inner jacket (35), and wrap glass tape (28) three times around heat trace cable (10) and heat trace braid (7).
23. Separate heat trace braid (7) from heat trace cable (10), and wrap glass tape (28) two times around heat trace braid (7).
24. Slide grommet (25) to edge of glass tape (28).



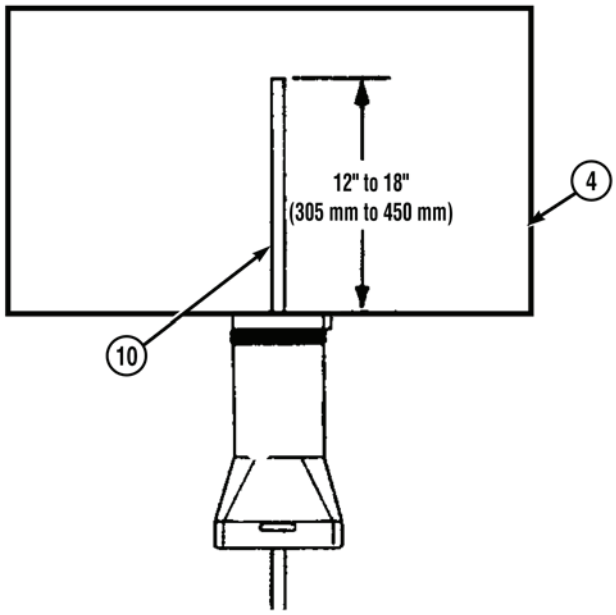
25. Install heat trace cable (10) and grommet (25) in splice connector body (16).
26. Seat grommet (25) in splice connector body (16).
27. Install pressure plate (24) on splice connector body (16) with two screws (23).



NOTE

Trim all extra lengths of wire and any loose braid after installing wires in splice connector body.

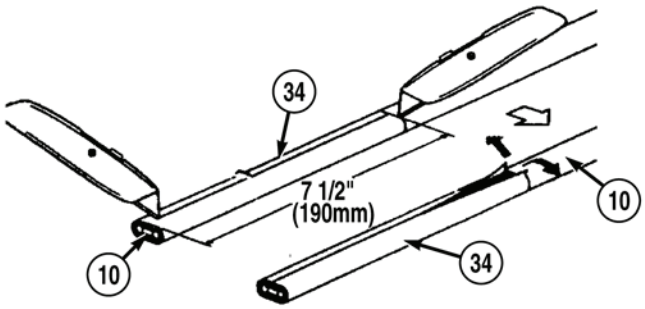
28. Install one heat trace cable bus wire (5) on block (20) with clamp (19), lockwasher (18), and screw (17).
29. Install one heat trace cable bus wire (5) on block (21) with clamp (19), lockwasher (18), and screw (17).
30. Install heat trace braid (7) on block (22) with clamp (19), lockwasher (18), and screw (17).
31. Install bottom cover (15), two gaskets (14), and top cover (13) on splice connector body (16) with four screws (11).

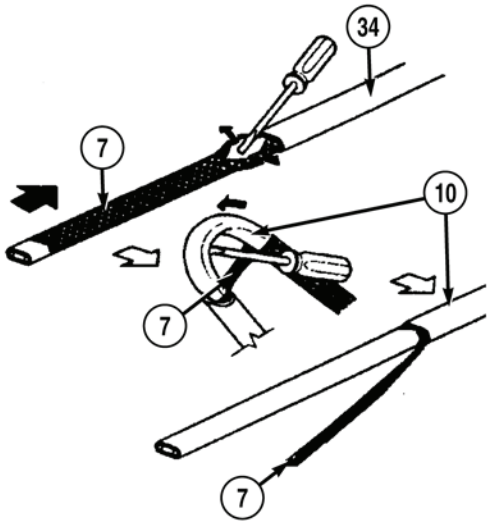


NOTE

Perform Steps (31) through (54) to install heat trace cable to terminal in junction box. Allow approximately 24 in. (610 mm) of heat trace cable for installation in junction box.

32. Cut off end of heat trace cable (10) at 45 degrees.
33. Push 12 to 18 in. (30 to 457 mm) of heat trace cable (10) through bottom of junction box (4).
34. Cut off end of heat trace cable (10) at 90 degrees to square off cable.

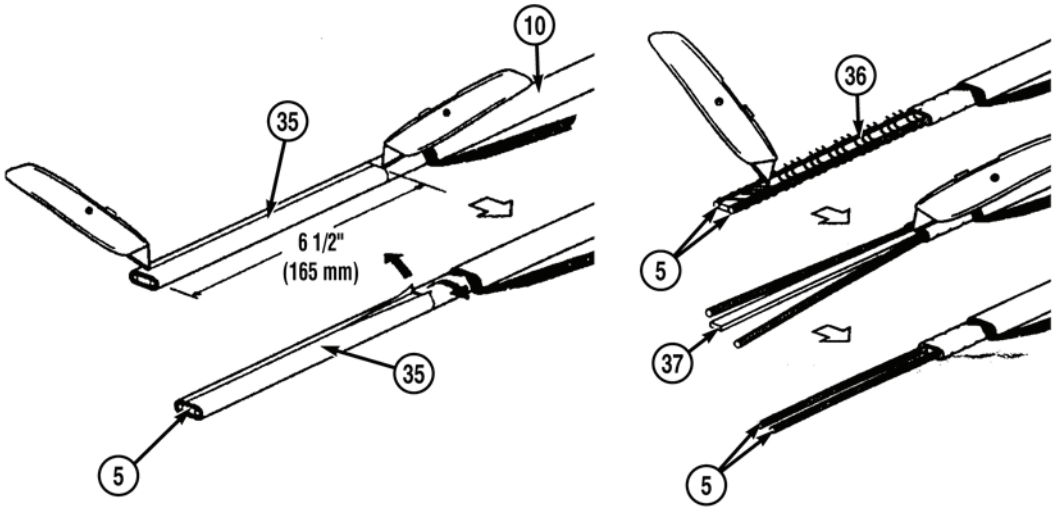




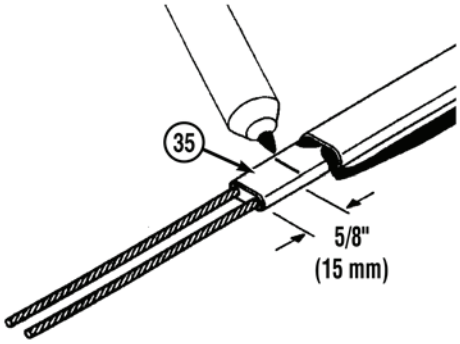
⚠ CAUTION

Do not cut braid when scoring outer jacket. Damage to heat trace cable may occur if braid is cut.

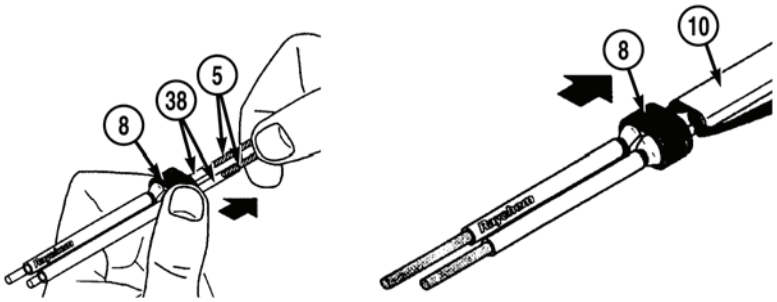
35. Lightly score outer jacket (34) with utility knife 7.5 in. (190 mm) from end of heat trace cable (10).
36. Bend heat trace cable (10) to break outer jacket (34) at score.
37. Push heat trace braid (7) back toward outer jacket (34) to create a pucker.
38. Open heat trace braid (7) at pucker with screwdriver.
39. Bend heat trace cable (10) and work heat trace cable (10) through opening in heat trace braid (7).
40. Pull heat trace braid (7) straight to make pigtail.



41. Lightly score inner jacket (35) 6.5 in. (165 mm) back from end of heat trace cable (10).
42. Peel off inner jacket (35) from heat trace cable bus wires (5).
43. Cut and remove all fiber strands (36) from two heat trace cable bus wires (5).
44. Score center spacer (37) with utility knife and remove.
45. Clean heat trace cable bus wires (5).



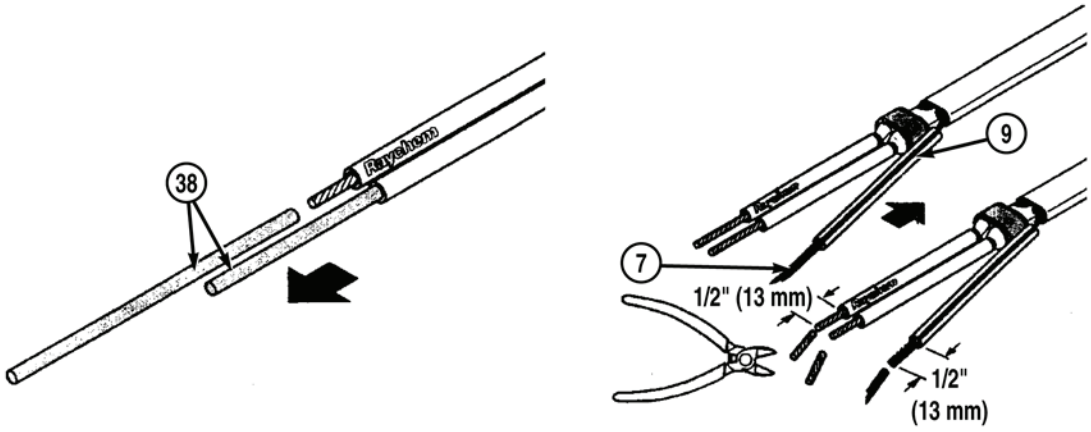
46. Mark inner jacket (35) 5/8 in. (15 mm) back from end of inner jacket (35).



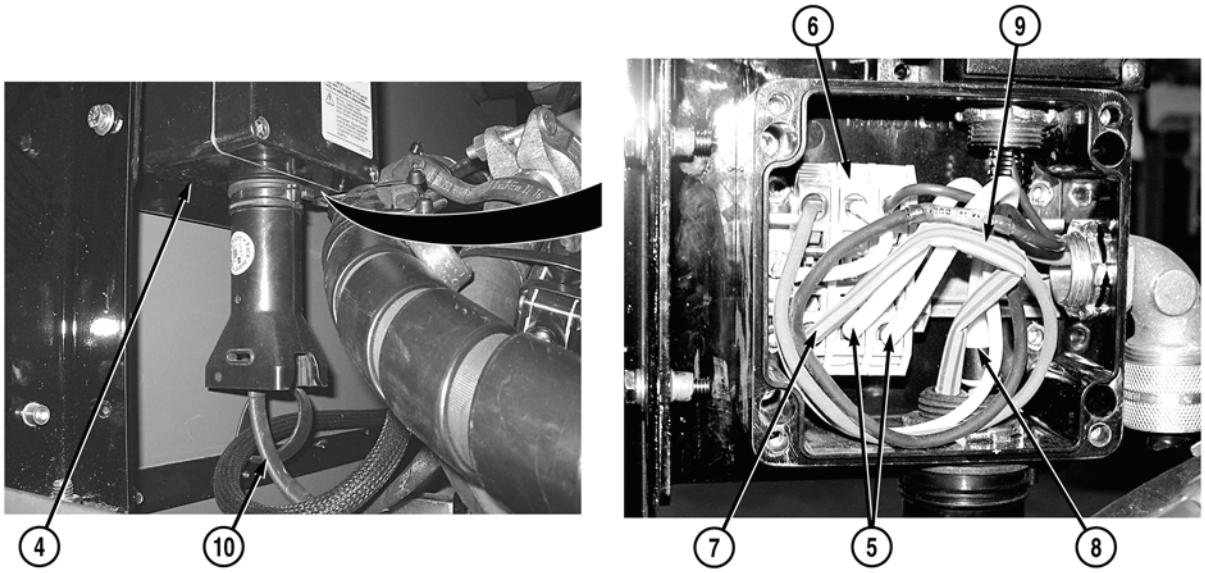
NOTE

It may be necessary to re-twist and straighten bus wires.

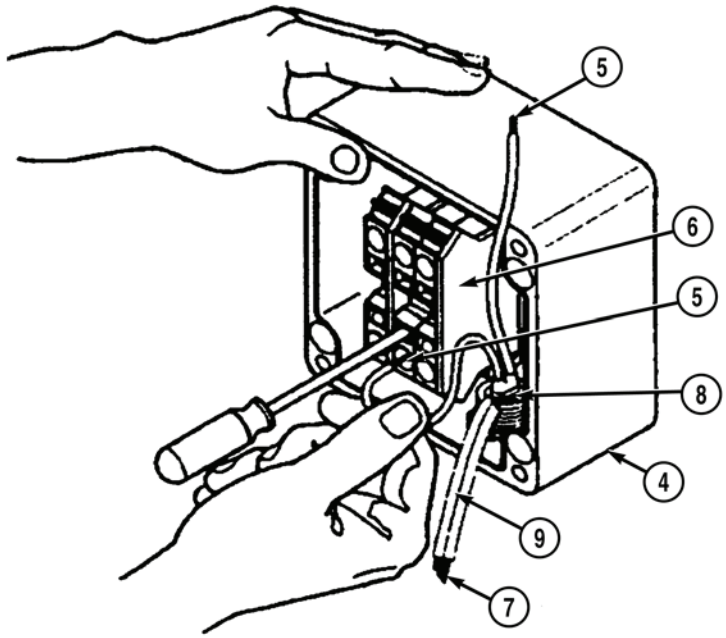
47. Insert heat trace cable bus wires (5) in guide tubes (38).
48. Push core sealer (8) on heat trace cable (10) to mark made in Step (46).



49. Remove guide tubes (38) and discard.
50. Slip tube (9) on heat trace braid (7). Heat shrinking is not required.
51. Trim heat trace cable bus wires (5) and braid (7) so there is 0.5 in. (13 mm) of exposed wire and heat trace braid.



52. Pull heat trace cable (10) back so core sealer (8) is seated in bottom of junction box (4).



NOTE

Firmly insert a flat blade screwdriver in square hole to open spring in terminal. When fully inserted, screwdriver will lock in place and wire can be removed from terminal.

53. Install heat trace braid (7) to terminal (6) in location noted.
54. Install heat trace cable bus wires (5) to terminal (6) in location noted.
55. Install rubber seal (3) and cover (2) on junction box (4) with four screws (1).

END OF TASK

FOLLOW-ON MAINTENANCE

Remove wheel chocks (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

PLUMBING INSULATION REPLACEMENT

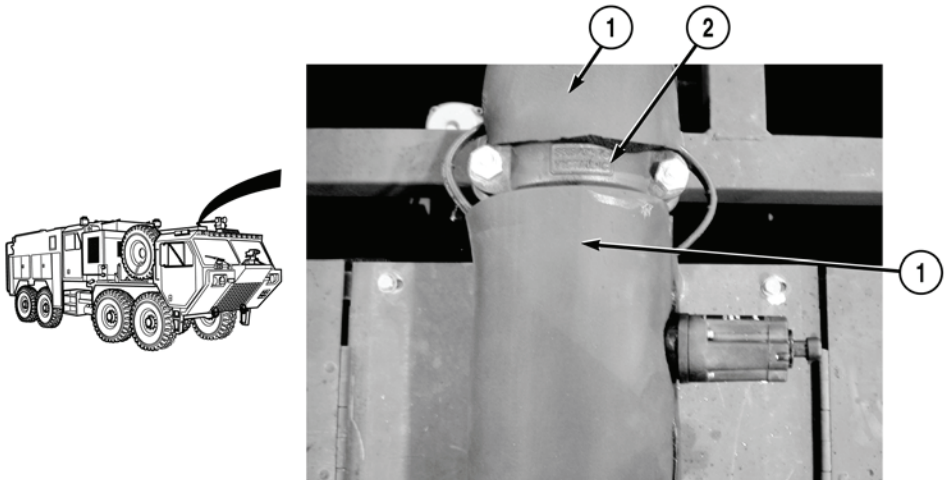
INITIAL SETUP:

Tools and Special Tools
Tool Kit, General Mechanic's: Automotive
(WP 0622, Item 27)

Materials/Parts
Adhesive, Armacell 520 (WP 0625, Item 1)
Insulation, Armacell, Armaflex
(WP 0625, Item 29)

Equipment Conditions
Water pump engine OFF (WP 0022)
Engine OFF (TM 9-2320-347-10)
Wheels chocked (TM 9-2320-347-10)

REMOVAL



⚠ CAUTION

Do not cut heat tape when removing insulation from plumbing. Damage to electrical wires in heat tape may occur.

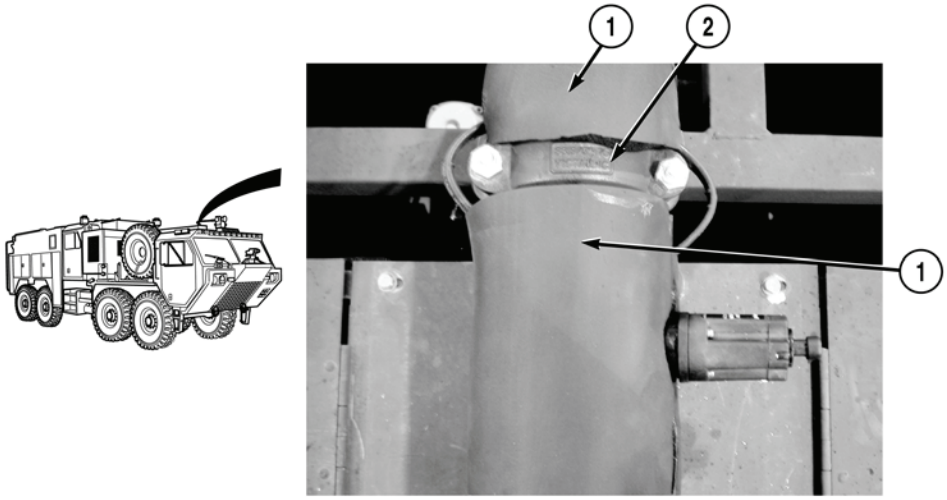
NOTE

- If reusing original insulation, do not cut along glued seam when cutting insulation off of plumbing.
- Use a very sharp long blade knife to cut insulation.
- Make long strokes with knife for best results.
- The cut must be clean and not ragged for best results when gluing back together.

1. Cut insulation (1) with knife.
2. Remove insulation (1) from plumbing (2).

END OF TASK

INSTALLATION



1. Install insulation (1) around plumbing (2).
2. Apply adhesive to both surfaces of insulation (1). Allow no more than ten minutes for adhesive to get tacky.
3. Connect glued edges of insulation (1) together and hold for three to five minutes.

END OF TASK

FOLLOW-ON MAINTENANCE

Remove wheel chocks (TM 9-2320-347-10)

END OF TASK

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

ILLUSTRATED LIST OF MANUFACTURED ITEMS

SCOPE

This work package includes complete instructions for making items authorized to be manufactured or fabricated at the field level.

HOW TO USE THE INDEX OF MANUFACTURED ITEMS

A part number index in alphanumeric order is provided for cross referencing the part number of the item to be manufactured to the page which covers fabrication criteria.

EXPLANATION OF THE ILLUSTRATIONS OF MANUFACTURED ITEMS

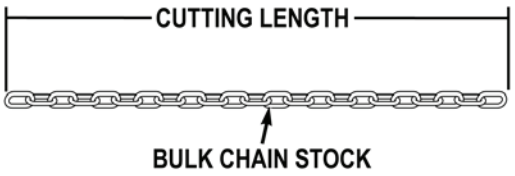
All instructions needed by maintenance personnel to manufacture the item are included on the illustrations. All bulk materials needed for manufacture of an item are listed by part number or specification number in a tabular list of the illustration.

MANUFACTURED ITEMS PART NUBER INDEX

ITEM	PART NUMBER	DESCRIPTION
a.	1394510-26	Chain
b.		Water Pump Guide Pin

ILLUSTRATED LIST OF MANUFACTURED ITEMS

a. Chains.



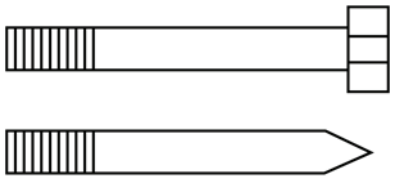
(1) Fabricate from bulk chain stock listed in the table below.

(2) Using hacksaw or suitable cutting device, cut chain to length required listed in the table below.

Table 1. Chain.

Chain/Assembly Part Number	Bulk Chain Part Number	Cutoff Length Inches (mm)
1394510-26	031-0424	26 in. (660.4 mm)

b. Water Pump Guide Pin.



(1) Fabricate from 3 in. M10 x 1.50 x 90 mm screws.

(2) Cut off head of three screws.

(3) Grind 30 degree chamfer on end of shank.

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

TORQUE LIMITS

SCOPE

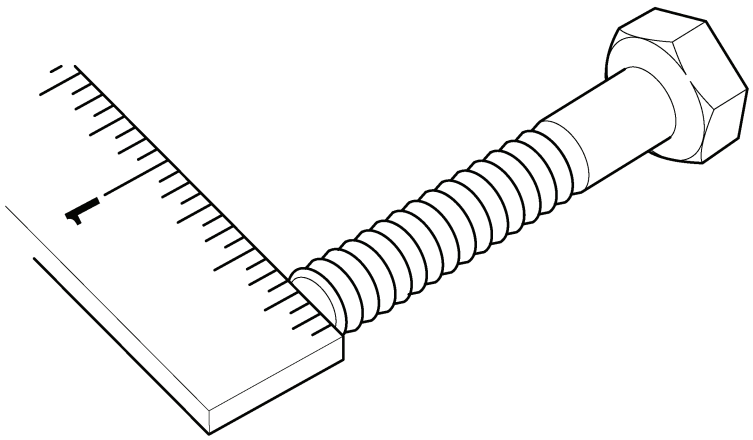
This section provides general torque limits for the screws, hoses, and fittings used on the vehicle. Special torque limits are listed in the maintenance procedures for applicable components. The general torque limits given in this work package shall be used when specific torque limits are not indicated in the maintenance procedure. These general torque limits cannot be applied to screws that retain rubber components. The rubber components will be damaged before the torque limit is reached. If a special torque limit is not given in the maintenance instructions, tighten the screw or nut until it touches the metal bracket then tighten it one more turn.

TORQUE LIMITS

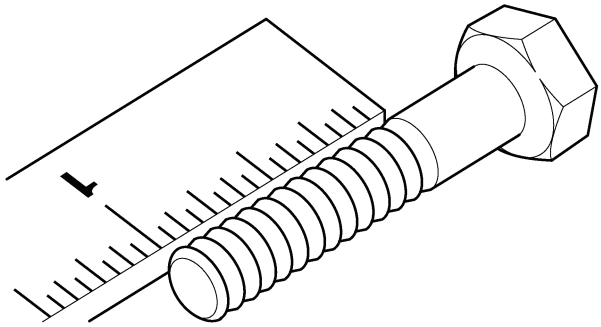
Table 1 lists the torque limits for wet flange nuts. Table 2 lists the torque limits for wet socket head capscrews. Table 3 lists torque limits for dry fasteners. Dry torque limits are used on screws that do not have high pressure lubricants applied to the threads. Table 4 lists torque limits for wet fasteners. Wet torque limits are used on screws that have high pressure lubricants applied to the threads. Table 5 lists the torque limits for SAE 37-degree flare hose connections. Table 6 lists the torque limits for SAE 45-degree flare hose connections. Table 7 lists the torque limits for ORS preformed packing face seal hose connections. Table 8 lists the torque limits for NPSM swivel connections.

HOW TO USE TORQUE TABLES

a. Screws and Nuts.

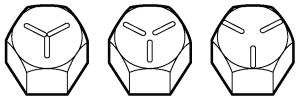


1. Measure the diameter of the screw you are installing with a ruler.



2. Measure out one inch with a ruler and count the number of threads per inch.
3. Under the heading SIZE, look down the left-hand column until you find the diameter of the screw you are installing (there will usually be two lines beginning with the same size).
4. In the second column under SIZE, find the number of threads per inch that matches the number of threads per inch you counted in Step (2). (Not required for metric screws).

CAPSCREW HEAD MARKINGS

Manufacturer's marks may vary. These are all SAE Grade 5 (3-line).	Metric screws are of three grades: 8.8, 10.9, & 12.9. Manufacturer's marks & Grades appear on the screw head.
	
STANDARD	**METRIC**

5. To find the grade screw you are installing, match the markings on the head with the correct picture of CAPSCREW HEAD MARKINGS on the torque table.
6. Look down the column under the picture you found in Step (5) until you find the torque limit (lb-ft or N•m) for the diameter and threads per inch of the screw you are installing.
7. Use wet torque values.

Table 1. Torque Limits for Wet Flange Nuts.

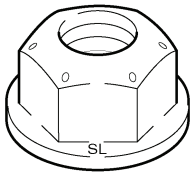
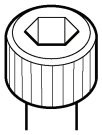
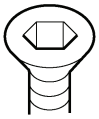
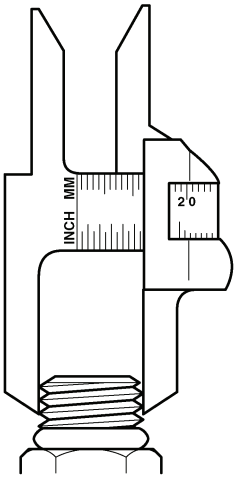
SPIRALOCK FLANGE NUT MARKINGS GRADE 8	DIAMETER		THREADS PER INCH	TORQUE	
	in.	mm		lb-ft	N•m
	1/4	6.35	20	15	20
	5/16	7.94	18	25	34
	3/8	9.53	16	45	61
	1/2	12.70	13	110	149
	5/8	15.87	11	210	285
	3/4	19.05	10	375	508

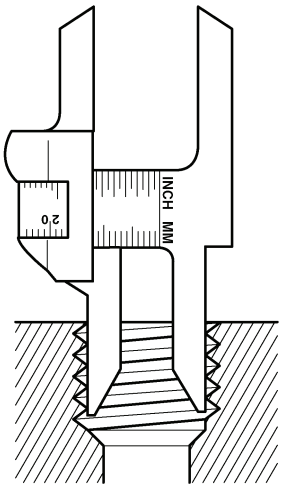
Table 2. Torque Limits for Wet Socket Head Capscrews.

	TORQUE IN LB-FT (CAPSCREWS) LUBED		
	SIZE	SOC HD OR 12 PT	SOC FLAT HD
SOC HEAD/12 PT. 	.10-24	55	2.5
	.25-20	12	6
	.31-18	25	12
	.38-16	44	22
	.50-13	70	36
SOC FLAT HEAD 	.56-12	106	53
	.62-11	212	106
	.75-10	375	187
	1.00-8	781	

b. Hoses and Fittings.



O.D.
(MALE THREADS)

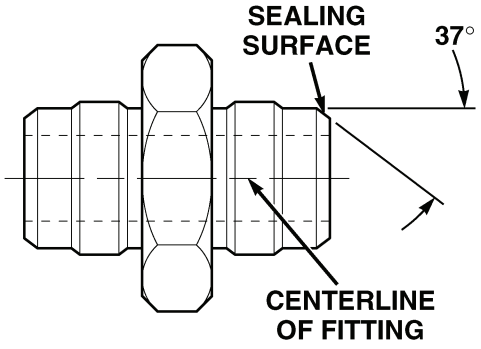


I.D.
(FEMALE THREADS)

NOTE

Most fluid piping system sizes are measured by dash numbers. These are universally used abbreviations for the size of the component expressed as the numerator of the fraction with the denominator always being 16. For example, a -04 port is 4/16 or 1/4-inch. Dash numbers are usually nominal (in name only) and are abbreviations that make ordering of components easier.

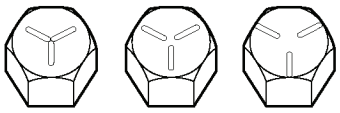
1. Measure the I.D./O.D. diameter with a caliper as shown.
2. Under the heading MALE THREAD O.D. and FEMALE THREAD I.D., match the measurements with the row in table to determine proper torque.



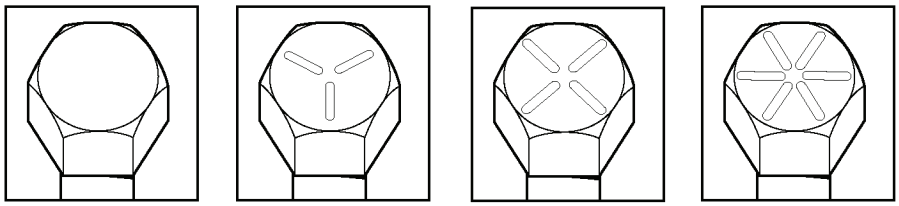
3. To find the sealing surface angle, use a protractor and measure the sealing surface parallel to the centerline of the fitting.

Table 3. Torque Limits for Dry Fasteners.

CAPSCREW HEAD MARKINGS



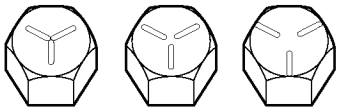
Manufacturer's marks may vary.
These are all SAE Grade 5 (3-line).



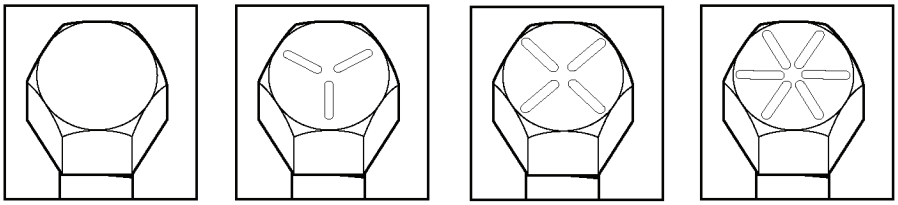
SIZE			TORQUE							
			SAE GRADE NO. 2		SAE GRADE NO. 5		SAE GRADE NO. 6 or 7		SAE GRADE NO. 8	
DIA. INCHES	THREADS PER INCH	MILLI-METERS	POUNDS FEET	NEWTON METERS	POUNDS FEET	NEWTON METERS	POUNDS FEET	NEWTON METERS	POUNDS FEET	NEWTON METERS
1/4	20	6.35	5	7	8	11	12	14	12	16
1/4	28	6.35	6	9	10	14	12	16	14	19
5/16	18	7.94	11	15	17	23	21	28	25	34
5/16	24	7.94	12	16	19	26	24	33	25	34
3/8	16	9.53	20	27	30	41	40	54	45	61
3/8	24	9.53	23	31	35	47	45	61	50	68
7/16	14	11.11	30	41	50	68	60	81	70	95
7/16	20		35	47	55	75	70	95	80	108
1/2	13	12.70	50	68	75	102	95	129	110	149
1/2	20		55	75	90	122	100	136	120	163
9/16	12	14.29	65	88	110	149	135	183	150	203
9/16	12		75	102	120	163	150	203	170	231
5/8	11	15.88	90	122	150	203	190	258	220	298
5/8	18		100	136	180	244	210	285	240	325
3/4	10	19.05	160	217	260	353	320	434	380	515
3/4	16		180	244	300	407	360	488	420	570
7/8	9	22.23	140	190	400	542	520	705	600	814
7/8	14		155	210	440	597	580	786	660	895
1	8	25.40	220	298	580	786	800	1085	900	1220
1	12		240	325	640	868	860	1166	1000	1356
1-1/8	7	25.58	300	407	800	1085	1120	1519	1280	1736
1-1/8	12		340	461	880	1193	1260	1709	1440	1953
1-1/4	7	31.75	420	570	1120	1519	1580	2142	1820	2468
1-1/4	12		460	624	1240	1681	1760	2387	2000	2712
1-3/8	6	34.93	560	759	1460	1980	2080	2820	2380	3227
1-3/8	12		640	868	1680	2278	2380	3227	2720	3688
1-1/2	6	38.10	740	1003	1940	2631	2780	3770	3160	4285
1-1/2	12		840	1139	2200	2983	3100	4204	3560	4827

Table 4. Torque Limits for Wet Fasteners.

CAPSCREW HEAD MARKINGS

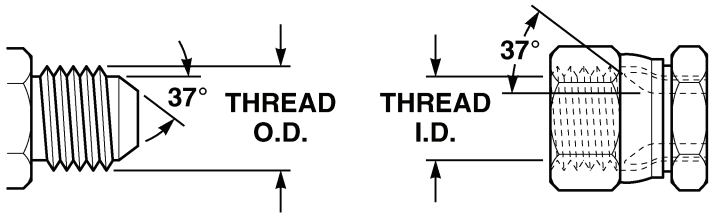


Manufacturer's marks may vary.
These are all SAE Grade 5 (3-line).



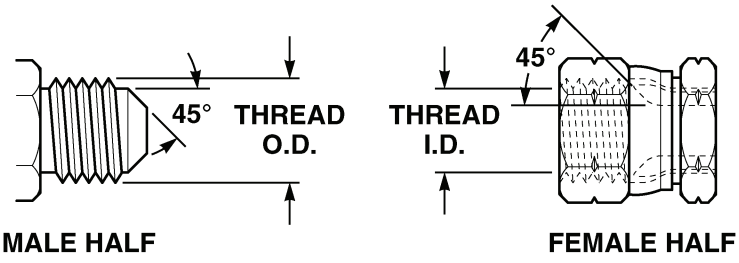
SIZE			TORQUE							
			SAE GRADE NO. 2		SAE GRADE NO. 5		SAE GRADE NO. 6 or 7		SAE GRADE NO. 8	
DIA. INCHES	THREADS PER INCH	MILLI-METERS	POUNDS FEET	NEWTON METERS	POUNDS FEET	NEWTON METERS	POUNDS FEET	NEWTON METERS	POUNDS FEET	NEWTON METERS
1/4	20	6.35	4	6	6	8	8	11	9	12
1/4	28	6.35	5	7	7	9	9	12	10	14
5/16	18	7.94	8	11	13	18	16	22	18	24
5/16	24	7.94	9	12	14	19	18	24	20	27
3/8	16	9.53	15	20	23	31	30	41	35	47
3/8	24	9.53	17	23	25	34	30	41	35	47
7/16	14	11.11	24	33	35	47	45	61	55	75
7/16	20		25	34	40	54	50	68	60	81
1/2	13	12.70	35	47	55	75	70	95	80	108
1/2	20		40	54	65	88	80	108	90	122
9/16	12	14.29	50	68	80	108	100	136	110	149
9/16	12		55	75	90	122	110	149	130	176
5/8	11	15.88	70	95	110	149	140	190	170	231
5/8	18		80	108	130	176	160	218	180	244
3/4	10	19.05	120	163	200	271	240	325	280	380
3/4	16		140	190	220	298	280	380	320	434
7/8	9	22.23	110	149	300	407	400	542	460	624
7/8	14		120	163	320	434	440	597	500	678
1	8	25.40	160	217	440	597	600	814	680	922
1	12		170	231	480	651	660	895	740	1003
1-1/8	7	25.58	220	298	600	814	840	1139	960	1320
1-1/8	12		260	353	660	895	940	1275	1080	1464
1-1/4	7	31.75	320	434	840	1139	1100	1492	1360	1844
1-1/4	12		360	488	920	1248	1320	1709	1500	2034
1-3/8	6	34.93	420	570	1100	1492	1560	2115	1780	2414
1-3/8	12		460	624	1260	1709	1780	2414	2040	2776
1-1/2	6	38.10	560	760	1460	1980	2080	2820	2360	3200
1-1/2	12		620	841	1640	2224	2320	3146	2660	3607

Table 5. Torque Limits for SAE 37-Degree Flare Hose Connections.



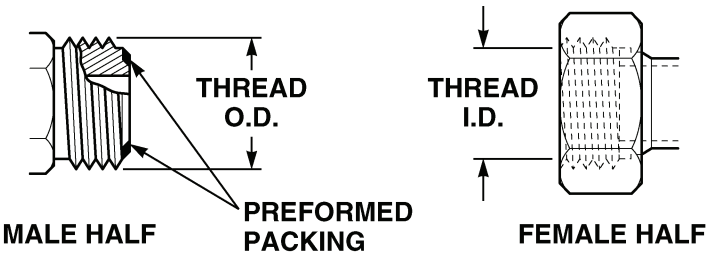
INCH SIZE	DASH NO.	THREAD SIZE	TORQUE LB-FT	TORQUE N•M
1/4	04	7/16 - 20	11-12	15-16
3/8	06	9/16 - 18	18-21	24-28
1/2	08	3/4 - 16	26-39	49-53
5/8	10	7/8 - 14	57-62	77-84
3/4	12	1-1/16 - 12	79-87	107-118
7/8	14	1-3/16 - 12	83-91	113-123
1	16	1-5/16 - 12	108-113	146-153
1-1/4	20	1-5/8 - 12	127-133	172-180
1-1/2	24	1-7/8 - 12	158-167	214-224
2	32	2-1/2 - 12	245-258	332-350

Table 6. Torque Limits for SAE 45-Degree Flare Hose Connections.



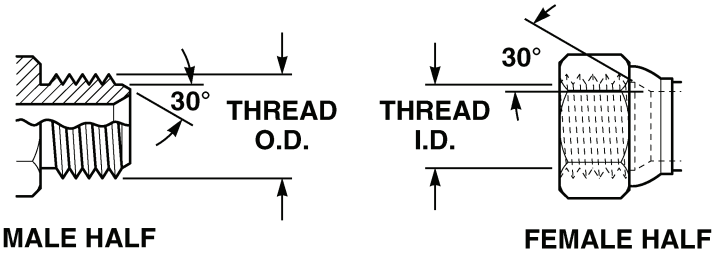
INCH SIZE	DASH NO.	THREAD SIZE	TORQUE LB-FT	TORQUE N•M
1/4	04	7/16 - 20	8-9	11-12
3/8	06	5/8 - 18	18-20	24-27
1/2	08	3/4 - 16	36-38	49-51
5/8	10	7/8 - 14	52-54	70-73
3/4	12	1-1/16 - 14	71-74	97-100

Table 7. Torque Limits for ORS Preformed Packing Face Seal Hose Connections.



INCH SIZE	DASH NO.	THREAD SIZE	TORQUE LB-FT	TORQUE N•M
1/4	04	9/16 - 18	10-12	14-16
3/8	06	11/16 - 16	18-20	24-27
1/2	08	13/16 - 16	32-35	43-47
5/8	10	1 - 14	46-50	62-68
3/4	12	1-3/16 - 12	65-70	88-95
1	16	1-7/16 - 12	108-113	146-153
1-1/4	20	1-11/16 - 12	127-133	172-180
1-1/2	24	2 - 12	158-167	214-226

Table 8. Torque Limits for NPSM Swivel Connections.



INCH SIZE	DASH NO.	THREAD SIZE	TORQUE LB-FT	TORQUE N•M
1/8	02	1/8 - 27	3-4	4-5
1/4	04	1/4 - 18	10-11	14-15
3/8	06	3/8 - 18	16-18	22-24
1/2	08	1/2 - 14	25-27	34-37
3/4	12	3/4 - 14	46-48	62-65
1	16	1 - 1-1/2	80-83	108-113
1-1/4	20	1-1/4 - 11-1/2	127-133	172-180
1-1/2	24	1-1/2 - 11-1/2	160-164	217-222
2	32	2 - 11-1/2	170-174	231-240

END OF WORK PACKAGE

CHAPTER 6

PARTS INFORMATION

FIELD LEVEL MAINTENANCE

REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL) INTRODUCTION

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 Field Level Maintenance of the TFFT. It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance, and recoverability (SMR) codes.

GENERAL

In addition to the Introduction work package, this RPSTL is divided into the following work packages:

Repair Parts List Work Packages. Work packages containing lists of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. These work packages also include 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. Sending units, brackets, filters, and bolts are listed with the component they mount on. Bulk materials are listed by item name in FIG. BULK at the end of the work packages. Repair parts kits are listed separately in their own functional group and work package. Repair parts for repairable special tools are also listed in a separate work package. Items listed are shown on the associated illustration.

Special Tools List Work Packages. Work packages containing lists of special tools, special TMDE, and special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE (UOC) column). Tools that are components of common tool sets and/or Class VII are not listed.

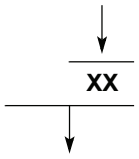
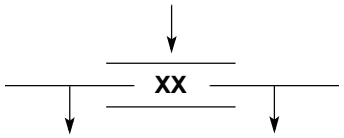
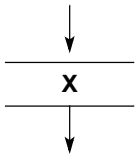
Cross-Reference Indexes Work Packages. There are two cross-reference indexes work packages in this RPSTL: The National Stock Number (NSN) Index work package and the Part Number (P/N) Index work package. The National Stock Number Index work package refers you to the figure and item number. The Part Number Index refers you to the figure and item number.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES

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

SMR CODE (Column (2)). The SMR code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction, as shown in the following breakout:

Table 1. SMR Code Explanation.

Source Code	Maintenance Code		Recoverability Code
			
1st two positions	3rd position	4th position	5th position
How you get an item	Who can install, replace or use the item	Who can do complete repair* on the item	Who determines disposition action on unserviceable items

** 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:

Table 2. Source Code Explanation.

Source Code	Explanation
PA PB PC PD PE PF PG PH PR PZ	**NOTE** Items coded PC are subject to deterioration. Stock items; use the applicable NSN to requisition/request items with these source codes. They are authorized to the level indicated by the code entered in the 3rd position of the SMR code.
KD KF KB	Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance level indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.
MO - Made at unit/AVUM level MF - Made at DS/AVIM level MH - Made at GS level ML - Made at SRA MD - Made at depot MG - Navy only	Items with these codes are not to be requisitioned/requested 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 work package of the RPSTL. 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.

Table 2. Source Code Explanation. (Continued)

Source Code	Explanation
AO - Assembled by unit/AVUM level AF - Assembled by DS/AVIM level AH - Assembled by GS level AL - Assembled by SRA AD - Assembled by depot AG - Navy only	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 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 the next higher assembly. (Refer to the NOTE below.)
XB	If an item is not available from salvage, order it using the CAGEC and part number.
XC	Installation drawings, diagrams, instruction sheets, field service drawings; identified by manufacturer's part number.
XD	Item is not stocked. Order an XD-coded item through normal supply channels using the CAGEC 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 coded “XA” or those aircraft support items restricted by requirements of AR 750-1.	

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 position of the SMR code as follows:

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

Table 3. Third Position Maintenance Code Explanation.

Maintenance Code	Application/Explanation
O	Unit level/AVUM maintenance can remove, replace, and use the item.
F	Direct support/AVIM maintenance can remove, replace, and use the item.
H	General support maintenance can remove, replace, and use the item.
L	Specialized repair activity can remove, replace, and use the item.
G	Afloat and ashore intermediate maintenance can remove, replace, and use the item (Navy only).
K	Contractor facility can remove, replace, and use the item.
Z	Item is not authorized to be removed, replaced, or used at any maintenance level.
D	Depot can remove, replace, and use the item.

b. **Fourth Position.** The maintenance code entered in the fourth position tells you whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (perform all authorized maintenance 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.

Table 4. Fourth Position Maintenance Code Explanation.

Maintenance Code	Application/Explanation
O	Unit/AVUM is the lowest level that can do complete repair of the item.
F	Direct support/AVIM 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 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.
G	Both afloat and ashore intermediate levels are capable of complete repair of item (Navy only).
K	Complete repair is done at contractor facility.
Z	Nonreparable. No repair is authorized.
B	No repair is authorized. No parts or special tools are authorized for maintenance of “B” coded items. 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 shown in the fifth position of the SMR code as follows:

Table 5. Recoverability Code Explanation.

Recoverability Code	Application/Explanation
Z	Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the 3rd position of the SMR code.
O	Reparable item. When uneconomically reparable, condemn and dispose of the item at unit level.
F	Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support 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 are not authorized below depot level.
L	Reparable item. Condemnation and disposal not authorized below Specialized Repair Activity (SRA).

Table 5. Recoverability Code Explanation. (Continued)

Recoverability Code	Application/Explanation
A	Item requires special handling or condemnation procedures because of specific reasons (such as precious metal content, high dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.
G	Field level reparable item. Condemn and dispose at either afloat or ashore intermediate levels (Navy only).
K	Reparable item. Condemnation and disposal to be performed at contractor facility.

NSN (Column (3)). The National Stock Number (NSN) for the item is listed in this column.

CAGEC (Column (4)). The Commercial and Government Entity Code (CAGEC) is a 5-digit code which is used to identify the manufacturer, distributor, or government agency/activity that supplies the item.

PART NUMBER (Column (5)). 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 number listed.

DESCRIPTION AND USABLE ON CODES (UOC) (Column (6)). This column includes the following information:

1. The federal item name, and when required, a minimum description to identify the item.
2. Part numbers of bulk materials are referenced in this column in the line entry to be manufactured or fabricated.
3. Hardness Critical Item (HCI). A support item that provides the equipment with special protection from electromagnetic pulse (EMP) damage during a nuclear attack.
4. The statement END OF FIGURE appears just below the last item description in column (6) for a given figure in both the repair parts list and special tools list work packages.

QTY (Column (7)). 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 instead of a quantity indicates that the quantity is variable and quantity may change from application to application.

EXPLANATION OF CROSS-REFERENCE INDEXES WORK PACKAGES FORMAT AND COLUMNS

1. **National Stock Number (NSN) Index Work Package.** NSNs in this index are listed in National Item Identification Number (NIIN) sequence.

   STOCK NUMBER Column. This column lists the NSN in NIIN sequence. The NIIN consists of the last nine digits of the NSN. When using this column to locate an item, ignore the first four digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

   For example, if the NSN is 5385-01-574-1476, the NIIN is 01-574-1476.

   NSN e.g. (5385-01-574-1467)
   NSN
   NIIN

   FIG. Column. This column lists the number of the figure where the item is identified/located. The figures are in numerical order in the repair parts list and special tools list work packages.

   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.

2. **Part Number (P/N) Index Work Package.** Part numbers in this index are listed by part number in ascending alphanumeric sequence (vertical arrangement of letters and number combinations 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).

   PART NUMBER Column. Indicates the part number assigned to the item.

   FIG. Column. This column lists the number of the figure where the item is identified/located in the repair parts list and special tools list work packages.

   ITEM Column. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent FIG. column.

SPECIAL INFORMATION

1. **Usable on Code (UOC).** The UOC 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 under the applicable item/nomenclature. Uncoded items are applicable to all models. Identification of the UOCs used in this RPSTL are:

Code	Used On
FFT	TFFT

2. **Fabrication Instructions.** Bulk materials required to manufacture items are listed in the bulk material functional group of this RPSTL. Part numbers for bulk material 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 9-2320-325-14&P.

3. **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 NSN / Part Number (P/N) Index work packages and the bulk material list in the repair parts list work package.

4. **Associated Publications.** The publication(s) listed below pertain to the TFFT and its components:

Publication	Short Title
TM 9-2320-347-10	Operator's Manual
TM 9-2320-325-14&P	HEMTT Interactive Electronic Technical Manual (IETM)

HOW TO LOCATE REPAIR PARTS

1. **When NSNs or Part Numbers Are Not Known.**

   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 lists are divided into the same groups.

   Second. Find the figure covering the functional group or the subfunctional group to which the item belongs.

   Third. Identify the item on the figure and note the number(s).

   Fourth. Look in the repair parts list work packages for the figure and item numbers. The NSNs and part numbers are on the same line as the associated item numbers.

2. **When NSN Is Known.**

   First. If you have the NSN, look in the STOCK NUMBER column of the NSN Index work package. The NSN is arranged in NIIN sequence. Note the figure and item number next to the NSN.

   Second. Turn to the figure and locate the item number. Verify that the item is the one you are looking for.

3. **When Part Number Is Known.**

   First. If you have the part number and not the NSN, look in the PART NUMBER column of the Part Number Index work package. Identify the figure and item number.

   Second. Look up the item on the figure in the applicable repair parts list work package.

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

FUNCTION GROUP CODE 07 - TRANSMISSION

			Figure	Page
GROUP 07	**TRANSMISION**			
	0700	**TRANSMISSION ASSEMBLY**		
		TRANSMISSION DIPSTICK AND TUBE	1	0611-2

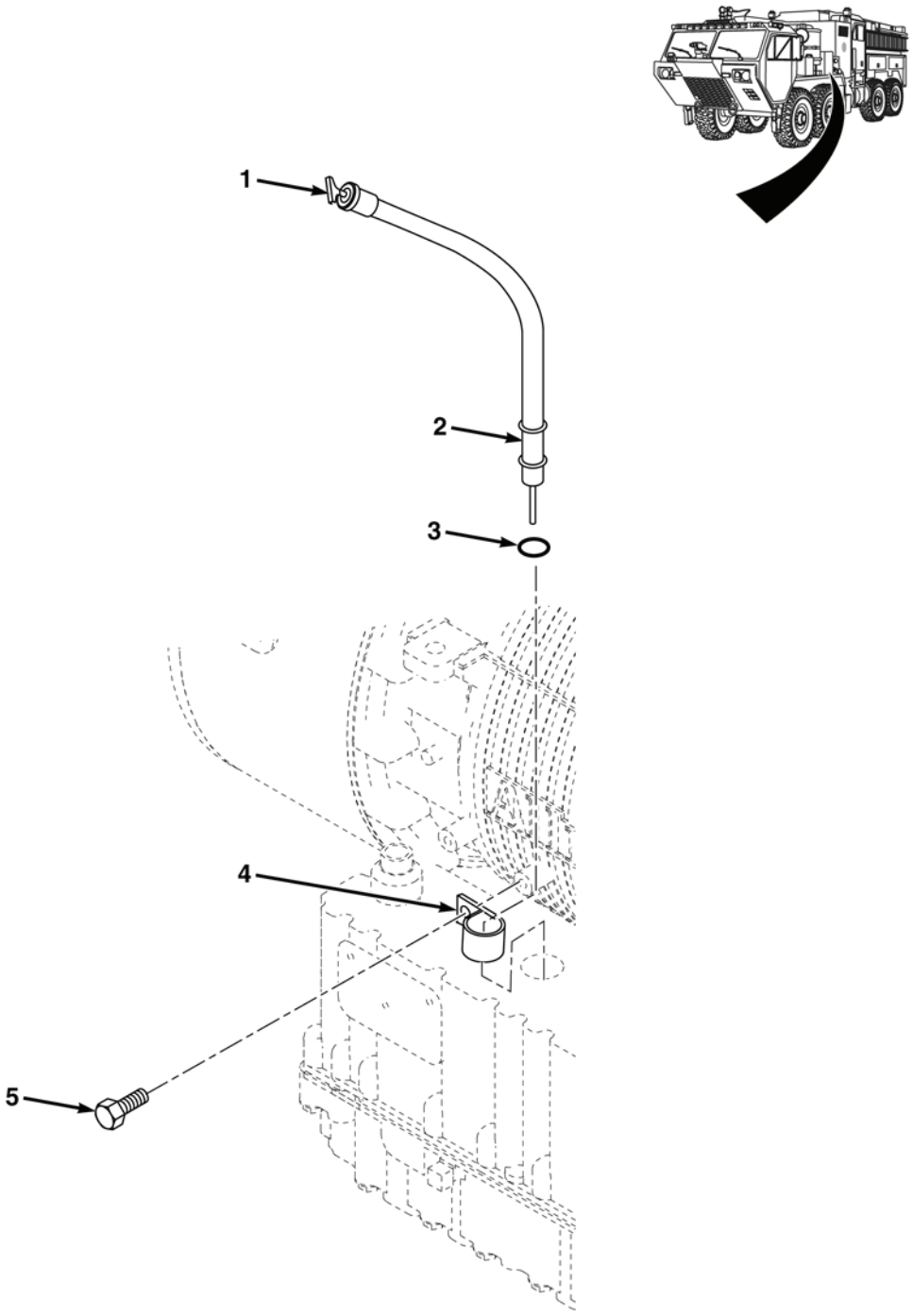


FIG. 1 TRANSMISSION DIPSTICK AND TUBE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 0700 TRANSMISSION ASSEMBLY	
					FIG. 1 TRANSMISSION DIPSTICK AND TUBE	
1	PAFZZ		0U276	1411923	DIPSTICK,TRANSMISSION	1
2	PAFZZ		0U276	1411921	TUBE,DIPSTICK TRANSMISSION	1
3	PAFZZ	5331-01-503-3545	45152	2HA11	O-RING	1
4	PAFZZ	5340-01-388-0948	73342	29507755	BAND,RETAINING	1
5	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON .25-20 X 1.00. .	1
					END OF FIGURE	

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

FUNCTION GROUP CODE 12 - BRAKES

			Figure	Page
GROUP 12	**BRAKES**			
	1208	**AIR BRAKE SYSTEM**		
		CHASSIS AIR TANKS, LINES, AND FITTINGS.	2	0612-2

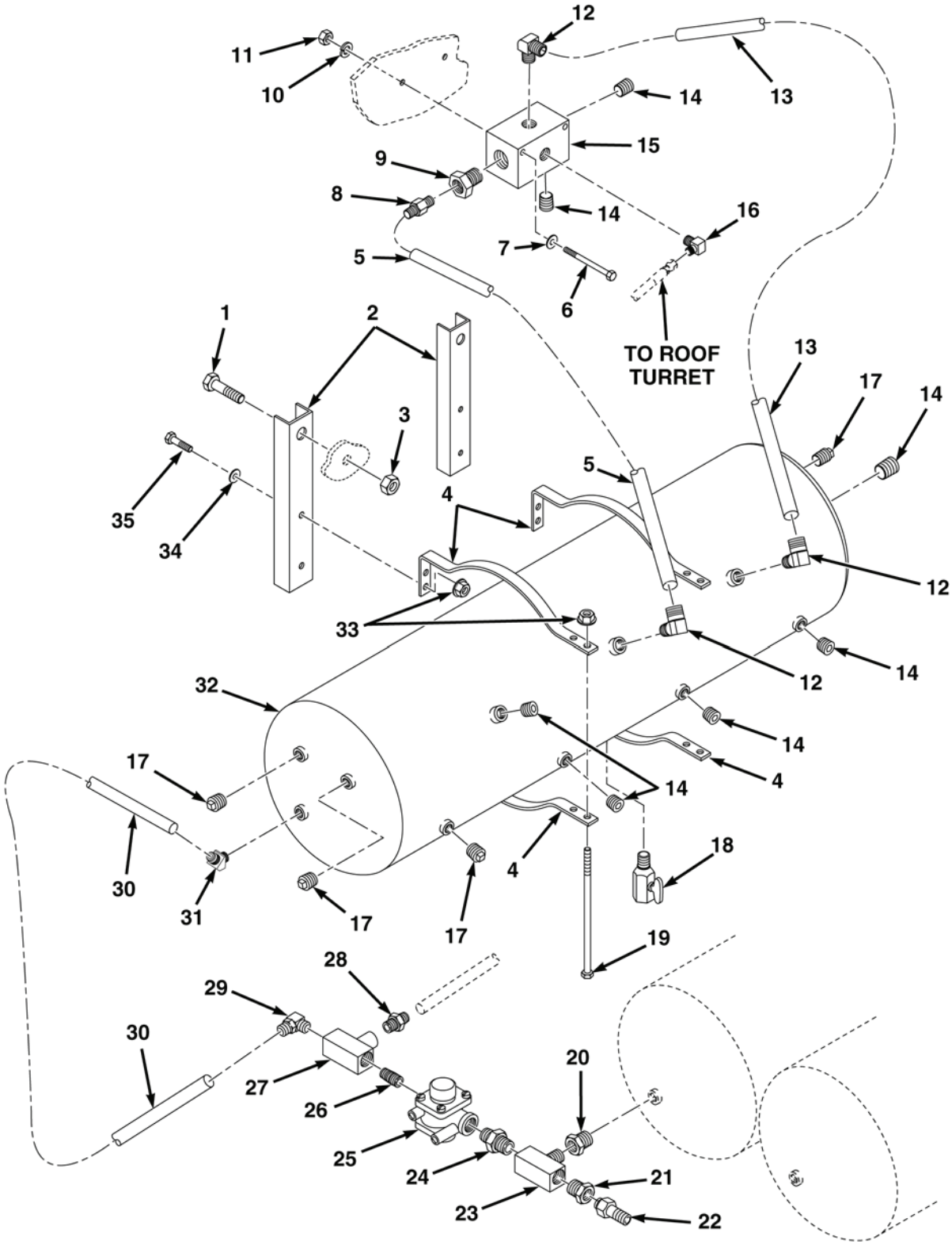


FIG. 2 CHASSIS AIR TANKS, LINES, AND FITTINGS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 1208 AIR BRAKE SYSTEM	
					FIG. 2 CHASSIS AIR TANKS, LINES, AND FITTINGS	
1	PAFZZ	5306-01-106-7496	45152	111316A	BOLT,MACHINE .625-11 X 1.75.	2
2	PFFZZ	2590-01-559-2904	04664	1207087	BRACKET,MOUNTING AIR TANK.	2
3	PAFZZ	5310-00-764-6609	96906	MS51971-7	NUT,PLAIN,HEXAGON .625-11.	2
4	PFFZZ		04664	55-2153	BRACKET,AIR TANK	2
5	MFFZZ		04664	944008-240	TUBING,NONMETALLIC MAKE FROM P/N NBR-6-075,CAGE 61424,APPROX 240 IN. LG.	1
6	PAFZZ	5305-00-071-2513	80204	B1821BH025C250N	SCREW,CAP,HEXAGON .25-20 X 2.50. .	2
7	PAFZZ	5310-01-517-4200	04664	82-1017-001	WASHER,FLAT .25	2
8	PAFZZ	4730-00-691-5441	02570	B-600-1-4	ADAPTER,STRAIGHT,PI	1
9	PAFZZ	4730-01-348-6542	93061	209P-8-4	BUSHING,PIPE .500 - .250	4
10	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK .25.	2
11	PAFZZ	5310-00-761-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON .25-20 UNC	2
12	PAFZZ	4730-00-821-0457	30780	6-8CBTXB	ELBOW,PIPE TO TUBE	3
13	MFFZZ		04664	944035-240	TUBING,NONMETALLIC MAKE FROM P/N NT10006BK,CAGE 01276,APPROX 240 IN. LG.	1
14	PAFZZ	4730-01-117-0119	30780	1/2HHPS	PLUG,PIPE .500 COUNTERSUNK HEAD	7
15	PAFZZ	4730-01-517-4942	04664	55-0047	MANIFOLD ASSEMBLY,H	1
16	PAFZZ	4730-01-528-5992	9L970	1869X4	ELBOW,PIPE TO TUBE .125 X .250	2
17	PAFZZ	4730-00-012-7951	01276	2082-4B	PLUG,PIPE .250 HEX HEAD	4
18	PAFZZ	4820-00-142-3036	19207	7759645	COCK,DRAIN	1
19	PAFZZ	5305-01-517-2222	39428	92198A648	SCREW,CAP,HEXAGON .375-16 X 6.00”	2
20	PAFZZ	4730-00-278-3167	81343	SAE J530 12-8 130140BA	BUSHING,PIPE .750 - .500	1
21	PAFZZ	4730-00-278-3885	01276	3220X8X2	BUSHING,PIPE .500 - .125	1
22	PAFZZ	4820-00-242-4064	27783	006451499	VALVE,PNEUMATIC TAN TANK	1
24	PAFZZ	4730-01-517-8520	93061	216P-8-4	REDUCER,PIPE	1
25	PAFZZ	4820-01-104-3968	06853	286500N	VALVE,SAFETY RELIEF	1
26	PAFZZ	4730-01-061-5927	02570	B-4-HN	NIPPLE,PIPE	1
27	PAFZZ	4730-01-268-2402	30780	1/4 MMO-B	TEE,PIPE	1
28	PAFZZ	4730-00-277-7905	30780	4-4FBTXB	ADAPTER,STRAIGHT,PI	1
29	PAFZZ	4730-00-793-2808	02570	B-810-2-4	ELBOW,PIPE TO TUBE.	3
30	MFFZZ		04664	944036-96	TUBING,NONMETALLIC MAKE FROM P/N 31270AX, CAGE 45152,APPROX 96 IN. LG.	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
31	PFFZZ	4730-00-993-3698	81343	J514 8-8 070302B	ELBOW,PIPE TO TUBE	1
32	PFFZZ	2530-01-559-3056	04664	50-1876	TANK,AIR	1
33	PAFZZ	5310-01-477-8639	39428	90640A131	NUT,SELF-LOCKING .375-16 UNC	6
34	PAFZZ	5310-01-517-4812	04664	82-1013-008	WASHER,FLAT .375	4
35	PAFZZ	5305-01-147-1228	10001	3176210-A-091	SCREW,CAP,HEXAGON .375-16 X 1.50".	4

END OF FIGURE

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

FUNCTION GROUP CODE 34 - ARMAMENT AND SIGHTING AND FIRE CONTROL MATERIEL

			Figure	Page
GROUP 34	**ARMAMENT AND SIGHTING AND FIRE CONTROL MATERIEL**			
	3401	**PRIMARY ARMAMENT**		
		RIFLE MOUNTINGS	3	0613-2

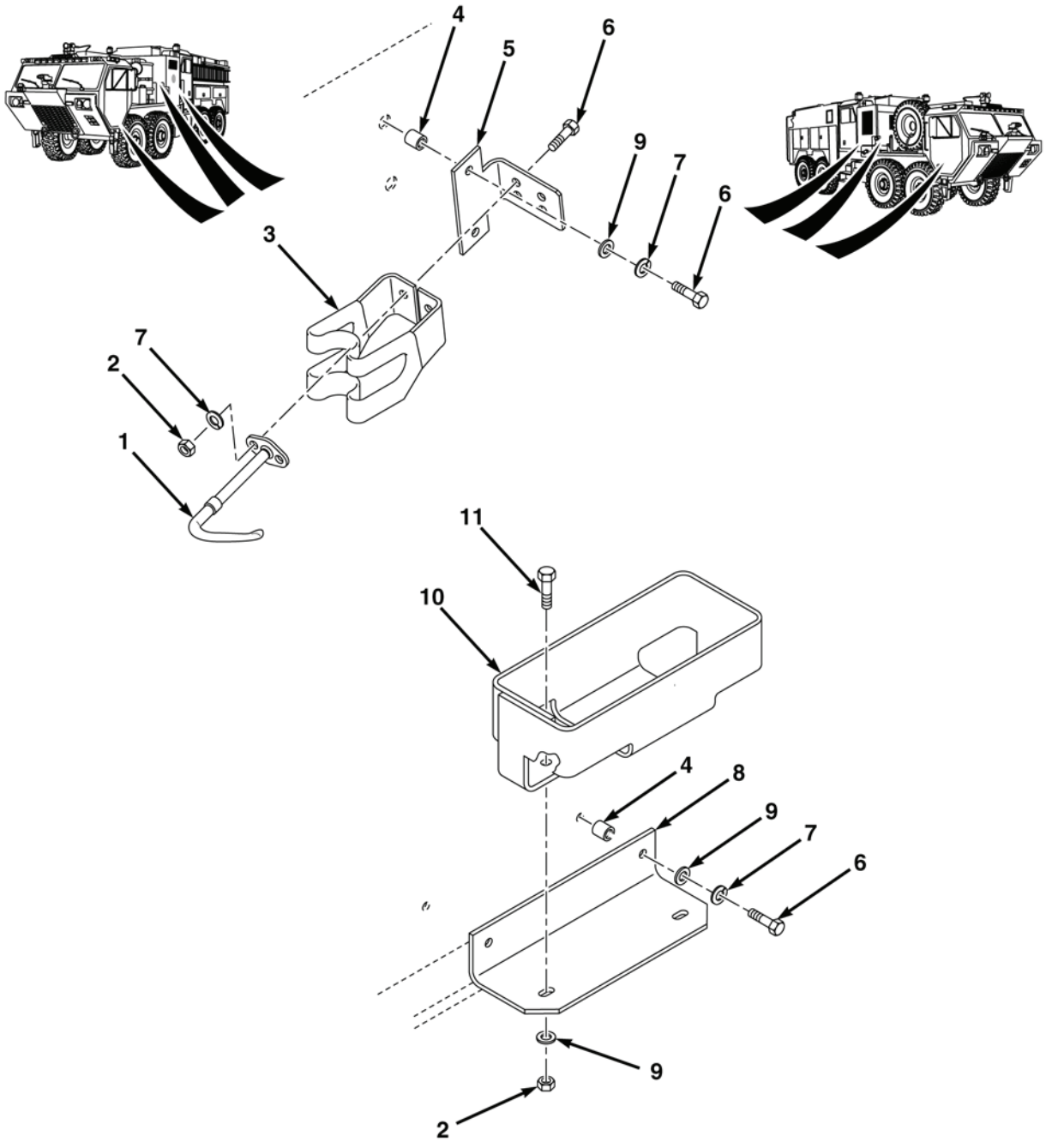


FIG. 3 RIFLE MOUNTINGS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 3401 PRIMARY ARMAMENT	
					FIG. 3 RIFLE MOUNTINGS	
1	PFFZZ	1095-00-763-7348	19207	11630529	RACK,STORAGE,SMALL	2
2	PAFZZ	5310-01-156-7706	96906	MS16286-1	NUT,PLAIN,HEXAGON 1/4-20	18
3	PFFZZ	5342-00-455-5899	19207	11630581	BRACKET,MOUNTING CATCH	4
4	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	8
5	PFFZZ	5340-01-160-4010	45152	1376350	BRACKET,ANGLE	4
6	PAFZZ	5305-00-719-3997	80205	MS35307-303	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1/2	8
7	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	16
8	PFFZZ	5340-01-158-5378	45152	1376360	BRACKET,ANGLE	2
9	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	2
10	PFFZZ	2590-00-264-8828	19207	11630594	SUPPORT,RIFLE MOUNT	4
11	PAFZZ	5305-00-068-0501	80205	MS90725-5	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 5/8	4
					END OF FIGURE	

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

FUNCTION GROUP CODE 52 - REFRIGERATION AND AIR CONDITIONING COMPONENTS

		Figure	Page
GROUP 52	**REFRIGERATION AND AIR CONDITIONING COMPONENTS**		
	HARNESS ASSEMBLY, AIR CONDITIONER (1362780).	4	0614-2
	CREW CAB AIR COMPRESSOR INSTALLATION	5	0614-4
	CREW CAB AIR CONDITIONER/HEATER INSTALLATION	6	0614-7
	CREW CAB AIR CONDITIONER/HEATER	7	0614-12
	CREW CAB AIR CONDITIONER CONDENSER INSTALLATION	8	0614-16
	CREW CAB FRESH AIR INTAKE SYSTEM.	9	0614-18

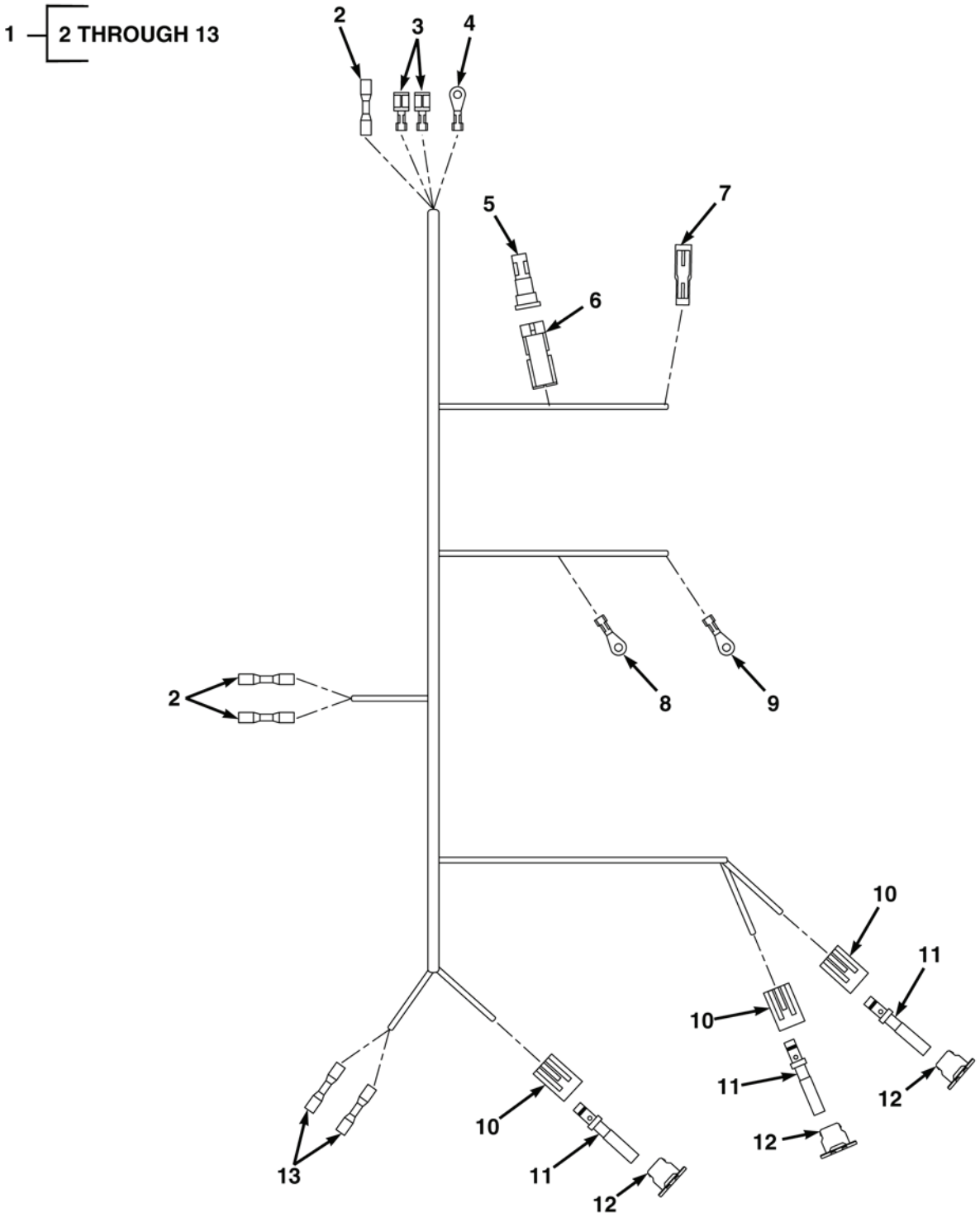


FIG. 4 HARNESS ASSEMBLY, AIR CONDITIONER (1362780)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 52 REFRIGERATION AND AIR CONDITIONING COMPONENTS	
					FIG. 4 HARNESS ASSEMBLY, AIR CONDITIONER (1362780)	
1	PFFFZ	6150-01-517-9351	04664	1362780-H001	WIRING HARNESS,BRAN BODY CONDENSER	1
2	PAFZZ	5940-01-386-5967	80372	87024A9873	. SPLICE,CONDUCTOR	3
3	PAFZZ	5999-01-484-6926	00779	40724	. CLIP,ELECTRICAL	2
4	PAFZZ	5940-01-353-5702	00779	40725	. TERMINAL,LUG.	1
5	PAFZZ	5999-01-406-4110	77060	12124582	. CONTACT,ELECTRICAL 16-14 GA, MALE	1
6	PAFZZ	5935-01-338-3532	64678	1201 0996	. CONNECTOR BODY,PLUG.	1
7	PAFZZ	5940-01-517-5004	00779	521317-2	. TERMINAL,QUICK DISC	3
8	PAFZZ	5940-00-114-1315	96906	MS20659-142	. TERMINAL,LUG.	1
9	PAFZZ	5940-00-113-9826	81343	MS25036-114	. TERMINAL,LUG 3/8,RING.	1
10	PAFZZ	5935-01-514-4357	45152	8HE868	. CONNECTOR,PLUG	3
11	PAFZZ	5999-01-372-4955	11139	5962-202-16141	. CONTACT,ELECTRICAL 16-14, SOCKET,#16	6
12	PAFZZ	5342-01-480-0358	45152	7HE956	. WEDGE,PLUG LOCK	3
13	PAFZZ	5940-01-309-6313	06090	D-406-0003	. SPLICE,CONDUCTOR	2
					END OF FIGURE	

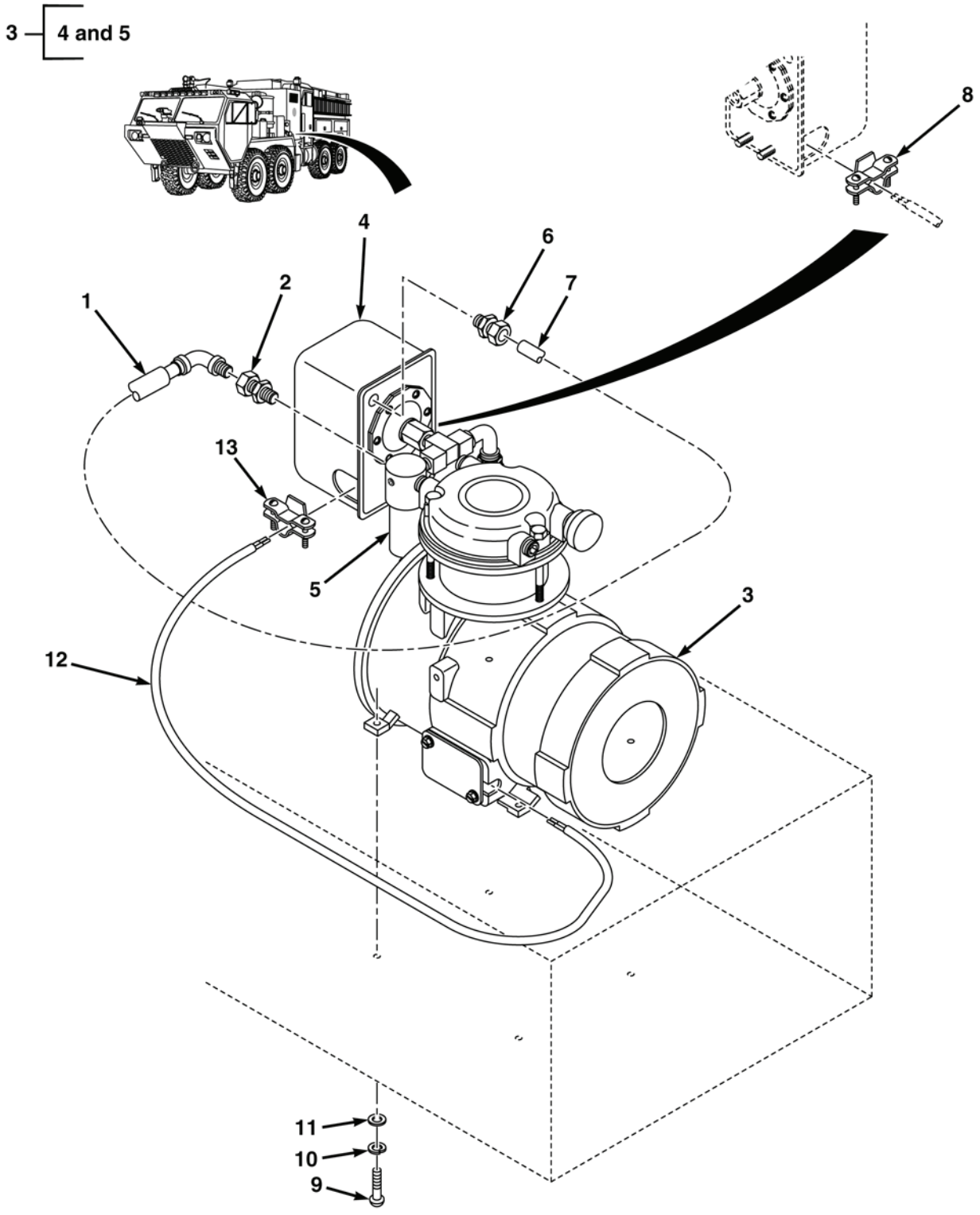


FIG. 5 CREW CAB AIR COMPRESSOR INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 52 REFRIGERATION AND AIR CONDITIONING COMPONENTS	
					FIG. 5 CREW CAB AIR COMPRESSOR INSTALLATION	
1	MFFZZ		1JB11	67588-R-12	INSULATION SLEEVING MAKE FROM P/N 67588-R,CAGE 1JB11,APPROX 12 IN. LG.	1
2	PAFZZ	4730-01-062-2570	81343	6-4 100102BA	ADAPTER,STRAIGHT PIPE	1
3	PAFFZ	4310-01-517-2199	10463	C091-902A	COMPRESSOR UNIT,CEN	1
4	PAFZZ	5930-01-302-3301	56365	9013-FHG-2	. SWITCH,PRESSURE	1
5	PAFZZ	2940-01-454-0787	58470	F504-02-AH	. FILTER,FLUID	1
6	PAFZZ	4730-01-096-9127	93061	68NTA-6-8	ADAPTER,STRAIGHT,PI	2
7	MFFZZ		79470	944011-12	TUBING,NONMETALLIC MAKE FROM P/N NT10006BK100,CAGE 01276, APPROX 12 IN. LG.	1
8	PAFZZ	5975-01-119-9336	74545	SHC-1033	BOX CONNECTOR,ELECT	1
9	PAFZZ	5305-00-993-1848	80205	MS35207-265	SCREW,MACHINE 10-32 X 3/4	4
10	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	4
11	PAFZZ	5310-00-138-4315	96906	MS51859-5	WASHER,FLAT 3/16	4
12	PAFZZ	6145-01-300-6438	16528	4A-1603	CABLE,SPECIAL PURPO	20
13	PAFZZ	5975-00-519-8334	49367	DB338	BOX CONNECTOR,ELECT	1
					END OF FIGURE	

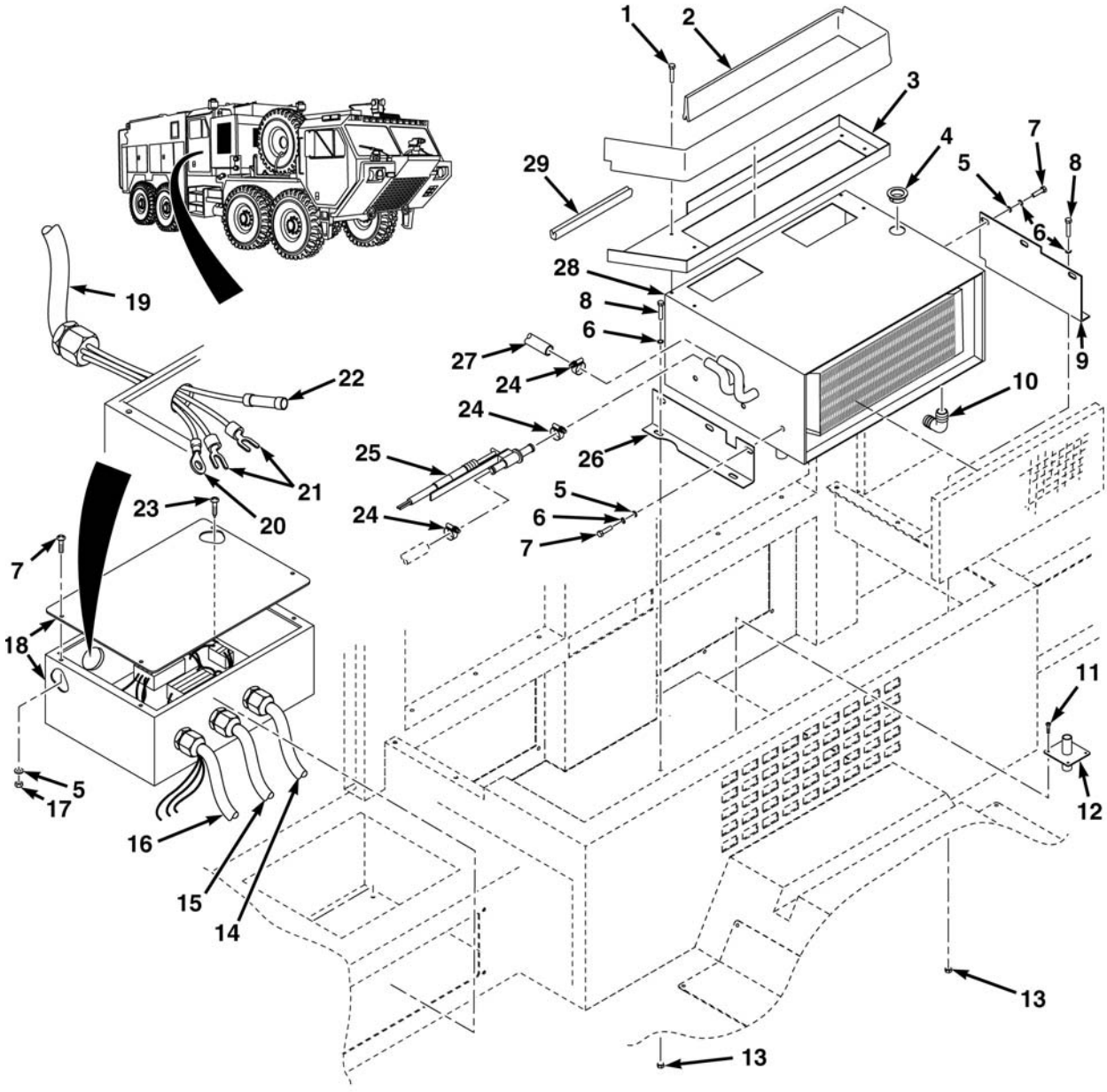


FIG. 6 CREW CAB AIR CONDITIONER/HEATER INSTALLATION (SHEET 1 OF 2)

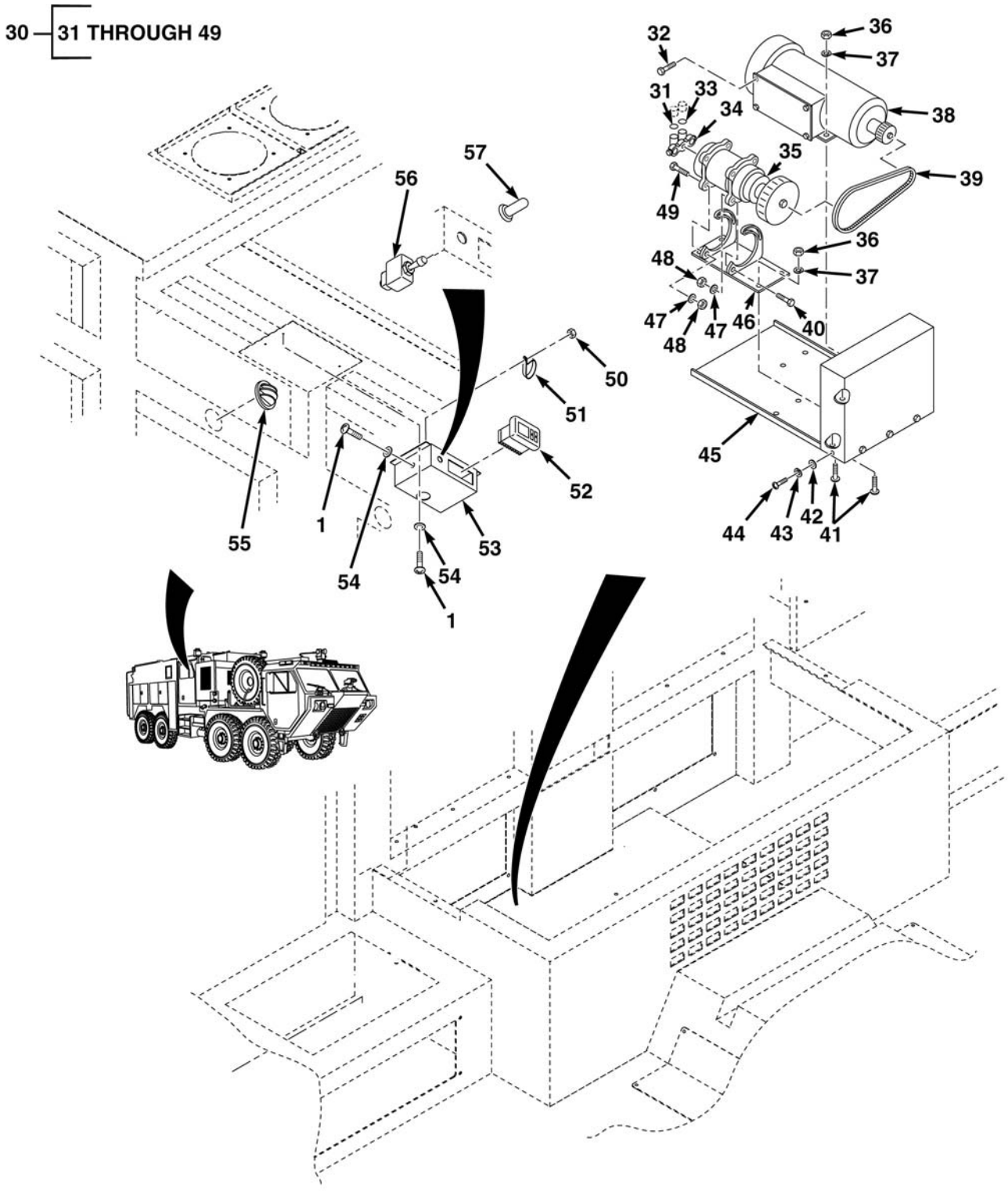


FIG. 6 CREW CAB AIR CONDITIONER/HEATER INSTALLATION (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 52 REFRIGERATION AND AIR CONDITIONING COMPONENTS	
					FIG. 6 CREW CAB AIR CONDITIONER/ HEATER INSTALLATION	
1	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4	8
2	PFFZZ		04664	1136252	WALL,DUCT,A/C CREW CAB	1
3	PFFZZ		04664	1136251	BASE,AIR CONDITION	1
4	PAFZZ	5975-01-362-7144	28520	2166	BUSHING,ELECTRICAL CONDUCTOR	1
5	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	6
6	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	6
7	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1	10
8	PAFZZ	5305-00-225-3842	80204	B1821BH025C113N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1 1/8	4
9	PFFZZ		04664	1136253	BRACKET,A/C DUCT CREW CAB	1
10	PAFZZ	4730-01-517-8974	1HWN7	TE201010-T/P	ELBOW,PIPE 5/8 PLASTIC	1
11	PAFZZ	5305-00-764-0071	80205	MS51959-47	SCREW,MACHINE .164-32 X .750	4
12	PFFZZ		04664	1011114	BRACKET,MOUNTING FRESH AIR	1
13	PAFZZ	5310-00-761-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON 1/4-20	4
14	PAFZZ		3NZK0	14/2	CABLE, 14-2 SOJ	1
15	PAFZZ		3NZK0	10/3	CABLE, 10-3 SOJ	1
16	PAFZZ		3NZK0	16/6	CABLE, 16-6 SOJ	1
17	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING 1/4-20 NC	8
18	PFFZZ		3NZK0	CC121245PDB24	BOX,CLIMATE CONTROL POWER DISTRIBUTION	1
19	PAFZZ	6150-01-518-0258	04664	640201	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL	1
20	PAFZZ	5940-00-143-4794	81343	MS25036-112	TERMINAL,LUG,NO. 10,RING,12-10 GA.	1
21	PAFZZ	5999-01-515-1015	45152	3459341	TERMINAL,SPADE	2
22	PAFZZ	5940-01-309-6313	06090	D-406-0003	SPLICE, CONDUCTOR	1
23	PAFZZ	5305-00-855-0957	45152	2477HX	SCREW,TAPPING	8
24	PAFZZ	4730-01-398-8329	7Z588	CT-9410	CLAMP,HOSE	4
25	PAFZZ	4810-01-521-0493	3NZK0	103876	VALVE,STOP-CHECK ELECTRONIC COOLANT	1
26	PFFZZ		04664	1136254	BRACKET,A/C UNIT CREW CAB	1
27	MFFZZ		04664	940060-36	HOSE ,HEATER MAKE FROM P/N A52426-1C BULK,CAGE 58536, APPROX 36 IN. LG	3

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
28	PAFFF	4120-01-517-9018	04664	1154817	EVAPORATOR ASSY	1
29	PAFZZ	5330-01-517-3903	04664	1220962	SEAL,NONMETALLIC SP	1
30	PFFZZ		3NZK0	ESPT-1	TRAY,POWER	1
31	PAFZZ	5331-01-160-9857	24234	300442	. O-RING	1
32	PAFZZ	5305-00-889-3000	80205	MS35206-230	. SCREW,MACHINE 6-32 X 1/2	4
33	PCFZZ	5331-01-166-1712	02697	2-015C557-70	. O-RING	1
34	PAFZZ	2815-01-521-9908	3NZK0	RD-5-108810-0	. MANIFOLD,INTAKE	1
35	PBFZZ	4310-01-521-0538	3NZK0	RD-5-10900-0	. COMPRESSOR,ROTARY	1
36	PAFZZ	5310-00-245-3615	80205	MS35649-2314	. NUT,PLAIN,HEXAGON 5/16-18	8
37	PAFZZ	5310-00-004-5033	80205	MS35338-46	. WASHER,LOCK 3/8	8
38	PBFZZ	6105-01-521-4575	3NZK0	182TBFR5301	. MOTOR,ALTERNATING C	1
39	PAFZZ	4810-01-517-4976	00912	9305	. CONTROLLER,VALVE	2
40	PAFZZ	5305-00-068-0509	80204	B1821BH025C125N	. SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1 1/4	2
41	PAFZZ	5305-00-071-2511	80204	B1821BH025C200N	. SCREW,CAP,HEXAGON HEAD, 1/4-20 X 2	8
42	PAFZZ	5310-00-765-3197	96906	MS27183-41	. WASHER,FLAT 3/16	4
43	PAFZZ	5310-00-576-0546	80205	MS35338-99	. WASHER,LOCK 3/16	4
44	PAFZZ	5305-00-889-3000	80205	MS35206-230	. SCREW,MACHINE 6-32 X 1/2	4
45	PFFZZ		3NZK0	MIS171385-ESPT	. FRAME,POWER TRAY	1
46	PFFZZ		3NZK0	TR756015	. BRACKET,MOUNTING COMPRESSOR	1
47	PAFZZ	5310-00-823-8804	96906	MS27183-9	. WASHER,FLAT 1/4	12
48	PAFZZ	5310-01-066-6759	56878	21NE-040	. NUT,SELF-LOCKING 1/4-20 NC	4
49	PAFZZ	5305-00-071-2513	80204	B1821BH025C250N	. SCREW,CAP,HEXAGON HEAD, 1/4-20 X 2 1/2	2
50	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24	1
51	PAFZZ		04664	64-0766-0300	CLAMP ID 3.00 KMC #X8139	1
52	PAFZZ	6685-01-521-3950	3NZK0	TDH02-GERR	CONTROL,TEMPERATURE MICRO PROCESSOR DIGITAL	1
53	PFFZZ		04664	1136255	BRACKET,THERMOSTAT	1
54	PAFZZ	5310-01-517-4200	04664	82-1017-001	WASHER,FLAT 10 NYLON	2
55	PAFZZ	2540-01-518-4242	3NZK0	20900018	VENTILATOR,AIR CIRC	4
56	PAFZZ	5930-01-268-7728	12361	7-872-000568	SWITCH,TOGGLE	1
57	PAFZZ	2530-01-061-1351	13445	81264	BOOT,VEHICULAR COMP	1

END OF FIGURE

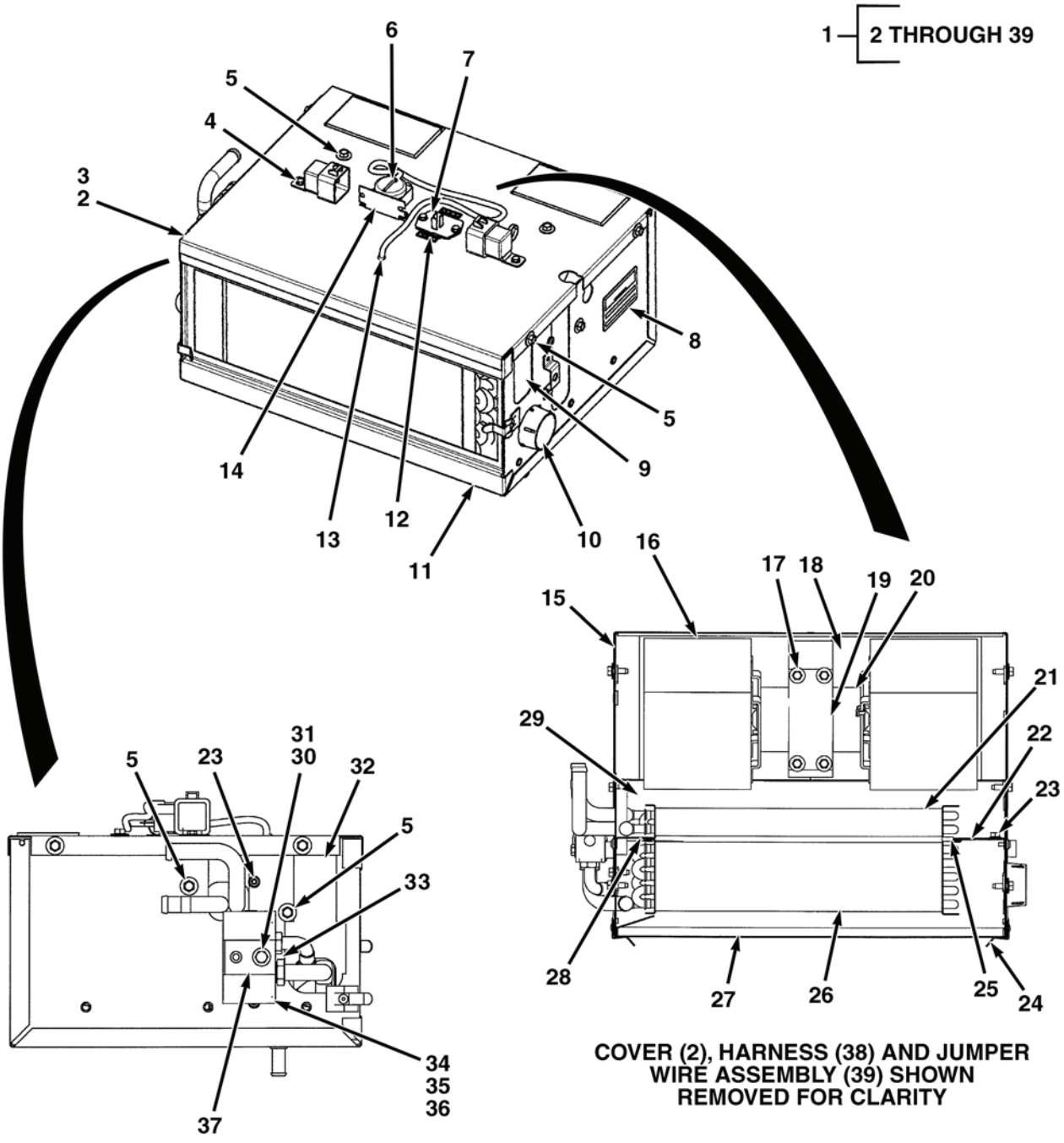


FIG. 7 CREW CAB AIR CONDITIONER/HEATER

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 52 REFRIGERATION AND AIR CONDITIONING COMPONENTS	
					FIG. 7 CREW CAB AIR CONDITIONER/HEATER	
1	PAFFF	2540-01-517-5284	62534	R-9520	AIR CONDITIONING UNIT	1
2	PFFZZ		62534	RD-3-8928-0	. COVER ASSEMBLY	1
3	KFFZZ		62534	RD-3-9008-0	. GASKET,COVER,HOUSIN PART OF KIT PART NUMBER RD-11-0155-OP,CAGE 62534	1
4	PAFZZ	5305-01-517-9377	62534	RD-5-5630-1-12	. SCREW,CAP,HEXAGON H M5 X0.8-6G	6
5	PAFZZ	5305-01-517-9373	62534	RD-5-8222-1-12	. SCREW,ASSEMBLED WAS M6 X 1.0-6G.	2
6	PAFZZ		62534	RD-5-3816-18	. TUBE 1/8	1
7	PAFZZ	5905-01-466-2808	62534	RD-5-3647-OP	. RESISTOR ASSEMBLY.	1
8	PAFZZ	7530-01-520-5373	62534	RD-5-4606-0	. LABEL	1
9	PAFZZ		62534	RD-3-7697-0	. COVER ASSEMBLY	1
10	PAFZZ	4520-01-518-1286	62534	RD-5-4487-0	. ADAPTER,AIR CONDITI HIGH VOLUME	1
11	PAFZZ		62534	RD-3-8942-0	. HOUSING ASSEMBLY	1
12	PAFZZ	6935-01-520-5882	62534	RD-3-8113-0	. GUARD,RESISTOR.	1
13	PAFZZ	5325-01-517-9006	62534	RD-4199-0	. GROMMET,NONMETALLIC.	1
14	PAFZZ	6685-01-517-4892	62534	RD-5-11440-0P	. THERMOSTAT,FLOW CON.	1
15	KFFZZ		62534	RD-3-10139-0	. GASKET,HOUSING PART OF KIT PART NUMBER RD-11-0155-OP,CAGE 62534 .	1
16	KFFZZ		65234	RD-2-3171-0	. GASKET,HOUSING BACK PART OF KIT PART NUMBER RD-11-0155-OP,CAGE 62534	1
17	PAFZZ	5305-01-517-9283	62534	RD-5-8222-1-16	. SCREW,ASSEMBLED WAS M6 X 1.0-6G.	11
18	KFFZZ		62534	RD-3-9026-0	. GASKET,HOUSING,BOTT PART OF KIT RD-11-0155-OP,CAGE 62534	1
19	PFFZZ	2590-01-561-6202	62534	RD-3-3174-0	. BRACKET,VEHICULAR.	1
20	PAFZZ	6105-01-517-5739	62534	RD-3-7383-1	. MOTOR,DIRECT CURREN.	1
21	PAFZZ	2540-01-518-3803	62534	RD-1-2006-0	. RADIATOR,VEHICULAR	1
22	PAFZZ		62534	RD-3-7696-0	. RETAINER,CORE	1
23	PAFZZ	5305-01-517-9375	62534	RD-5-7218-0-375	. SCREW,ASSEMBLED WAS 10-16 TY B TORX	4
24	PAFZZ	5340-01-517-8600	62534	RD-5-6239-0	. CLIP,SPRING TENSION	2
25	PAFZZ	5340-01-517-9374	62534	RD-5-4089-0	. CLIP,RETAINING	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
26	PAFZZ	4130-01-517-8946	62534	RD-2-3070-0	. EVAPORATOR COIL,REF	1
27	PAFZZ	2940-01-517-5296	62534	RD-5-8076-0P	. FILTER ELEMENT,INTA	1
28	PAFZZ		62534	RD-3-9884-0	. RETAINER,CORE/EVAPO	1
29	KFFZZ		62534	RD-3-8939-0	. GASKET,DRAIN PAN PART OF KIT PART NUMBER RD-11-0155-OP,CAGE 62534	1
30	PAFZZ	5305-01-517-9281	62534	RD-5-4556-1	. SCREW,ASSEMBLED WAS M6	1
31	PAFZZ	5305-01-517-9757	62534	RD-5-5743-0-40	. SCREW,ASSEMBLED WAS M6 X 1.0 - 6G	1
32	PFFZZ		62534	RD-3-8934-0	. COVER,PLUMBING	1
33	PAFZZ	5310-01-517-9443	62534	RD-5-5679-0M	. NUT,CLIP-ON M6	1
34	PAFZZ	4820-01-517-7304	62534	RD-5-11438-0P	. VALVE,EXPANSION	1
35	PAFZZ	5331-01-520-5438	62534	RD-5-4017-013M	. O-RING NO. 8	1
36	PAFZZ	5331-01-531-3975	62534	RD-5-3730-0M	. O-RING NO. 10	1
37	PAFZZ	5340-01-524-2263	62534	RD-5-8410-0	. COVER,ACCESS	1
38	PBFZZ		62534	RD2-3184-1	. HARNESS ASSEMBLY	1
39	PBFZZ		62534	RD-3-10142-0	. WIRE ASSEMBLY,JUMPE	1

END OF FIGURE

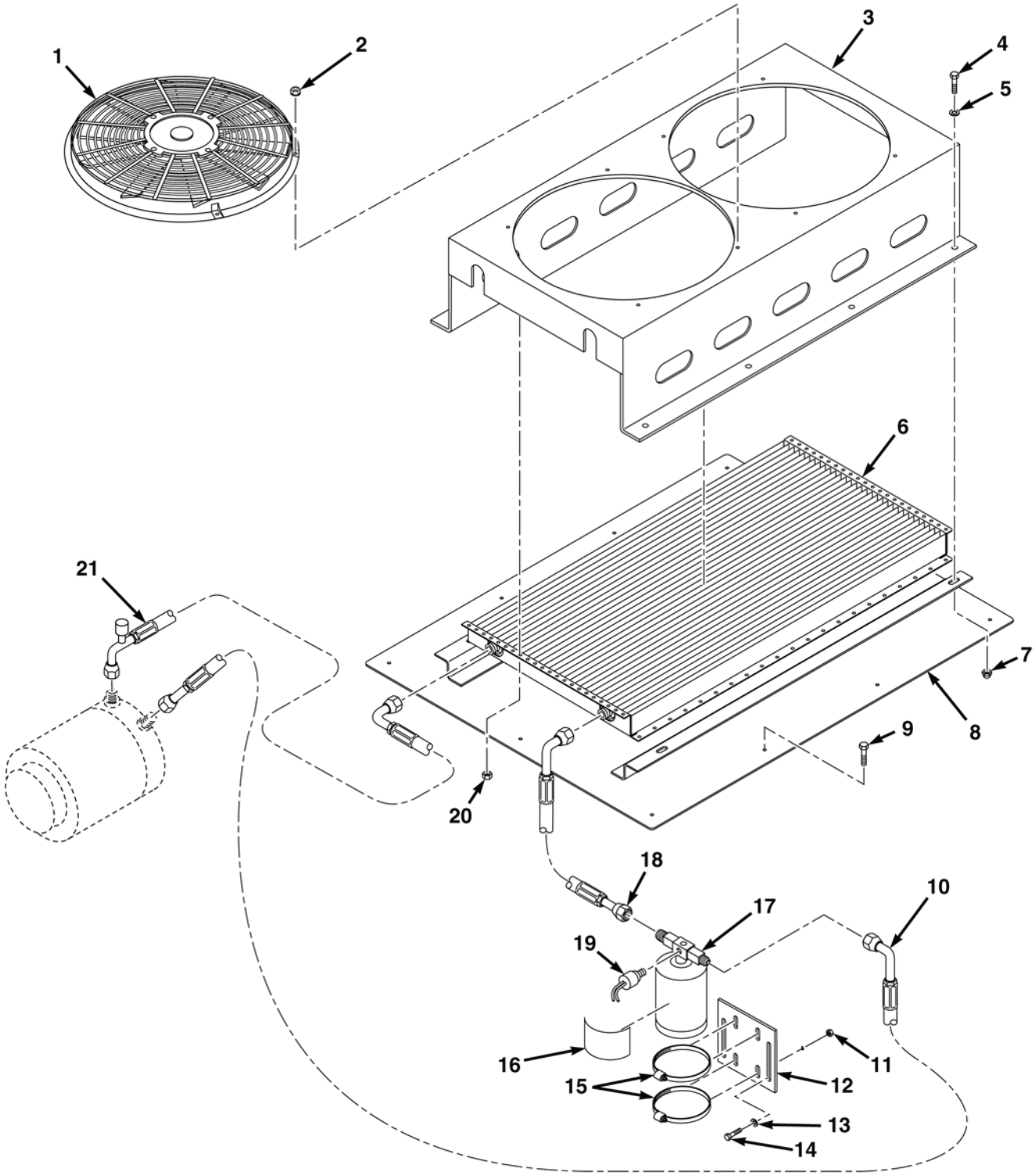


FIG. 8 CREW CAB AIR CONDITIONER CONDENSER INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 52 REFRIGERATION AND AIR CONDITIONING COMPONENTS	
					FIG. 8 CREW CAB AIR CONDITIONER CONDENSER INSTALLATION	
1	PAFZZ		3NZK0	VA10-BP9/C-25A	FAN ASSEMBLY	2
2	PAFZZ	5310-01-557-0654	0Y3H3	1137407	NUT,PLAIN,HEX 10-24	8
3	PAFZZ		3NZK0	MIS536	HOUSING,CONDENSER	1
4	PAFZZ	5306-00-543-4405	80205	MS35307-334	BOLT,MACHINE 5/16-18 X 1	8
5	PAFZZ	5310-01-517-9876	04664	MS 813	WASHER,FLAT 5/16	16
6	PAFZZ		3NZK0	MIS771300	CONDENSER, SUPER FLOW	1
7	PAFZZ	5310-01-466-7850	5T389	H001145	NUT,SELF-LOCKING 5/16-18 NC	8
8	PFFZZ		04664	1355915	PLATE ASSEMBLY,COVE	1
9	PAFZZ	5305-00-732-0512	80204	B1821BH050C075N	SCREW,CAP,HEXAGON HEAD, 1/2-13 X 3/4	10
10	PAFZZ	4720-01-517-8542	62534	RD-2-0815-14-70	HOSE ASSEMBLY,NONME CONDENSER TO RECEIVER	1
11	PAFZZ	5310-00-088-1251	81349	M45913/1-4CG5C	NUT,SELF-LOCKING 1/4-20 NC	2
12	PFFZZ	2590-01-531-3002	62534	RD-4220-0P	BRACKET ASSEMBLY	1
13	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	2
14	PAFZZ	5305-00-082-6721	96906	MS51957-81	SCREW,MACHINE 1/4-20 X 3/4	2
15	PAFZZ	4730-01-517-5373	04664	80-6029-017	CLAMP,HOSE	2
16	PFFZZ		62534	RD-5-6125-0	LABEL,IDENTIFICATIO	1
17	PAFZZ	4130-01-518-0265	62534	RD-5-7063-0	RECEIVER,LIQUID REF	1
18	PAFZZ	4720-01-517-8537	62534	RD-2-1647-24	HOSE ASSEMBLY,NONME RECIEVER TO EVAPORATOR	1
19	PAFZZ	5930-01-518-0290	62534	RD-5-8433-0	SWITCH,PRESSURE	1
20	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	8
21	PAFZZ	4720-01-517-8538	62534	RD-2-1649-29	HOSE ASSEMBLY,NONME	1
					END OF FIGURE	

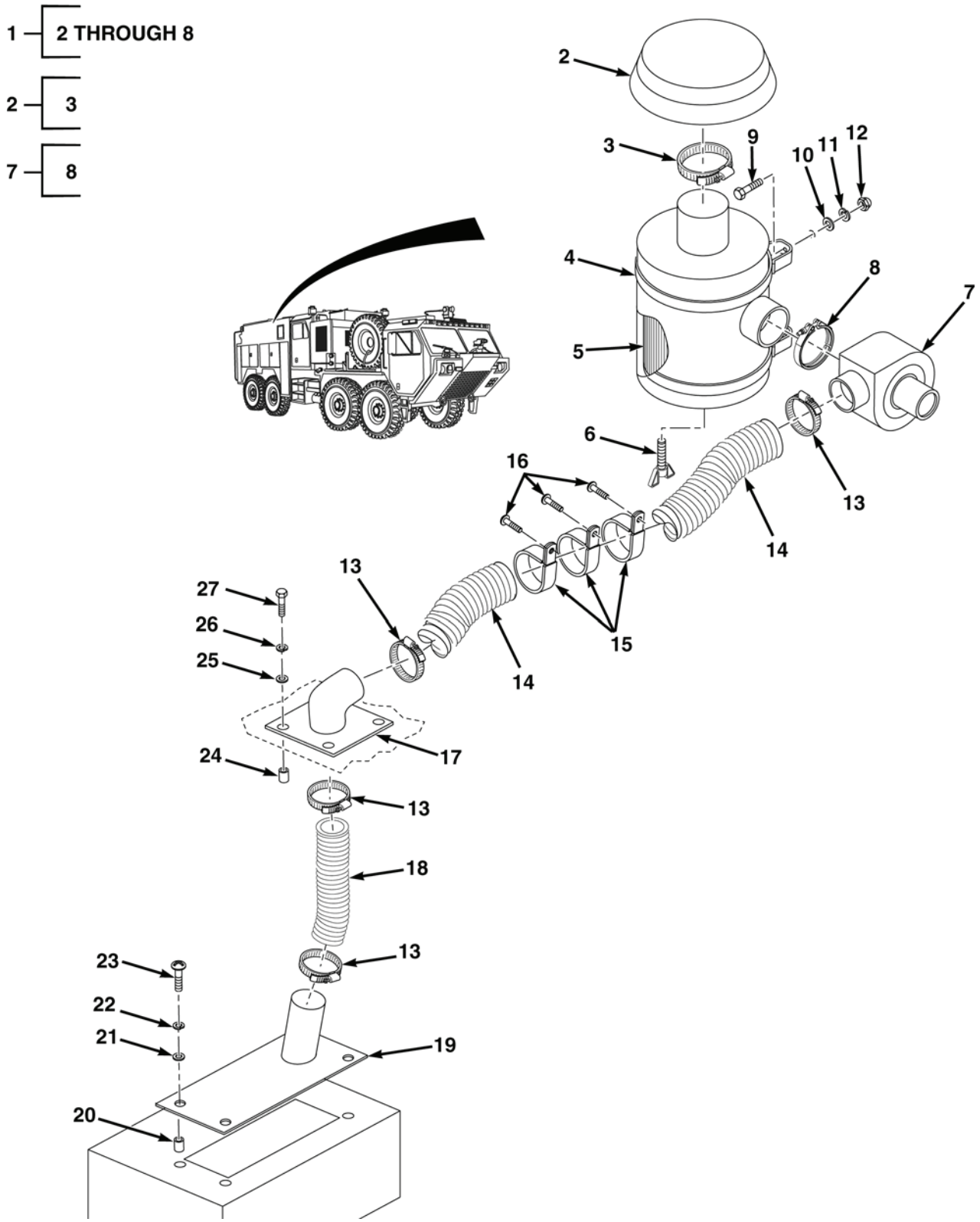


FIG. 9 CREW CAB FRESH AIR INTAKE SYSTEM

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 52 REFRIGERATION AND AIR CONDITIONING COMPONENTS	
					FIG. 9 CREW CAB FRESH AIR INTAKE SYSTEM	
1	PAFZZ		62534	78R5110	FILTER ASSEMBLY REMOTE MOUNT .	1
2	PAFZZ		62534	RD-5-5152-0P	. HOOD	1
3	PAFZZ	4730-00-908-6294	58536	A-A-52506-F-104	. . CLAMP,HOSE	1
4	PAFZZ		62534	RD-5-5150-OP	. BAND	2
5	PAFZZ	2940-01-521-9916	62534	RD-5-5432-0P	. FILTER ELEMENT,INTA.	1
6	PAFZZ	5305-01-022-8972	18265	P01-8464	. THUMBSCREW	1
7	PAFZZ		62534	73R9204	. BLOWER ASSEMBLY, BOOSTER	1
8	PAFZZ		7Z588	BR-TB 400	. . CLAMP,HOSE	1
9	PAFZZ	5305-00-725-2317	80204	B1821BH038C150N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/2.	4
10	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	4
11	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8.	4
12	PAFZZ	5310-00-474-3798	58536	MS24679-7	NUT,PLAIN,CAP 3/8-16	4
13	PAFZZ	4730-00-908-6293	06481	T-218758	CLAMP,HOSE	2
14	PAFZZ		04664	1408566-0002	DUCT,FLEX HOSE 3 IN X 68 IN	1
15	PAFZZ	5340-00-562-2925	45152	2683HX	CLAMP,LOOP	3
16	PAFZZ	5305-00-988-1727	80205	MS35206-283	SCREW,MACHINE 1/4-20 X 1.	3
17	PFFZZ		04664	1407574	PLATE ASSY,AIR INTA	1
18	PAFZZ		04664	1408566-0001	DUCT,FLEX HOSE 3 IN X 52 IN	1
19	PFFZZ		04664	1407826	PLATE ASSY,AIR INTA FRESH AIR	1
20	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	4
21	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10	4
22	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK 10	4
23	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1.00.	4
24	PAFZZ	5325-01-517-2270	04664	82-0257-0002	INSERT,SCREW THREAD .25-20	4
25	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	4
26	PAFZZ	5310-00-582-5965	80205	MS35338-44	WASHER,LOCK .25.	4
27	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON 1/4-20 X 3/4. . .	4
					END OF FIGURE	

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

FUNCTION GROUP CODE 76 - FIREFIGHTING EQUIPMENT COMPONENTS

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DOOR ASSEMBLY, P1	151	0615-380
DOOR ASSEMBLY, P2/P3	152	0615-382
DOOR ASSEMBLY, P4	153	0615-384
DOOR ASSEMBLY, P5	154	0615-386
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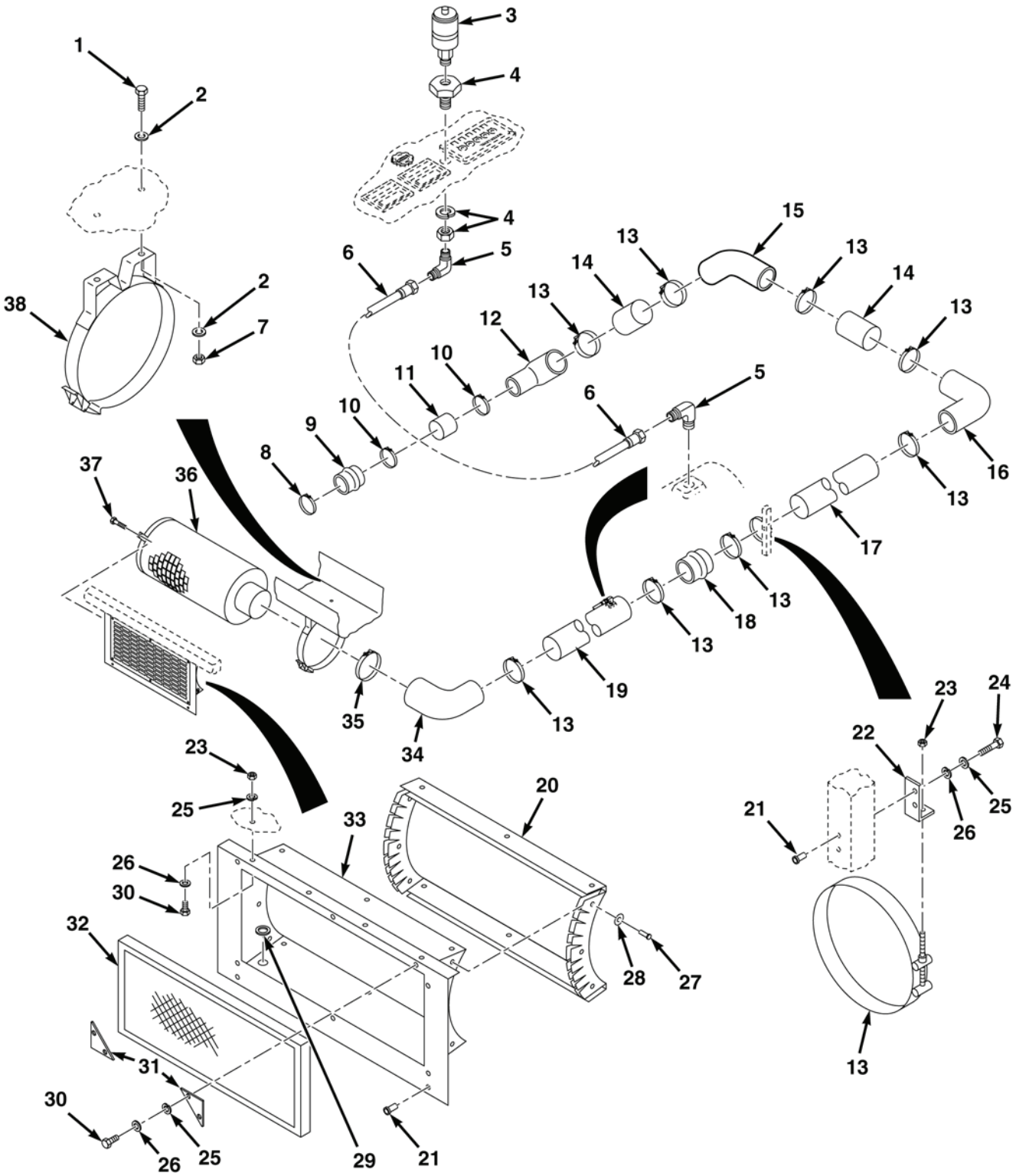


FIG. 10 AIR CLEANER ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 10 AIR CLEANER ASSEMBLY	
1	PAFZZ	5305-00-543-2419	80204	B1821BH038C113N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/8.	4
2	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	8
3	PAFZZ	2940-01-449-7635	18265	X002252	INDICATOR,FILTER WA	1
4	PAFZZ	4730-00-574-8807	93061	207ACBH-2	COUPLING,PIPE	1
5	PAFZZ	4730-00-951-3972	96906	MS51504A4S	ELBOW,PIPE TO TUBE.	1
6	PAFZZ	4720-00-481-9390	13174	C104	HOSE,NONMETALLIC.	54
7	PAFZZ	5310-00-087-4652	81349	M45913/1-6CG5C	NUT,SELF-LOCKING 3/8-12	4
8	PAFZZ	5340-01-517-8590	54646	C412C-75-410-S	BOLT ASSEMBLY,CLAMP 4	1
9	PAFZZ	4720-01-517-8602	64386	1073540	HOSE,NONMETALLIC.	1
10	PAFZZ	5340-01-517-7014	04664	80-6037	CLAMP,LOOP 4.00	2
11	PAFZZ		04664	931096-00750	TUBING	1
12	PAFZZ	4730-01-517-8599	64386	90HL5CR40ST	ELBOW,HOSE	1
13	PAFZZ	5340-01-517-9387	54646	C410C-75-566-S	CLAMP,LOOP	8
14	PAFZZ		04664	931088-00450	TUBING	2
15	PAFZZ	4730-01-517-5340	04664	42-0002	ELBOW,HOSE	1
16	PAFZZ	4720-00-134-4655	19207	11664545	HOSE,PREFORMED.	1
17	PAFZZ		04664	931088-02600	TUBING	1
18	PAFZZ	4720-01-517-8601	64386	3H5	HOSE,NONMETALLIC 5 IN. LG.	1
19	PAFZZ		04664	1365916	TUBE ASSEMBLY	1
20	MFFZZ		04664	943011-24	RUBBER MAKE FROM P/N SK60-08X3X50,CAGE 0ABC1,APPROX 24 IN. LG.	2
21	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	4
22	PFFZZ		04664	1342218	BRACKET,SUPPORT AIR INLET PIPE. .	1
23	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING 1/4-20 NC	23
24	PAFZZ	5305-00-068-0509	80204	B1821BH025C125N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1 1/4.	2
25	PAFZZ	5310-01-103-6042	96906	MS51412-4	WASHER,FLAT 1/4	2
26	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	2
27	PAFZZ	5320-01-418-5864	7J925	ABS56	RIVET,BLIND	16
28	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	16
29	PAFZZ	5325-00-276-5954	96906	MS35489-49	GROMMET,NONMETALLIC.	1
30	PAFZZ	5305-00-071-1318	96906	MS51957-83	SCREW,MACHINE 1/4-20 X 1.	6
31	PFFZZ	5340-01-517-6008	04664	1395914	BRACKET,MOUNTING	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
32	PAFZZ	2940-01-518-8841	04664	40-8723	FILTER ELEMENT,INTA	1
33	PAFZZ		04664	1327917	DUCT ASSEMBLY,AIR	1
34	PAFZZ	4730-01-517-8598	64386	90L60R50SR	ELBOW,HOSE 5.00-6.00 IN. LG	1
35	PAFZZ	5340-01-517-8525	54646	94100-0650	CLAMP,LOOP	1
36	PAFZZ	4310-01-517-2327	18265	P524837	FILTER ELEMENT,INTA	1
37	PAFZZ	5305-00-068-0510	80204	B1821BH038C100N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1	1
38	PFFZZ	5340-01-517-6622	04664	42-6355	BOLT ASSEMBLY,CLAMP	2

END OF FIGURE

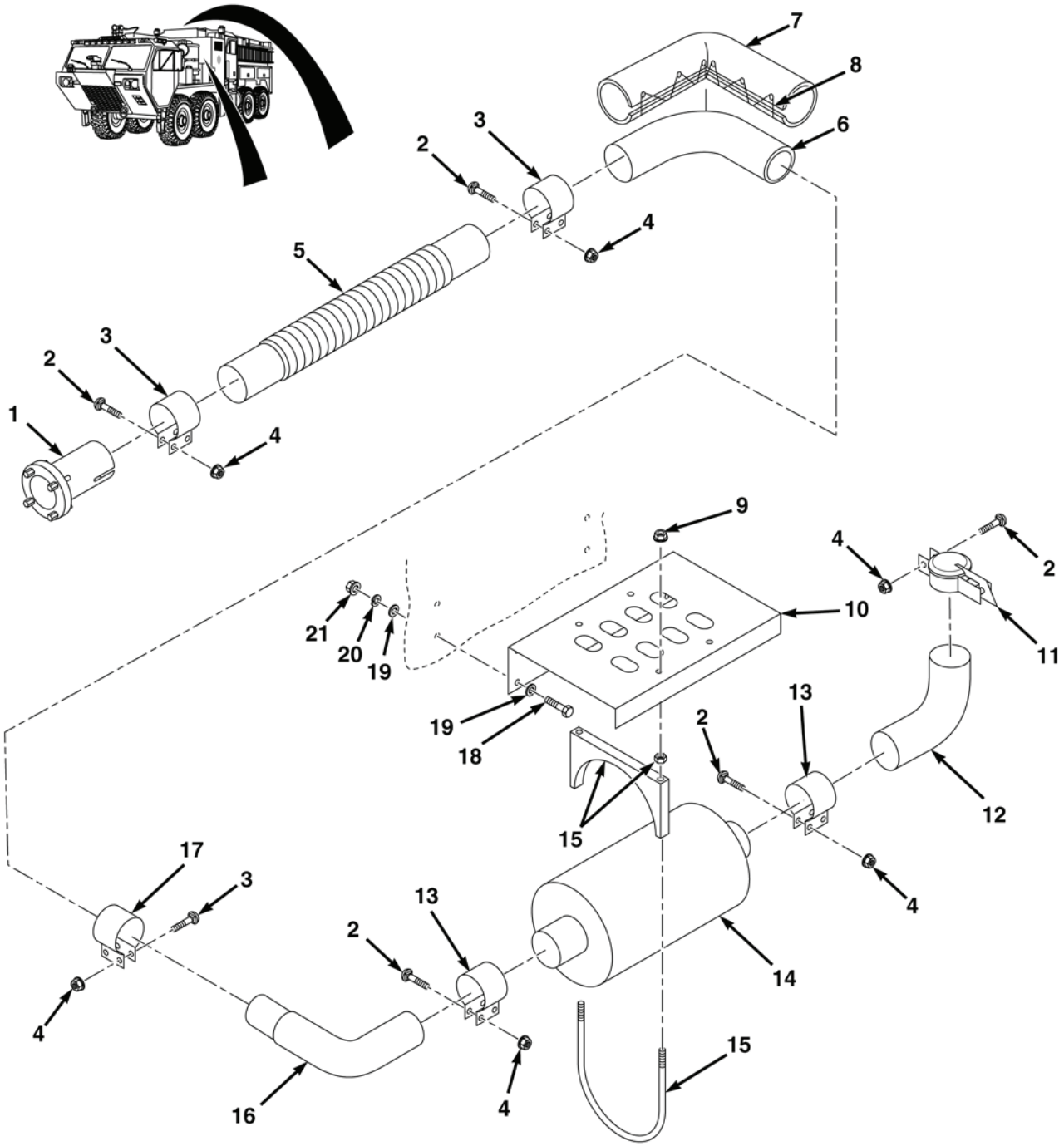


FIG. 11 EXHAUST SYSTEM INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 11 EXHAUST SYSTEM INSTALLATION	
1	PFFZZ		18265	P206367	CONNECTOR,EXHAUST	1
2	PAFZZ	5306-00-012-6452	80205	MS35751-99	BOLT,SQUARE NECK 7/16-14 X 1 1/2	13
3	PAFZZ	5340-01-517-8581	18265	X005921	CLAMP,LOOP	2
4	PAFZZ	5310-01-251-0784	10988	231-5147	NUT,SELF-LOCKING,EX 7/16-14	12
5	PAFZZ	4720-01-517-8973	18265	J240001	HOSE,METALLIC	1
6	PAFZZ	4730-01-517-5289	18265	P206341	ELBOW,PIPE	1
7	PAFZZ	2990-01-517-9893	04664	1344552	GUARD,MUFFLER-EXHAU	1
8	PAFZZ	9505-00-191-3680	81346	ASTM A853	WIRE,NONELECTRICAL	1
9	PAFZZ	5310-00-087-4652	81349	M45913/1-6CG5C	NUT,SELF-LOCKING 3/8-16	4
10	PFFZZ		04664	1341837	BRACKET,MUFFLER DEUTZ MOTOR	1
11	PAFZZ	2990-01-252-6456	18265	P27-0538	CAP ASSEMBLY,PROTEC	1
12	PAFZZ		18265	P207363	ELBOW,PIPE	2
13	PAFZZ		18265	X007831	CLAMP,SEAL 3.5	2
14	PAFZZ		18265	M070069	MUFFLER,EXHAUST	1
15	PAFZZ	5340-01-254-7380	45152	1359480	CLAMP,LOOP	2
16	PAFZZ		04664	1882732	ELBOW,TUBE	1
17	PAFZZ		18265	X004478	CLAMP,SEAL 3.0	1
18	PAFZZ	5305-00-068-0510	80204	B1821BH038C100N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1	4
19	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	4
20	PAFZZ	5310-00-004-5033	80205	MS35338-46	WASHER,LOCK 3/8	4
21	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	4
					END OF FIGURE	

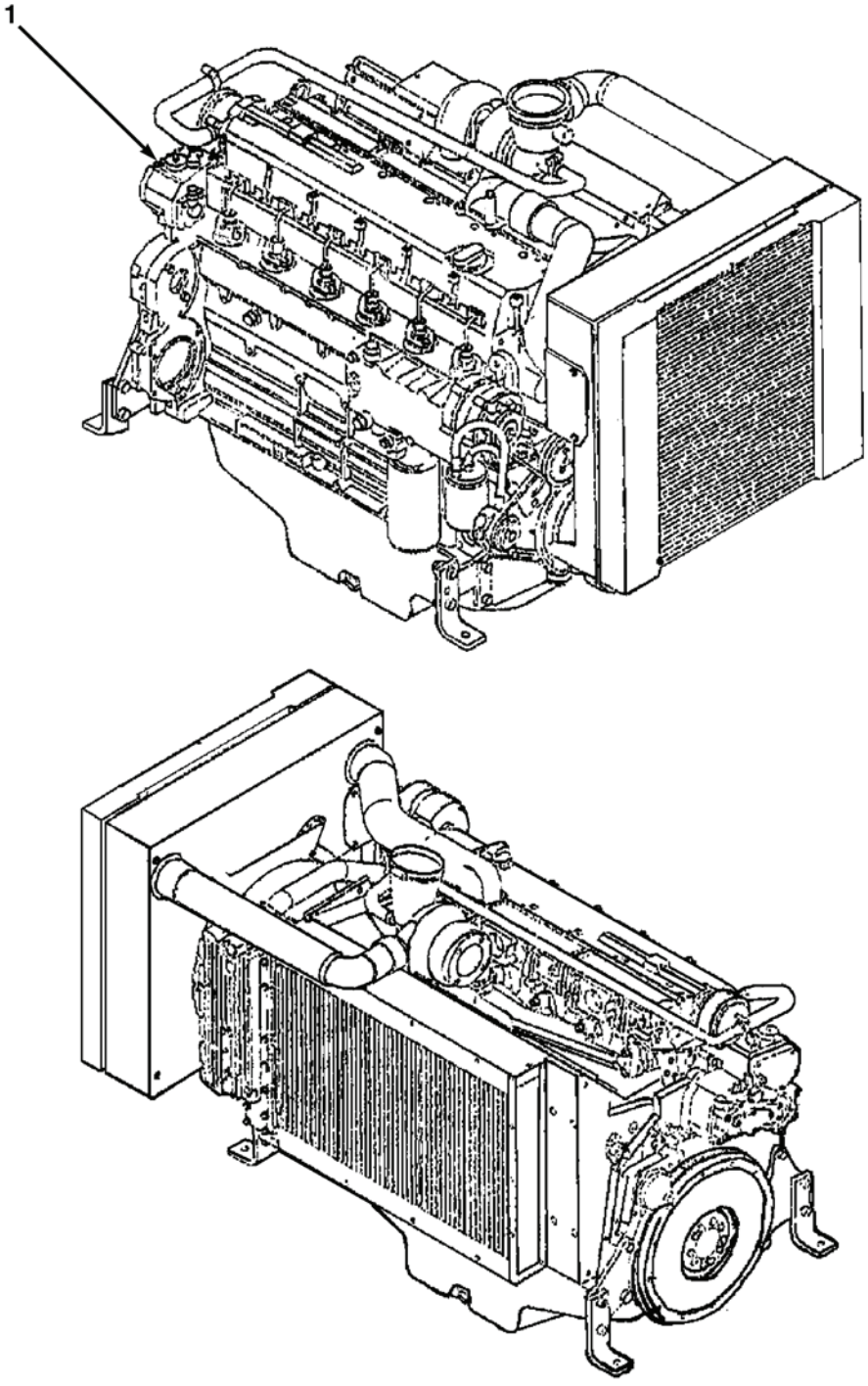


FIG. 12 WATER PUMP ENGINE ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 12 WATER PUMP ENGINE ASSEMBLY	
1	PBFFF	2815-01-518-6603	9N524	BF06M1013C-6783MOD	ENGINE,DIESEL MODEL M1013C	1
					END OF FIGURE	

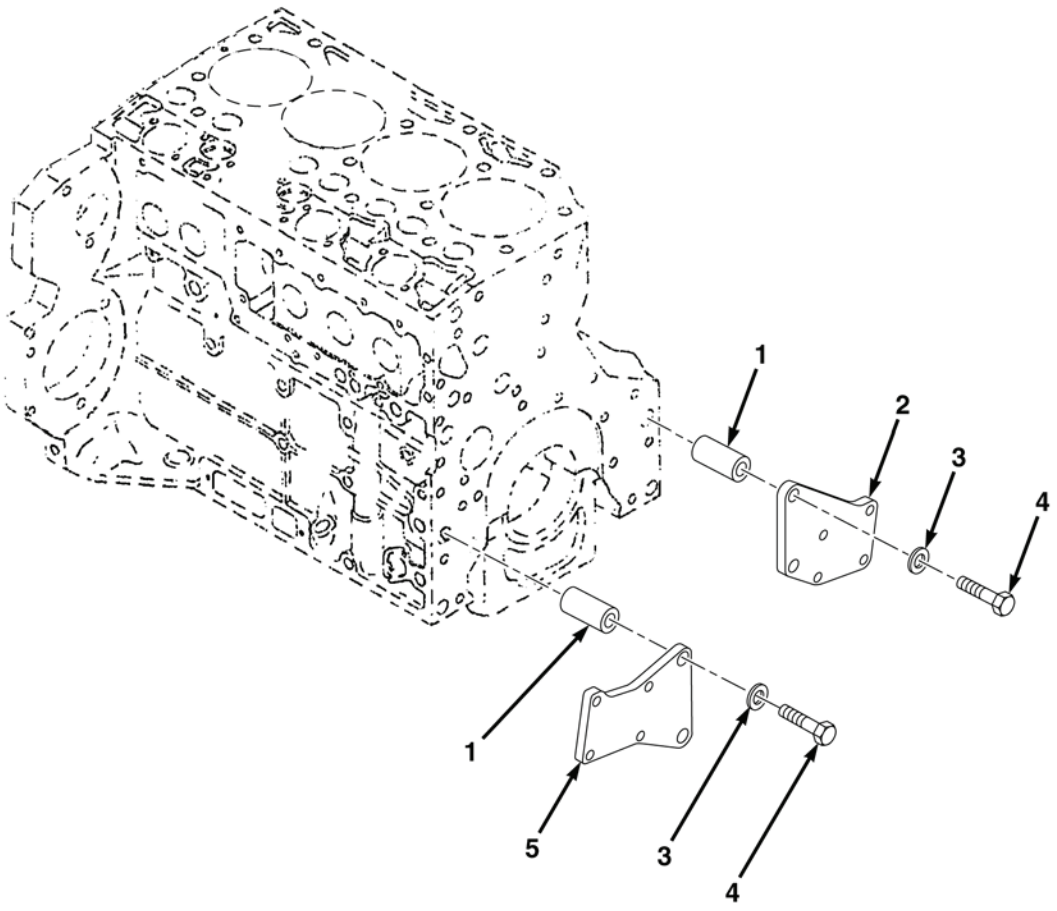


FIG. 13 WATER PUMP ENGINE ASSEMBLY MOUNTING INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 13 WATER PUMP ENGINE ASSEMBLY MOUNTING INSTALLATION	
1	PAFZZ	5365-12-362-4904	D2689	0420 9905	SPACER,SLEEVE	4
2	PFFZZ	5340-12-362-4933	D2689	0420 5884	BRACKET,MOUNTING	1
3	PAFZZ	5310-12-362-5416	D2689	0118 1400	WASHER,FLAT	4
4	PAFZZ	5305-12-362-5818	I9008	ISO4014-M16X110-10.9	SCREW,CAP,HEXAGON HEAD, M16X1.00	4
5	PFFZZ	5340-12-362-4934	D2689	0420 6932	BRACKET,MOUNTING	1
					END OF FIGURE	

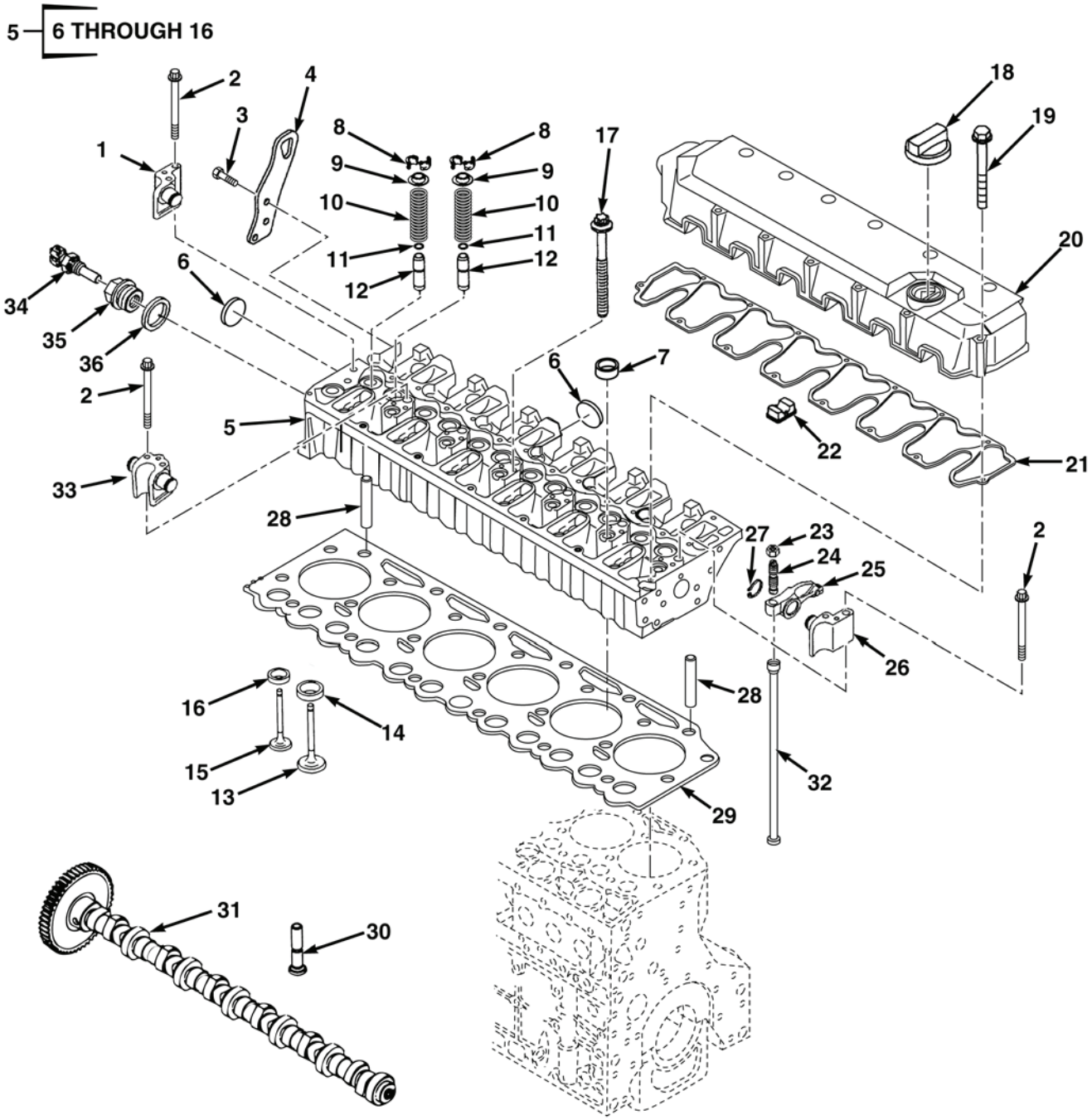


FIG. 14 VALVE COVERS AND CYLINDER HEAD ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 14 VALVE COVERS AND CYLINDER HEAD ASSEMBLY	
1	PFFZZ	2815-12-362-4900	D2689	0420 0961	BRACKET,ROCKER ARM	1
2	PAFZZ	5306-01-545-5168	62445	0118 1435	BOLT,MACHINE	14
3	PAFZZ	5306-01-545-5628	62445	0118 1390	BOLT,MACHINE	3
4	PAFZZ	5340-12-362-6251	D2689	0425 5859	PLATE,MOUNTING	1
5	PAFZZ	2815-12-362-6624	D2689	0425 8234	CYLINDER HEAD,DIESE	1
6	PAFZZ		D2689	0117 9634	. PLUG	5
7	PAFZZ		D2689	0116 5828	. PLUG	5
8	PAFZZ	2815-01-237-8189	62445	12164698	. LOCK, VALVE SPRING RETAINER	24
9	PAFZZ		D2689	0420 0114	. SPRING,RETAINING	12
10	PAFZZ		D2689	0420 0150	. SPRING,COMPRESSION	12
11	PAFZZ		D2689	0115 3857	. SEAL	12
12	PAFZZ		D2689	0420 1238	. GUIDE,VALVE 15.00 MM	12
12	PAFZZ		D2689	0293 4437	. GUIDE,VALVE 15.25 MM	12
12	PAFZZ		D2689	0293 4438	. GUIDE,VALVE 15.50 MM	12
13	PAFZZ		D2689	0425 5254	. VALVE,INLET	6
14	PAFZZ		D2689	0425 2442	. INSERT 49.09 MM	6
14	PAFZZ		D2689	0293 4449	. INSERT 49.29 MM	6
14	PAFZZ		D2689	0293 4450	. INSERT	6
15	PAFZZ		D2689	0425 5255	. VALVE,EXHAUST	6
16	PAFZZ		D2689	0425 2443	. INSERT 43.60 MM	6
16	PAFZZ		D2689	0293 4446	. INSERT 43.80 MM	6
16	PAFZZ		D2689	0293 4447	. INSERT 44.00 MM	6
17	PAFZZ	5305-12-362-6068	D2689	0420 2005	SCREW,CAP,HEXAGON H	26
18	PAFZZ	2930-01-398-3052	62445	01179630	CAP,FILLER OPENING	1
19	PAFZZ	5306-12-362-6067	I9006	EN1662-M6X95-F-10.9-A2P	BOLT,MACHINE	13
20	PFFZZ	2815-12-362-6066	D2689	0420 6924	COVER,ENGINE POPPET	1
21	PAFZZ	5330-12-361-9043	D2689	0420 5894	GASKET	1
22	PAFZZ	5340-12-362-4776	D2689	0420 6948	CAP,PROTECTIVE,DUST	1
23	PAFZZ	5310-12-334-4063	D2689	0210 9637	NUT,PLAIN,HEXAGON	12
24	PAFZZ	2815-12-123-0936	D2689	0336 5861	SCREWS,SPECIAL	12
25	PAFZZ	2815-14-515-3745	F5878	0420 4023	ROCKER ARM,ENGINE	12
26	PFFZZ	2815-12-362-6627	D2689	0420 0959	BRACKET,ROCKER ARM	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
27	PAFZZ	5325-12-126-3410	D8286	DIN471-21X1,2	RING,RETAINING	12
28	PAFZZ	5315-12-362-5918	D2689	0118 1403	PIN,SPRING	2
29	PAFZZ	5330-12-362-8768	D2689	0420 1560	GASKET 2 HOLE	1
29	PAFZZ	5330-12-361-9044	D2689	0420 1559	GASKET 1 HOLE	1
29	PAFZZ	5330-12-362-7528	D2689	0420 1561	GASKET 3 HOLE	1
30	PAFZZ		D2689	0425 1063	TAPPET	30
31	PFFZZ		D2689	0429 3673	CAMSHAFT	1
32	PAFZZ	2815-12-362-6626	D2689	0420 6378	PUSH ROD,ENGINE POP	12
33	PFFZZ	2815-12-362-4899	D2689	0420 0960	BRACKET,ROCKER ARM	5
34	PAFZZ		D2689	0421 3839	TRANSMITTER,TEMP	1
35	PAFZZ		D2689	0419 9761	NIPPLE,ADAPTER	1
36	PAFZZ	5330-12-156-4838	D8286	DIN7603-A26X31-C	GASKET	1

END OF FIGURE

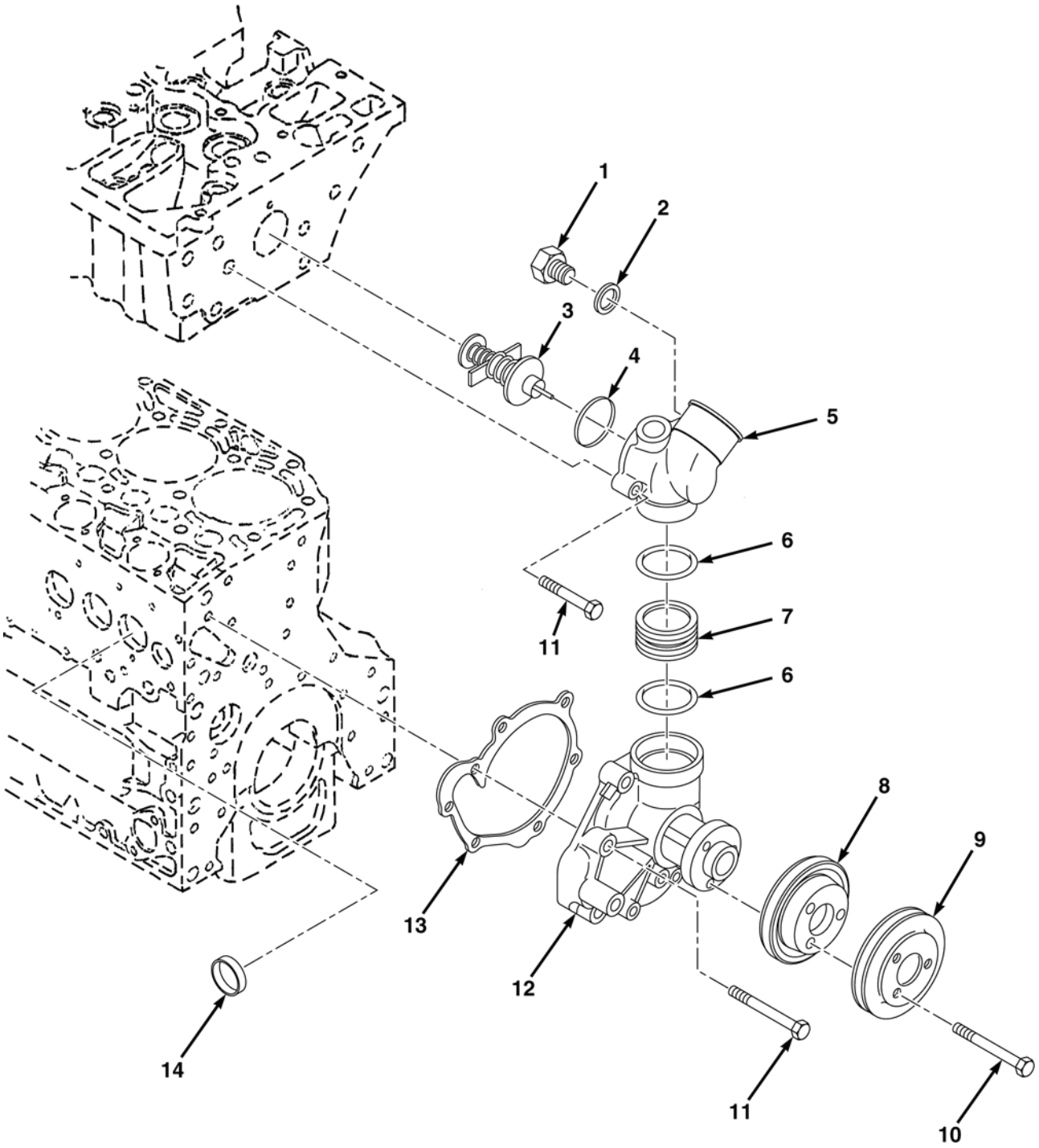


FIG. 15 WATER PUMP ASSEMBLY INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 15 WATER PUMP ASSEMBLY INSTALLATION	
1	PAFZZ	5365-12-362-5917	D2689	0420 4876	PLUG,MACHINE THREAD	1
2	PAFZZ	5330-12-122-0605	D8286	DIN7603-A10X16-A	GASKET	1
3	PAFZZ	6685-12-363-1597	D2689	0420 4796	THERMOSTAT,FLOW CON	1
4	PAFZZ	5331-12-362-8766	D2689	0118 0060	O-RING	1
5	PAFZZ	6685-12-355-7080	D2689	04198792	THERMOSTAT,FLOW CON	1
6	PAFZZ	5331-12-362-8767	D2689	0118 0277	O-RING	2
7	PAFZZ	4730-12-362-6769	D2689	0420 0486	SPACER,FLEXIBLE,PIP	1
8	PAFZZ	3020-12-362-7244	D2689	0420 9610	PULLEY,GROOVE	1
9	PAFZZ	3020-12-362-7245	D2689	0420 9758	PULLEY,GROOVE	1
10	PAFZZ	5306-12-361-0975	D2689	0118 1433	BOLT,MACHINE	3
11	PAFZZ	5306-12-361-9468	I9006	EN1662-M8X35-F-10.9-A2P	BOLT,MACHINE	9
12	PAFZZ		D2689	0425 9547	PUMP,COOLING SYSTEM	1
13	PAFZZ	5330-12-361-9040	D2689	0419 8968	GASKET	1
14	PAFZZ	5340-12-362-4938	D2689	0117 9635	PLUG,EXPANSION	10
					END OF FIGURE	

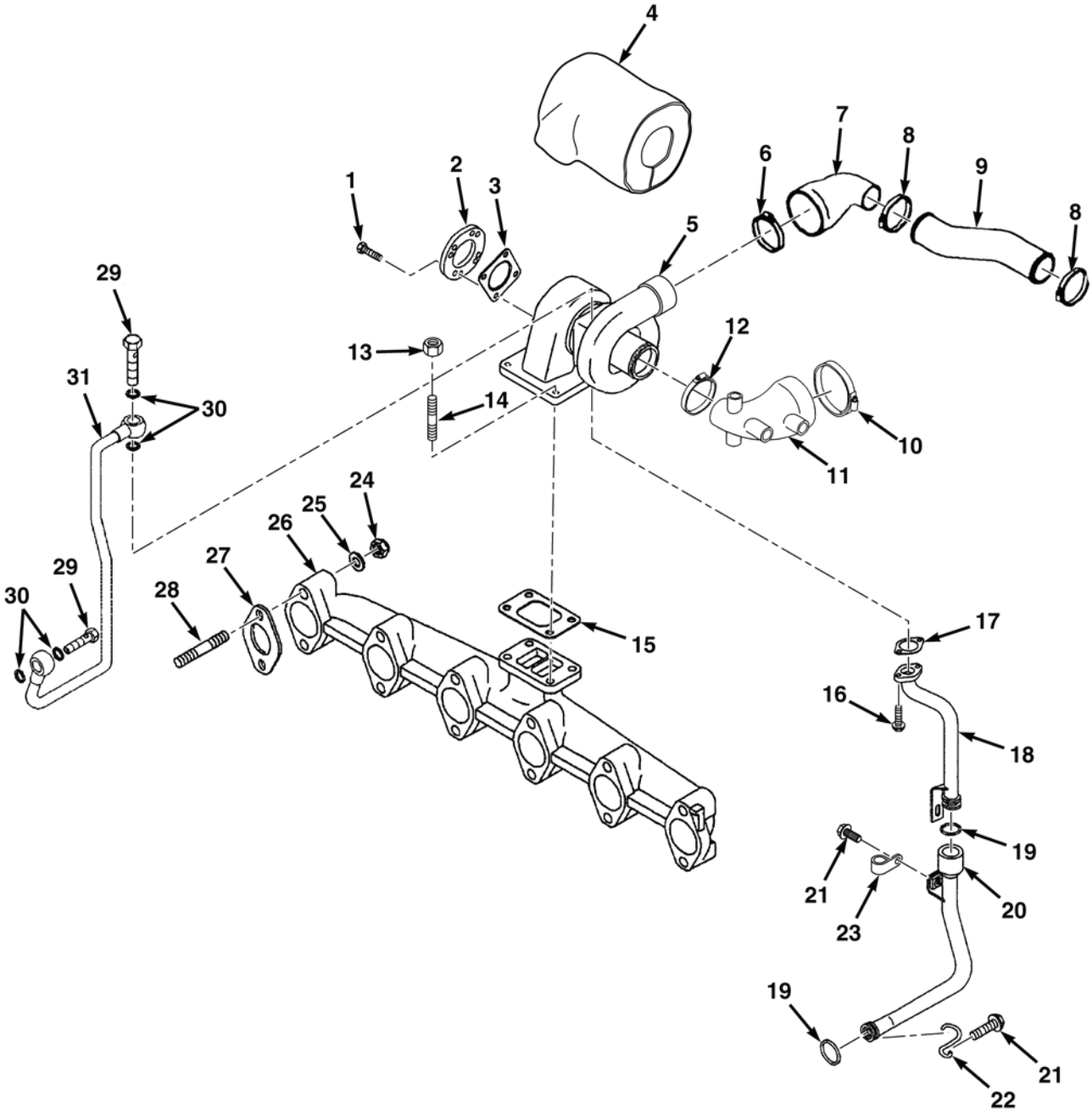


FIG. 16 TURBOCHARGER MOUNTING INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 16 TURBOCHARGER MOUNTING INSTALLATION	
1	PAFZZ	5305-12-151-9157	D2689	0170-41-65-06	SCREW,CAP,HEXAGON H	4
2	PAFZZ	5365-12-362-4931	D2689	0420 4571	SPACER,PLATE	1
3	PAFZZ	5330-12-360-5859	D2689	0420 9203	GASKET	1
4	PAFZZ	2835-01-518-1250	61277	401DZ1174	INSULATION BLANKET	1
5	PBFZZ		D2689	0425 9450	TURBOSUPERCHARGER	1
6	PAFZZ		D8286	0114 8605	CLAMP,HOSE	1
7	PAFZZ		D2689	0425 3378	ELBOW,CHARGE AIR	1
8	PAFZZ		D2689	0114 8606	CLAMP,HOSE	2
9	PAFZZ		D2689	0429 1502	PIPE,CHARGE AIR	1
10	PAFZZ	4730-12-195-2871	D8286	DIN3017-A-90-110X13-W2-W	CLAMP,HOSE	1
11	PAFZZ		D2689	0425 7229	MANIFOLD	1
12	PAFZZ	4730-12-324-6719	D2689	0112 8276	CLAMP,HOSE	1
13	PAFZZ	5310-12-330-4708	D8286	DIN934-M10-1.770	NUT,PLAIN,HEXAGON	4
14	PAFZZ	5307-12-362-5813	D2686	DIN939-M10X25-1.7709	STUD,PLAIN	4
15	PAFZZ		D2689	0428 3302	GASKET	1
16	PAFZZ	5306-12-361-0975	D2689	0118 1433	BOLT,MACHINE	2
17	PAFZZ	5330-12-328-8836	D2689	0418 2520	GASKET	1
18	PAFZZ	4710-12-362-4894	D2689	0420 5946	TUBE ASSEMBLY,METAL	1
19	PAFZZ		D2689	0118 0811	O-RING	2
20	PAFZZ	4710-12-362-4893	D2689	0425 1290	TUBE ASSEMBLY,METAL	1
21	PAFZZ	5306-12-361-9458	D2689	0118 1436	BOLT,MACHINE	2
22	PAFZZ	5340-12-362-1498	D2689	0425 5857	EYE HOOK	1
23	PAFZZ	5340-12-346-0141	D2689	H3223-C10X20-ST/MVQ-1-70	CLAMP,LOOP	1
24	PAFZZ	5310-12-362-5414	D2689	0118 2036	NUT,PLAIN,HEXAGON	12
25	PAFZZ	5310-12-362-5415	D2689	0419 7422	WASHER,FLAT	12
26	PAFZZ	2815-12-362-6623	D2689	0428 2961	MANIFOLD,EXHAUST	1
27	PAFZZ	5330-12-362-7395	D2689	0420 9198	GASKET	6
28	PAFZZ	5307-12-166-7871	D2689	0214 3324	STUD,STEPPED	12
29	PAFZZ	4730-12-189-4090	D8286	DIN7643-10-1.0501-A4C	BOLT,FLUID PASSAGE	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
30	PAFZZ	5330-12-156-4522	D8286	DIN7603-A14X18-C	GASKET	4
31	PAFZZ	4710-12-362-4892	D2689	0425 9469	TUBE ASSEMBLY,METAL	1

END OF FIGURE

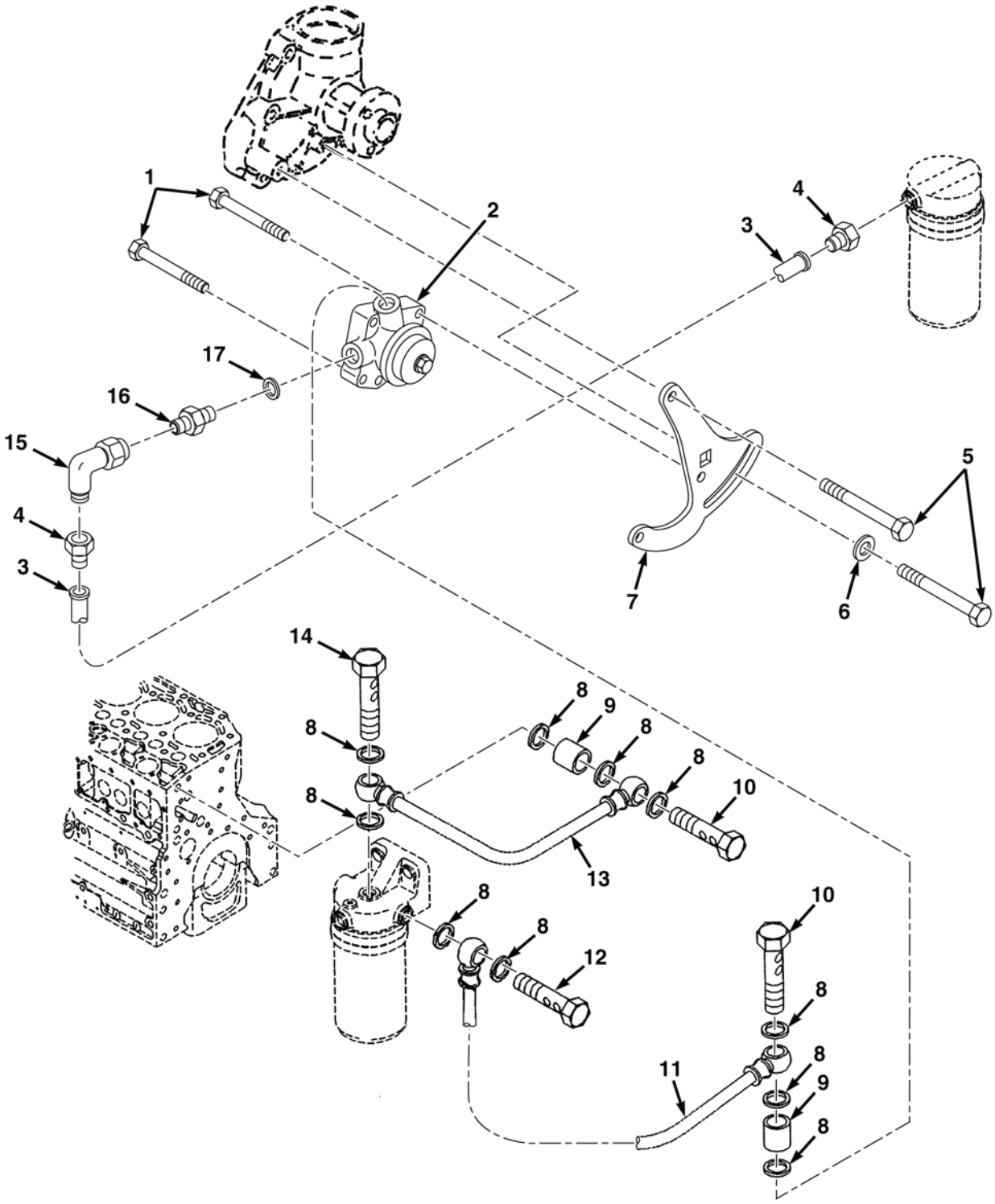


FIG. 17 FUEL PUMP ASSEMBLY INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 17 FUEL PUMP ASSEMBLY INSTALLATION	
1	PAFZZ	5305-12-362-5812	I9008	ISO4762-M8X25-8.	SCREW,CAP,SOCKET	2
2	PAFZZ	2910-12-363-8196	D2689	0211 1299	PUMP,FUEL,CAM ACTUA	1
3	MFFZZ		04664	930178-120	HOSE,FUEL MAKE FROM P/N FC647-6GRN, CAGE 00624,APPROX 120 IN. LG.	1
4	PAFZZ	4730-01-035-1429	87373	30682-6-6	ADAPTER,STRAIGHT,TU TUBE TO HOSE	2
5	PAFZZ	5305-12-346-2181	I9008	ISO4017-M8X20-10.9-A4C	SCREW,CAP,HEXAGON	2
6	PAFZZ	5310-12-143-1138	D8286	8,4DIN7349-ST-A3	WASHER,FLAT	1
7	PFFZZ	5340-12-362-4930	D2689	0211 1370	BRACKET,MOUNTING	1
8	PAFZZ	5330-12-156-4523	D8286	DIN7603-A14X20-C	GASKET	10
9	PAFZZ	5365-14-515-3674	F5878	0414 1419	SPACER,SLEEVE	2
10	PAFZZ	4730-14-515-3619	F5878	0117 8626	CONNECTOR,MULTIPLE	2
11	PAFZZ	4720-12-363-7443	D2689	0118 0505	HOSE ASSEMBLY,NONME	1
12	PAFZZ	4730-14-525-7403	F5878	01180412	BOLT,FLUID PASSAGE	1
13	PAFZZ	4720-12-363-7444	D2689	0118 0504	HOSE ASSEMBLY,NONME	1
14	PAFZZ	4730-12-189-4090	D8286	DIN7643-10-1.0501-A4C	BOLT,FLUID PASSAGE	1
15	PAFZZ	4730-01-360-0226	98441	3903-6-6	ELBOW,TUBE	1
16	PAFZZ	4730-01-517-8584	1ET59	MC5315X6X216	ADAPTER,STRAIGHT,PI FUEL LINES	1
17	PAFZZ	5330-12-156-4524	D8286	DIN7603-A16X20-C	GASKET	2
					END OF FIGURE	

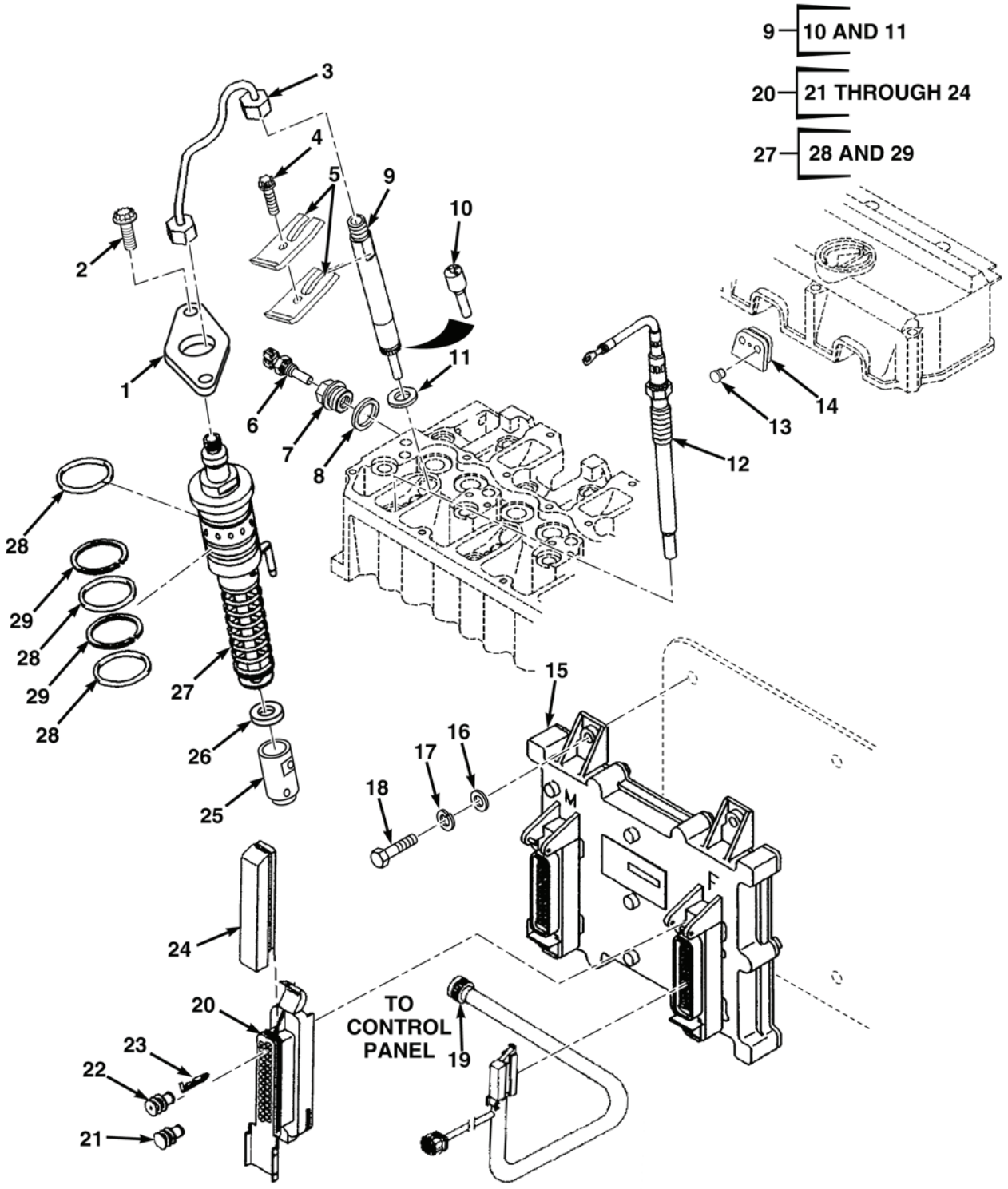


FIG. 18 FUEL INJECTOR ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 18 FUEL INJECTOR ASSEMBLY	
1	PAFZZ		D2689	0211 2400	FLANGE	12
2	PAFZZ		D2689	0118 1763	SCREW,COLLAR	12
3	PAFZZ	4710-12-361-7865	D2689	0211 1918	TUBE ASSEMBLY,METAL	6
4	PAFZZ	5306-12-362-5822	D2689	0118 1443	BOLT,MACHINE	6
5	PAFZZ	2910-12-362-4069	D2689	0420 1666	HOLDER,FUEL INJECTO	12
6	PAFZZ		D2689	0421 3839	TRANSMITTER,TEMP	1
7	PAFZZ		D2689	0419 9761	NIPPLE,ADAPTER	1
8	PAFZZ	5330-12-156-4838	D8286	DIN7603-A26X31-C	GASKET	1
9	PAFZZ	2910-12-362-4067	D8015	0432191327	HOLDER,FUEL INJECTO	6
10	PAFZZ	2910-12-362-4068	D8015	0433171779	. NOZZLE,FUEL INJECTI	1
11	PAFZZ	5330-12-349-0396	D2689	0417 5610	. GASKET	4
12	PAFZZ		D2689	0118 2265	GLOW PLUG	1
13	PAFZZ		D2689	0116 7310	PLUG	6
14	PAFZZ	5325-12-362-4936	D2689	0419 8035	GROMMET,NONMETALLIC	6
15	PAFZZ		D2689	0419 4998	REGULATOR-CONTROL,E	1
16	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	4
17	PAFZZ	5310-00-407-9566	80205	MS35338-45	WASHER,LOCK 5/16	4
18	PAFZZ	5305-00-071-2511	80204	B1821BH025C200N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 2	4
19	PAFZZ		D2689	0421 3152	CABLE,INTERCONNECT	1
20	PAFZZ		D2689	0419 9602	CONNECTOR,PLUG	1
21	PAFZZ		D2689	04190860	. PLUG,BLANK	15
22	PAFZZ		D2689	04190853	. PLUG,END CONNECTOR	22
23	PAFZZ		D2689	04190852	. TERMINAL,FEMALE	21
24	PFFZZ		D2689	0418 9582	. COVER,HOUSING	1
25	PAFZZ		D2689	0211 2963	TAPPET,ROLLER	6
26	PAFZZ		D2689	0211 3037	SHIM 5.40 MM	1
26	PAFZZ		D2689	0211 3038	SHIM 5.45 MM	1
26	PAFZZ		D2689	0211 3039	SHIM 5.50 MM	1
26	PAFZZ		D2689	0211 3040	SHIM 5.55 MM	1
26	PAFZZ		D2689	0211 3041	SHIM 5.60 MM	1
26	PAFZZ		D2689	0211 3042	SHIM 5.65 MM	1
26	PAFZZ		D2689	0211 3043	SHIM 5.70 MM	1
26	PAFZZ		D2689	0211 3044	SHIM 5.75 MM	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
26	PAFZZ		D2689	0211 3030	SHIM 5.05 MM	1
26	PAFZZ		D2689	0211 3031	SHIM 5.10 MM	1
26	PAFZZ		D2689	0211 3032	SHIM 5.15 MM	1
26	PAFZZ		D2689	0211 3033	SHIM 5.20 MM	1
26	PAFZZ		D2689	0211 3034	SHIM 5.25 MM	1
26	PAFZZ		D2689	0211 3035	SHIM 5.30 MM	1
26	PAFZZ		D2689	0211 3036	SHIM 5.35 MM	1
26	PAFZZ		D2689	0211 3045	SHIM 5.80 MM	1
26	PAFZZ		D2689	0211 3046	SHIM 5.85 MM	1
26	PAFZZ		D2689	0211 3047	SHIM 5.90 MM	1
26	PAFZZ		D2689	0211 3048	SHIM 5.95 MM	1
26	PAFZZ		D2689	0211 3049	SHIM 6.00 MM	1
26	PAFZZ		D2689	0211 3050	SHIM 6.05 MM	1
26	PAFZZ		D2689	0211 3051	SHIM 6.10 MM	1
26	PAFZZ		D2689	0211 3052	SHIM 6.15 MM	1
26	PAFZZ		D2689	0211 3026	SHIM 4.85 MM	1
26	PAFZZ		D2689	0211 3027	SHIM 4.90 MM	1
26	PAFZZ		D2689	0211 3028	SHIM 4.95 MM	1
26	PAFZZ		D2689	0211 3029	SHIM 5.00 MM	1
26	PAFZZ		D2689	0211 3023	SHIM 4.70 MM	1
26	PAFZZ		D2689	0211 3024	SHIM 4.75 MM	1
26	PAFZZ		D2689	0211 3025	SHIM 4.80 MM	1
26	PAFZZ		D2689	0211 3022	SHIM 4.65 MM	1
26	PAFZZ		D2689	0211 3056	SHIM 6.35 MM	1
26	PAFZZ		D2689	0211 3057	SHIM 6.40 MM	1
26	PAFZZ		D2689	0211 3053	SHIM 6.20 MM	1
26	PAFZZ		D2689	0211 3054	SHIM 6.25 MM	1
26	PAFZZ		D2689	0211 3055	SHIM 6.30 MM	1
27	PAFZZ		D2689	0211 3001	PUMP,FUEL INJECTION	6
28	PAFZZ		D2689	0131 9139	. O-RING.	18
29	PAFZZ		D2689	0131 9140	. SHIM.	12

END OF FIGURE

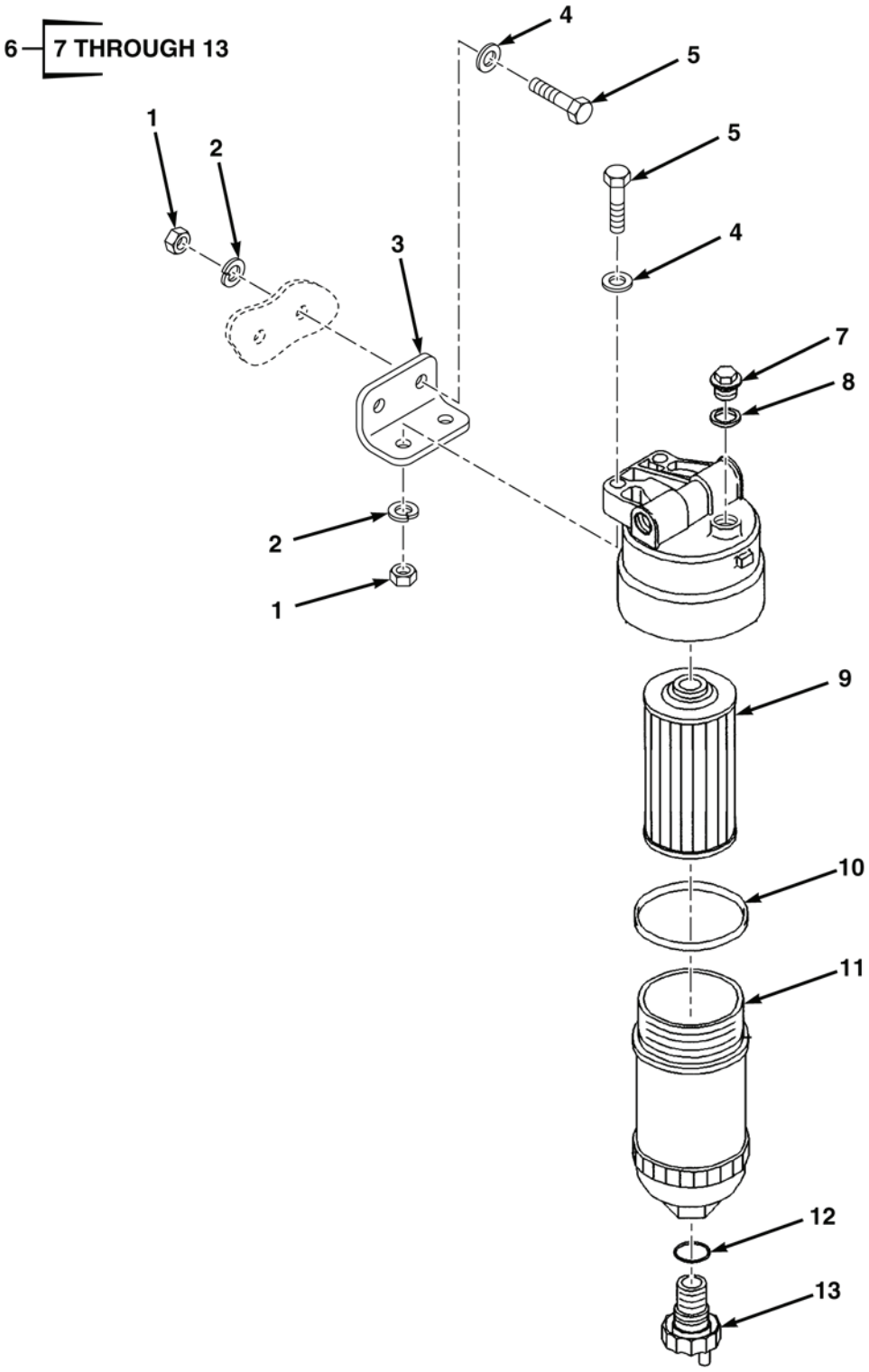


FIG. 19 FUEL PRE-FILTER ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 19 FUEL PRE-FILTER ASSEMBLY	
1	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	4
2	PAFZZ	5310-00-637-9541	80045	23MS35338-46	WASHER,LOCK 3/8	4
3	PFFZZ		04664	1346510	BRACKET,MOUNTING PRIMARY FUEL FILTER	1
4	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	4
5	PAFZZ	5305-00-543-2866	80204	B1821BH038C250N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 2 1/2	4
6	PAFFZ		D2689	0211 3159	FILTER,FLUID	1
7	PAFZZ	5365-12-308-3094	D8286	DIN7604-A-M14X1,5-ST-A4C	. PLUG,MACHINE THREAD	1
8	PAFZZ	5330-12-156-4522	D8286	DIN7603-A14X18CU	. GASKET	1
9	PAFZZ	2910-12-360-6787	D2689	0134 0130	. FILTER ELEMENT,FLUI	1
10	PAFZZ	5331-12-362-1571	D9741	722 202 011	. O-RING	1
11	PAFZZ	2910-12-362-5060	D2689	0134 0075	. FILTER BODY,FLUID	1
12	PAFZZ	5331-12-362-7396	D2689	0134 0131	. O-RING	1
13	PAFZZ	4820-12-362-6625	D2689	0131 9862	. COCK,DRAIN	1
					END OF FIGURE	

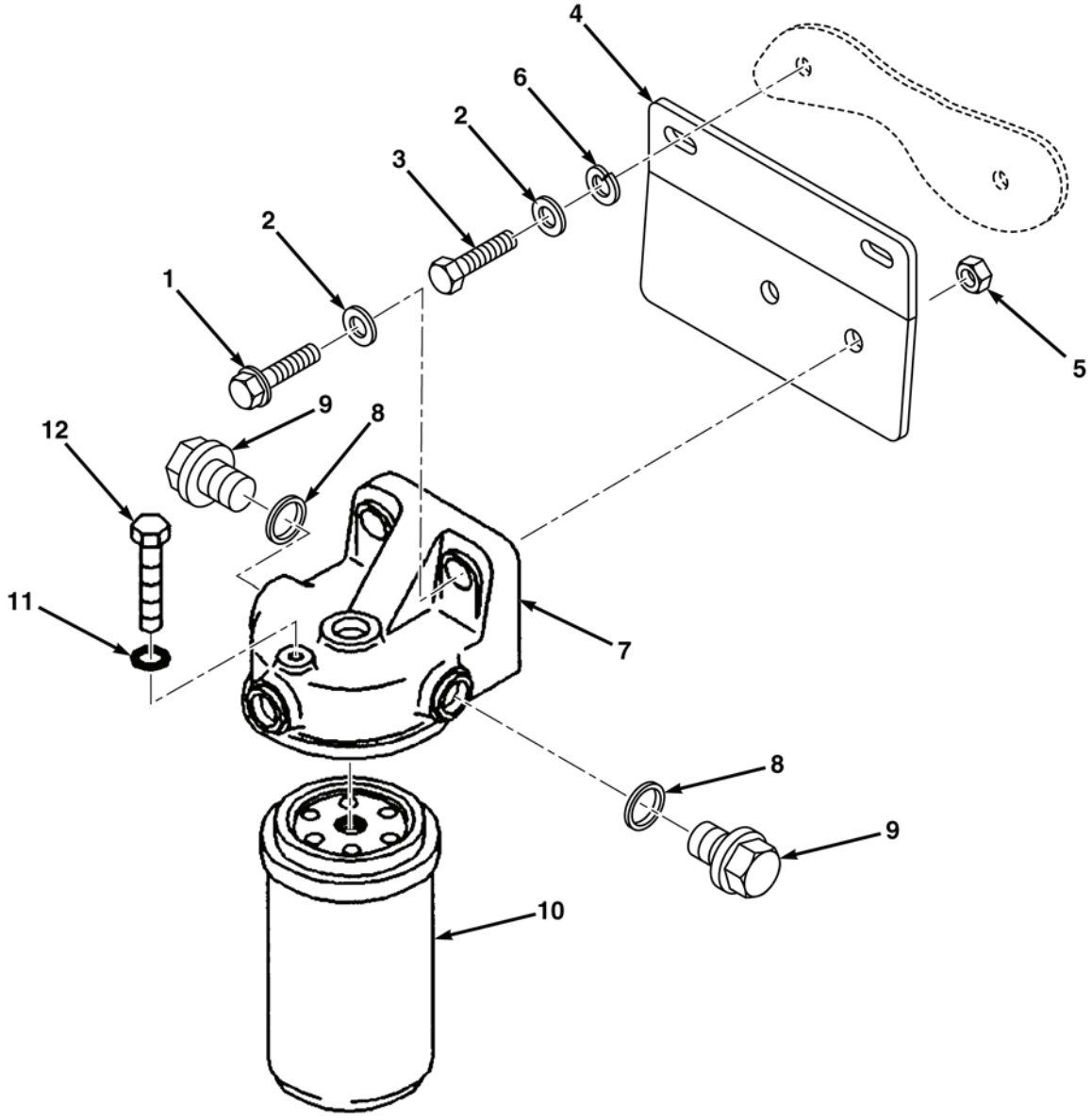


FIG. 20 FUEL FILTER ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 20 FUEL FILTER ASSEMBLY	
1	PAFZZ	5306-12-362-5821	D2689	0118 1432	BOLT,MACHINE	2
2	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	4
3	PAFZZ	5305-00-543-2419	80204	B1821BH038C113N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/8	2
4	PFFZZ		04664	1342852	BRACKET,MOUNTING FUEL FILTER	1
5	PAFZZ	5310-01-477-8639	39428	90640A131	NUT,SELF-LOCKING 3/8-16	2
6	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	2
7	PAFZZ	2910-12-156-2138	D1560	01409888	HEAD,FLUID FILTER	1
8	PAFZZ	5330-12-156-4523	D8286	DIN7603-A14X20-C	GASKET	2
9	PAFZZ	5365-12-362-5417	D8286	DIN910-M14X1,5-ST-ZNAL-A	PLUG,MACHINE THREAD	2
10	PAFZZ	4330-14-515-3627	F5878	0118 0597	FILTER,FLUID SPIN-ON	1
11	PAFZZ	5330-12-156-4516	D8286	DIN7603-A6X10-CU	GASKET	1
12	PAFZZ	5305-12-348-6727	D8046	304017006034	SCREW,CAP,HEXAGON H	1
					END OF FIGURE	

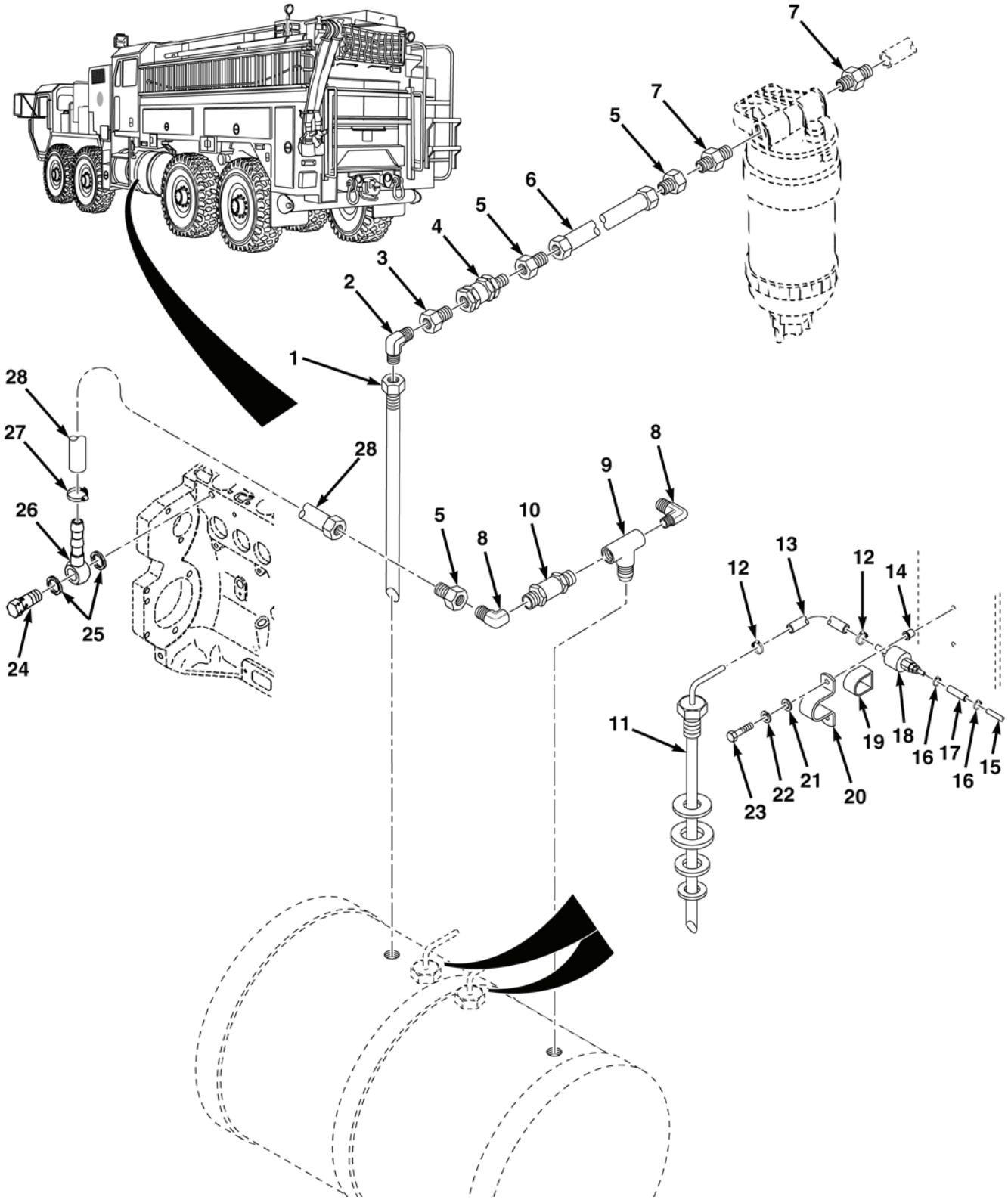


FIG. 21 HEATER FUEL TANK PICK-UP INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 21 HEATER FUEL TANK PICK-UP INSTALLATION	
1	PAFZZ		04664	1365906	TUBE,PICKUP,FUEL	1
2	PAFZZ	4730-00-844-1379	81343	6-6 140237C	ELBOW,PIPE	1
3	PAFZZ	4730-01-517-8532	93061	02306-6	ADAPTER,STRAIGHT,TU	1
4	PAFZZ	4820-01-517-8529	93061	2625	VALVE,CHECK	1
5	PAFZZ	4730-01-035-1429	87373	30682-6-6	ADAPTER,STRAIGHT,TU	3
6	MFFZZ		04664	930178-120	HOSE,FUEL MAKE FROM P/N FC647-6GRN,CAGE 00624,APPROX 120 IN. LG.	1
7	PAFZZ	4730-01-517-8584	1ET59	MC5315X6X216	ADAPTER,STRAIGHT,PI	2
8	PAFZZ	4730-01-357-8699	98441	2203-6-6	ELBOW,PIPE TO TUBE	2
9	PAFZZ	4730-01-048-1025	30780	212T-6-6	TEE,PIPE	1
10	PAFZZ	4820-01-515-0455	97111	CV-370-MPMP-5	VALVE,CHECK	1
11	PAFZZ	4710-20-001-6660	1C645	CA012058	TUBE AND FITTINGS,M	2
12	PAFZZ	5340-01-475-0039	1J955	102063011098	CLIP,SPRING TENSION	4
13	PAFZZ	4720-12-333-3860	D8435	360753500000	HOSE,NONMETALLIC	2
14	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	4
15	PAFZZ	4710-01-474-9252	1J955	09031117	PIPE,METALLIC	2
16	PAFZZ	5340-01-475-0054	1J955	102063009098	CLIP,SPRING TENSION	4
17	PAFZZ	4720-12-331-5926	D8435	360753000000	HOSE,NONMETALLIC	2
18	PAFZZ	4320-12-346-2040	D8435	251728450000	PUMP UNIT,RECIPROCA	1
19	PAFZZ	6530-01-352-4777	19207	201449001001	CUSHION,RING,SOLID	2
20	PFFZZ	5342-01-007-0815	98247	25-1156-20-00-11	BRACKET,PUMP	2
21	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	4
22	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	4
23	PAFZZ	5305-00-702-4523	80205	MS35307-306	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 3/4	4
24	PAFZZ	2910-12-361-1126	D2689	0211 1519	VALVE,FUEL SYSTEM	1
25	PAFZZ	5330-12-156-4523	D8286	DIN7603-A14X20-C	GASKET	2
26	PAFZZ	4730-12-364-0435	D2689	0118 0403	CONNECTOR,MULTIPLE,	1
27	PAFZZ	4730-01-316-5785	81646	6208	CLAMP,HOSE	1
28	MFFZZ		04664	930178-120	HOSE,FUEL MAKE FROM P/N FC647-6GRN,CAGE 00624,APPROX 120 IN. LG.	1
					END OF FIGURE	

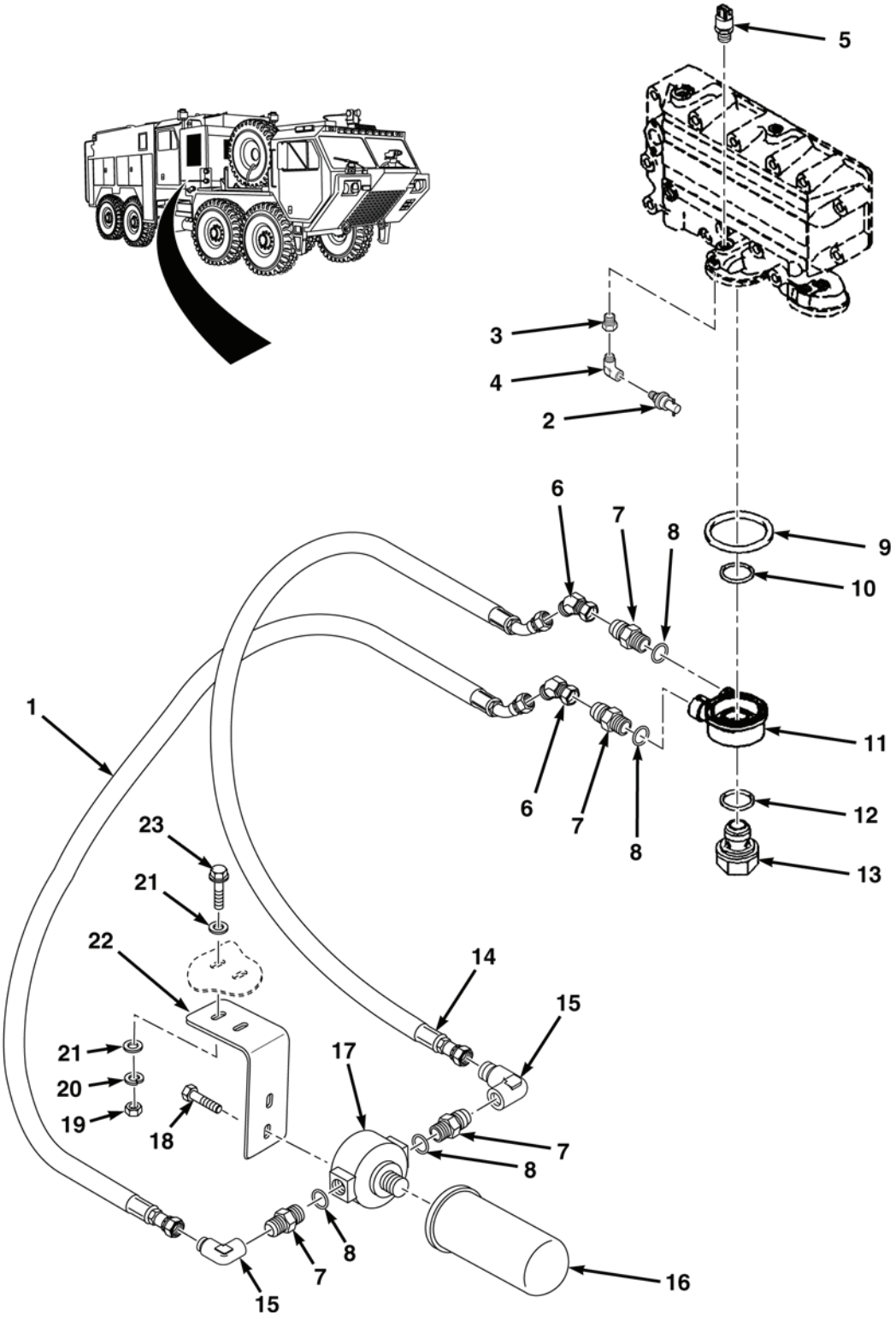


FIG. 22 OIL FILTER ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 22 OIL FILTER ASSEMBLY	
1	PAFZZ	4720-12-362-5058	D2689	0118 1934	HOSE ASSEMBLY,NONME	1
2	PAFZZ	5930-00-855-3938	74400	76579	SWITCH,PRESSURE	1
3	PAFZZ	4730-01-521-8068	93061	M10-1/8F80HG	REDUCER,PIPE	1
4	PAFZZ	4730-00-204-1272	30780	2102-2-2	ELBOW,PIPE	2
5	PAFZZ	6620-12-363-1599	D2689	0419 9823	TRANSMITTER,PRESSUR	1
6	PAFZZ	4730-01-492-8482	01276	2070-12-12S	ELBOW,SWIVEL FLANGE TO TUBE	2
7	PAFZZ	4730-12-134-0892	D9596	709301	ADAPTER,STRAIGHT,TU	4
8	PAFZZ	5330-12-156-4838	D8286	DIN7603-A26X31-C	GASKET	4
9	PAFZZ	5331-12-318-4030	D2689	0117 5851	O-RING	1
10	PAFZZ	5331-12-362-7527	D2689	0117 8213	O-RING	1
11	PAFZZ	2940-12-362-5262	D2689	0425 6763	HEAD,FLUID FILTER	1
12	PAFZZ	5331-12-362-7526	D2689	0118 1860	O-RING	1
13	PAFZZ	4730-12-362-5682	D2689	0425 6765	BOLT,FLUID PASSAGE	1
14	PAFZZ	4720-12-362-5057	D2689	0118 1933	HOSE ASSEMBLY,NONME	1
15	PAFZZ	4730-01-521-6644	93061	2202P-12-12	ELBOW,PIPE	1
16	PAFZZ	2940-12-186-3373	D2689	0117 4421	FILTER ELEMENT,FLUI	1
17	PAFZZ	2910-12-361-0703	D2689	0419 1445	HEAD,FLUID FILTER	1
18	PAFZZ	5306-12-362-5816	I9005	EN1662-M10X20-F-10.9-A3P	BOLT,MACHINE	2
19	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	2
20	PAFZZ	5310-00-637-9541	80045	23MS35338-46	WASHER,LOCK 3/8	2
21	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	4
22	PFFZZ		04664	1347605	BRACKET,MOUNTING OIL FILTER	1
23	PAFZZ	5305-00-543-2419	80204	B1821BH038C113N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/8	2
					END OF FIGURE	

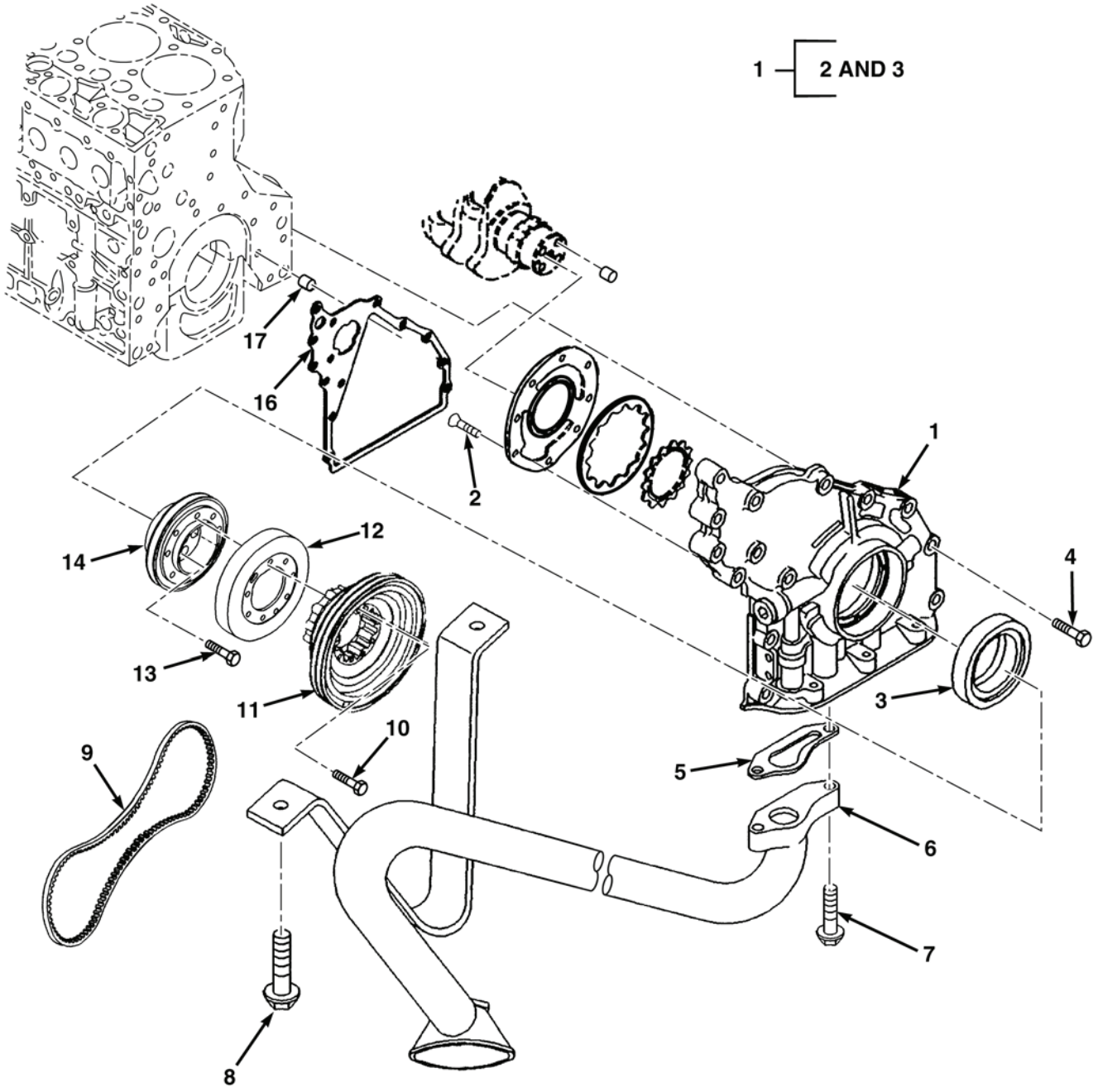


FIG. 23 OIL PUMP/FRONT COVER ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 23 OIL PUMP/FRONT COVER ASSEMBLY	
1	PFFZZ		D2689	0428 9742	COVER,ACCESS	1
2	PAFZZ	5305-12-163-1371	D8286	M6X16DIN799A2P	. SCREW,CAP,SOCKET HE	8
3	PAFZZ	5330-12-361-9035	D2689	0425 3373	. SEAL,PLAIN	1
4	PAFZZ	5306-12-361-9468	I9006	EN1662-M8X35-F-10.9-A2P	BOLT,MACHINE	14
5	PAFZZ	5330-12-362-7398	D2689	0419 8741	GASKET	1
6	PAFZZ	4710-12-362-4898	D2689	0425 6591	TUBE ASSEMBLY,METAL	1
7	PAFZZ	5306-12-361-9464	D2689	0118 1416	BOLT,MACHINE	2
8	PAFZZ	5306-12-361-9458	D2689	0118 1436	BOLT,MACHINE	2
9	PAFZZ		D2689	0117 9718	BELT,V	1
10	PAFZZ		D2689	0113 9579	BOLT,HEX	9
11	PAFZZ		D2689	0419 7633	PULLEY,V-GROOVED	1
12	PAFZZ		D2689	0425 3414	DAMPER,VIBRATION	1
13	PAFZZ		D2689	0117 9415	BOLT,TORX HEAD	4
14	PAFZZ		D2689	0420 9687	PULLEY,V-GROOVED	1
15	PAFZZ		D2689	0118 1404	BUSHING	1
16	PAFZZ		D2689	0420 4450	GASKET	1
17	PAFZZ		D2689	0118 1406	BUSHING	1
					END OF FIGURE	

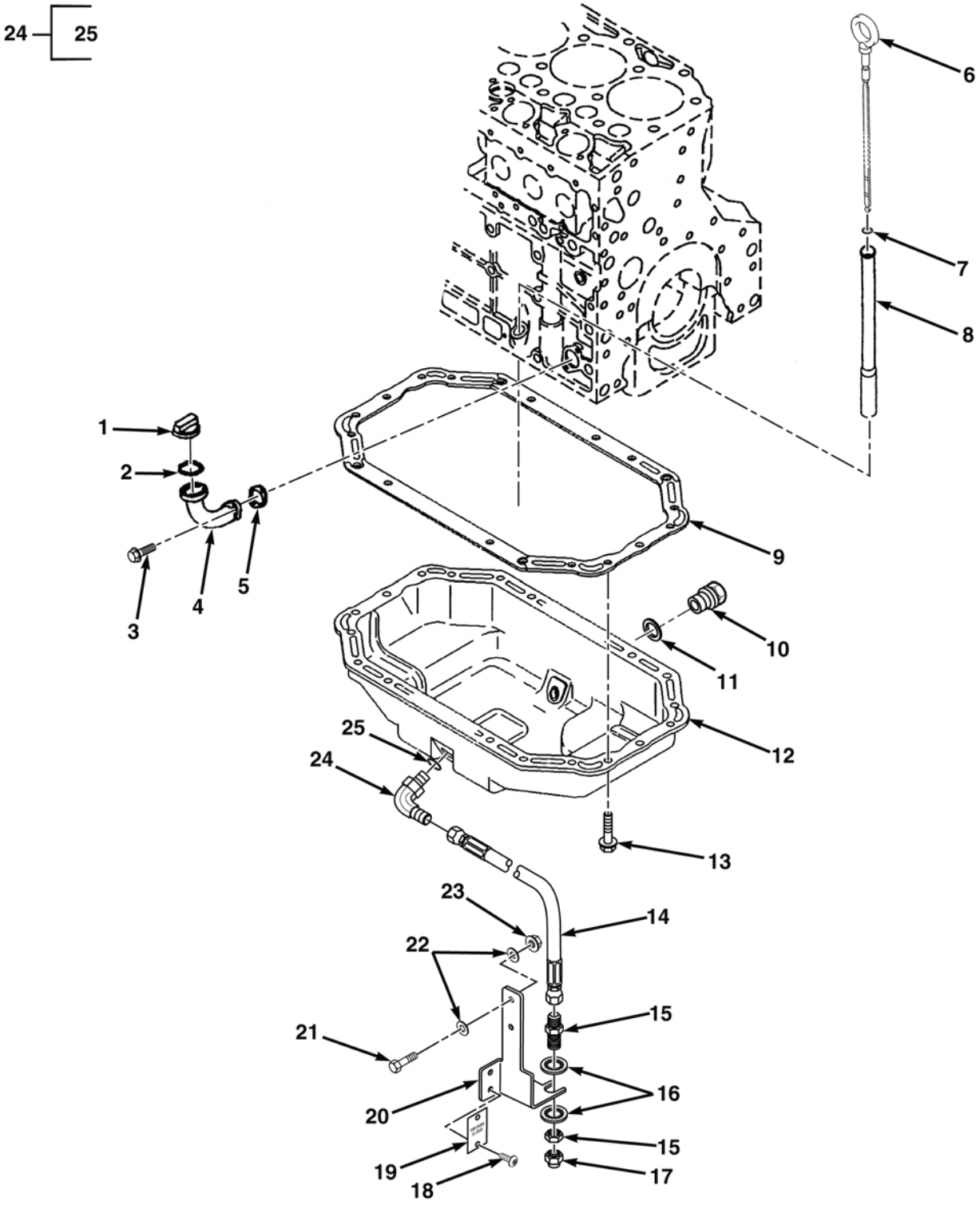


FIG. 24 OIL PAN ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 24 OIL PAN ASSEMBLY	
1	PAFZZ		D2689	0118 1084	CAP,FILLER	1
2	PAFZZ	5331-00-285-9847	81343	MS28778-32	O-RING	2
3	PAFZZ	5306-12-361-0975	D2689	0118 1433	BOLT,MACHINE	1
4	PAFZZ		D2689	0419 7913	NECK,FILLER	1
5	PAFZZ	5330-01-389-4366	62445	0117 8421	GASKET	1
6	PAFZZ	6680-12-363-8739	D2689	0118 1379	GAGE ROD,LIQUID LEV	1
7	PAFZZ	5331-12-163-1067	D2480	OR5X1,5-62NBR/15	O-RING	1
8	PAFZZ		D2689	04204590	TUBE,GUIDE	1
9	PAFZZ		D2689	0420 4459	GASKET	1
10	PAFZZ	5365-12-196-7484	D8286	DIN910-M18X1,5-ST-A3P	PLUG,MACHINE	1
11	PAFZZ	5365-12-196-7484	D8286	DIN7603-A18X24-C	GASKET	1
12	PAFZZ		D2689	0425 6245	PAN,OIL	1
13	PAFZZ	5306-12-361-9458	D2689	0118 1436	BOLT,MACHINE	34
14	PAFZZ		0K785	102911	HOSE ASSEMBLY,NONME	1
15	PAFZZ	4730-00-933-0816	96906	MS51520A12	ADAPTER,STRAIGHT,TU TUBE TO BOSS	1
16	PAFZZ	5310-01-333-4543	96906	MS35333-130	WASHER,LOCK 1	2
17	PAFZZ	4730-00-278-5708	30780	12FNTX-B	CAP,TUBE	1
18	PAFZZ	5305-00-995-3569	80205	MS24629-22	SCREW,TAPPING	2
19	PAFZZ		04664	1365741	TAG,PUMP GEARCASE FILL	1
20	PFFZZ		04664	1346480	BRACKET,MOUNTING ENGINE OIL DRAIN	1
21	PAFZZ	5305-01-082-0049	11939	93543216	SCREW,CAP,HEX HEAD .312-18 X 1	2
22	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT .312	4
23	PAFZZ	5310-01-155-1905	45152	115303A	NUT,SELF-LOCKING EXT WASHER, .312 X 18	2
24	PAFZZ		1ET59	9605-08-L10-16	ADAPTER,STRAIGHT,PI OIL PAN DRAIN	1
25	PAFZZ	5310-21-914-5238	3AD25	9500-16MM	. WASHER,SEAL	1
					END OF FIGURE	

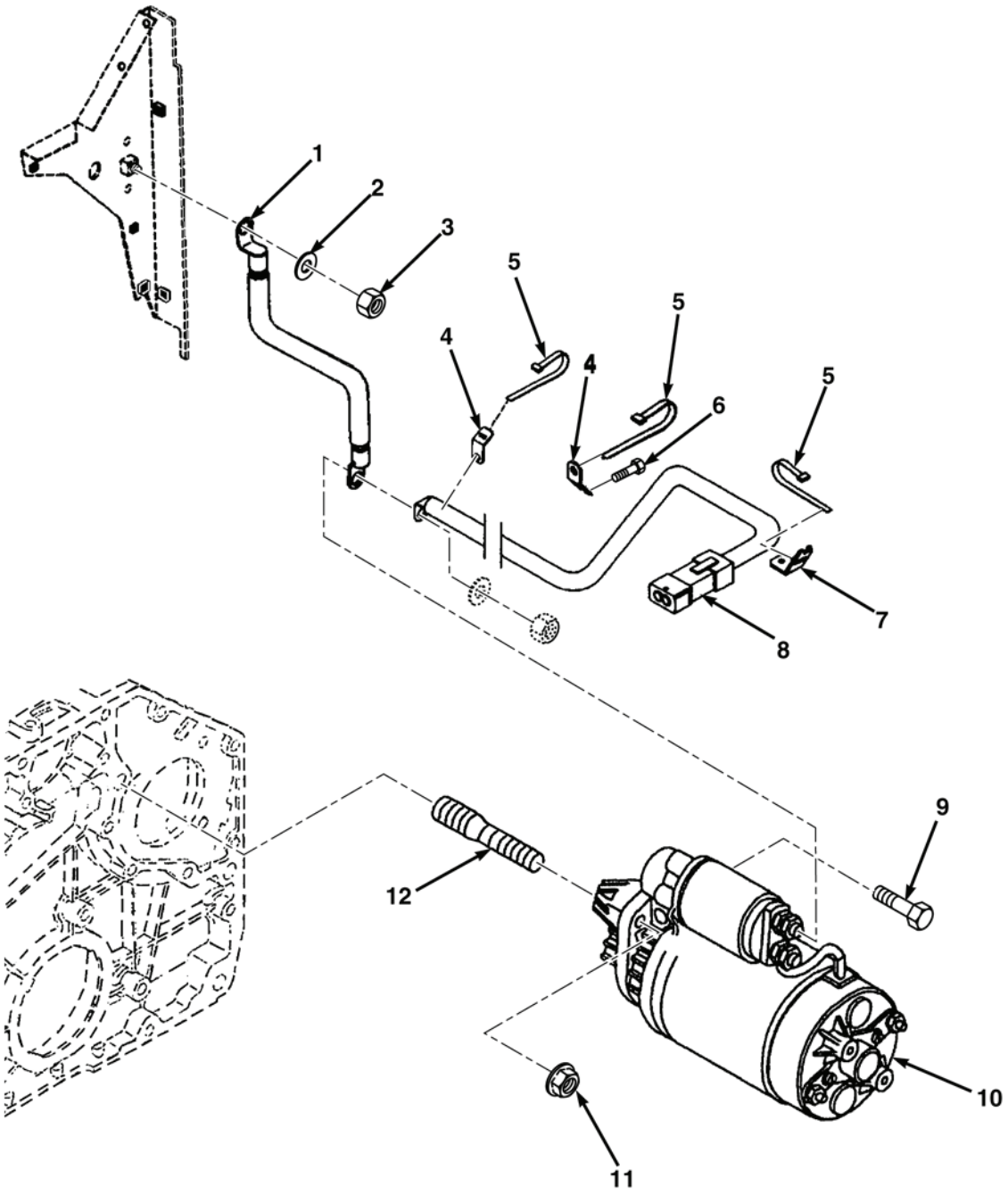


FIG. 25 STARTER MOUNTING INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 25 STARTER MOUNTING INSTALLATION	
1	PAFZZ		D2689	0419 9575	CABLE,INTERCONNECT	1
2	PAFZZ	5310-12-362-5176	D2689	0110 7111	WASHER,FLAT	3
3	PAFZZ	5310-12-362-5683	D2689	0111 2856	NUT,PLAIN,HEXAGON	3
4	PFFZZ	5340-12-325-1206	D2689	0224 9331	BRACKET,ANGLE	3
5	PAFZZ	5340-12-346-0167	D2689	0117 6435	BAND,RETAINING	8
6	PAFZZ	5306-12-361-9460	I9005	EN1662-M8X12-F-10.9-A2P	BOLT,MACHINE	6
7	PFFZZ		D2689	0419 9094	BRACKET	1
8	PAFZZ		D2689	0421 3609	LINE,ELECTRIC	1
9	PAFZZ		D2689	0114 8623	BOLT,MACHINE	2
10	PAFHH		53867	0117 9586	MOTOR,ENGINE STARTE	1
11	PAFZZ	5310-12-362-5684	D2689	0420 5841	NUT,PLAIN,EXTENDED	1
12	PAFZZ	5307-12-362-5819	D2689	0420 5743	STUD,SHOULDERED	1
					END OF FIGURE	

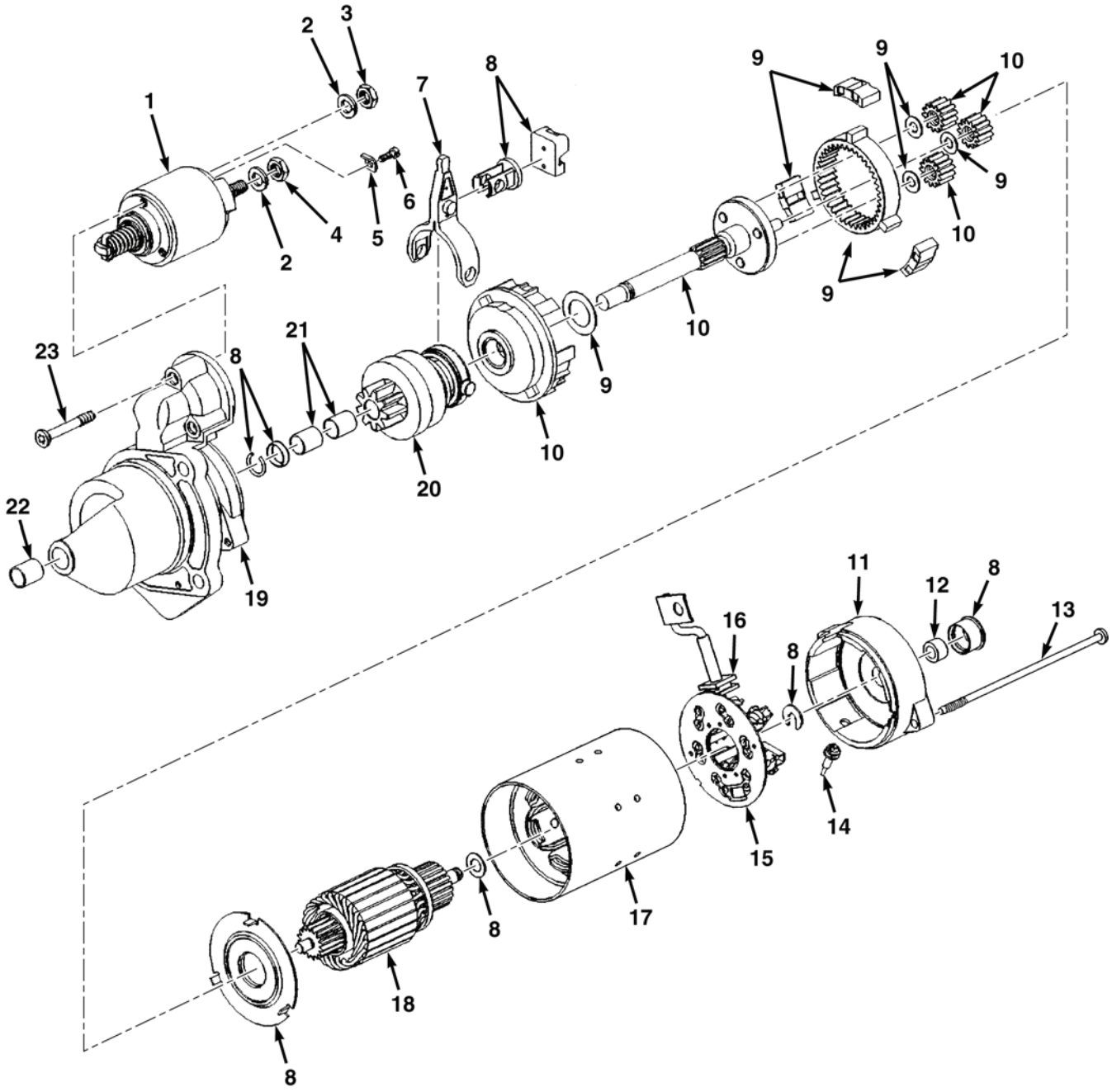


FIG. 26 STARTER ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 26 STARTER ASSEMBLY	
1	PAFZZ	5945-01-517-4988	53687	2 339 402 133	SOLENOID,ELECTRICAL	1
2	PAFZZ	5310-01-517-6906	53867	2 918 740 008	WASHER,SPRING TENS	2
3	PAFZZ	5310-01-517-6900	53867	2 915 011 039	NUT,PLAIN,HEXAGON	1
4	PAFZZ	5310-01-174-1491	S3465	4537769-629	NUT,PLAIN,HEXAGON	1
5	PAFZZ	5940-01-174-1488	53867	1901321209	TERMINAL,LUG	1
6	PAFZZ	5305-21-898-4493	98883	B183998267	SCREW,MACHINE	1
7	PAFZZ	2920-01-518-0943	53867	9 003 331 931	FORK LEVER	1
8	PAFZZ	2920-12-359-2999	D8015	9003337010	PARTS KIT,ELECTRICA	1
9	PAFZZ	3020-01-517-6980	53867	9 003 337 009	GEAR SET,SPUR,MATCH	1
10	PAFZZ	3020-01-517-6987	53867	9 001 336 244	GEAR CLUSTER	1
11	PAFZZ	2920-01-517-9438	53867	6 033 AD0 183	END BELL,ELECTRICAL	1
12	PAFZZ	5365-01-517-2850	53867	9 003 330 317	BUSHING,MACHINE THR	1
13	PAFZZ	5305-01-517-6913	53867	9 001 333 446	SCREW,MACHINE	2
14	PAFZZ	5365-01-517-3346	53867	1 000 306 002	BUSHING,MACHINE THR	2
15	PAFZZ	5977-01-518-0284	53867	6 033 AD0 151	HOLDER,ELECTRICAL C	1
16	PAFZZ	5977-01-517-8945	53867	6 033 AD0 130	HOLDER,ELECTRICAL C	1
17	PAFZZ	2920-01-518-0975	53867	6 033 AD0 128	STATOR ASSEMBLY,IGN	1
18	PAHZZ	2920-01-518-0395	53867	9 003 334 039	ARMATURE,IGNITION	1
19	PAFZZ	2920-01-517-9265	53867	6 033 AD0 082	DRIVE END SHIELD	1
20	PAFZZ	2920-01-518-0949	53867	9 002 336 236	DRIVE,ENGINE,ELECTR	1
21	PAFZZ	5365-01-517-2849	53867	2 000 310 002	BUSHING,MACHINE THR	2
22	PAFZZ	3120-01-273-7507	53867	2 000 301 000	BUSHING,SLEEVE	1
23	PAFZZ	5305-01-517-6910	53867	9 001 333 448	SCREW,MACHINE	3
					END OF FIGURE	

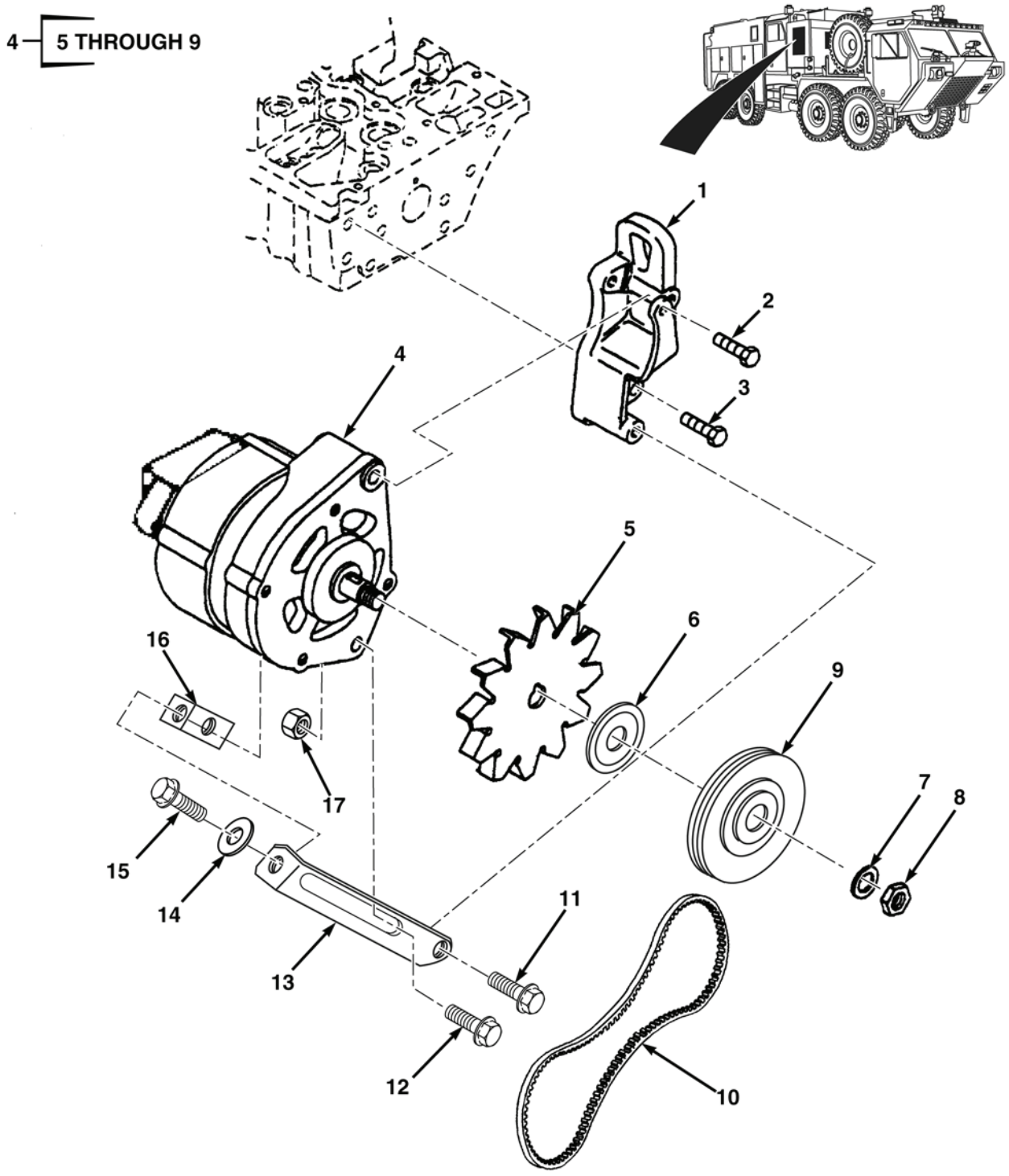


FIG. 27 ALTERNATOR ASSEMBLY INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 27 ALTERNATOR ASSEMBLY INSTALLATION	
1	PFFZZ	5342-12-362-5681	D2689	0420 9685	BRACKET,ENGINE ACCE	1
2	PAFZZ	5306-01-545-5168	62445	0118 1435	BOLT,MACHINE	1
3	PAFZZ		D2689	0114 8540	SCREW,CAP,HEXAGON H	4
4	PAFFZ	6115-01-554-7224	49185	0118 2153	GENERATOR,ENGINE AC	1
5	PAFZZ	2930-01-560-4953	62445	0118 1859	. IMPELLER,FAN,AXIAL	1
6	PAFZZ	2520-01-560-5003	62445	0118 2010	. RING,SUPPORTING	1
7	PAFZZ	5310-01-560-5008	62445	0118 2271	. WASHER,SPRING TENSION	1
8	PAFZZ	5310-01-545-5036	62445	0113 1115	. NUT,PLAIN,HEXAGON	1
9	PAFZZ		D2689	0118 2187	. PULLEY,GROOVE	1
10	PAFZZ	3030-12-356-0006	D2689	0117 9648	BELT,V	1
11	PAFZZ	5306-12-361-9464	D2689	0118 1416	BOLT,MACHINE	1
12	PAFZZ	5306-12-362-5821	D2689	0118 1432	BOLT,MACHINE	1
13	PAFZZ		D2689	0428 3483	ARM,ADJUSTING,BELT	1
14	PAFZZ	5310-01-545-5247	62445	0114 8124	WASHER,FLAT	1
15	PAFZZ		D2689	0112 6185	BOLT,HEX	1
16	PAFZZ		D2689	0428 4548	BLOCK,THREADED	1
17	PAFZZ	5310-12-142-8468	D8286	DIN934-M8-10-A2P	NUT,PLAIN,HEXAGON	1
					END OF FIGURE	

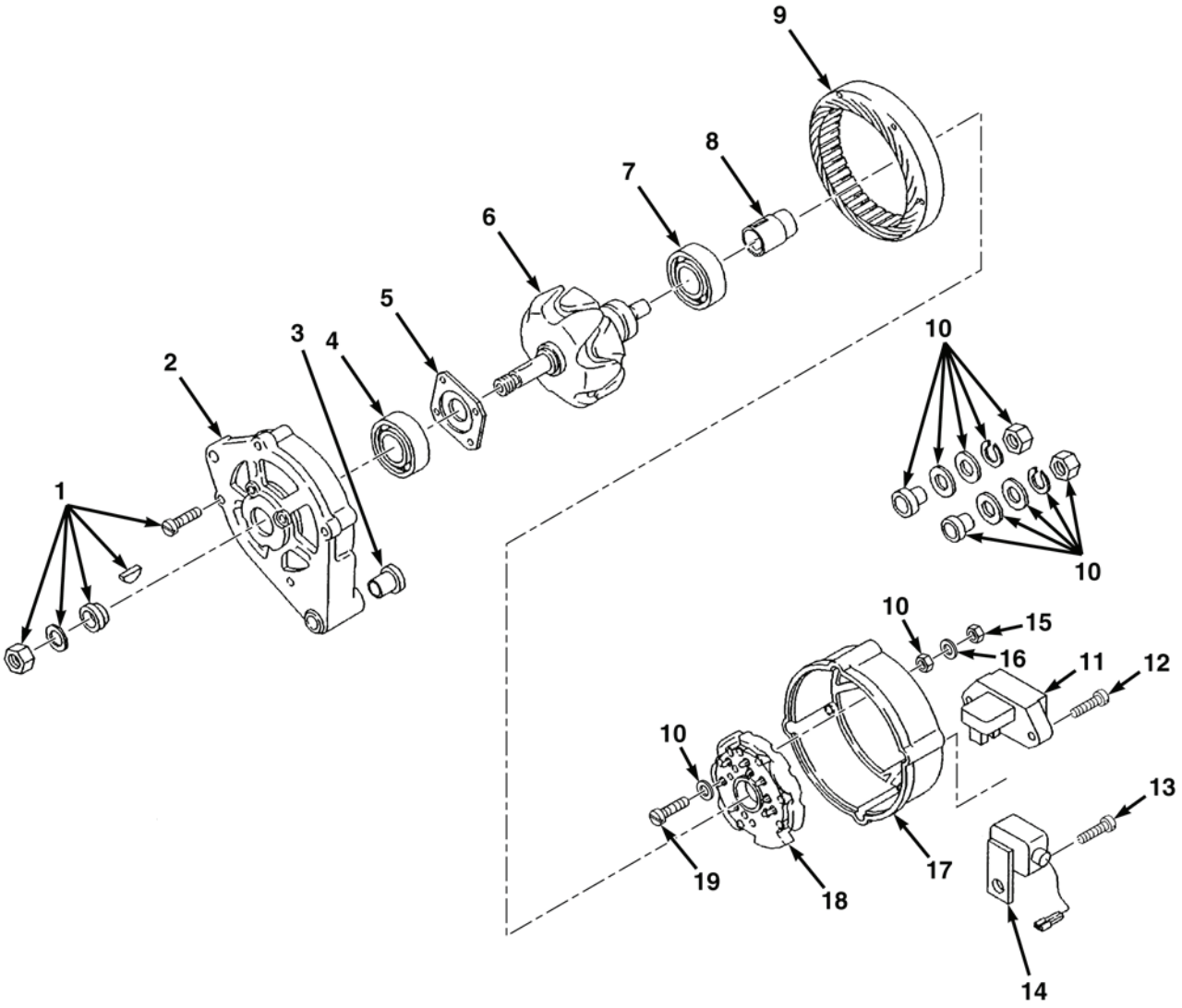


FIG. 28 ALTERNATOR ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 28 ALTERNATOR ASSEMBLY	
1	PAFZZ	2920-01-316-7388	S3465	2536240-606	PARTS KIT,ENGINE GE	1
2	XAFZZ		B1223	1 120 322 350	DRIVE END SHIELD	1
3	PAFZZ	5365-12-322-0750	D8015	1120322000	SPACER,SLEEVE	1
4	PAFZZ	3110-01-315-7020	53867	1120905039	BEARING,BALL,ANNULA	1
5	PAFZZ	3110-01-359-4593	53867	1 121 038 018	PLATE,RETAINING,BEA	1
6	PAFZZ	2920-12-362-5978	D8015	1124034677	ROTOR,GENERATOR.	1
7	PAFZZ	3110-12-362-4279	D8015	1120905102	BEARING,BALL,ANNULA	1
8	PFFZZ	2920-01-393-2739	53867	1 120 591 075	COVER,ELECTRICAL GE.	1
9	PAFZZ	2920-12-349-2909	D8015	1125045090	STATOR,ENGINE GENER.	1
10	PAFZZ	2920-12-362-5814	D8015	1127011148	PARTS KIT,ENGINE GE	1
11	PAFZZ	2920-12-348-5506	D8015	0120488283	GENERATOR,ENGINE AC	1
12	PAFZZ	5305-01-393-1310	53867	1123433007	SCREW,ASSEMBLED WAS	2
13	PAFZZ	5305-01-341-2905	53867	2 912 452 152	SCREW,MACHINE	1
14	PAFZZ	2920-01-393-7984	53867	0 290 800 036	SUPPRESSOR,IGNITION	1
15	PAFZZ	5310-01-305-8328	53867	2-915-011-006	NUT,PLAIN,HEXAGON DIN 934-M5-8-A.	2
16	PAFZZ	5310-12-153-7174	D8286	DIN137-A5-1.4310	WASHER,SPRING TENSI DIN 137-A5-X12CRNI17 7	2
17	PAFZZ	2920-12-362-6007	D8015	1125884494	END BELL,ELECTRICAL.	1
18	PAFZZ	5961-12-349-2235	D8015	1127319104	SEMICONDUCTOR DEVIC	1
19	PAFZZ	5305-01-340-8311	53867	1 123 433 005	SCREW,ASSEMBLED WAS	2
					END OF FIGURE	

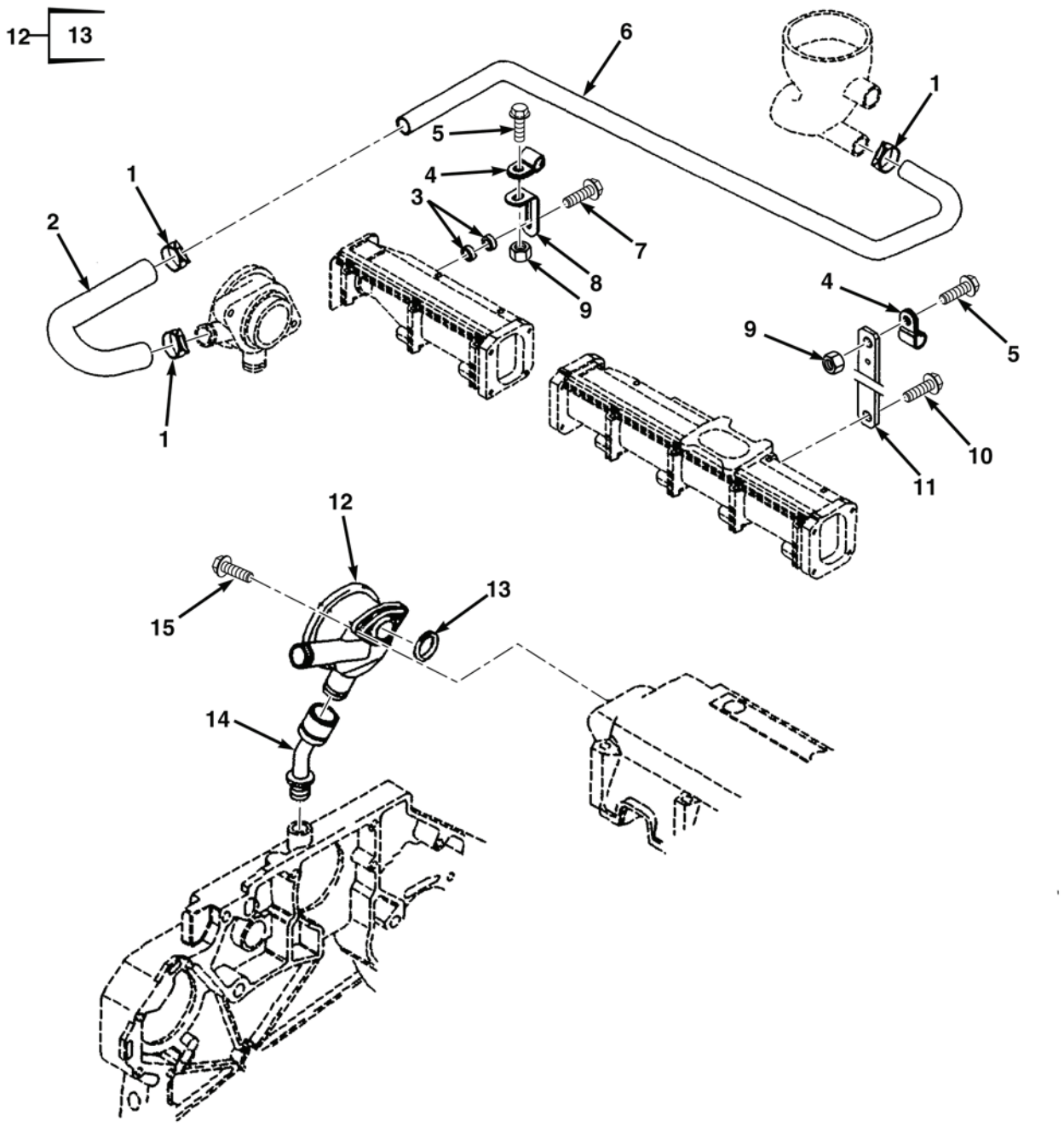


FIG. 29 CRANKCASE BREATHER

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 29 CRANKCASE BREATHER	
1	PAFZZ		D2689	0117 8750	CLAMP,SPRING BAND	3
2	PAFZZ		D2689	0419 8572	TUBE,NONMETALLIC	1
3	PAFZZ		D2689	03363990	BUSHING	2
4	PAFZZ		D2689	01178181	CLAMP,PIPE	2
5	PAFZZ	5306-12-361-0975	D2689	0118 1433	BOLT,MACHINE	2
6	PAFZZ		D2689	04259898	TUBE,METALLIC	1
7	PAFZZ	5306-12-361-9458	D2689	0118 1436	BOLT,MACHINE	1
8	PFFZZ		D2689	04204250	BRACKET	1
9	PAFZZ	5310-01-434-7272	62445	0111 2824	NUT,PLAIN,HEXAGON	2
10	PAFZZ	5306-12-361-9468	I9006	EN1662-M8X35-F-10.9-A2P	BOLT,MACHINE	1
11	PAFZZ		D2689	02144081	PLUG,PIPE	1
12	PAFZZ		D2689	04207651	REGULATOR,PRESSURE	1
13	PAFZZ		D2689	04207649	. GASKET	1
14	PAFZZ		D2689	04207290	TUBE ASSEMBLY	1
15	PAFZZ		D2689	01180218	BOLT,HEX	2
					END OF FIGURE	

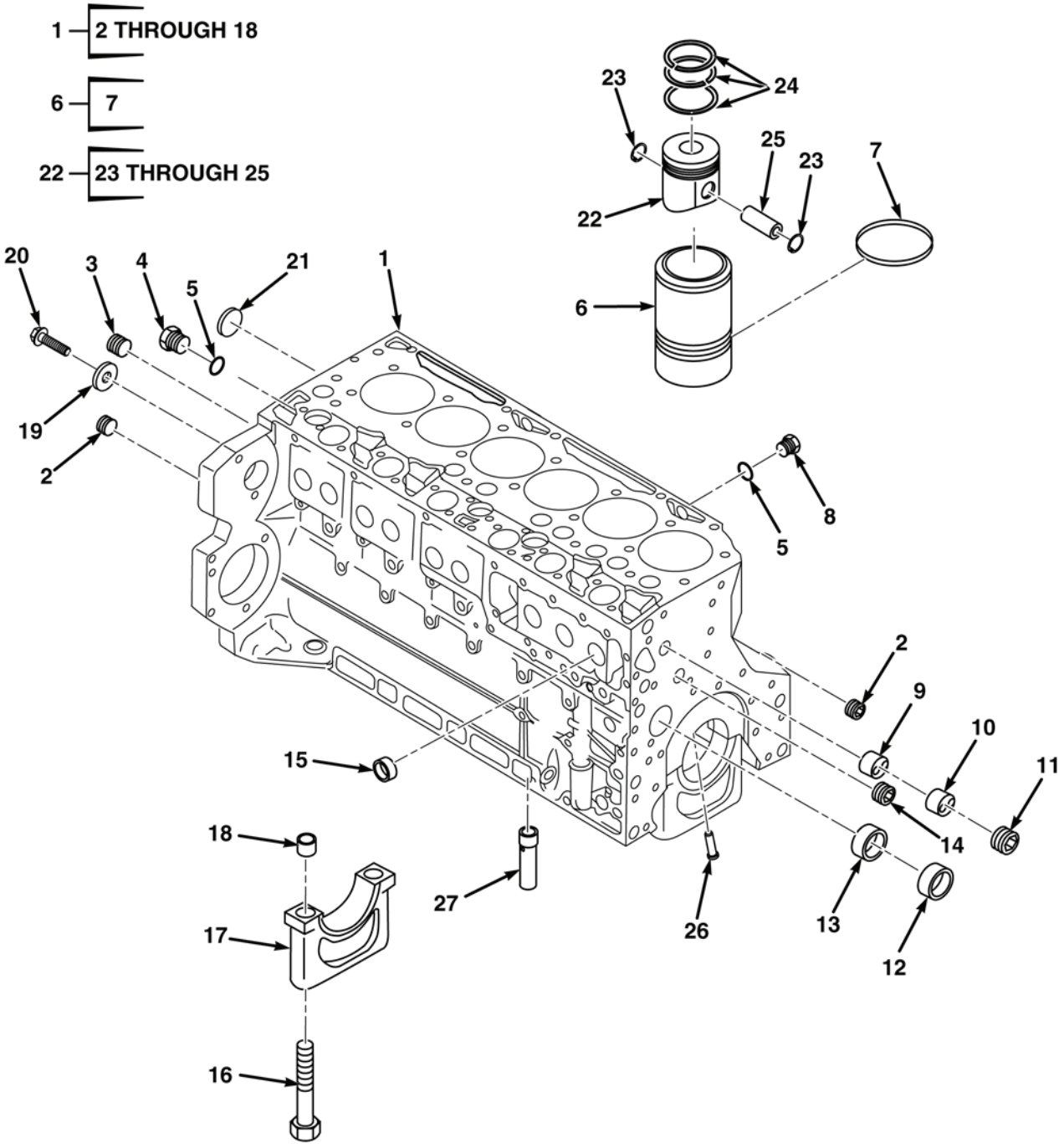


FIG. 30 CRANKCASE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 30 CRANKCASE	
1	XAHZZ		D2689	04282827	CRANKCASE	1
2	PAFZZ		D2689	01182031	. PLUG,SCREW	2
3	PAFZZ		D2689	01181155	. PLUG,SCREW	1
4	PAFZZ		D2689	01110423	. PLUG,SCREW	2
5	PAFZZ	5310-01-437-8700	62445	0111 8693	. WASHER,SEAL	4
6	PAHZZ		D2689	04282014	. LINER,CYLINDER	6
7	PAHZZ		D2689	01181178	. . O-RING	12
8	PAFZZ	5365-12-308-3094	D8286	DIN7604-A-M14X1,5-ST-A4C	. PLUG,MACHINE THREAD	2
9	PAHZZ		D2689	04202517	. SLEEVE,GUIDE	1
10	PAHZZ		D2689	04202518	. SLEEVE,GUIDE	1
11	PAFZZ		D2689	01182033	. PLUG,SCREW	1
12	PAHZZ		D2689	04200021	. BEARING	6
13	PAHZZ		D2689	04200022	. BEARING	1
14	PAFZZ		D2689	01182032	. PLUG,SCREW	1
15	PAFZZ	5340-12-362-4938	D2689	0117 9635	. PLUG,EXPANSION	10
16	PAHZZ		D2689	04251254	. BOLT,HEX	14
17	XAFZZ		D2689	0428 2827XA1	. CAP,MAIN BEARING	2
18	PAHZZ		D2689	04200078	. BUSHING	14
19	PAFZZ		D2689	04192460	WASHER,FLAT	1
20	PAFZZ	5306-12-361-9460	I9005	EN1662-M8X12-F-10.9-A2P	BOLT,MACHINE	1
21	PFFZZ		D2689	01122154	COVER	1
22	PAHZZ		D2689	04295313	PISTON	6
23	PAHZZ		D2689	01107830	. SNAPRING	2
24	PAHZZ		D2689	04253389	. RINGS,PISTON SET	1
25	PAHZZ		D2689	04200139	. PIN,PISTON	1
26	PAHZZ		D2689	04203930	NOZZLE,PISTON	6
27	PAFZZ		D2689	04207119	VALVE,PRESSURE HOLDING	1
					END OF FIGURE	

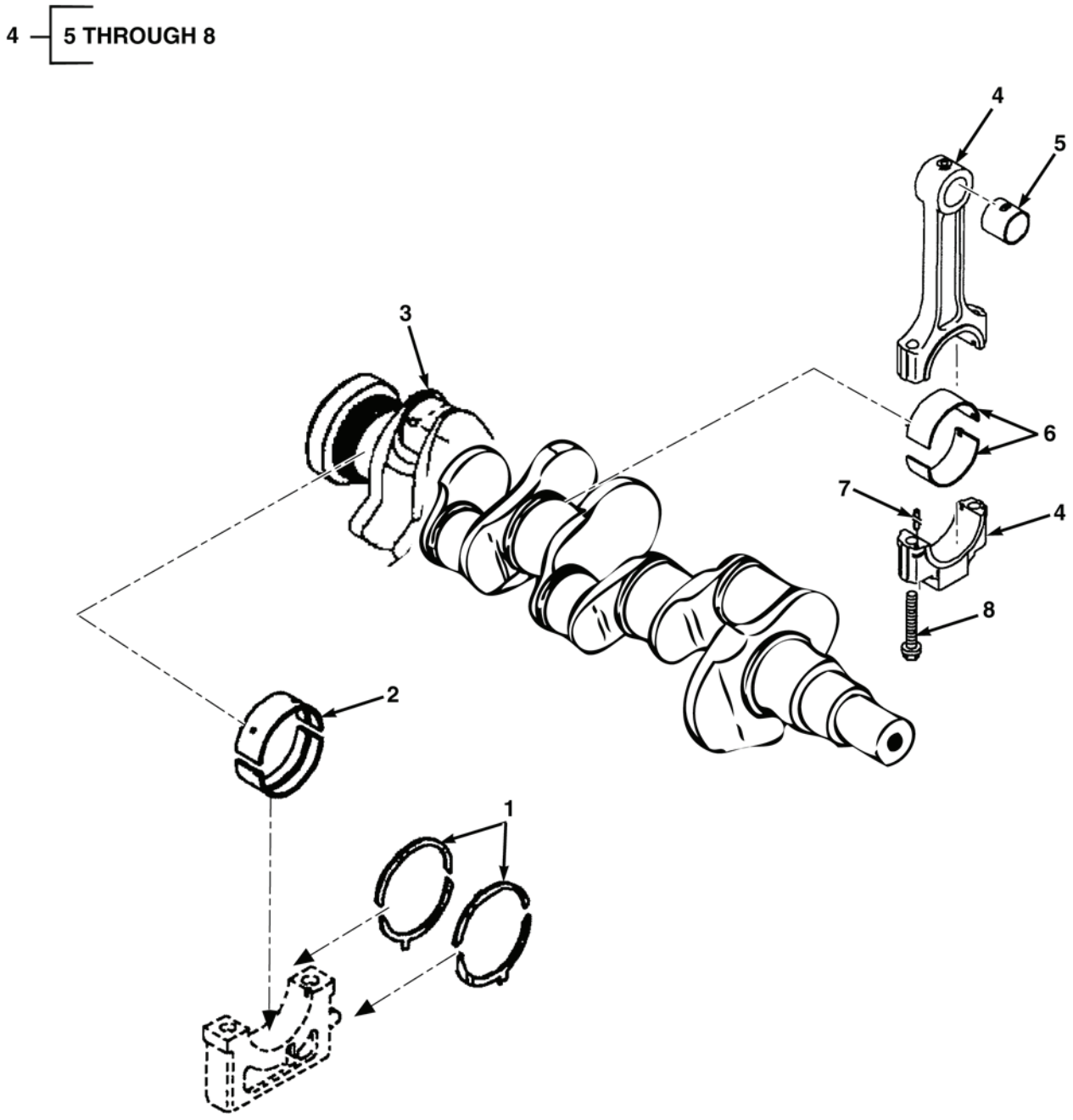


FIG. 31 CRANKSHAFT

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 31 CRANKSHAFT	
1	PAHZZ		D2689	02929438	WASHER,THRUST 2.9 MM	1
1	PAHZZ		D2689	02929439	WASHER,THRUST 1ST OVERSIZED 3.1 MM	1
2	PAHZZ		D2689	02929432	BEARING,MAIN 2ND UNDERSIZED 84.50 MM	7
2	PAHZZ		D2689	02929430	BEARING,MAIN 85.00 MM	7
2	PAHZZ		D2689	02929431	BEARING,MAIN 1ST UNDERSIZED 84.75 MM	7
3	PFFZZ		D2689	04294255	CRANKSHAFT	1
4	PAHZZ		D2689	04200465	ROD,CONNECTING	1
5	PAFZZ		D2689	04200024	. BUSHING,PISTON PIN	1
6	PAHZZ		D2689	02931473	. BEARING,CONN ROD 68 MM	1
6	PAHZZ		D2689	02931474	. CONNECTING ROD 67.75 MM	1
6	PAHZZ		D2689	02931475	. CONNECTING ROD 67.50 MM	1
7	PAHZZ		D2689	01144447	. PIN,STRAIGHT	2
8	PAHZZ		D2689	04200468	. SCREWCAP,ROD	2
					END OF FIGURE	

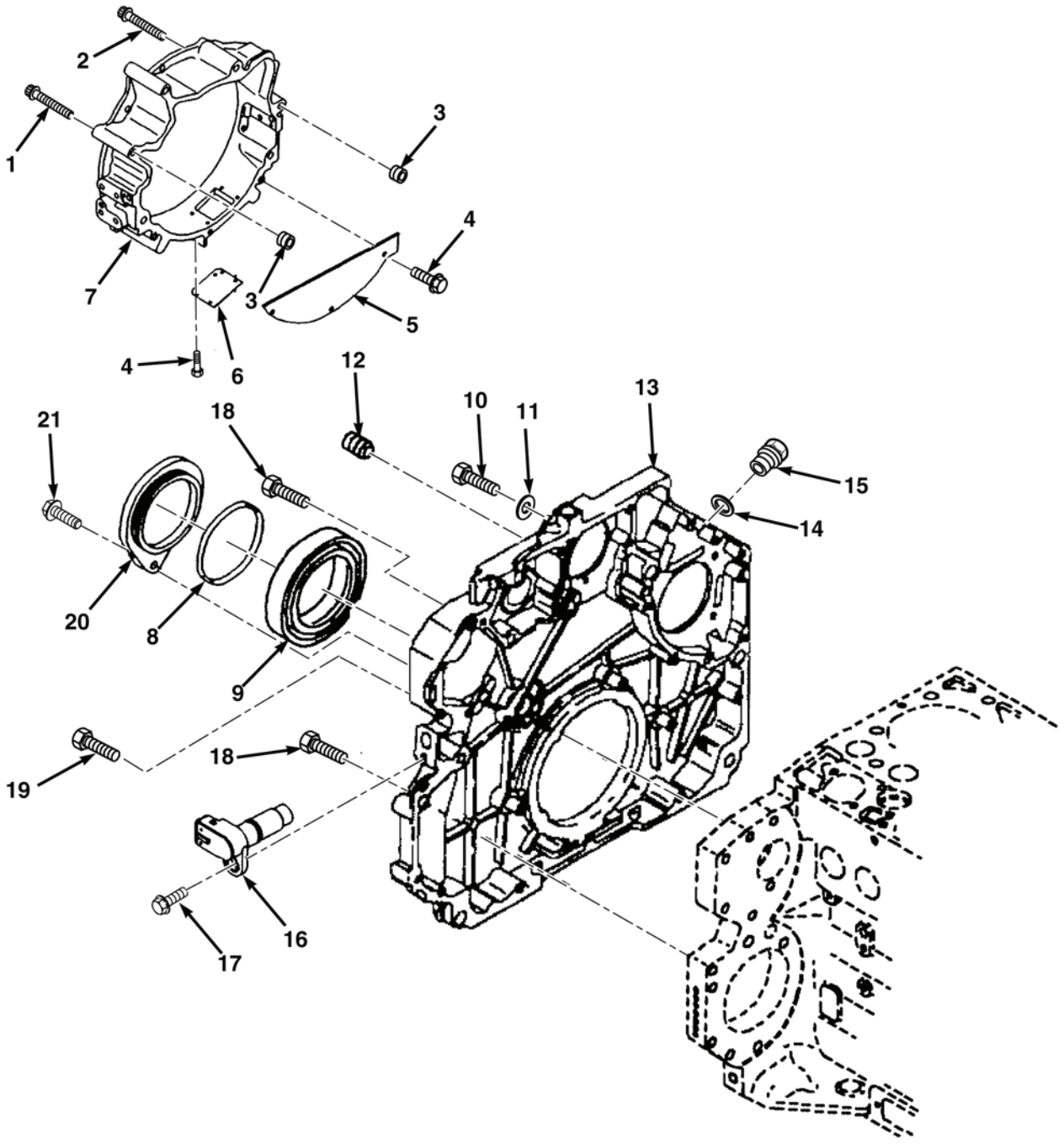


FIG. 32 GEAR CASE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 32 GEAR CASE	
1	PAFZZ		D2689	01181429	BOLT,TORX HEAD	2
2	PAFZZ		D2689	01181430	BOLT,TORX HEAD	4
3	PAFZZ		D2689	04282960	BUSHING	2
4	PAFZZ		D2689	01181442	BOLT,HEX	7
5	PAFZZ		D2689	04256648	PLATE,COVER	1
6	PFFZZ		D2689	04259780	COVER,ACCESS	1
7	PAFZZ		D2689	04255802	HOUSING,CONNECTION	1
8	PAFZZ		D2689	01160962	SEAL	1
9	PAFZZ		D2689	04253333	SEAL,ROTATING SHAFT	1
10	PAHZZ		D2689	01148131	BOLT,HEX	2
11	PAHZZ	5310-12-180-5961	D2689	DIN125-A17-140HV-A3P	WASHER,FLAT	2
12	PAFZZ		D2689	01125590	SETSCREW	1
13	PAHZZ		D2689	04290718	GEARCASE	1
14	PAFZZ	5330-12-156-4522	D8286	DIN7603-A14X18-C	GASKET	1
15	PAFZZ		D2689	01143503	PLUG,SEAL	1
16	PAFZZ		D2689	04199792	SPEED SENSOR,ENGINE	1
17	PAFZZ		D2689	01181439	BOLT,HEX	1
18	PAHZZ	5306-12-361-9468	I9006	EN1662-M8X35-F-10.9-A2P	BOLT,MACHINE	12
19	PAHZZ		D2689	01181438	BOLT,HEX	4
20	PFFZZ		D2689	04255006	COVER	1
21	PAFZZ		D2689	01181458	BOLT,HEX	1
					END OF FIGURE	

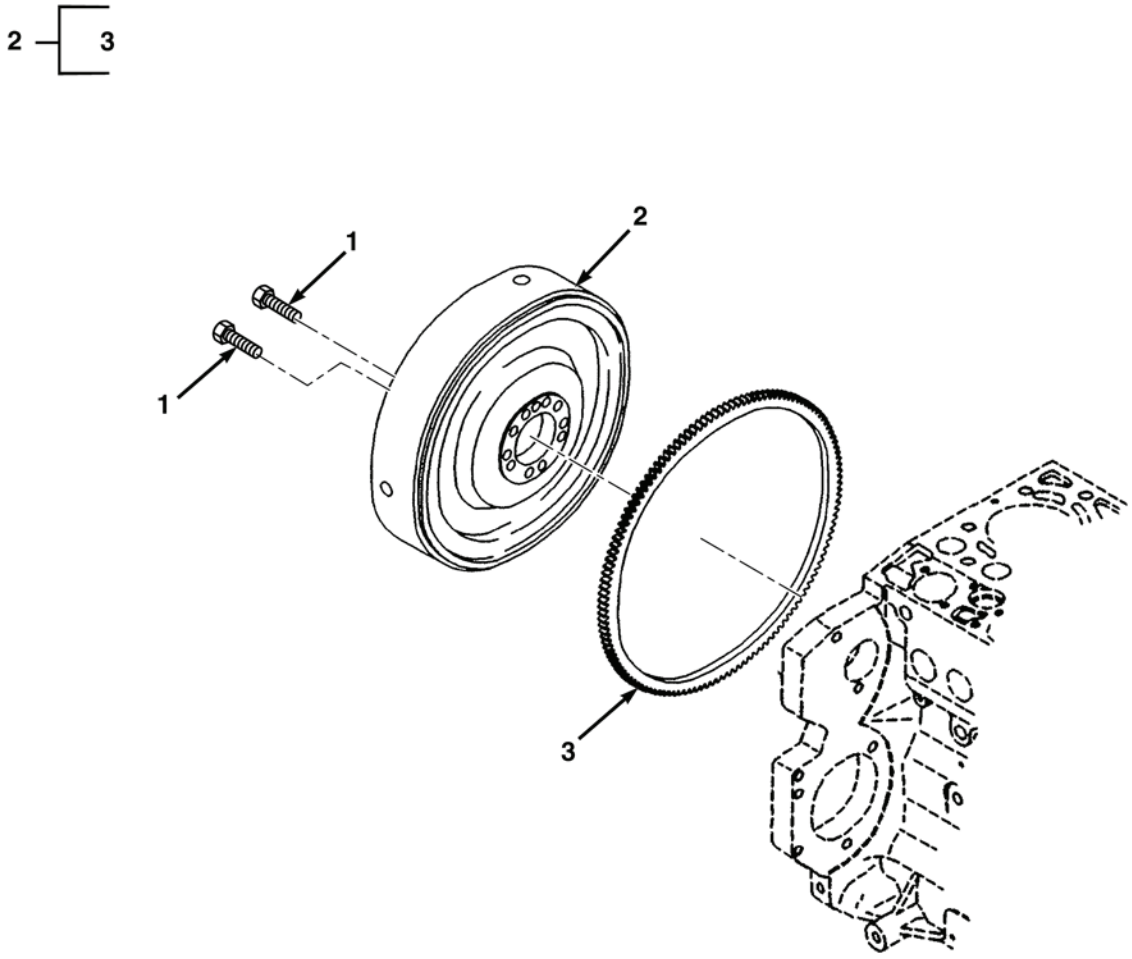


FIG. 33 FLYWHEEL

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 33 FLYWHEEL	
1	PAFZZ		D2689	04204130	BOLT,HEX	10
2	PFFZZ		D2689	04204326	FLYWHEEL	1
3	PBFZZ		D2689	04900286	. RING,GEAR	1
					END OF FIGURE	

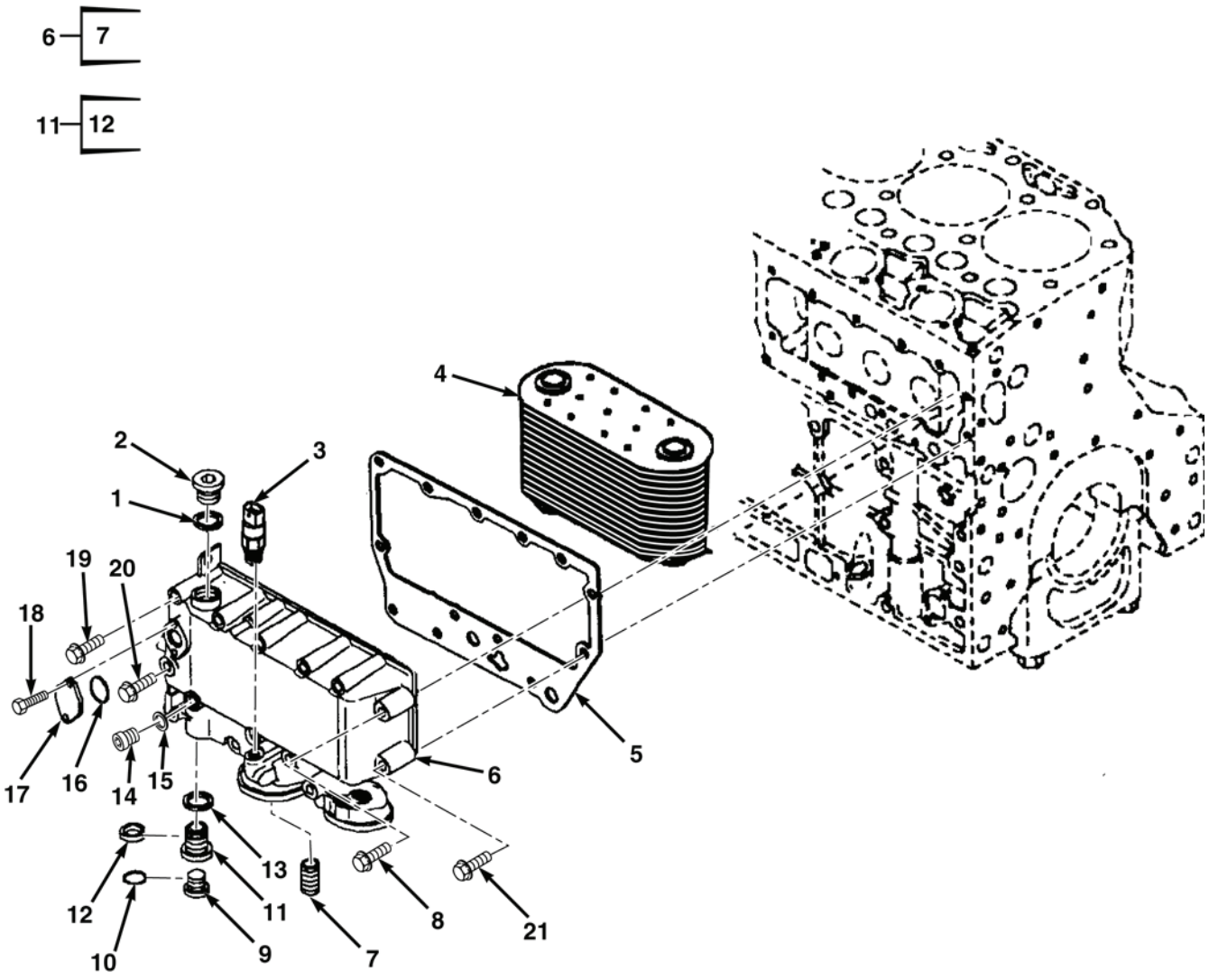


FIG. 34 OIL COOLER BOX

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 34 OIL COOLER BOX	
1	PAFZZ	5330-12-156-4838	D8286	DIN7603-A26X31-C	GASKET	1
2	PAFZZ	5330-01-544-4708	62445	0114 8158	SEAL,PLUG	1
3	PAFZZ		D2689	04213020	SENSOR,PRESSURE	1
4	PAFZZ		D2689	04288128	COOLER,OIL	1
5	PAFZZ		D2689	04205734	GASKET	10
6	PAFZZ		D2689	04290781	HOUSING,OIL COOLER	1
7	PAFZZ	5305-01-544-4600	62445	0419 7729	. THUMBSCREW	1
8	PAFZZ		D2689	01181431	BOLT,HEX	3
9	PAFZZ		D2689	01151645	PLUG,SCREW	2
10	PAFZZ	5331-12-362-7527	D2689	0117 8213	O-RING	2
11	PAFZZ		D2689	04209118	SCREW,COLLAR	2
12	PAFZZ		D2689	04201286	. RING,SEALING	2
13	PAFZZ	5330-12-143-6289	D8286	DIN7603-A26X31-A	GASKET	2
14	PAFZZ		D2689	01182177	PLUG,SEALING	1
15	PAFZZ	5330-12-156-4526	D8286	DIN7603-A18X22-C	GASKET	1
16	PAFZZ		D2689	01180290	SEAL	1
17	PAFZZ		D2689	04197585	FLANGE	10
18	PAFZZ		D2689	01148234	BOLT,HEX	2
19	PAFZZ		D2689	01143364	BOLT,HEX	10
20	PAFZZ		D2689	01180206	BOLT,HEX	10
21	PAFZZ		D2689	01180205	BOLT,HEX	3
					END OF FIGURE	

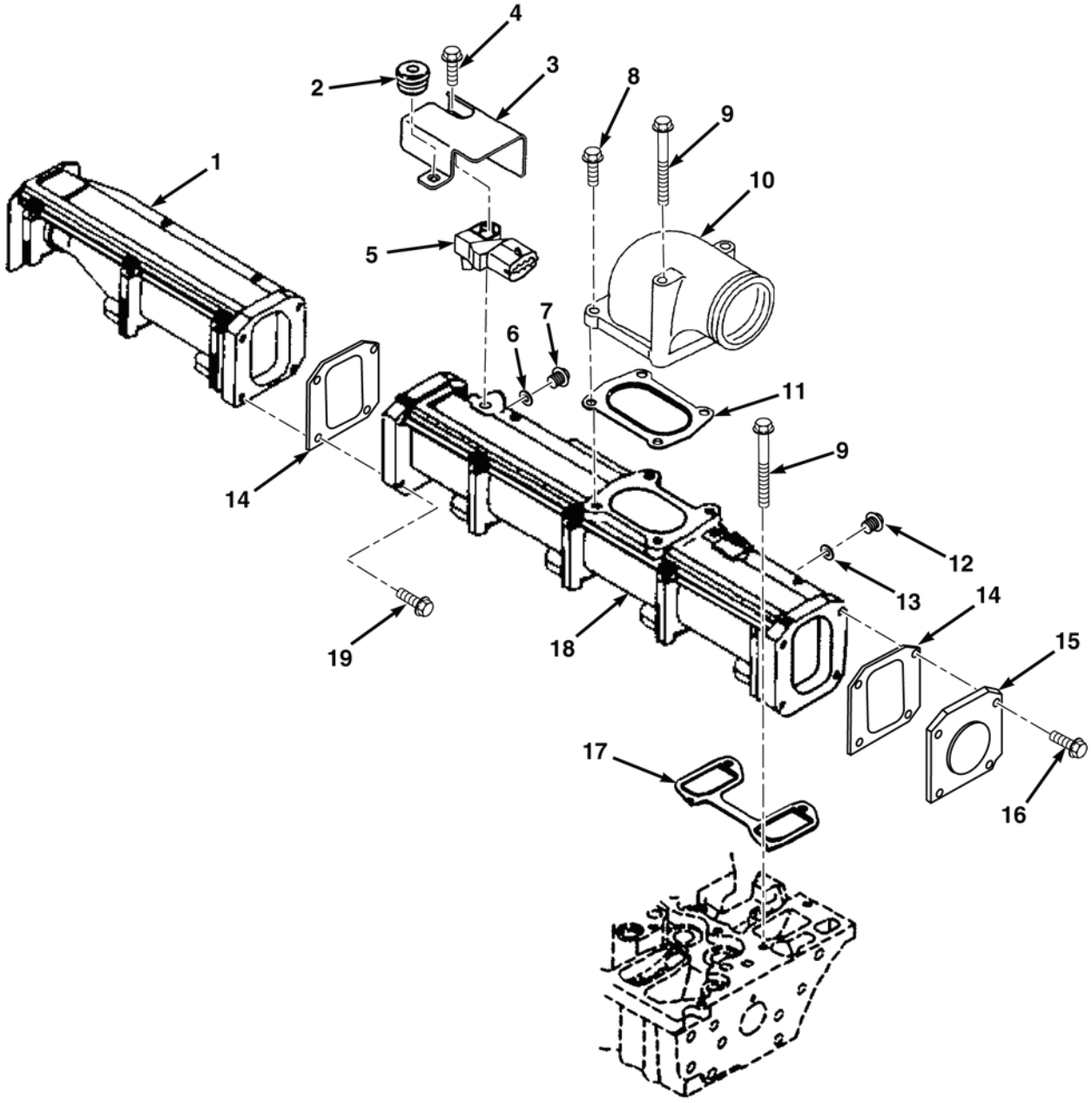


FIG. 35 CHARGE AIR PIPE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 35 CHARGE AIR PIPE	
1	PAFZZ		D2689	04288250	PIPE,CHARGE AIR	1
2	PAFZZ		D2689	04272788	GROMMET	1
3	PAFZZ		D2689	0428 4824	PLATE,GUARD	1
4	PAFZZ		D2689	01181965	BOLT,HEX	1
5	PAFZZ		D2689	04194078	INTAKE MANIFOLD	1
6	PAFZZ	5330-12-156-4806	62445	111 8659	GASKET	2
7	PAFZZ	5365-01-545-1758	62445	0113 1075	PLUG,MACHINE THREAD	2
8	PAFZZ		D2689	01148634	BOLT,HEX	2
9	PAFZZ	5306-12-362-6067	I9006	EN1662-M6X95-F-10.9-A2P	BOLT,MACHINE	14
10	PAFZZ		D2689	04208736	ELBOW,AIR	1
11	PAFZZ		D2689	04291309	GASKET	1
12	PAFZZ		D2689	01110423	PLUG,SCREW	1
13	PAFZZ	5330-12-156-4522	D8286	DIN7603-A14X18-C	GASKET	1
14	PAFZZ		D2689	04251666	GASKET	2
15	PFFZZ		D2689	04251598	COVER	1
16	PAFZZ	5306-12-361-9458	D2689	0118 1436	BOLT,MACHINE	4
17	PAFZZ		D2689	04255362	GASKET	3
18	PAFZZ		D2689	04284318	PIPE,CHARGE AIR	1
19	PAFZZ		D2689	01179193	BOLT,HEX	4
					END OF FIGURE	

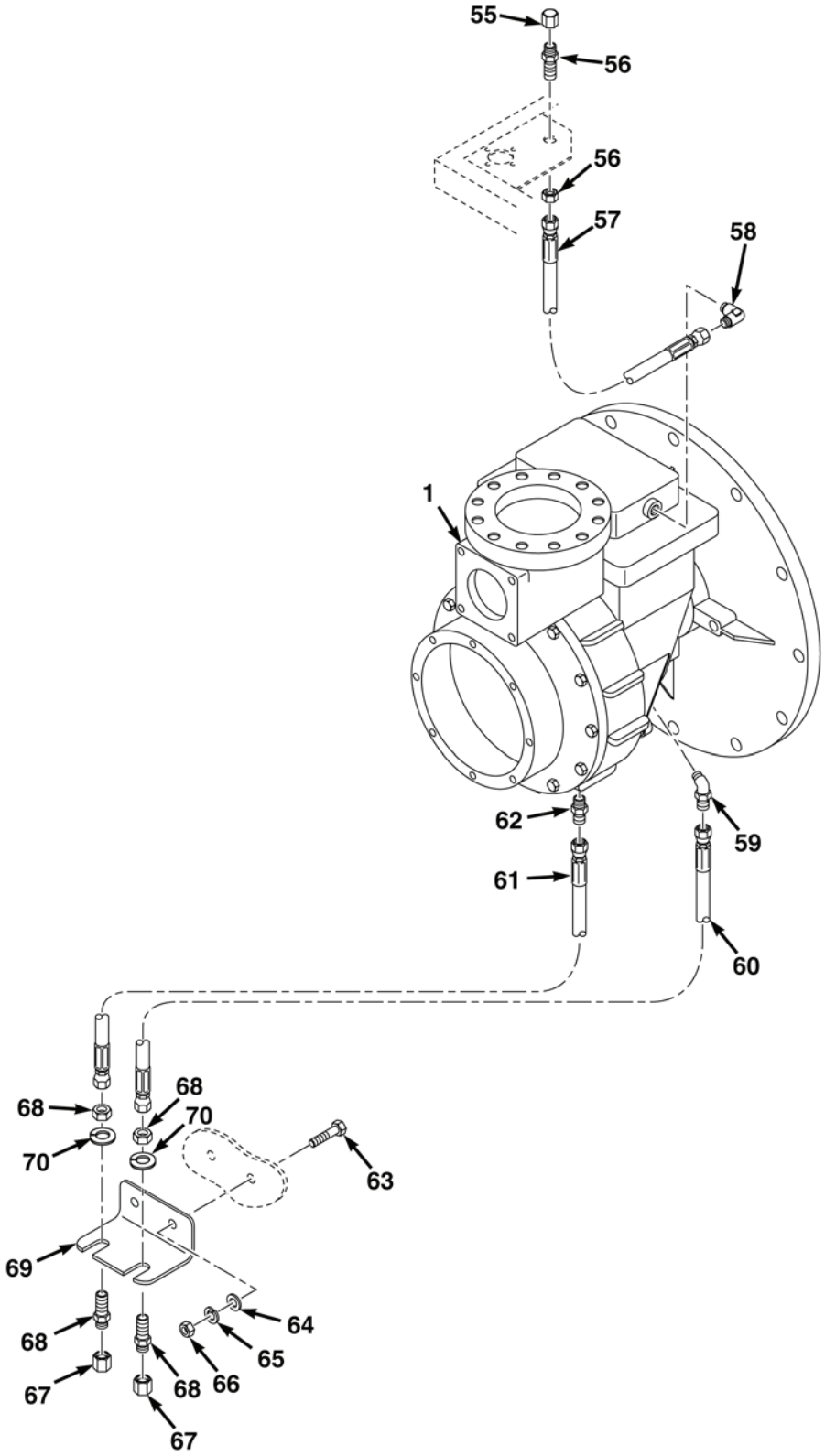


FIG. 36 WATER PUMP ASSEMBLY (SHEET 1 OF 2)

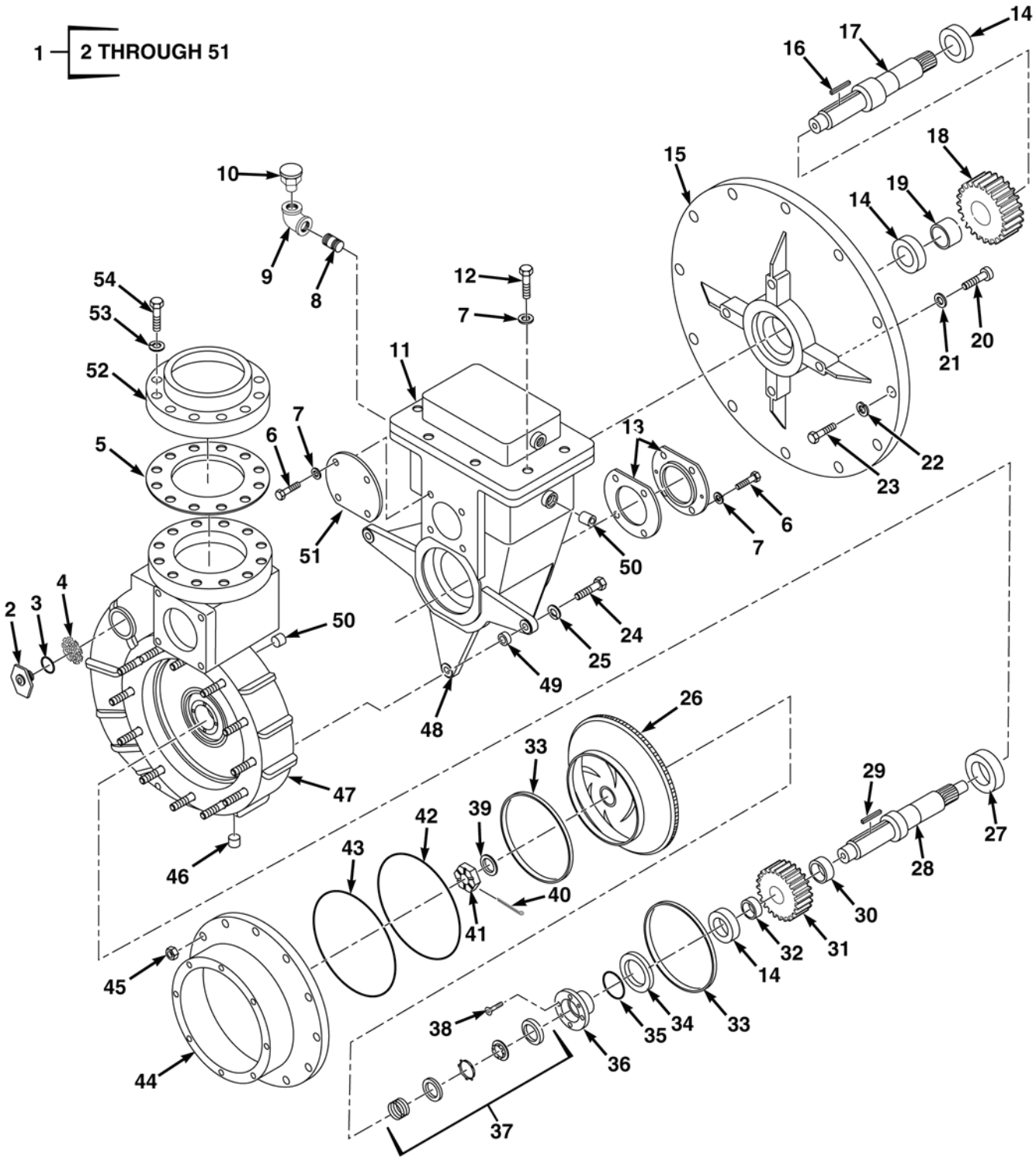


FIG. 36 WATER PUMP ASSEMBLY (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7601 WATER PUMP ENGINE ASSEMBLY	
					FIG. 36 WATER PUMP ASSEMBLY	
1	PBFFF	4320-01-518-5050	5B337	FP00900	PUMP,CENTRIFUGAL	1
2	PAFZZ		5B337	1122300	. STRAINER	1
3	PAFZZ		5B337	3601401	. O-RING	1
4	PAFZZ		5B337	1122400	. SCREEN	1
5	PAFZZ	5330-01-517-3220	5B337	3816100	. GASKET	1
6	PAFZZ		5B337	5400033	. SCREW,CAP,HEX HEAD .375-16X.063	8
7	PAFZZ	5310-01-073-7031	96906	MS51859-8	. WASHER,FLAT 3/8	16
8	PAFZZ		5B337	FITTING	. FITTING	1
9	PAFZZ		5B337	1080815	. ELBOW	1
10	PAFZZ		5B337	4401800	. VENT	1
11	PAFZZ		5B337	2054401	. COVER,GEARCASE	1
12	PAFZZ		5B337	5400035	. SCREW,CAP,HEX HEAD .375-16X.088	8
13	PAFZZ		5B337	2305400	. CAP,BEARING	1
14	PAFZZ		5B337	1722000	. BEARING,BALL 308 SFF	3
15	PAFZZ	2805-01-517-9317	5B337	2002700	. ENGINE ADAPTER	1
16	PAFZZ		5B337	3602447	. KEY 0.38X2.375	1
17	PAFZZ		5B337	5010213	. SHAFT,DRIVE	1
18	PAFZZ		5B337	2713305	. GEAR,DRIVE	1
19	PAFZZ		5B337	3306702	. SPACER 1.75X2.00X1.43	1
20	PAFZZ	5305-01-521-4353	5B337	5401024	. SCREW,CAP,SOCKET HE	4
21	PAFZZ	5310-00-087-7493	96906	MS27183-13	. WASHER,FLAT	4
22	PAFZZ	5310-01-517-3315	5B337	3603503	. WASHER,LOCK 0.375 ID	12
23	PAFZZ	5305-01-517-6040	39428	91287A121	. SCREW,CAP,HEXAGON H M10 X 25 MM	12
24	PAFZZ	3505-01-521-4349	5B337	5400070	. SCREW,CAP,HEXAGON H M10 X 25 MM	3
25	PAFZZ	5310-01-521-3745	5B337	3603505	. WASHER,LOCK	3
26	PAFZZ	4320-01-517-9791	5B337	2905000	. IMPELLER,PUMP,CENTR	1
27	PAFZZ		5B337	1722100	. BEARING,BALL 310 SFF	1
28	PAFZZ		5B337	5016106	. SHAFT,IMPELLER	1
29	PAFZZ		5B337	3602438	. KEY 0.25X2.50	1
30	PAFZZ		5B337	3306700	. SPACER 1.75X2.40X0.86	1
31	PAFZZ		5B337	2712810	. GEAR,PINION	1
32	PAFZZ		5B337	3303400	. SPACER 1.57X2.00X0.71	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
33	PAFZZ	2835-01-517-6991	5B337	3404200	. SEAL RING,LABYRINTH	2
34	PAFZZ	2805-01-518-0391	5B337	3203201	. DEFLECTOR, DIRT AND	1
35	PAFZZ		5B337	3601011	. O-RING	1
36	PAFZZ	2010-01-517-5290	5B337	1840901	. SEAT,MECHANICAL SEAL	1
37	PAFZZ	4320-01-518-1415	5B337	1844501	. SEAL ASSEMBLY,SHAFT 1.750 WELD SPRING	1
38	PAFZZ	5305-00-207-7178	80205	MS24667-28	. SCREW,CAP,SOCKET HE	4
39	PAFZZ	5310-01-517-3319	5B337	3603328	. WASHER,FLAT	1
40	PAFZZ	5315-01-517-3302	5B337	3605205	. PIN,COTTER 0.12 X 1.50 SST	1
41	PAFZZ	5310-01-517-3300	5B337	5403447	. NUT,PLAIN,CASTELLAT 1.00-14 303	1
42	PAFZZ	5331-01-517-3312	5B337	3601228	. O-RING 10.5 X 10.75 X 0.14	1
43	PAFZZ		5B337	3601220	. O-RING	1
44	PAFZZ	4320-01-518-0883	5B337	2806601	. HOUSING SECTION,LIQ PS	1
45	PAFZZ	5310-01-054-4644	06032	2100-0123-001	. NUT,PLAIN,HEX	12
46	PAFZZ		5B337	2153401	. PLUG	1
47	PAFZZ	4320-01-518-0872	5B337	2054510	. HOUSING,LIQUID PUMP LH IMPELLER	1
48	XBFZZ		5B337	1802001	. GEARCASE	1
49	PAFZZ	5310-01-521-3747	5B337	3603016	. WASHER,FLAT	3
50	PAFZZ		5B337	1080533	. PLUG,PIPE	2
51	PAFZZ		5B337	2305300	. CAP,BEARING	1
52	PFFZZ		04664	1336196	FLANGE,PUMP OUTLET,	1
53	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK	12
54	PAFZZ	5305-00-543-2419	80204	B1821BH038C113N	SCREW,CAPHEXAGON H 3/8-16 NC X 1 1/4	12
55	PAFZZ	4730-00-812-0924	96906	MS51531B12	NUT,TUBE COUPLING	1
56	PAFZZ	4730-00-933-0816	96906	MS51520A12	ADAPTER,STRAIGHT,TU	1
57	PAFZZ	4720-01-516-9311	04664	1365583-1	HOSE ASSEMBLY,NONME	1
58	PAFZZ	4730-00-555-1764	96906	MS51504A8	ELBOW,PIPE TO TUBE	1
59	PAFZZ	4730-00-995-1568	96906	MS51508A4Z	ELBOW,PIPE TO TUBE	1
60	PAFZZ	4720-01-517-5405	04664	1365538-2	HOSE ASSEMBLY,NONME	1
61	PAFZZ	4720-01-517-5407	04664	1365583-3	HOSE ASSEMBLY,NONME	1
62	PAFZZ	4730-00-322-8457	96906	MS51500A6-6	ADAPTER,STRAIGHT,PI	1
63	PAFZZ	5305-00-226-4831	80204	B1821BH031C150N	SCREW,CAP,HEXAGON H HEAD,5/16-18 NC (.310)	2
64	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT	2
65	PAFZZ	5310-00-407-9566	80205	MS35338-45	WASHER,LOCK	2
66	PAFZZ	5310-00-880-7744	96906	MS51967-5	NUT,PLAIN,HEXAGON 5/16-18 UNC	2
67	PAFZZ	5365-01-251-2034	96906	MS51518B6	PLUG,MACHINE THREAD	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
68	PAFZZ	4730-01-278-0998	96906	MS51520A6Z	ADAPTER,STRAIGHT,TU	2
69	XBFZZ		04664	1346479	BRACKET,MOUNTING PUMP DRAIN . .	1
70	PAFZZ	5310-01-333-4543	96906	MS35333-130	WASHER,LOCK.	2

END OF FIGURE

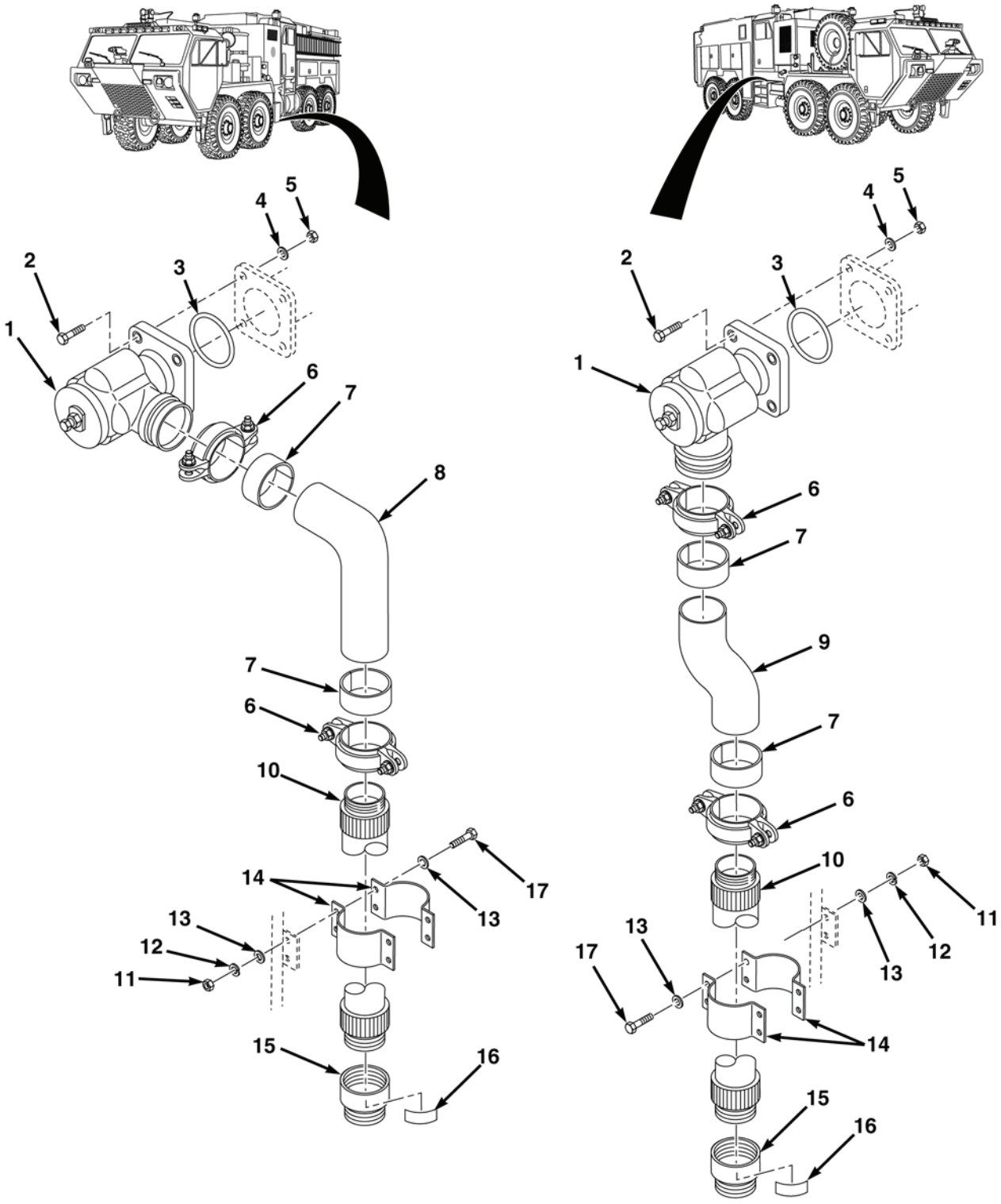


FIG. 37 INTAKE RELIEF/DUMP VALVE INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7602 RELIEF VALVE ASSEMBLY	
					FIG. 37 INTAKE RELIEF/DUMP VALVE INSTALLATION	
1	PAFZZ	4820-01-517-4989	00912	00590101	VALVE,SAFETY RELIEF	2
2	PAFZZ	5305-00-071-2056	80204	B1821BH044C175N	SCREW,CAP,HEXAGON HEAD, 7/16-14 X 1 3/4	8
3	PAFZZ	5331-01-161-2411	00912	7-57-033	O-RING	2
4	PAFZZ	5310-00-019-0669	80205	MS35333-105	WASHER,LOCK NO. 6	8
5	PAFZZ	5310-00-880-8189	96906	MS51967-11	NUT,PLAIN,HEXAGON 7/16-14	8
6	PAFZZ	4730-01-518-1977	79154	L020007PT0	COUPLING,CLAMP,PIPE	19
7	PAFZZ	5330-01-518-2033	79154	2.0INCH07T-GASKET	GASKET	4
8	PAFZZ		04664	1351262	PIPE,INTAKE RELIEF	1
9	PAFZZ		04664	1351263	PIPE,INTAKE RELIEF	1
10	PAFZZ	4720-01-517-5438	04664	1363742	HOSE ASSEMBLY,NONME	2
11	PAFZZ	5310-00-245-3615	80205	MS35649-2314	NUT,PLAIN,HEXAGON 5/16-18	8
12	PAFZZ	5310-00-407-9566	80205	MS35338-45	WASHER,LOCK 5/16	8
13	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	8
14	PAFZZ		04664	1471086-0003	CLAMP,HOSE	4
15	PAFZZ	4730-01-517-5402	04664	1296126-0013	ADAPTER,STRAIGHT,PI	2
16	PAFZZ		04664	91-0391	LABEL,RELIEF VALVE DO NOT CAP	2
17	PAFZZ	5306-00-226-4829	80204	B1821BH031C125N	BOLT,MACHINE 5/16-18 X 1 1/4	8
					END OF FIGURE	

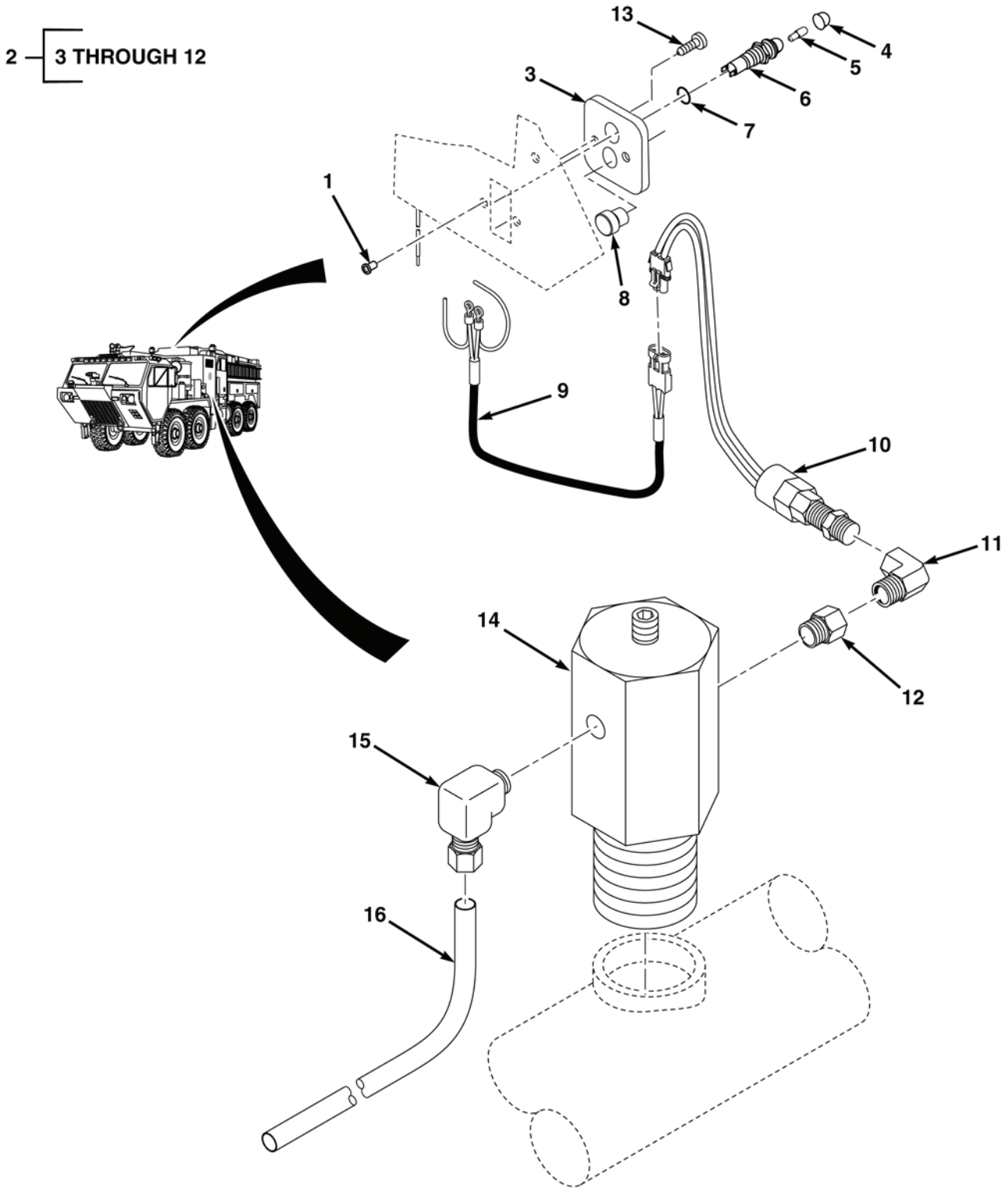


FIG. 38 THERMAL RELIEF VALVE INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7602 RELIEF VALVE ASSEMBLY	
					FIG. 38 THERMAL RELIEF VALVE INSTALLATION	
1	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	2
2	PAFZZ	6220-01-521-2720	26840	200-2600-00-0	LIGHT,INDICATOR.	1
3	XAFZZ		26840	101-1720-00-0	. NAMEPLATE	1
4	XAFZZ		26840	200-0540-13-0	. LENS,RED	1
5	PAFZZ	6240-00-143-3173	88204	1820	. LAMP,INCANDESCENT .100 AMPS . . .	1
6	PAFZZ		26840	200-0540-16-0	. INDICATOR,LIGHT BOD	1
7	PAFZZ	5331-00-805-2966	81343	MS28778-4	. . O-RING 1/4	1
8	XAFZZ		26840	200-0120-04-0	. SWITCH,STARTER	1
9	XAFZZ		26840	513-0360-01-0	. HARNESS,WIRE	1
10	XAFZZ		26840	200-2560-00-0	. SWITCH,PRESSURE	1
11	XAFZZ		26840	082-0145-02-0	. ELBOW,PIPE	1
12	XAFZZ		26840	082-0146-02-0	. COUPLING,PIPE	1
13	PAFZZ	5305-00-989-7435	80205	MS35207-264	SCREW,MACHINE HEAD,10-24 X 5/8 . .	2
14	PAFZZ	4820-01-518-0422	26840	100-0054	VALVE,SAFETY RELIEF	1
15	PAFZZ	4730-01-134-1278	81343	6-2 100202BA	ELBOW,PIPE TO TUBE.	1
16	MFFZZ		04664	944008-60	TUBING,NONMETALLIC MAKE FROM P/N NBR-6-075,CAGE 61424,APPROX 60 IN. LG.	1
					END OF FIGURE	

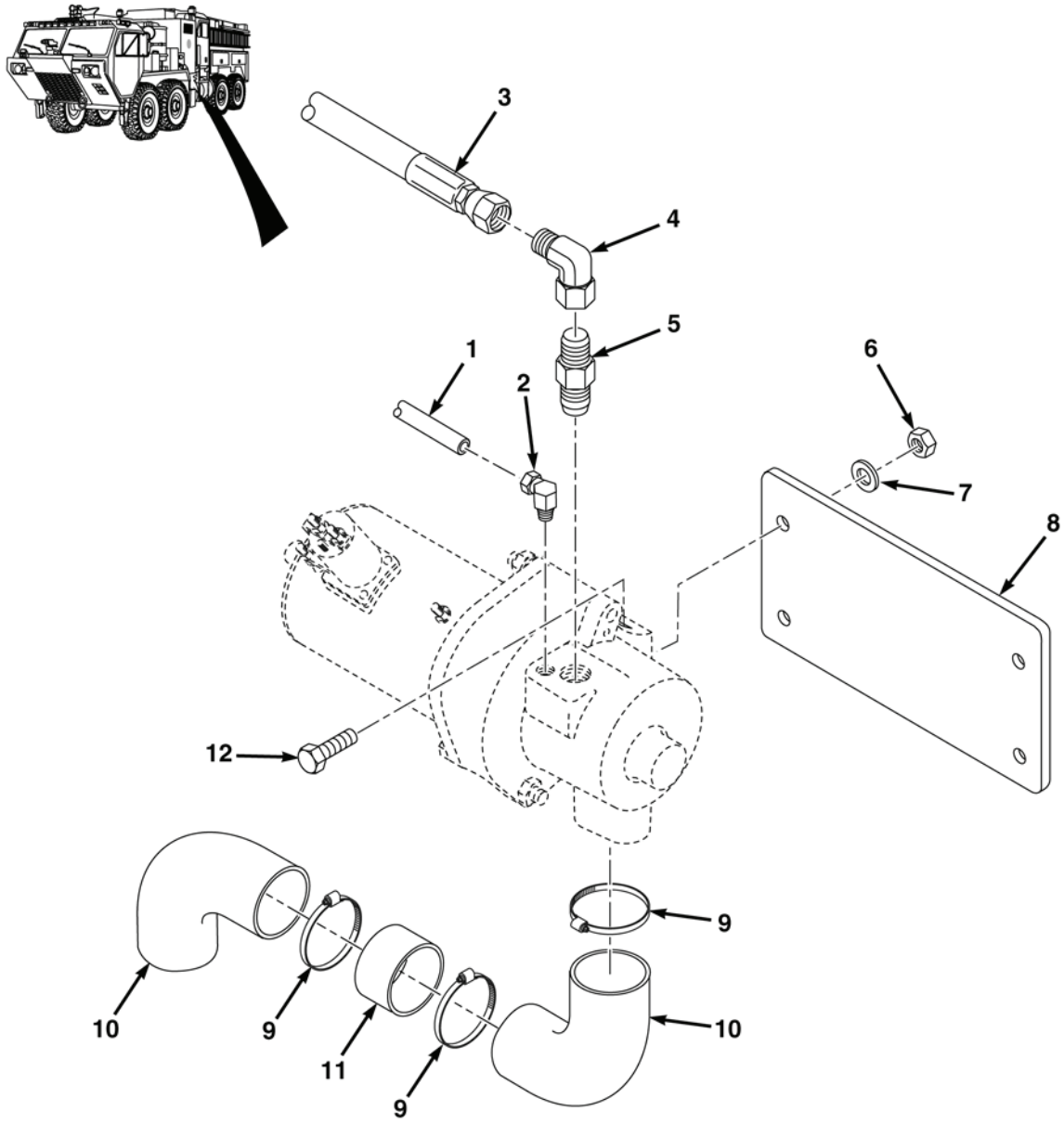


FIG. 39 PRIMER PUMP INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7604 PRIMER PUMP ASSEMBLY	
					FIG. 39 PRIMER PUMP INSTALLATION	
1	MFFZZ		04664	944035-72	TUBING,NONMETALLIC MAKE FROM P/N NT10006BK,CAGE 01276,APPROX 72 IN. LG.	1
2	PAFZZ	4730-00-419-3031	30780	2107-12-12	ELBOW,PIPE	3
3	PAFZZ	4720-01-517-5413	04664	1365398	HOSE ASSEMBLY,NONME 3/4	1
4	PAFZZ	4730-01-254-1251	30780	12 CTX-B	ELBOW,PIPE TO TUBE.	1
5	PAFZZ	4730-00-958-0384	81343	12-12 140130C	COUPLING,PIPE	1
6	PAFZZ	5310-00-088-0553	80205	MS21044N5	NUT,SELF-LOCKING 3/8-24	2
7	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	2
8	PFFZZ		04664	1346509	BRACKET,MOUNTING PRIMER MOTOR	1
9	PAFZZ	4730-01-137-7474	81646	5436	CLAMP,HOSE	3
10	PAFZZ	4720-01-517-6203	07096	90-225-M2	HOSE,PREFORMED	2
11	MFFZZ		04664	931083-4	TUBING MAKE FROM P/N 931083,CAGE 04664,APPROX 4 IN. LG.	6
12	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4	2
					END OF FIGURE	

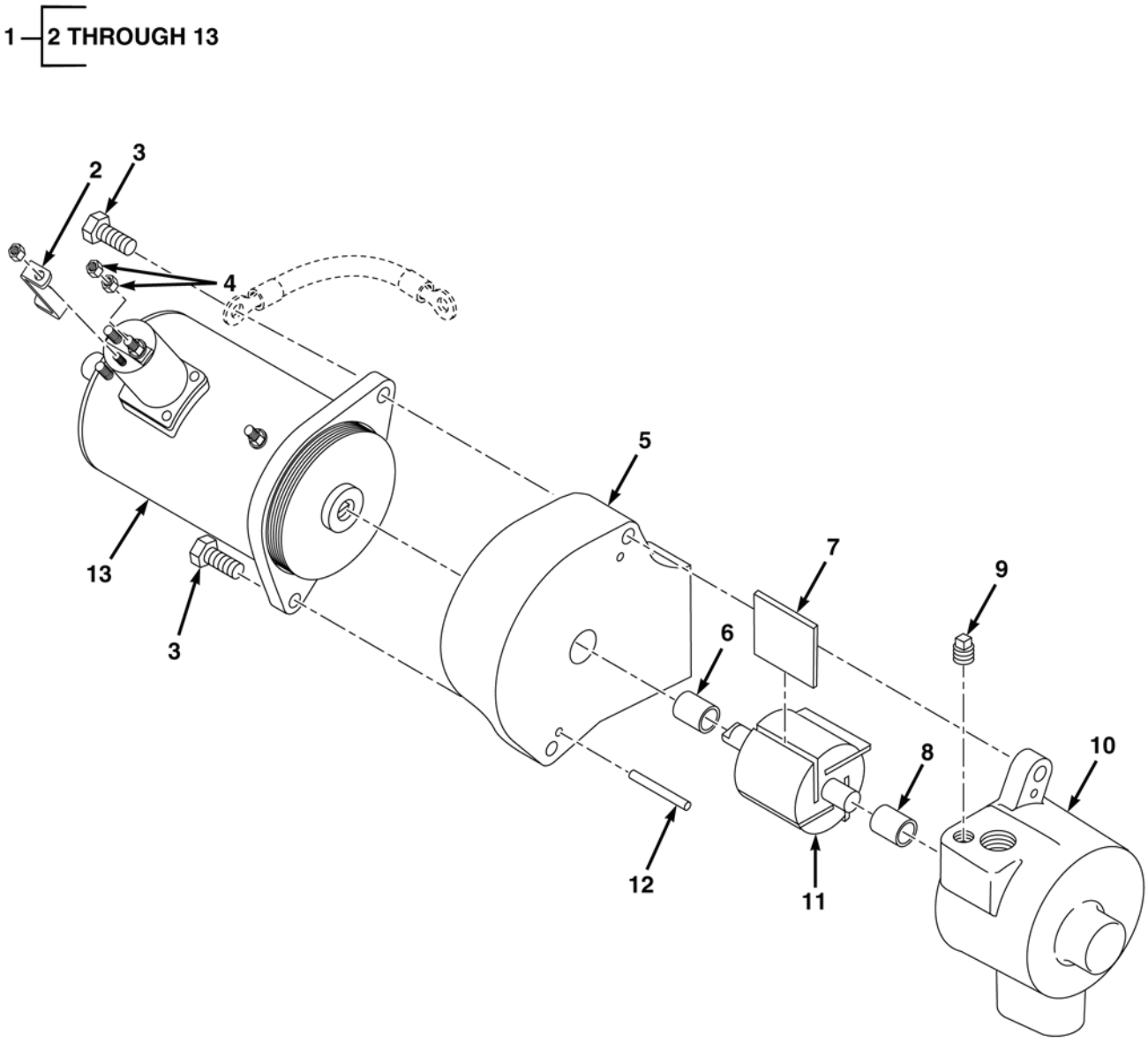


FIG. 40 PRIMER PUMP ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7604 PRIMER PUMP ASSEMBLY	
					FIG. 40 PRIMER PUMP ASSEMBLY	
1	PAFFZ	2910-01-518-0978	26840	501-3090-20	PRIMING SYSTEM OIL-LESS, ESP	1
2	PAFZZ	5999-01-518-3260	26840	513-0190-00-0	. STRIP,ELECTRICAL GROUNDING. . . .	1
3	PAFZZ	5305-01-518-2052	26840	018-1624-20-0	. SCREW,CAP,HEXAGON	2
4	PAFZZ	5310-01-346-3459	26840	110-1600-02-0	NUT,PLAIN,HEXAGON	2
5	PAFZZ	6105-01-518-5791	26840	502-0061-01-0	. END BELL,ELECTRICAL.	1
6	PAFZZ	5330-01-518-2089	26840	296-2710-00-0	. SEAL,PLAIN ENCASED	1
7	PAFZZ	4320-01-518-2071	26840	130-0010-01-0	. VANE,PUMP,ROTARY	4
8	PAFZZ	3120-01-518-2437	26840	250-9111-00-0	. BEARING,SLEEVE	1
9	PAFZZ	5365-01-518-1953	26840	217-0101-13-0	. PLUG,MACHINE THREAD	1
10	PAFZZ		26840	501-1810-01-0	. BODY ASSEMBLY.	1
11	PAFZZ	4320-01-518-2064	26840	537-0281-01-0	. ROTOR AND SHAFT.	1
12	PAFZZ	5315-01-518-2088	02978	054-6311-01-0	. PIN,STRAIGHT,HEADLE.	2
13	PAFZZ		26840	200-0062-00-0	. MOTOR,UNIVERSAL	1
					END OF FIGURE	

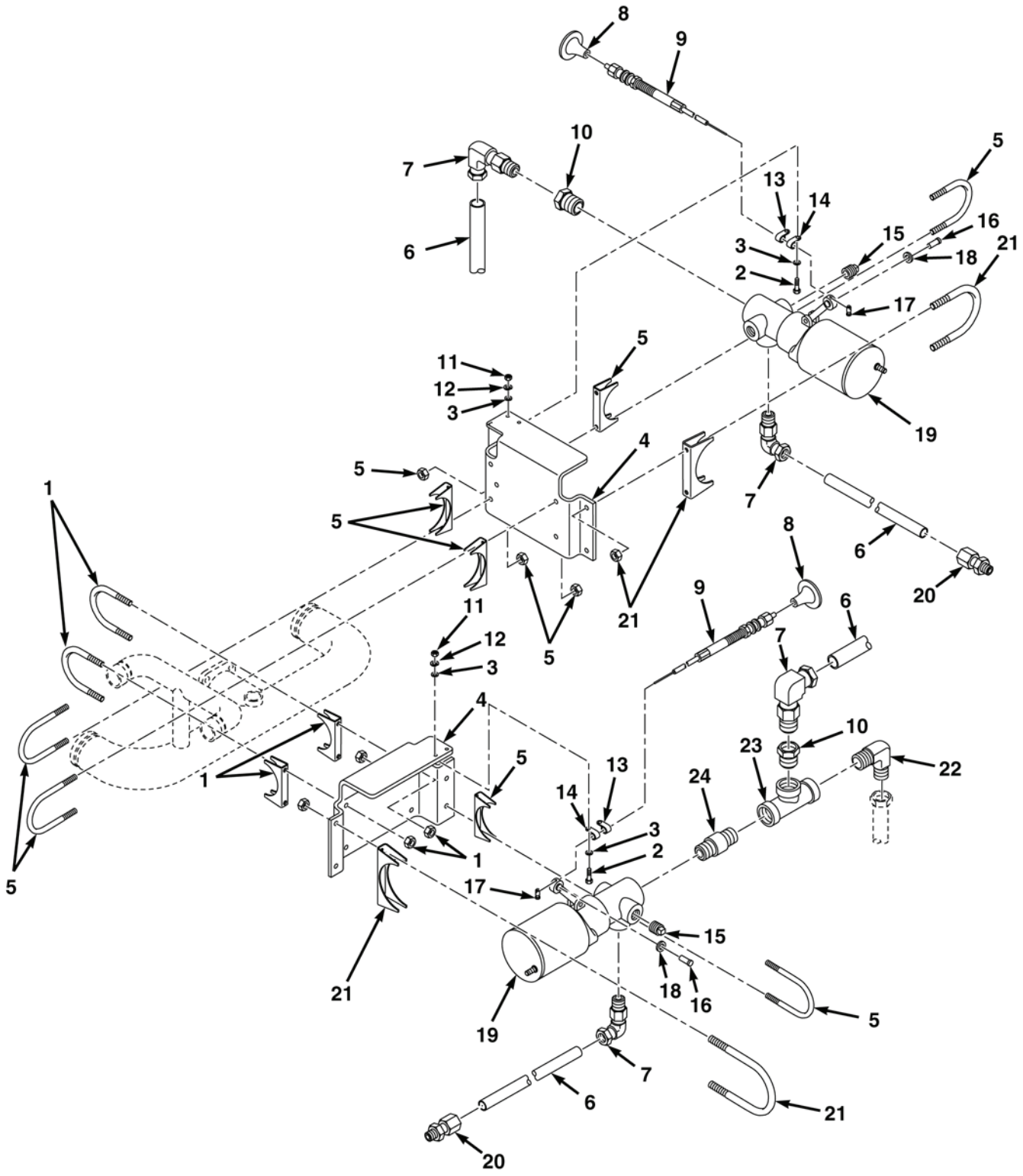


FIG. 41 PRIMER PUMP VALVE INSTALLATION (SHEET 1 OF 2)

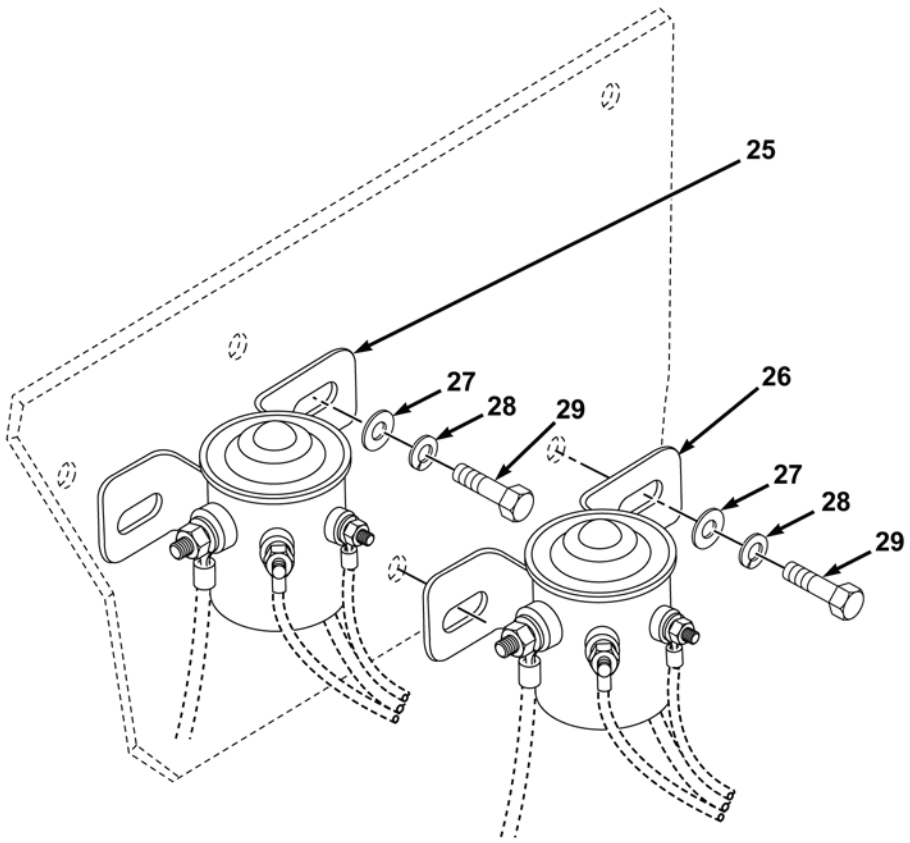


FIG. 41 PRIMER PUMP VALVE INSTALLATION (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7604 PRIMER PUMP ASSEMBLY	
					FIG. 41 PRIMER PUMP VALVE INSTALLATION	
1	PAFZZ	5340-01-517-3680	96566	139275-00	CLAMP,LOOP	2
2	PAFZZ	5305-00-988-1727	80205	MS35206-283	SCREW,MACHINE 1/4-20 X 1	4
3	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	8
4	PFFZZ		04664	1352360	BRACKET,MOUNTING PRIMER VALVE	2
5	PAFZZ	5340-01-384-3005	96906	MS52150-2SA-D	CLAMP,LOOP 1 1/4	4
6	MFFZZ		04664	944035-84	TUBING,NONMETALLIC MAKE FROM P/N NT10006BK,CAGE 01276,APPROX 84 IN. LG.	4
7	PAFZZ	4730-01-291-8460	93061	269CA-6-2	ELBOW,PIPE TO TUBE	4
8	PAFZZ	5355-01-517-6014	04664	1195594	KNOB	2
9	PAFZZ	2590-01-516-6913	60602	000-36331-0000	CABLE ASSEMBLY CONTROL	2
10	PAFZZ	4730-00-278-3888	30780	0102-12-8	REDUCER,PIPE 3/4 X 1/2	2
11	PAFZZ	5310-00-763-8913	96906	MS51967-17	NUT,PLAIN,HEXAGON 9/16-12	2
12	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	2
13	PAFZZ	5340-00-843-7825	80205	MS21333-68	CLAMP,LOOP	2
14	PAFZZ	5340-01-038-9481	75272	COV0509Z1	CLAMP,LOOP	2
15	PAFZZ	4730-01-487-4686	93061	211P-6	PLUG,PIPE	2
16	PAFZZ	5315-01-342-4055	39428	98306A269	PIN,STRAIGHT,HEADED	2
17	PAFZZ	4030-01-518-3844	72741	100-015	CLAMP,WIRE ROPE	2
18	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	2
19	PAFZZ	4810-00-555-6033	79218	8683-24	VALVE,SOLENOID	2
20	PAFZZ	4730-01-096-9128	93061	68NTA-6-6	ADAPTER,STRAIGHT,PI PIPE TO TUBE	2
21	PAFZZ	5340-01-244-4707	04664	80-6006	CLAMP,LOOP 3.00	2
22	PAFZZ	4730-01-254-1251	30780	12 CTX-B	ELBOW,PIPE TO TUBE	1
23	PAFZZ	4730-01-300-4114	39428	4464K52	TEE,PIPE 3/4	1
24	PAFZZ	4730-00-196-1982	96906	MS51846-46	NIPPLE,PIPE	1
25	PAFZZ	5945-01-516-0446	13445	24063	RELAY,ELECTROMAGNET	2
26	PAFZZ	5945-01-516-0446	13445	24063	RELAY,ELECTROMAGNET	2
27	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT .312	4
28	PAFZZ	5310-00-933-8122	96906	MS35338-159	WASHER,LOCK .312	4
29	PAFZZ	5305-01-082-0049	11939	93543216	SCREW,CAP,HEX HEAD .312-18 X 1	4
					END OF FIGURE	

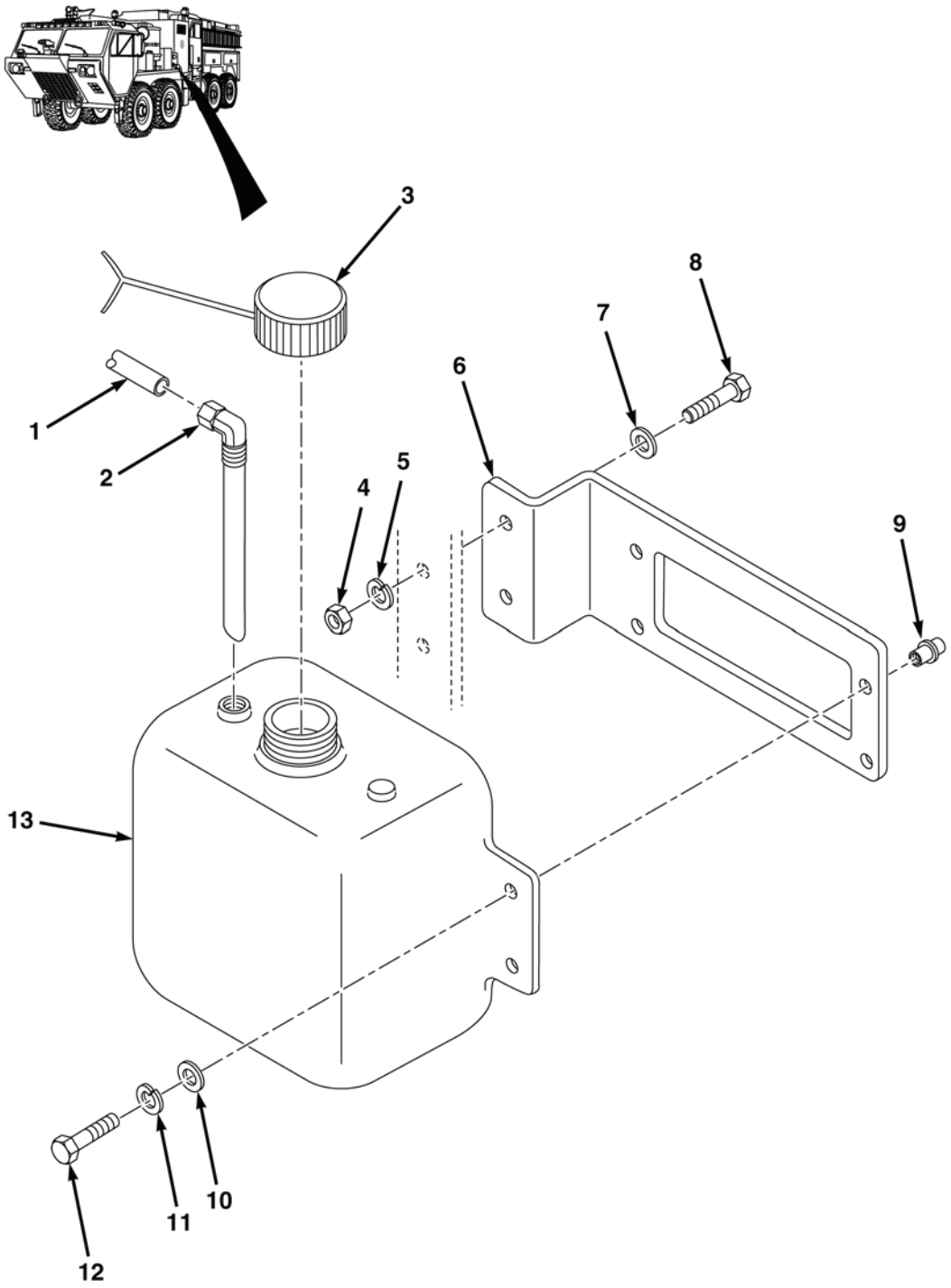


FIG. 42 PRIMER PUMP TANK INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7604 PRIMER PUMP ASSEMBLY	
					FIG. 42 PRIMER PUMP TANK INSTALLATION	
1	MFFZZ		04664	940006-120	HOSE,HYDRAULIC MAKE FROM P/N 79510,CAGE 04627,APPROX 120 IN. LG.	1
2	PAFZZ	4710-01-518-0901	0GXM6	12063	TUBE ASSEMBLY SET	1
3	PAFZZ	2590-01-517-5282	0E3E3	063361	CAP,FILLER OPENING	1
4	PAFZZ	5310-00-087-4652	81349	M45913/1-6CG5C	NUT,SELF-LOCKING 3/8-16	2
5	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	2
6	PFFZZ		04664	1342524	BRACKET,PRIMER TANK	1
7	PAFZZ	5310-00-809-8541	96906	MS27183-27	WASHER,FLAT 1	2
8	PAFZZ	5305-00-068-0509	80204	B1821BH025C125N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1 1/4.	2
9	PAFZZ	5325-01-517-2270	04664	82-0257-0002	INSERT,SCREW THREAD 1/4-20	4
10	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	4
11	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8.	4
12	PAFZZ	5305-00-543-2419	80204	B1821BH038C113N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/8.	4
13	PAFZZ	4210-01-518-5340	0E3E3	062200	TANK,FIRE FIGHTING.	1
					END OF FIGURE	

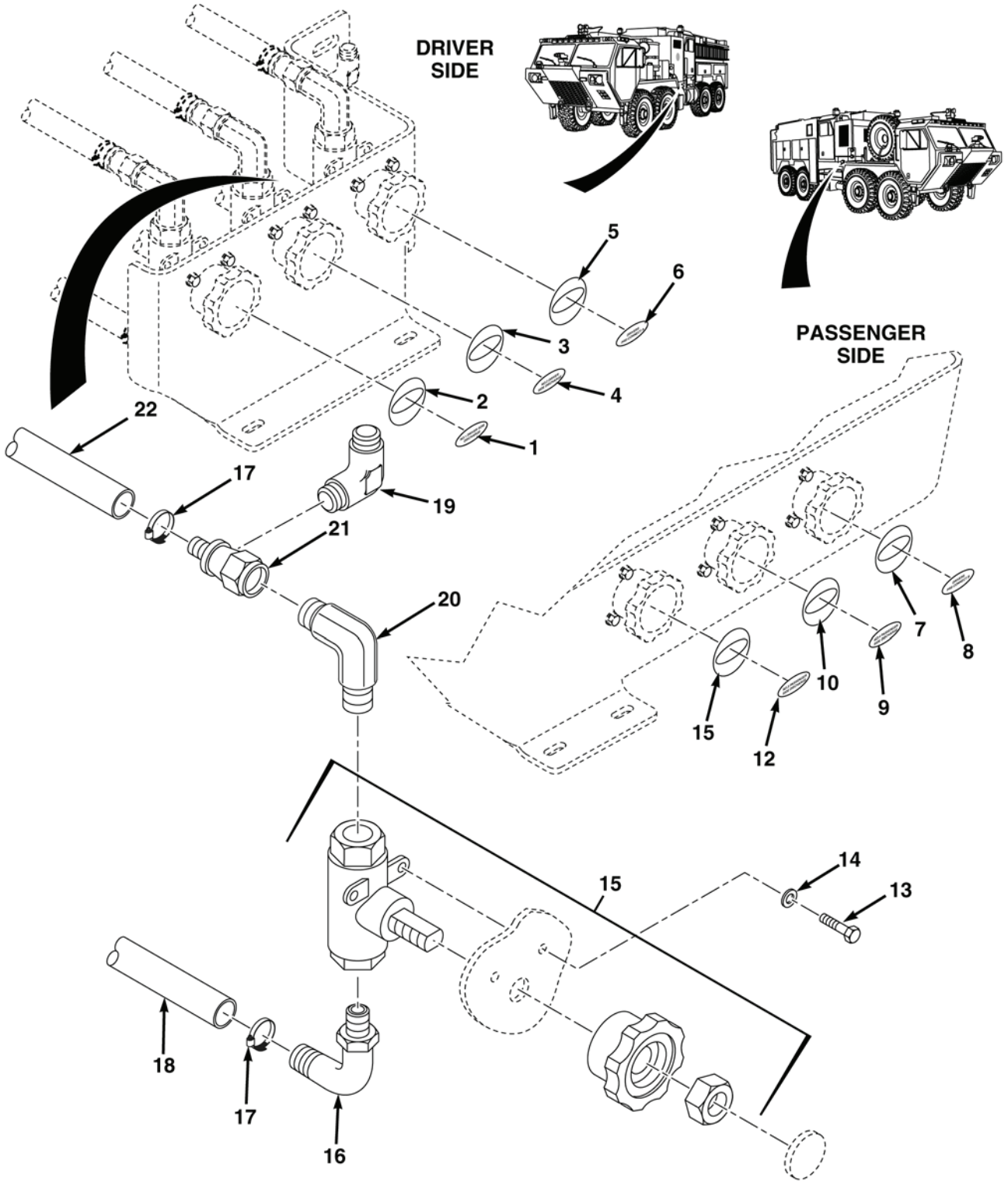


FIG. 43 DISCHARGE DRAIN VALVES

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7606 DRAIN VALVE ASSEMBLY	
					FIG. 43 DISCHARGE DRAIN VALVES	
1	PAFZZ		1JWQ8	1093687-0001	TAG,COLOR,DRAIN VALVE,RED	1
2	PAFZZ		1JWQ8	1104751-0003	TAG-O,#1 DISCHARGE.	1
3	PAFZZ		1JWQ8	1093687-0002	TAG,COLOR,DRAIN VALVE,BLUE	1
4	PAFZZ		04664	1105392-0003	TAG-O, #2 DISCHARGE	1
5	PAFZZ		04664	1093687-0004	TAG,COLOR,DRAIN VALVE,MINT GREEN	1
6	PAFZZ		04664	1126759-0003	TAG-O,DRIVER PRE-CONNECT A.	1
7	PAFZZ		1JWQ8	1093687-0007	TAG,COLOR,DRAIN VALVE,YELLOW . .	1
8	PAFZZ		04664	1126779-0003	TAG-O,DRIVER PRE-CONNECT B.	1
9	PAFZZ		04664	1105407-003	TAG,#4 DISCHARGE.	1
10	PAFZZ		04664	1093687-0006	TAG,COLOR,DRAIN VALVE,BROWN . . .	1
11	PAFZZ		04664	1093687-0003	TAG,COLOR,DRAIN VALVE,ORANGE . .	1
12	PAFZZ		04664	1105403-0003	TAG-O, #3 PS	1
13	PAFZZ	5305-00-082-6721	96906	MS51957-81	SCREW,MACHINE 1/4-20 X 3/4	12
14	PAFZZ	5310-00-562-2826	39428	90295A140	WASHER,FLAT	12
15	PAFZZ	4820-01-517-8975	06CG4	106381	COCK,DRAIN.	6
16	PAFZZ	4730-00-239-3080	72661	TLS68	ELBOW,PIPE TO HOSE	6
17	PAFZZ	4730-01-333-2273	81646	6410	CLAMP,HOSE	12
18	MFFZZ		04664	940004-48	HOSE,HEATER MAKE FROM P/N 580004191, CAGE 0CME1,APPROX 48 IN. LG.	6
19	PAFZZ	4730-00-278-4824	93061	2202P-4-4	ELBOW,PIPE	2
20	PAFZZ	4730-01-254-1251	30780	12 CTX-B	ELBOW,PIPE TO TUBE.	6
21	PAFZZ	4730-01-114-8326	56161	10557954-2	ADAPTER,STRAIGHT TUBE TO HOSE .	6
22	MFFZZ		04664	940093-48	HOSE,NONMETALLIC MAKE FROM P/N 801-12,CAGE 87373,APPROX 48 IN. LG.	6
					END OF FIGURE	

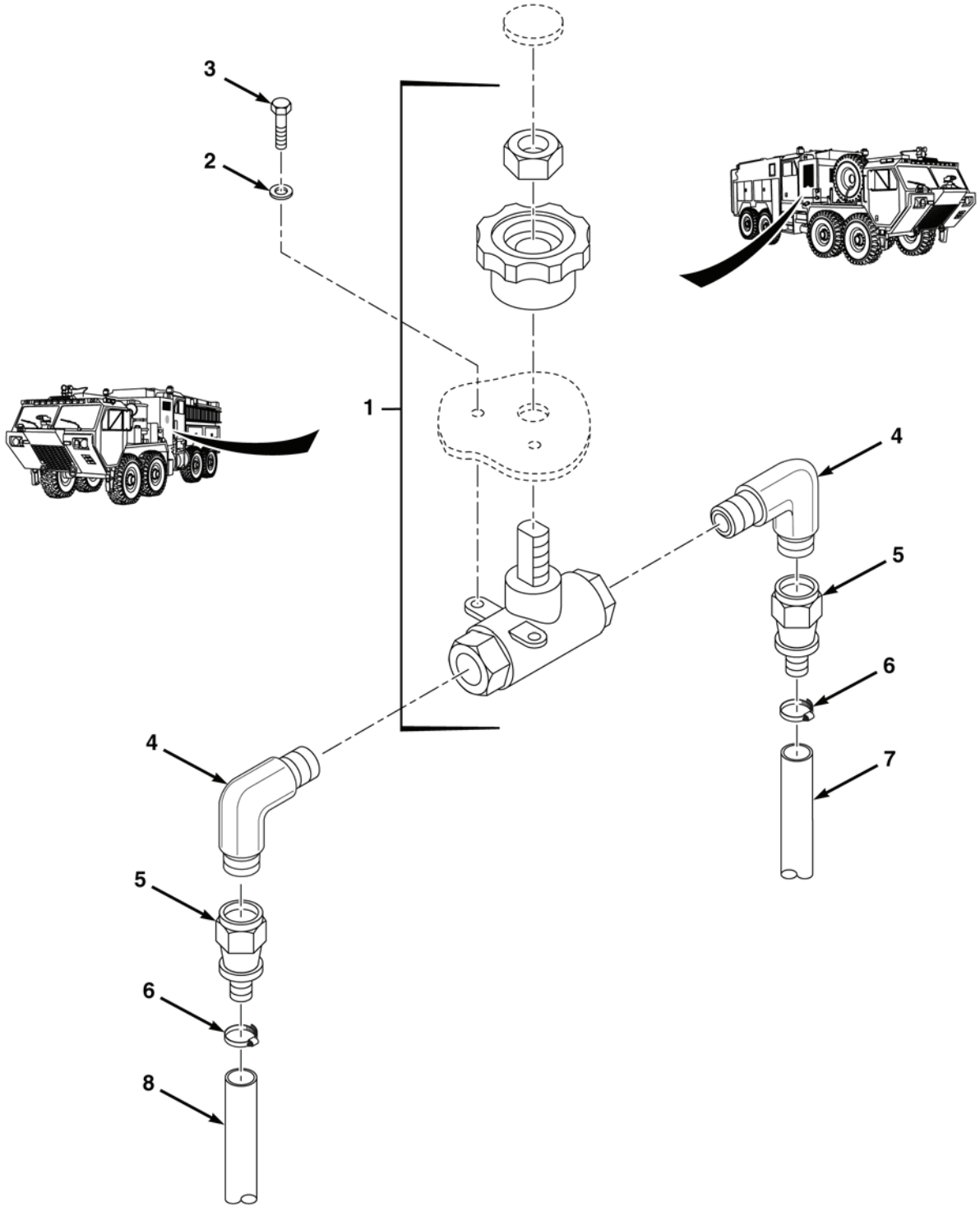


FIG. 44 MAIN AND AUXILIARY INLET BLEEDER VALVES

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7606 DRAIN VALVE ASSEMBLY	
					FIG. 44 MAIN AND AUXILIARY INLET BLEEDER VALVES	
1	PAFZZ	4820-01-517-8975	06CG4	106381	COCK,DRAIN.	2
2	PAFZZ	5310-00-562-2826	39428	90295A140	WASHER,FLAT	4
3	PAFZZ	5305-00-050-9229	96906	MS51957-63	SCREW,MACHINE 1/4-20 X 1/2	4
4	PAFZZ	4730-00-239-3080	72661	TLS68	ELBOW,PIPE TO HOSE	4
5	PAFZZ	4730-01-114-8326	56161	10557954-2	ADAPTER,STRAIGHT TUBE TO HOSE .	4
6	PAFZZ	5340-01-517-3677	25281	5840247	CLAMP,LOOP	4
7	MFFZZ		04664	940004-110	HOSE,HEATER MAKE FROM P/N 580004191,CAGE 0CME1,APPROX 110 IN. LG.	2
8	MFFZZ		04664	940093-195	HOSE,NONMETALLIC,DS MAKE FROM P/N 801-12,CAGE 87373, APPROX 195 IN. LG.	1
8	MFFZZ		04664	940093-217	HOSE,NONMETALLIC,PS MAKE FROM P/N 801-12,CAGE 87373, APPROX 217 IN. LG.	1
					END OF FIGURE	

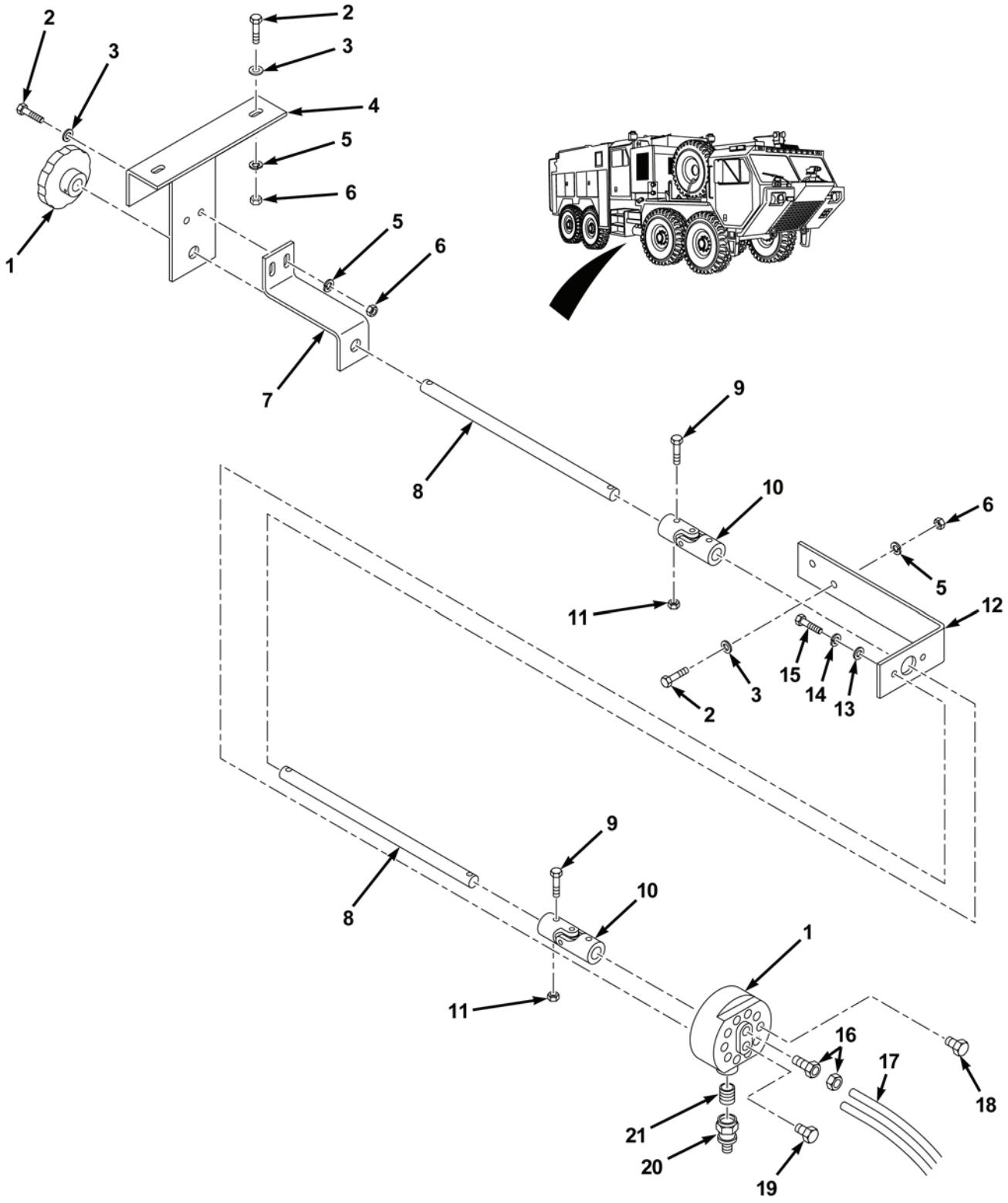


FIG. 45 MULTI-PORT DRAIN

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7606 DRAIN VALVE ASSEMBLY	
					FIG. 45 MULTI-PORT DRAIN	
1	PAFZZ	4820-01-517-8976	06CG4	107370	COCK,DRAIN	1
2	PAFZZ	5305-00-725-2317	80204	B1821BH038C150N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/2	8
3	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	8
4	PFFZZ		04664	1343079	BRACKET,DRAIN	1
5	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	2
6	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	2
7	PFFZZ		04664	1343078	BRACKET,DRAIN ROD GUIDE	1
8	PAFZZ		04664	1394878	ROD,DRAIN,MASTER	2
9	PAFZZ	5305-00-225-3842	80204	B1821BH025C113N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1 1/8	4
10	PAFZZ		04664	51-1641-0001	U-JOINT STEEL,.63 IN. LG	2
11	PAFZZ	5310-00-761-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON 1/4-20	4
12	PFFZZ		04664	1343077	BRACKET,MOUNTING MULTI DRAIN	1
13	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	2
14	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	2
15	PAFZZ	5305-00-050-9229	96906	MS51957-63	SCREW,MACHINE 1/4-20 X 1/2	2
16	PAFZZ	4730-01-096-9128	93061	68NTA-6-6	ADAPTER,STRAIGHT,PI PIPE TO TUBE	5
17	MFFZZ		79470	944011-12	TUBING,NONMETALLIC MAKE FROM P/N NT10006BK100,CAGE 01276, APPROX 12 IN. LG	5
18	PAFZZ	4730-00-427-5121	01276	2082-6B	PLUG,PIPE	3
19	PAFZZ	4730-00-012-7951	01276	2082-4B	PLUG,PIPE 1/4	4
20	PAFZZ	4730-01-114-8326	56161	10557954-2	ADAPTER,STRAIGHT TUBE TO HOSE	1
21	PAFZZ	4730-01-305-8657	39428	4830K191	NIPPLE,PIPE	1
					END OF FIGURE	

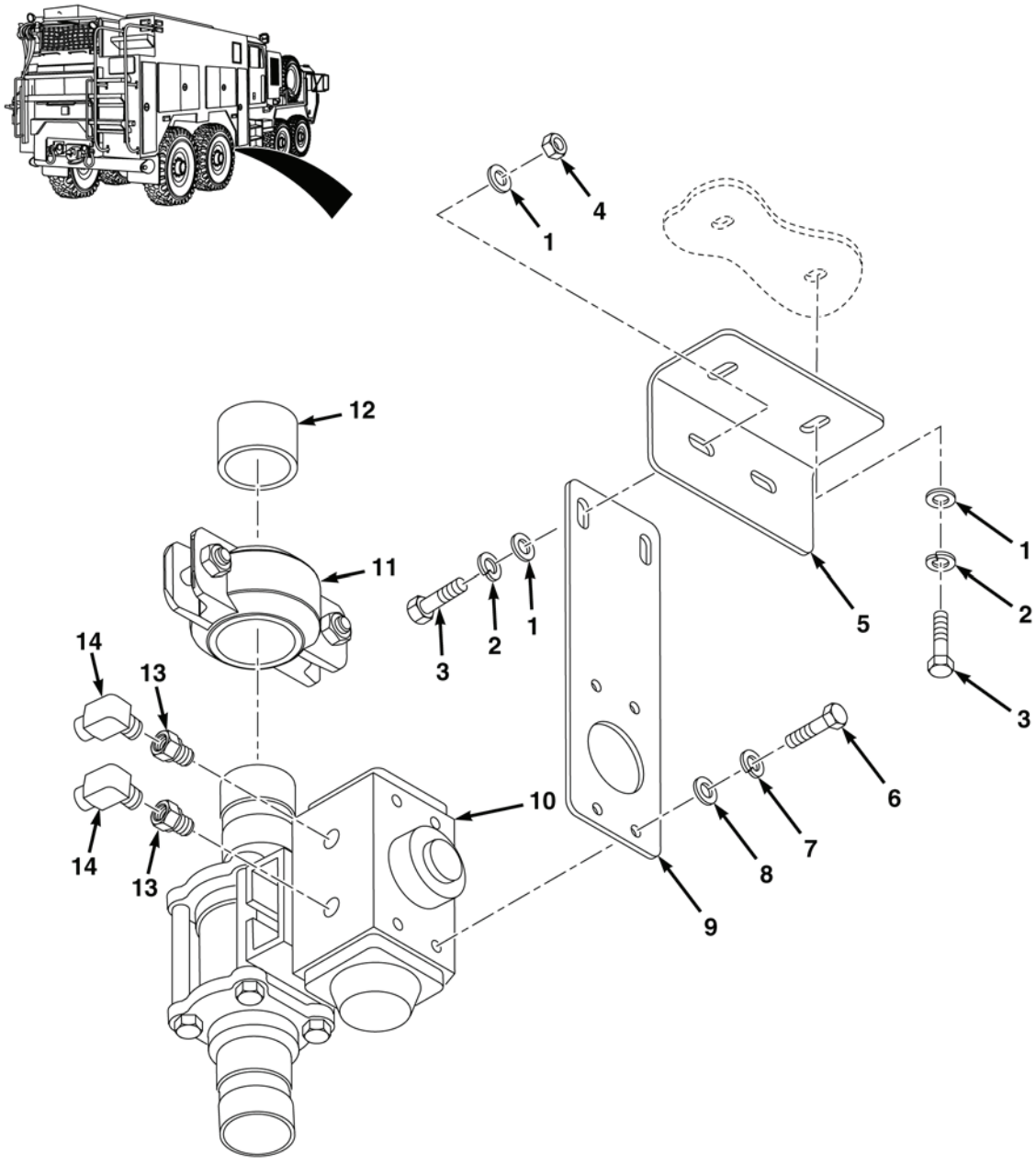


FIG. 46 WATER TANK DRAIN VALVE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7606 DRAIN VALVE ASSEMBLY	
					FIG. 46 WATER TANK DRAIN VALVE	
1	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	6
2	PAFZZ	5310-00-407-9566	80205	MS35338-45	WASHER,LOCK 5/16	4
3	PAFZZ	5306-00-637-9675	96906	MS35307-332	BOLT,MACHINE 5/16-18 X 3/4	4
4	PAFZZ	5310-00-851-2682	24617	451519	NUT,PLAIN,HEXAGON 3/8-16	2
5	PFFZZ		04664	1346474	BRACKET,MOUNTING TANK DRAIN	1
6	PAFZZ	5305-00-071-1316	96906	MS51957-80	SCREW,MACHINE 1/4-20 X 5/8	4
7	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	4
8	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	4
9	PFFZZ		04664	1355933	BRACKET,MOUNTING TANK DRAIN	1
10	PAFZZ	4820-01-517-5333	04664	1332091-0150	VALVE,BALL	1
11	PAFZZ	4730-01-518-1972	79154	1.5INCH07T	COUPLING,CLAMP,PIPE	2
12	PAFZZ	5330-01-518-2027	79154	G014077LT0	GASKET	2
13	PAFZZ	4730-00-202-6491	93061	209P-6-4	BUSHING,PIPE	2
14	PAFZZ	4730-01-086-4064	81343	SAE J246 4-4 100202BA	ELBOW,PIPE TO TUBE 90 DEG	2
					END OF FIGURE	

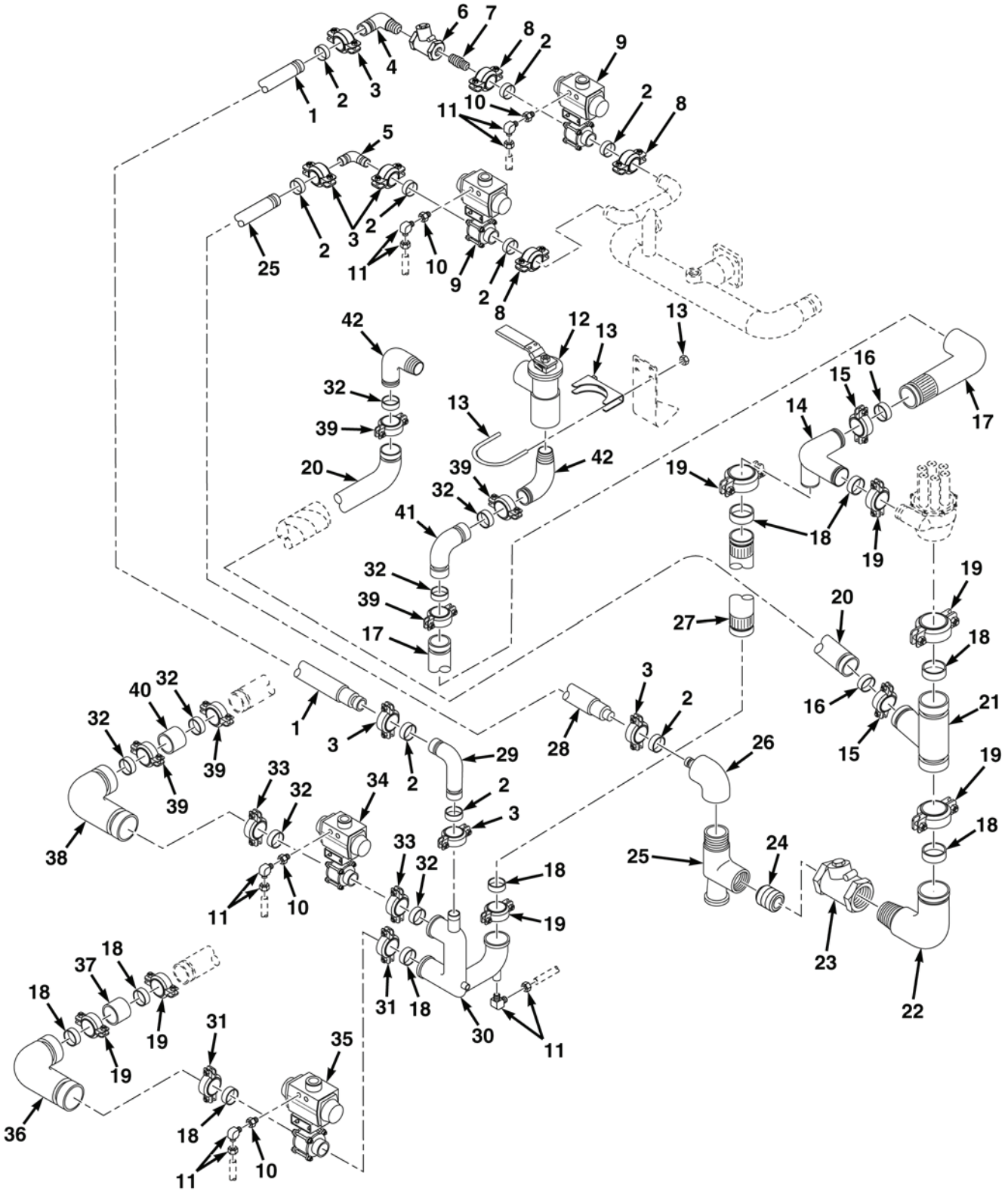


FIG. 47 FOAM SYSTEM PIPING

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7612 FOAM TANK ASSEMBLY	
					FIG. 47 FOAM SYSTEM PIPING	
1	PAFZZ	4720-01-517-5415	04664	1363616	HOSE ASSEMBLY,NONME	1
2	PAFZZ	5330-01-518-2067	79154	1.0INCH07T-GASKET	. GASKET	9
3	PAFZZ		04664	51-6029-0100	COUPLING,CLAMP PIPE STYLE 75 X 1	6
4	PAFZZ		04664	1336198	ELBOW,FLUSH	1
5	PAFZZ		04664	1348552	PIPE,ELBOW 1 IN	1
6	PAFZZ	4820-01-517-5337	04664	51-0030	VALVE,CHECK	1
7	PAFZZ		04664	53-4784-0001	FITTING,GROOVED	1
8	PAFZZ	4730-01-518-1981	79154	1.0INCH07T	COUPLING,CLAMP,PIPE STYLE 07 X 1	3
9	PAFZZ	4820-01-517-5334	04664	1332091-0100	VALVE,BALL	2
10	PAFZZ	4730-00-202-6491	93061	209P-6-4	BUSHING,PIPE	8
11	PAFZZ	4730-01-086-4064	81343	SAE J246 4-4 100202BA	ELBOW,PIPE TO TUBE 90 DEG	8
12	PAFZZ	4210-01-518-5336	11939	3217-7001-5	PROPORTIONER,FOAM L	1
13	PAFZZ	5340-01-398-6995	72741	656-214	CLAMP,LOOP 2 1/4	2
14	PAFZZ		04664	1348484	PIPE,MULTIMETERING VALVE	1
15	PAFZZ	4730-01-133-4256	1F524	KG160-2X1.5WZ	COUPLING,CLAMP,PIPE	2
16	PAFZZ	5330-01-518-2025	79154	KG160-2X1.5WZ-GASKET	. GASKET	2
17	PAFZZ	4720-01-517-5421	04664	1363732	HOSE ASSEMBLY,NONME	1
18	PAFZZ	5330-01-518-2033	79154	2.0INCH07T-GASKET	. GASKET	9
19	PAFZZ	4730-01-518-1977	79154	L020007PT0	COUPLING,CLAMP,PIPE	9
20	PAFZZ	4720-01-517-5424	04664	1363734	HOSE ASSEMBLY,NONME	1
21	PAFZZ		04664	1348478	TEE,MULTIMETERING VALVE	1
22	PAFZZ		04664	1336210	ELBOW,FOAM SYSTEM	1
23	PAFZZ	4820-01-518-2434	20266	UR-20-1.5 ZZA	VALVE,REGULATING,FL 1.5 IN	2
24	PAFZZ	4730-00-542-4658	21450	501191	NIPPLE,PIPE 1.5 IN	1
25	PAFZZ		05646	3220-8009-5	EDUCTOR	1
26	PAFZZ		04664	1336211	ELBOW,EDUCTOR WATER	1
27	PAFZZ	4720-01-517-5419	04664	1363729	HOSE ASSEMBLY,NONME	1
28	PAFZZ	4720-01-517-5417	04664	1363713	HOSE ASSEMBLY,NONME	1
29	PAFZZ		04664	1358080	PIPE,ELBOW,1.0"	1
30	PAFZZ		04664	1336203	PIPE,FOAM SUPPLY	1
31	PAFZZ		04664	51-2865	COUPLING,PIPE	3
32	PAFZZ	5330-01-518-2027	79154	G014077LT0	GASKET	9
33	PAFZZ	4730-01-518-1972	79154	1.5INCH07T	COUPLING,CLAMP,PIPE	6

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
34	PAFZZ	4820-01-517-5333	04664	1332091-0150	VALVE,BALL	1
35	PAFZZ	4820-01-517-5336	04664	1332091-0200	VALVE,BALL	1
36	PAFZZ		04664	1348554	PIPE,ELBOW,2"	1
37	PAFZZ		04664	1331462-0013	VALVE,CHECK	1
38	PAFZZ		04664	1348486	PIPE,FOAM "A" SUPPLY	1
39	PAFZZ		04664	51-6029-0150	COUPLING,CLAMP PIPE	6
40	PAFZZ		04664	1331462-0001	VALVE,CHECK	1
41	PAFZZ		04664	1348553	PIPE,ELBOW,1.5"	1
42	PAFZZ		04664	1348485	PIPE,MANUAL METERING VALVE	2

END OF FIGURE

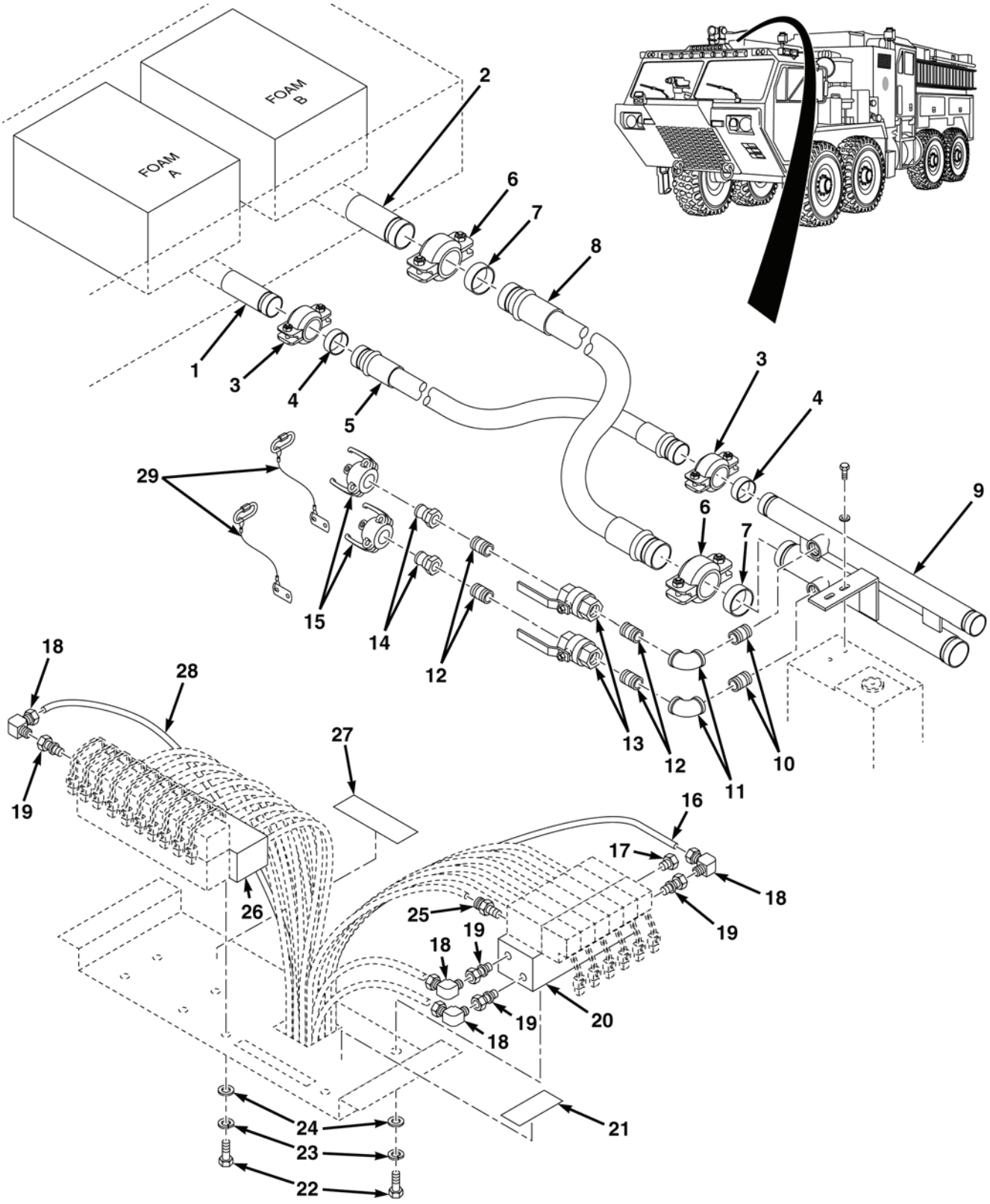


FIG. 48 FOAM SYSTEM CONNECTORS/CONTROLS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7612 FOAM TANK ASSEMBLY	
					FIG. 48 FOAM SYSTEM CONNECTORS/CONTROLS	
1	PAFZZ		04664	53-9338-0136	FITTING,GROOVED	1
2	PAFZZ		04664	53-9338-0136	FITTING,GROOVED	1
3	PAFZZ	4730-01-518-1972	79154	1.5INCH07T	COUPLING,CLAMP,PIPE STYLE 07	2
4	PAFZZ	5330-01-518-2027	79154	G014077LT0	GASKET	2
5	PAFZZ	4720-01-517-5440	04664	1363715	HOSE ASSEMBLY,NONME	1
6	PAFZZ	4730-01-518-1977	79154	L020007PT0	COUPLING,CLAMP,PIPE STYLE 07 X 2	2
7	PAFZZ	5330-01-518-2033	79154	2.0INCH07T-GASKET	GASKET	2
8	PAFZZ	4720-01-517-5441	04664	1363724	HOSE ASSEMBLY,NONME	1
9	PAFZZ		04664	1348479	PIPE,FOAM TANK DRAIN	1
10	PAFZZ	4730-01-305-8661	39428	4830K223	NIPPLE,PIPE	2
11	PAFZZ	4730-01-300-4090	39428	4464K15	ELBOW,PIPE	2
12	PAFZZ	4730-01-282-1695	39428	4830K261	NIPPLE,PIPE	4
13	PAFZZ	4820-01-517-9786	72219	70-105-27	VALVE,BALL	2
14	PAFZZ	4730-01-517-9028	04664	1187755	ADAPTER,STRAIGHT,PI 1 IN. FNPT X 1 IN. LG.	2
15	PAFZZ	5340-01-517-3695	04664	1187757	CAP,PROTECTIVE,DUST 1 IN. LG.	2
16	MFFZZ		04664	1111827-0001-360	TUBING,NONMETALLIC MAKE FROM P/N PFT-4A-RED,CAGE 61424,APPROX 360 IN. LG.	30
17	PAFZZ	5365-01-251-2034	96906	MS51518B6	PLUG,MACHINE THREAD	2
18	PAFZZ	4730-01-055-4013	93061	269NTA-4-2	ELBOW,PIPE TO TUBE	6
19	PAFZZ	4730-01-096-9398	93061	68NTA-4-6	ADAPTER,STRAIGHT,PI PIPE TO TUBE	6
20	PAFZZ	4810-01-517-8579	1ET59	203031201-60	VALVE ASSEMBLY,MANI	1
21	PAFZZ		04664	1365726	TAG,AIR MANIFOLD	1
22	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON 1/4-20 X 3/4	7
23	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	7
24	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	14
25	PAFZZ	4730-01-521-2609	93061	68PMT-4-6	ADAPTER,STRAIGHT,PI	32
26	PAFZZ	4810-01-517-8582	1ET59	203031202-60	VALVE ASSEMBLY,MANI	1
27	PAFZZ		04664	1365723	TAG,AIR MANIFOLD	1
28	MFFZZ		04664	1111827-0002-360	TUBING,NONMETALLIC MAKE FROM P/N PFT-4A-BLU,CAGE 98441,APPROX 360 IN. LG.	30
29	PAFZZ	4010-01-518-1029	04664	1364913	WIRE ROPE ASSEMBLY	2
					END OF FIGURE	

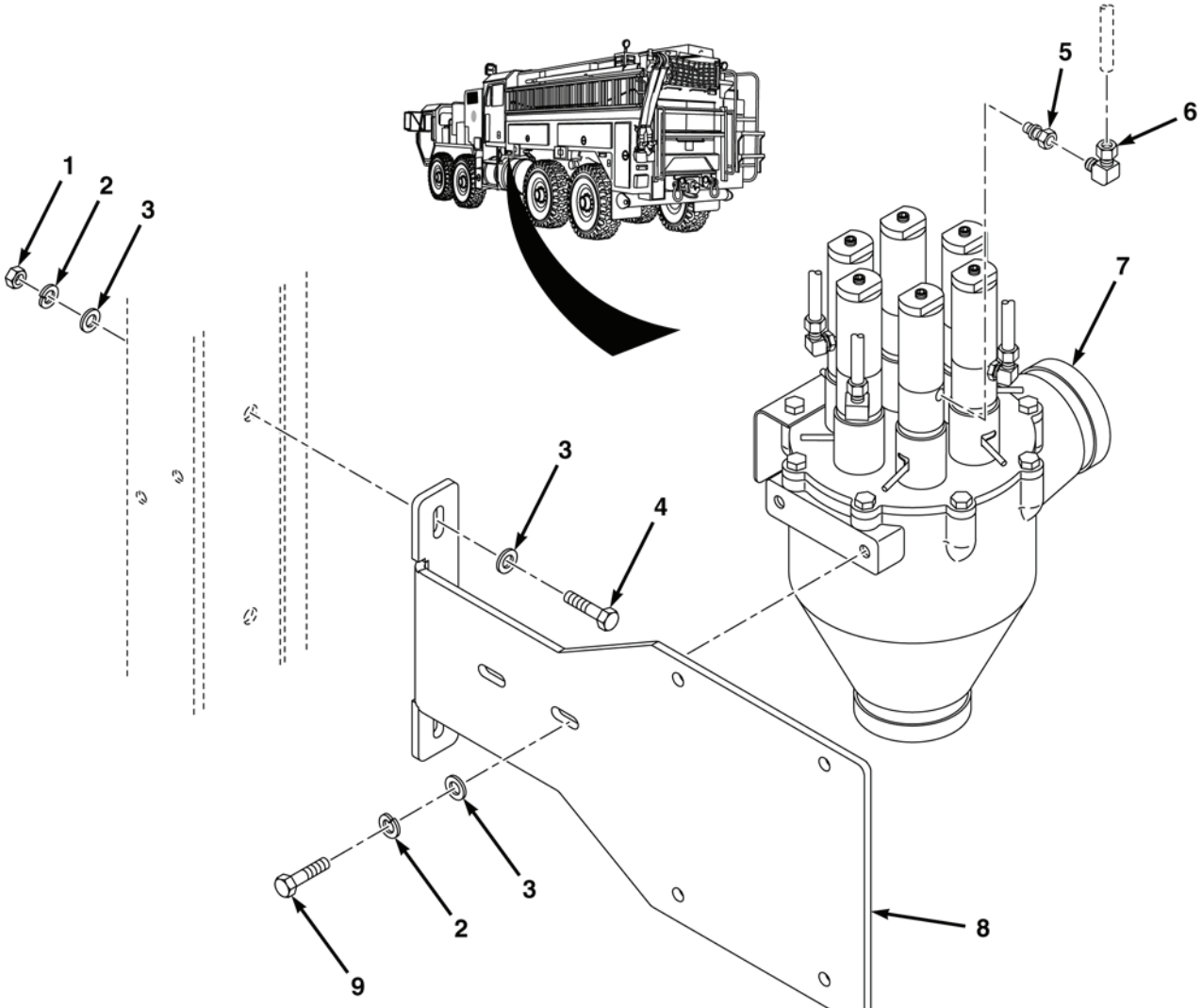


FIG. 49 MULTI-METERING VALVE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7612 FOAM TANK ASSEMBLY	
					FIG. 49 MULTI-METERING VALVE	
1	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16.	2
2	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8.	4
3	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	6
4	PAFZZ	5305-00-543-2419	80204	B1821BH038C113N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/8.	2
5	PAFZZ	4730-01-096-9398	93061	68NTA-4-6	ADAPTER,STRAIGHT,PI PIPE TO TUBE	6
6	PAFZZ	4730-01-055-4013	93061	269NTA-4-2	ELBOW,PIPE TO TUBE.	6
7	PAFZZ	4820-01-499-6221	11939	3233-9168-8	VALVE,BALL	1
8	PFFZZ		04664	1321670	BRACKET,MOUNTING MULTI METERING VALVE	1
9	PAFZZ	5305-00-071-2511	80204	B1821BH025C200N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 2.	2
					END OF FIGURE	

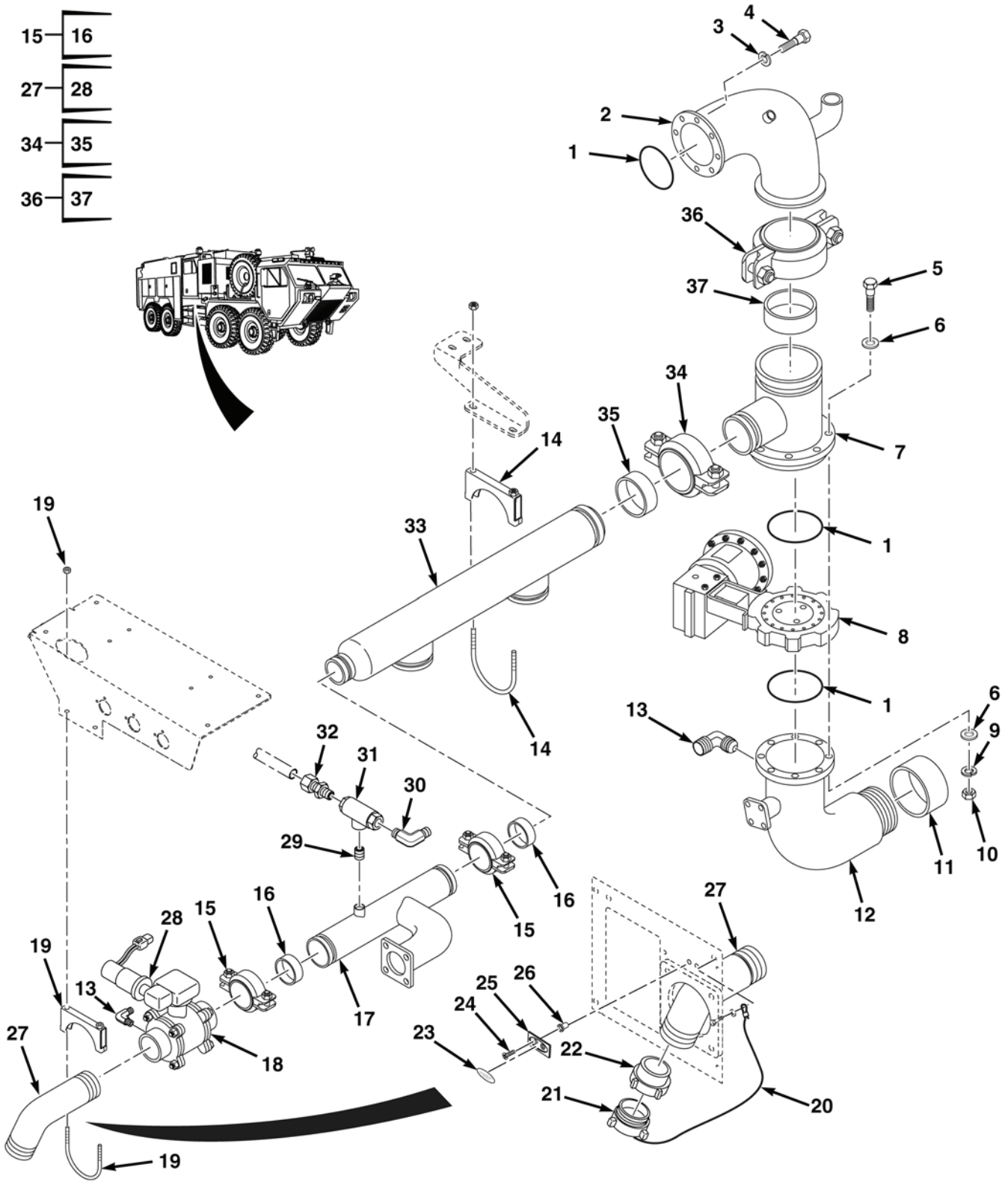


FIG. 50 MAIN AND AUXILIARY INTAKE VALVES

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7613 WATER TANK ASSEMBLY	
					FIG. 50 MAIN AND AUXILIARY INTAKE VALVES	
1	PAFZZ	5330-01-517-3338	80712	613019060	GASKET	3
2	PAFZZ		04664	1336205	PIPE,SUCTION MANIFO	1
3	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	8
4	PAFZZ	5305-00-725-2317	80204	B1821BH038C150N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/2	8
5	PAFZZ	5305-00-947-4364	80204	B1821BH075C600N	SCREW,CAP,HEXAGON HEAD, 3/4-10 X 6	8
6	PAFZZ	5310-01-251-2925	96906	MS51412-14	WASHER,FLAT 27/32	16
7	PAFZZ		04664	1336206	FLANGE,MAIN INLET	1
8	PAFZZ	4810-01-517-5342	04664	1347923	VALVE,BUTTERFLY	1
9	PAFZZ	5310-00-584-7888	96906	MS35338-51	WASHER,LOCK 3/4	8
10	PAFZZ	5310-00-768-0321	96906	MS51971-5	NUT,PLAIN,HEXAGON 1/2-13	8
11	PAFZZ	5340-01-517-3347	8T694	SC50	CAP,PROTECTIVE,DUST	1
12	PAFZZ		04664	1336207	ELBOW,MAIN INLET	1
13	PAFZZ	4730-01-254-1251	30780	12 CTX-B	ELBOW,PIPE TO TUBE	2
14	PAFZZ	5340-01-517-3685	96566	139350-00	CLEVIS AND U-BOLT 3 1/2	2
15	PAFZZ	4730-01-518-5402	79154	2.5INCH07T	COUPLING,CLAMP,PIPE STYLE 07	2
16	PAFZZ	5330-01-518-2080	79154	2.5INCH07T-GASKET	. GASKET	2
17	PAFZZ		04664	1336201	PIPE,AUXILIARY INLE	1
18	PAFZZ	4810-01-517-4985	00912	1348169	VALVE,BALL	1
19	PAFZZ	5340-01-517-3680	96566	139275-00	CLAMP,LOOP	1
20	PAFZZ	4010-01-518-1033	04664	1364915	WIRE ROPE ASSEMBLY	1
21	PAFZZ	4210-00-160-9855	00912	2AB65	PLUG,HOSE W/CHAIN	1
22	PAFZZ	4210-01-418-2155	00912	338-1.5 X 1.5 CHROME	ADAPTER,STRAIGHT PIPE TO HOSE, W/STRAINER	1
23	PAFZZ		1JWQ8	1098112-0003	TAG-O,AUXILIARY INL SIDE AUX. INLET	1
24	PAFZZ	5305-00-052-6872	80205	MS24627-49	SCREW,TAPPING 10-24 X 5/8	2
25	PAFZZ	2590-01-517-3439	04664	1091733-0014	BEZEL,AUTOMOTIVE BLACK	1
26	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	2
27	PAFZZ		04664	1351261	PIPE,AUX INLET AFTER VALVE	1
28	PAFZZ	6105-01-521-8367	00912	7-31-084	. MOTOR,DIRECT CURREN	1
29	PAFZZ	4730-01-295-3763	39428	4830K131	NIPPLE,PIPE	1
30	PAFZZ	4730-00-877-8997	96906	MS51504A4-4	ELBOW,PIPE TO TUBE	1
31	PAFZZ	4730-00-504-1908	39428	4429K251	TEE,PIPE	1
32	PAFZZ	4730-01-091-9212	93061	68NTA-4-4	ADAPTER,STRAIGHT PIPE TO TUBE	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
33	PAFZZ		04664	1336200	MANIFOLD,INLET	1
34	PAFZZ	4730-01-518-1974	79154	3.0INCH07T	COUPLING,CLAMP,PIPE STYLE 07 X 3 .	1
35	PAFZZ	5330-01-518-2030	79154	3.0INCH07T-GASKET	. GASKET	1
36	PAFZZ	4730-01-518-1984	79154	6.0INCH07T	COUPLING,CLAMP,PIPE STYLE 77 X 6 .	1
37	PAFZZ	5330-01-381-9650	79154	G-060-077-0E0	. GASKET	1

END OF FIGURE

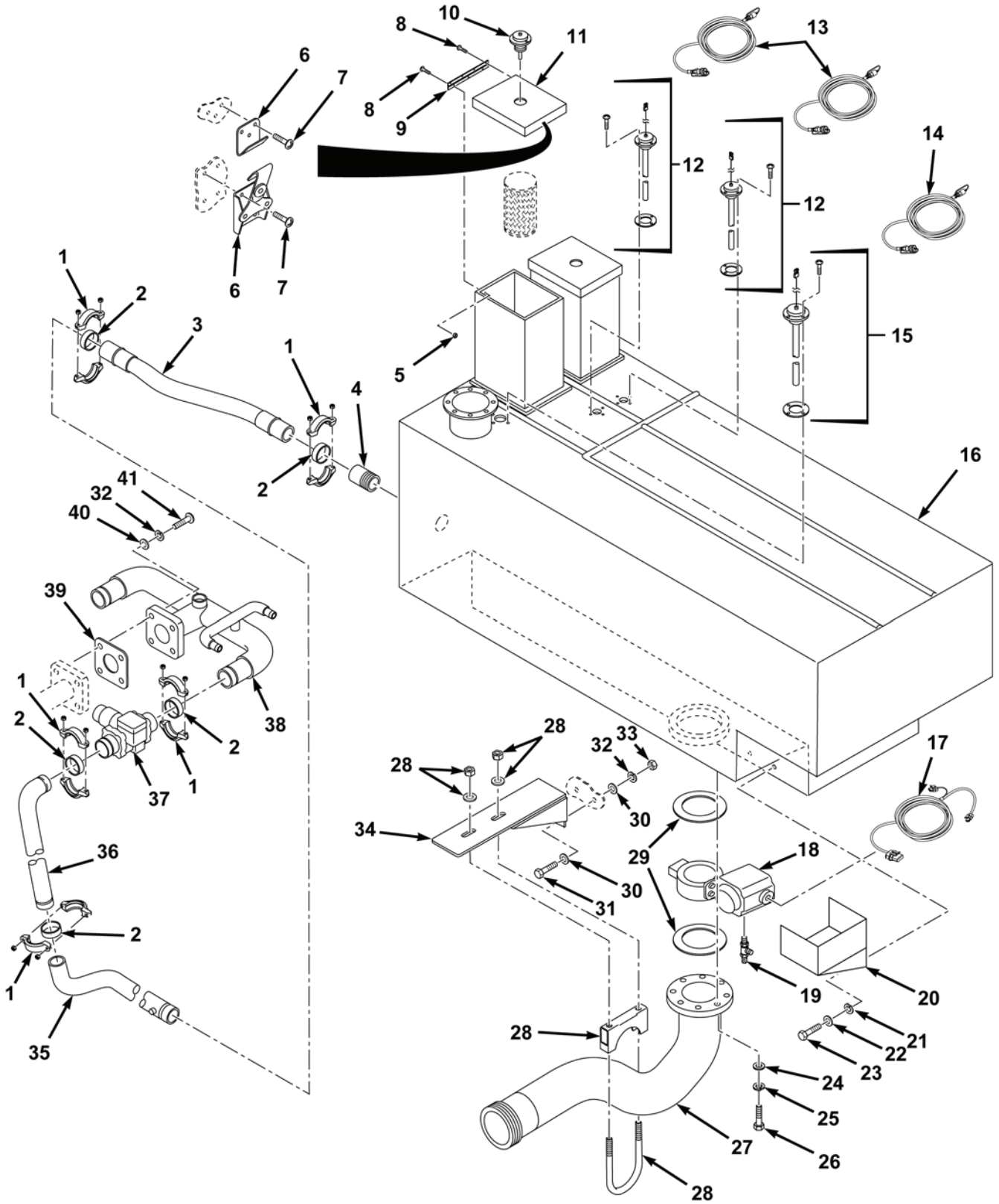


FIG. 51 WATER TANK ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7613 WATER TANK ASSEMBLY	
					FIG. 51 WATER TANK ASSEMBLY	
1	PAFZZ	4730-01-518-1977	79154	L020007PT0	COUPLING,CLAMP,PIPE STYLE 07 X 2	5
2	PAFZZ	5330-01-518-2033	79154	2.0INCH07T-GASKET	GASKET	5
3	PAFZZ	4720-01-517-5442	04664	1363737	HOSE ASSEMBLY,NONME	1
4	PAFZZ		04664	53-9338-0136	NIPPLE,PIPE	1
5	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	8
6	PAFZZ	5340-01-441-2099	94222	K5-2856-52	CATCH,CLAMPING	2
7	PAFZZ	5305-00-855-0957	45152	2477HX	SCREW,TAPPING	14
8	PAFZZ	5305-00-984-6210	80205	MS35206-263	SCREW,MACHINE 10-24 X 5/8	8
9	PBFZZ		0F8J8	824-0102	HINGE,BUTT ACCESS DOOR	2
10	PAFZZ	4930-01-517-5815	0BT82	1655-200809	VENT UNIT,RELIEF LOW PROFILE	2
11	PAFZZ		0F8J8	824-0004	LID,VENT	2
12	PAFZZ	6680-01-518-0987	04664	60-9141-0003	TRANSMITTER,LIQUID	2
13	PAFZZ		04664	60-9133-0008	CABLE,EXTENSION.FOAM LEVEL,IC	2
14	PAFZZ		04664	60-9136-0003	CABLE,WATER/FOAM LEVEL,IC	1
15	PAFZZ	6680-01-518-1010	04664	60-9139-0034	TRANSMITTER,LIQUID	1
16	PAFZZ		04664	1136411	TANK ASSEMBLY WATER AND FOAM	1
17	PAFZZ		04664	1449701	HARNESS,TFFT,VALVE CONTROL	1
18	PAFZZ		7Y297	815W-17-22HBTT/ Q2406	VALVE,BUTTERFLY,ELECTRIC	1
19	PAFZZ	4820-01-422-5556	19541	FCP2	VALVE,FLOW CONTROL	2
20	PAFZZ		04664	1321672	GUARD,TANKFILL	1
21	PAFZZ	5310-00-584-5272	80205	MS35338-48	WASHER,LOCK 1/2	2
22	PAFZZ	5310-00-809-5997	96906	MS27183-17	WASHER,FLAT 1/2	2
23	PAFZZ	5305-00-732-0512	80204	B1821BH050C075N	SCREW,CAP,HEXAGON HEAD, 1/2-13 X 3/4	2
24	PAFZZ	5310-00-823-8803	96906	MS27183-21	WASHER,FLAT 5/8	8
25	PAFZZ	5310-00-820-6653	80205	MS35338-50	WASHER,LOCK 5/8	8
26	PAFZZ	5305-00-724-7220	80204	B1821BH063C150N	SCREW,CAP,HEXAGON HEAD, 5/8-12 X 1 1/2	8
27	PAFZZ		04664	1348487	PIPE,DIRECT TANK FILL	1
28	PAFZZ	5340-01-013-9392	14934	U450	CLAMP,LOOP 4 1/2	1
29	PAFZZ	5330-01-517-3338	80712	613019060	GASKET	2
30	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	4
31	PAFZZ	5306-00-637-9675	96906	MS35307-332	BOLT,MACHINE 5/16-18 X 3/4	2
32	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	6

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
33	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	2
34	PFFZZ		04664	1356158	BRACKET,MOUNTING	1
35	PAFZZ		04664	1348550	PIPE,TANK FILL BEFORE HOSE	1
36	PAFZZ		04664	1336209	PIPE,TANK FILL,AFTE	1
37	PAFZZ	4810-01-521-0501	04664	1348163	BALL,VALVE,PORTED	1
38	PAFZZ		04664	1336202	PIPE,AUXILIARY FOAM	1
39	PAFZZ		04664	51-1078	GASKET SIDE DISCHARGE	1
40	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	4
41	PAFZZ	5305-00-725-2317	80204	B1821BH038C150N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/2	4

END OF FIGURE

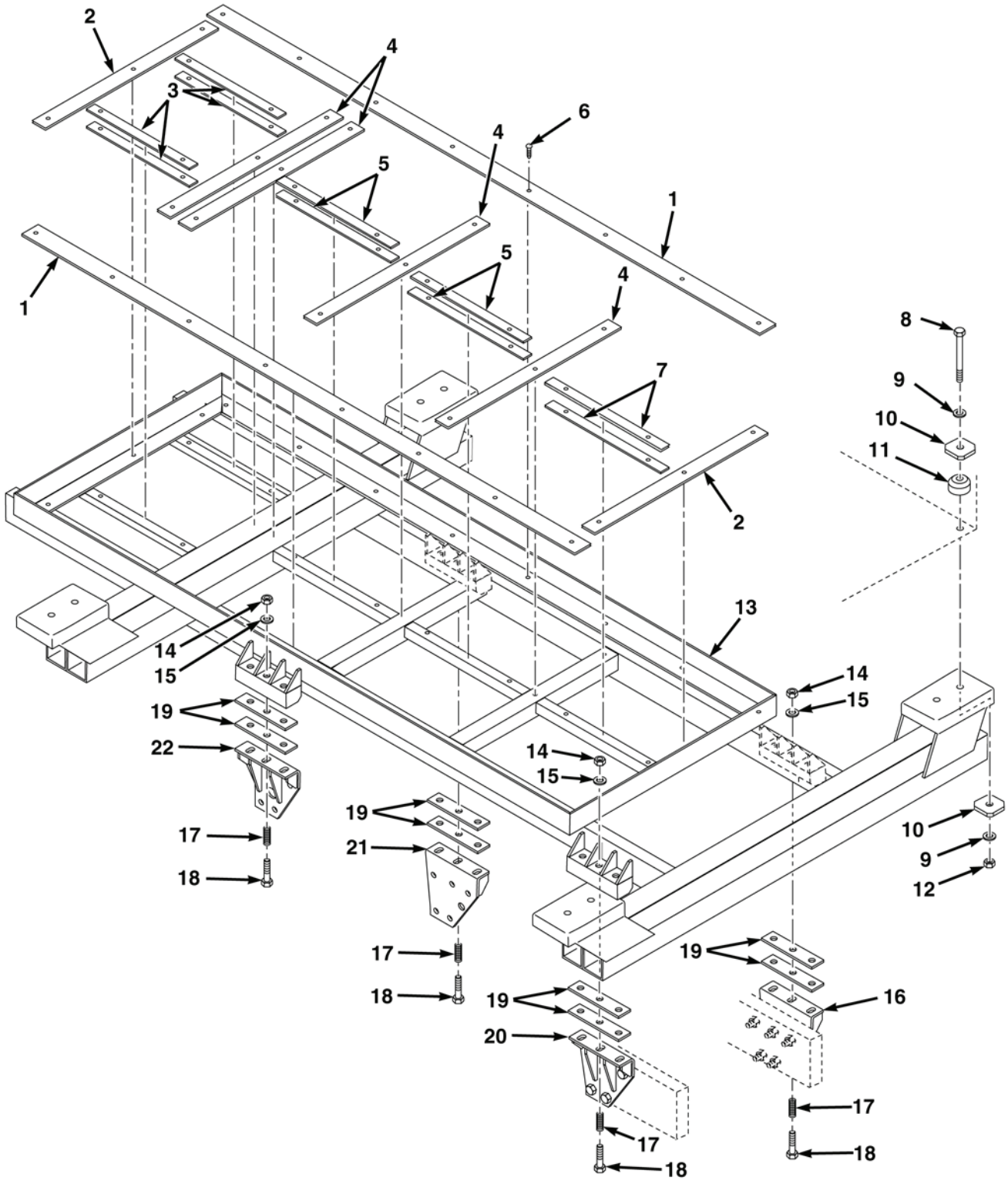


FIG. 52 TANK AND BODY CRADLE MOUNTING INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7613 WATER TANK ASSEMBLY	
					FIG. 52 TANK AND BODY CRADLE MOUNTING INSTALLATION	
1	MFFZZ		04664	943125-108	STRIP,RUBBER MAKE FROM P/N SK60-16X3X50,CAGE 0ABC1,APPROX 108 IN. LG.	2
2	MFFZZ		04664	943125-34	STRIP,RUBBER MAKE FROM P/N SK60-16X3X50,CAGE 0ABC1,APPROX 34 IN. LG.	2
3	PAFZZ		04664	1370695-01950	STRIP,RUBBER	2
4	MFFZZ		04664	943057-34	STRIP,RUBBER MAKE FROM P/N SK60-24X3X50,CAGE 0ABC1,APPROX 34 IN. LG.	4
5	PAFZZ		04664	1370695-02300	STRIP,RUBBER	2
6	PAFZZ	5305-00-052-6878	80205	MS24627-54	SCREW,TAPPING	44
7	PAFZZ		04664	1370695-02150	STRIP,RUBBER	1
8	PAFZZ	5305-01-195-5050	80204	B1821BH088C500N	SCREW,CAP,HEXAGON HEAD,7/8-9 X 5	8
9	PAFZZ	5310-00-809-8540	96906	MS27183-25	WASHER,FLAT 7/8	16
10	PAFZZ	5310-01-517-9889	04664	42-7037	WASHER,FLAT 15/16	16
11	PAFZZ	5342-01-194-0894	81860	22004-14	MOUNT,RESILIENT WEAPON SYSTEM	8
12	PAFZZ	5310-01-462-6244	81349	M45913/2-14CG5C	NUT,SELF-LOCKING 7/8-9	8
13	PFFZZ		04664	1136260	CRADLE,TANK AND BOD	1
14	PAFZZ	5310-00-269-4040	81349	M45913/1-10CG5C	NUT,SELF-LOCKING,HE 5/8-11	12
15	PAFZZ	5310-00-823-8803	96906	MS27183-21	WASHER,FLAT 5/8	12
16	PFFZZ		04664	1136371	BRACKET,CRADLE RH REAR	1
17	PAFZZ		39428	9584K69	SPRING,COMPRESSION,	12
18	PAFZZ	5305-00-724-6758	80205	MS90725-176	SCREW,CAP,HEXAGON HEAD, 5/8-11 X 5	12
19	PFFZZ		04664	1217157	SPACER,M0UNTING BRA WATER TANK	8
20	PFFZZ		04664	1136357	BRACKET,CRADLE LH REAR	1
21	PFFZZ		04664	1136370	BRACKET,CRADLE RH FRONT	1
22	PFFZZ		04664	1136356	BRACKET,CRADLE LH FRONT	1
					END OF FIGURE	

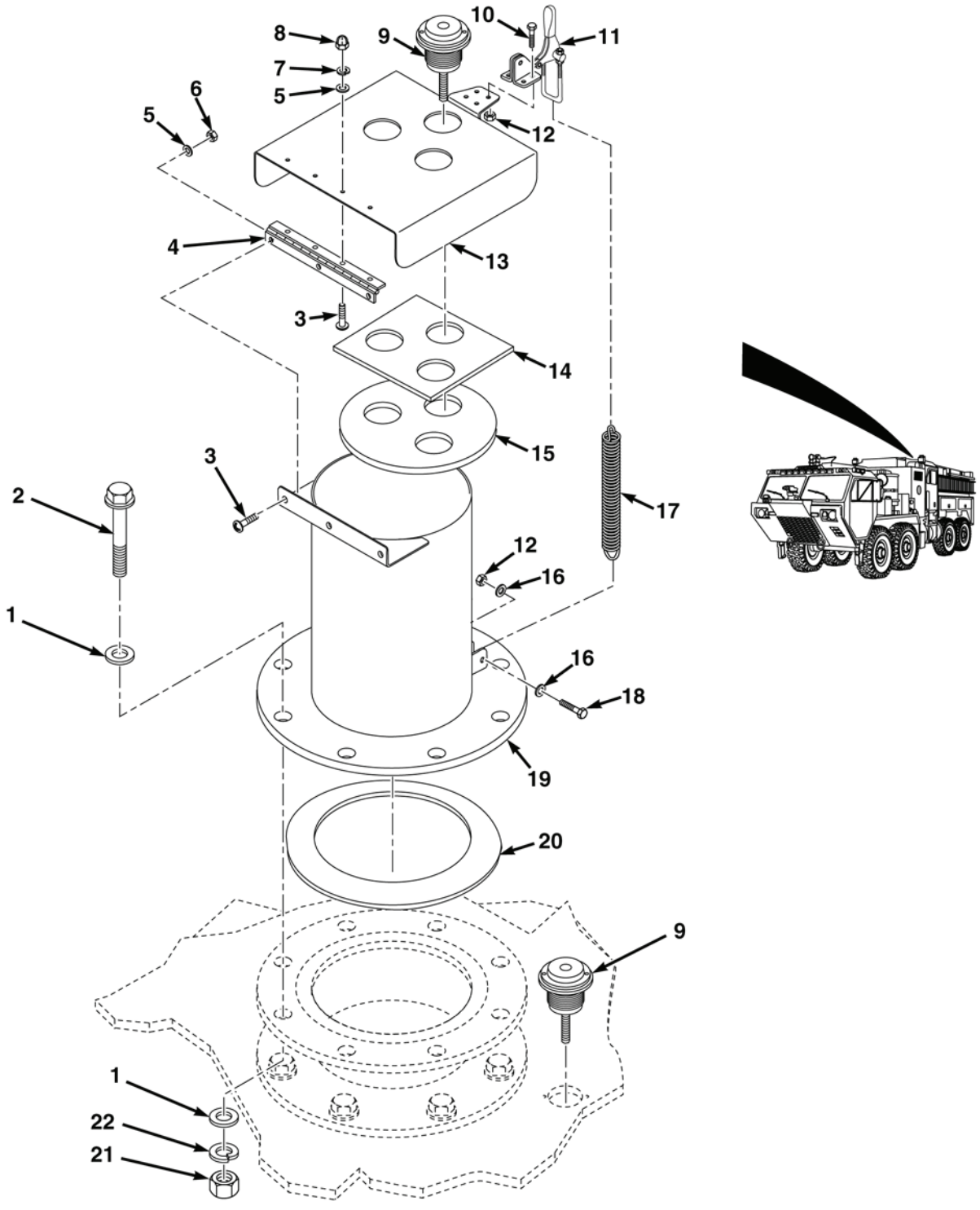


FIG. 53 TANK VENT ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7613 WATER TANK ASSEMBLY	
					FIG. 53 TANK VENT ASSEMBLY	
1	PAFZZ	5310-00-809-8533	96906	MS27183-23	WASHER,FLAT 3/4	16
2	PAFZZ	5305-01-185-8668	45152	126536A	SCREW,CAP,HEXAGON .75-10NC X 3.00 IN	8
3	PAFZZ	5305-00-984-6210	80205	MS35206-263	SCREW,MACHINE 10-24 NC X 1/2.	7
4	PBFZZ		04664	1372276	HINGE,COVER VENT 1.75 IN X 8.00 IN.	1
5	PAFZZ	5310-01-517-2762	04664	82-1030-0019	WASHER,FLAT #10 SS .203 ID X .44 OD	7
6	PAFZZ	5310-00-436-3290	80205	MS17830-010C	NUT,SELF-LOCKING #10-24 SS.	8
7	PAFZZ	5310-00-869-9576	96906	MS35338-157	WASHER,LOCK NO. 10	4
8	PAFZZ	5310-01-283-4637	96906	MS24679-23	NUT,PLAIN,CAP #10-24 ACORN	7
9	PAFZZ	4930-01-517-5815	0BT82	1655-200809	VENT UNIT,RELIEF LOW PROFILE	4
10	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON .25-20 X .75. . .	4
11	PAFZZ		04664	1436136	CLAMP,TOGGLE VERTICAL U-HOOK . .	1
12	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING .25-20NC	5
13	PFFZZ		04664	1435113	TANK COVER,VENT TFFT SPRING TYPE	1
14	PAFZZ		04664	1446032	GASKET,NEOPRENE 1/4 IN,W/ ADHESIVE	1
15	PAFZZ		04664	1457169	PLATE,TANK ADAPTER VENT,RELIEF .	1
16	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT .25	2
17	PAFZZ		04664	1436137	SPRING,HELICAL EXTENSION,1.44 IN OD X 13 IN LG	1
18	PAFZZ	5305-00-071-2514	80204	B1821BH025C275N	SCREW,CAP,HEXAGON .25-20NC X 2.75 IN LG	1
19	PAFZZ		04664	1434779	ASSY,FILL TOWER 17.50 IN LG	1
20	PAFZZ		04664	51-5022	GASKET,RING 150#,8 IN,BLUEGARD . .	1
21	PAFZZ	5310-00-763-8922	96906	MS51967-24	NUT,PLAIN,HEXAGON .75-10 NC G8. . .	8
22	PAFZZ	5310-00-584-7888	96906	MS35338-51	WASHER,LOCK .75 IN	8
					END OF FIGURE	

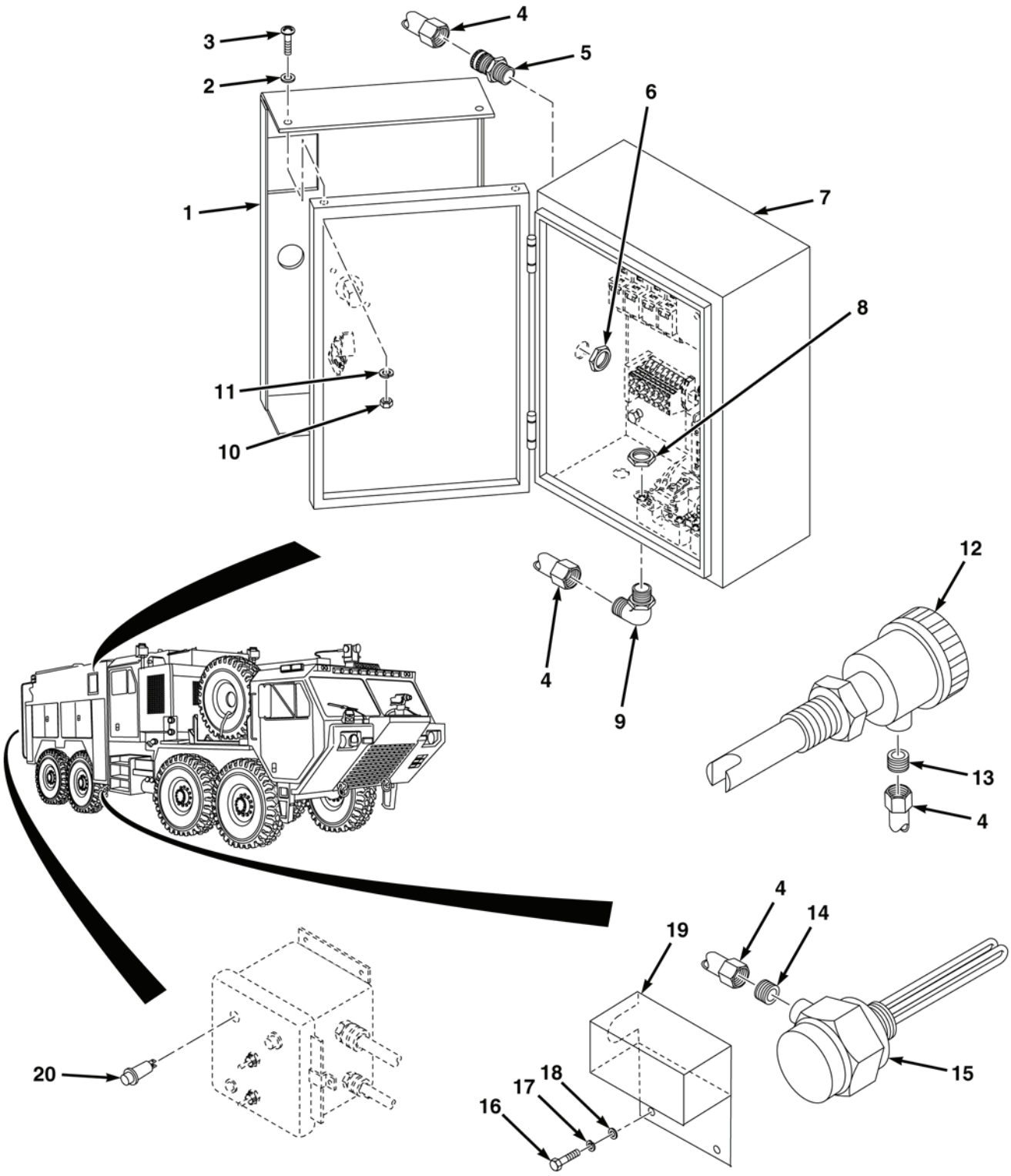


FIG. 54 WATER TANK HEATER INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7613 WATER TANK ASSEMBLY	
					FIG. 54 WATER TANK HEATER INSTALLATION	
1	PAFZZ		04664	1333182	GUARD,ELECTRICAL BO	1
2	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	4
3	PAFZZ	5305-00-807-8126	98587	H07-8	SCREW,MACHINE 10-24 X 1/2	4
4	MFFZZ		04664	640261-720	CONDUIT MAKE FROM P/N LQC3/8, CAGE 4W026,APPROX 720 IN. LG.	1
5	PAFZZ	5975-01-207-0229	81992	SHC-1037	BOX CONNECTOR,ELECT	3
6	PAFZZ	5975-01-282-6254	15235	SL2	LOCKNUT,ELECTRICAL	3
7	PAFZZ		3NZK0	MIS900	BOX,CONTROL TANK HEATER	1
8	PAFZZ	5975-01-164-9437	18192	SL1	LOCKNUT,ELECTRICAL	3
9	PAFZZ	5975-01-464-9164	39428	7119K73	BOX CONNECTOR,ELECT	3
10	PAFZZ	5310-01-142-7049	45152	1817HX	NUT,PLAIN,HEXAGON 10-24	4
11	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	4
12	PAFZZ	6680-01-518-1947	09HK6	LL-101-211500-1	INDICATOR,LIQUID QU QUANTITY	1
13	PAFZZ	5975-00-242-4234	12570	CP1282	ADAPTER,ELECTRICAL	1
14	PAFZZ	5975-01-018-6492	56501	602-TB	ADAPTER,ELECTRICAL	2
15	PAFZZ		95408	E03021E-504X-01	HEATER,WATER TANK 3000 WATT	2
16	PAFZZ	5305-00-068-0510	80204	B1821BH038C100N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1.	4
17	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	4
18	PAFZZ	5310-00-080-6004	96906	MS27183-14	WASHER,FLAT 3/8	4
19	PAFZZ		04664	1357486	GUARD,TANK HEATER.	2
20	PAFZZ	6220-01-518-1968	3BRQ3	981771T-96WAN	LIGHT,INDICATOR.	2
					END OF FIGURE	

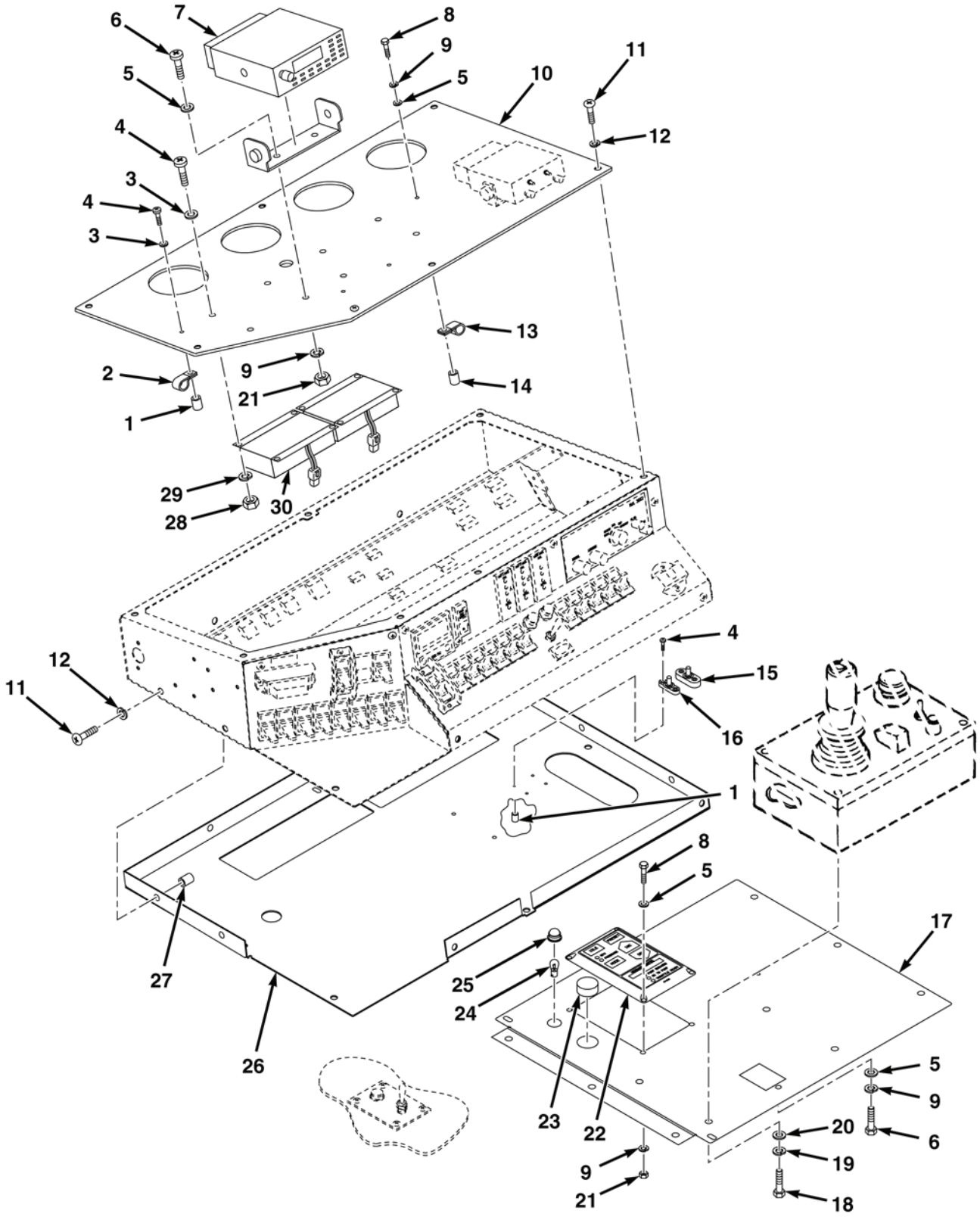


FIG. 55 CAB CONTROL PANEL ASSEMBLY (SHEET 1 OF 2)

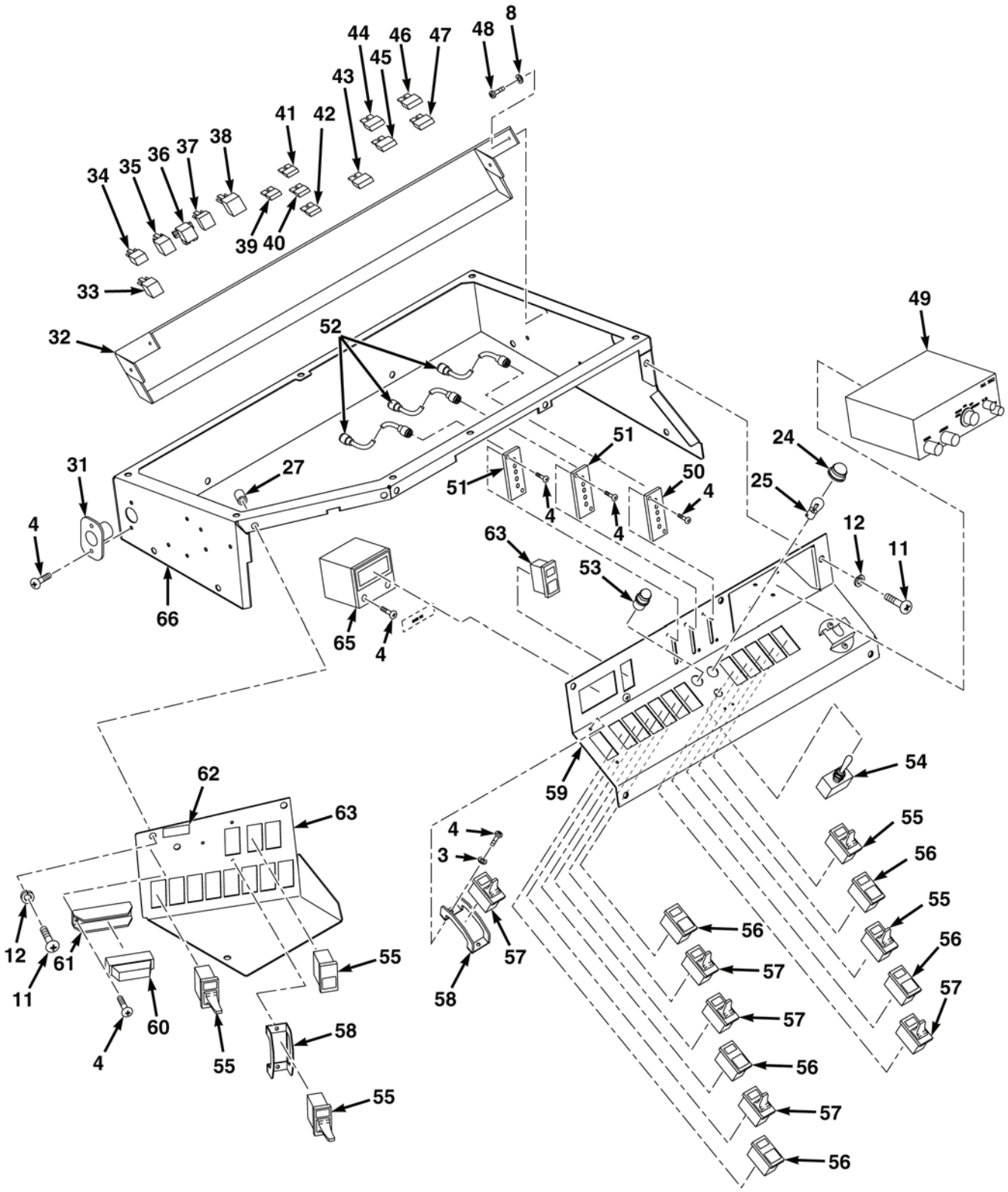


FIG. 55 CAB CONTROL PANEL ASSEMBLY (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7615 INSTRUMENT HOUSING ASSEMBLY	
					FIG. 55 CAB CONTROL PANEL ASSEMBLY	
1	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	17
2	PAFZZ	5340-00-385-8820	75272	C0V0909	CLAMP,LOOP	1
3	PAFZZ	5310-00-452-1356	04664	82-0418-0001	WASHER,FLAT 3/16	12
4	PAFZZ	5305-00-050-9229	96906	MS51957-63	SCREW,MACHINE 1/4-20 X 1/2	38
5	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	25
6	PAFZZ	5305-00-988-1723	80205	MS35206-279	SCREW,MACHINE 1/4-20 X 1/2	4
7	PAFZZ	5820-01-518-2931	78205	CDM1550	REMOTE CONTROL RADIO	1
8	PAFZZ	5305-00-702-4523	80205	MS35307-306	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 3/4	7
9	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	25
10	PAFZZ		04664	1180421	PANEL,CONTROL, TOP	1
11	PAFZZ	5305-00-984-5687	96906	MS35206-307	SCREW,MACHINE 3/8-16 X 1/2	20
12	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	20
13	PAFZZ	5340-01-153-9425	75272	COV-1109Z1	CLAMP,LOOP 3/4	1
14	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	13
15	PAFZZ	2920-01-518-1329	0FXW9	TSD-240-7000	TERMINAL BLOCK ELECTRICAL	1
16	PAFZZ	5940-01-518-5983	0EUT9	MCL-0000-0001	POST,BINDING,ELECTR	2
17	PFFZZ		04664	1210022	COVER,HEATER COMPARTMENT,REAR	1
18	PAFZZ	5305-01-014-5124	80204	B1821BH075C075N	SCREW,CAP,HEXAGON HEAD, 3/4-10 X 3/4	4
19	PAFZZ	5310-00-584-7888	96906	MS35338-51	WASHER,LOCK 3/4	4
20	PAFZZ	5310-00-802-4701	80205	MS15795-813	WASHER,FLAT 3/4	4
21	PAFZZ	5310-00-761-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON 1/4-20	24
22	PAFZZ	6110-01-518-2943	06CG4	107396	PANEL,POWER DISTRIB	1
23	PAFZZ	6350-01-517-8574	56493	SP-563	BUZZER	1
24	PAFZZ	6210-01-124-9986	79218	V2172	LIGHT,INDICATOR RED	1
25	PAFZZ	6240-00-143-3173	88204	1820	LAMP,INCANDESCENT .100 AMPS	3
26	PAFZZ		04664	1182872	BOTTOM,CONTROL PANE	1
27	PAFZZ	5325-01-474-9732	78276	ALS7-616-150	INSERT,SCREW THREAD 3/8	7
28	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	22
29	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	22
30	PAFZZ	5945-01-517-5366	0BNX0	ETRRSS24	FLASHER,SOLID STATE ALTERNATING	4
31	PAFZZ	2540-01-517-5294	1JAB0	371849	HOUSING,CIGARETTE	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
32	PAFZZ	2540-01-521-6663	04664	1214980	DIFFUSER,AIR,VEHICU CAB CONTROL PANEL	1
33	PAFZZ	5940-01-517-8554	2E480	59189	TERMINAL JUNCTION	1
34	PAFZZ	5945-01-484-7194	53867	0332207402	RELAY,ELECTROMAGNET	15
35	PAFZZ	5945-12-159-7938	D8015	0332204204	RELAY,ELECTROMAGNET	3
36	PAFZZ	5945-01-155-5818	53867	0 332 002 250	RELAY ENGINE STARTER	1
37	PAFZZ	5945-01-416-6438	77342	VF4-15F11	RELAY,ELECTROMAGNET	2
38	PAFZZ	5961-01-517-5016	2E480	100695	SEMICONDUCTOR	2
39	PAFZZ	5920-01-085-0825	58536	AA55569/01-009	FUSE,INCLOSED LINK	3
40	PAFZZ	5920-01-123-5211	58536	AA55569/01-007	FUSE,INCLOSED LINK	6
41	PAFZZ	5920-01-123-5212	58536	AA55569/01-005	FUSE,INCLOSED LINK	8
42	PAFZZ	5920-01-149-6952	58536	AA55569/01-008	FUSE,INCLOSED LINK	3
43	PAFZZ	5925-01-517-6607	58723	1771-1022	CIRCUIT BREAKER AUT 10A	1
44	PAFZZ	5925-01-517-9408	04664	64-2299-030	CIRCUIT BREAKER AUT 30A	2
45	PAFZZ	5925-01-517-6602	58723	1771-2032	CIRCUIT BREAKER AUT 20A	2
46	PAFZZ	5925-01-517-6372	58723	1771-1522	CIRCUIT BREAKER AUT 15A	2
47	PAFZZ	5925-01-517-5368	58723	1771-0814	CIRCUIT BREAKER	4
48	PAFZZ	5305-00-701-5074	80205	MS51959-63	SCREW,MACHINE 10-24 X 1/2 FLTHEAD	4
49	PAFZZ	5830-01-518-2879	1UZP2	3622	PUBLIC ADDRESS SET	1
50	PAFZZ	6680-01-518-5439	0X6Y7	50SW	INDICATOR,LIQUID QUANTITY	1
51	PAFZZ	6680-01-520-9175	0X6Y7	3000776-C-A-02	INDICATOR,LIQUID QUANTITY	2
52	PAFZZ		04664	60-9137-0001	CABLE,EXTENSION INOVATIVE CTRL 30 FT,7-PIN CONNECTOR	3
53	PAFZZ	6220-01-363-4620	79218	V1352	LIGHT,INDICATOR AMBER	1
54	PAFZZ	5930-00-683-1628	96906	MS24523-22	SWITCH,TOGGLE	1
55	PAFZZ	5930-01-517-5014	27192	8951K2746	SWITCH,TOGGLE	12
56	PAFZZ	6220-01-518-3355	82484	E-014-024	LAMP UNIT,VEHICULAR	6
57	PAFZZ	5930-01-517-5009	27192	8951K2748	SWITCH,TOGGLE	5
58	PAFZZ		04664	1216496	GUARD,SWITCH,ROCKER	2
59	PAFZZ		04664	1180419	PANEL,CONTROL, PLUMBING	1
60	PAFZZ	6220-01-517-4352	13548	35005R	LIGHT,MARKER CLEARANCE,RED	1
61	PFFZZ		04664	1186133	BRACKET,LIGHT,MARKE CLEARANCE LIGHT	1
62	PAFZZ		0J513	91-9026	LABEL,CAUTION DO NOT MOVE	1
63	PAFZZ		04664	1180420	PANEL,CONTROL, BOTTOM	1
64	PAFZZ	6220-01-518-3360	82484	E-014-023	LAMP UNIT,VEHICULAR	1
65	PAFZZ	6620-01-519-2628	06CG4	107324	INDICATOR,PRESSURE	1
66	PAFZZ		04664	1180418	PANEL,CONTROL, SIDES/BACK	1

END OF FIGURE

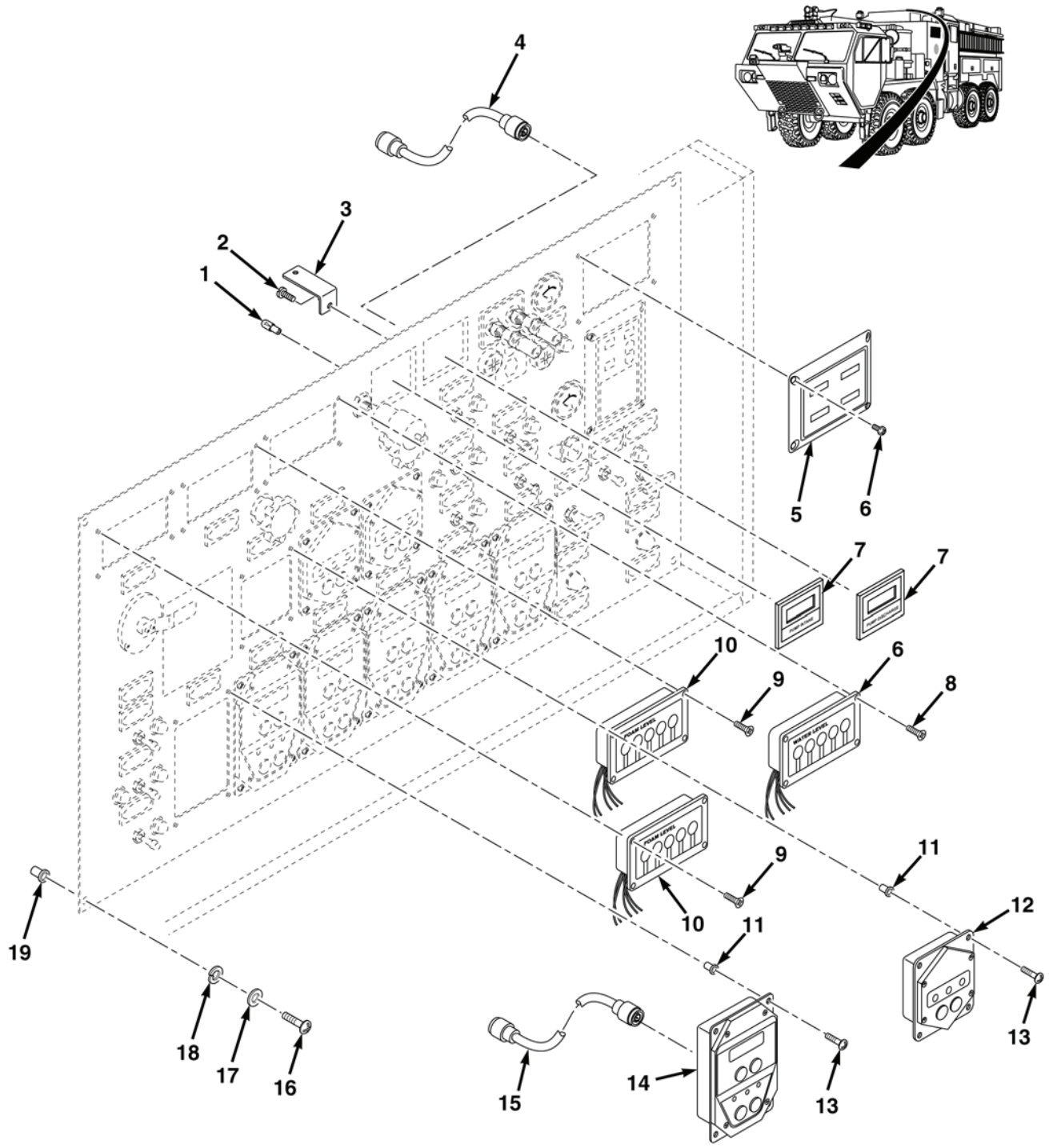


FIG. 56 PUMP OPERATOR'S PANEL ELECTRICAL COMPONENTS (SHEET 1 OF 2)

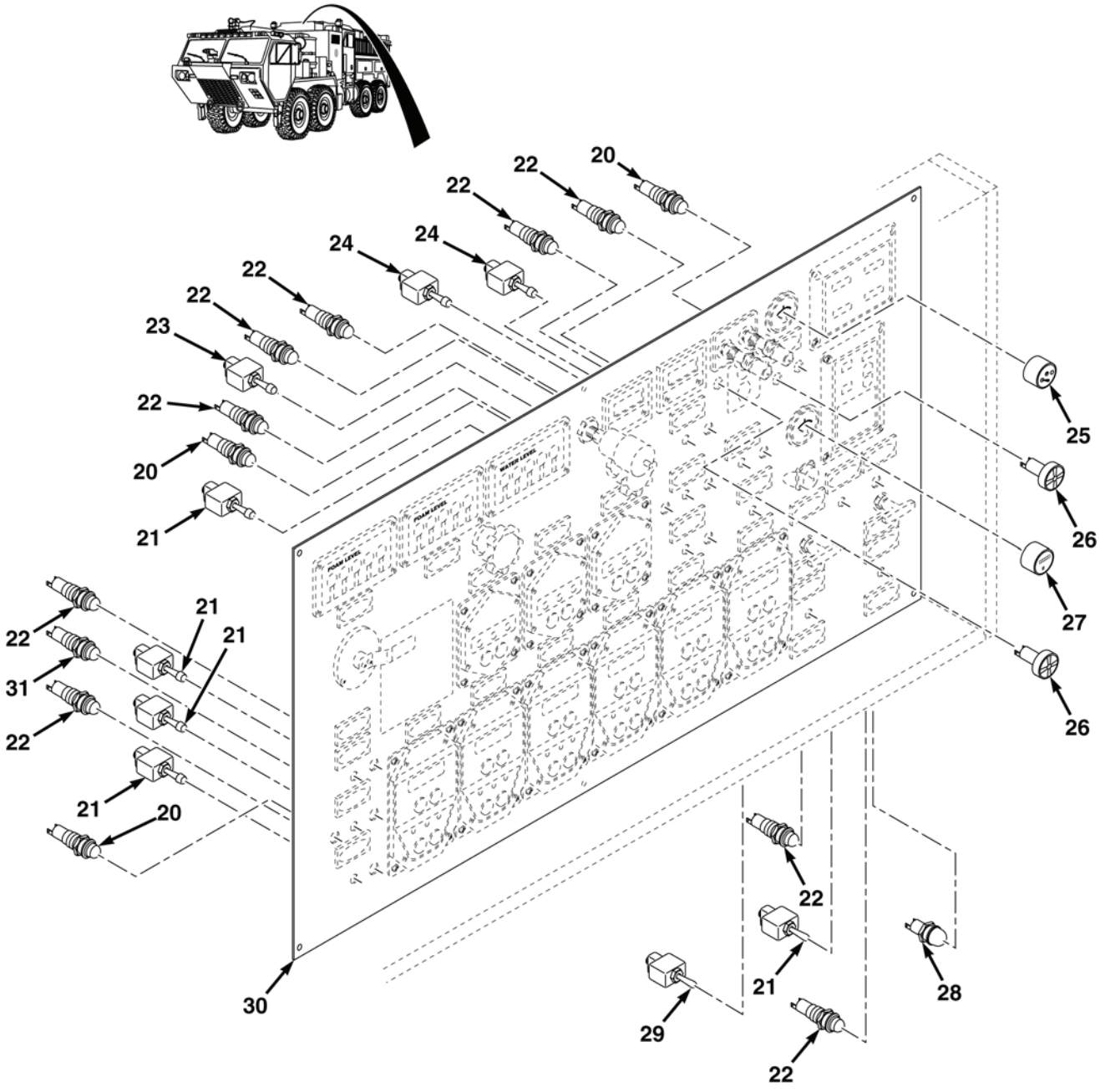


FIG. 56 PUMP OPERATOR'S PANEL ELECTRICAL COMPONENTS (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7615 INSTRUMENT HOUSING ASSEMBLY	
					FIG. 56 PUMP OPERATOR'S PANEL ELECTRICAL COMPONETS	
1	PAFZZ	6240-00-143-3173	88204	1820	LAMP,INCANDESCENT .100 AMPS	12
2	PAFZZ	5305-00-050-9229	96906	MS51957-63	SCREW,MACHINE 1/4-20 X 1/2	7
3	PFFZZ	5340-01-517-2213	04664	1346473	BRACKET,ANGLE	5
4	PFFZZ		04664	1219600-0003	HARNESS,"Y" ADAPTER C1 30'	2
5	PAFZZ	6695-01-518-1267	06CG4	95800000	PANEL,INDICATOR	1
6	PAFZZ	5305-00-984-6210	80205	MS35206-263	SCREW,MACHINE 10-14 X 1/2.	4
7	PAFZZ		04664	1295022-0002	GAUGE,VAC/PSI,DIGIT C1,24V W/ TRANSDUCER & 10" HARNESS	2
8	PAFZZ	6680-01-518-0909	04664	1488098	INDICATOR,LIQUID QU	1
9	PAFZZ	6680-01-518-0912	04664	1186382	INDICATOR,LIQUID QU	2
10	PAFZZ	5305-00-764-0075	96906	MS51959-49	SCREW,MACHINE .164-32 X 1.00	16
11	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	104
12	PAFZZ	4810-01-517-4979	00912	9303	CONTROLLER,VALVE.	1
13	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4.	104
14	PAFZZ	4810-01-517-4976	00912	9305	CONTROLLER,VALVE.	6
15	PAFZZ		04664	1364842-0015	HARNESS.VALVE CTRL FLOW/PRESS 15'	6
16	PAFZZ	5305-00-958-5246	80205	MS35190-289	SCREW,MACHINE 1/4-20 X 3/4	10
17	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	10
18	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	10
19	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20.	10
20	PAFZZ	6220-01-517-5875	04664	51-6032	LIGHT,INDICATOR.	2
21	PAFZZ	5930-00-683-1628	96906	MS24523-22	SWITCH,TOGGLE	5
22	PAFZZ	6220-01-517-5870	04664	51-6031	LIGHT,INDICATOR.	8
23	PAFZZ	5930-00-681-4727	96906	MS24523-21	SWITCH,TOGGLE	1
24	PAFZZ	5930-00-683-1629	96906	MS24523-23	SWITCH,TOGGLE	2
25	PAFZZ	6680-01-131-2551	16476	06339-15	INDICATOR,LIQUID QU	1
26	PAFZZ	6350-01-517-8574	56493	SP-563	BUZZER.	2
27	PAFZZ	6645-01-517-9288	04664	63-4831	METER,TIME TOTALIZI.	1
28	PAFZZ	5930-00-111-8619	13445	90030	SWITCH,PUSH	1
29	PAFZZ	5930-01-268-7728	12361	7-872-000568	SWITCH,TOGGLE	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
30	PFFZZ		04664	52-1063	PANEL,INSTRUMENT TOP CONTROL MOUNT	1
31	PAFZZ	6210-01-124-9986	79218	V2172	LIGHT,INDICATOR RED	2

END OF FIGURE

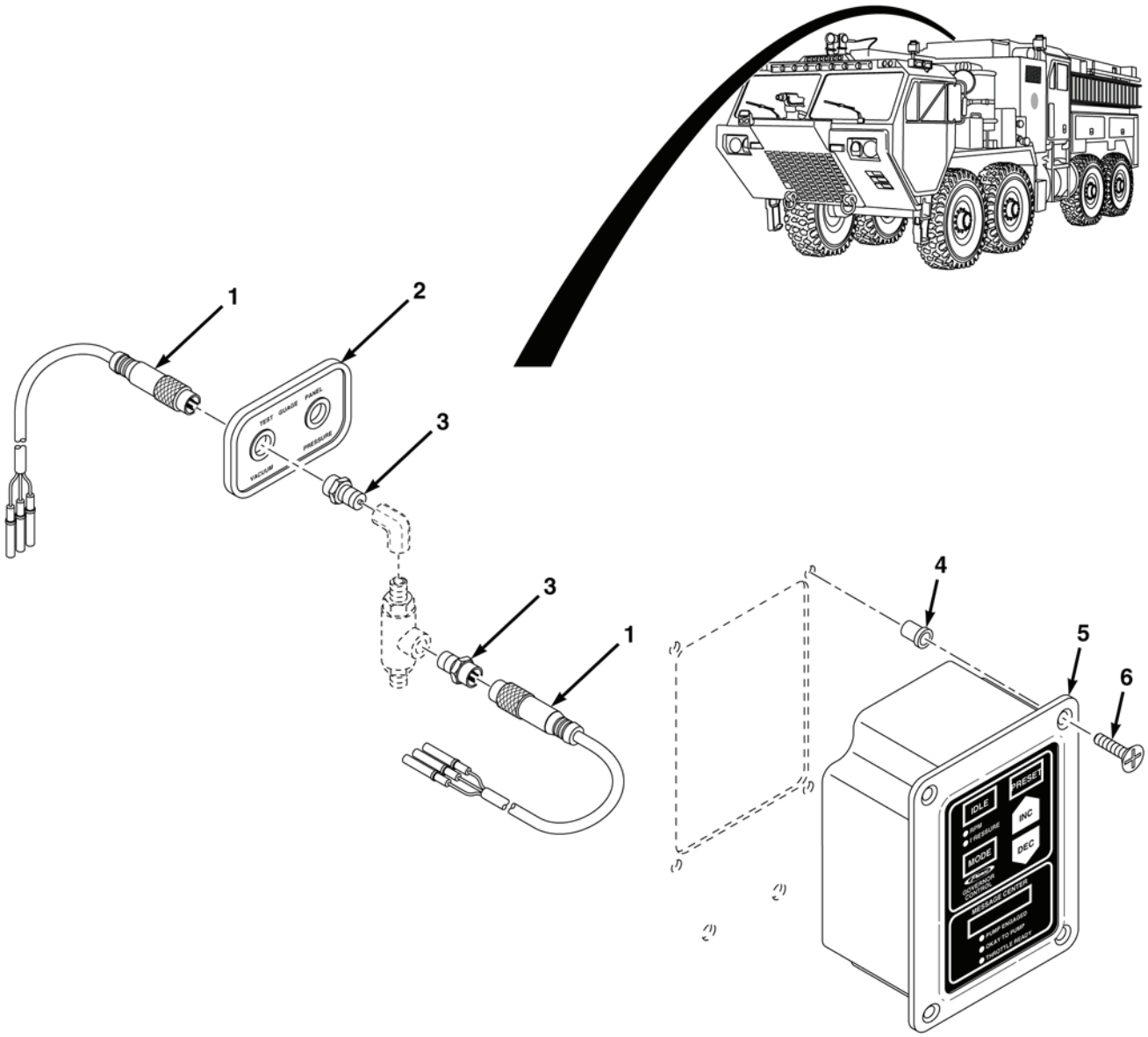


FIG. 57 GOVERNOR ASSEMBLY (1325775)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7615 INSTRUMENT HOUSING ASSEMBLY	
					FIG. 57 GOVERNOR ASSEMBLY (1325775)	
1	PAFZZ	6150-01-524-1862	06CG4	108083	CABLE ASSEMBLY,SPEC	2
2	PAFZZ	6685-01-517-4940	04664	52-0061	HOUSING,GAGE	1
3	PAFZZ	6685-01-518-0959	06CG4	108082	TRANSMITTER,PRESSUR GOVERNOR	2
4	PAFZZ	5325-01-414-7133	78276	ALS7-1024-225	INSERT,SCREW THREAD 10-24	4
5	PAFZZ	6110-01-518-2943	04664	63-1949	PANEL,POWER DISTRIB	1
6	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4	4
					END OF FIGURE	

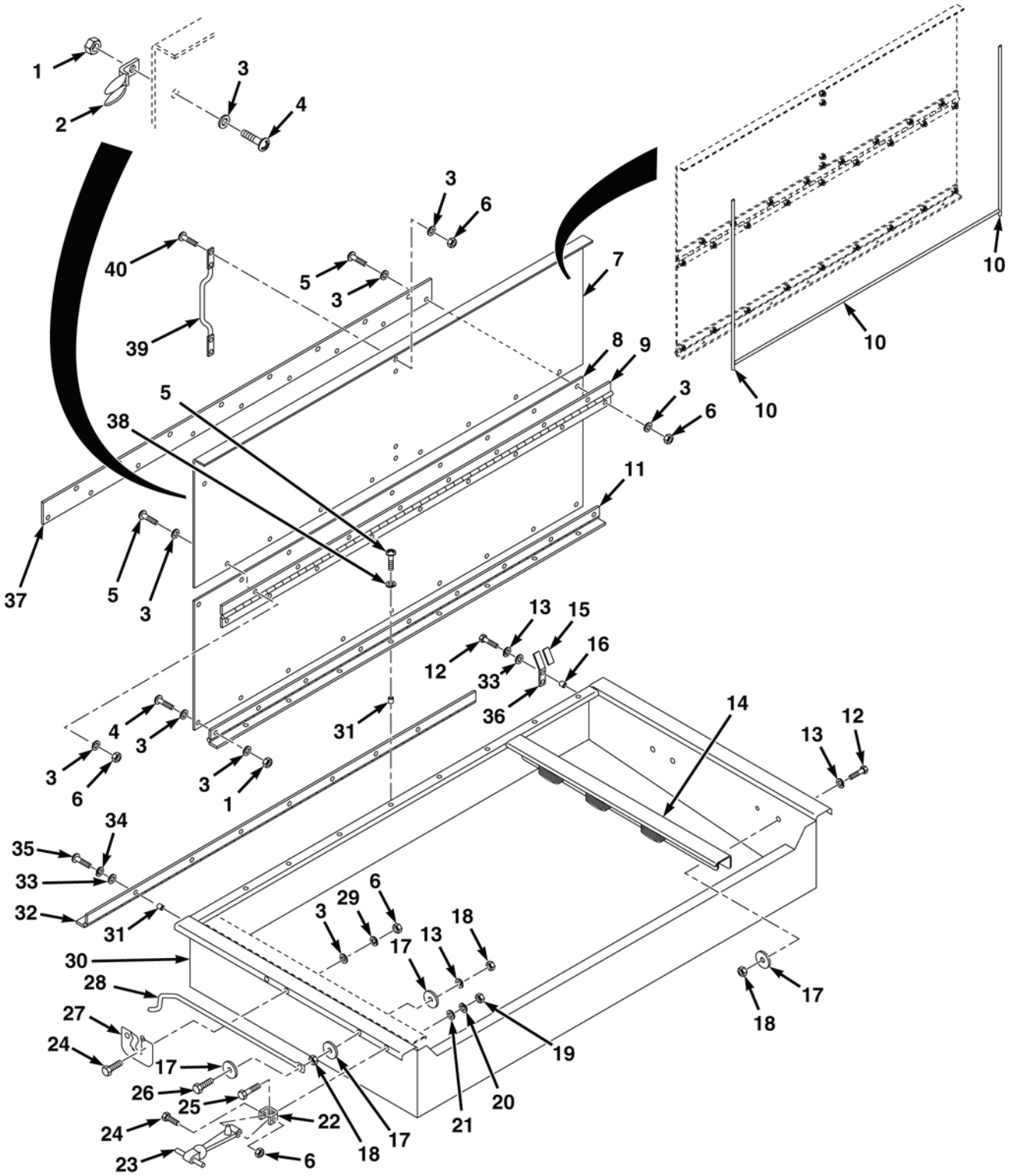


FIG. 58 CONTROL PANEL ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7615 INSTRUMENT HOUSING ASSEMBLY	
					FIG. 58 CONTROL PANEL ASSEMBLY	
1	PAFZZ	5310-01-557-0654	0Y3H3	1137407	NUT,PLAIN,HEX 10-24	11
2	PAFZZ	5340-01-156-6776	64386	277A801CP	STRAP,RETAINING	2
3	PAFZZ	5310-01-517-4200	04664	82-1017-001	WASHER,FLAT 1/4	32
4	PAFZZ	5305-00-050-9227	96906	MS51957-61	SCREW,MACHINE 10-24 X 3/8	10
5	PAFZZ	5305-00-050-9229	96906	MS51957-63	SCREW,MACHINE 1/4-20 X 1/2	17
6	PAFZZ	5310-00-934-9758	80205	MS35649-202	NUT,PLAIN,HEXAGON 1/4-20	23
7	PFFZZ		04664	1336230	COVER,CONTROL PANEL TOP MOUNT	1
8	PAFZZ		04664	1336228	COVER,CONTROL PANEL TOP MOUNT	1
9	PBFZZ		04664	1336705	HINGE,CONTROL PANEL TOP MOUNT	1
10	MFFZZ		04664	1437880-108	SEAL,DOOR,D-SECTION MAKE FROM P/N 1021986-00,CAGE 56329,APPROX 108 IN. LG.	9
11	PBFZZ		04664	1336706	HINGE,CONTROL PANEL TOP MOUNT	1
12	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON 1/4-20 X 3/4	6
13	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	6
14	PFFZZ		04664	1368984	LIGHT SHIELD ASSY,T	2
15	PAFZZ	5330-01-517-4833	04664	95-0659	SEAL,NONMETALLIC SP	2
16	PAFZZ	5325-01-517-2270	04664	82-0257-0002	INSERT,SCREW THREAD 1/4-20	4
17	PAFZZ	5310-01-517-4816	04664	82-0306-0100	WASHER,FLAT	2
18	PAFZZ	5310-00-001-9833	24821	173542	NUT,PLAIN,HEXAGON	2
19	PAFZZ	5310-00-044-3333	24617	443333	NUT,SELF-LOCKING,HE 5/16-18 NC	2
20	PAFZZ	5310-01-517-2801	04664	82-1043-0031	WASHER,LOCK 5/16	2
21	PAFZZ	5310-01-199-4393	39428	92141A030	WASHER,FLAT 5/16	2
22	PFFZZ	2590-01-517-2878	04664	1331040	BRACKET,VEHICULAR C	2
23	PAFZZ	2540-01-152-7764	64386	67D794	LATCH,HOOD	2
24	PAFZZ	5305-01-517-2795	04664	82-2034-0150	SCREW,MACHINE 1/4-20 X 1 1/2	2
25	PAFZZ	5305-00-017-5198	24617	175198	SCREW,MACHINE 5/16-18 NC X 3/4	2
26	PAFZZ	5305-00-988-1727	80205	MS35206-283	SCREW,MACHINE 1/4-20 X 1	1
27	PAFZZ	5340-01-517-5840	04664	1400972	CLIP,SPRING TENSION PROP ROD	1
28	PAFZZ		04664	1400898	PROP,ROD,TOP MOUNT PANEL COVER	1
29	PAFZZ	5310-00-933-8120	80205	MS35338-138	WASHER,LOCK NO. 10	1
30	PFFZZ		04664	1333431	PANEL ASSEMBLY,CONT	1
31	PAFZZ	5325-01-517-2773	04664	82-0260-0002	INSERT,SCREW THREAD 10-24	16
32	PBFZZ		04664	1334352	HINGE	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
33	PAFZZ	5310-01-517-2762	04664	82-1030-0019	WASHER,FLAT NO.10	7
34	PAFZZ	5310-01-518-0051	04664	82-1043-0010	WASHER,LOCK NO.10	7
35	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4	16
36	PAFZZ		04664	1347016	STOP,PANEL COVER TOP MOUNT	2
37	PAFZZ		04664	1339515	COVER PLATE,HINGE	1
38	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	8
39	PAFZZ	5340-01-517-6650	04664	80-0026	HANDLE,BOW	1
40	PAFZZ	5305-00-701-5074	80205	MS51959-63	SCREW,MACHINE 10-24 X 1/2 FLTHEAD	4

END OF FIGURE

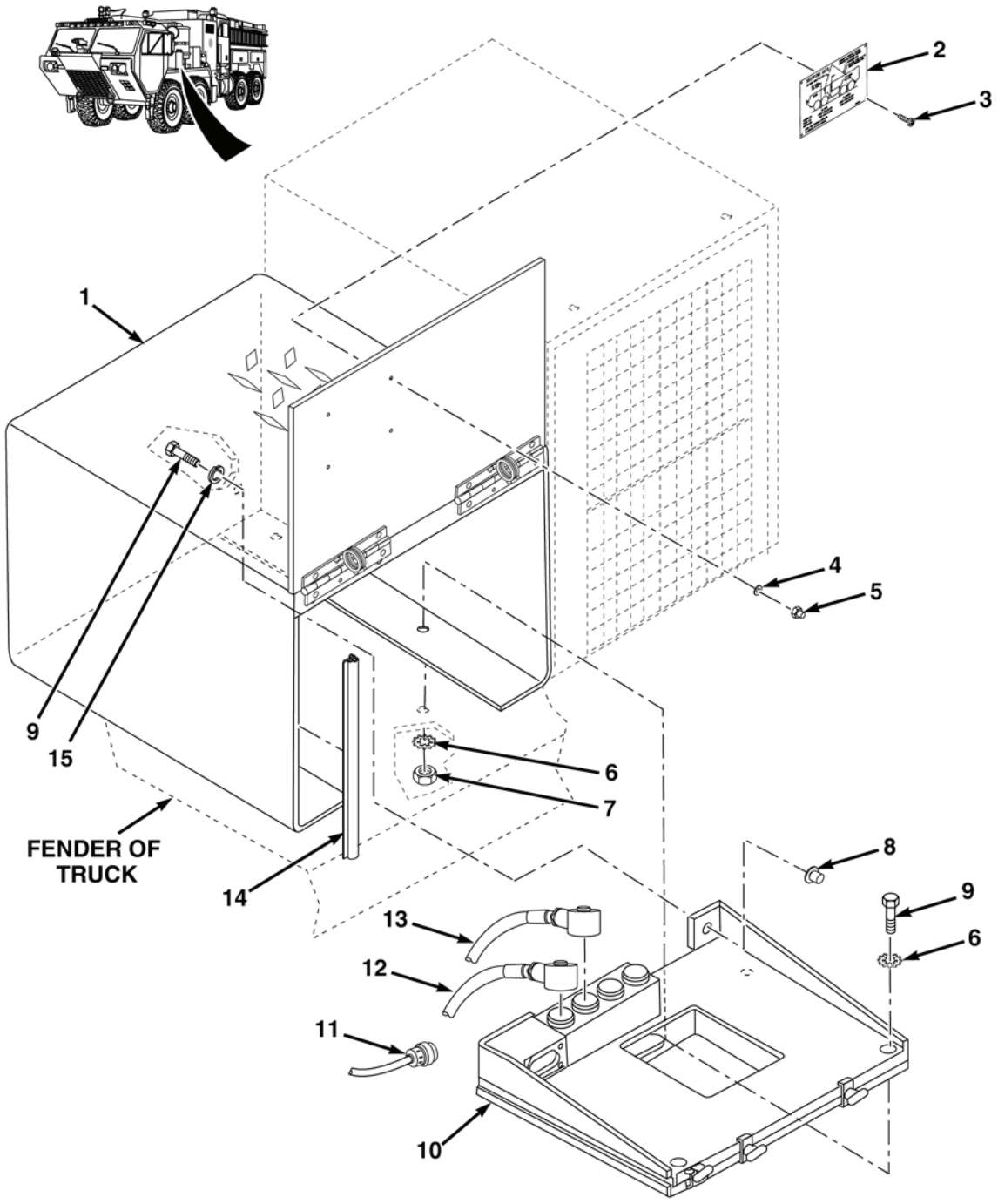


FIG. 59 SINCGARS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7615 INSTRUMENT HOUSING ASSEMBLY	
					FIG. 59 SINCGARS	
1	PFFZZ		04664	1620901	SINCGARS COVER RADIO	1
2	PAFZZ		04664	1400528	LABEL,VEHICLE DATA SHIPPING	1
3	PAFZZ	5305-00-889-3000	80205	MS35206-230	SCREW,MACHINE 6-32 X .500.	1
4	PAFZZ	5310-00-983-8483	96906	MS27183-5	WASHER,FLAT NO.6.	4
5	PAFZZ	5310-00-053-8390	58536	A-A-55629-1	NUT,PLAIN,CAP 6-32	4
6	PAFZZ	5310-00-058-3135	96906	MS35336-35	WASHER,LOCK EXTERNAL TOOTH . . .	8
7	PAFZZ	5310-00-880-7744	80204	ANSI B18.2.2	NUT,PLAIN,HEXAGON .312-18 UNC . . .	4
8	PAFZZ	5325-00-420-1901	96906	MS51831-103L	INSERT,SCREW THREAD .312	1
9	PAFZZ	5305-01-082-0049	11939	93543216	SCREW,CAP,HEX HEAD .312-18 X 1 . . .	5
10	PAFZZ	5975-01-188-8873	80063	A3013367-1	MOUNTING BASE,ELECT	1
11	PFFFF	5995-01-219-1843	80063	A3014039-2	CABLE,RADIO POWER 9FT.	1
12	PFFFF	5995-01-559-2129	8X646	J04-0917-4-45FT	CABLE,RADIO RADIO FREQUENCY . . .	1
13	PFFFF		04664	1436639	CABLE,RADIO INTERFA INTERFACE . .	1
14	MFFZZ		82654	75000343-14	BEZEL,AUTO TRIM MAKE FROM P/N 75000343, CAGE 82654,APPROX 14 IN. LG.	2
15	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT .312	1
					END OF FIGURE	

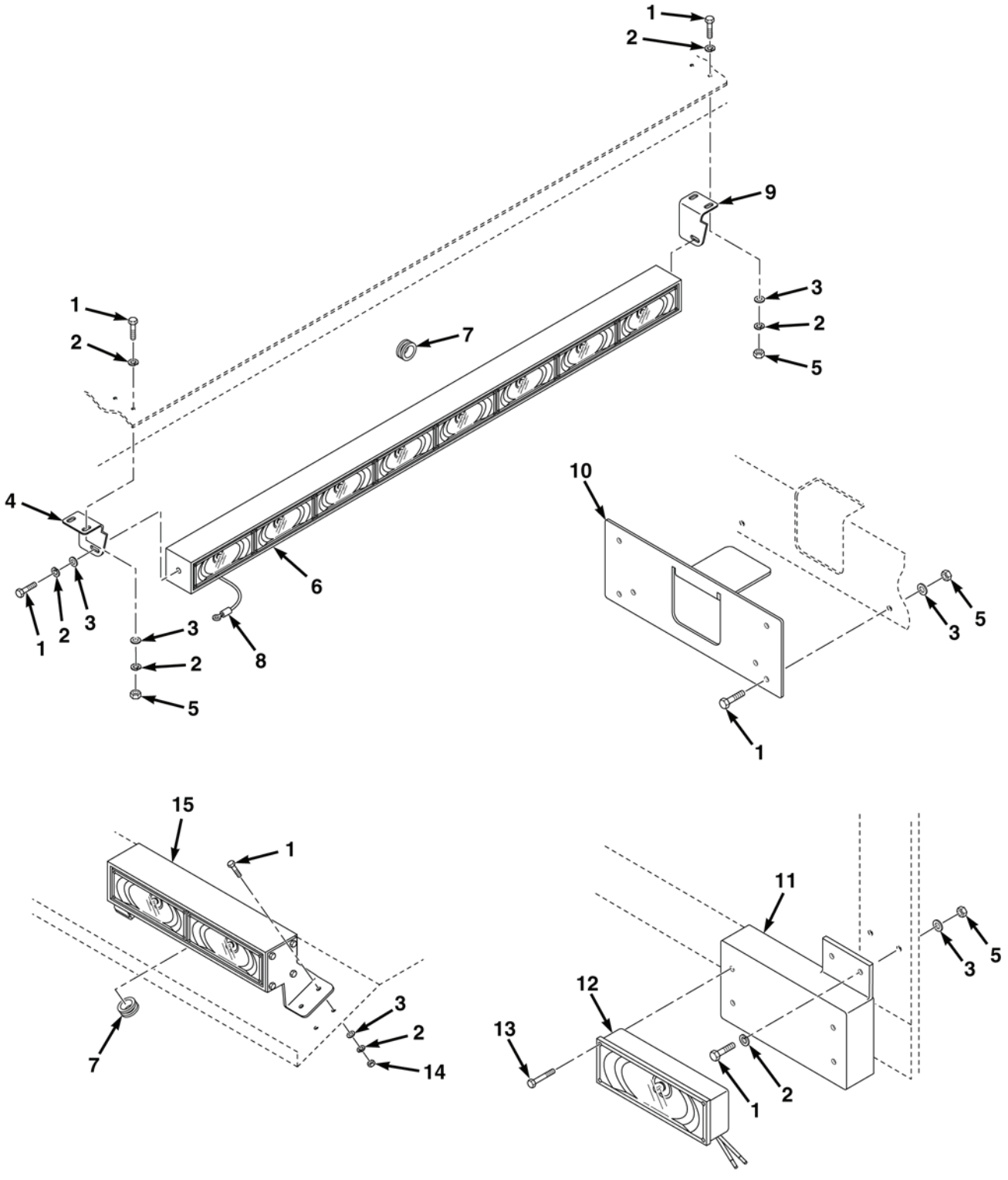


FIG. 60 LIGHT, WELDON, 3800 SERIES

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7621 WARNING LIGHT ASSEMBLY	
					FIG. 60 LIGHT, WELDON, 3800 SERIES	
1	PAFZZ	5306-00-543-4405	80205	MS35307-334	BOLT,MACHINE 5/16-18 X 1	18
2	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	18
3	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	18
4	PFFZZ	5340-01-559-3586	04664	1199178	BRACKET,MOUNTING LH	1
5	PAFZZ	5310-00-880-7744	80204	ANSI B18.2.2	NUT,PLAIN,HEXAGON 5/16-18.	10
6	PAFZZ	6220-01-517-6077	60359	3901-5903-00	LIGHT ASSEMBLY INDICATOR	1
7	PAFZZ	5325-00-276-5954	96906	MS35489-49	GROMMET,NONMETALLIC	2
8	PAFZZ	6150-01-517-9973	04664	1224981	CABLE ASSEMBLY,SPEC	1
9	PFFZZ	5340-01-559-3886	04664	1199179	BRACKET,MOUNTING RH	1
10	PFFZZ	5340-01-560-0326	04664	1345435	BRACKET,MOUNTING WARNING LIGHT	1
11	PFFZZ		04664	1218365	BRACKET,MOUNTING	1
12	PAFZZ	6220-01-517-8551	60359	3871-1000-10	LIGHT,INDICATOR.	16
13	PAFZZ	5305-00-855-0957	45152	2477HX	SCREW,TAPPING	64
14	PAFZZ	5310-00-052-9668	58536	A-A-55629-6	NUT,PLAIN,CAP 5/16-18	8
15	PAFZZ	6220-01-517-6096	60359	3901-1604-00	LIGHT ASSEMBLY INDICATOR,LH	1
15	PAFZZ	6220-01-517-9338	60359	3901-1605-00	LIGHT ASSEMBLY INDICATOR,RH	1
					END OF FIGURE	

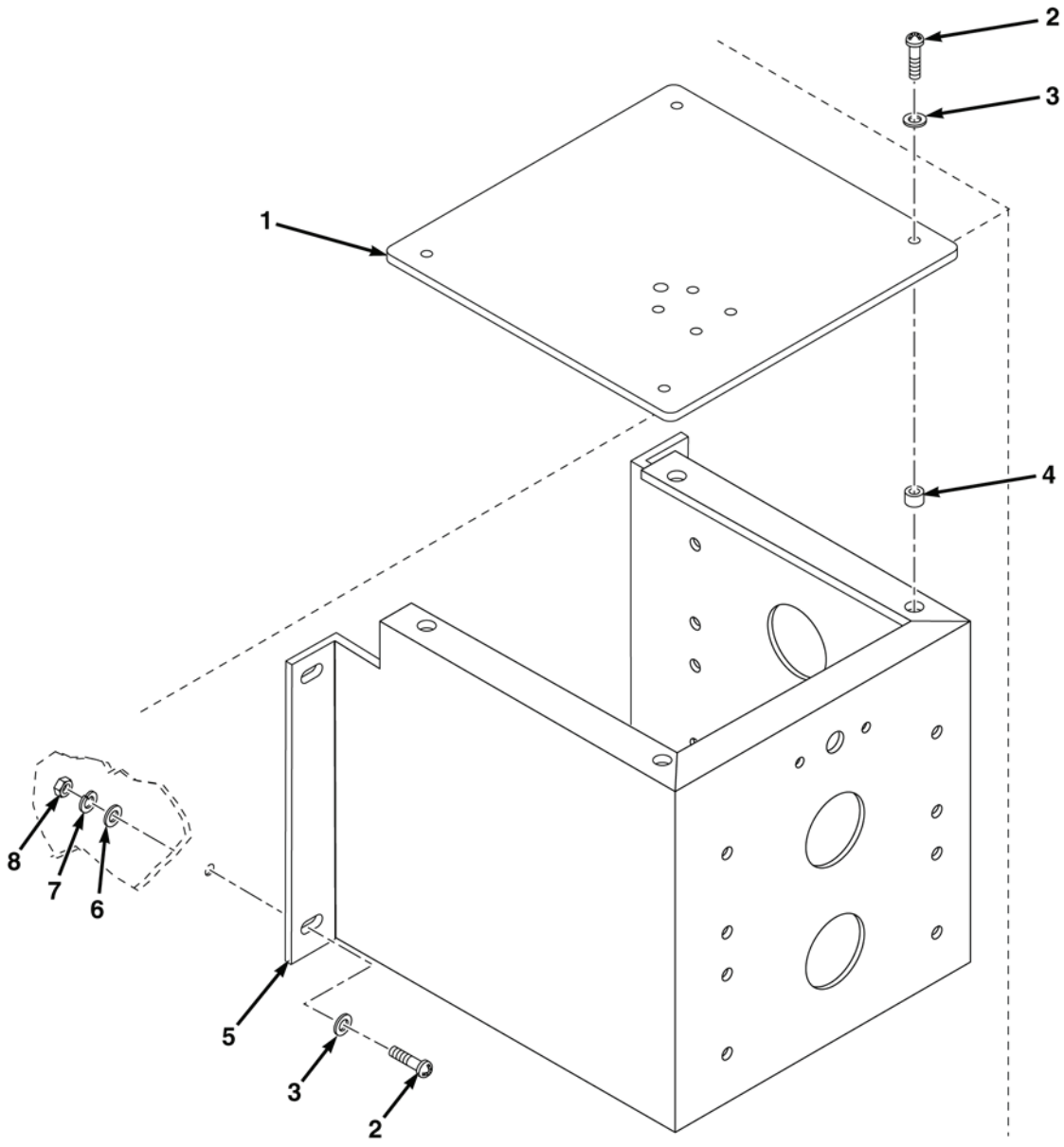


FIG. 61 LIGHT MOUNTING BRACKET

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7621 WARNING LIGHT ASSEMBLY	
					FIG. 61 LIGHT MOUNTING BRACKET	
1	PFFZZ		04664	1136324	COVER,LIGHT BRACKET	1
2	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4	8
3	PAFZZ	5310-00-562-2826	39428	90295A140	WASHER,FLAT	8
4	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	4
5	PFFZZ		04664	1136323	BRACKET,LIGHT DRIVER SIDE	1
6	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	4
7	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	4
8	PAFZZ	5310-01-142-7049	45152	1817HX	NUT,PLAIN,HEXAGON 10-24	4
					END OF FIGURE	

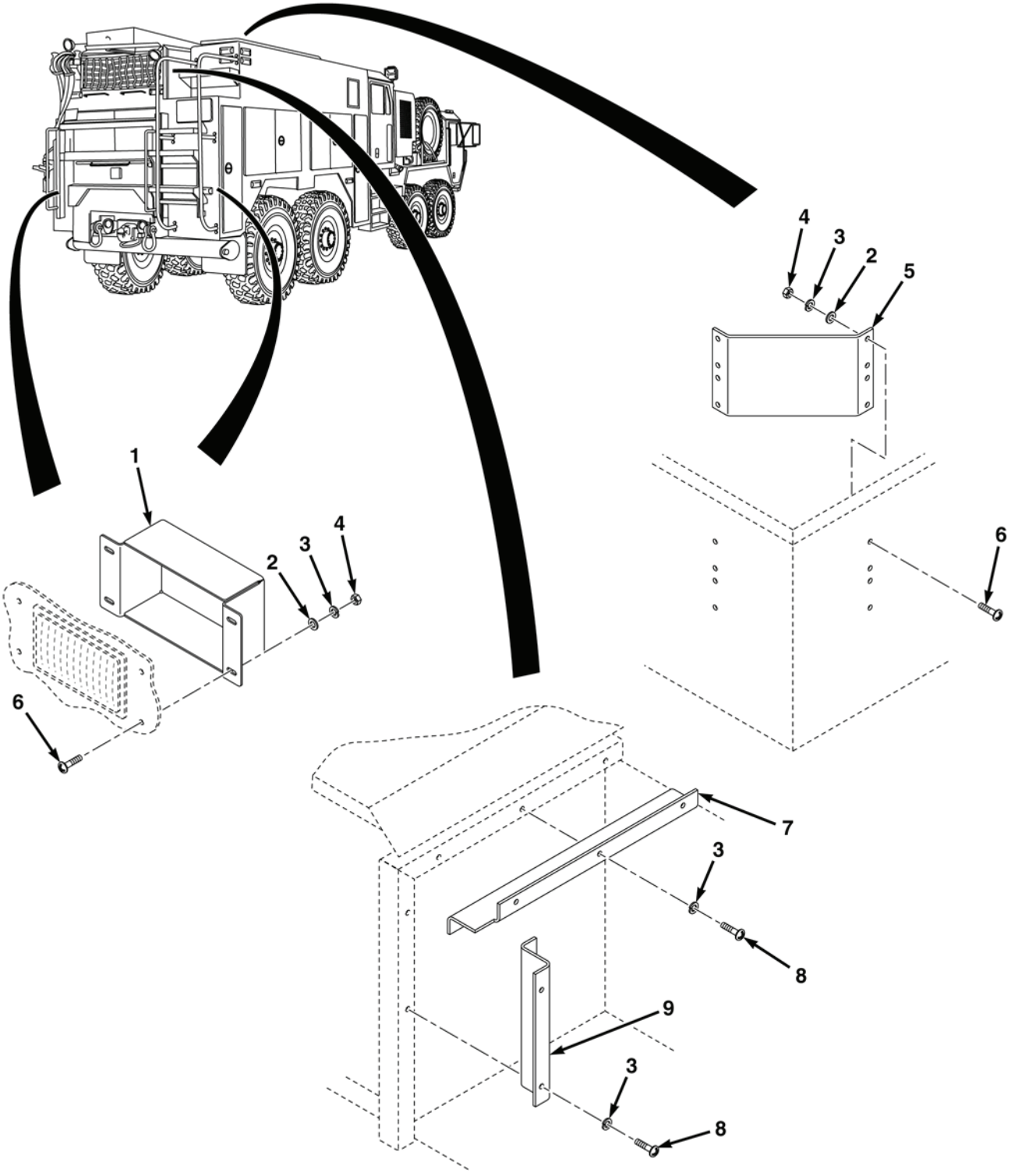


FIG. 62 COVER GROUP, WIRE, REAR BODY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7621 WARNING LIGHT ASSEMBLY	
					FIG. 62 COVER GROUP, WIRE, REAR BODY	
1	PFFZZ		04664	1331396	COVER,WIRE,WARNING	2
2	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	12
3	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	17
4	PAFZZ	5310-01-142-7049	45152	1817HX	NUT,PLAIN,HEXAGON 10-24	12
5	PFFZZ		04664	1221929	BRACKET,COVER HATCH COMPARTMENT	1
6	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X 3/4.	12
7	PFFZZ		04664	1136388	COVER,WIRE PASSENGER SIDE	1
8	PAFZZ	5305-00-883-0629	96906	MS51862-6	SCREW,TAPPING	5
9	PFFZZ		04664	1136321	COVER,WIRE	1
					END OF FIGURE	

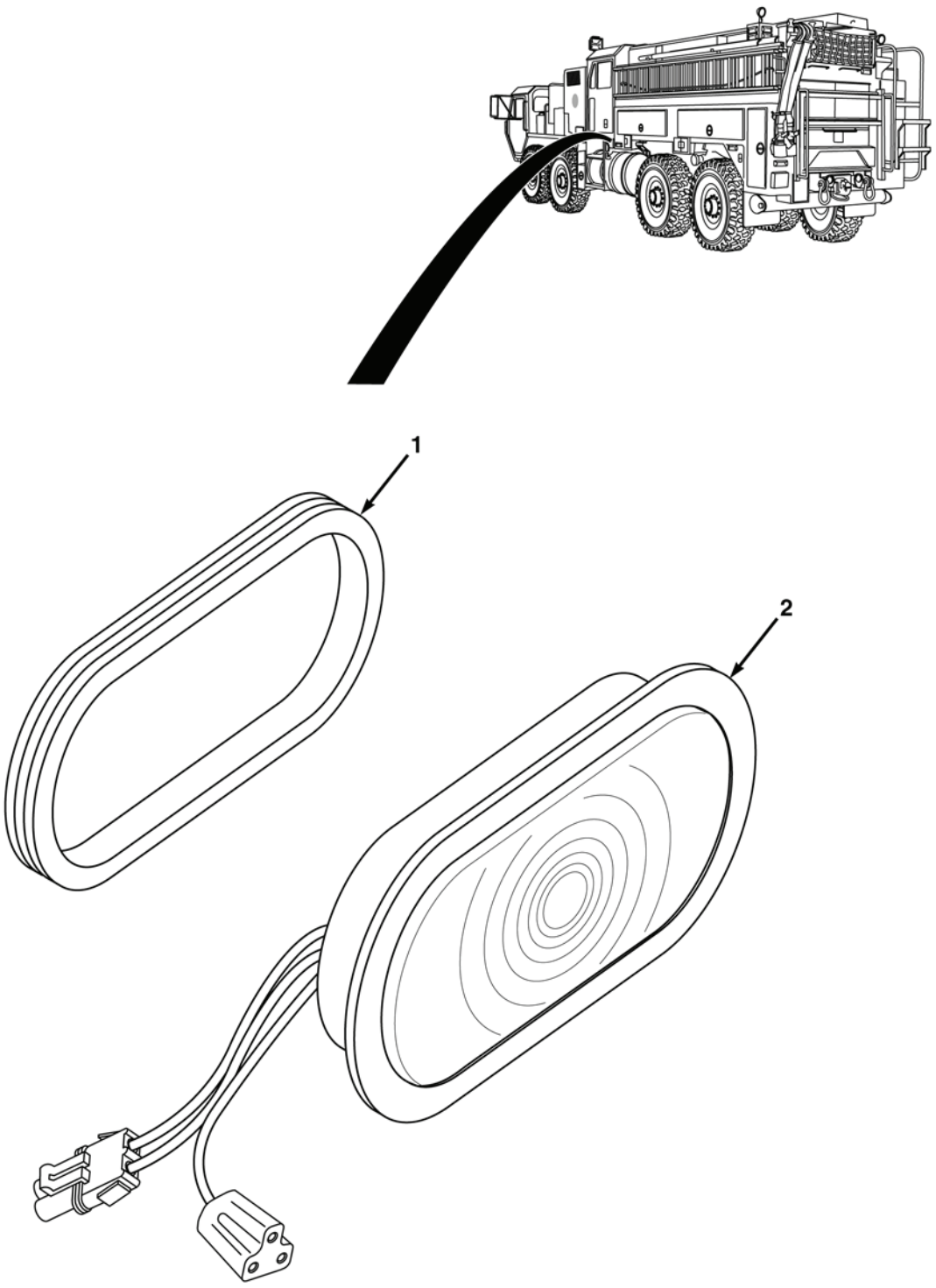


FIG. 63 LIGHT ASSEMBLY, CLEARANCE, AMBER (1184086)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7621 WARNING LIGHT ASSEMBLY	
					FIG. 63 LIGHT ASSEMBLY, CLEARANCE, AMBER (1184086)	
1	PAFZZ	5325-01-163-6558	13548	60700	GROMMET,NONMETALLIC.	1
2	PAFZZ	6220-01-517-8185	13548	60255Y	LIGHT,MARKER CLEARANCE	1
					END OF FIGURE	

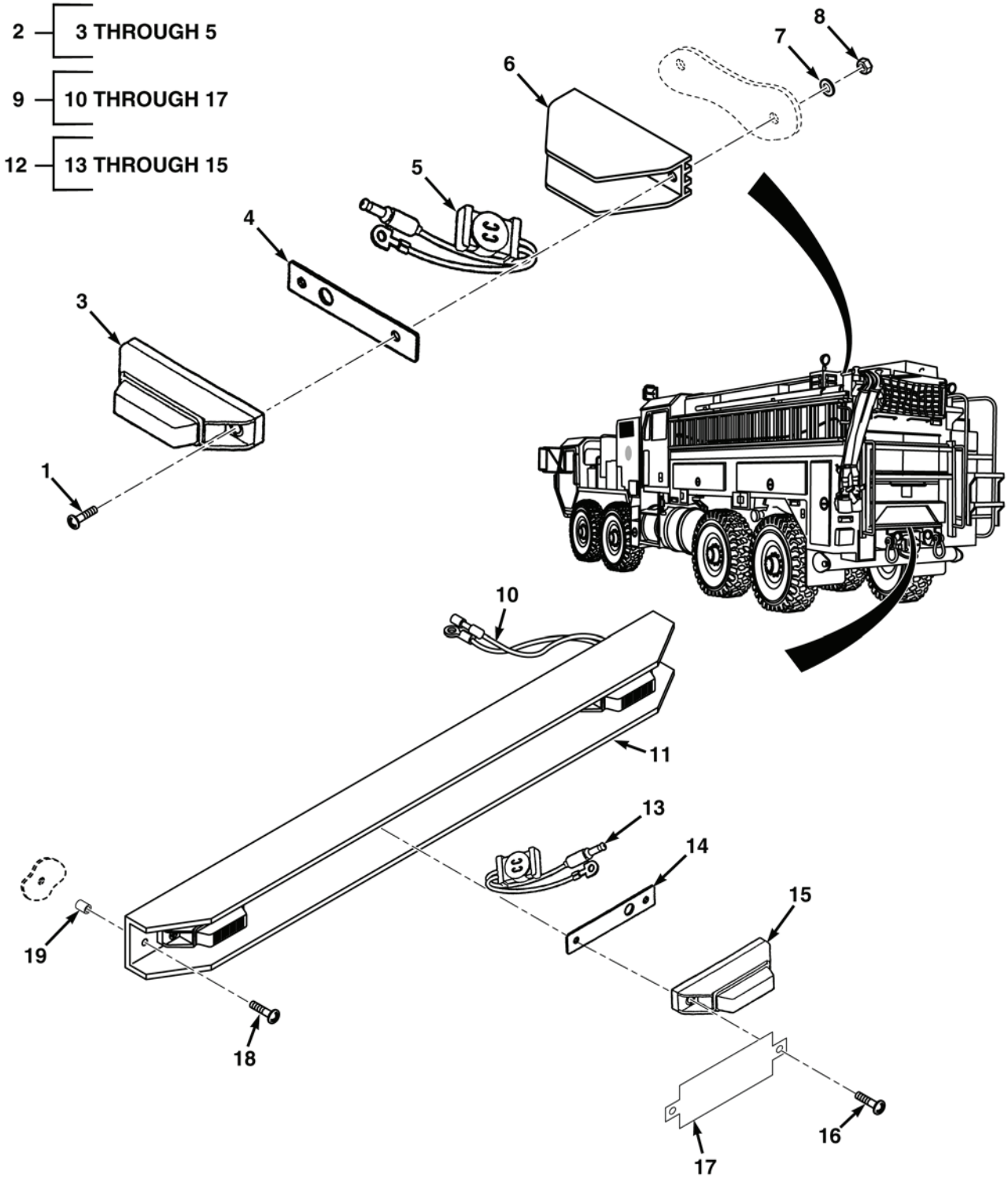


FIG. 64 LIGHT ASSEMBLIES, REAR CLEARANCE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7621 WARNING LIGHT ASSEMBLY	
					FIG. 64 LIGHT ASSEMBLIES, REAR CLEARANCE	
1	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X .75	8
2	PAFZZ	6220-01-517-4358	13548	35017R	LIGHT,MARKER,CLEARA	4
3	PAFZZ	6220-01-517-8169	13548	35200R	. LIGHT,MARKER	1
4	PAFZZ	5330-01-517-2194	13548	97035	. GASKET	1
5	PAFZZ	5935-01-517-8182	13548	94862	. CONNECTOR,PLUG	1
6	PFFZZ		04664	1186133	BRACKET,LIGHT,MARKE CLEARANCE LIGHT	4
7	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10	8
8	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24	8
9	PAFZZ	6220-01-517-6092	04664	61-1229	LIGHT ASSEMBLY CLEARANCE	1
10	PAFZZ		13548	96989	. HARNESS	1
11	PFFZZ		13548	00815	. BAR,ID 6" CENTER	1
12	PAFZZ	6220-01-517-4358	13548	35017R	. LIGHT,MARKER,CLEARA	3
13	PAFZZ	6220-01-517-8169	13548	35200R	. . LIGHT,MARKER	1
14	PAFZZ	5330-01-517-2194	13548	97035	. . GASKET	1
15	PAFZZ	5935-01-517-8182	13548	94862	. . CONNECTOR,PLUG	1
16	PAFZZ	5305-00-984-6212	80205	MS35206-265	. SCREW,MACHINE 10-24 X .75	6
17	XAFZZ		13548	35740R-AA	. COVER,ACCESS	2
18	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1.00	2
19	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	2
					END OF FIGURE	

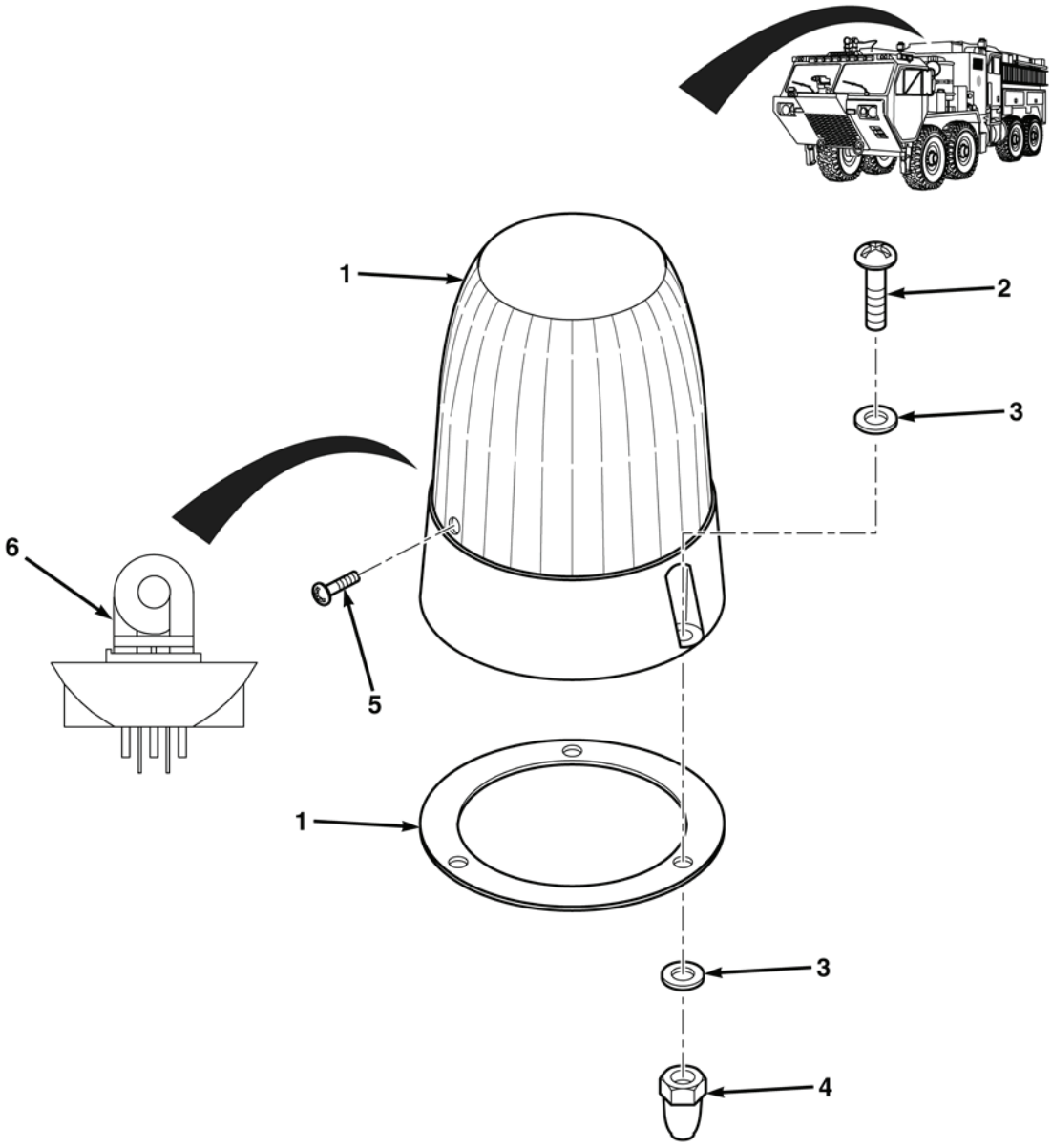


FIG. 65 STROBE LIGHT INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7621 WARNING LIGHT ASSEMBLY	
					FIG. 65 STROBE LIGHT INSTALLATION	
1	PAFZZ	6220-01-525-4424	10402	1200DHRP	LIGHT,WARNING	1
2	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1.00	3
3	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10	6
4	PAFZZ	5310-01-283-4637	96906	A-A-55629	NUT,PLAIN,CAP #10-24 UNC	3
5	PAFZZ	5305-00-403-3465	80205	NAS1635-08-10	SCREW 8-32 x .625	2
6	PAFZZ	6240-01-498-3042	10402	36-0342400-00	LAMP,FLASHTUBE	1
					END OF FIGURE	

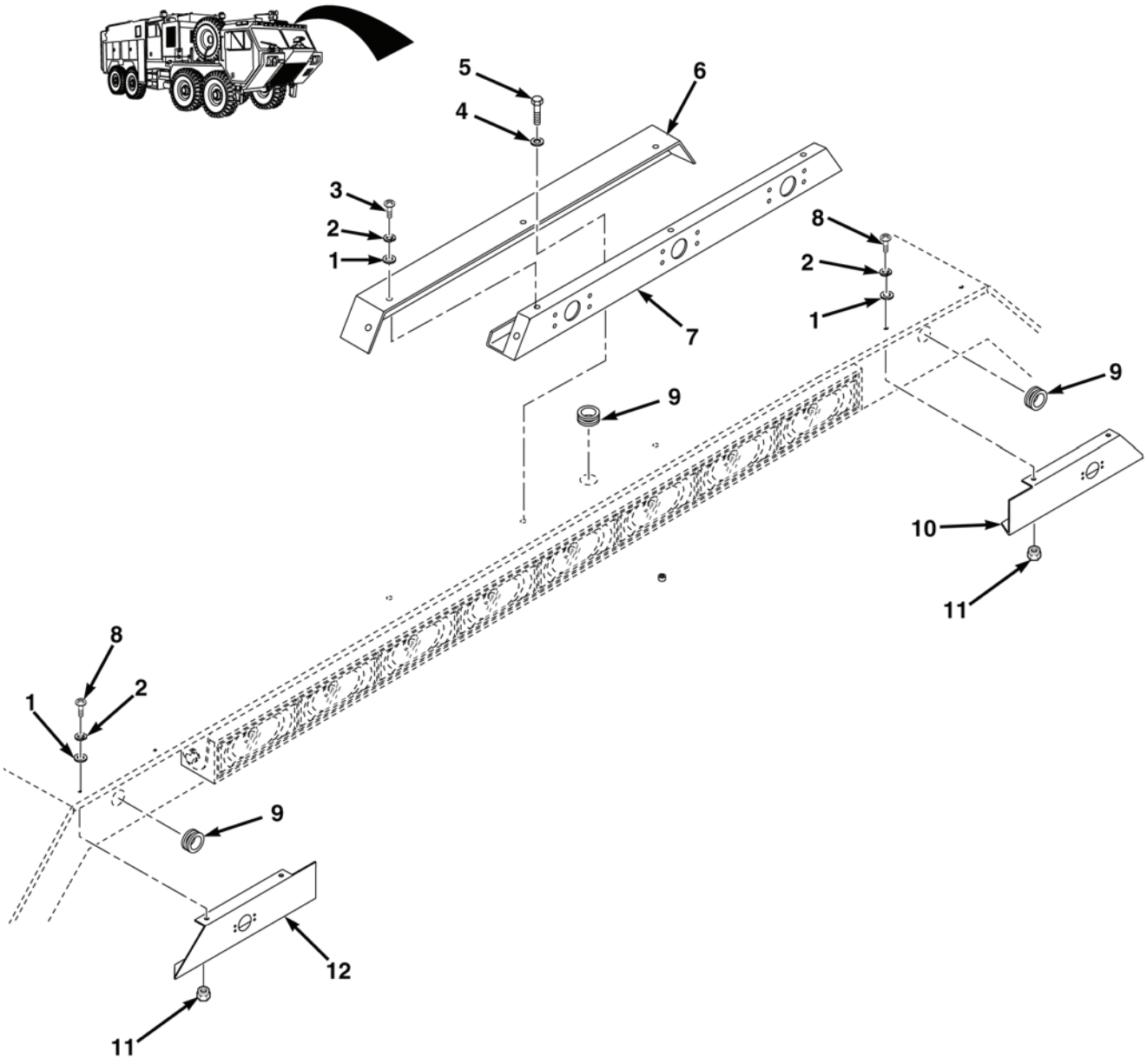


FIG. 66 BRACKET, LIGHTS, ROOF MOUNTED

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7621 WARNING LIGHT ASSEMBLY	
					FIG. 66 BRACKET, LIGHTS, ROOF MOUNTED	
1	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	9
2	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK.	9
3	PAFZZ	5305-01-517-3710	92858	9958.0001	SCREW,MACHINE 10-24 NC X 1/2.	5
4	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	2
5	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON 1/4-20 X 3/4. . .	5
6	PFFZZ	5340-01-559-3883	04664	1199173	BRACKET,MOUNTING BACK CLEARANCE LIGHT	1
7	PFFZZ	5340-01-559-3583	04664	1199171	BRACKET,MOUNTING CENTER,CLEARANCE LIGHT	1
8	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1 NC	4
9	PAFZZ	5325-00-276-5954	96906	MS35489-49	GROMMET,NONMETALLIC.	3
10	PFFZZ	5340-01-559-9286	04664	1199177	BRACKET,MOUNTING LH,CLEARANCE LIGHT.	1
11	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	4
12	PFFZZ	5340-01-559-2775	04664	1199175	BRACKET,MOUNTING RT,CLEARANCE LIGHT.	1
					END OF FIGURE	

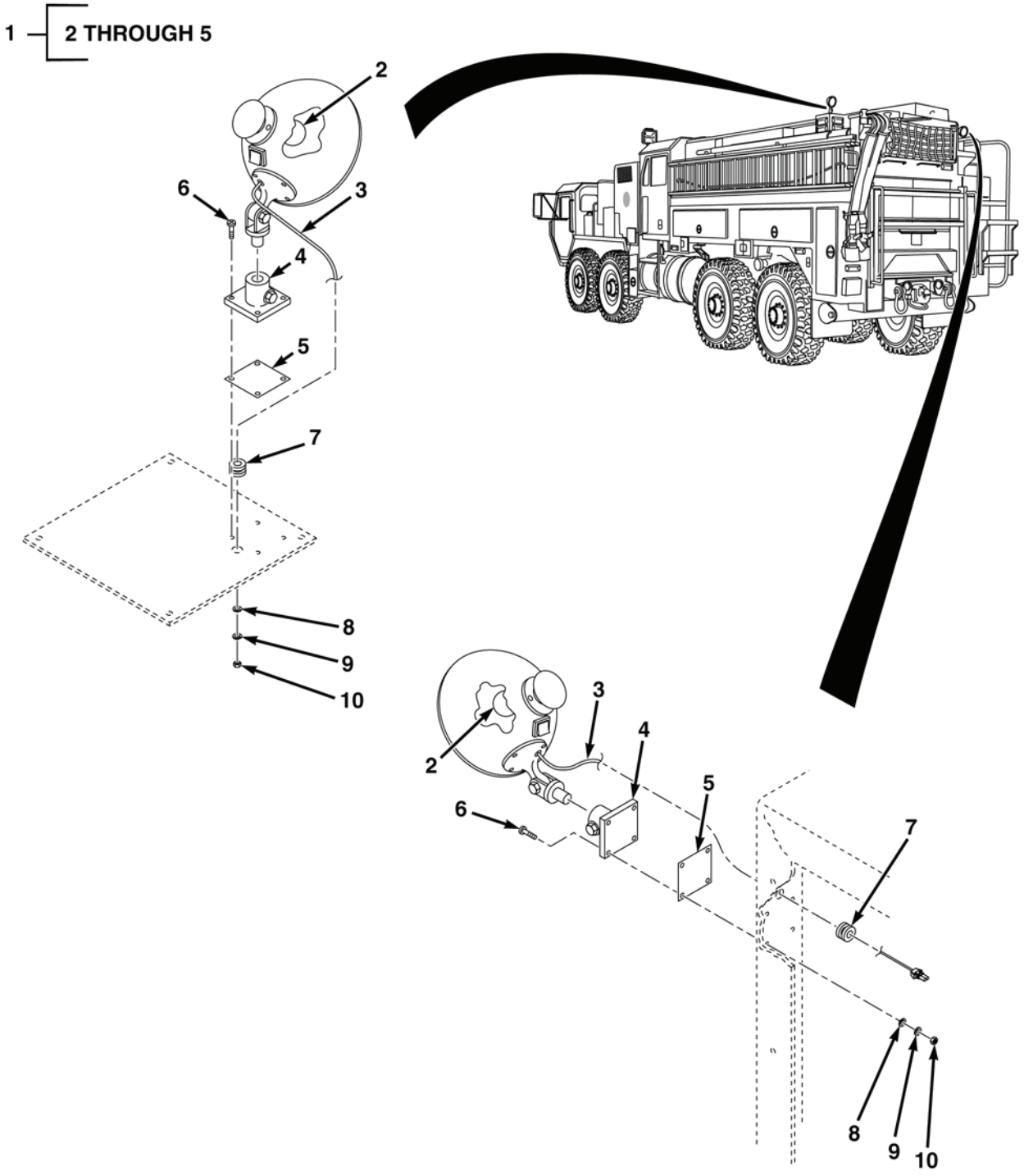


FIG. 67 LIGHT, DECK SPT UNITY W/SQR BRACKET

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7622 SPOTLIGHTS (FRONT AND REAR)	
					FIG. 67 LIGHT, DECK SPT UNITY W/ SQR BRACKET	
1	PAFFZ	6220-01-517-6149	04664	1325289	SPOTLIGHT SUPP0RT UNIT	2
2	PAFZZ	6240-00-019-3141	96906	MS18005-4530	. LAMP,INCANDESCENT.	2
3	PAFZZ	6150-01-517-8498	78977	1469-1	. CABLE ASSEMBLY,SPEC.	2
4	PFFZZ	5340-01-517-2833	78977	7037	. BRACKET,MOUNTING	2
5	PAFZZ	6220-00-217-9149	78977	7015	. PAD	2
6	PAFZZ	5305-00-145-0960	80205	MS35206-338	SCREW,MACHINE 10-24 X 1 1/4	8
7	PAFZZ	5325-00-281-4365	70485	374	GROMMET,NONMETALLIC.	2
8	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	8
9	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	8
10	PAFZZ	5310-01-142-7049	45152	1817HX	NUT,PLAIN,HEXAGON 10-24	8
					END OF FIGURE	

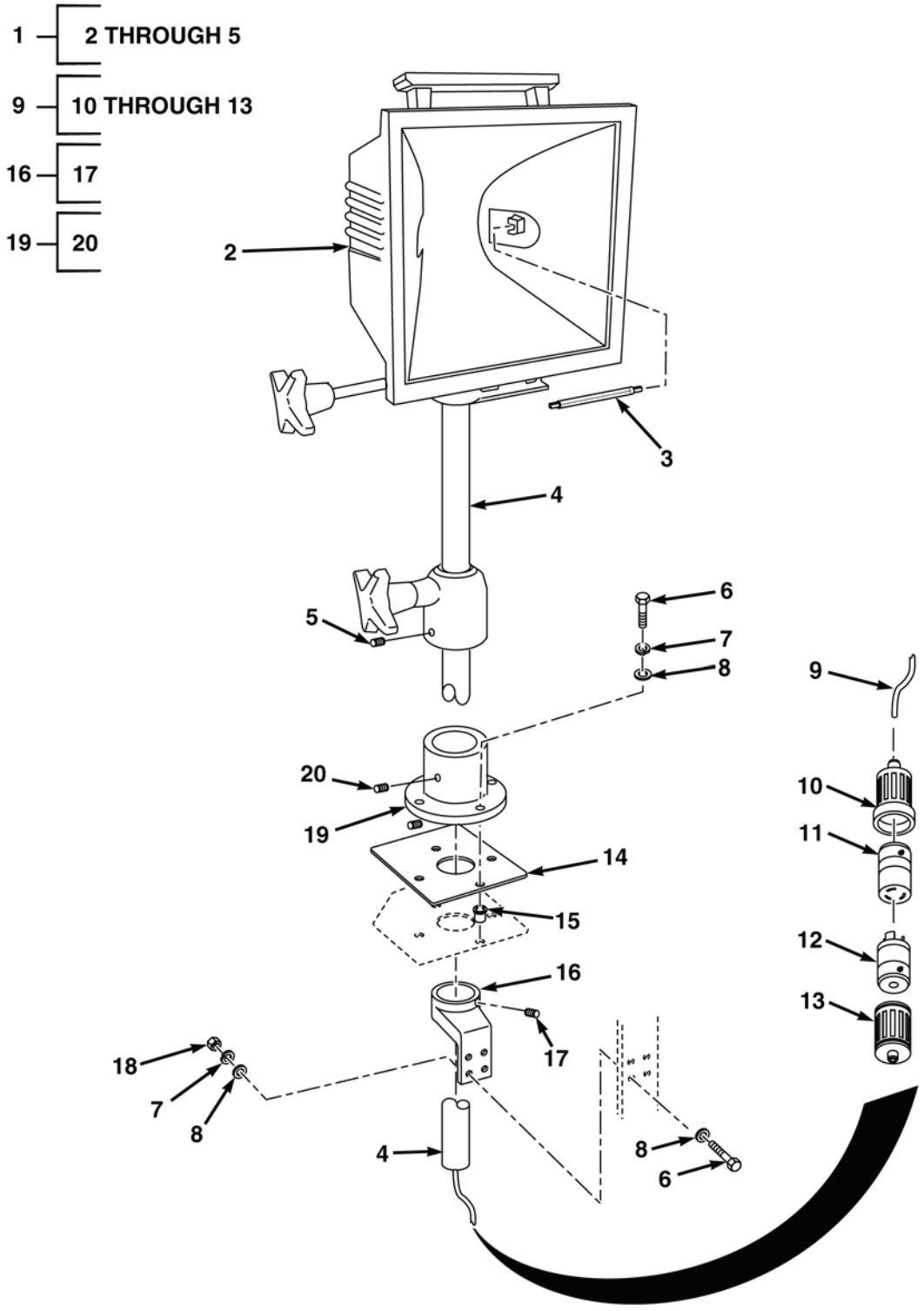


FIG. 68 FLOODLIGHT, EXTENDABLE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7622 SPOTLIGHTS (FRONT AND REAR)	
					FIG. 68 FLOODLIGHT, EXTENDABLE	
1	PAFFZ	6220-01-517-5809	0HXV5	E-500-NB.40	FLOODLIGHT,ELECTRIC	2
2	PAFZZ	6220-01-517-5811	0HXV5	HD-500-120	. FLOODLIGHT,ELECTRIC	2
3	PAFZZ	6240-00-946-2171	08805	Q500T3CL120V	. LAMP,INCANDESCENT.	2
4	PAFZZ	6230-01-518-5403	0HXV5	EP-171-40	. STAND,LIGHT	2
5	PAFZZ	5305-00-061-0266	80205	MS51029-50	. SETSCREW 1/4-20 X 5/16	16
6	PAFZZ	5305-00-021-3668	80205	MS35307-310	SCREW,CAP,HEXAGON	16
7	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	16
8	PAFZZ	5310-00-950-1403	80205	MS15795-853	WASHER,FLAT 1/4	24
9	MFFZZ		04664	640047-15	CABLE ASSEMBLY,SPEC MAKE FROM P/N 640047,CAGE 04664,APPROX 180 IN. LG.	30
10	PAFZZ	5935-01-110-7143	74545	6024	. BACKSHELL	2
11	PAFZZ	5935-01-396-8121	74545	4729C	. CONNECTOR,PLUG,ELEC	2
12	PAFZZ	5935-01-025-9099	74545	47CM20C	. CONNECTOR,PLUG,ELEC	2
13	PAFZZ	5935-01-108-1877	74545	6023	. COVER,ELECTRICAL	2
14	PFFZZ		04664	1343094	FILLER, LIGHT BRACK.	2
15	PAFZZ	5325-01-395-1247	78276	ALS4-420-260	INSERT,SCREW THREAD 1/4-20	8
16	PFFZZ		0HXV5	SM2	BRACKET,LIGHT,EXTEN SIDE MOUNT.	2
17	PAFZZ	5305-00-061-0266	80205	MS51029-50	. SETSCREW 1/4-20 X 5/16	16
18	PAFZZ	5310-00-001-9833	24821	173542	NUT,PLAIN,HEXAGON	8
19	PFFZZ		0HXV5	TM	BRACKET,LIGHT,EXTEN TOP MOUNT .	2
20	PAFZZ	5305-00-061-0266	80205	MS51029-50	. SETSCREW 1/4-20 X 5/16	16
					END OF FIGURE	

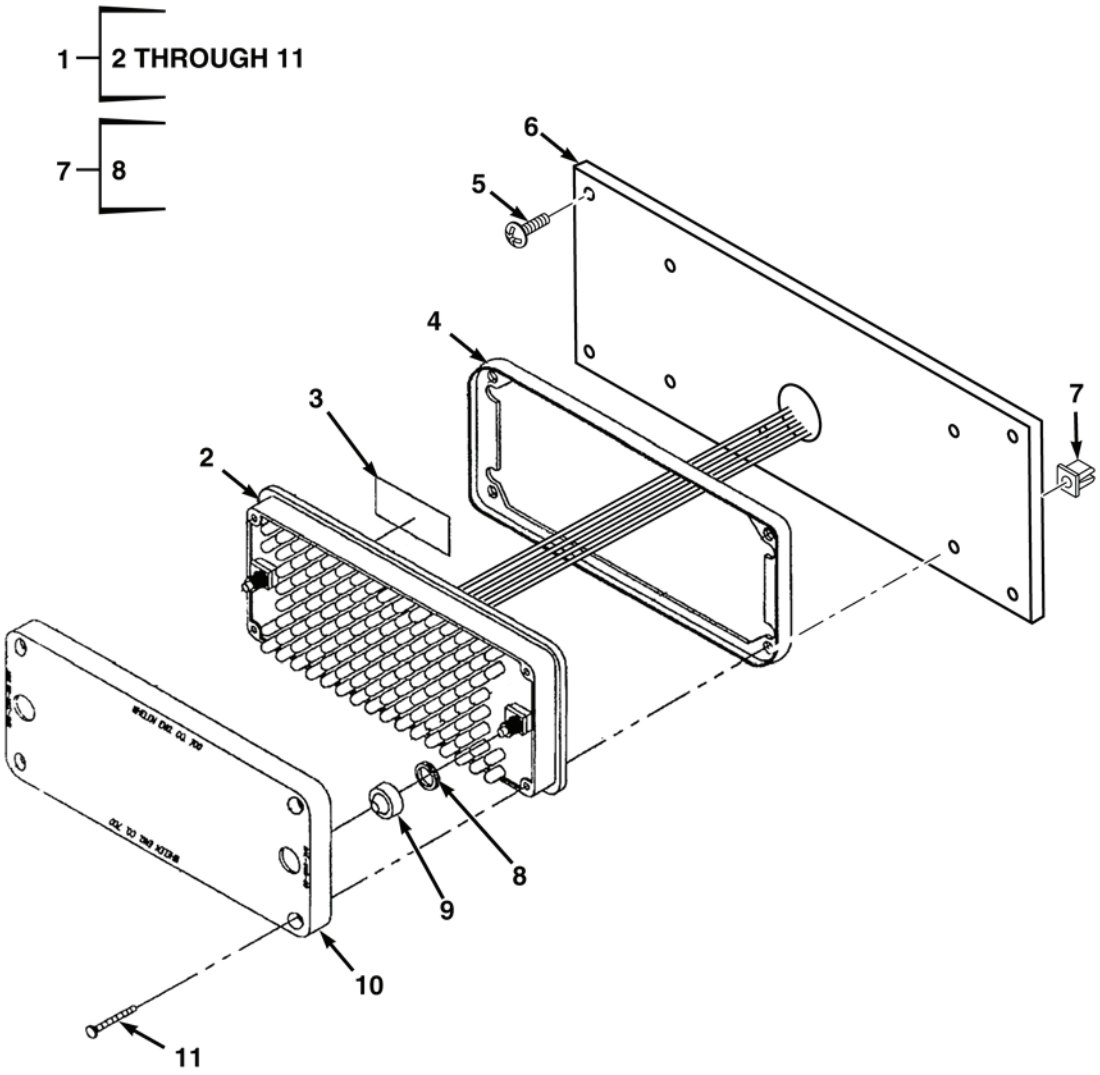


FIG. 69 CREW CAB DOME LIGHT (CLEAR)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7623 DOME AND ENGINE LIGHT ASSEMBLY	
					FIG. 69 CREW CAB DOME LIGHT (CLEAR)	
1	PAFFZ		10402	01-0663729-00	LIGHT,DOME ASSEMBLY	2
2	XAFZZ		10402	01-0263729-53	. L.E.D. SUB ASSEMBLY	2
3	XAFZZ		10402	10-0523034-00	. LABEL	2
4	XAFZZ		10402	38-0463342-00	. GASKET	2
5	PAFZZ	5305-00-409-2155	80205	NAS1635-06-16	. SCREW,MACHINE 6-32 X 1	8
6	PAFZZ		04664	1609188	. PANEL,TRUCK	2
7	PAFZZ		04664	1461022	. GROMMET,PLASTIC BLACK,6 & 8	2
8	XAFZZ		10402	01-0263729-53-XA	. . BLACK NUT	2
9	XAFZZ		10402	41-000000B-09	. BOOT,SWITCH	4
10	PAFZZ		10402	68-3963728RCS	. LENS,LIGHT	2
11	PAFZZ		10402	15-061416-240	. SCREW,#6-32NC,PH SS,1.5 IN LG	8
					END OF FIGURE	

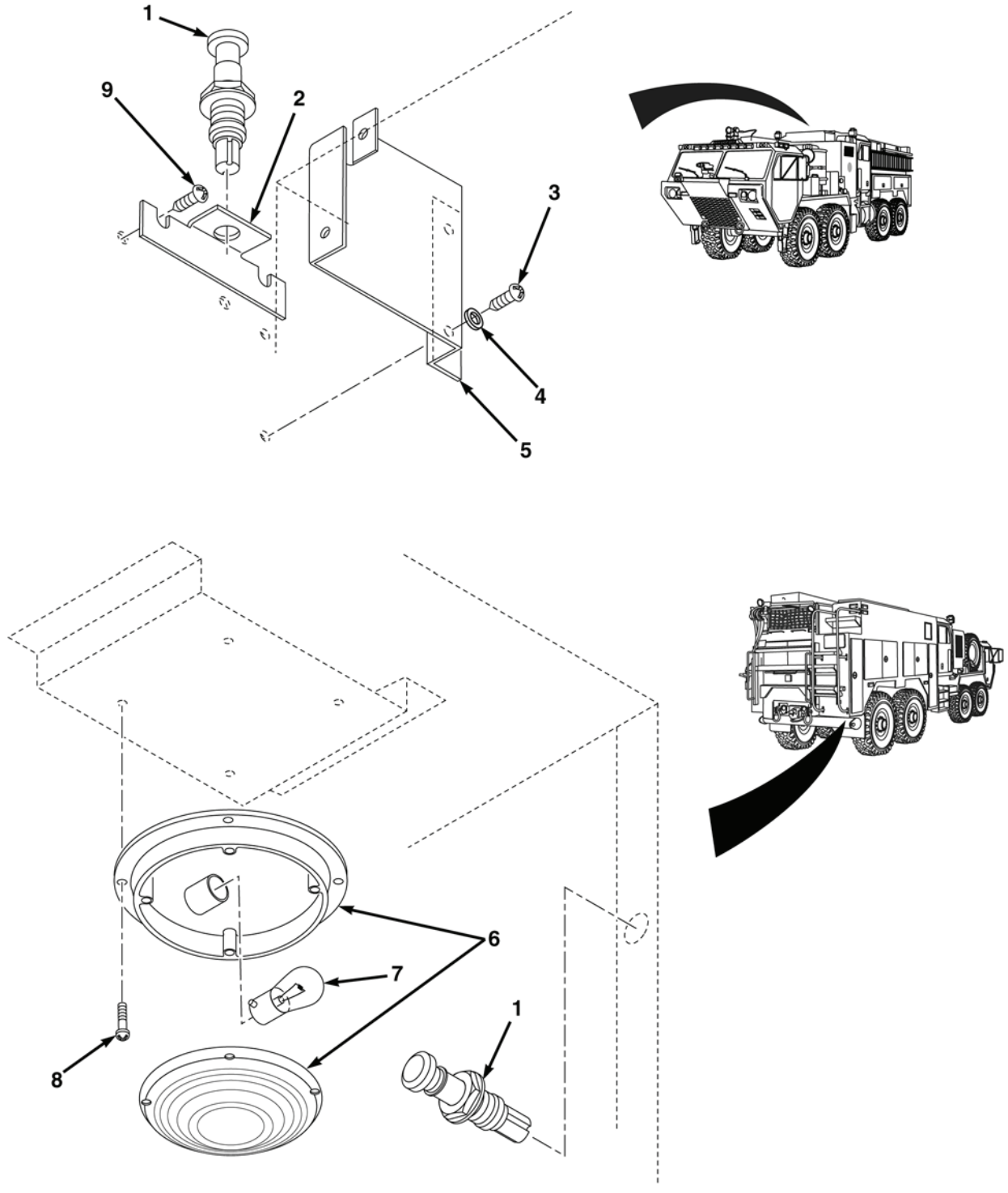


FIG. 70 COMPARTMENT DOME LIGHT AND SWITCH

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7623 DOME AND ENGINE LIGHT ASSEMBLY	
					FIG. 70 COMPARTMENT DOME LIGHT AND SWITCH	
1	PAFFZ	5930-01-517-6231	77326	52-620	SWITCH,PUSH	9
2	PFFZZ		04664	16-0055	BRACKET,SWITCH,LIGH	1
3	PAFZZ	5305-00-057-9602	96906	MS21207-8-10	SCREW,TAPPING	6
4	PAFZZ	5310-01-517-4200	04664	82-1017-001	WASHER,FLAT 3/16	4
5	PFFZZ		04664	1392260	GUARD,SWITCH	1
6	PAFZZ	6220-01-517-9334	04664	61-1093	LIGHT,DOME	10
7	PAFZZ	6240-00-044-6914	08108	1683	LAMP,INCANDESCENT.	10
8	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4.	4
9	PAFZZ	5305-00-054-5652	96906	MS51957-18	SCREW,MACHINE 1/8-40 X 5/8	2
					END OF FIGURE	

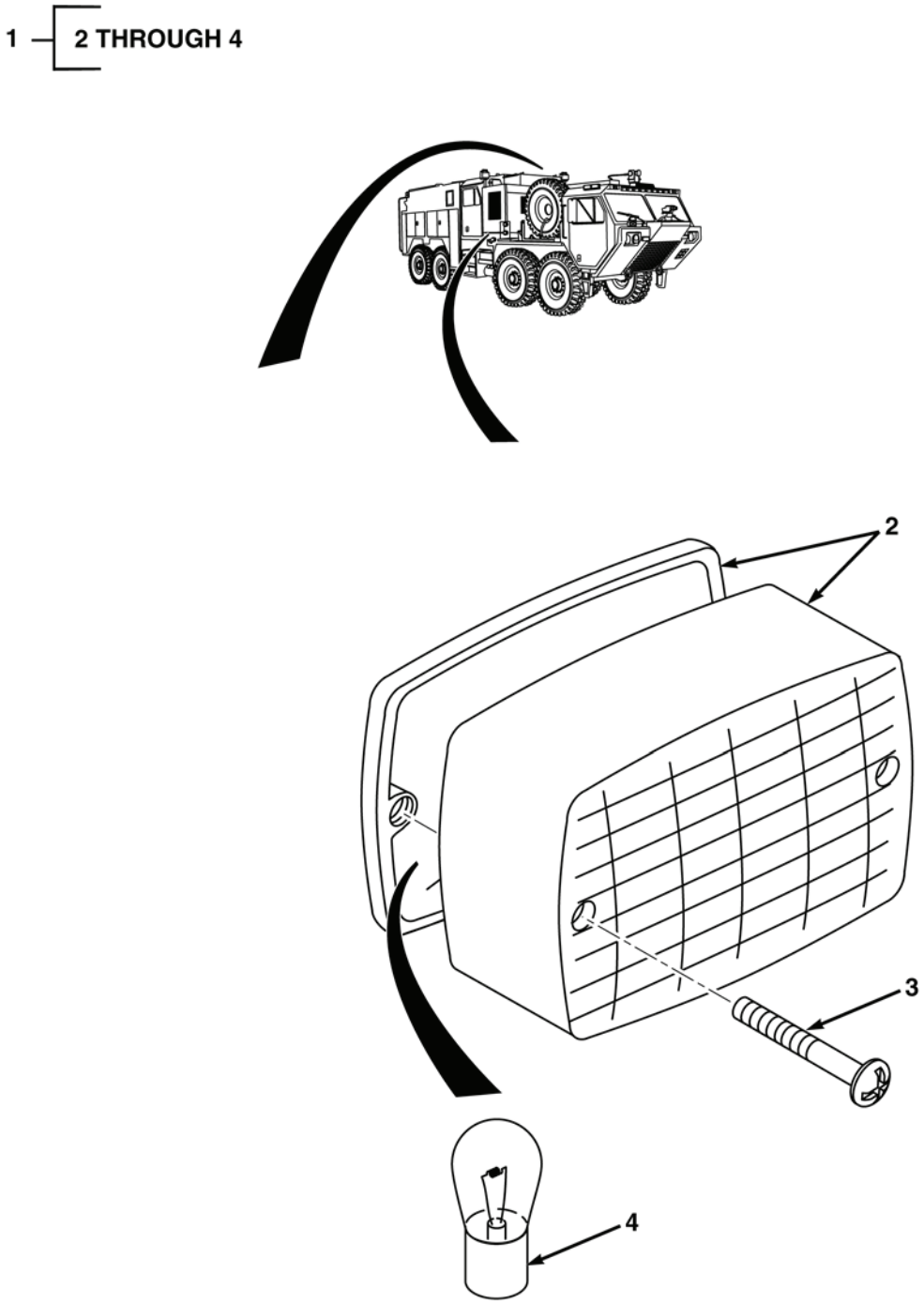


FIG. 71 PUMP HOUSE/CONTROL PANEL LIGHT

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7623 DOME AND ENGINE LIGHT ASSEMBLY	
					FIG. 71 PUMP HOUSE/CONTROL PANEL LIGHT	
1	XC		04664	1345656	LIGHT ASSEMBLY WORK W/C	8
2	PAFZZ	6220-01-267-0284	12662	M393C	. LIGHT,DOME	8
3	PAFZZ	5305-00-059-3661	80205	MS51958-65	. SCREW,MACHINE 10-24 X 3/4.	4
4	PAFZZ	6240-00-044-6914	08108	1683	. LAMP,INCANDESCENT.	2
					END OF FIGURE	

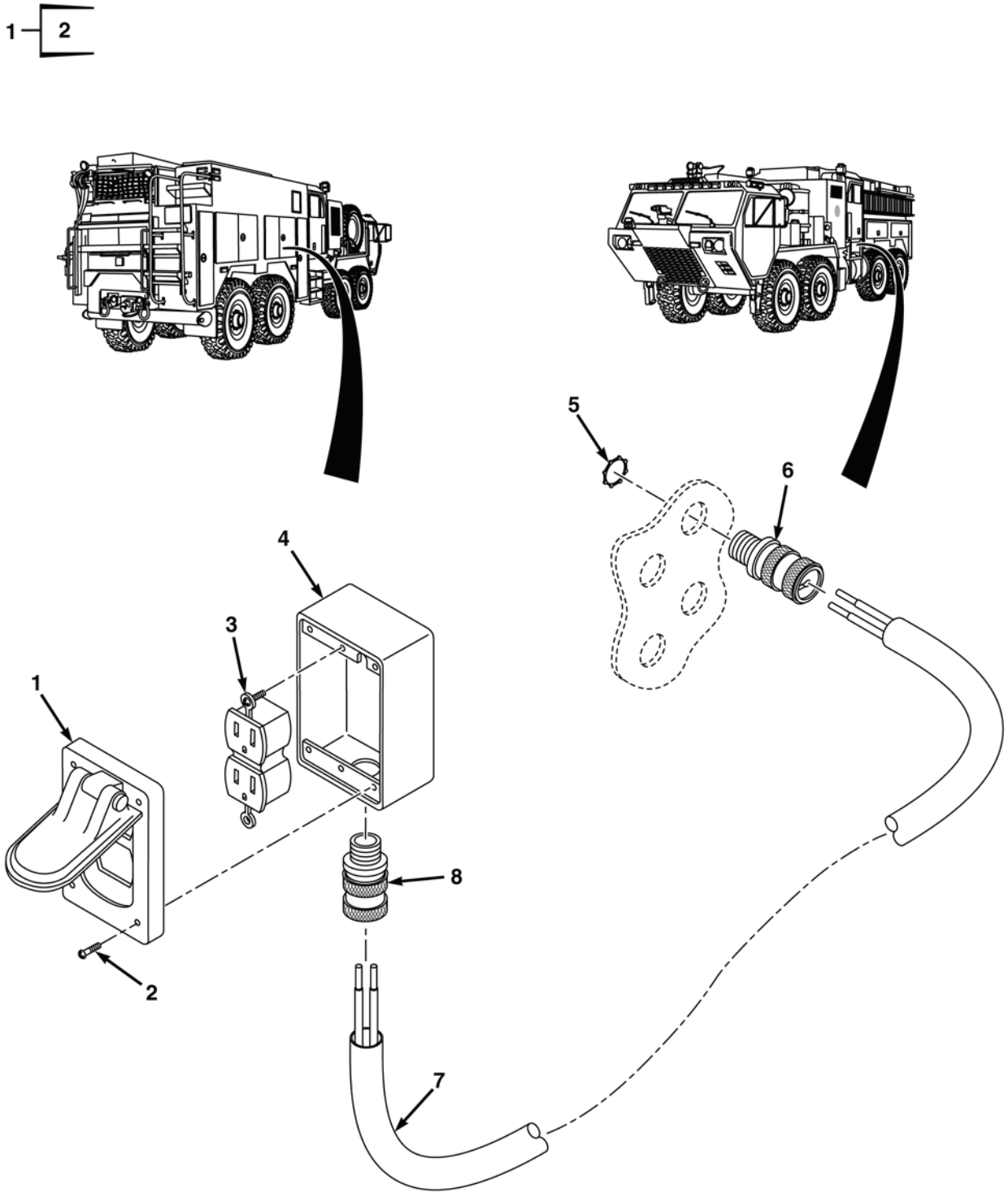


FIG. 72 RECEPTACLE ASSEMBLY (1325204)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 72 RECEPTACLE ASSEMBLY (1325204)	
1	PAFZZ	5975-01-052-1433	74545	HBL5221	PLATE,WALL,ELECTRIC.	1
2	PAFZZ	5305-00-889-3000	80205	MS35206-230	. SCREW,MACHINE 6-32 X 1/2.	4
3	PAFZZ	5935-01-517-9007	04664	63-0093	CONNECTOR,RECEPTACL 125V 15A . .	1
4	PAFZZ		75282	FS-2	BOX,ELECTRICAL	1
5	PAFZZ	5975-01-322-6434	56501	141SL	LOCKNUT,ELECTRICAL	1
6	PAFZZ	5975-01-262-8475	74545	SHC1036	BOX CONNECTOR,ELECT.	1
7	MFFZZ		04664	640047-50	CABLE ASSEMBLY,SPEC MAKE FROM P/N 640047,CAGE 04664,APPROX 600 IN.	15
8	PAFZZ	5975-01-283-8699	05574	SHC-1024	BOX,CONNECTOR	1
					END OF FIGURE	

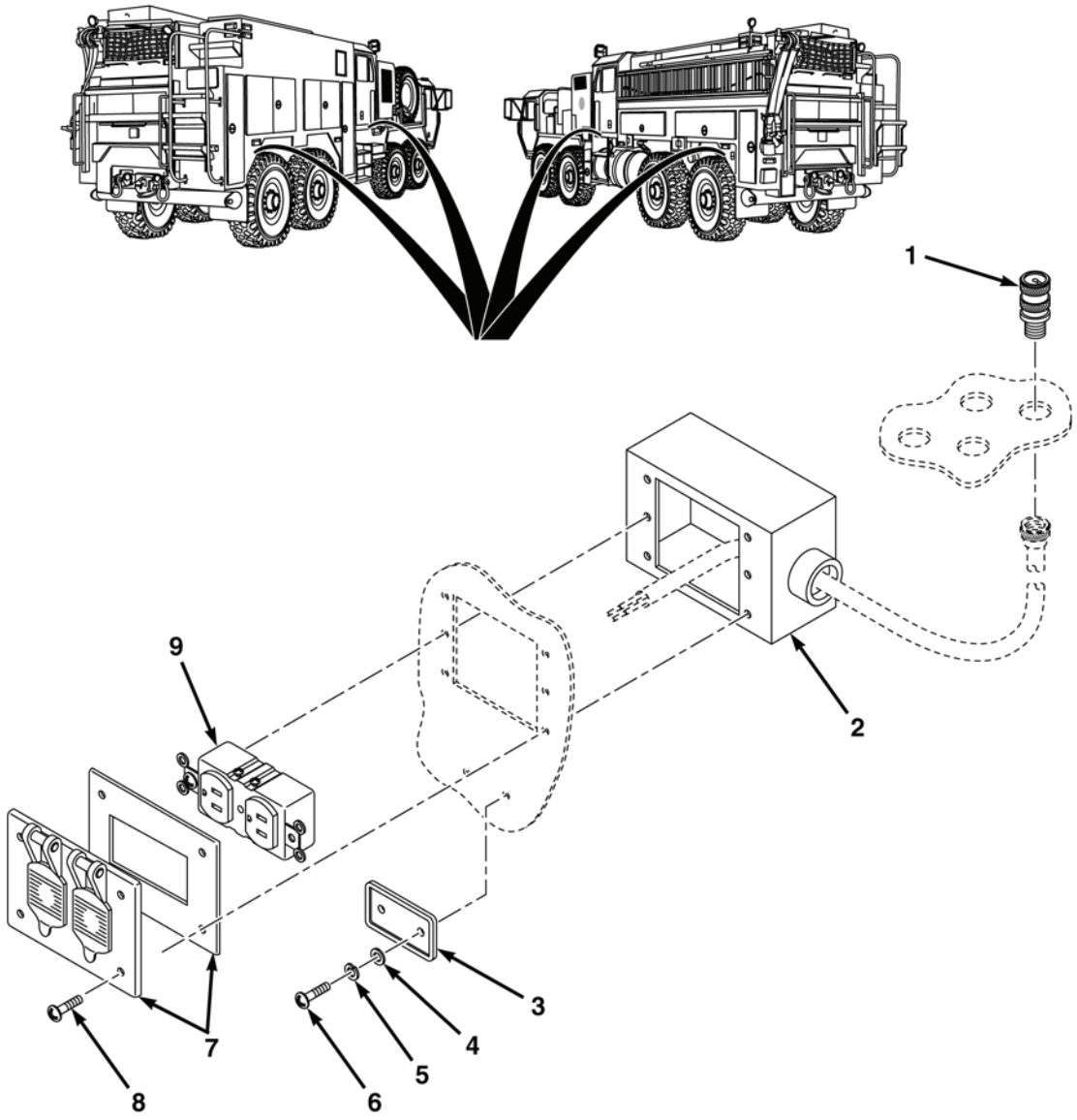


FIG. 73 RECEPTACLE ASSEMBLY (1186208)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 73 RECEPTACLE ASSEMBLY (1186208)	
1	PAFZZ	5975-01-262-8475	74545	SHC1036	BOX CONNECTOR,ELECT	4
2	PAFZZ		75282	FS-2	BOX,ELECTRICAL	4
3	PAFZZ	5340-01-517-3274	04664	52-0162	PLATE,MOUNTING W/HOLES	4
4	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	8
5	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	8
6	PAFZZ	5305-00-050-9229	96906	MS51957-63	SCREW,MACHINE 1/4-20 X 1/2	8
7	PAFZZ		04664	63-0343	COVER,ELECTRICAL BO	4
8	PAFZZ	5305-00-984-4992	80205	MS35206-232	SCREW,MACHINE 6-32 X .75	16
9	PAFZZ	5935-01-517-9007	04664	63-0093	CONNECTOR,RECEPTACL 125V 15A . .	4
					END OF FIGURE	

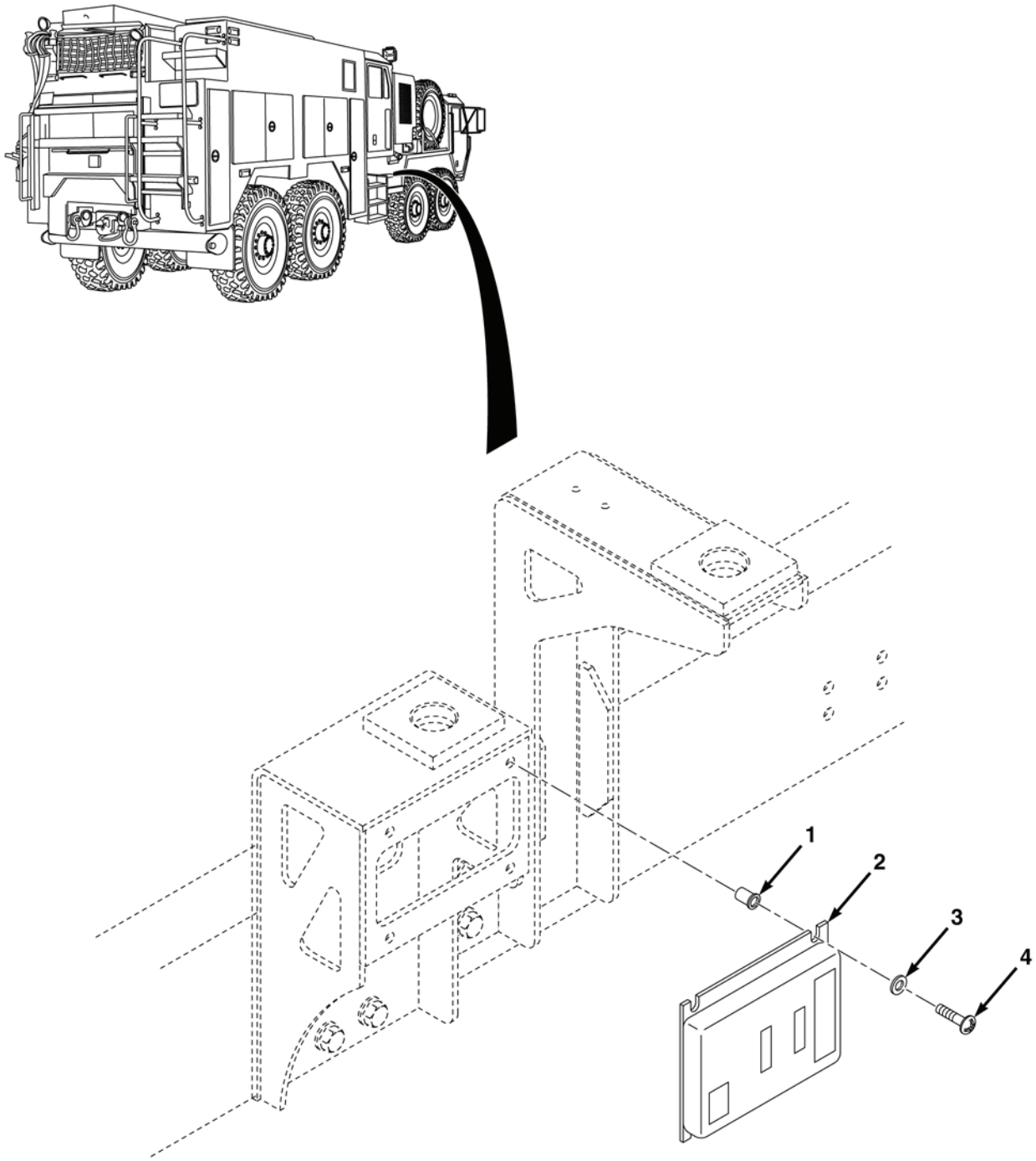


FIG. 74 BATTERY EQUALIZER

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 74 BATTERY EQUALIZER	
1	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	4
2	PAFZZ	6130-01-239-8106	2V497	90-20A	POWER SUPPLY.	1
3	PAFZZ	5310-00-562-2826	39428	90295A140	WASHER,FLAT	4
4	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON 1/4-20 X 3/4. . .	4
					END OF FIGURE	

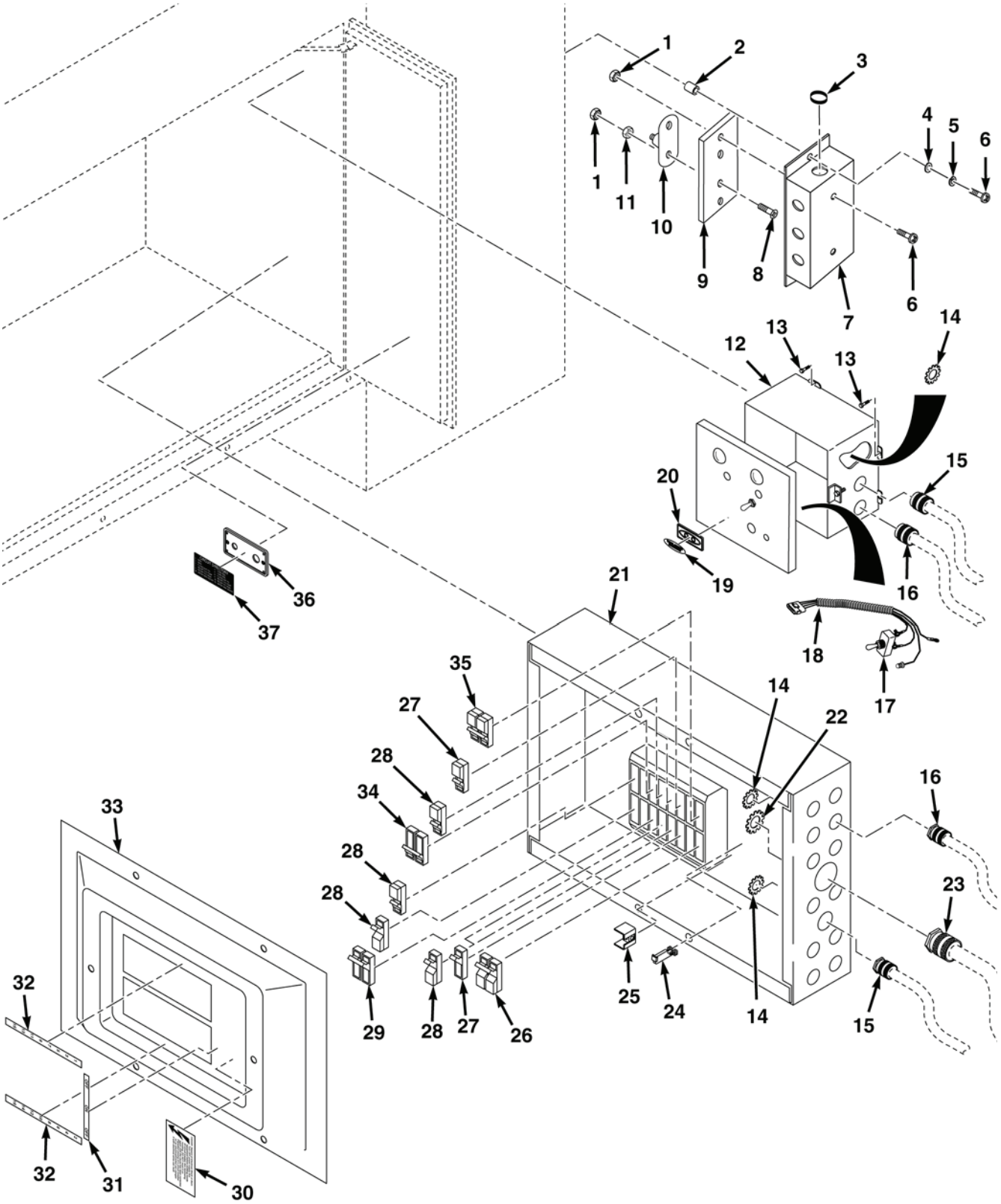


FIG. 75 REAR COMPARTMENT BREAKER BOX

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 75 REAR COMPARTMENT BREAKER BOX	
1	PAFZZ		3A054	90675A011	NUT,KEPS,LOCK 10-24 UNC	3
2	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	2
3	PAFZZ		04664	81-1021-0017	GROMMET,NONMETALIC 5/8 IN	1
4	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10	2
5	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK 10	2
6	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1.00	2
7	PFFZZ		04664	1392398	BRACKET,SWITCH	1
8	PAFZZ	5305-00-050-9231	96906	MS51957-65	SCREW,MACHINE 10-24 X .75	2
9	PAFZZ	5340-01-517-5868	04664	1280513	PLATE,MOUNTING	1
10	PAFZZ		3NZK0	44-3795	SWITCH,KLIXON TEMP CONTROL	1
11	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24	2
12	PAFZZ		04664	63-0751-0001	BOX,JUNCTION	1
13	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X 3/4	8
14	PAFZZ	5310-01-113-9097	05574	00322001LPK50	NUT,PLAIN,ROUND	13
15	PAFZZ	5975-01-127-7595	74545	SHC-1027	BOX CONNECTOR,ELECT	10
16	PAFZZ	5975-01-283-8699	05574	SHC-1024	BOX,CONNECTOR	3
17	PAFZZ		04664	64-6636	SWITCH,TOGGLE,SEALE	1
18	PAFZZ		3NZK0	CA 1 60 807-001	HARNESS,SWITCH INC SWITCH AND DIAG LED	1
19	PAFZZ	9905-01-519-3387	04664	1253082-0003	PLATE,IDENTIFICATIO DIAGNOSTIC	1
20	PAFZZ	2590-01-517-3439	04664	1091733-0014	BEZEL,AUTOMOTIVE BLACK	1
21	PAFZZ		55841	CH16L125B	BOX,BREAKER,MAIN	1
22	PAFZZ	5310-01-245-0500	74545	003-22-004	LOCKNUT	1
23	PAFZZ	5975-01-295-8211	74545	SHC-1052-ZP	BOX CONNECTOR,ELECT	1
24	PAFZZ	5925-01-517-8141	04664	64-0958	LOCKING DEVICE,CIRC	1
25	PAFZZ	5945-01-518-6622	56365	8501CD06V51	RELAY,ELECTROMAGNET	2
26	PAFZZ	5925-01-517-5038	55841	CH220GF	CIRCUIT BREAKER 240V20A	1
27	PAFZZ	5925-00-413-1210	81348	WC375/05-001	CIRCUIT BREAKER	2
28	PAFZZ	5925-01-517-5137	55841	CH115GF	CIRCUIT BREAKER	5
29	PAFZZ	5925-01-517-8612	55841	CH225	CIRCUIT BREAKER	1
30	XAFZZ		15605	30-17431	LABEL,BREAKER BOX,W	1
31	PAFZZ		04664	91-0351	LABEL,BREAKER BOX,O	1
32	PAFZZ		04664	91-0350-0017	LABEL,BREAKER BOX,2	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
33	PAFZZ	5925-01-518-0283	15605	CH8BS	COVER,CIRCUIT BREAK	1
34	PAFZZ	5925-01-517-5035	55841	CH240EPD	CIRCUIT BREAKER 240V 40	1
35	PAFZZ	5925-00-412-4155	55841	CH270	CIRCUIT BREAKER.	1
36	PAFZZ	2590-01-517-3446	04664	52-0675	BEZEL,AUTOMOTIVE TR	1
37	PAFZZ		04664	1251411	LABEL,IDENTIFICATI CIRCUIT DIRECTORY,AC,NO. 1.	1

END OF FIGURE

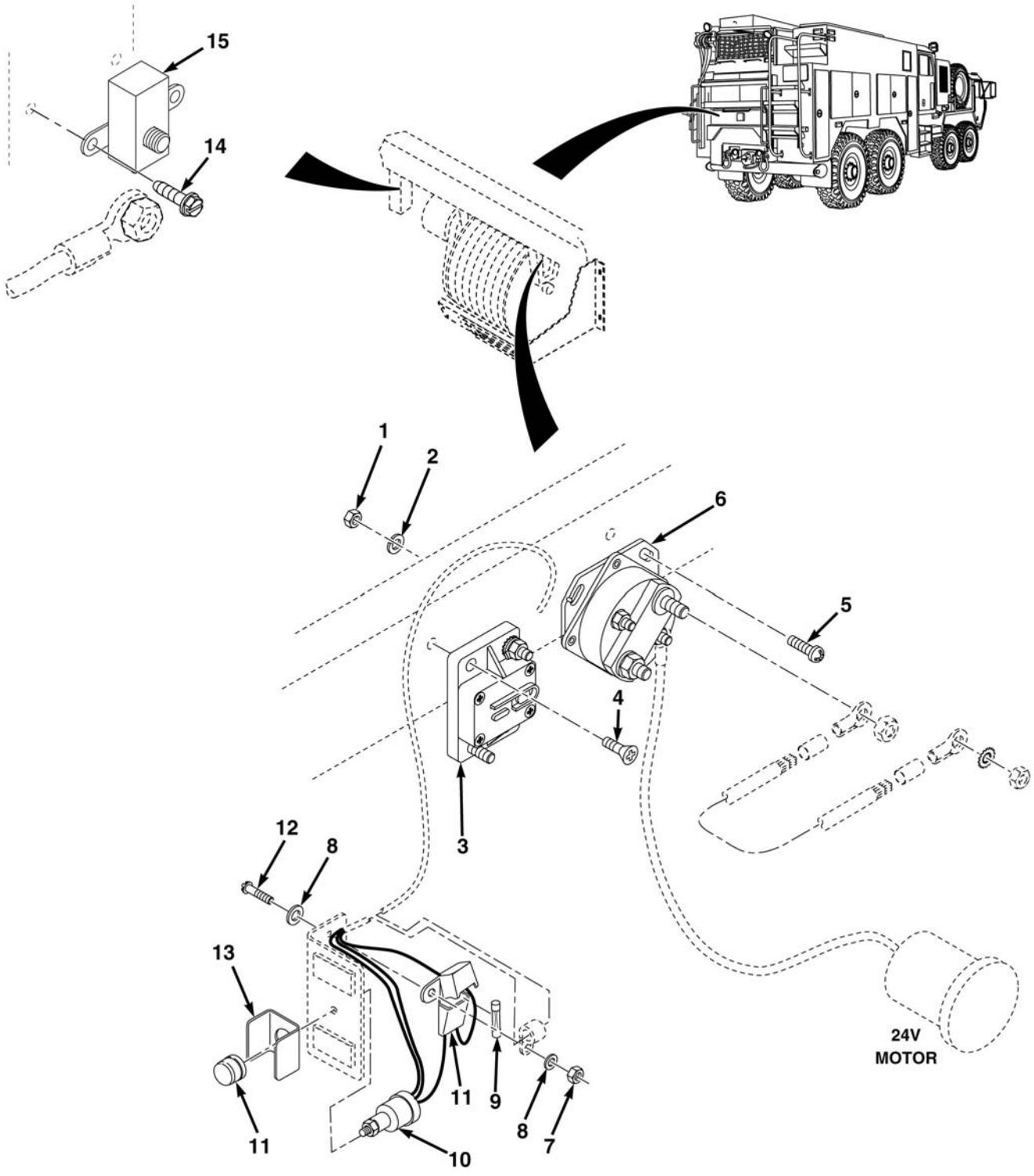


FIG. 76 CORD REEL CONTROL ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 76 CORD REEL CONTROL ASSEMBLY	
1	PAFZZ	5310-01-142-7049	45152	1817HX	NUT,PLAIN,HEXAGON 10-24	2
2	PAFZZ	5310-00-407-9566	80205	MS35338-45	WASHER,LOCK 5/16.	2
3	PAFZZ	5925-01-525-4319	5S327	185040F-11	CIRCUIT BREAKER	1
4	PAFZZ	5305-01-292-9997	80205	MS35190-293	SCREW,MACHINE 5/16-18 X 7/16	2
5	PAFZZ	5305-00-186-6084	80205	MS35206-350	SCREW,MACHINE 5/16-18 X 1 1/4.	2
6	PAFZZ	5945-01-517-4986	92858	17.0028	SOLENOID,ELECTRICAL	1
7	PAFZZ	5310-00-245-3615	80205	MS35649-2314	NUT,PLAIN,HEXAGON 5/16-18.	1
8	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	2
9	PAFZZ	5920-01-459-3847	81495	1223-299	FUSE,CARTRIDGE	1
10	PAFZZ	5920-00-752-0458	13445	3031-0	FUSEHOLDER,EXTRACTO	1
11	PAFZZ	5930-00-111-8619	13445	90030	SWITCH,PUSH	1
12	PAFZZ	5305-00-054-9226	96906	MS51957-57	SCREW,MACHINE 8-32 X 3	1
13	PAFZZ	5930-01-517-8925	04664	1374685	GUARD,SWITCH.	1
14	PAFZZ	5305-00-052-6911	80205	MS24629-15	SCREW,TAPPING, 10-24 X 3/4	2
15	PAFZZ		04664	64-2632-0002	BREAKER SWITCH.	1
					END OF FIGURE	

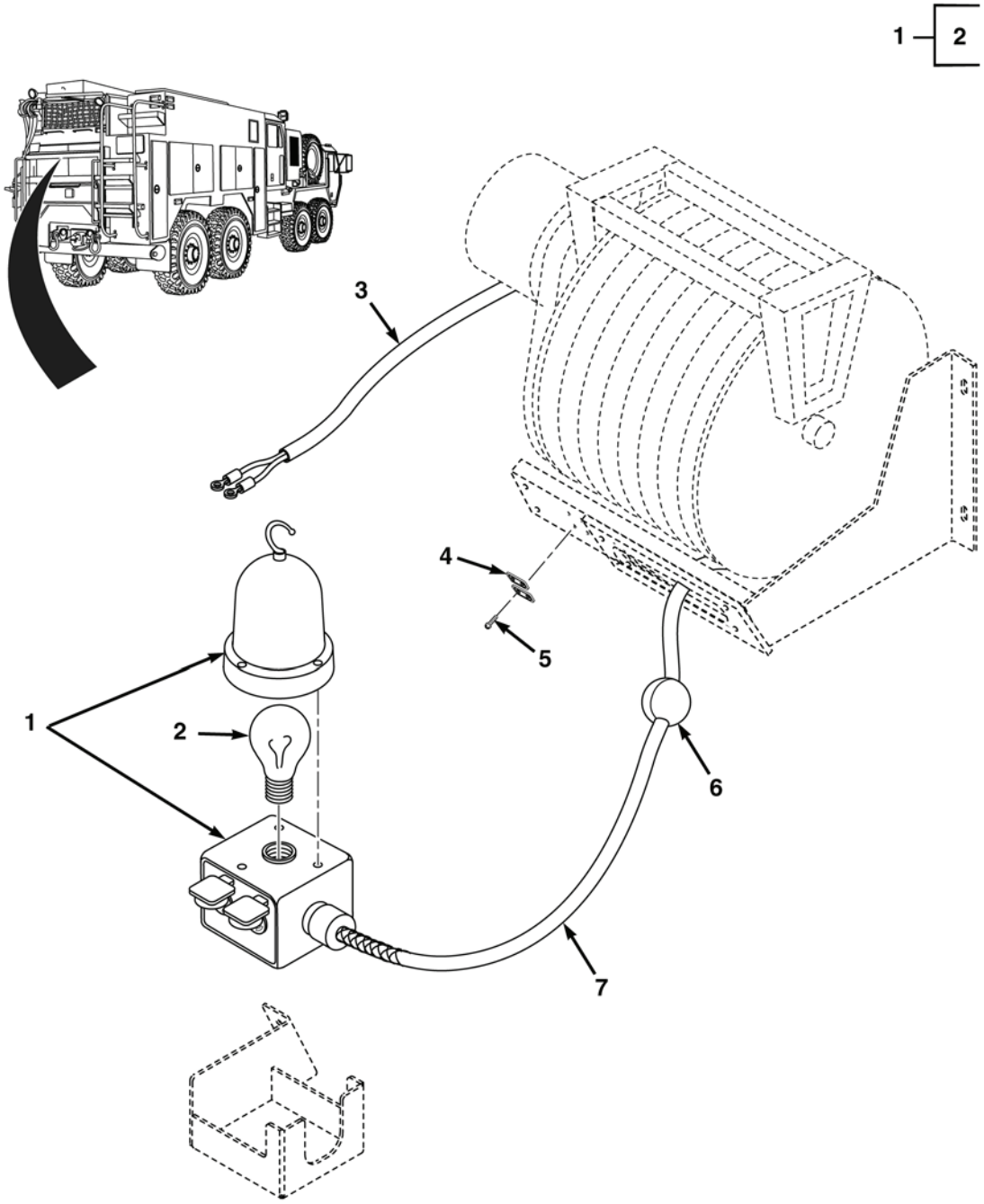


FIG. 77 CORD REEL ASSEMBLY INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 77 CORD REEL ASSEMBLY INSTALLATION	
1	PAFZZ		04664	63-4449-0029	BOX,RECEPTACLE	1
2	PAFZZ	6240-01-327-4564	06247	50A/RS	. LAMP,INCANDESCENT.	1
3	PAFZZ	6150-01-518-0245	04664	640807-104	CABLE ASSEMBLY,SPEC	15
4	PAFZZ	5340-01-517-3274	04664	52-0162	PLATE,MOUNTING W/HOLES	2
5	PAFZZ	5305-00-050-9229	96906	MS51957-63	SCREW,MACHINE 1/4-20 X 1/2	4
6	PAFZZ	5340-01-361-2014	92858	HS-3	STOP,MECHANICAL	1
7	MFFZZ		04664	640201-15	CABLE ASSEMBLY,SPEC MAKE FROM P/N 640201,CAGE 04664,APPROX 180 IN. LG.	1
					END OF FIGURE	

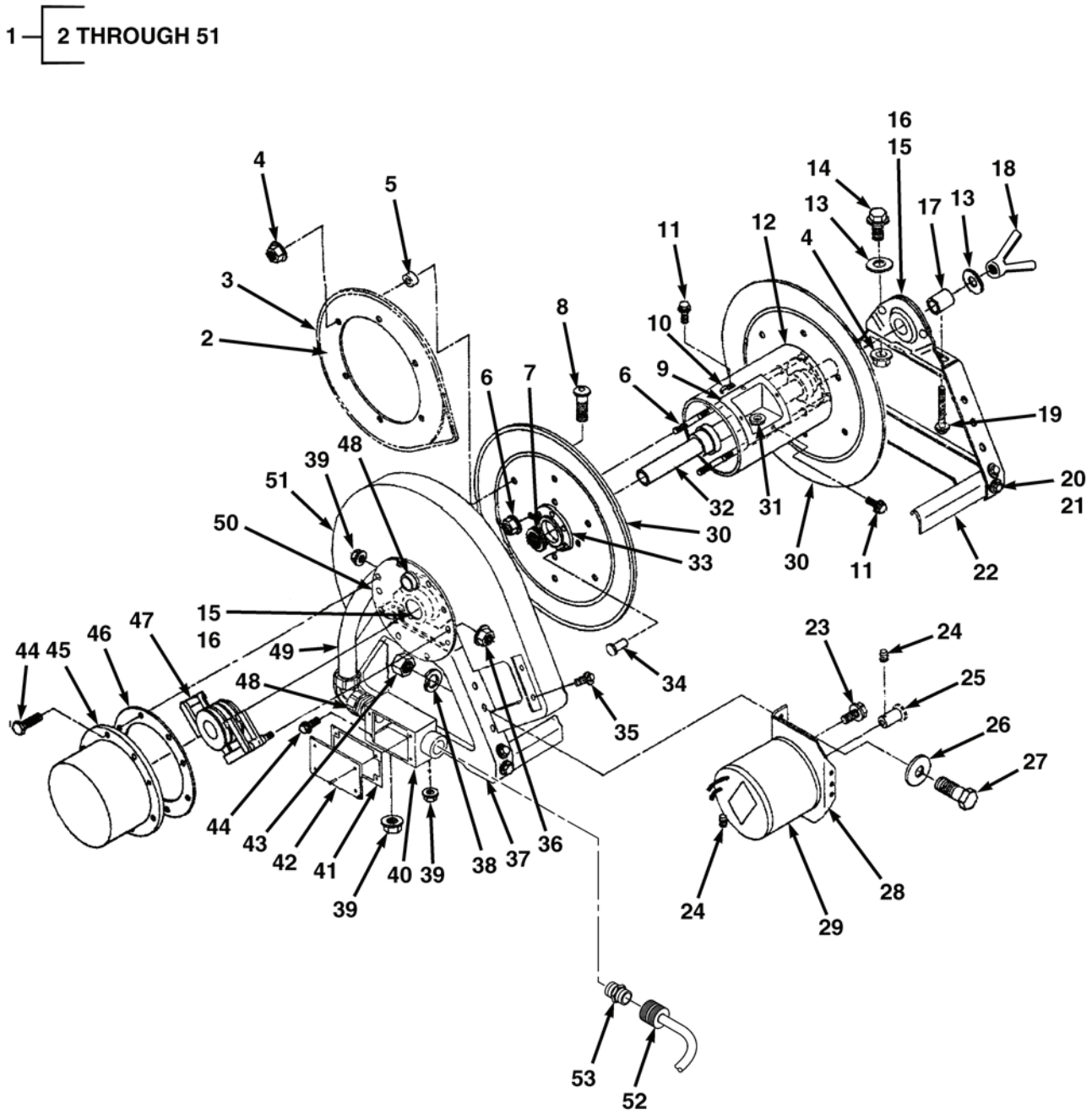


FIG. 78 CORD REEL ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 78 CORD REEL ASSEMBLY	
1	PFFFZ	3950-01-517-4259	92858	ECR1618-17-18RT	WINCH,DRUM,POWER OP	1
2	PAFZZ	3020-01-289-7464	92858	9910.1321	. SPROCKET WHEEL	1
3	PFFZZ	3040-01-517-5767	92858	9912.0028	. BRACKET,EYE,NONROTA	1
4	PAFZZ	5310-01-329-9101	92858	9904.6200	. NUT,PLAIN,EXTENDED 3/8-16	4
5	PAFZZ	5365-01-517-2853	92858	9954.0015	. SPACER,SLEEVE	6
6	PAFZZ	5306-01-485-9832	92858	9904.0220	. BOLT CARRIAGE	4
7	PAFZZ	5365-01-437-9579	92858	9954.0021	. SPACER,RING 1 IN. LG.	3
8	PAFZZ	5305-01-517-3719	92858	9904.9202	. SCREW,MACHINE 1/3-16 X 1	4
9	PAFZZ		92858	9955.0019	. COVER	1
10	PAFZZ	5935-01-517-9034	92858	9955.0015	. CLAMP,CABLE,ELECTRI 1/2	1
11	PAFZZ	5305-01-517-3710	92858	9958.0001	. SCREW,MACHINE 10-24 NC X 1/2	5
12	PAFZZ		92858	9905.7112	. DRUM	1
13	PAFZZ	5310-01-485-9841	92858	9954.0007	. WASHER,FLAT 3/8	6
14	PAFZZ	5306-01-288-8936	92858	9904.2201	. BOLT,MACHINE 3/6-16 X 3/4	3
15	PAFZZ	3120-01-517-4246	92858	9902.4000	. BEARING,SLEEVE	2
16	PAFZZ	3120-01-517-4232	92858	9902.4001	. BEARING,SLEEVE	2
17	PAFZZ	5365-01-517-3433	92858	9965.0007	. SPACER,SLEEVE	1
18	PAFZZ	5310-01-517-3308	92858	9965.0009	. NUT,SELF-LOCKING,WI 3/8-16	1
19	PAFZZ	5305-01-517-3696	92858	9965.0011	. SCREW,MACHINE 3/8-16 X 3	1
20	PAFZZ	5306-01-380-8850	81343	MS9734-06	. BOLT,MACHINE 5/16-18 X 5/8	10
21	PAFZZ	5310-01-517-3705	92858	9904.5602	. NUT,SELF-LOCKING,HE 5/16-18	8
22	PAFZZ		92858	9907.6000	. FOOTSTOCK	2
23	PAFZZ	5306-01-314-2390	10988	121-107	. BOLT,MACHINE 5/16-18 NC X 5/8	2
24	PAFZZ	5305-01-380-9205	07270	70-26915 ITEM 22	. SETSCREW 1/4-20 NC	2
25	PAFZZ	3020-01-517-5766	92858	9910.1119	. SPROCKET SHAFT 1 3/4	1
26	PAFZZ	5310-00-910-6692	80020	322045-1	. WASHER,FLAT 1/2	2
27	PAFZZ	5305-01-464-2362	92858	9904.1402	. SCREW,CAP,HEXAGON H 1/2-13 X 1	2
28	PAFZZ		92858	9923.0006	. PLATE,MOUNTING MOTOR	1
29	PBFZZ	6105-01-517-7797	92858	9915.0040	. MOTOR,DIRECT CURREN	1
30	PAFZZ		92858	9903.0517	. DISC	2
31	PAFZZ	5325-01-517-8193	92858	9955.0032	. GROMMET,NONMETALLIC	1
32	PFFZZ	3040-01-518-1946	92858	9955.0076	. BRACKET,EYE,NONROTA	1
33	PAFZZ	5310-01-236-7515	92858	9965.0015	. WASHER,SHOULDERED	2
34	PAFZZ		92858	9965.0019	. RIVET	6

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
35	PAFZZ	5305-01-517-8197	92858	9904.3070	. SCREW,TAPPING 1/4-20 X 1/2	2
36	PAFZZ	5310-01-517-3715	52858	9904.6100	. NUT,SELF-LOCKING,WI 5/16-18	2
37	PAFZZ		92858	9906.0011	. FRAME	2
38	PAFZZ	5310-01-464-2331	92858	9954.0030	. WASHER,LOCK 1/2	2
39	PAFZZ	5310-01-517-3717	92858	9904.6000	. NUT,SELF-LOCKING,WI 1/4-20	10
40	PAFZZ		92858	9955.0045	. BOX,JUNCTION	1
41	PAFZZ	5330-01-517-2892	92858	9955.0043	. GASKET	1
42	PAFZZ		92858	9955.0044	. COVER,JUNCTION BOX W/SCREWS	1
43	PAFZZ	5310-00-088-8513	96906	MS27952-7	. NUT,PLAIN,HEXAGON 1/2-13	2
44	PAFZZ	5306-01-556-4631	338X5	180020	. BOLT,MACHINE 1/4-20 X 3/4	10
45	PAFZZ		92858	9943.0002	. COVER,COLLECTOR	1
46	PAFZZ	5330-01-517-2887	92858	9943.0004	. GASKET	1
47	PAFZZ	5365-01-517-2851	92858	9942.0414	. PLUG,MACHINE THREAD	1
48	PAFZZ	5935-01-516-9220	45152	1HA818	. CONNECTOR,RECEPTACL 3/4	2
49	PAFZZ	5975-01-516-9221	45152	7HB968	. CONDUIT,NONMETALLIC	1
50	PAFZZ		92858	9943.0005	. PLATE,COLLECTOR BAC	1
51	PAFZZ		92858	9957.0030	. GUARD,CHAIN	1
52	PAFZZ	5975-01-207-0229	81992	SHC-1037	BOX CONNECTOR,ELECT	1
53	PAFZZ	4730-01-146-6990	05573	10260	ADAPTER,STRAIGHT,TUBE TO HOSE	1

END OF FIGURE

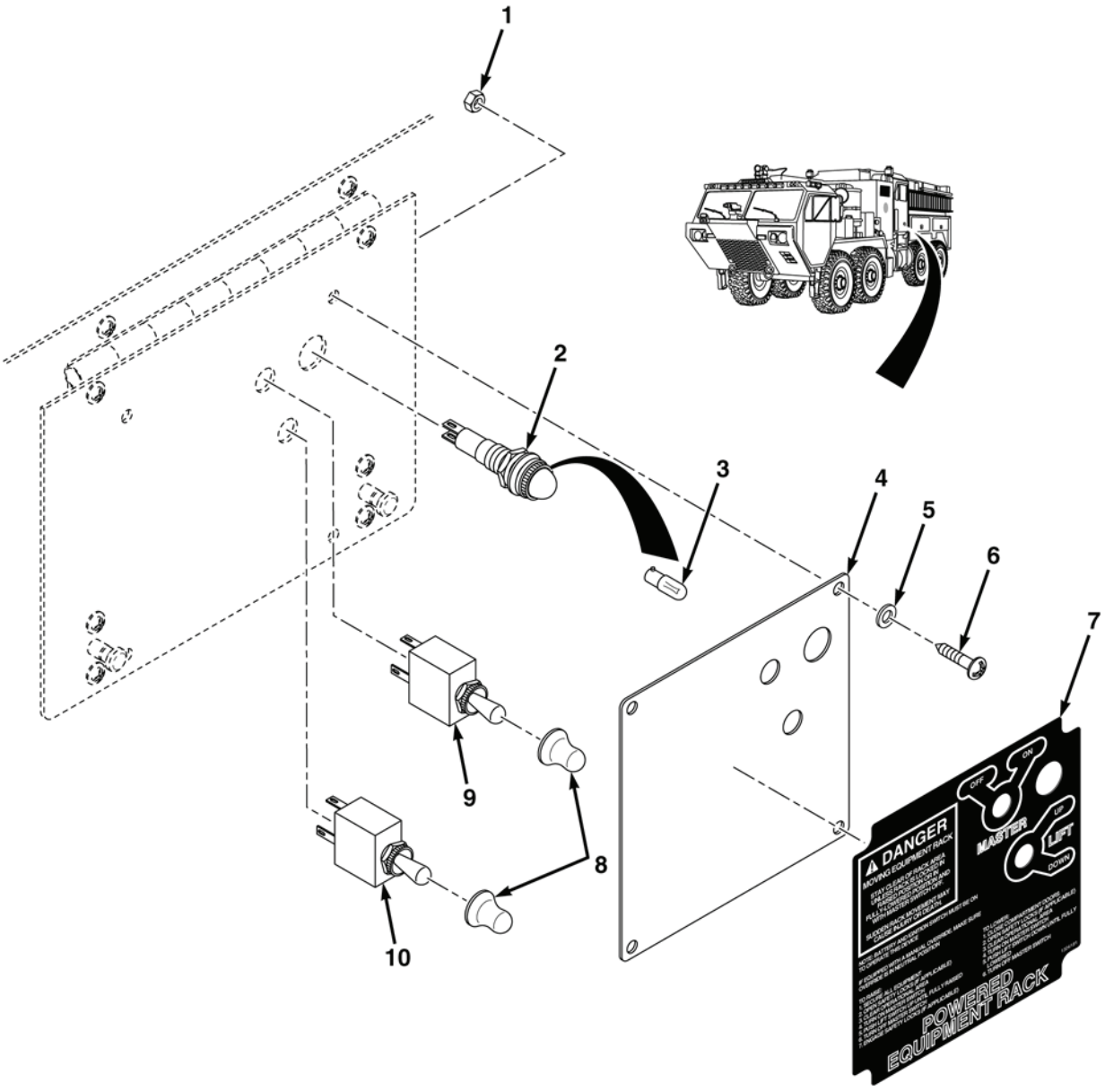


FIG. 79 CONTROL ASSEMBLY, EQUIPMENT (LADDER) RACK

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 79 CONTROL ASSEMBLY, EQUIPMENT (LADDER) RACK	
1	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	4
2	PAFZZ	6240-00-155-7859	96906	MS15571-8	LAMP,INCANDESCENT	1
3	PAFZZ	6240-00-143-3173	88204	1820	LAMP,INCANDESCENT .100 AMPS	1
4	PAFZZ	5975-00-988-3493	00843	A6P6	PANEL,BLANK	1
5	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	4
6	PAFZZ	5305-00-984-6210	80205	MS35206-263	SCREW,MACHINE 10-14 X 1/2	4
7	PAFZZ	9905-01-519-5486	04664	1324181	PLATE,INSTRUCTION POWERED EQUIPMENT RACK	1
8	PAFZZ	2530-01-061-1351	13445	81264	BOOT,VEHICULAR COMP	2
9	PAFZZ	5930-01-391-5662	80906	00133-948-00	SWITCH,TOGGLE	1
10	PAFZZ	5930-01-268-7728	12361	7-872-000568	SWITCH,TOGGLE	1
					END OF FIGURE	

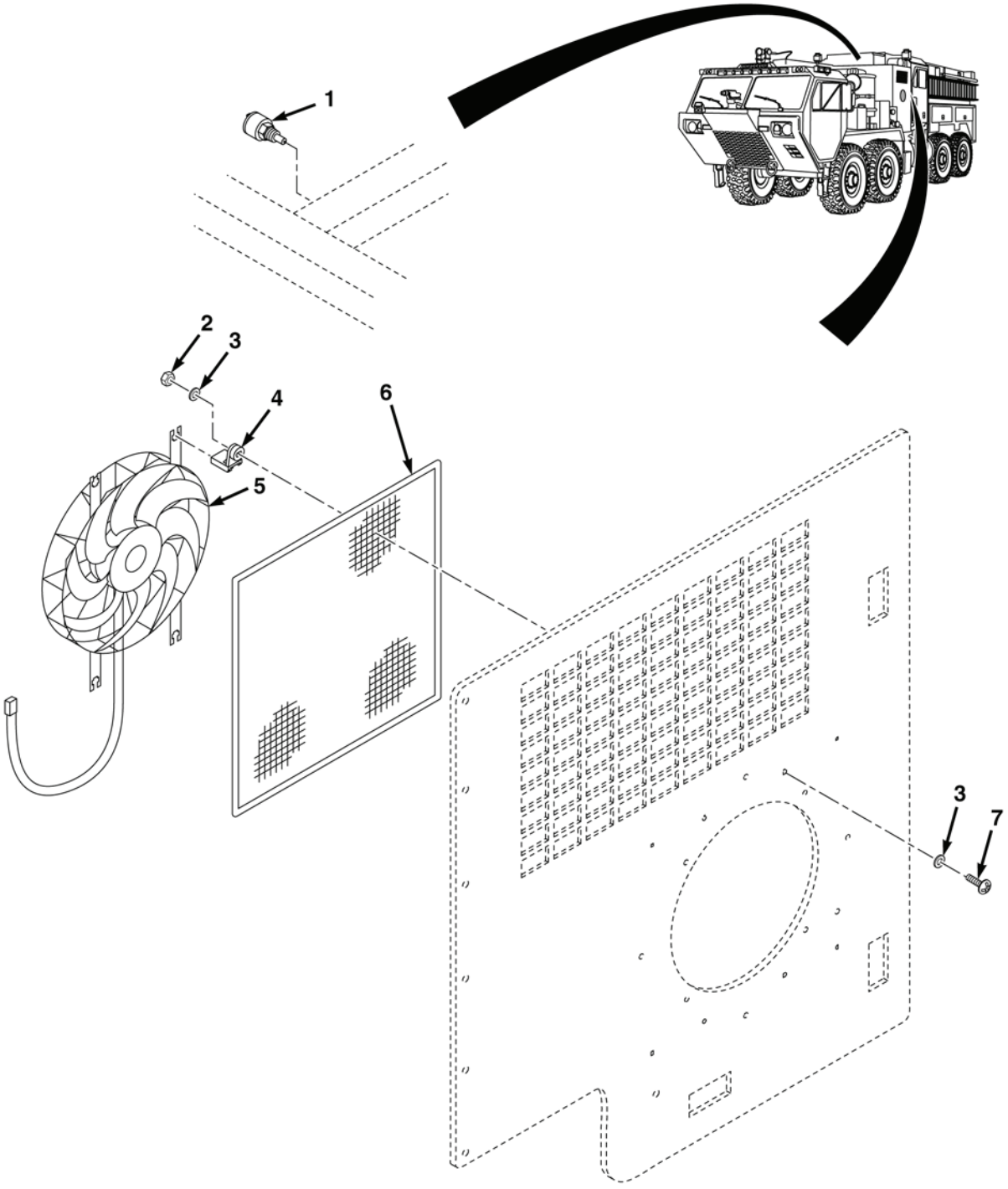


FIG. 80 PUMP HOUSE FAN ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 80 PUMP HOUSE FAN ASSEMBLY	
1	PAFZZ	2990-01-521-9923	1ET59	TC-115	SWITCH,ENGINE TEMPE.	1
2	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24.	4
3	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	8
4	PAFZZ	5340-01-521-9245	1ET59	8407.360.0001	CLIP,SPRING TENSION	4
5	PAFZZ	4140-01-517-7795	1ET59	203031401-60	FAN ASSEMBLY,CENTRI COOLING, 24 VOLT	1
6	PAFZZ		04664	1348800	SCREEN,VENT FAN	1
7	PAFZZ	5305-00-984-6210	80205	MS35206-263	SCREW,MACHINE 10-24 X 5/8.	4
					END OF FIGURE	

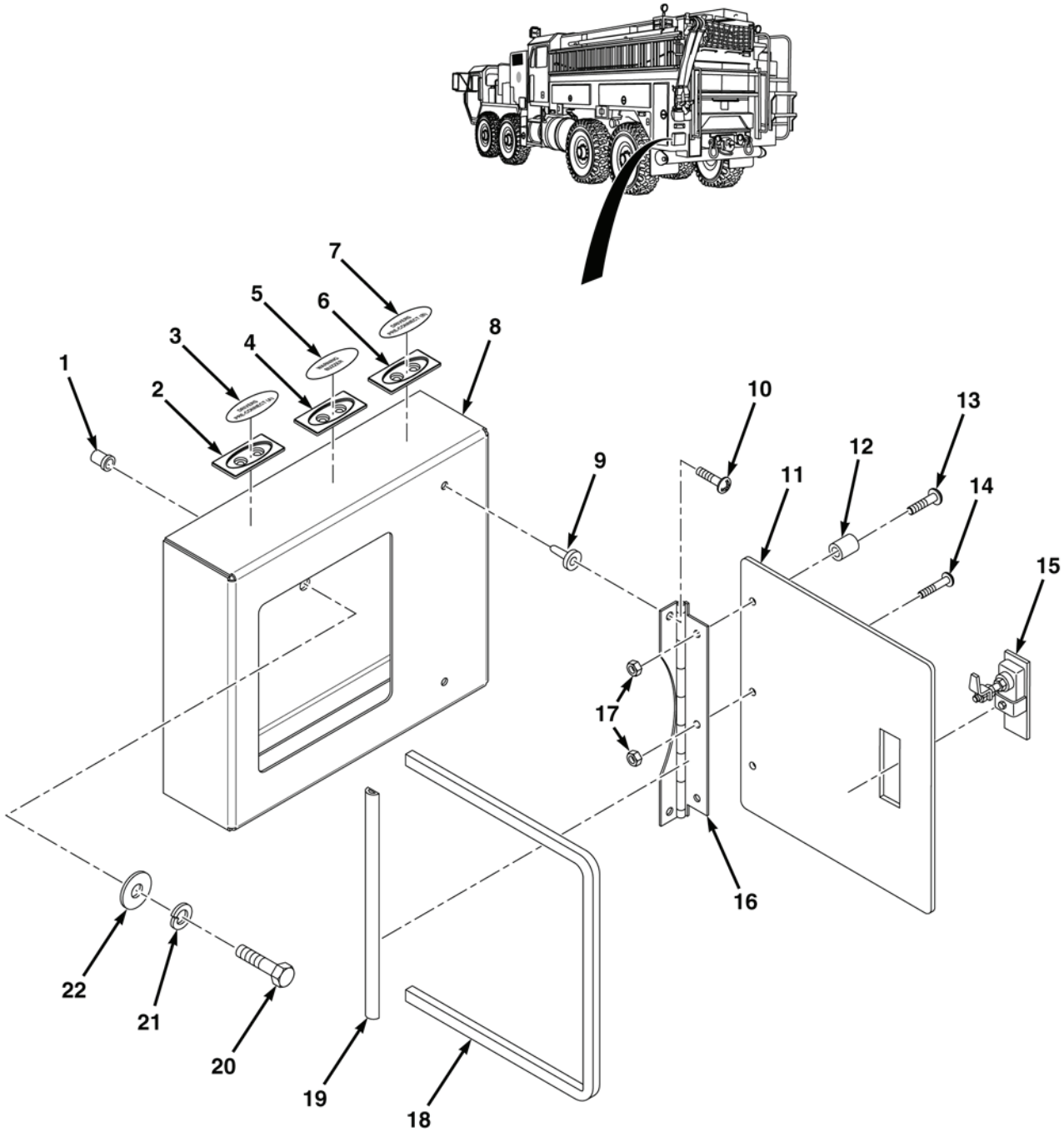


FIG. 81 BUZZER BOX ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 81 BUZZER BOX ASSEMBLY	
1	PAFZZ	5325-01-517-2270	04664	82-0257-0002	INSERT,SCREW THREAD .25-20	2
2	PAFZZ		04664	1091733-0004	BEZEL,AUTOMOTIVE MINT GREEN . . .	1
3	PAFZZ		04664	1126759-0003	TAG-O,DRIVER PRE-CONNECT A.	1
4	PAFZZ	2590-01-517-3439	04664	1091733-0014	BEZEL,AUTOMOTIVE BLACK	1
5	PAFZZ		04664	1196121-0003	TAG-O,WARNING BUZZER	1
6	PAFZZ		04664	1091733-0007	BEZEL YELLOW	1
7	PAFZZ		04664	1126779-0003	TAG-O,DRIVER PRE-CONNECT B.	1
8	PAFZZ		04664	1336529	BUZZER BOX,LH REAR BULKHEAD . . .	1
9	PAFZZ	5340-01-518-2859	02768	212-250301-00	GROMMET,SCREW ANCHOR	2
10	PAFZZ	5305-00-050-9227	96906	MS51957-61	SCREW,MACHINE 10-24 X 3/8.	2
11	PFFZZ		04664	1183549	DOOR,COMPARTMENT AIR BOTTLE . .	1
12	PAFZZ	5340-01-517-9049	98893	755R	BUMPER HEAD,3/8-16 X 1 1/8	1
13	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X .75.	1
14	PAFZZ	5305-01-517-3710	92858	9958.0001	SCREW,MACHINE 10-24 X .50.	2
15	PAFZZ	5340-01-111-2451	96214	805435-3	LEVER,LOCK-RELEASE.	1
16	PBFZZ		04664	1183550	HINGE,COMPARTMENT AIR BOTTLE . .	1
17	PAFZZ		3A054	90675A011	NUT,KEPS,LOCK 10-24 UNC	3
18	MFFZZ		04664	943127-25	SEAL,DOOR MAKE FROM P/N 4813,CAGE 56329,APPROX 25 IN. LG. .	25
19	MFFZZ		04664	943064-12	RUBBER,D-SECTION MAKE FROM P/N 1085-3017,CAGE 56329,APPROX 12 IN. LG.	1
20	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON .25-20 X .75. . .	2
21	PAFZZ	5310-00-582-5965	80205	MS35338-44	WASHER,LOCK .25.	2
22	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT .25	2
					END OF FIGURE	

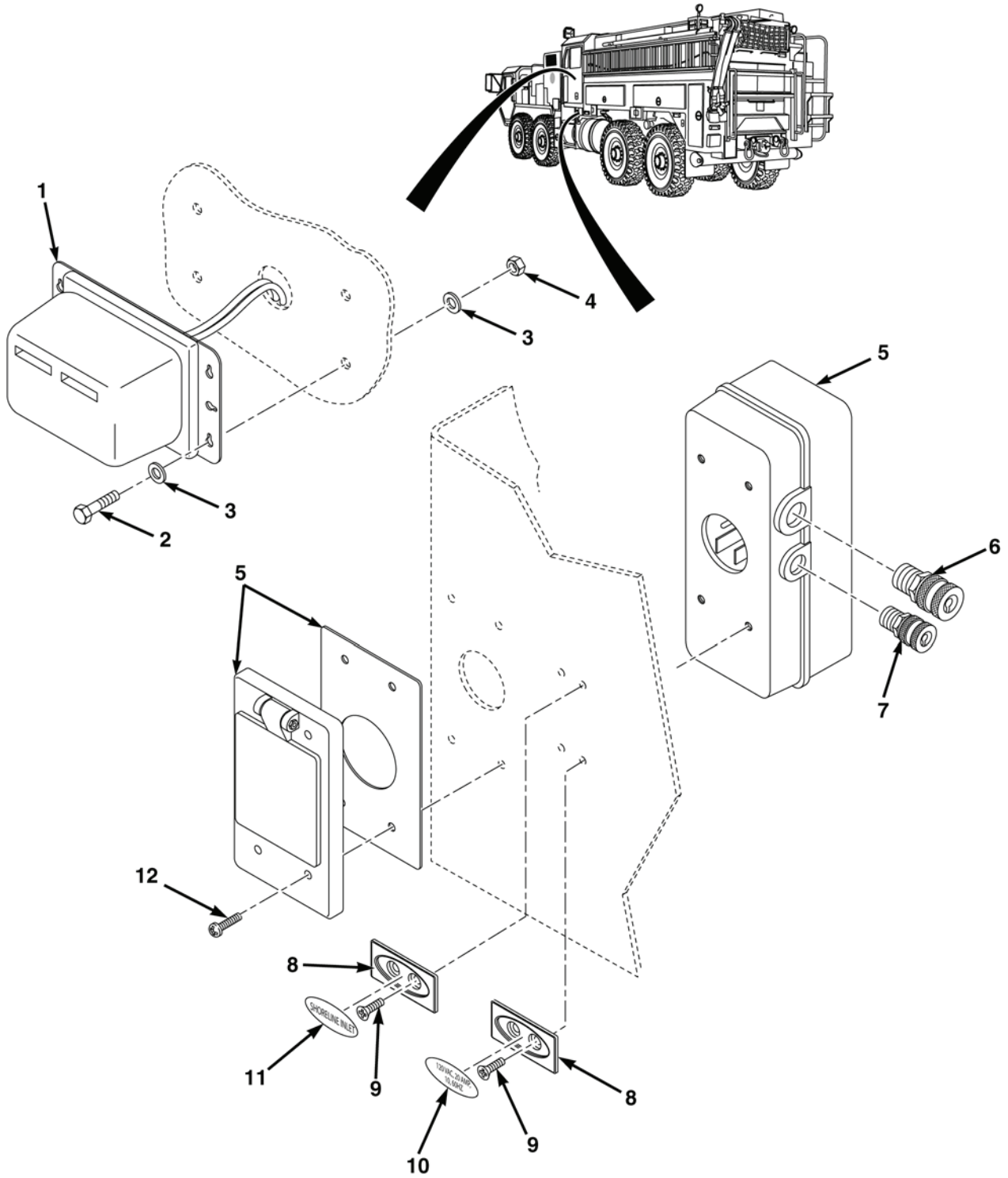


FIG. 82 SHORELINE INLET RECEPTACLE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 82 SHORELINE INLET RECEPTACLE	
1	PAFZZ	6130-01-560-6660	1YNE9	DUAL PRO 15X2	CHARGER,DUAL PRO	1
2	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON 1/4-20 X 3/4. . .	4
3	PAFZZ	5310-01-071-6411	80063	SM-B-916814-2	WASHER,FLAT 1/4	16
4	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING 1/4-20 NC	4
5	PAFZZ	5935-01-517-8969	04664	1325472-0001	CONNECTOR,RECEPTACL	1
6	PAFZZ	5975-01-207-0229	81992	SHC-1037	BOX CONNECTOR,ELECT.	1
7	PAFZZ	5975-01-127-7595	74545	SHC-1027	BOX CONNECTOR,ELECT.	1
8	PAFZZ	2590-01-517-3439	04664	1091733-0014	BEZEL,AUTOMOTIVE BLACK	2
9	PAFZZ	5305-00-050-9229	96906	MS51957-63	SCREW,MACHINE 1/4-20 X 1/2	4
10	PAFZZ		04664	1116483-0003	LABEL 120VAC, 20AMP,10,60HZ	1
11	PAFZZ		1JWQ8	1116482-0003	TAG-O,SHORELINE SHORELINE INLET, 5/16	1
12	PAFZZ	5305-00-984-5678	96906	MS35206-298	SCREW,MACHINE 5/16-18 X 1.	4
					END OF FIGURE	

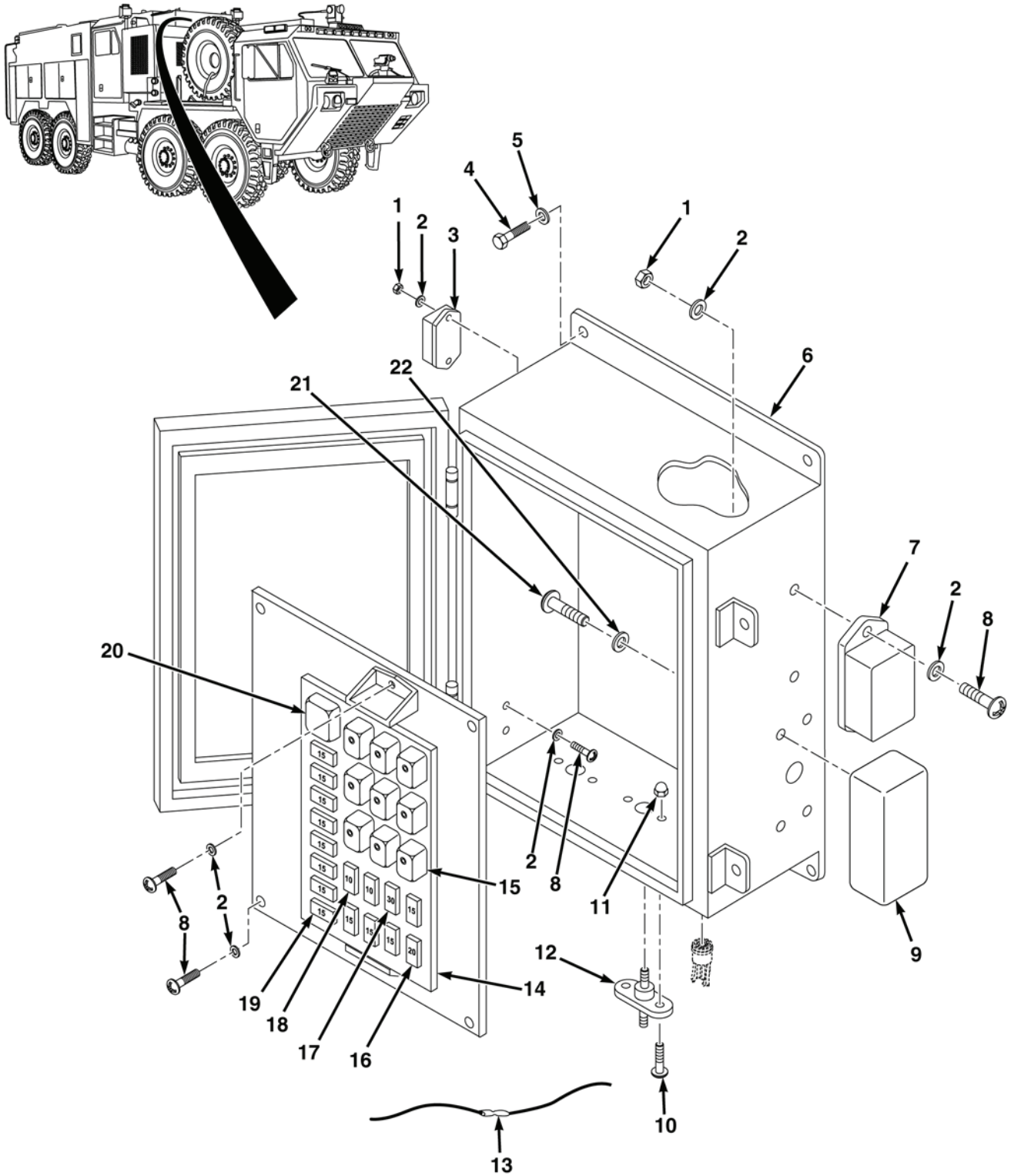


FIG. 83 ELECTRICAL GROUP, POWER DISTRIBUTION (1356924)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 83 ELECTRICAL GROUP, POWER DISTRIBUTION (1356924)	
1	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	4
2	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	14
3	PAFZZ	5925-01-519-6972	0LD05	SDLA-70	CIRCUIT BREAKER	1
4	PAFZZ	5305-00-071-1786	80204	B1821BH044C100N	SCREW,CAP,HEXAGON HEAD, 7/16-14 X 1	4
5	PAFZZ	5310-00-809-4061	96906	MS27183-15	WASHER,FLAT 7/16	4
6	PAFZZ		05574	B-12105CH	BOX,JUNCTION	1
7	PAFZZ	5999-01-518-0390	04664	1325806	SWITCH,PUSH	1
8	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4	8
9	PAFZZ	6680-01-518-0523	04664	1000736	SWITCH,LIQUID LEVEL	1
10	PAFZZ	5305-00-050-9229	96906	MS51957-63	SCREW,MACHINE 1/4-20 X 1/2	4
11	PAFZZ	5310-00-984-3805	58536	AA55629-5	NUT,PLAIN,CAP 1/4-20	4
12	PAFZZ	2920-01-518-1252	04664	30705	BLOCK,TERMINAL	2
13	PAFZZ	5961-01-518-0263	04664	64-0425	SEMICONDUCTOR	2
14	PAFZZ		05574	P-1210	PANEL,SUB	1
15	PAFZZ	5945-01-484-7194	53867	0332207402	RELAY,ELECTROMAGNET	9
16	PAFZZ	5925-01-517-6602	58723	1771-2032	CIRCUIT BREAKER AUT 20A	1
17	PAFZZ	5925-01-517-9408	04664	64-2299-030	CIRCUIT BREAKER AUT 30A	1
18	PAFZZ	5925-01-517-6607	58723	1771-1022	CIRCUIT BREAKER AUT 10A	2
19	PAFZZ	5925-01-517-6372	58723	1771-1522	CIRCUIT BREAKER AUT 15A	12
20	PAFZZ	5945-12-159-7938	D8015	0332204204	RELAY,ELECTROMAGNET	1
21	PAFZZ	5305-00-054-6670	96906	MS51957-45	SCREW,MACHINE 8-32 X 1/2	4
22	PAFZZ	5310-00-983-8483	96906	MS27183-5	WASHER,FLAT NO. 6	4
					END OF FIGURE	

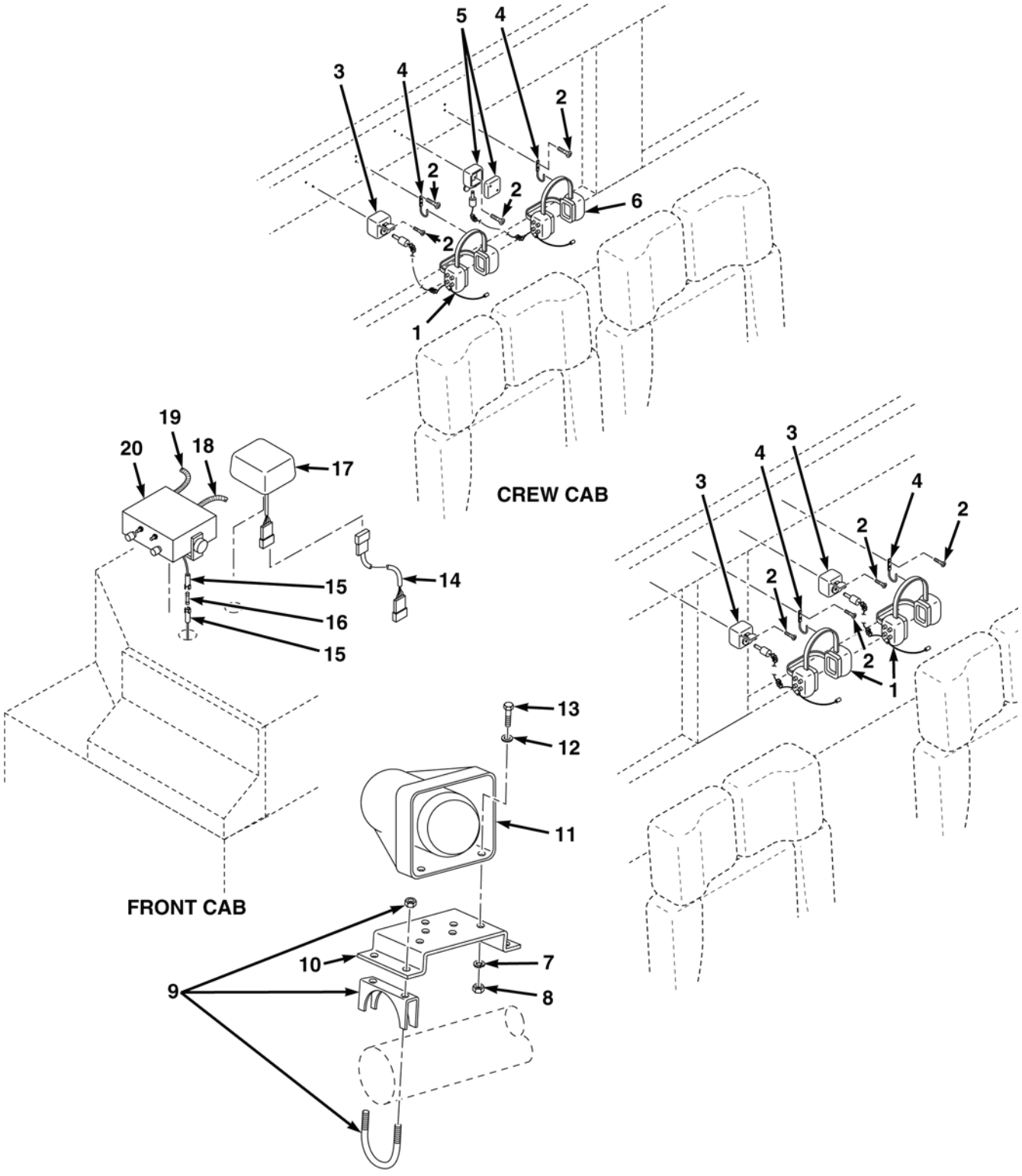


FIG. 84 INTERCOM ASSEMBLY (1326120)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 84 INTERCOM ASSEMBLY (1326120)	
1	PAFZZ	5965-01-517-8198	61547	SE-8SRPTT	HEADSET,ELECTRICAL PUSH-TO-SPEAK SWITCH	3
2	PAFZZ	5305-00-052-6871	80205	MS24627-48	SCREW,TAPPING	24
3	PAFZZ	5935-01-517-8187	61547	800184	CONNECTOR,RECEPTACL W/PUSH-TO-SPEAK SWITCH	3
4	PAFZZ		04664	63-4529	HANGER,HEADSET	6
5	PAFZZ	5935-01-517-8191	61547	800121	CONNECTOR,RECEPTACL W/O PUSH-TO-SPEAK SWITCH	3
6	PAFZZ	5965-01-517-8195	61547	SE-8	HEADSET,ELECTRICAL W/O PUSH-TO-SPEAK SWITCH	3
7	PAFZZ	5310-00-019-0669	80205	MS35333-105	WASHER,LOCK NO. 6	6
8	PAFZZ	5310-00-880-8189	96906	MS51967-11	NUT,PLAIN,HEXAGON 7/16-14.	6
9	PAFZZ	5340-01-244-4707	04664	80-6006	CLAMP,LOOP 3	2
10	PFFZZ		04664	1215641	BRACKET,MOUNTING SIREN SPEAKER	1
11	PAFZZ	5965-01-517-4911	66461	PB100B	LOUDSPEAKER	1
12	PAFZZ	5310-00-809-4061	96906	MS27183-15	WASHER,FLAT 7/16	6
13	PAFZZ	5305-00-071-2055	80204	B1821BH044C150N	SCREW,CAP,HEXAGON HEAD, 7/16-14 X 1 1/2.	6
14	PAFZZ		04664	1406413	HARNESS,INTERCOM FIRE COM. DIST BLOCK,CREW CAB.	1
15	PAFZZ	5995-01-518-0433	61547	900100	CABLE ASSEMBLY,SPEC	2
16	PAFZZ	5920-01-487-5516	71400	ATC-1	FUSE,INCLOSED LINK	1
17	PAFZZ	5998-01-551-7885	04664	SD-60123	ELECTRONIC COMPONEH INTERCOM	1
18	PAFZZ	6130-01-517-9353	04664	1326094	ADAPTER,POWER SUPPL.	1
19	PAFZZ		04664	1406418	HARNESS,INTERCOM FIRE COM,CAB TO CREW CAB	1
20	PAFZZ	5830-01-518-2853	61547	US-67D	INTERCOMMUNICATION	1
					END OF FIGURE	

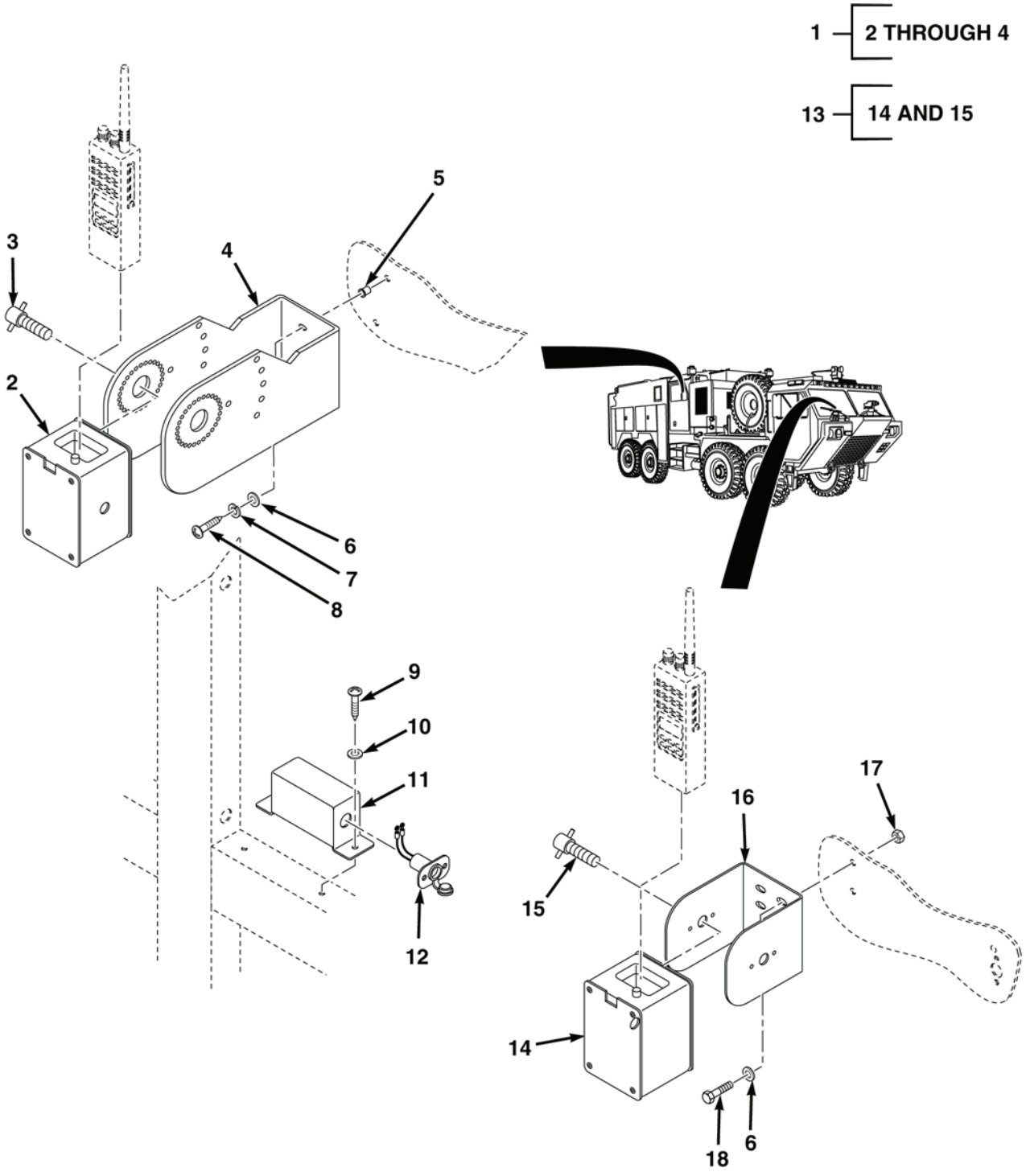


FIG. 85 RADIO ASSEMBLY AND MOUNTING INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 85 RADIO ASSEMBLY AND MOUNTING INSTALLATION	
1	PAFZZ		78205	RLN5233A	CHARGER,BATTERY MOTOROLA,ASSEMBLY.	2
2	XAFZZ		78205	RLN5233AXA1	. CHARGER,BATTERY MOTOROLA . . .	4
3	XAFZZ		78205	RLN5233AXA2	. SCREW,THUMB MOTOROLA.	8
4	XAFZZ		78205	RLN5233AXA3	. BRACKET,MOUNTING MOTOROLA. . .	4
5	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	4
6	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	8
7	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	4
8	PAFZZ	5305-00-052-6911	80205	MS24629-15	SCREW,TAPPING 10-24 X 3/4	4
9	PAFZZ	5305-00-057-9596	96906	MS21207-6-10	SCREW,TAPPING	2
10	PAFZZ	5310-00-883-9384	80205	MS15795-842	WASHER,FLAT .227	2
11	PFFZZ		04664	1398955	BRACKET,RADIO BATTERY CHARGER	2
12	PAFZZ	2540-01-517-5294	1JAB0	371849	HOUSING,CIGARETTE	2
13	PAFZZ		78205	RLN5233A	CHARGER,BATTERY MOTOROLA	2
14	XAFZZ		78205	RLN5233AXA1	. CHARGER,BATTERY MOTOROLA . . .	4
15	XAFZZ		78205	RLN5233AXA2	. SCREW,THUMB MOTOROLA.	8
16	PFFZZ		04664	1394889	BRACKET,MOUNTING HAND HELD RADIO	2
17	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK	4
18	PAFZZ	5305-00-050-9226	96906	MS51957-60	SCREW,MACHINE	4
					END OF FIGURE	

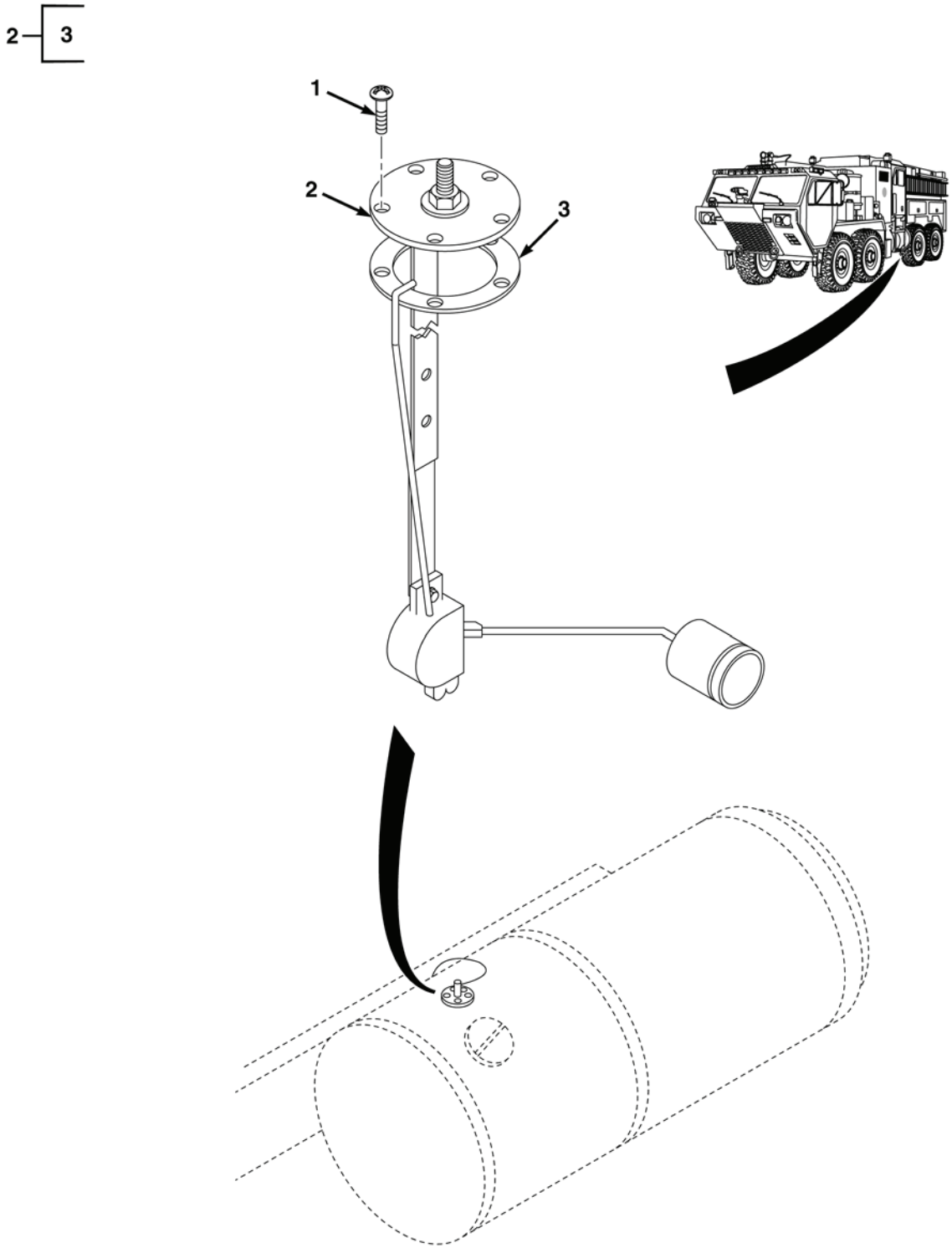


FIG. 86 FUEL QUANTITY SENDING UNIT

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 86 FUEL QUANTITY SENDING UNIT	
1	PAFZZ	5305-00-988-1727	80205	MS35206-283	SCREW,MACHINE 1/4-20 X 1.	5
2	PAFZZ	6680-01-518-2831	16476	02389-00	FLOAT AND ROD,FLOWM DUAL	1
3	PAFZZ	5330-01-163-7432	45152	2AT453	. GASKET.	1
					END OF FIGURE	

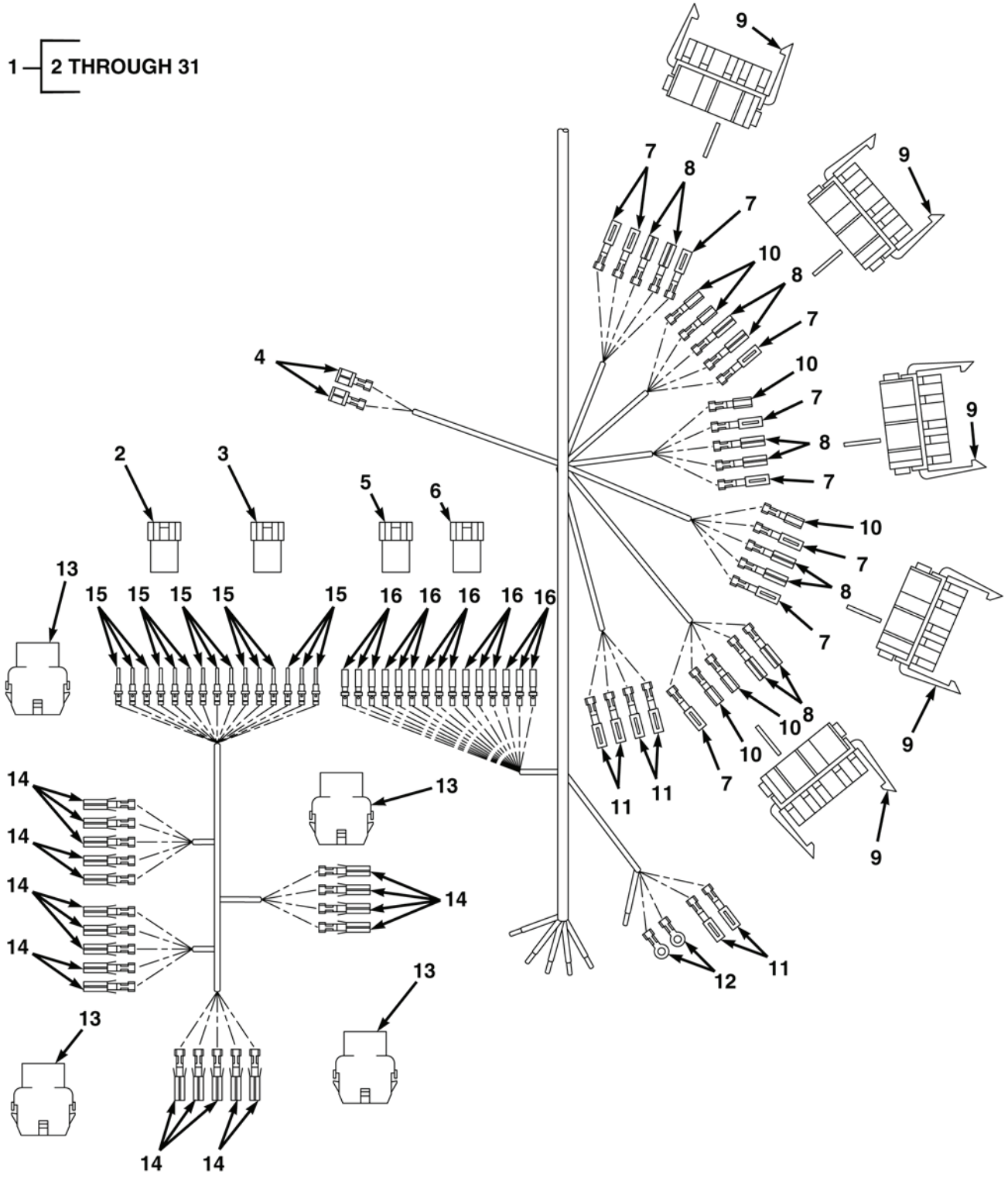


FIG. 87 HARNESS ASSEMBLY, DS/SW (1136481) (CN 189425) (SHEET 1 OF 2)

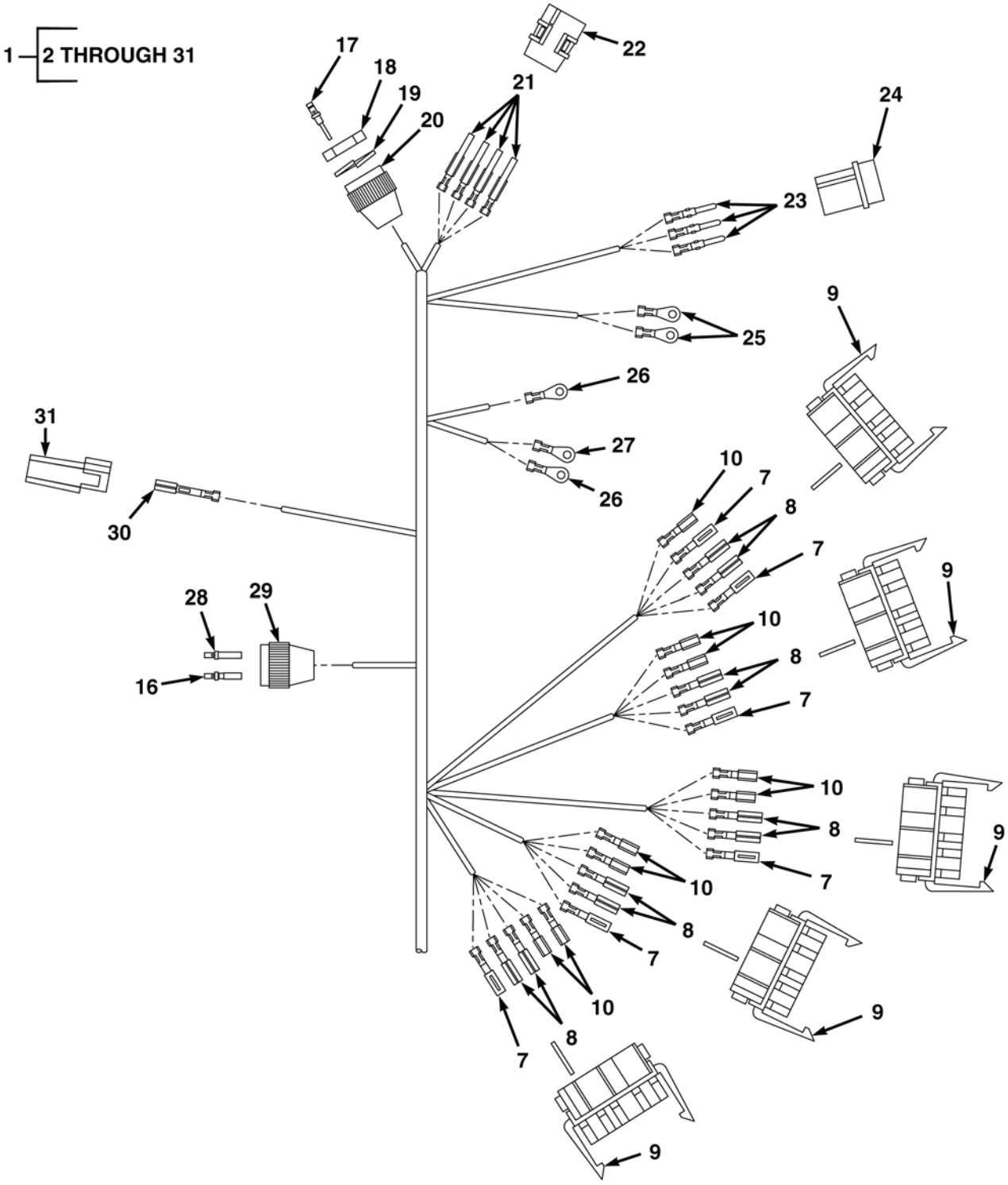


FIG. 87 HARNESS ASSEMBLY, DS/SW (1136481) (CN 189425) (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 87 HARNESS ASSEMBLY, DS/SW (1136481) (CN 189425)	
1	PFFFF		04664	1136481-H002	WIRING HARNESS POWER DISTRIBUTOR	1
2	PAFZZ	5935-01-518-5782	11139	DT04-12PA-B016	. CONNECTOR,PLUG ELECTRICAL	1
3	PAFZZ	5935-01-503-4847	11139	DT04-4P	. CONNECTOR,PLUG,ELEC	1
4	PAFZZ	5940-01-309-6313	06090	D-406-0003	. SPLICE,CONDUCTOR	2
5	PAFZZ	5935-01-485-4000	45152	9HB991	. CONNECTOR,RECEPTACL	1
6	PAFZZ	5935-01-480-9083	11139	DT06-4S-P012	. CONNECTOR RECEPTACLE,4-WAY	1
7	PAFZZ	5999-01-517-9332	77060	12015869	. CONTACT,ELECTRICAL	15
8	PAFZZ	5940-01-357-0069	77060	12034046	. TERMINAL,QUICK DISC	20
9	PAFZZ	5935-01-517-5133	77060	12015987	. CONNECTOR,PLUG,ELEC	10
10	PAFZZ	5940-01-340-9064	77060	1201 5870	. TERMINAL,QUICK	15
11	PAFZZ	5940-00-874-9033	45152	1884550	. TERMINAL,QUICK DISC	6
12	PAFZZ	5940-01-358-7789	00779	42864-2	. TERMINAL,LUG	2
13	PAFZZ	5935-01-323-6817	00779	1-480705-0	. CONNECTOR BODY	4
14	PAFZZ	5999-01-068-9543	00779	350551-1	. CONTACT,ELECTRICAL	19
15	PAFZZ	5999-01-216-3648	11139	0460-202-16141	. CONTACT,ELECTRICAL #16,PIN	15
16	PAFZZ	5999-01-203-6687	11139	0462-201-16141	. CONTACT,ELECTRICAL 20-16,SOCKET,#16	27
17	PAFZZ	5999-01-286-5843	12361	7-689-000797	. CONTACT,ELECTRICAL 14-12,PIN	16
18	PAFZZ	5935-01-517-8144	11139	2411-0001-2405	. NUT,COUPLING,ELECTR	1
19	PAFZZ	5310-01-081-0799	11139	112264	. WASHER,LOCK	1
20	PAFZZ	5935-01-517-8129	11139	HDP24-24-16PN	. CONNECTOR RECEPTACLE	1
21	PAFZZ	5940-01-340-0587	77060	1202 0116	. TERMINAL,QUICK DISC	4
22	PAFZZ	5935-01-516-9371	77060	12015345	. CONNECTOR,MODULAR	1
23	PAFZZ	5999-00-104-8551	19200	12993495-2	. CONTACT,ELECTRICAL	3
24	PAFZZ	5935-00-108-7261	00779	1-480305-0	. CONNECTOR,BODY	1
25	PAFZZ	5940-01-353-5702	00779	40725	. TERMINAL,LUG	2
26	PAFZZ	5940-00-113-9820	81343	MS20659-128	. TERMINAL,LUG	2
27	PAFZZ	5940-01-480-2341	45152	2HE869	. TERMINAL,LUG	1
28	PAFZZ	5999-01-280-1438	12361	7-826-000092	. CONTACT,ELECTRICAL	7
29	PAFZZ	5935-01-517-8125	11139	HDP26-24-19SN	. CONNECTOR,PLUG,ELEC	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
30	PAFZZ	5940-01-342-0558	77060	1203 3820	. TERMINAL,QUICK	1
31	PAFZZ	5935-01-517-5133	77060	12015987	. CONNECTOR,PLUG,ELEC	1
					END OF FIGURE	

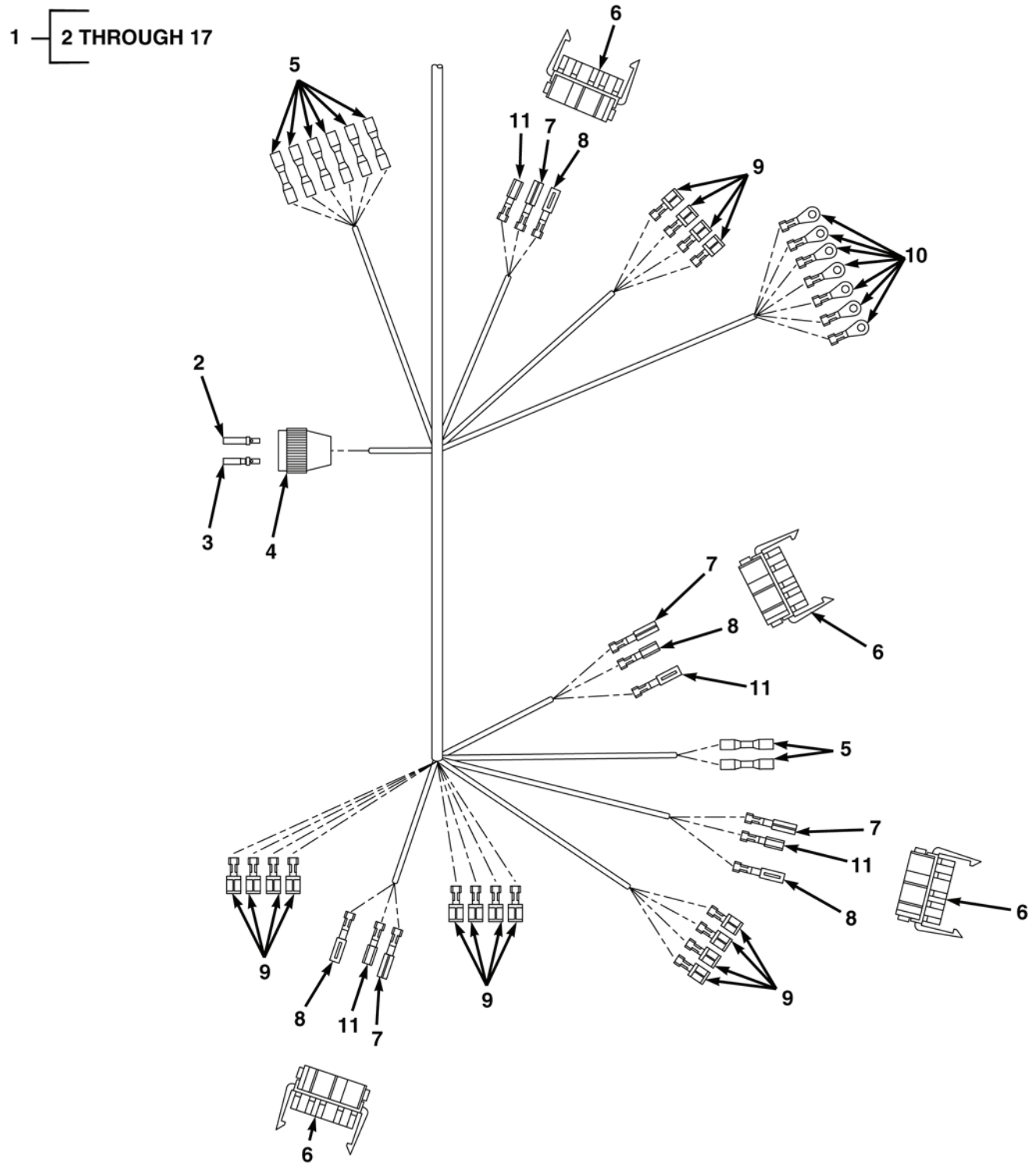


FIG. 88 HARNESS ASSEMBLY, PUMP CONTROL (1136480) (SHEET 1 OF 2)

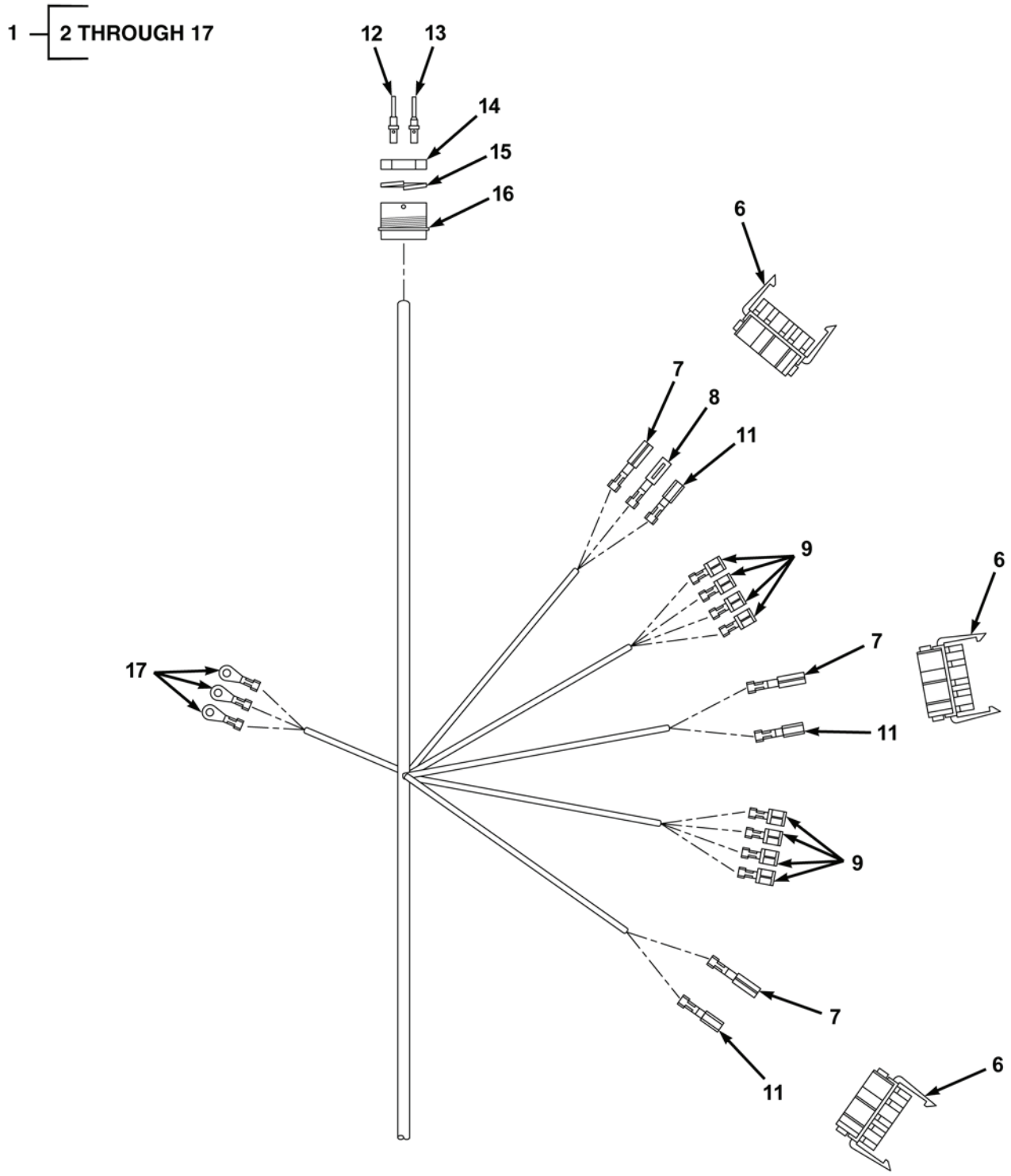


FIG. 88 HARNESS ASSEMBLY, PUMP CONTROL (1136480) (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 88 HARNESS ASSEMBLY, PUMP CONTROL (1136480)	
1	PFFFF		04664	1136480-H002	WIRING HARNESS PUMP CONTROLS .	1
2	PAFZZ	5999-01-203-6687	11139	0462-201-16141	. CONTACT,ELECTRICAL 20-16,SOCKET,#16	13
3	PAFZZ	5999-01-280-1438	12361	7-826-000092	. CONTACT,ELECTRICAL	6
4	PAFZZ	5935-01-517-8125	11139	HDP26-24-19SN	. CONNECTOR,PLUG,ELEC	1
5	PAFZZ	5940-01-309-6313	06090	D-406-0003	. SPLICE,CONDUCTOR	8
6	PAFZZ	5935-01-517-5133	77060	12015987	. CONNECTOR,PLUG,ELEC	7
7	PAFZZ	5940-01-357-0069	77060	12034046	. TERMINAL,QUICK DISC	14
8	PAFZZ	5940-01-340-9064	77060	12015870	. TERMINAL,QUICK DISC	5
9	PAFZZ	5940-00-874-9033	45152	1884550	. TERMINAL,QUICK DISC	24
10	PAFZZ	5940-01-353-6473	00779	40723	. TERMINAL,LUG.	4
11	PAFZZ	5999-01-517-9332	77060	12015869	. CONTACT,ELECTRICAL	7
12	PAFZZ	5999-01-286-5843	12361	7-689-000797	. CONTACT,ELECTRICAL 14-12,PIN . . .	6
13	PAFZZ	5999-01-216-3648	11139	0460-202-16141	. CONTACT,ELECTRICAL #16,PIN	9
14	PAFZZ	5935-01-517-8144	11139	2411-0001-2405	. NUT,COUPLING,ELECTR	1
15	PAFZZ	5310-01-081-0799	11139	112264	. WASHER,LOCK.	1
16	PAFZZ	5935-01-517-8130	11139	HDP24-24-19PN	. CONNECTOR RECEPTACLE	1
17	PAFZZ	5940-01-480-2341	45152	2HE869	. TERMINAL,LUG.	3
					END OF FIGURE	

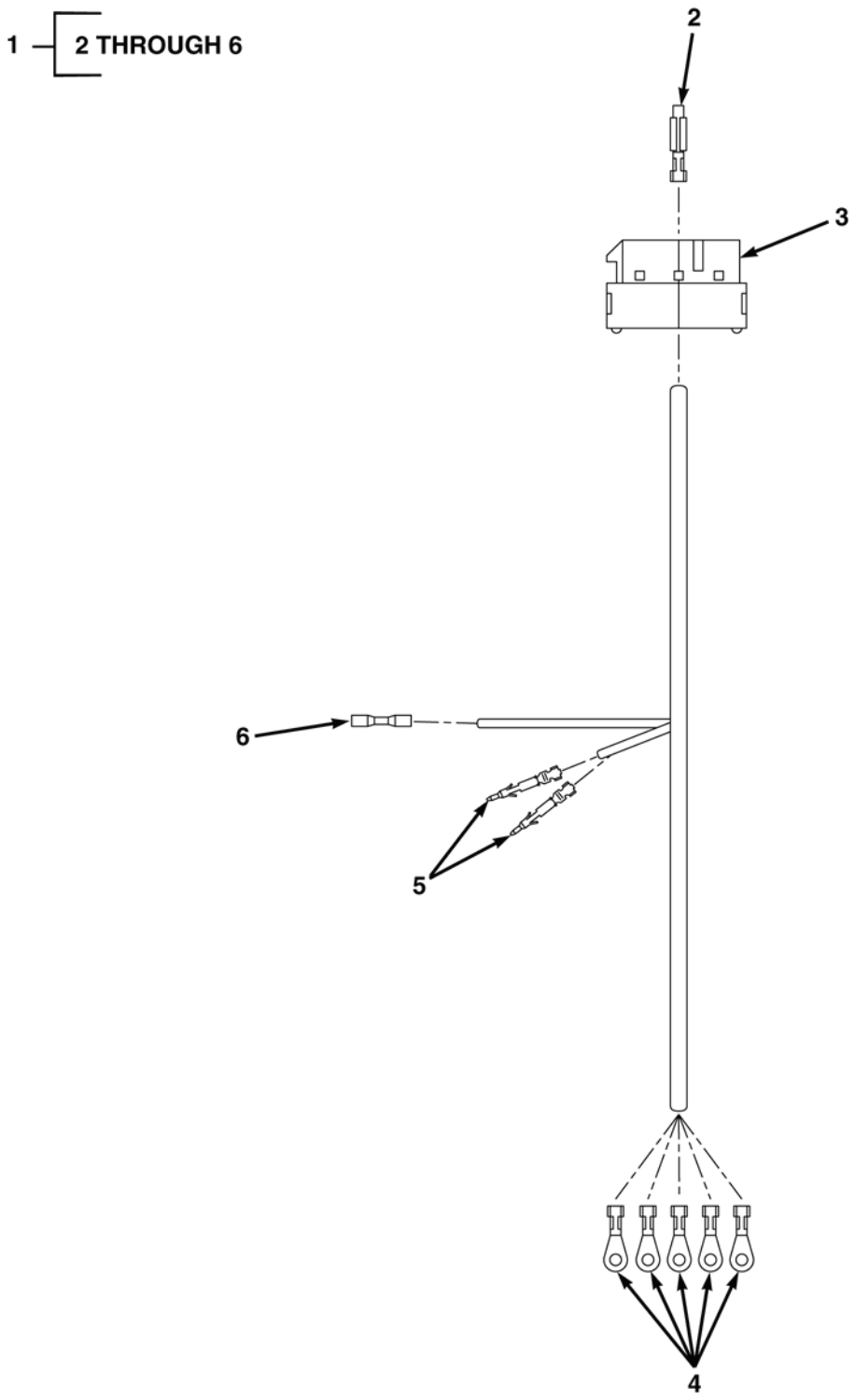


FIG. 89 HARNESS ASSEMBLY, CAB/ROOF (CN 189425)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 89 HARNESS ASSEMBLY, CAB/ ROOF (CN 189425)	
1	PFFFF		04664	1183242-H002	WIRING HARNESS,BRAN	1
2	PAFZZ	5940-01-347-6142	77060	1206 6214	. TERMINAL,QUICK DISC	6
3	PAFZZ	5935-01-518-0417	77060	12015344	. CONNECTOR,PLUG,ELEC	1
4	PAFZZ	5940-01-353-5702	00779	40725	. TERMINAL,LUG.	5
5	PAFZZ	5940-01-386-5967	80372	87024A9873	. SPLICE,CONDUCTOR	2
6	PAFZZ	5999-01-216-3648	11139	0460-202-16141	. CONTACT,ELECTRICAL	1
					END OF FIGURE	

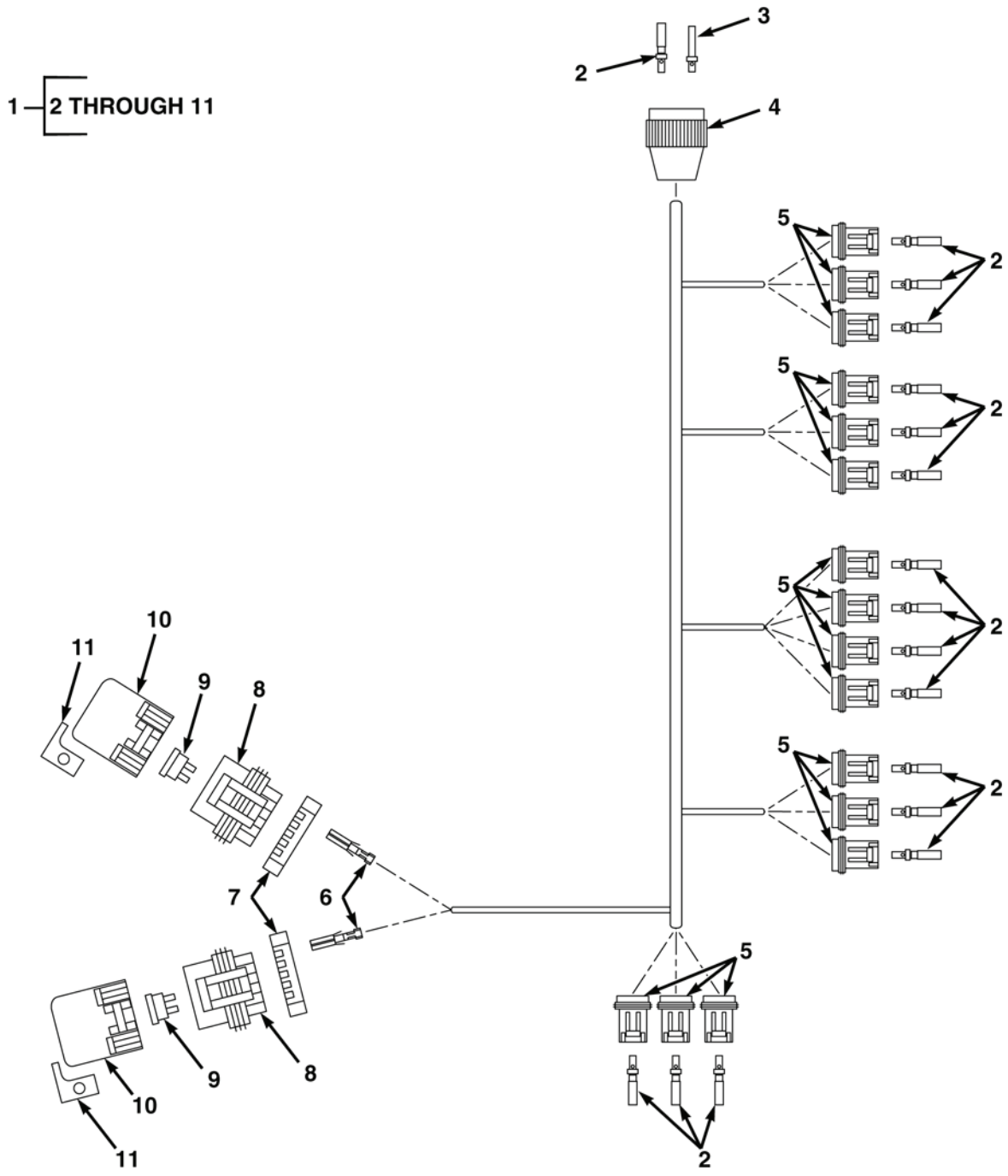


FIG. 90 HARNESS ASSEMBLY, CONTROL VALVE (1183241)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 90 HARNESS ASSEMBLY, CONTROL VALVE (1183241)	
1	PFFFF		04664	1183241-H001	WIRING HARNESS,BRAN	1
2	PAFZZ	5999-01-203-6687	11139	0462-201-16141	. CONTACT,ELECTRICAL 20-16,SOCKET,#16	42
3	PAFZZ	5999-01-280-1438	12361	7-826-000092	. CONTACT,ELECTRICAL	4
4	PAFZZ	5935-01-517-8125	11139	HDP26-24-19SN	. CONNECTOR,PLUG,ELEC	1
5	PAFZZ	5935-01-514-4357	45152	8HE868	. CONNECTOR,PLUG	16
6	PAFZZ	5999-01-214-9682	45152	1624090	. CONTACT,ELECTRICAL	12
7	PAFZZ	5935-01-518-0148	58961	38077	. CONNECTOR BODY	2
8	PAFZZ	5935-01-518-0147	58961	38076	. CONNECTOR BODY	2
9	PAFZZ	5961-01-518-0151	58961	46880	. SEMICONDUCTOR	6
10	PAFZZ	5999-01-518-0143	58961	38078	. CAP,ELECTRICAL	2
11	PAFZZ	5999-01-518-0112	58961	38084	. CLIP,ELECTRICAL	2
					END OF FIGURE	

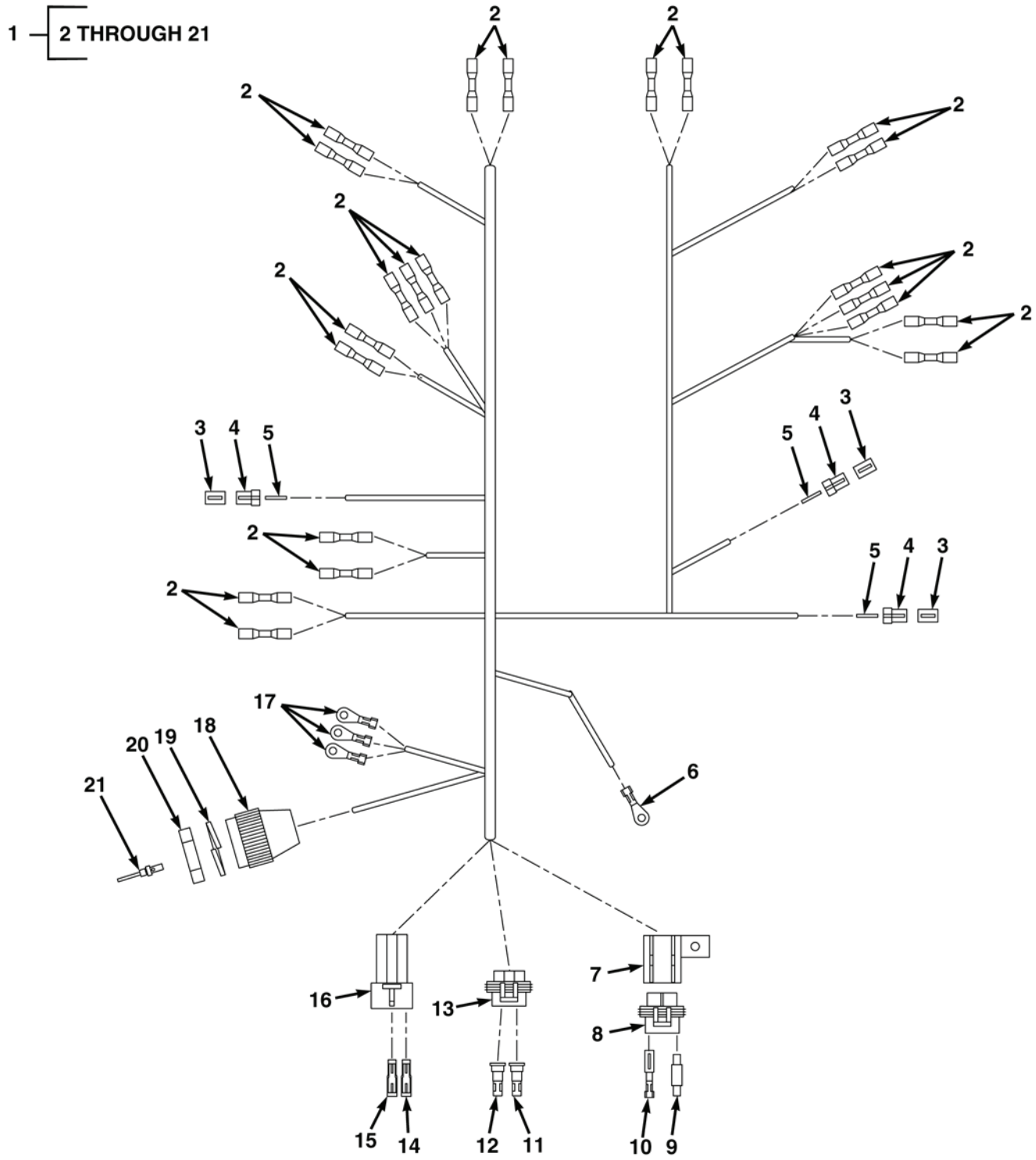


FIG. 91 HARNESS ASSEMBLY, CREW CAB

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 91 HARNESS ASSEMBLY, CREW CAB	
1	PFFFF		04664	1136485-H001	WIRING HARNESS,BRAN CREW CAB .	1
2	PAFZZ	5940-01-386-5967	80372	87024A9873	. SPLICE,CONDUCTOR	26
3	PAFZZ	5975-01-518-9783	77326	52-626	. CABLE NIPPLE	3
4	PAFZZ	5935-01-517-6605	77326	52-625	. SHELL,ELECTRICAL CONNECTOR. . .	3
5	PAFZZ	5995-01-518-1330	77326	52-627	. LEAD SET,ELECTRICAL 16-18,PIN . . .	8
6	PAFZZ		1T9T6	19070-0132	. LUG,TERMINAL	1
7	PAFZZ	5935-01-337-0288	64678	1208-9272	. DUMMY CONNECTOR RECEPTACLE .	1
8	PAFZZ	5935-01-336-7622	77060	12033769	. CONNECTOR BODY,PLUG.	1
9	PAFZZ	5940-01-336-6331	77060	1203 3997	. TERMINAL,QUICK DISC	2
10	PAFZZ	2590-01-480-2394	77060	12066614	. TERMINAL,FUSE,INLIN	1
11	PAFZZ	5940-01-518-1962	77060	12052456	. TERMINAL,QUICK DISC	2
12	PAFZZ	5940-01-342-3882	77060	12052455	. TERMINAL,QUICK DISC	1
13	PAFZZ	5935-01-517-6221	77060	12124685	. CONNECTOR ASSEMBLY, ...	1
14	PAFZZ	5999-01-337-0088	77060	12064 735	. CONTACT,ELECTRICAL	1
15	PAFZZ	5940-01-518-1348	77060	12064736	. TERMINAL,QUICK DISC	2
16	PAFZZ	5935-01-517-6218	77060	12124686	. CONNECTOR ASSEMBLY, ...	1
17	PAFZZ	5940-00-113-9820	81343	MS20659-128	. TERMINAL,LUG.	3
18	PAFZZ	5935-01-517-8129	11139	HDP24-24-16PN	. CONNECTOR RECEPTACLE	1
19	PAFZZ	5310-01-081-0799	11139	112264	. WASHER,LOCK.	1
20	PAFZZ	5935-01-517-8144	11139	2411-0001-2405	. NUT,COUPLING,ELECTR	1
21	PAFZZ	5999-01-286-5843	12361	7-689-000797	. CONTACT,ELECTRICAL 14-12,PIN . . .	14
					END OF FIGURE	

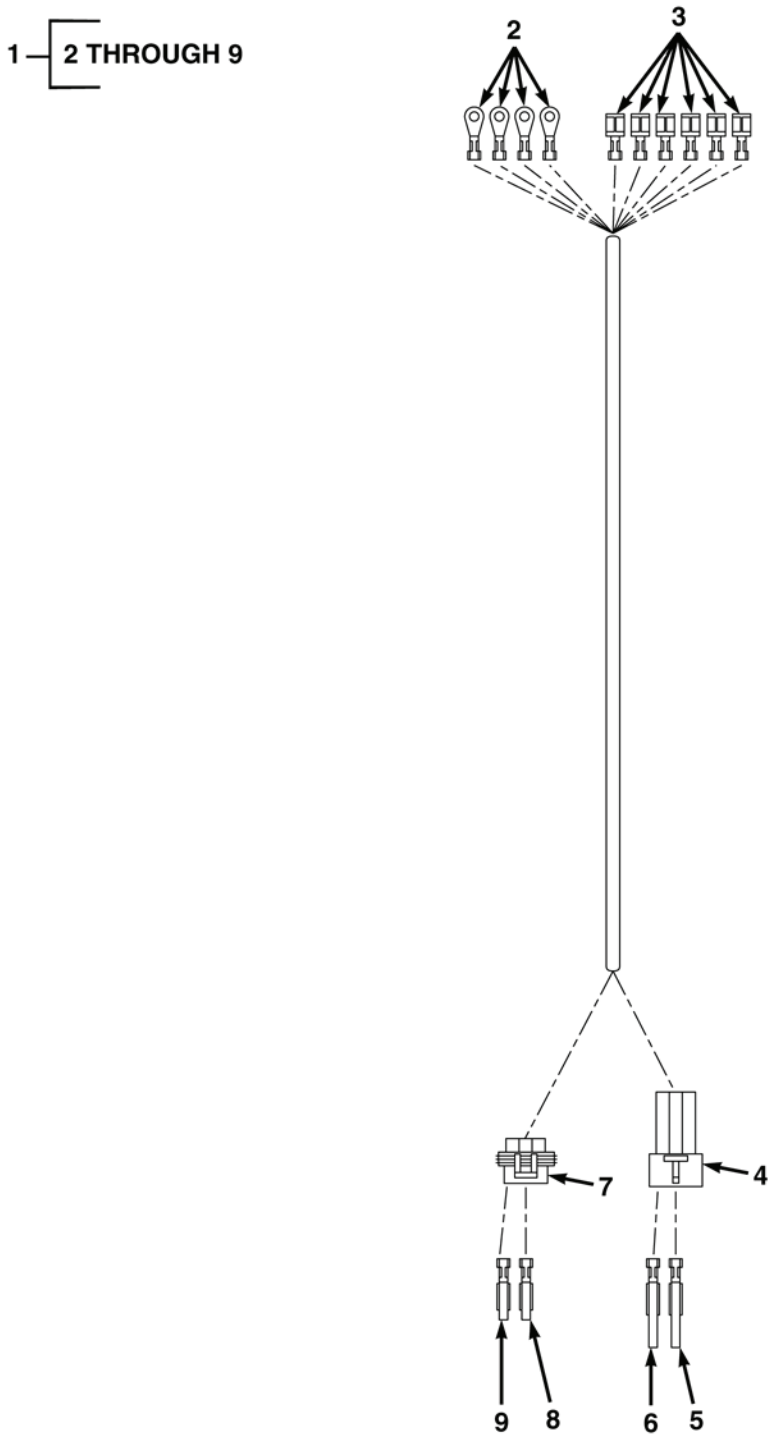


FIG. 92 HARNESS ASSEMBLY, EQUIPMENT (LADDER) RACK CONTROL

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 92 HARNESS ASSEMBLY, EQUIPMENT (LADDER) RACK CONTROL	
1	PFFFF		04664	1136489-H001	WIRING HARNESS LADDER RACK PANEL	1
2	PAFZZ	5940-01-353-6473	00779	40723	. TERMINAL,LUG.	4
3	PAFZZ	5940-01-047-8489	00779	41450	. TERMINAL,QUICK DISC	6
4	PAFZZ	5935-01-517-6218	77060	12124686	. CONNECTOR ASSEMBLY, ...	1
5	PAFZZ	5999-01-337-0088	77060	12064735	. CONTACT,ELECTRICAL	1
6	PAFZZ	5940-01-518-1348	77060	12064736	. TERMINAL,QUICK DISC	2
7	PAFZZ	5935-01-517-6221	77060	12124685	. CONNECTOR ASSEMBLY, ...	1
8	PAFZZ	5940-01-342-3882	77060	12052455	. TERMINAL,QUICK DISC	1
9	PAFZZ	5940-01-518-1962	77060	12052456	. TERMINAL,QUICK DISC	2
					END OF FIGURE	

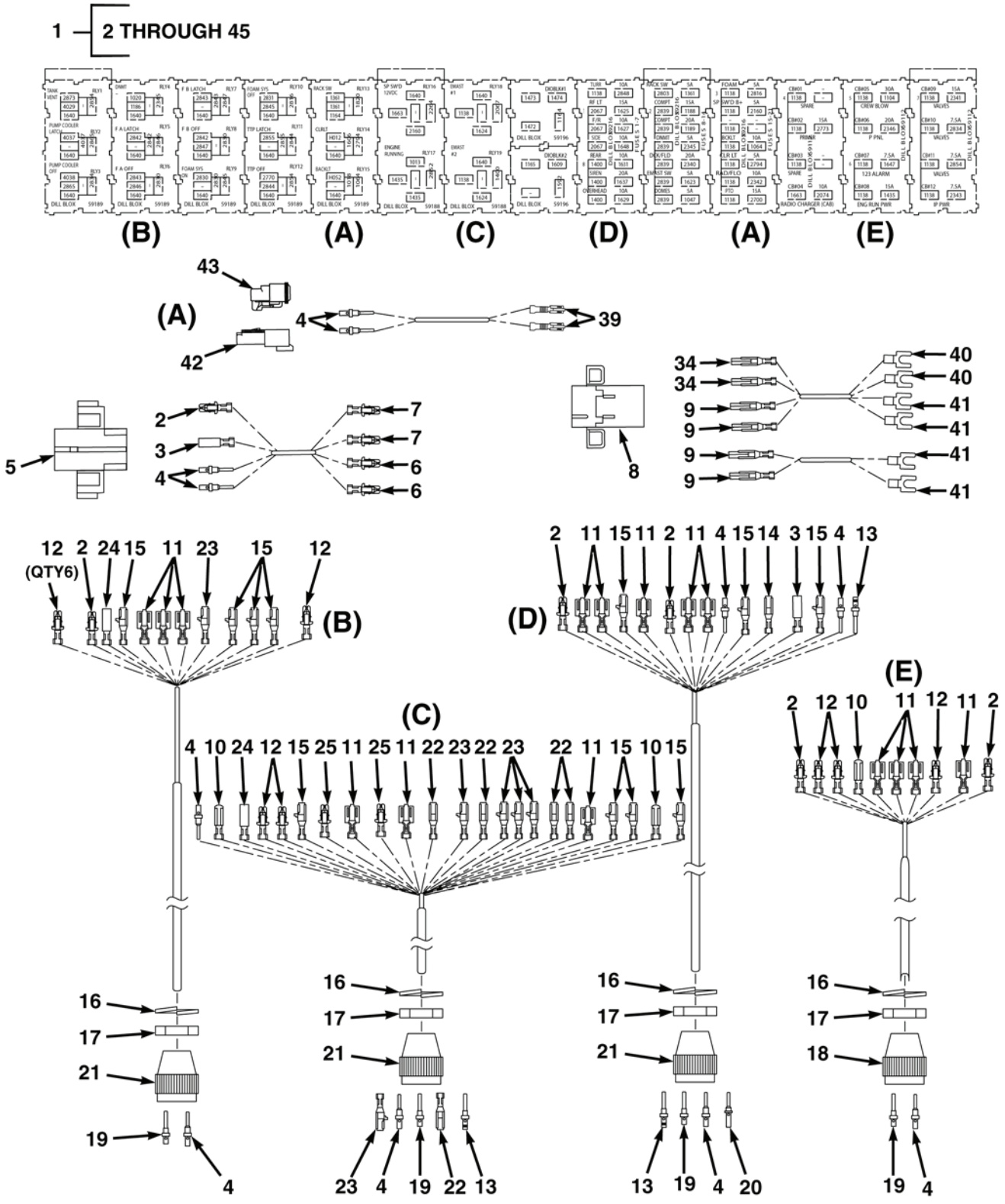


FIG. 93 HARNESS ASSEMBLY, POWER DISTRIBUTOR (1136482) (SHEET 1 0F 2)

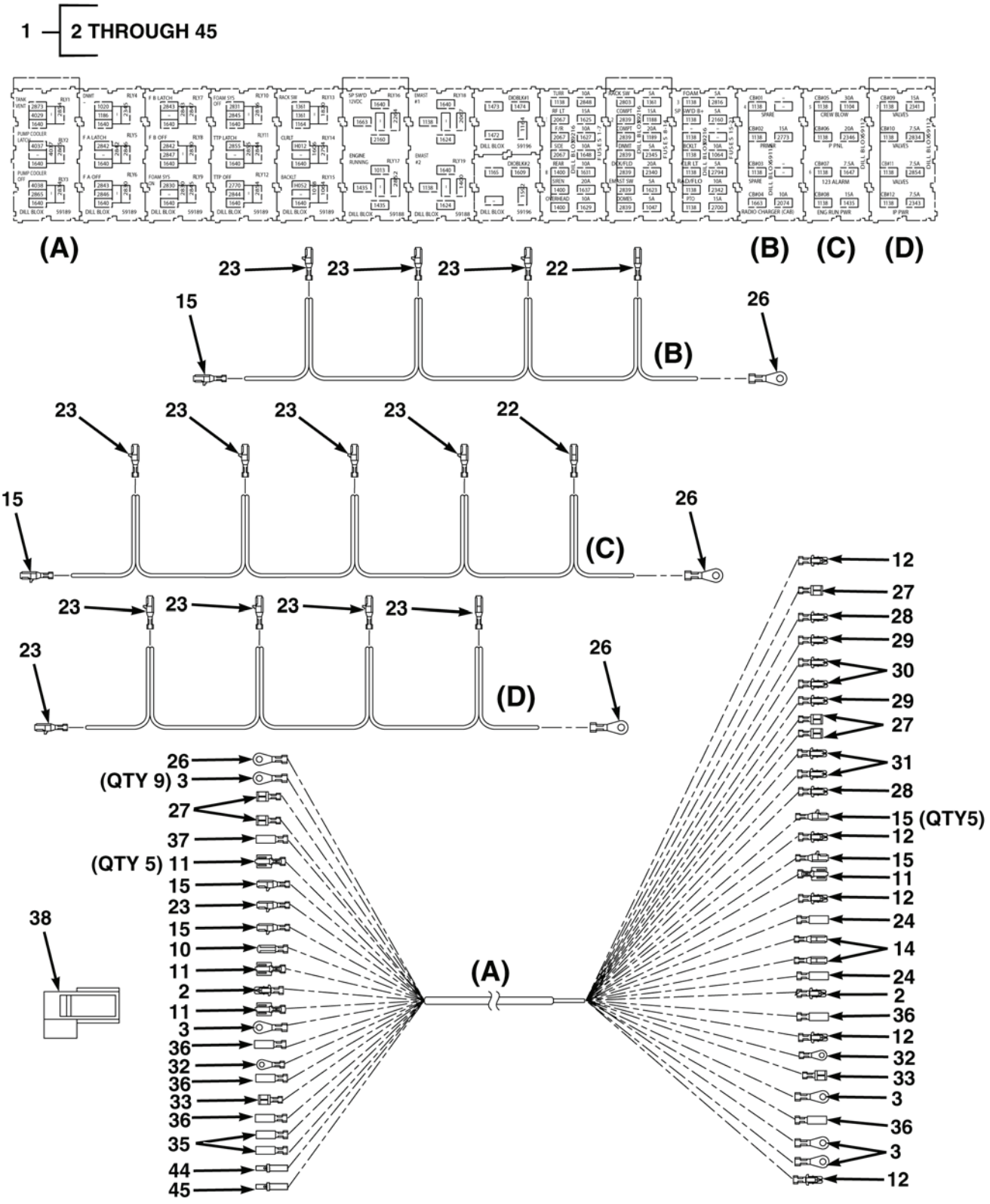


FIG. 93 HARNESS ASSEMBLY, POWER DISTRIBUTOR (1136482) (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 93 HARNESS ASSEMBLY, POWER DISTRIBUTOR (1136482)	
1	PFFFZ	6110-01-517-4929	04664	1136482-H001	PANEL,POWER DISTRIB POWER DISTRIBUTOR	1
2	PAFZZ	5999-01-517-9045	2E480	TF-18PC1UC	. CONTACT,ELECTRICAL	8
3	PAFZZ	5940-00-113-9820	81343	MS20659-128	. TERMINAL,LUG.	13
4	PAHZZ	5999-01-216-3648	11139	0460-202-16141	. CONTACT,ELECTRICAL #16,PIN	35
5	PAHZZ	5935-01-518-0417	77060	12015344	. CONNECTOR,PLUG,ELEC	1
6	PAHZZ	5999-01-422-9740	19207	12420936	. CONTACT,ELECTRICAL 16-14 GA,FEMALE	30
7	PAHZZ	5940-01-340-0587	77060	1202 0116	. TERMINAL,QUICK DISC	4
8	PAHZZ	5935-01-516-9371	77060	12015345	. CONNECTOR,MODULAR	1
9	PAHZZ	5940-00-283-5280	96906	MS25036-106	. TERMINAL,LUG.	4
10	PAFZZ	5940-01-340-9064	77060	1201 5870	. TERMINAL,QUICK.	4
11	PAFZZ	5999-01-517-9332	77060	12015869	. CONTACT,ELECTRICAL	22
12	PAFZZ	5999-01-517-9046	2E480	TF-14PC1UC	. CONTACT,ELECTRICAL 16-14 GA. . . .	18
13	PAHZZ	5999-01-373-4494	11139	0460-215-16141	. CONTACT,ELECTRICAL	3
14	PAHZZ	5940-01-337-3319	77060	1208 4590	. TERMINAL,QUICK FEMALE	3
15	PAFZZ	5999-01-518-0157	77060	12065894	. CONTACT,ELECTRICAL	18
16	PAHZZ	5310-01-081-0799	11139	112264	. WASHER,LOCK.	4
17	PAHZA	5935-01-517-8144	11139	2411-0001-2405	. NUT,COUPLING,ELECTR	4
18	PAHZZ	5935-01-516-9367	11139	HDP24-24-21PN	. CONNECTOR RECEPTACLE	1
19	PAHZZ	5999-01-286-5843	12361	7-689-000797	. CONTACT,ELECTRICAL 14-12,PIN . . .	21
20	PAHZZ	5999-01-081-9033	45152	58338AX	. CONTACT,ELECTRICAL	2
21	PAHZA	5935-01-517-8130	11139	HDP24-24-19PN	. CONNECTOR RECEPTACLE	3
22	PAHZZ	5940-01-517-5397	77060	12020035	. TERMINAL,QUICK DISC	8
23	PAFZZ	5999-01-518-0162	77060	12077945	. CONTACT,ELECTRICAL	20
24	PAFZZ	5940-01-374-9838	0FW39	12419928-006	. TERMINAL,QUICK DISC	5
25	PAHZZ	5999-01-517-5026	2E480	TF-17PC1UC	. CONTACT,ELECTRICAL 20-18 (2),FUSE TERMINAL	2
26	PAFZZ	5940-01-480-2341	45152	2HE869	. TERMINAL,LUG.	4
27	PAFZZ	5940-01-517-5398	00779	280756-4	. TERMINAL,QUICK DISC 0.380	4
28	PAFZZ	6150-01-517-7765	2E480	092769	. BUS,CONDUCTOR 3 TERMINAL	2
29	PAHZZ	6150-01-337-5039	2E480	092579	. BUS,CONDUCTOR 4 POSITION	2
30	PAHZZ	6150-01-517-7770	2E480	092648	. BUS,CONDUCTOR 2 POSITION	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
31	PAHZZ	6150-01-517-7774	2E480	092764	. BUS,CONDUCTOR 5 TERMINAL	2
32	PAFZZ	5940-00-557-1627	96906	MS25036-53	. TERMINAL,LUG	4
33	PAFZZ	5940-01-082-3321	00779	3-350820-2	. TERMINAL,QUICK DISCONNECT	2
34	PAHZZ	5940-00-143-4777	81343	AS25036-157	. TERMINAL,LUG 12-10,1/4,RING	3
35	PAFZZ	5940-01-386-5967	80372	87024A9873	. SPLICE,CONDUCTOR.	1
36	PAFZZ	5940-01-309-6313	06090	D-406-0003	. SPLICE,CONDUCTOR.	2
37	PAFZZ	5940-01-341-0525	77060	12084595	. TERMINAL,QUICK DISC FEMALE	1
38	PAHZZ	5935-01-517-5024	77060	12015952	. SHELL,ELECTRICAL CO.	1
39	PAFZZ		77060	12065899	. TERMINAL,QUICK DISC	2
40	PAFZZ	5940-00-114-1315	96906	MS20659-142	. TERMINAL,LUG	1
41	PAFZZ	5940-00-113-9826	81343	MS25036-114	. . . . TERMINAL,LUG 3/8,RING	4
42	PAFZZ	5935-01-479-1599	45152	2HB218	. CONNECTOR,RECEPTACL RECEPTACLE,ELECTRICAL.	1
43	PAFZZ	5935-01-514-4357	45152	8HE868	. CONNECTOR,PLUG ELECTRICAL. . . .	1
44	PAFZZ	5999-01-406-4110	77060	12124582	. CONTACT,ELECTRICAL	1
45	PAFZZ	5940-01-353-6473	00779	40723	. TERMINAL,LUG	1

END OF FIGURE

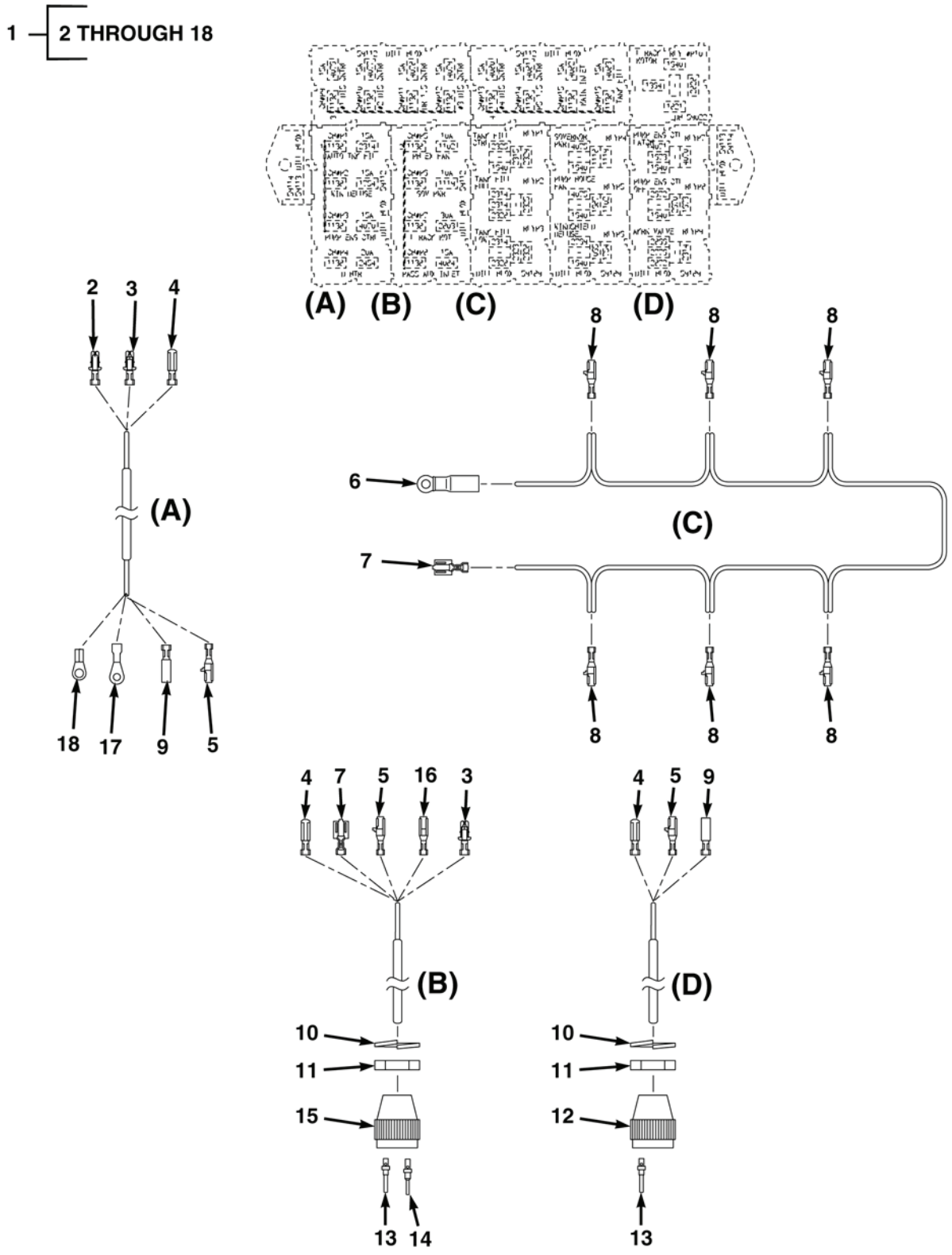


FIG. 94 HARNESS ASSEMBLY, POWER DISTRIBUTION (1136473)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 94 HARNESS ASSEMBLY, POWER DISTRIBUTION (1136473)	
1	PFFFZ	6110-01-517-9289	04664	1136473-H002	PANEL,POWER DISTRIB	1
2	PAFZZ	6150-01-337-5039	2E480	092579	. BUS,CONDUCTOR 4 POSITION	4
3	PAFZZ	5999-01-517-9045	77060	12020400	. CONTACT,ELECTRICAL	3
4	PAFZZ	5940-01-340-9064	77060	1201 5870	. TERMINAL,QUICK.	15
5	PAFZZ	5999-01-518-0157	77060	12065894	. CONTACT,ELECTRICAL	15
6	PAFZZ	5940-01-517-3337	00779	55849	. TERMINAL,LUG.	1
7	PAFZZ	5999-01-517-9332	77060	12015869	. CONTACT,ELECTRICAL	2
8	PAFZZ	5999-01-518-0162	77060	12077945	. CONTACT,ELECTRICAL	6
9	PAFZZ	5940-01-400-0618	1JB11	12020321	. CONTACT,ELECTRICAL 16-14 GA. . . .	14
10	PAFZZ	5310-01-081-0799	11139	112264	. WASHER,LOCK.	2
11	PAFZZ	5935-01-517-8144	11139	2411-0001-2405	. NUT,COUPLING,ELECTR	2
12	PAFZZ	5935-01-517-8126	11139	HDP24-24-23PN	. CONNECTOR RECEPTACLE	1
13	PAFZZ	5999-01-216-3648	11139	0460-202-16141	. CONTACT,ELECTRICAL #16,PIN	27
14	PAFZZ	5999-01-286-5843	12361	7-689-000797	. CONTACT,ELECTRICAL 14-12,PIN . . .	6
15	PAFZZ	5935-01-517-8130	11139	HDP24-24-19PN	. CONNECTOR RECEPTACLE	1
16	PAFZZ	5940-01-341-0525	77060	12084595	. TERMINAL,QUICK DISC FEMALE	2
17	PAFZZ	5940-00-143-4777	81343	AS25036-157	. TERMINAL,LUG 12-10,1/4,RING	3
18	PAFZZ	5940-00-113-9825	81343	MS20659-141	. TERMINAL,LUG.	2
					END OF FIGURE	

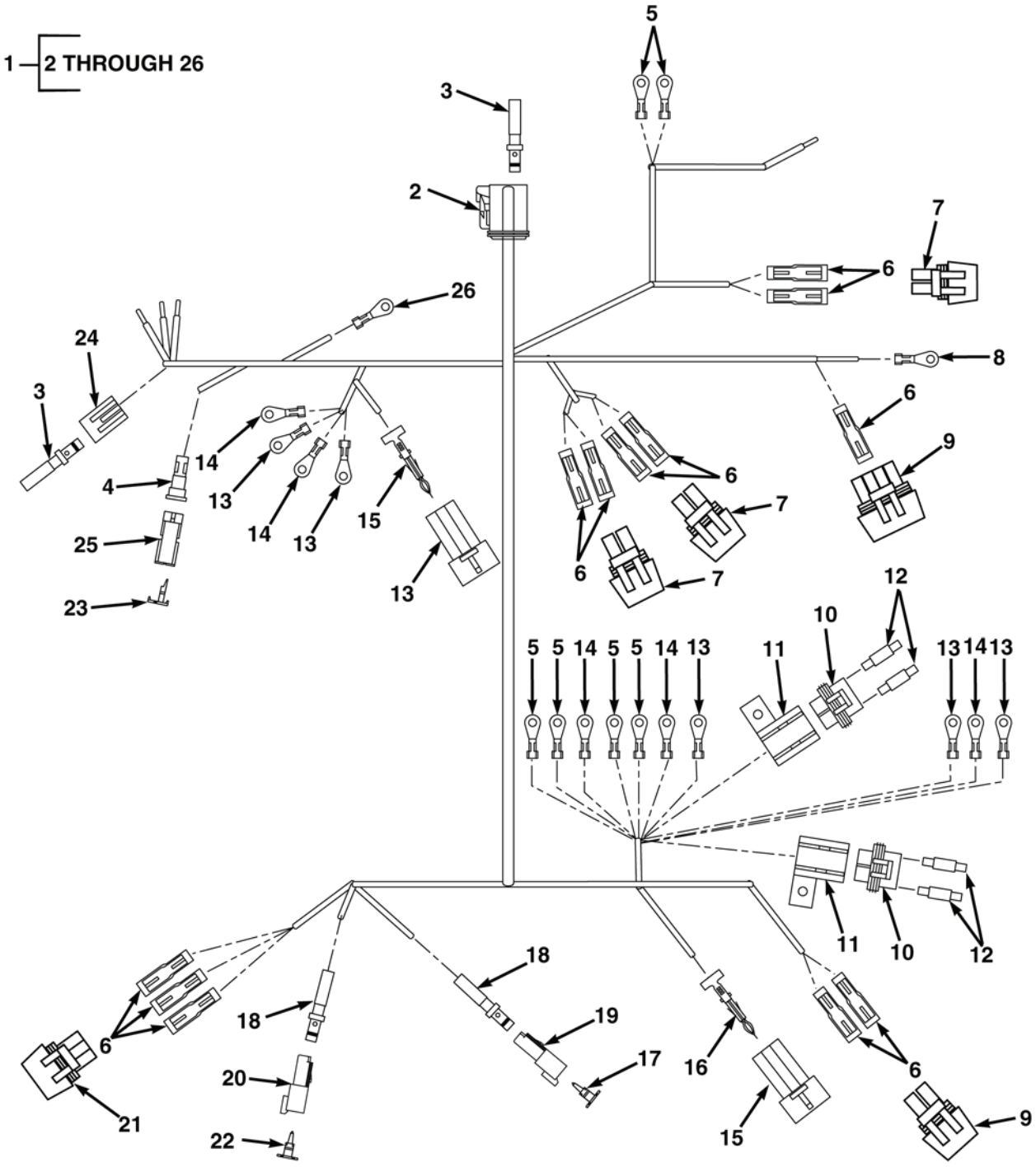


FIG. 95 HARNESS ASSEMBLY, PUMP HOUSE (1360124)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 95 HARNESS ASSEMBLY, PUMP HOUSE (1360124)	
1	PFFFZ	6150-01-518-5432	04664	1360124-H001	WIRING HARNESS,BRAN PUMP HOUSE	1
2	PAFZZ	5935-01-519-1186	11139	DT06-6S-P012	. CONNECTOR,PLUG,ELEC 4 WAY	1
3	PAFZZ	5999-01-203-6687	11139	0462-201-16141	. CONTACT,ELECTRICAL	12
4	PAFZZ	5935-01-517-6022	11139	W4S-P012	. RETAINER,ELECTRICAL	2
5	PAFZZ	5940-01-353-5702	00779	40725	. TERMINAL,LUG.	5
6	PAFZZ	5999-01-422-9740	19207	12420936	. CONTACT,ELECTRICAL 16-14 GA,FEMALE.	15
7	PAFZZ	5935-01-214-5259	77060	12015792	. CONNECTOR BODY,PLUG.	4
8	PAFZZ	5940-00-230-0515	81343	MS25035-154	. TERMINAL,LUG.	1
9	PAFZZ	5935-01-308-8599	45152	1788880	. CONNECTOR BODY,PLUG.	1
10	PAFZZ	5342-01-480-0358	45152	7HE956	. WEDGE,PLUG LOCK	1
12	PAFZZ	5940-01-336-6331	77060	1203 3997	. TERMINAL,QUICK DISC	4
14	PAFZZ	5940-00-237-6779	96906	MS20659-29	. TERMINAL,LUG 3/8,RING,12 GA	5
15	PAFZZ	5935-01-214-4163	22785	12010973	. CONNECTOR BODY,PLUG PLUG,ELECTRICAL.	1
16	PAFZZ	5999-01-406-4110	77060	12124582	. CONTACT,ELECTRICAL	4
17	PAFZZ	5935-01-519-1808	11139	W2P	. RETAINER,ELECTRICAL	1
18	PAFZZ	5999-01-216-3648	11139	0460-202-16141	. CONTACT,ELECTRICAL #16,PIN	4
19	PAFZZ	5935-01-479-1599	11139	DT04-2P-E004	. CONNECTOR RECEPTACLE,ELECTRICAL	1
20	PAFZZ	5935-01-503-4847	11139	DT04-4P	. CONNECTOR,PLUG,ELEC	1
21	PAFZZ	5935-01-292-2336	77060	12015793	. CONNECTOR,PLUG	1
22	PAFZZ	5935-01-503-7348	11139	W4P	. RETAINER,ELECTRICAL	1
23	PAFZZ	5935-01-517-6025	11139	W8S-P012	. RETAINER,ELECTRICAL	1
24	PAFZZ	5935-01-517-0938	11139	DT06-8SA-P012	. CONNECTOR,PLUG ELECTRICAL . . .	1
25	PAFZZ	5935-01-338-3532	64678	1201 0996	. CONNECTOR BODY,PLUG.	1
26	PAFZZ	5940-00-143-4794	81343	MS25036-112	. TERMINAL,LUG NO. 10,RING,12-10 GA	1
					END OF FIGURE	

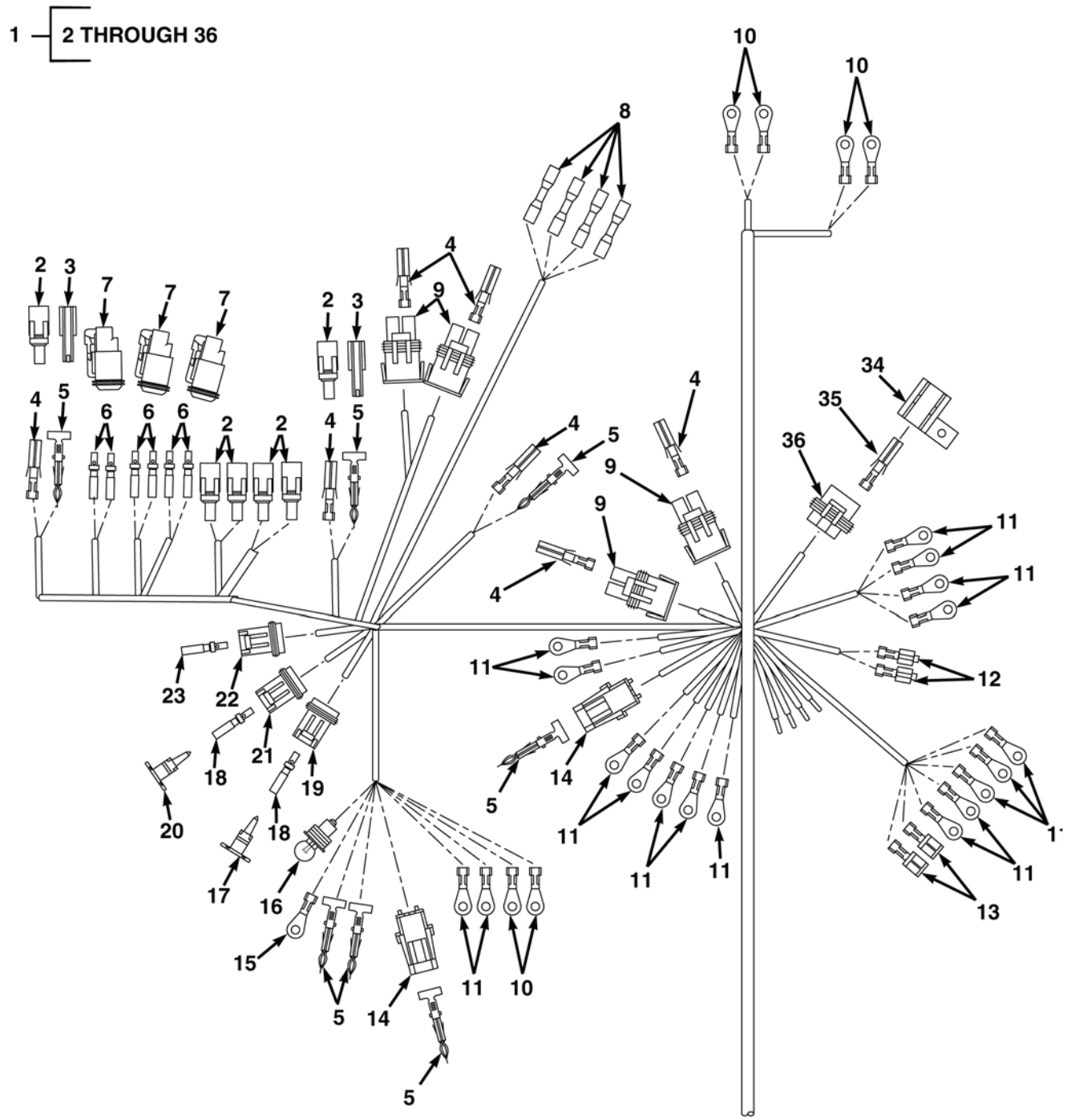


FIG. 96 HARNESS ASSEMBLY, PUMP OPERATOR'S PANEL (1136484) (SHEET 1 OF 2)

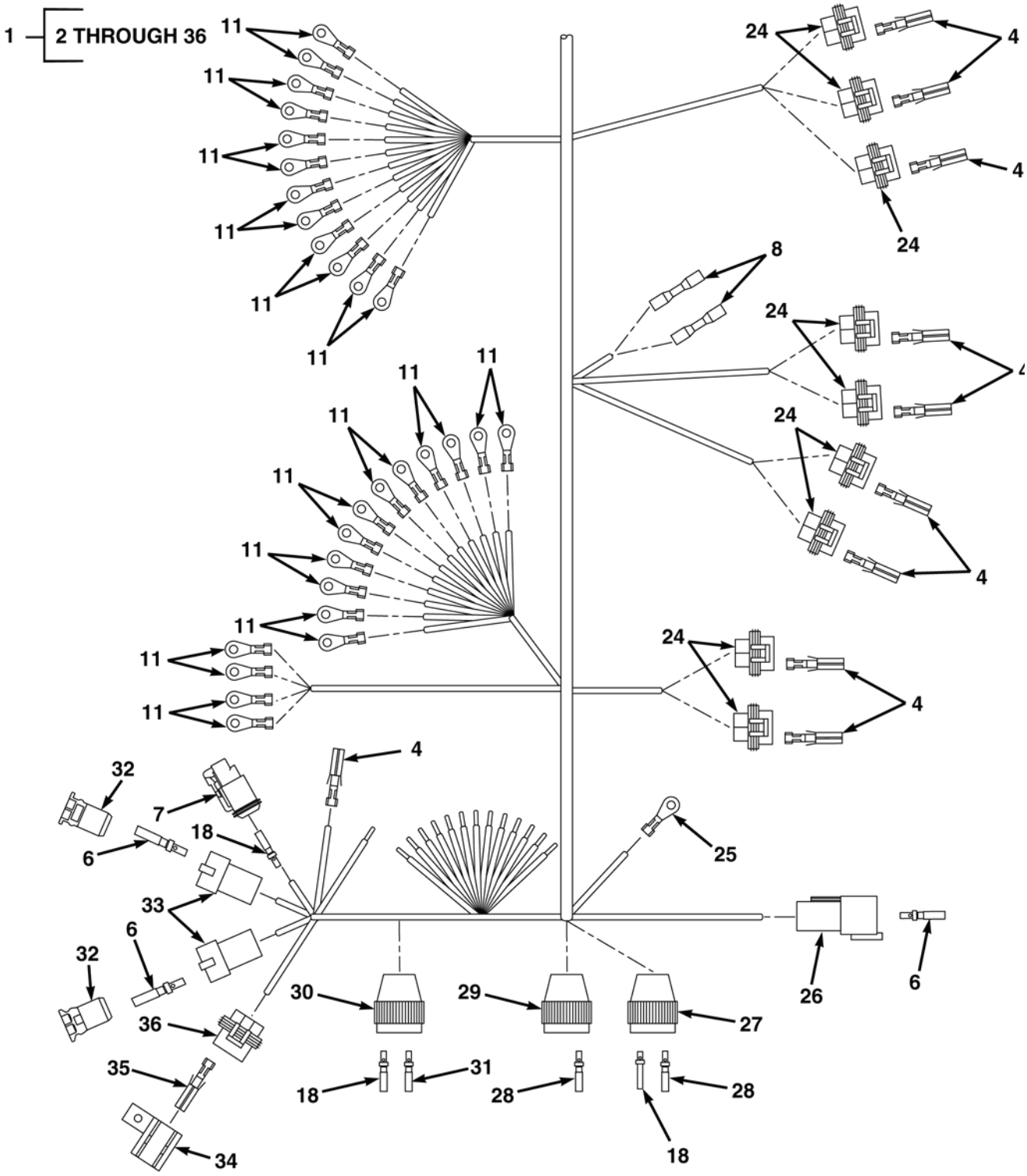


FIG. 96 HARNESS ASSEMBLY, PUMP OPERATOR'S PANEL (1136484) (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 96 HARNESS ASSEMBLY, PUMP OPERATOR'S PANEL (11364884)	
1	PFFFF		04664	1136484-H002	WIRING HARNESS,BRAN	1
2	PAFZZ	5935-01-291-2814	10988	L124720	. CONNECTOR,PLUG	6
3	PAFZZ	5935-01-503-4847	11139	DT04-4P	. CONNECTOR,PLUG,ELEC	2
4	PAFZZ	5999-01-214-9682	45152	1624090	. CONTACT,ELECTRICAL	26
5	PAFZZ	5999-01-319-7394	77060	12089305	. CONTACT,ELECTRICAL	6
6	PAFZZ	5999-01-216-3648	11139	0460-202-16141	. CONTACT,ELECTRICAL #16,PIN	9
7	PAFZZ	5935-01-514-4357	45152	8HE868	. CONNECTOR,PLUG ELECTRICAL . . .	3
8	PAFZZ	5940-01-386-5967	80372	87024A9873	. SPLICE,CONDUCTOR	6
9	PAFZZ	5935-01-308-8599	45152	1788880	. CONNECTOR BODY,PLUG PLUG,ELECTRICAL.	2
10	PAFZZ	5940-01-353-5702	00779	40725	. TERMINAL,LUG.	4
11	PAFZZ	5940-01-353-6473	00779	40723	. TERMINAL,LUG.	48
12	PAFZZ	5940-00-409-6659	77060	2962447	. TERMINAL,QUICK 16-14 GA,FEMALE SLIDE.	2
13	PAFZZ	5940-01-517-6027	00779	521567-2	. TERMINAL,QUICK DISC DISCONNECT	2
14	PAFZZ	5935-01-214-4163	22785	12010973	. CONNECTOR BODY,PLUG PLUG,ELECTRICAL.	2
15	PAFZZ	5999-01-484-6926	00779	40724	. CLIP,ELECTRICAL	1
16	PAFZZ	6685-01-453-5724	16476	0621500	. GAGE,DIFFERENTIAL,D.	1
17	PAFZZ	5935-01-519-0770	11139	W12S-P012	. RETAINER,ELECTRICAL	1
18	PAFZZ	5999-01-203-6687	11139	0462-201-16141	. CONTACT,ELECTRICAL 20-16,SOCKET,#16	38
19	PAFZZ	5935-01-485-4000	45152	9HB991	. CONNECTOR,RECEPTACL	1
20	PAFZZ	5935-01-517-6022	11139	W4S-P012	. RETAINER,ELECTRICAL	1
21	PAFZZ	5935-01-480-9083	45152	5HE459	. CONNECTOR,RECEPTACL 4 WAY . . .	1
22	PAFZZ	5935-01-519-1186	11139	DT06-6S-P012	. CONNECTOR,PLUG,ELEC	1
23	PAFZZ	5999-01-452-9967	00779	171639-1	. CONTACT,ELECTRICAL 20-16 GA,SOCKET	6
24	PAFZZ	5935-01-214-5259	77060	12015792	. CONNECTOR BODY,PLUG.	9
25	PAFZZ	5940-00-114-1315	96906	MS20659-142	. TERMINAL,LUG.	1
26	PAFZZ		11139	DT04-6P-E004	. CONNECTOR,RECEPTACL	1
27	PAFZZ	5935-01-517-8125	11139	HDP26-24-19SN	. CONNECTOR,PLUG,ELEC	2
28	PAFZZ	5999-01-280-1438	12361	7-826-000092	. CONTACT,ELECTRICAL	21
29	PAFZZ	5935-01-517-5354	11139	HDP26-24-16SN	. CONNECTOR,PLUG ELECTRICAL . . .	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
30	PAFZZ	5935-01-519-1190	11139	HDP26-24-23SN	. CONNECTOR,PLUG ELECTRICAL. . . .	1
31	PAFZZ	5935-01-338-3532	64678	12010996	. CONNECTOR,RECEPTACL ELECTRICAL	1
31	PAFZZ	5999-01-372-4955	11139	5962-202-16141	. CONTACT,ELECTRICAL	2
32	PAFZZ	5935-01-503-7348	11139	W4P	. RETAINER,ELECTRICAL.	2
34	PAFZZ	5935-01-337-0288	64678	1208-9272	. DUMMY CONNECTOR RECEPTACLE .	2
35	PAFZZ	5940-01-359-0245	77060	12020157	. TERMINAL,QUICK DISC	4
36	PAFZZ	5935-01-336-7622	77060	12033769	. CONNECTOR BODY,PLUG	2

END OF FIGURE

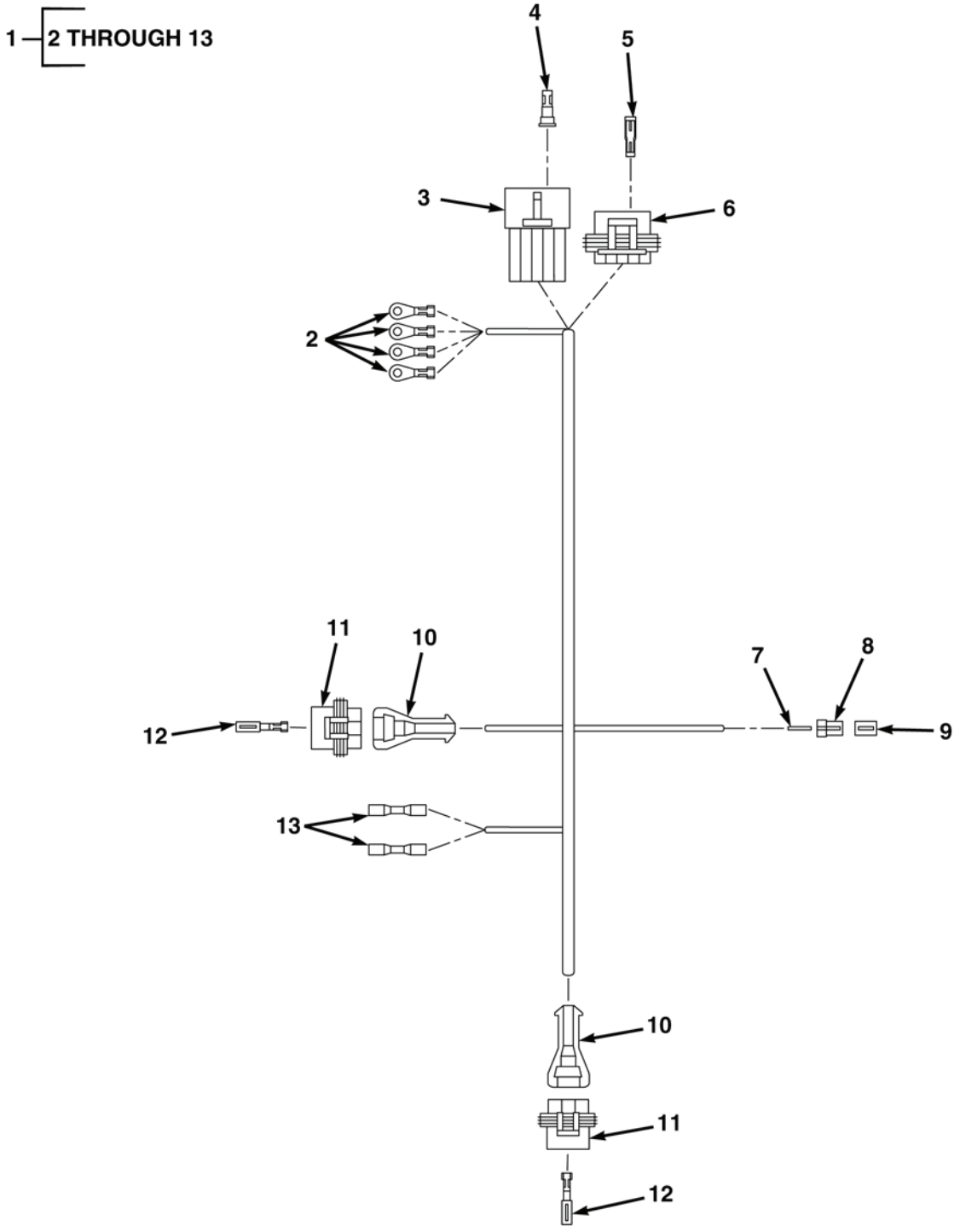


FIG. 97 HARNESS, TFFT REAR BODY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 97 HARNESS, TFFT REAR BODY	
1	PFFFF		04664	1136488-H001	WIRING HARNESS,BRAN REAR BODY	1
2	PAFZZ	5940-01-353-5702	00779	40725	. TERMINAL,LUG.	4
3	PAFZZ	5935-01-515-2028	77060	12186400	. SHELL,ELECTRICAL CO	1
4	PAFZZ	5940-01-340-0586	77060	12040559	. TERMINAL,QUICK DISC	5
5	PAFZZ	5940-01-518-1334	77060	12077412	. TERMINAL,QUICK DISC	4
6	PAFZZ	5935-01-517-6245	77060	12084891	. CONNECTOR ASSEMBLY, ...	1
7	PAFZZ	5995-01-518-1330	77326	52-627	. LEAD SET,ELECTRICAL 16-18,PIN . . .	3
8	PAFZZ	5935-01-517-6605	77326	52-625	. SHELL,ELECTRICAL CONNECTOR. . .	1
9	PAFZZ	5975-01-518-9783	77326	52-626	. CABLE NIPPLE	1
10	PAFZZ	5330-01-517-8549	00779	880811-2	. CAP,SEAL,NONMETALLI	2
11	PAFZZ	5935-01-508-1750	00779	282087-1	. CONNECTOR BODY.	2
12	PAFZZ	5999-15-174-6551	A1631	183025-1	. CONTACT,ELECTRICAL	4
13	PAFZZ	5940-01-386-5967	80372	87024A9873	. SPLICE,CONDUCTOR	2
					END OF FIGURE	

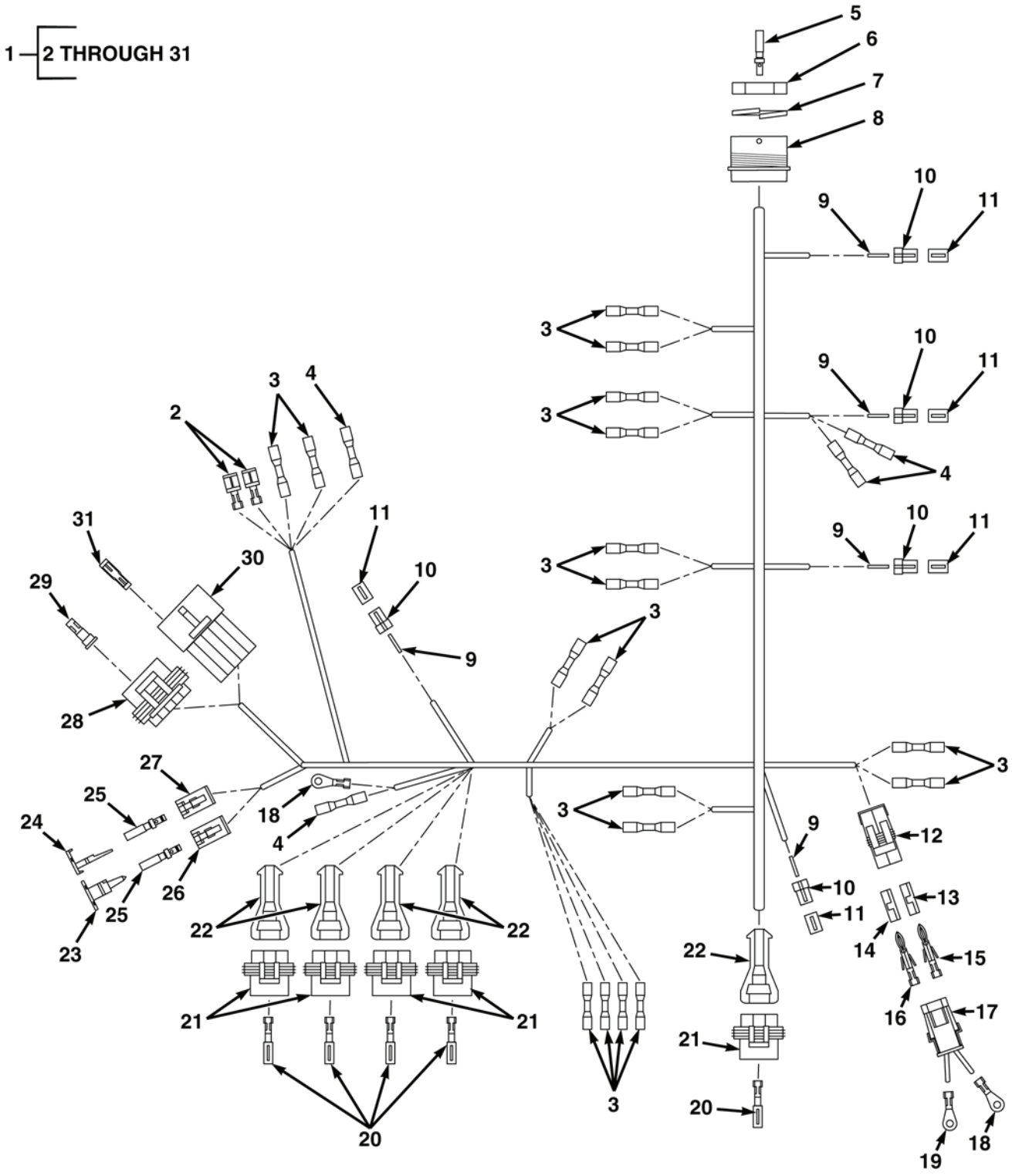


FIG. 98 HARNESS, TFFT PS BODY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 98 HARNESS, TFFT PS BODY	
1	PFFFF		04664	1136487-H001	WIRING HARNESS,BRAN RH BODY . . .	1
2	PAFZZ	5940-00-874-9033	45152	1884550	. TERMINAL,QUICK DISC	2
3	PAFZZ	5940-01-386-5967	80372	87024A9873	. SPLICE,CONDUCTOR	16
4	PAFZZ	5940-01-309-6313	06090	D-406-0003	. SPLICE,CONDUCTOR	2
5	PAFZZ	5999-01-286-5843	12361	7-689-000797	. CONTACT,ELECTRICAL 14-12,PIN . . .	15
6	PAFZZ	5935-01-517-8144	11139	2411-0001-2405	. NUT,COUPLING,ELECTR	1
7	PAFZZ	5310-01-081-0799	11139	112264	. WASHER,LOCK.	1
8	PAFZZ	5935-01-517-8129	11139	HDP24-24-16PN	. CONNECTOR RECEPTACLE	1
9	PAFZZ	5995-01-518-1330	77326	52-627	. LEAD SET,ELECTRICAL 16-18,PIN . . .	15
10	PAFZZ	5935-01-517-6605	77326	52-625	. SHELL,ELECTRICAL CONNECTOR. . .	5
11	PAFZZ	5975-01-518-9783	77326	52-626	. CABLE NIPPLE	5
12	PAFZZ	5935-01-214-5259	77060	12015792	. CONNECTOR BODY,PLUG.	1
13	PAFZZ	5940-01-396-9499	1JB11	12124581	. TERMINAL,QUICK DISC	1
14	PAFZZ	5999-01-422-9740	19207	12420936	. CONTACT,ELECTRICAL 16-14 GA,FEMALE	1
15	PAFZZ	5940-01-336-7095	77060	1212-4587	. TERMINAL,TAPER RECE	1
16	PAFZZ	5999-01-406-4110	77060	12124582	. CONTACT,ELECTRICAL 16-14 GA,MALE	1
17	PAFZZ	5935-01-214-4163	22785	12010973	. CONNECTOR BODY,PLUG PLUG,ELECTRICAL.	1
18	PAFZZ	5940-01-341-7689	77060	12004436	. TERMINAL,LUG.	1
19	PAFZZ	5940-01-353-5702	00779	40725	. TERMINAL,LUG.	1
20	PAFZZ	5999-15-174-6551	A1631	183025-1	. CONTACT,ELECTRICAL	10
21	PAFZZ	5935-01-508-1750	00779	282087-1	. CONNECTOR BODY	5
22	PAFZZ	5330-01-517-8549	00779	880811-2	. CAP,SEAL,NONMETALLI	5
23	PAFZZ	5935-01-517-6022	11139	W4S-P012	. RETAINER,ELECTRICAL	1
24	PAFZZ	5342-01-480-0358	45152	7HE956	. WEDGE,PLUG LOCK	1
25	PAFZZ	5999-01-372-4955	11139	5962-202-16141	. CONTACT,ELECTRICAL 16-14,SOCKET,#16	6
26	PAFZZ	5935-01-480-9083	45152	5HE459	. CONNECTOR,RECEPTACL 4 WAY . . .	1
27	PAFZZ	5935-01-514-4357	45152	8HE868	. CONNECTOR,PLUG	1
28	PAFZZ	5935-01-517-6245	77060	12084891	. CONNECTOR ASSEMBLY, ...	1
29	PAFZZ	5940-01-340-0586	77060	12040559	. TERMINAL,QUICK DISC	4

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
30	PAFZZ	5935-01-515-2028	77060	12186400	. SHELL,ELECTRICAL CO.	1
31	PAFZZ	5940-01-518-1334	77060	12077412	. TERMINAL,QUICK DISC	3

END OF FIGURE

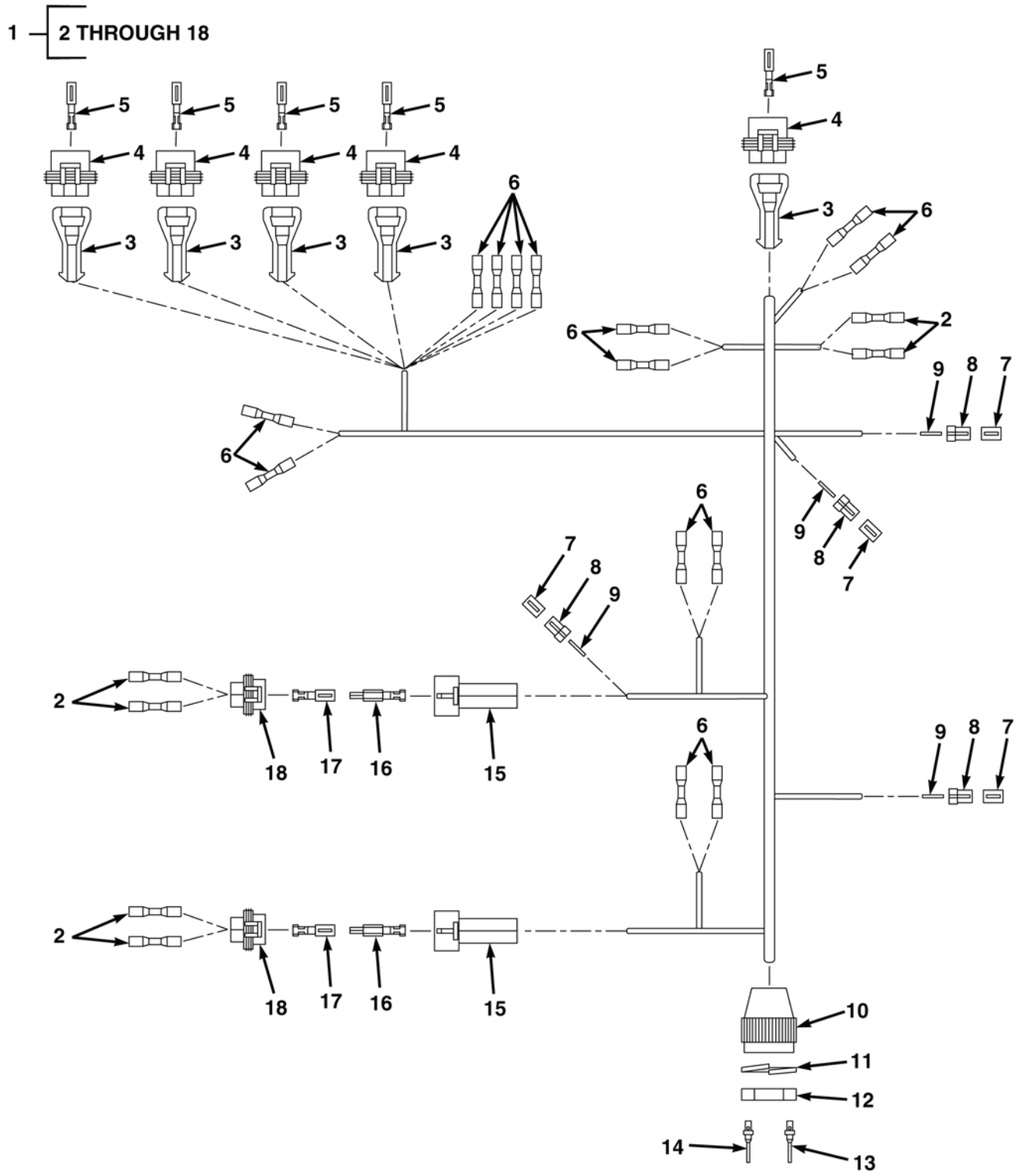


FIG. 99 HARNESS, TFFT DS BODY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 99 HARNESS, TFFT DS BODY	
1	PFFFF		04664	1136486-H002	WIRING HARNESS,BRAN LH BODY . . .	1
2	PAFZZ	5940-01-309-6313	06090	D-406-0003	. SPLICE,CONDUCTOR	5
3	PAFZZ	5330-01-517-8549	00779	880811-2	. CAP,SEAL,NONMETALLI	6
4	PAFZZ	5935-01-508-1750	00779	282087-1	. CONNECTOR BODY.	6
5	PAFZZ	5999-15-174-6551	A1631	183025-1	. CONTACT,ELECTRICAL	10
6	PAFZZ	5940-01-386-5967	80372	87024A9873	. SPLICE,CONDUCTOR	14
7	PAFZZ	5975-01-518-9783	77326	52-626	. CABLE NIPPLE	4
8	PAFZZ	5935-01-517-6605	77326	52-625	. SHELL,ELECTRICAL CONNECTOR. . .	4
9	PAFZZ	5995-01-518-1330	77326	52-627	. LEAD SET,ELECTRICAL 16-18,PIN . . .	11
10	PAFZZ	5935-01-517-8130	11139	HDP24-24-19PN	. CONNECTOR RECEPTACLE	1
11	PAFZZ	5310-01-081-0799	11139	112264	. WASHER,LOCK.	1
12	PAFZZ	5310-01-086-7726	11139	112263-90	. NUT,PLAIN,HEXAGON	4
13	PAFZZ	5999-01-286-5843	12361	7-689-000797	. CONTACT,ELECTRICAL 14-12,PIN . . .	6
14	PAFZZ	5999-01-373-4494	11139	0460-215-16141	. CONTACT,ELECTRICAL	1
15	PAFZZ	5935-01-517-6239	77060	12065863	. CONNECTOR ASSEMBLY, ...	2
16	PAFZZ	5999-01-518-0236	77060	12052172	. CONTACT,ELECTRICAL	4
17	PAFZZ	5999-01-518-0181	77060	12052139	. CONTACT,ELECTRICAL	4
18	PAFZZ	5935-01-336-9923	64678	12052613	. CONNECTOR BODY,PLUG.	2
					END OF FIGURE	

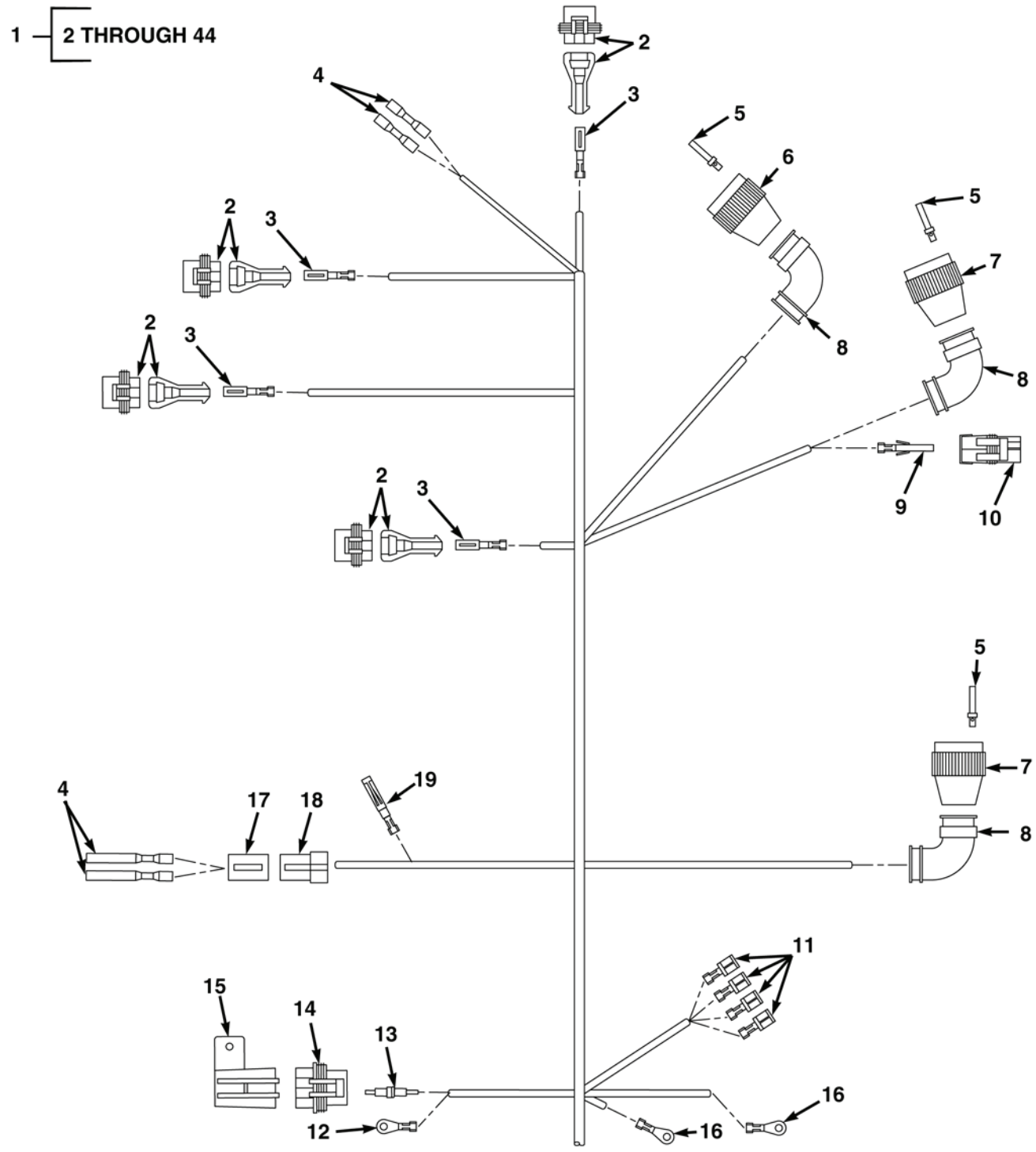


FIG. 100 HARNESS ASSEMBLY, MAIN (1136483) (SHEET 1 OF 2)

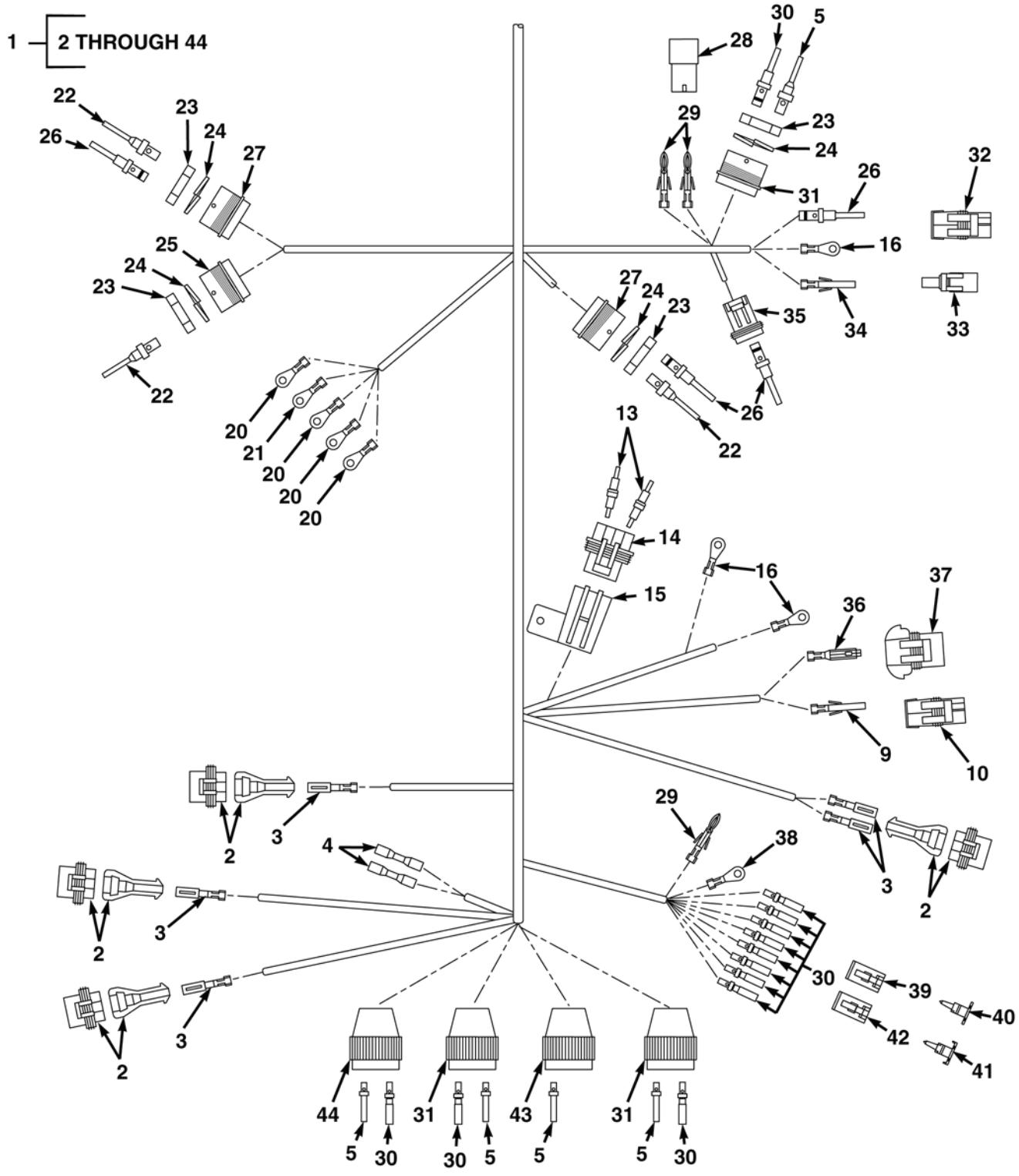


FIG. 100 HARNESS ASSEMBLY, MAIN (1136483) (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 100 HARNESS ASSEMBLY, MAIN (1136483)	
1	PFFFZ	6150-01-517-9354	04664	1136483-H002	WIRING HARNESS,BRAN	1
2	PAFZZ	5935-01-508-1750	00779	282087-1	. CONNECTOR BODY.	8
3	PAFZZ	5999-15-174-6551	A1631	183025-1	. CONTACT,ELECTRICAL	18
4	PAFZZ	5940-01-386-5967	80372	87024A9873	. SPLICE,CONDUCTOR	6
5	PAFZZ	5999-01-280-1438	12361	7-826-000092	. CONTACT,ELECTRICAL	78
6	PAFZZ		11139	HDP26-24-19SN-L017	. SHELL,ELECTRICAL CO	1
7	PAFZZ		11139	HDP26-24-16SN-L017	. SHELL,CONNECTOR,ELE	2
8	PAFZZ	5935-01-517-5359	11139	2428-004-2405	. BACKSHELL,ELECTRICA.	3
9	PAFZZ	5999-01-214-9682	45152	1624090	. CONTACT,ELECTRICAL	4
10	PAFZZ	5935-01-214-5259	77060	12015792	. CONNECTOR BODY,PLUG.	3
11	PAFZZ	5940-00-874-9033	45152	1884550	. TERMINAL,QUICK DISC	4
12	PAFZZ	5940-00-113-9820	81343	MS20659-128	. TERMINAL,LUG.	1
13	PAFZZ	5920-00-090-8396	19200	11746479	. FUSEHOLDER INLINE	2
14	PAFZZ	5935-01-336-7622	77060	1203 3769	. CONNECTOR BODY.	2
15	PAFZZ	5935-01-337-0288	64678	1208-9272	. DUMMY CONNECTOR RECEPTACLE.	2
16	PAFZZ	5940-01-353-5702	00779	40725	. TERMINAL,LUG.	5
17	PAFZZ	5975-01-518-9783	77326	52-626	. CABLE NIPPLE ELECTRICAL	1
18	PAFZZ	5935-01-517-6605	77326	52-625	. SHELL,ELECTRICAL CONNECTOR. . .	1
19	PAFZZ	5999-01-518-0169	00779	770520-3	. CONTACT,ELECTRICAL	3
20	PAFZZ	5940-01-517-3322	00779	B106-1992	. TERMINAL,LUG.	4
22	PAFZZ	5999-01-286-5843	12361	7-689-000797	. CONTACT,ELECTRICAL 14-12,PIN . . .	25
23	PAFZZ	5935-01-517-8144	11139	2411-0001-2405	. NUT,COUPLING,ELECTR	4
24	PAFZZ	5310-01-081-0799	11139	112264	. WASHER,LOCK.	3
25	PAFZZ	5935-01-517-8129	11139	HDP24-24-16PN	. CONNECTOR RECEPTACLE	1
26	PAFZZ	5999-01-216-3648	11139	0460-202-16141	. CONTACT,ELECTRICAL #16,PIN	28
27	PAFZZ	5935-01-517-8130	11139	HDP24-24-19PN	. CONNECTOR RECEPTACLE	3
28	PAFZZ	5935-01-214-4163	22785	12010973	. CONNECTOR BODY,PLUG.	1
29	PAFZZ	5999-01-319-7394	77060	12089305	. CONTACT,ELECTRICAL	3
30	PAFZZ	5999-01-203-6687	11139	0462-201-16141	. CONTACT,ELECTRICAL 20-16,SOCKET,#16	55
31	PAFZZ	5935-01-517-8125	11139	HDP26-24-19SN	. CONNECTOR,PLUG,ELEC	2
32	PAFZZ	5935-01-517-5354	11139	HDP26-24-16SN	. CONNECTOR,PLUG ELECTRICAL . . .	1
32	PAFZZ	5935-01-559-0546	11139	DT04-8PA-E004	. CONNECTOR BODY,PLUG.	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
33	PAFZZ	5935-01-291-2814	10988	L124720	. CONNECTOR,PLUG ELECTRICAL. . . .	1
33	PAFZZ	5935-01-519-0770	11139	W12S-P012	. RETAINER,ELECTRICAL.	1
34	PAFZZ	5940-01-446-7607	77060	1207 7413	. TERMINAL,QUICK 12 GA,FEMALE . . .	1
35	PAFZZ	5935-01-480-9083	45152	5HE459	. CONNECTOR,RECEPTACL 4 WAY . . .	1
36	PAFZZ	5940-01-518-1334	77060	12077412	. TERMINAL,QUICK DISC	2
37	PAFZZ	5935-01-308-7866	77060	15300027	. CONNECTOR BODY	1
38	PAFZZ	5940-01-353-6473	00779	40723	. TERMINAL,LUG	1
39	PAFZZ	5935-01-480-9083	45152	5HE459	. CONNECTOR,RECEPTACL 4 WAY . . .	2
40	PAFZZ	5935-01-483-0852	11139	W4S	. CONNECTOR,RECEPTACL	1
41	PAFZZ	5935-01-519-0770	11139	W12S-P012	. RETAINER,ELECTRICAL.	1
42	PAFZZ	5935-01-485-4000	45152	9HB991	. CONNECTOR,RECEPTACL	1
44	PAFZZ	5935-01-517-5349	11139	HDP26-24-21SN	. CONNECTOR,PLUG ELECTRICAL. . . .	1

END OF FIGURE

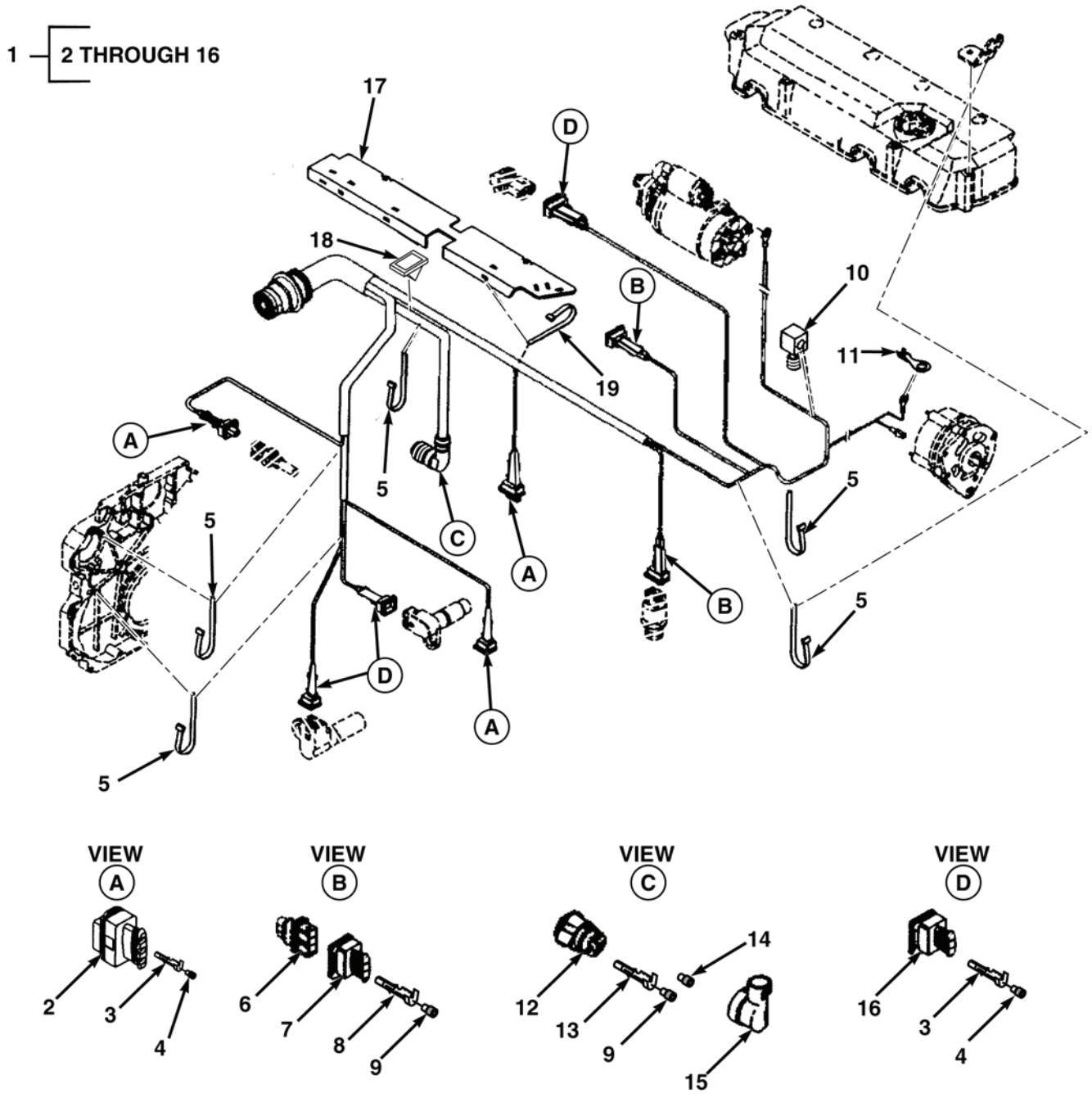


FIG. 101 HARNESS, ENGINE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 101 HARNESS, ENGINE	
1	PAFFF		D2689	04213064	HARNESS,ENGINE	1
2	PAFZZ		D2689	04199973	. CONNECTOR,PLUG	2
3	PAFZZ		D2689	04190848	. TERMINAL,FEMALE	4
4	PAFZZ		D2689	04190851	. PLUG END,CONNECTOR	7
5	PAFZZ	5340-12-346-0167	D2689	0117 6435	. BAND,RETAINING	6
6	PAFZZ		D2689	04400685	. HOUSING,PLUG	1
7	PAFZZ		D2689	04194629	. HOUSING,CONNECTOR	1
8	PAFZZ		D2689	04190852	. TERMINAL,FEMALE	3
9	PAFZZ		D2689	04190853	. PLUG,END CONNECTOR	5
10	PFFZZ		D2689	04199769	. BRACKET,ELECTRICAL	3
11	PAFZZ		D2689	01143324	. LUG,CABLE	1
12	PAFZZ		D2689	04199563	. HOUSING,RECEPTACLE	1
13	PAFZZ		D2689	04199565	. TERMINAL	5
14	PAFZZ		D2689	04190860	. PLUG,BLANK	4
15	PAFZZ		D2689	04199599	. SHELL,ELECTRICAL CONNECTOR	1
16	PAFZZ		D2689	04194932	. HOUSING,ELECTRICAL	1
17	PAFZZ		D2689	04199252	PLATE,COVER	1
18	PAFZZ		D2689	04194944	CLAMP,CABLE	2
19	PAFZZ		D2689	01080571	BAND,CLAMPING	7
					END OF FIGURE	

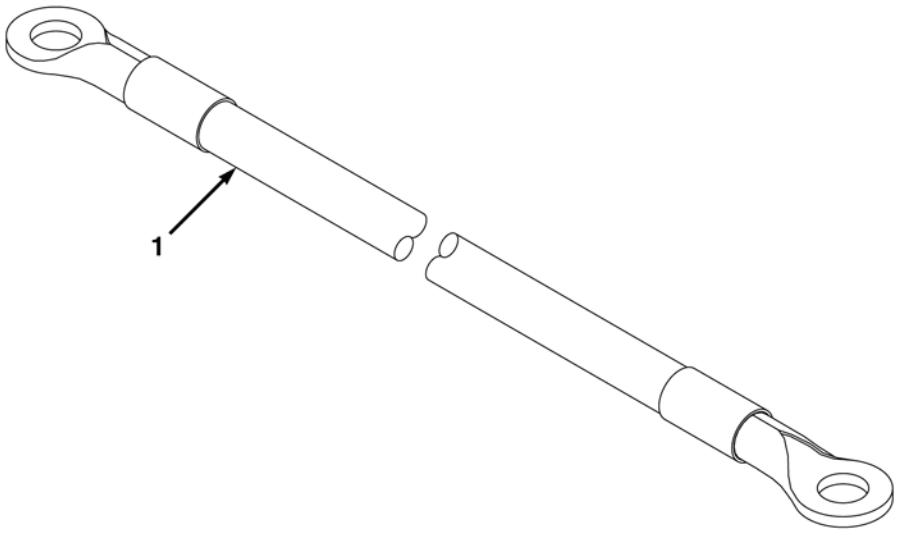


FIG. 102 CABLE ASSEMBLY (1296580)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 102 CABLE ASSEMBLY (1296580)	
1	PAFZZ	6150-01-517-7804	04664	1296580	CABLE ASSEMBLY	1
					END OF FIGURE	

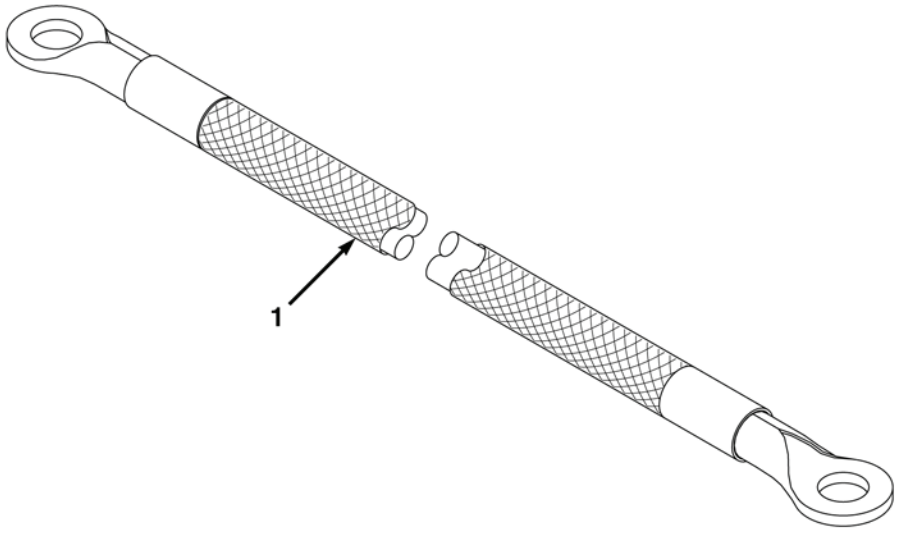


FIG. 103 CABLE ASSEMBLY (1224690)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 103 CABLE ASSEMBLY (1224690)	
1	PFFZZ	6150-01-517-8123	04664	1224690	CABLE ASSEMBLY,SPEC	1
					END OF FIGURE	

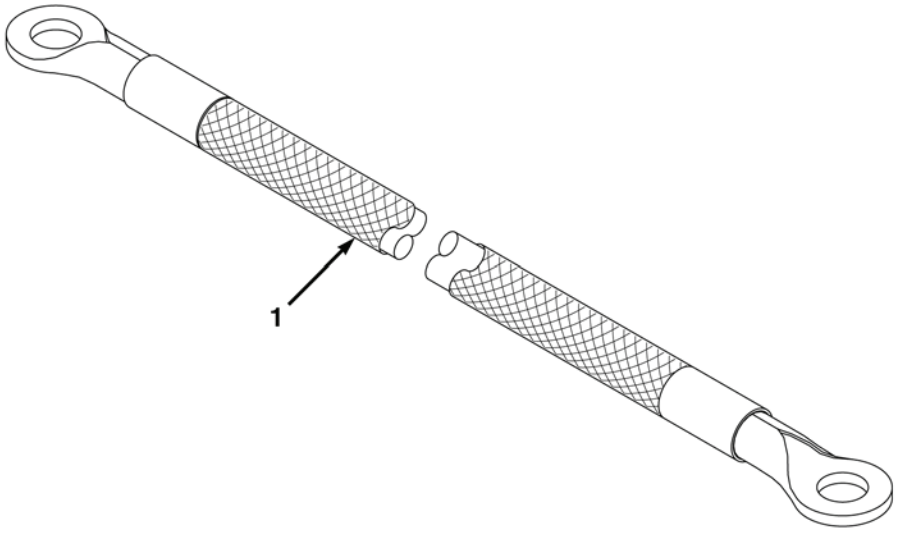


FIG. 104 CABLE ASSEMBLY (60-4111)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 104 CABLE ASSEMBLY (60-4111)	
1	PFFZZ	5995-01-518-2816	04664	60-4111	CABLE ASSEMBLY,SPEC	1
					END OF FIGURE	

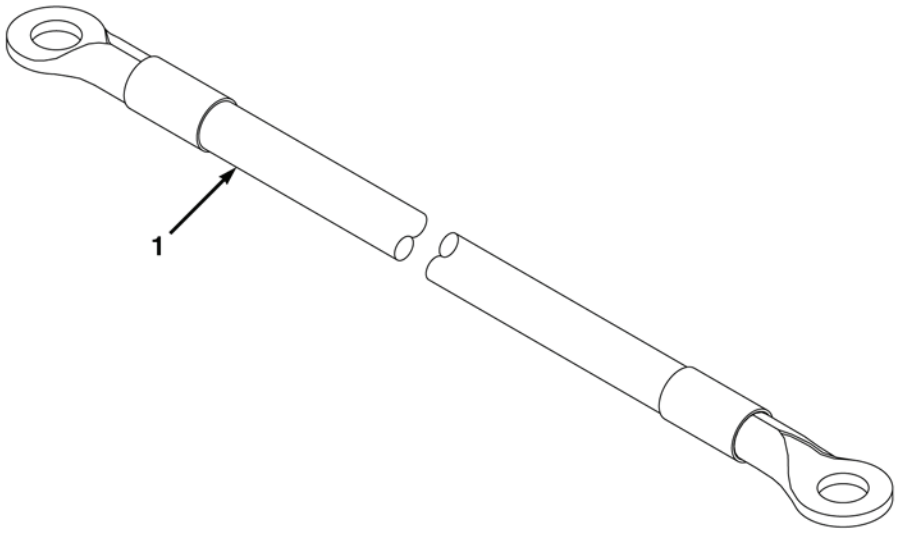


FIG. 105 CABLE ASSEMBLY (1224983)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 105 CABLE ASSEMBLY (1224983)	
1	PFFZZ	6150-01-517-9266	04664	1224983	CABLE ASSEMBLY,SPEC	1
					END OF FIGURE	

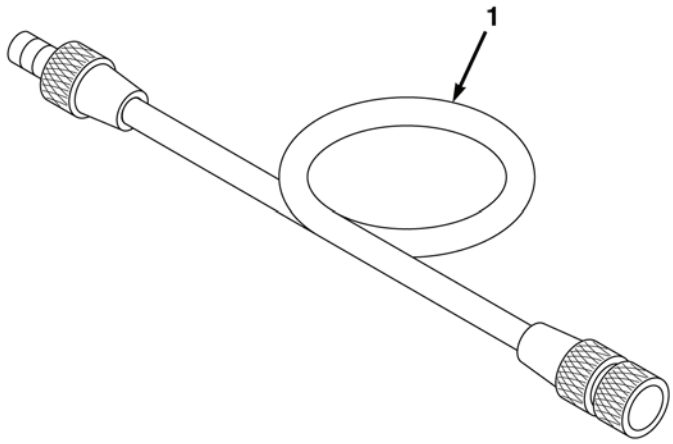


FIG. 106 CABLE ASSEMBLY, CONTROL VALVE (1198149)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7626 MISCELLANEOUS ELECTRICAL	
					FIG. 106 CABLE ASSEMBLY, CONTROL VALVE (1198149)	
1	PFFZZ	6150-01-517-9276	04664	1198149-0004	CABLE ASSEMBLY,SPEC	1
					END OF FIGURE	

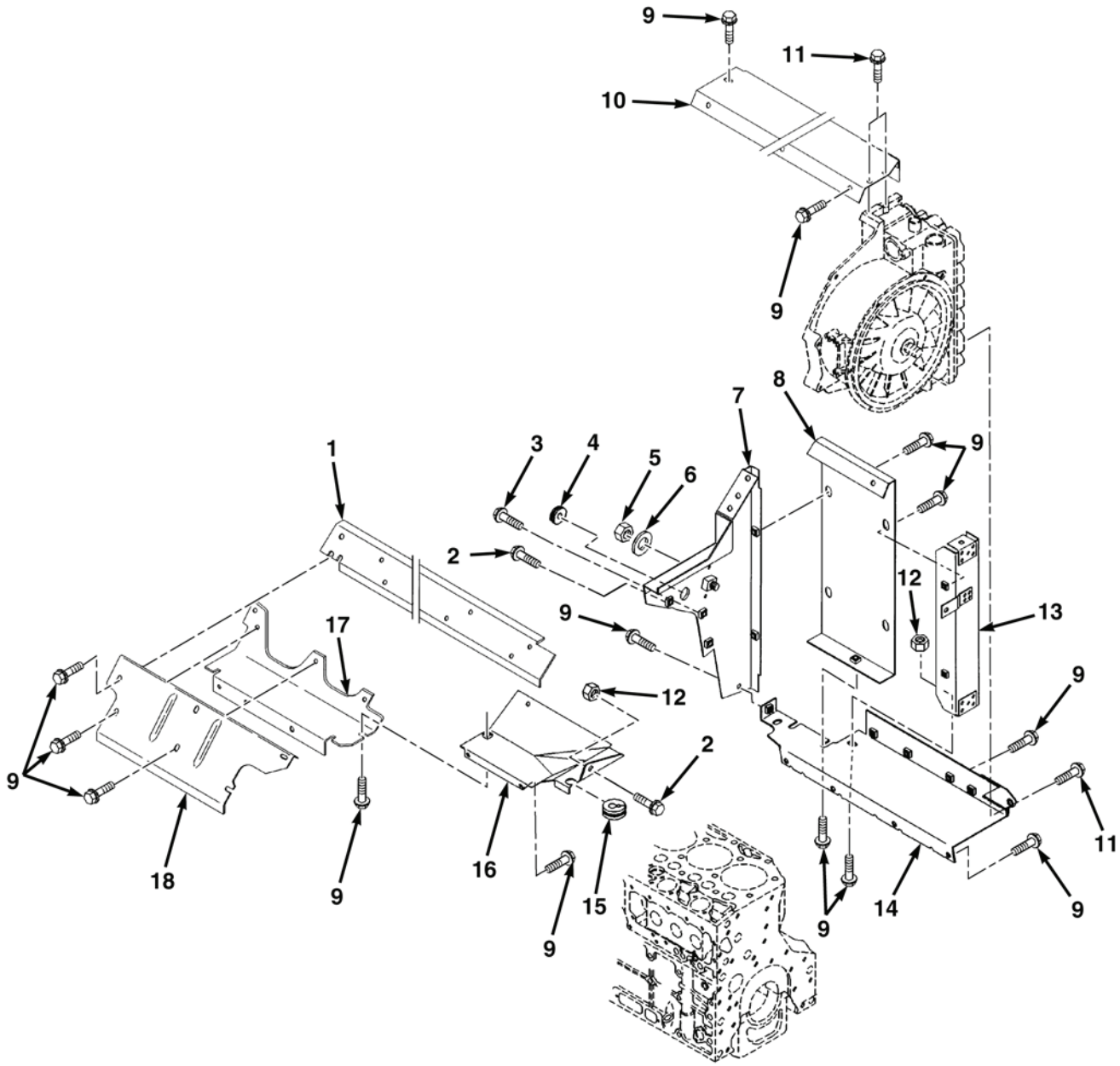


FIG. 107 RADIATOR MOUNTING

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7629 AUXILIARY ENGINE COOLING ASSEMBLY	
					FIG. 107 RADIATOR MOUNTING	
1	PFFZZ		D2689	0425 1000	PLATE,CONNECTING	1
2	PAFZZ	5306-12-361-9464	D2689	0118 1416	BOLT,MACHINE	3
3	PAFZZ	5306-12-362-5817	I9005	EN1662-M8X30-F-10.9	BOLT,MACHINE	1
4	PAFZZ	5325-12-167-0708	D2689	0116 3944	GROMMET,NONMETALLIC	1
5	PAFZZ	5310-12-362-5683	D2689	0111 2856	NUT,PLAIN,HEXAGON	1
6	PAFZZ	5310-12-362-5176	D2689	0110 7111	WASHER,FLAT	1
7	PFFZZ		D2689	0425 1004	PLATE,END,RADIATOR	1
8	PFFZZ	5340-12-362-6919	D2689	0420 3803	BRACKET,MOUNTING	1
9	PAFZZ	5306-12-361-9460	I9005	EN1662-M8X12-F-10.9-A2P	BOLT,MACHINE	29
10	PFFZZ		D2689	0425 9559	SHIELD,RADIATOR	1
11	PAFZZ	5306-12-361-0975	D2689	0118 1433	BOLT,MACHINE	3
12	PAFZZ	5310-12-346-0168	I9008	ISO4032-M8-8	NUT,PLAIN,HEXAGON	2
13	PFFZZ	5340-12-362-6918	D2689	0425 1529	BRACKET,MOUNTING	1
14	PFFZZ		D2689	0425 9562	BASE,RADIATOR	1
15	PAFZZ	5325-12-362-4932	D2689	0419 9317	GROMMET,NONMETALLIC	1
16	PFFZZ		D2689	0420 9998	BAFFLE,AIR	1
17	PFFZZ		D2689	0425 1744	PLATE,SUPPORT,RADIA	1
18	PFFZZ		D2689	0425 1614	COVER,RADIATOR	1
					END OF FIGURE	

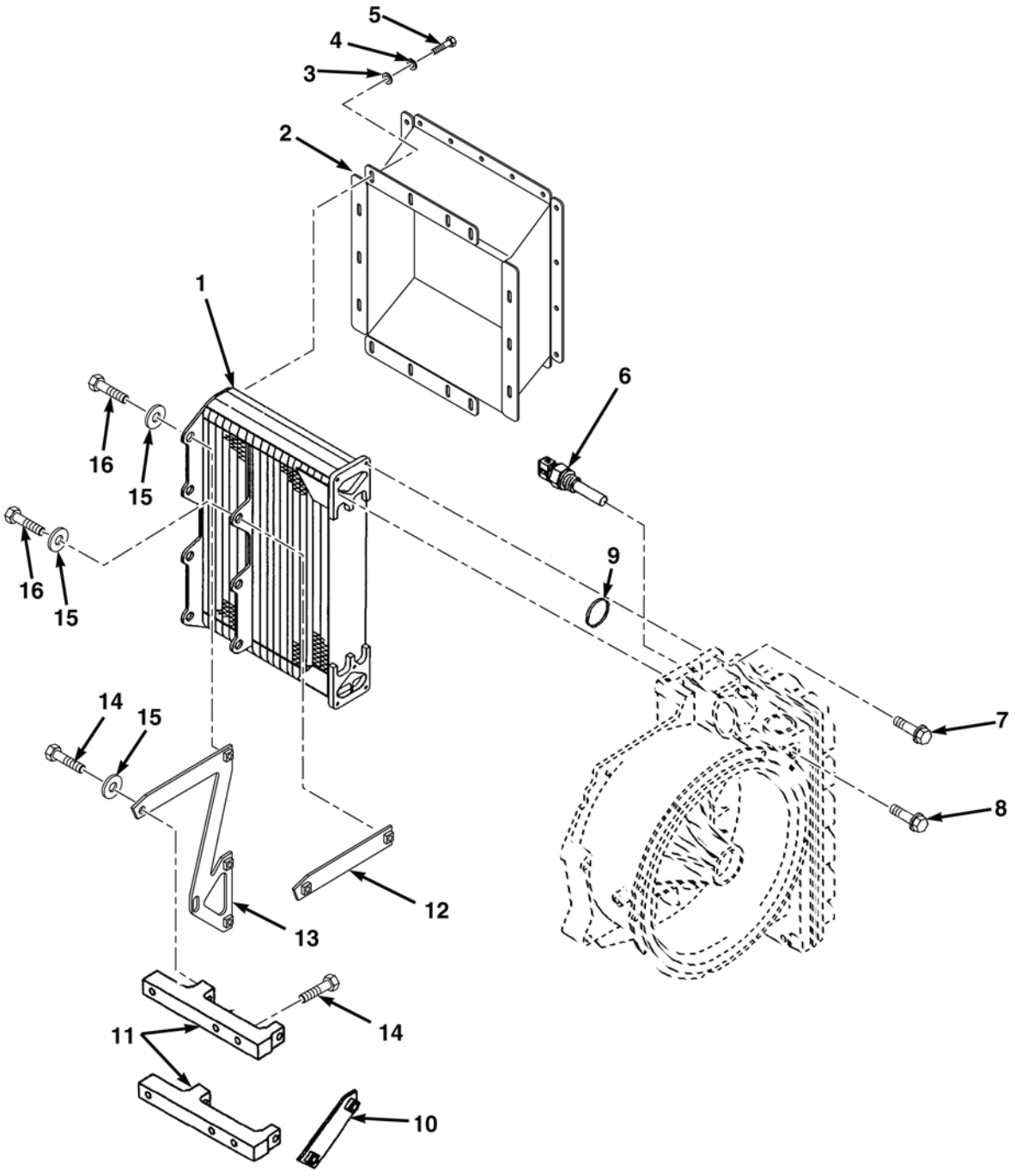


FIG. 108 RADIATOR ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7629 AUXILIARY ENGINE COOLING ASSEMBLY	
					FIG. 108 RADIATOR ASSEMBLY	
1	PAFZZ	2930-12-362-5263	D2689	0425 9462	RADIATOR,ENGINE COO	1
2	PAFZZ		04664	1336220	DUCT ASSEMBLY,AIR	1
3	PAFZZ	5310-01-466-2747	39428	93475A250	WASHER,FLAT	14
4	PAFZZ	5310-01-505-3798	0Y3H3	ML6380000A40000	WASHER,LOCK	14
5	PAFZZ	5305-01-517-3729	0Y3H3	M82580012A20000	SCREW,CAP,HEXAGON 8.0 MM X 12.0 MM	14
6	PAFZZ	6685-12-363-1598	D2689	0419 9382	TRANSMITTER,TEMPERA	1
7	PAFZZ	5306-12-362-5820	I9006	EN1662-M6X30-F-10.9	BOLT,MACHINE	4
8	PAFZZ	5306-12-361-9477	I9006	EN1662-M6X90-F-10.9	BOLT,MACHINE	4
9	PAFZZ	5331-12-362-7397	D2689	0420 1463	O-RING	2
10	PAFZZ		D2689	0420 3794	PLATE,CONNECTING	1
11	PFFZZ		D2689	0420 7365	BRACKET	2
12	PAFZZ		F5878	0420 5823	PLATE,CONNECTING	1
13	PAFZZ		F5878	0420 5392	SUPPORT	2
14	PAFZZ	5306-12-361-9468	I9006	EN1662-M8X35-F-10.9-A2P	BOLT,MACHINE	5
15	PAFZZ	5310-12-143-1138	D8286	8,4DIN7349-ST-A3	WASHER,FLAT	6
16	PAFZZ	5305-14-515-2708	F5878	0114 3369	SCREW	3
					END OF FIGURE	

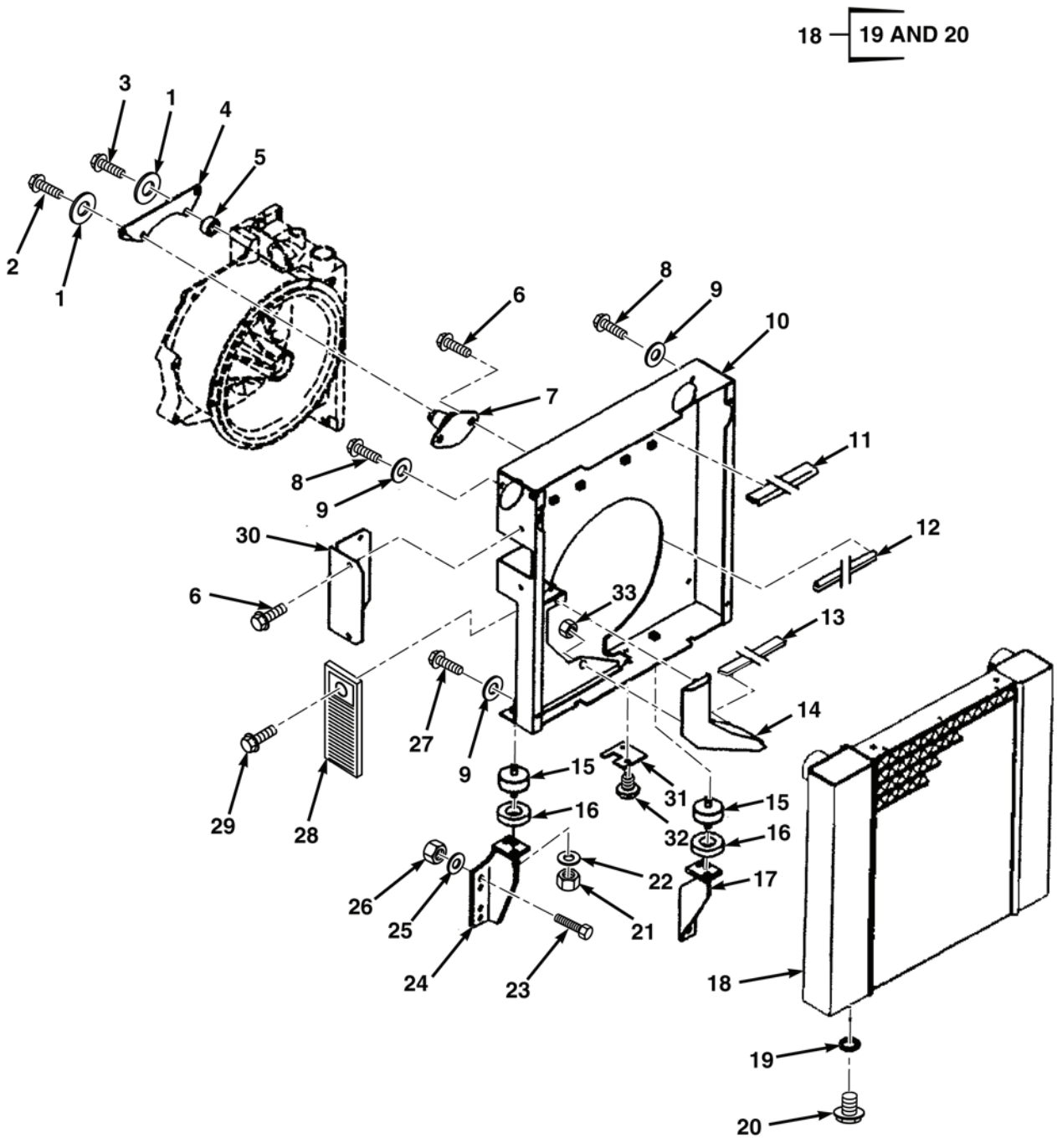


FIG. 109 COOLER ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7629 AUXILIARY ENGINE COOLING ASSEMBLY	
					FIG. 109 COOLER ASSEMBLY	
1	PAFZZ		D2689	01144511	WASHER,PLAIN	2
2	PAFZZ	5306-12-362-5816	I9005	EN1662-M10X20-F10.9-A3P	BOLT,MACHINE	2
3	PAFZZ		D2689	01179592	BOLT,HEX	2
4	PAFZZ		D2689	04251599	PLATE,RETAINING	1
5	PAFZZ		D2689	03360758	SPACER,SLEEVE	2
6	PAFZZ	5306-12-361-9460	I9005	EN1662-M8X12-F-10.9-A2P	BOLT,MACHINE	8
7	PAFZZ		D2689	04251653	MOUNT,RESILENT	2
8	PAFZZ		D2689	01143370	BOLT,HEX	3
9	PAFZZ		D2689	04172492	WASHER,PLAIN	4
10	PAFZZ		D2689	04251621	SHROUD,COOLING	1
11	PAFZZ		D2689	01404897	STRIP,CEILING	1
12	PAFZZ		D2689	01404898	STRIP,CEILING	1
13	PAFZZ		D2689	01404903	STRIP,CEILING	1
14	PFFZZ		D2689	04251661	PLATE,COVER	1
15	PAFZZ		D2689	01181044	MOUNT,RESILENT	2
16	PAFZZ		D2689	02162026	WASHER,PLAIN	2
17	PFFZZ		D2689	04255636	BRACKET	1
18	PAFZZ		D2689	04251611	COOLER,CHARGE AIR	1
19	PAFZZ		D2689	01118646	. RING,SEALING	1
20	PAFZZ		D2689	01136503	. BOLT,HEX	1
21	PAFZZ	5310-12-167-7147	D8286	DIN934-M10-8-A2C	NUT,PLAIN,HEXAGON	2
22	PAFZZ		D2689	01102168	WASHER,PLAIN	2
23	PAFZZ		D2689	01103341	BOLT,HEX	4
24	PFFZZ		D2689	04251605	BRACKET	1
25	PAFZZ		D2689	01107552	WASHER,PLAIN	4
26	PAFZZ	5310-12-124-3887	D8286	DIN934-M12-8	NUT,PLAIN,HEXAGON	4
27	PAFZZ	5306-01-545-5168	62445	0118 1435	BOLT,MACHINE	4
28	PAFZZ		D2689	04251743	SEAL,RUBBER	1
29	PAFZZ	5306-12-361-9458	D2689	0118 1436	BOLT,MACHINE	1
30	PFFZZ		D2689	04251600	COVER	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
31	PAFZZ		D2689	04251607	SEAL,RUBBER	1
32	PAFZZ		D2689	0117 7491	BUTTON,FASTENER	2
33	PAFZZ		D2689	07107784	NUT,HEX	2

END OF FIGURE

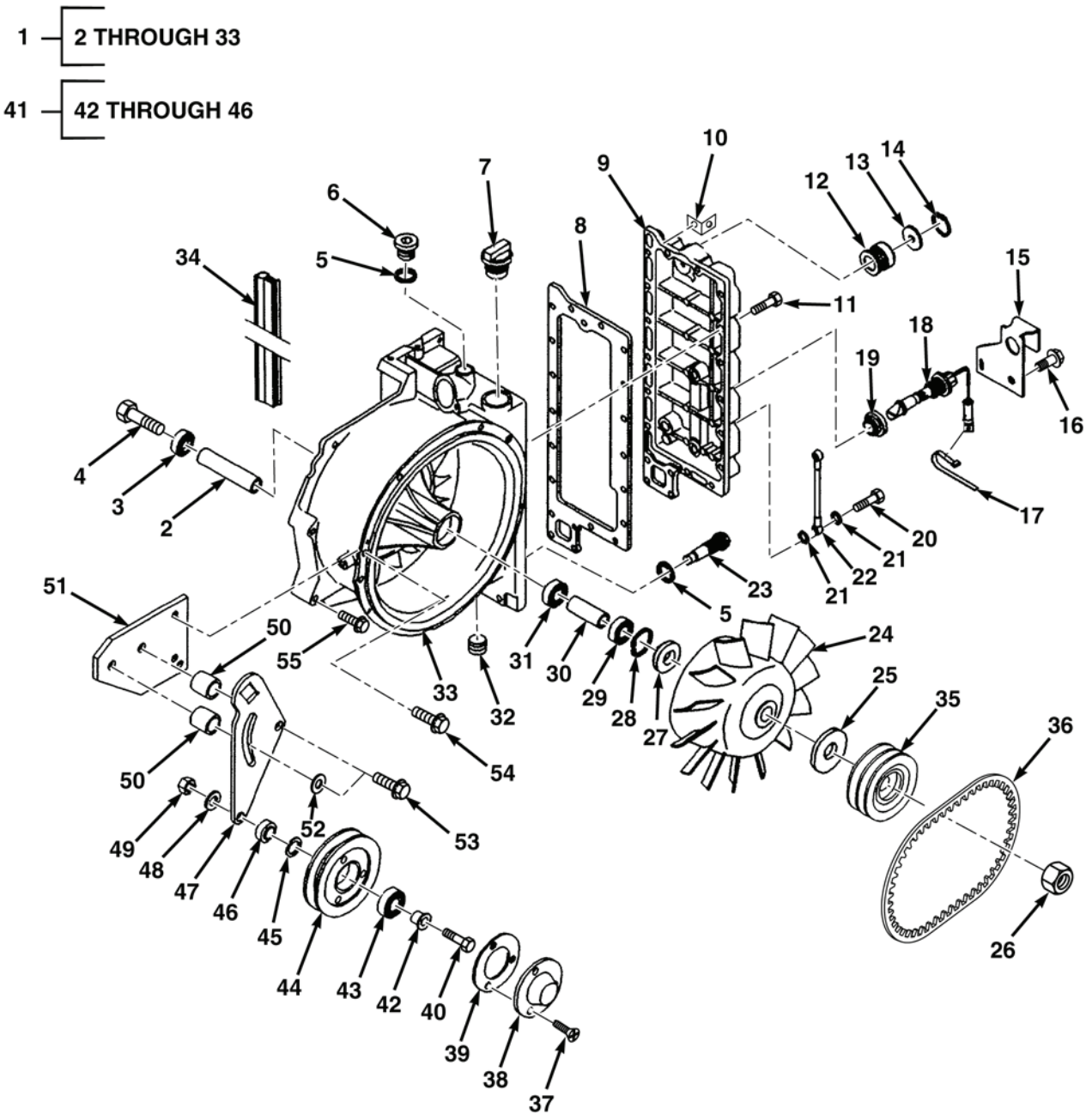


FIG. 110 COOLING FAN

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7629 AUXILIARY ENGINE COOLING ASSEMBLY	
					FIG. 110 COOLING FAN	
1	PAFFF		D2689	04251733	FAN,COOLING	1
2	PAFZZ		D2689	04203318	. SHAFT,HOLLOW	1
3	PAFZZ		D2689	04202181	. WASHER,PLAIN	1
4	PAFZZ		D2689	01143505	. BOLT,HEX	1
5	PAFZZ	5330-12-124-0978	D8286	DIN7603-A20X24-A	. GASKET	2
6	PAFZZ	5365-12-162-9671	D8286	DIN908-M20X1,5-S	. PLUG,MACHINE THREAD	1
7	PAFZZ	2930-12-362-5264	D2689	0425 1785	. CAP,FILLER OPENING	1
8	PAFZZ		D2689	04202180	. GASKET	1
9	PAFZZ		D2689	04202686	. COVER,FLUID	1
10	PFFZZ		D2689	04199177	. BRACKET	2
11	PAFZZ		D2689	01180272	. BOLT,HEX	20
12	PAFZZ		D2689	04202004	. VALVE,PRESSURE CONTROL	1
13	PAFZZ		D2689	04202127	. WASHER,PLAIN	1
14	PAFZZ		D2689	01107830	. SNAPRING	1
15	PFFZZ	5340-12-362-4935	D2689	0425 3636	. BRACKET,MOUNTING	1
16	PAFZZ	5306-12-361-9458	D2689	0118 1436	. BOLT,MACHINE	1
17	PAFZZ	5975-00-570-9598	96906	MS3367-7-9	. STRAP,TIEDOWN,ELECT	1
18	PAFZZ	5930-12-362-6415	D2689	0419 9831	. SWITCH,LIQUID LEVEL	1
19	PAFZZ	5325-12-362-4905	D2689	0420 0740	. GROMMET,NONMETALLIC	1
20	PAFZZ	4730-12-158-8862	D8286	DIN7643-6	. BOLT,FLUID PASSAGE	2
21	PAFZZ	5330-12-142-9117	D8286	DIN7603-A10X13,5-AL	. GASKET	4
22	PAFZZ	4720-14-525-7486	F5878	04202185	. HOSE,PREFORMED	1
23	PAFZZ	5365-12-362-5878	D2689	0425 1470	. PLUG,MACHINE THREAD	2
24	PAFZZ		D2689	04202043	. FAN	1
25	PAFZZ		D2689	01133726	. WASHER,PLAIN	1
26	PAFZZ		D2689	01148420	. NUT,HEX	1
27	PAFZZ		D2689	04202345	. BEARING,THRUST	1
28	PAFZZ		D2689	01107844	. CIRCLIP	1
29	PAFZZ		D2689	01179116	. BEARING,BALL	1
30	PAFZZ		D2689	03363687	. BUSHING	1
31	PAFZZ		D2689	01179730	. BEARING,BALL	1
32	PAFZZ	5365-01-544-8531	62445	0118 0888	. PLUG,MACHINE THREAD	1
33	PAFZZ		D2689	04251731	. HOUSING,FAN	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
34	PAFZZ		D2689	01388766	STRIP,SEALING	1
35	PAFZZ		D2689	04255768	PULLEY	1
36	PAFZZ	3030-12-362-0831	D2689	0118 0849	BELT,V	1
37	PAFZZ		D2689	01136951	SCREW	3
38	PFFZZ		D2689	02237847	COVER	1
39	PAFZZ		D2689	02136434	GASKET	1
40	PAFFF		D2689	0112 4457	BOLT,HEX	1
41	PAFZZ		D2689	04251828	PULLEY ASSEMBLY	1
42	PAFZZ		D2689	02133835	. BUSHING	1
43	PAFZZ	3110-01-390-3426	62445	01172655	. BEARING,BALL	1
44	PAFZZ		D2689	02133837	. PULLEY	1
45	PAFZZ		D2689	02136433	. WASHER,PLAIN	1
46	PAFZZ		D2689	04251827	. SPACER	1
47	PAFZZ		D2689	0425 1824	STRAP,CLAMPING	1
48	PAFZZ		D2689	01151019	WASHER,PLAIN	1
49	PAFZZ	5310-12-346-0168	I9008	ISO4032-M8-8	NUT,PLAIN,HEXAGON	1
50	PAFZZ		D2689	04202775	BUSHING	2
51	PFFZZ		D2689	04209136	BRACKET	1
52	PAFZZ		D2689	04172492	WASHER,PLAIN	1
53	PAFZZ	5306-12-361-9468	I9006	EN1662-M8X35-F-10.9-A2P	BOLT,MACHINE	2
54	PAFZZ	5306-12-361-0975	D2689	0118 1433	BOLT,MACHINE	2
55	PAFZZ		D2689	01180205	BOLT,HEX	5

END OF FIGURE

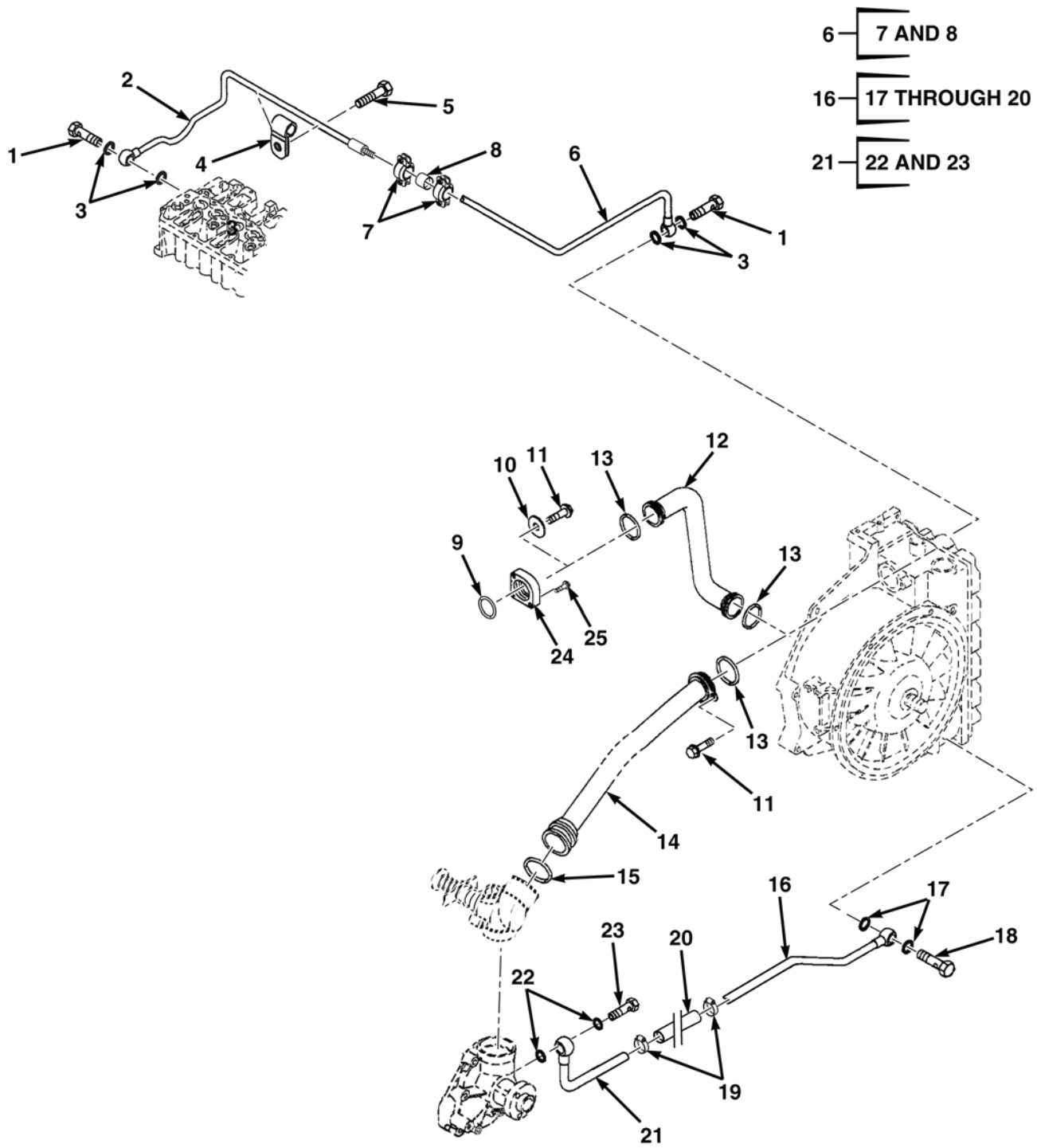


FIG. 111 COOLING HOSES, LINES, AND FITTINGS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7629 AUXILIARY ENGINE COOLING ASSEMBLY	
					FIG. 111 COOLING HOSES, LINES, AND FITTINGS	
1	PAFZZ	4730-12-158-8862	D8286	DIN7643-6	BOLT,FLUID PASSAGE	2
2	PAFZZ		D2689	0425 6744	TUBE ASSEMBLY,METAL	1
3	PAFZZ	5330-12-122-0605	D8286	DIN7603-A10X16-A	GASKET	4
4	PAFZZ	5340-12-325-3651	D8286	DIN3016-D1-6X15-W1-2HVQ1-70	CLAMP,LOOP	3
5	PAFZZ	5306-12-362-6067	I9006	EN1662-M6X95-F-10.9-A2P	BOLT,MACHINE	3
6	PAFZZ		D2689	0429 3024	LINE,BREATHER	1
7	PAFZZ		D2689	0118 0071	. CLIP,HOSE	2
8	PAFZZ		D2689	0118 2393	. SLEEVE,RUBBER	1
9	PAFZZ	5331-12-362-7525	D2689	0118 1548	O-RING	1
10	PAFZZ	5310-12-143-1138	D8286	8,4DIN7349-ST-A3	WASHER,FLAT	1
11	PAFZZ	5306-12-361-0975	D2689	0118 1433	BOLT,MACHINE	3
12	PAFZZ	4720-12-362-5055	D2689	0420 1466	HOSE,PREFORMED	1
13	PAFZZ	5331-12-362-8769	D2689	0420 0582	O-RING	3
14	PAFZZ	4710-12-362-4895	D2689	0420 5506	TUBE ASSEMBLY,METAL	1
15	PAFZZ	5331-12-362-7524	D2689	0118 0309	O-RING	1
16	PAFZZ		D2689	0428 4618	LINE,COMPENSATING	1
17	PAFZZ	5330-12-156-4525	D8286	DIN7603-A16X22-C	. GASKET	4
18	PAFZZ	4730-12-362-5175	D2689	0113 7064	. BOLT,FLUID PASSAGE	2
19	PAFZZ		D2689	0117 3965	. CLAMP	2
20	PAFZZ		D2689	0117 9759	. HOSE,RUBBER	1
21	PAFZZ		D2689	0428 5991	LINE,COMPENSATING	1
22	PAFZZ	5330-12-156-4525	D8286	DIN7603-A16X22-C	. GASKET	4
23	PAFZZ	4730-12-362-5175	D2689	0113 7064	. BOLT,FLUID PASSAGE	2
24	PAFZZ	4730-12-362-5056	D2689	0425 1503	FLANGE,PIPE	1
25	PAFZZ	5306-12-361-9468	I9006	EN1662-M8X35-F-10.9-A2P	BOLT,MACHINE	1
					END OF FIGURE	

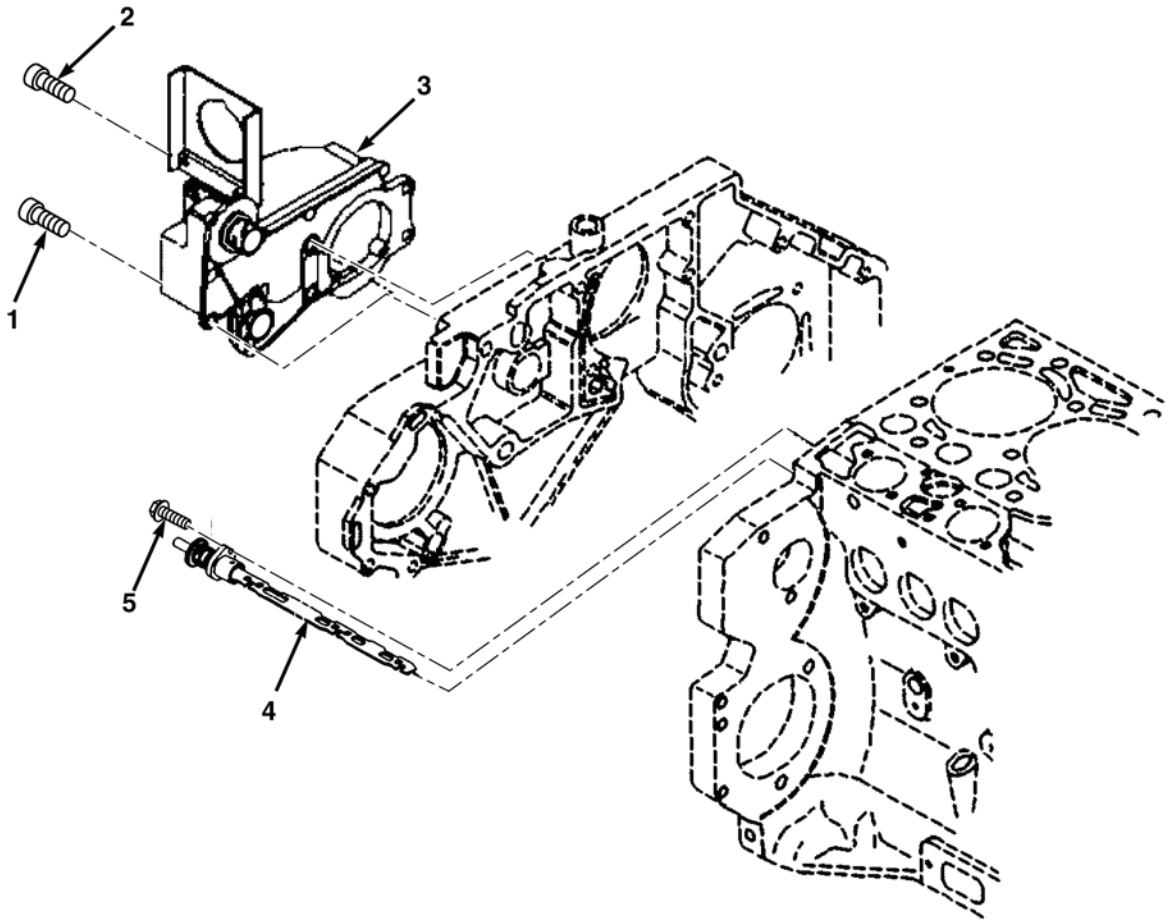


FIG. 112 ACTUATOR/CONTROL ROD

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7629 AUXILIARY ENGINE COOLING ASSEMBLY	
					FIG. 112 ACTUATOR/CONTROL ROD	
1	PAFZZ		D2689	0113 9441	SCREW,HEXAGON HEAD	3
2	PAFZZ		D2689	0110 3783	SCREW,HEXAGON HEAD	2
3	PAFZZ		D2689	0211 2588	ACTUATOR	1
4	PAFZZ		D2689	0118 1773	BOLT,HEX	1
5	PAFZZ		D2689	0211 1840	ROD,CONTROL.	1
					END OF FIGURE	

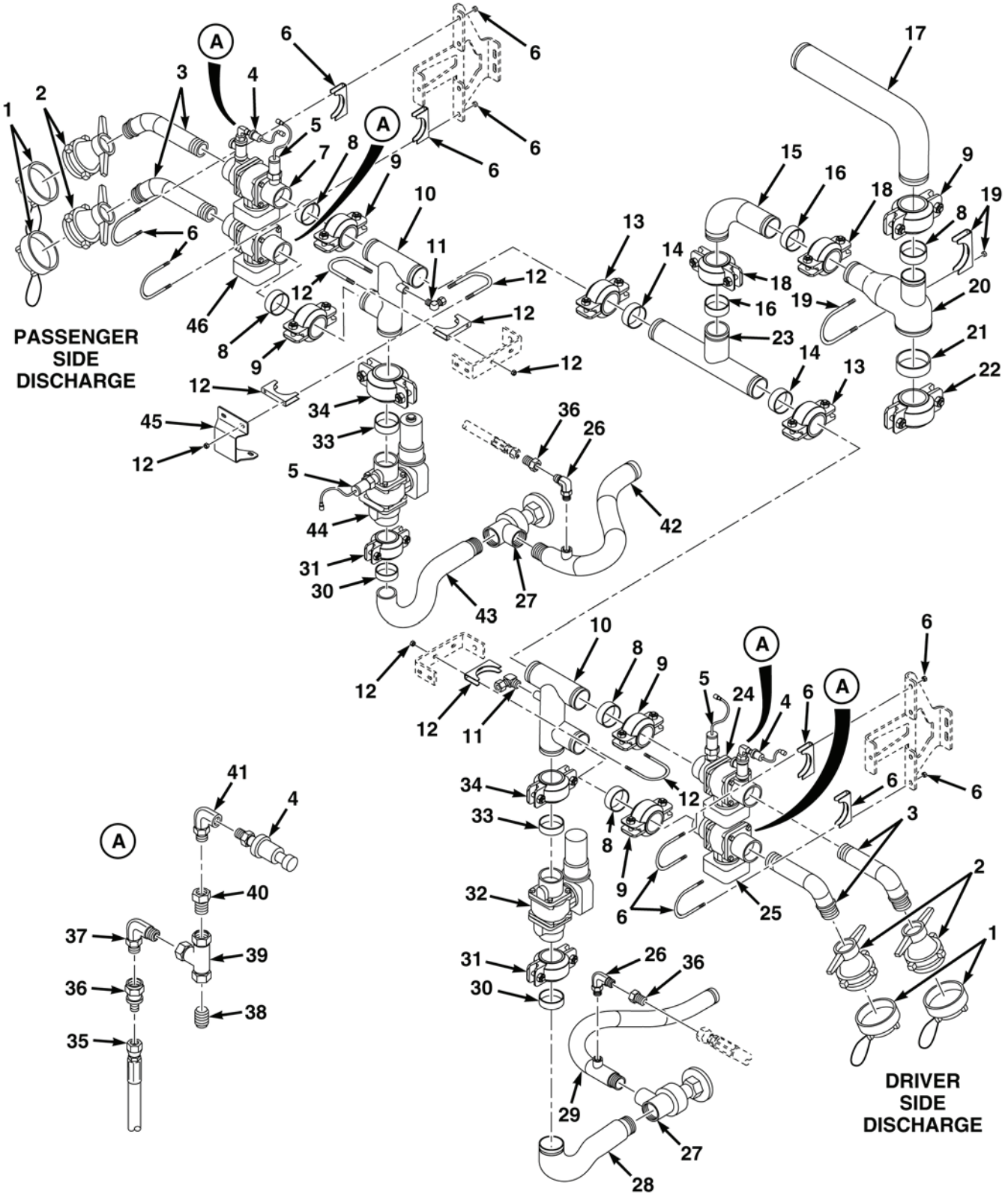


FIG. 113 DISCHARGE PIPING SYSTEM (SHEET 1 OF 2)

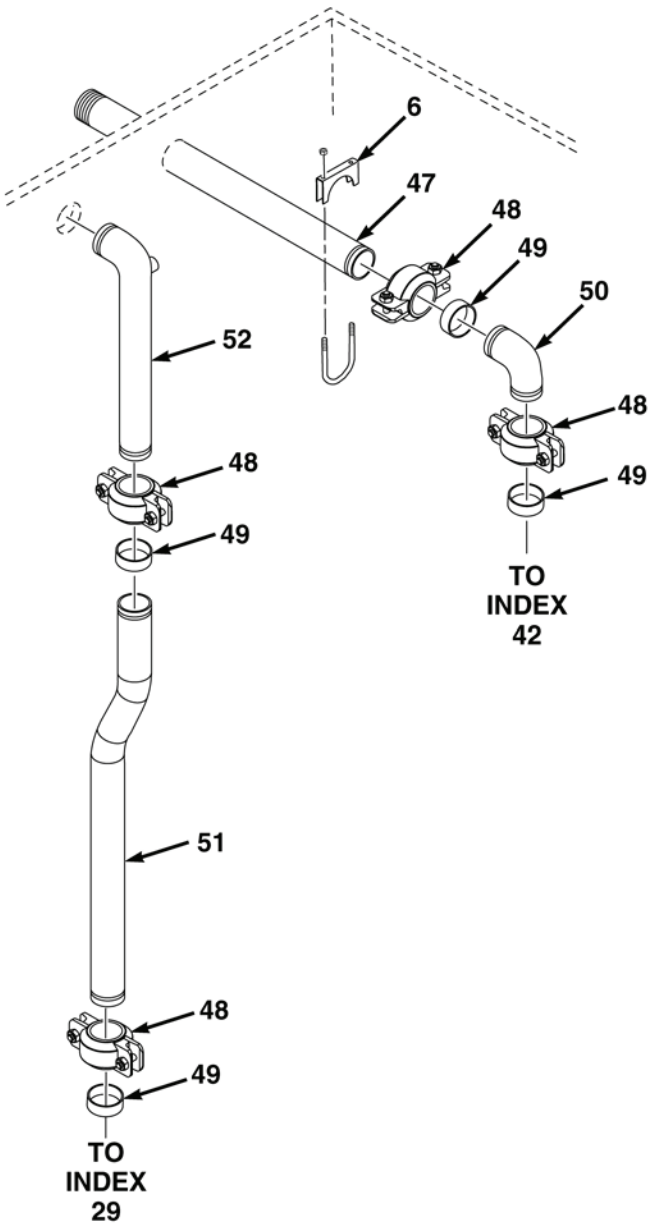


FIG. 113 DISCHARGE PIPING SYSTEM (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7630 PIPING, WATER AND FOAM	
					FIG. 113 DISCHARGE PIPING SYSTEM	
1	PAFZZ	5340-01-517-3347	8T694	SC50	CAP,PROTECTIVE,DUST	4
2	PAFZZ	4730-01-518-0467	8T694	5IN.STZ,5INFHN	ADAPTER,STRAIGHT,PI	4
3	PAFZZ		04664	1336208	ELBOW,SIDE	4
4	PAFZZ	6620-01-518-0906	00912	93000030	TRANSMITTER,PRESSUR	6
5	PAFZZ	2990-01-517-5045	00912	93000004	SENSOR,MASS AIR FLO	6
6	PAFZZ	5340-01-517-3680	96566	139275-00	CLAMP,LOOP	5
7	PAFZZ	4210-01-518-0480	00912	1348167	BALL,VALVE,PORTED 2.5 IN,AKR,ELEC	1
8	PAFZZ	5330-01-518-2030	79154	3.0INCH07T-GASKET	GASKET	5
9	PAFZZ	4730-01-518-1974	79154	3.0INCH07T	COUPLING,CLAMP,PIPE STYLE 07 X 3	5
10	PAFZZ		04664	1336189	PIPE,TEE SIDE DISCHARGE	2
11	PAFZZ	4730-01-086-4064	81343	SAE J246 4-4 100202BA	ELBOW,PIPE TO TUBE 90 DEG	2
12	PAFZZ	5340-01-517-3685	96566	139350-00	CLEVIS AND U-BOLT 3 1/2	3
13	PAFZZ	4730-01-161-6679	79154	LD44750PT0	COUPLING,CLAMP,PIPE STYLE 750	2
14	PAFZZ	5330-01-518-2079	79154	LD44750PT0-GASKE	GASKET	2
15	PAFZZ		04664	1336192	PIPE,PUMP OUTLET	1
16	PAFZZ	5330-01-518-2069	79154	4.0INCH07T-GASKET	GASKET	2
17	PAFZZ		04664	1336190	ELBOW,TURRET	1
18	PAFZZ	4730-01-518-1982	79154	4.0INCH07T	COUPLING,CLAMP,PIPE STYLE 07 X 4	2
19	PAFZZ	5340-01-013-9392	14934	U450	CLAMP,LOOP 4 1/2	1
20	PAFZZ		04664	1336194	PIPE,OUTLET REDUCER	1
21	PAFZZ	5330-01-518-2070	79154	5.0INCH07T-GASKE	GASKET	1
22	PAFZZ	4730-01-518-1983	79154	5.0INCH07T	COUPLING,CLAMP,PIPE STYLE 07 X 5	1
23	PAFZZ		04664	1336199	TEE,DISCHARGE	1
24	PAFZZ	4810-01-517-4987	00912	1348165	VALVE,BALL 2.5 IN,AKR,ELEC	1
25	PAFZZ	4210-01-518-0478	00912	1348166	BALL,VALVE,PORTED 2.5 IN,AKR,ELEC	1
26	PAFZZ	4730-01-254-1251	30780	12 CTX-B	ELBOW,PIPE TO TUBE	2
27	PAFZZ	4820-01-518-2434	20266	UR-20-1.5 ZZA	VALVE,REGULATING,FL REDUCING, 1.5	2
28	PAFZZ		04664	1336214	PIPE,PRECONNECT,LH	1
29	PAFZZ		04664	1336217	PIPE,PRECONNECT,LH	1
30	PAFZZ	5330-01-518-2072	79154	2.5X2.0INCH750T-GASKET	GASKET	2
31	PAFZZ	4730-01-518-7271	79154	2.5X2.0INCH750T	COUPLING,CLAMP,PIPE	2
32	PAFZZ	4210-01-518-0463	00912	1348161	BALL,VALVE,PORTED	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
33	PAFZZ	5330-01-518-2075	79154	3.0X2.5INCH750T-GASKET	GASKET	2
34	PAFZZ	4730-01-518-5395	79154	3.0X2.5INCH750T	COUPLING,CLAMP,PIPE	2
35	MFFZZ		04664	940093-72	HOSE,NONMETALLIC MAKE FROM P/N 801-12, CAGE 87373,APPROX 72 IN. LG.	4
36	PAFZZ	4730-01-114-8326	56161	10557954-2	ADAPTER,STRAIGHT TUBE TO HOSE	4
37	PAFZZ	4730-01-300-4090	39428	4464K15	ELBOW,PIPE	4
38	PAFZZ	4730-01-305-8657	39428	4830K191	NIPPLE,PIPE	4
39	PAFZZ	4730-01-300-4114	39428	4464K52	TEE,PIPE 3/4	4
40	PAFZZ	4730-01-235-5782	93061	209P-12-4	BUSHING,PIPE	4
41	PAFZZ	4730-00-278-4824	93061	2202P-4-4	ELBOW,PIPE	4
42	PAFZZ		04664	1336216	PIPE,PRECONNECT,RH	1
43	PAFZZ		04664	1336215	ELBOW,PRECONNECT,RH	1
44	PAFZZ		04664	1348162	BALL,VALVE,PORTED	1
45	PFFZZ		04664	1295544	BRACKET,PRECONNECT	1
46	PAFZZ	4210-01-518-0454	00912	1348168	BALL,VALVE,PORTED 2.5 IN,AKR,ELEC	1
47	PAFZZ		04664	1136451	PIPE,PRECONNECT ABOVE TANK	1
48	PAFZZ	4730-01-518-1977	79154	L020007PT0	COUPLING,CLAMP,PIPE STYLE 07 X 2	4
49	PAFZZ	5330-01-518-2033	79154	2.0INCH07T-GASKET	GASKET	4
50	PAFZZ		04664	1136496	ELBOW,PRECONNECT ABOVE TANK	1
51	PAFZZ		04664	1348482	PIPE,PRECONNECT,LH	1
52	PAFZZ		04664	1136495	PIPE,PRECONNECT TANK FACE	1

END OF FIGURE

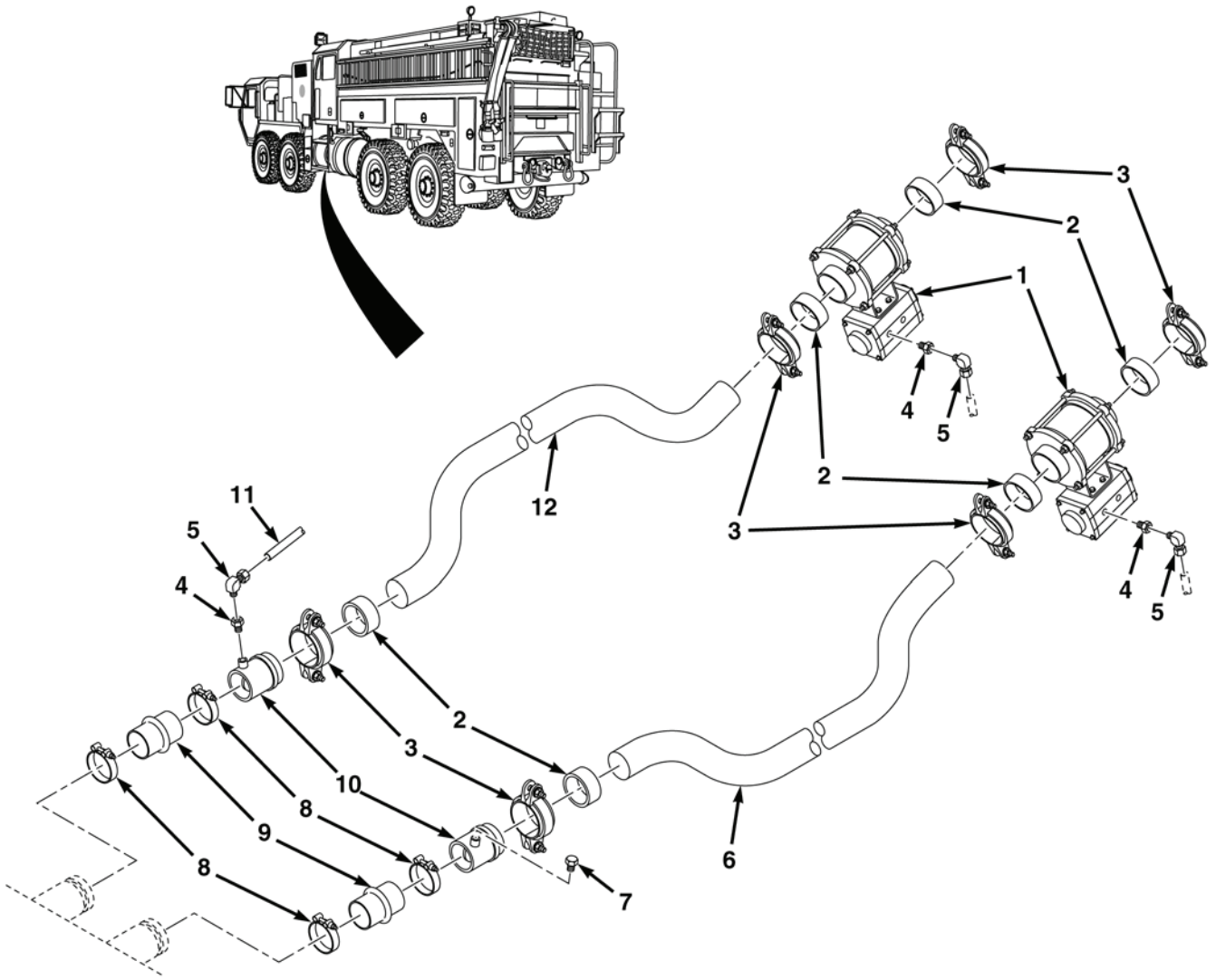


FIG. 114 WATER TANK TO PUMP VALVES

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7630 PIPING, WATER AND FOAM	
					FIG. 114 WATER TANK TO PUMP VALVES	
1	PAFZZ	4820-01-517-5347	04664	1332091-0300	VALVE,BALL	2
2	PAFZZ	5330-01-518-2031	79154	3.0INCH75T-GASKE	GASKET	6
3	PAFZZ	4730-01-518-1975	79154	3.0INCH75T	COUPLING,CLAMP,PIPE STYLE 75 X 3	6
4	PAFZZ	4730-00-202-6491	93061	209P-6-4	BUSHING,PIPE	3
5	PAFZZ	4730-01-086-4064	81343	SAE J246 4-4 100202BA	ELBOW,PIPE TO TUBE 90 DEG	3
6	PAFZZ		04664	1336212	PIPE TANK TO PUMP	1
7	PAFZZ	4730-00-044-4689	93061	219P-2	PLUG,PIPE	1
8	PAFZZ	4730-00-908-6293	06481	T-218758	CLAMP,HOSE	4
9	PAFZZ	4720-01-517-9015	0VC51	3H35SL	HOSE,NONMETALLIC 3.50	2
10	PAFZZ	4820-01-561-8767	04664	1336204-0300	VALVE,CHECK	2
11	MFFZZ		04664	944035-80	TUBING NONMETALLIC MAKE FROM P/N NT10006BK,CAGE 01276,APPROX 80 IN. LG	1
12	PAFZZ		04664	1336218	PIPE TANK TO PUMP	1
					END OF FIGURE	

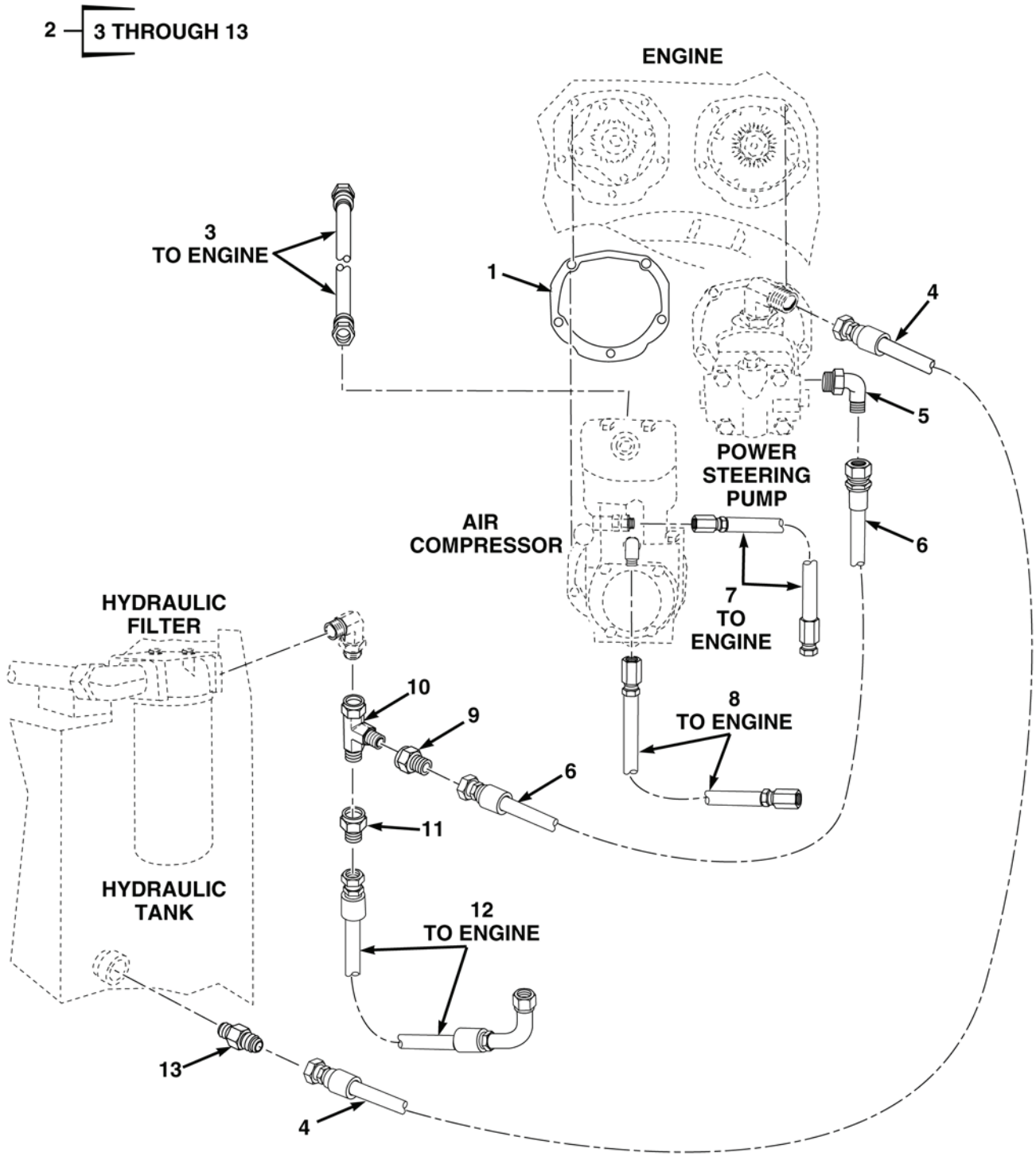


FIG. 115 POWER STEERING MOD

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 115 POWER STEERING MOD	
1	PAFZZ	5330-01-390-9045	72582	23515145	GASKET	1
2	PAFZZ		04664	1556444	POWER STEERING MOD A/C MOD . . .	1
3	KFFZZ		98441	1556444-06	. HOSE ASSEMBLY,NONME PART OF KIT P/N 1556444	1
4	KFFZZ		98441	1556444-03	. HOSE ASSEMBLY,NONME PART OF KIT P/N 1556444	1
5	KFFZZ		98441	2503-8-8	. ELBOW,TUBE TO BOSS PART OF KIT P/N 1556444	1
6	KFFZZ		98441	1556444-01	. HOSE ASSEMBLY,NONME PART OF KIT P/N 1556444	1
7	KFFZZ		98441	1556444-04	. HOSE ASSEMBLY,NONME PART OF KIT P/N 1556444	1
8	KFFZZ		98441	1556444-05	. HOSE ASSEMBLY,NONME PART OF KIT P/N 1556444	1
9	KFFZZ	4730-01-422-4088	5E240	2406-24-12	. REDUCER BODY,TUBE PART OF KIT P/N 1556444	1
10	KFFZZ		98441	063T-24-24	. TEE PART OF KIT P/N 1556444	1
11	KFFZZ		98441	2406-24-10	. ADAPTER PART OF KIT P/N 1556444 .	1
12	KFFZZ		98441	1556444-02	. HOSE ASSEMBLY,NONME PART OF KIT P/N 1556444	1
13	KFFZZ		98441	0103-24-24	. ADAPTER PART OF KIT P/N 1556444 .	1
					END OF FIGURE	

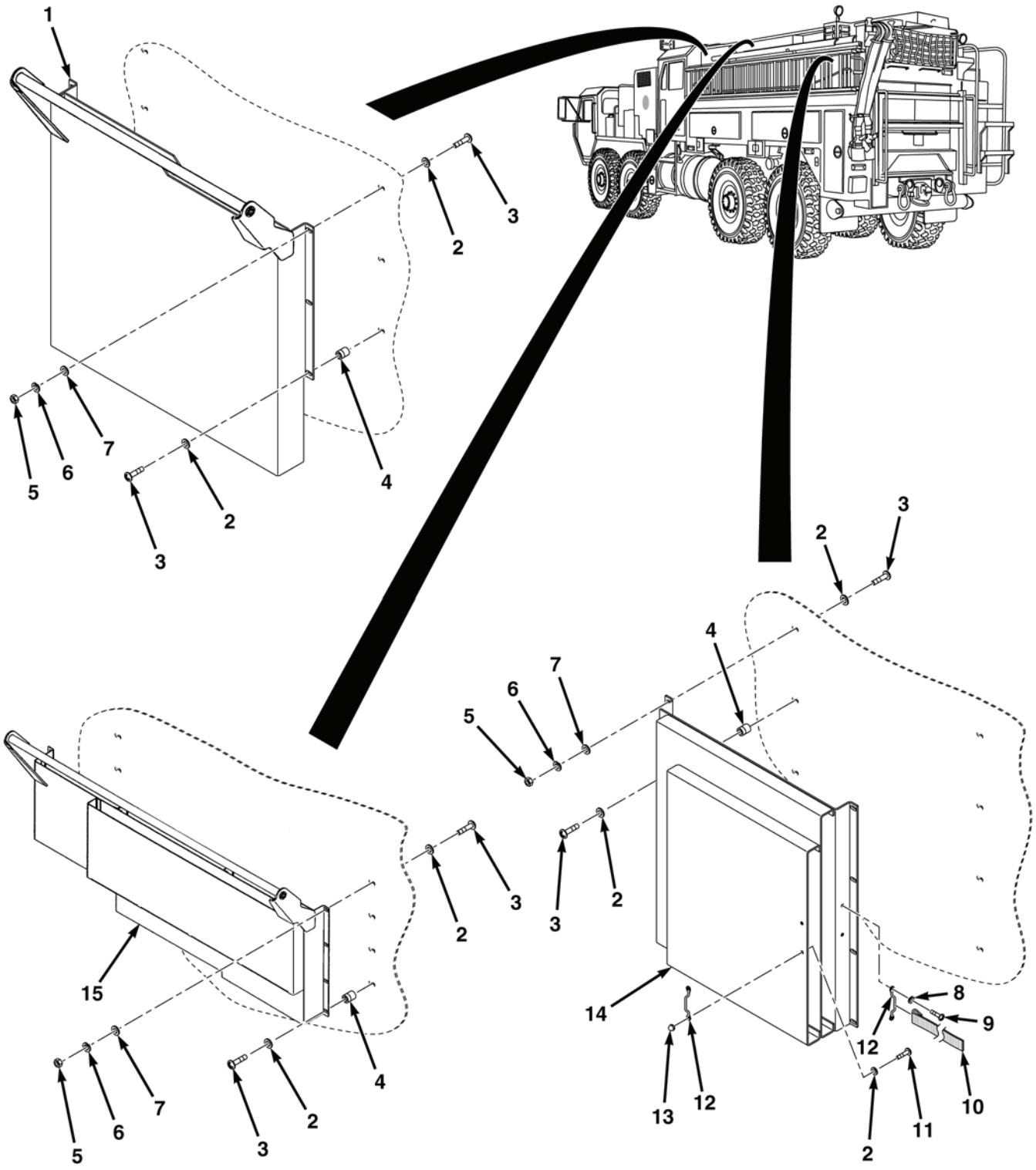


FIG. 116 AIR BAG STOWAGE BOXES

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 116 AIR BAG STOWAGE BOXES	
1	PFFZZ		04664	1218090	STORAGE,AIR BAG	1
2	PAFZZ	5310-00-562-2826	39428	90295A140	WASHER,FLAT	23
3	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4.	23
4	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	8
5	PAFZZ	5310-01-142-7049	45152	1817HX	NUT,PLAIN,HEXAGON 10-24	15
6	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	15
7	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	15
8	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8.	2
9	PAFZZ	5305-00-855-0964	80205	MS24629-48	SCREW,TAPPING	2
10	PAFZZ	5340-01-516-8787	04664	1219606-0012	STRAP,WEBBING	2
11	PAFZZ	5305-00-701-5074	80205	MS51959-63	SCREW,MACHINE 10-24 X 1/2 FLTHEAD	2
12	PAFZZ	5340-00-329-2428	19220	6411D	LOOP,STRAP FASTENER 1.25 WIDE . .	2
13	PAFZZ	5310-01-283-4637	96906	A-A-55629	NUT,PLAIN,CAP 10-24	2
14	PFFZZ		04664	1274962	STORAGE,AIR BAG AIR BAG	1
15	PFFZZ		04664	1272048	STORAGE,AIR BAG AIR BAG	1
					END OF FIGURE	

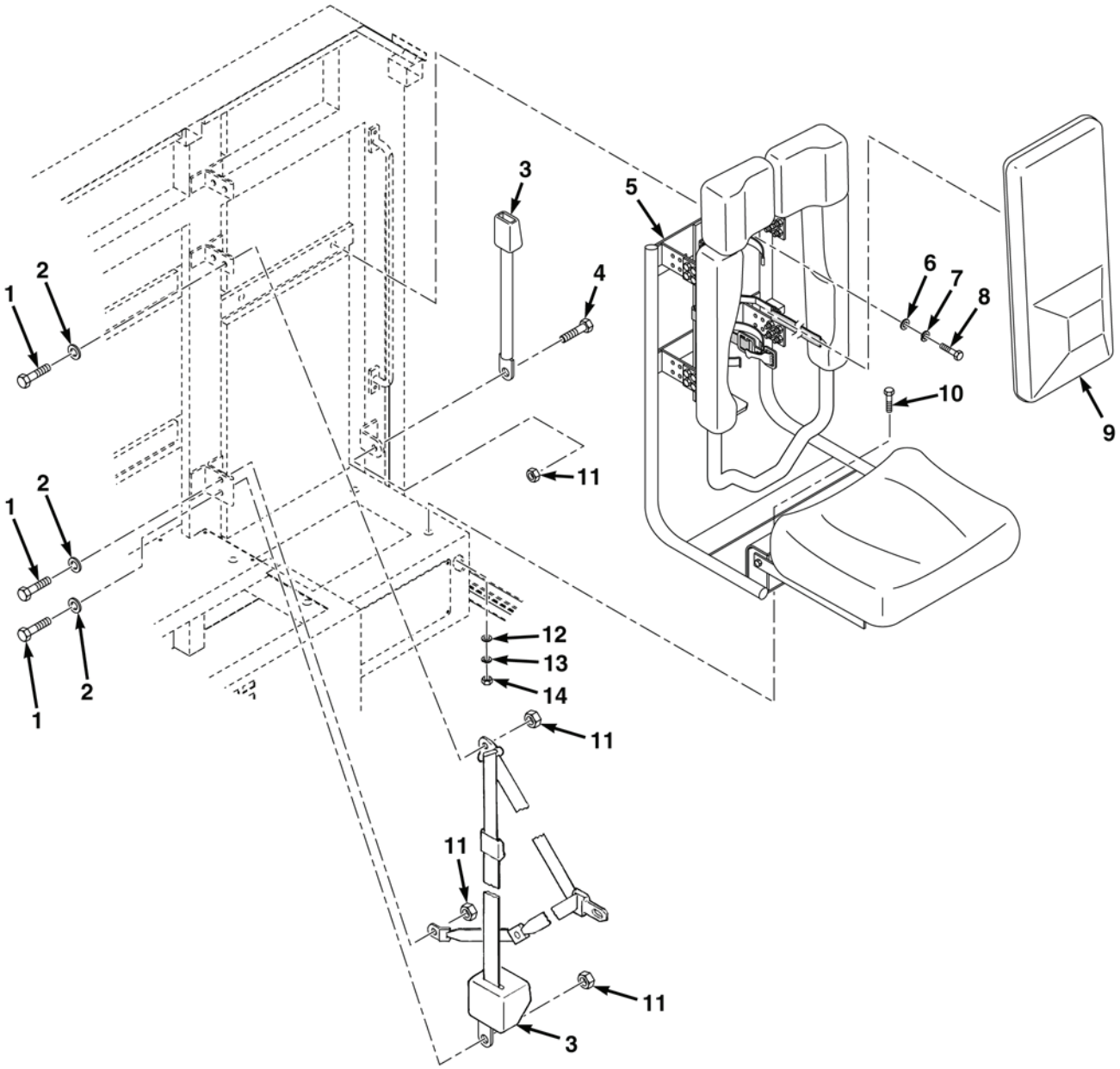


FIG. 117 SCBA SEAT MOUNTING, SEAT, AND SEAT BELTS (SHEET 1 OF 2)

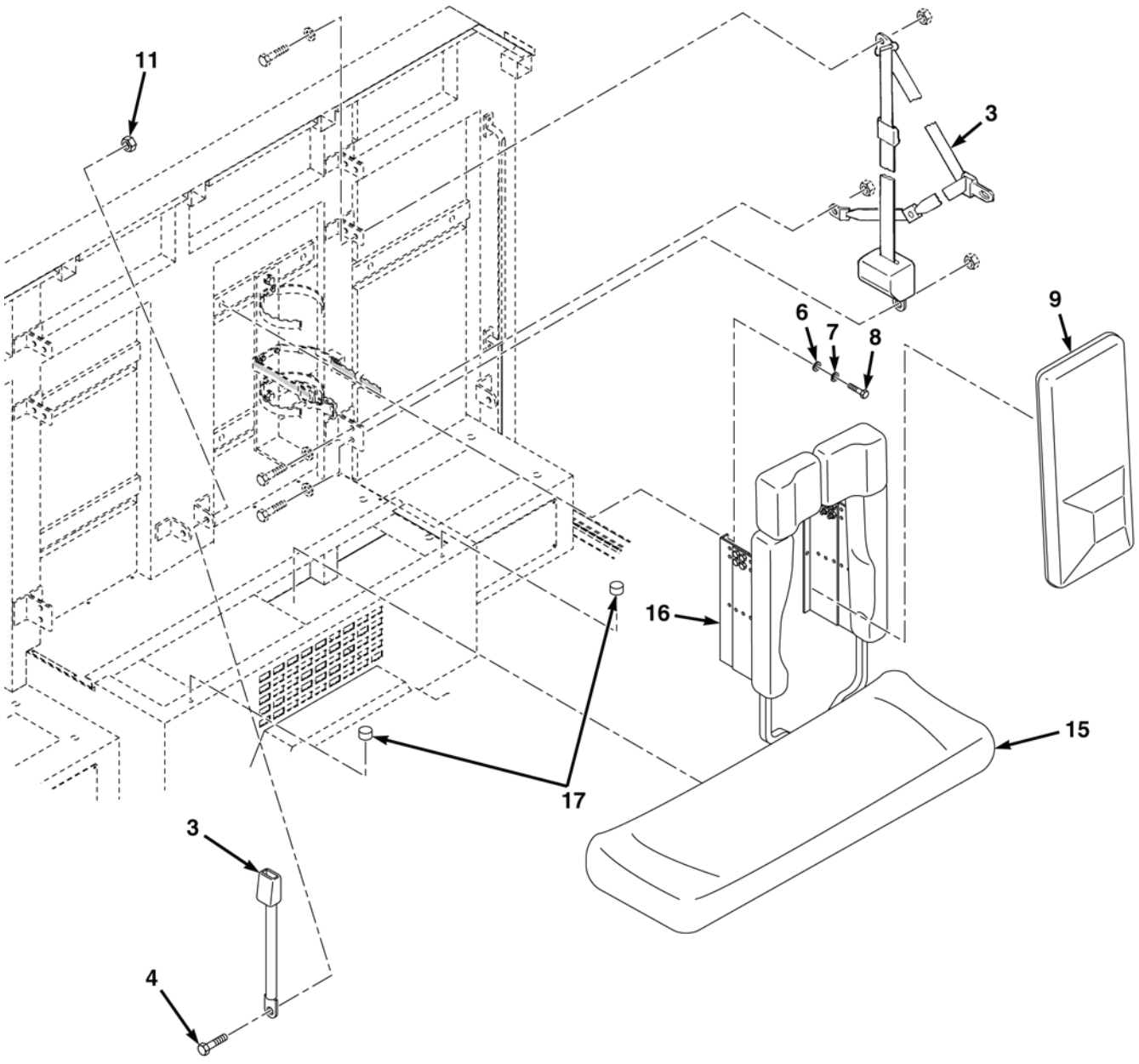


FIG. 117 SCBA SEAT MOUNTING, SEAT, AND SEAT BELTS (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 117 SCBA SEAT MOUNTING, SEAT, AND SEAT BELTS	
1	PAFZZ	5305-00-071-2055	80204	B1821BH044C150N	SCREW,CAP,HEXAGON HEAD, 7/16-14 X 1 1/2.	4
2	PAFZZ	5310-00-809-4061	96906	MS27183-15	WASHER,FLAT 7/16	4
3	PAFZZ	2540-01-517-9774	29944	F13445	BELT,VEHICULAR SAFE W/14.0 CABLE,RED.	4
4	PAFZZ	5305-01-517-7768	04664	1215800-0125	SCREW,CAP,HEXAGON H 7/16-20 X 1 3/8.	4
5	PAFFF	2540-01-517-2838	04664	1179106	SEAT,VEHICULAR.	2
6	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	16
7	PAFZZ	5310-00-933-8122	96906	MS35338-159	WASHER,LOCK 5/16.	16
8	PAFZZ	5305-00-071-2511	80204	B1821BH025C200N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 2.	16
9	PFFZZ	5340-01-517-3963	04664	1180354	COVER,ACCESS 2+2 SCBA SEAT.	4
10	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1.	8
11	PAFZZ	5310-01-517-3978	04664	92-0181	NUT,SELF-LOCKING,HE	4
12	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	8
13	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	8
14	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING 1/4-20 NC	8
15	PAFZZ	2540-01-517-2859	04664	1179107	CUSHION,SEAT,VEHICU 2 POSITION . .	1
16	PAFZZ	2540-01-517-2856	04664	1179105	FRAME,SEAT,VEHICULA WALL MOUNT	2
17	PAFZZ	5340-00-134-3465	04664	80-9145	BUMPER,NONMETALLIC	2
					END OF FIGURE	

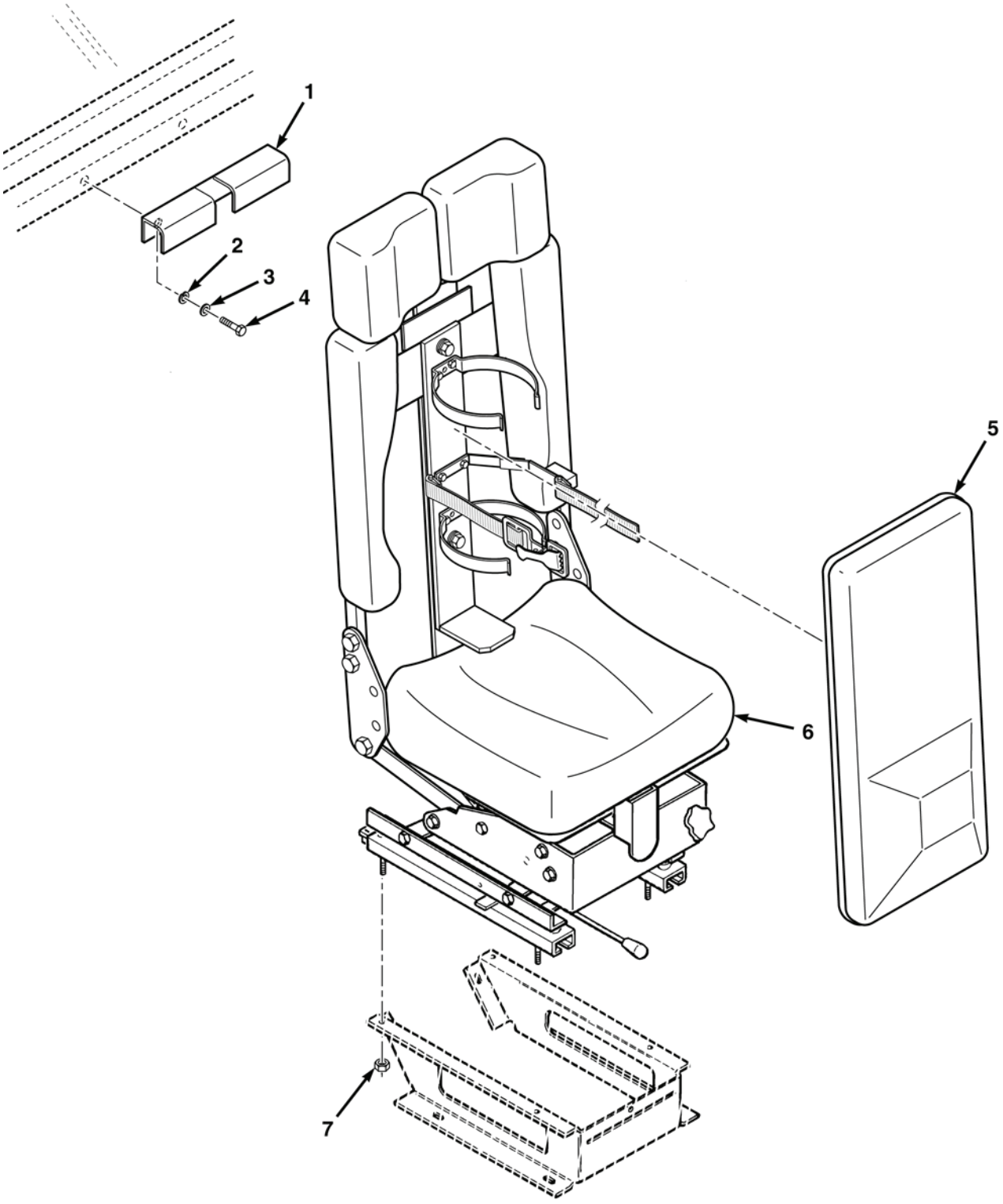


FIG. 118 PASSENGER SEAT AND MOUNTING ASSEMBLY - TFFT

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 118 PASSENGER SEAT AND MOUNTING ASSEMBLY - TFFT	
1	PAFZZ		04664	1218428	WEAR PLATES	1
2	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	2
3	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	2
4	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1.	2
5	PFFZZ	5340-01-517-3963	04664	1180354	COVER,ACCESS 2+2 SCBA SEAT.	1
6	PFFZZ		04664	1179071	SEAT,VEHICULAR.	1
7	PAFZZ	5310-00-245-3615	80205	MS35649-2314	NUT,PLAIN,HEXAGON 5/16-18.	4
					END OF FIGURE	

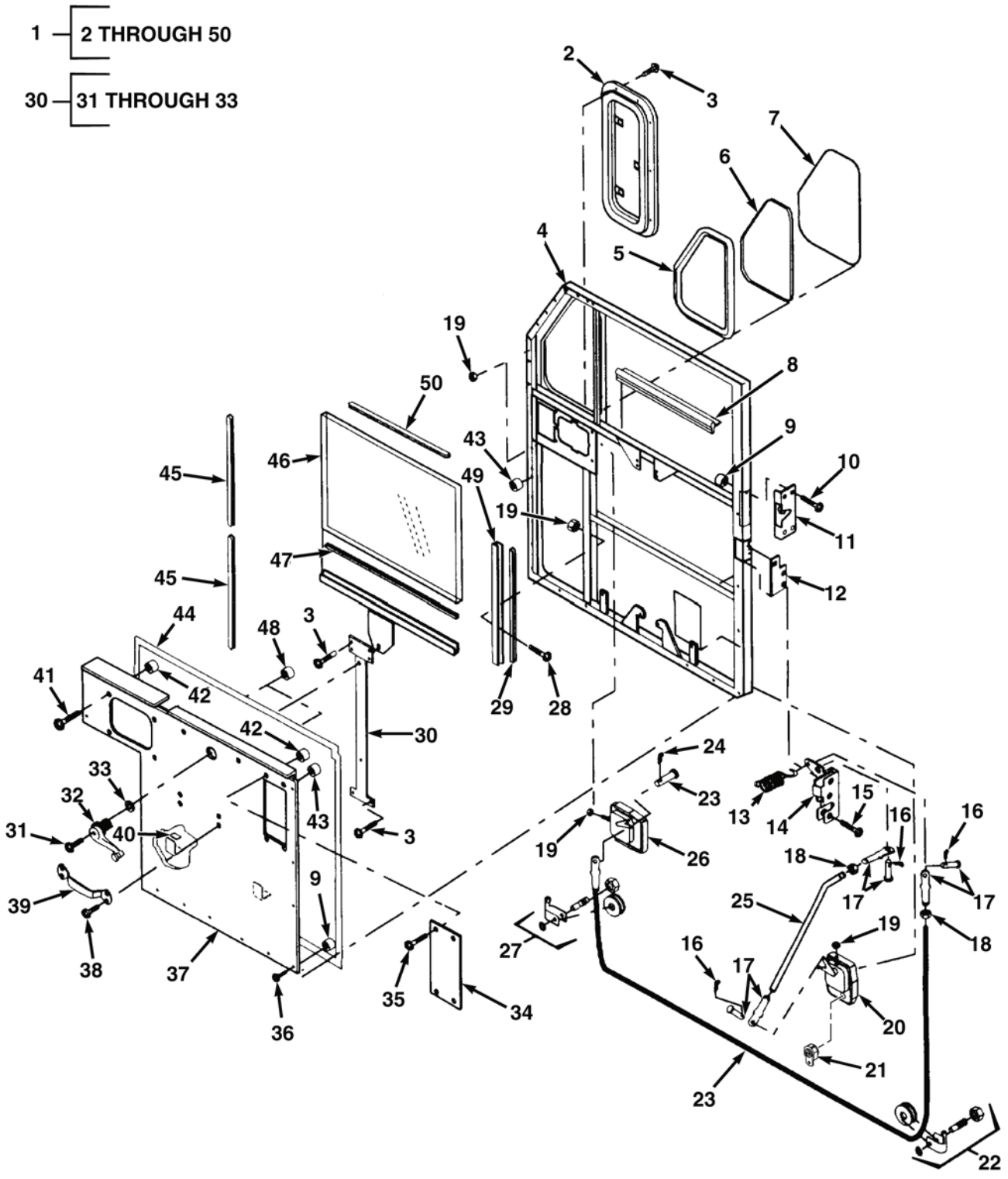


FIG. 119 CREW CAB DOOR ASSEMBLY, LH AND RH (SHEET 1 OF 3)

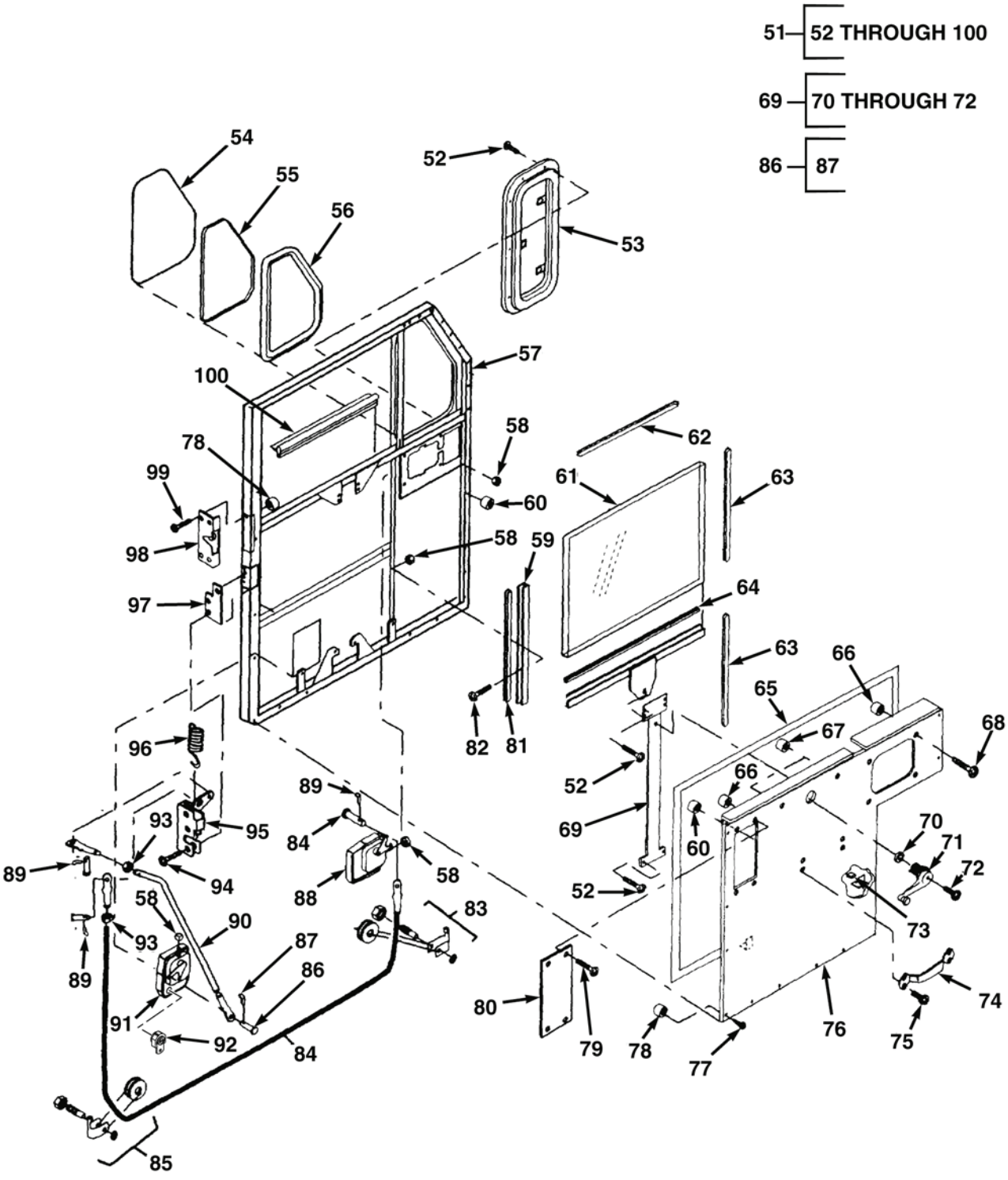


FIG. 119 CREW CAB DOOR ASSEMBLY, LH AND RH (SHEET 2 OF 3)

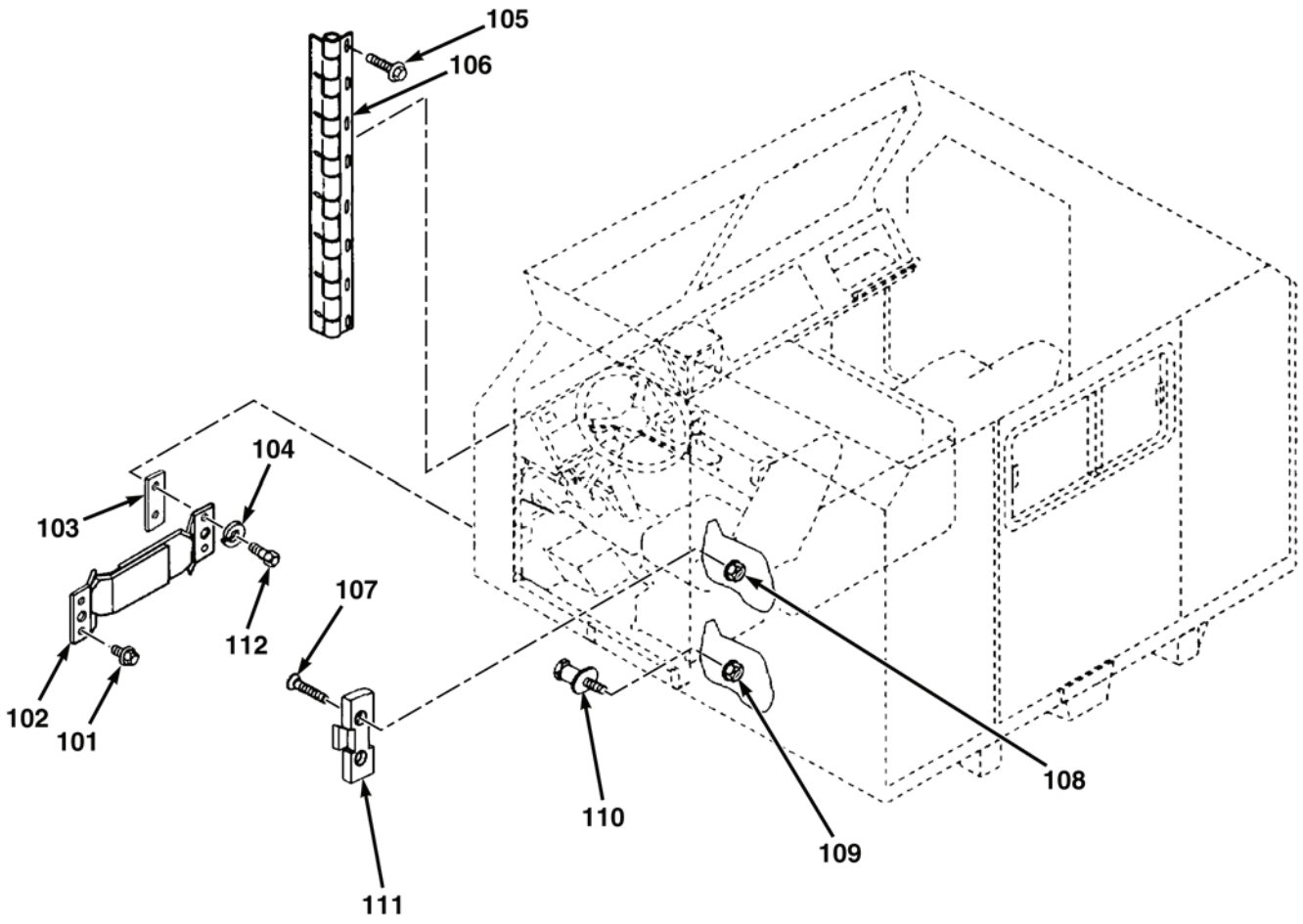


FIG. 119 CREW CAB DOOR ASSEMBLY, LH AND RH (SHEET 3 OF 3)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 119 CREW CAB DOOR ASSEMBLY, LH AND RH	
1	PBFFF	2510-01-354-4365	45152	2032270U	DOOR,VEHICULAR	1
2	PAFZZ	2510-01-417-4865	63708	64-7909-1	. VENT WING ASSEMBLY,	1
3	PAFZZ	5305-00-984-6210	80205	MS35206-263	. SCREW,MACHINE 10-14 X 1/2	16
4	PFFZZ	2510-01-354-1288	45152	1788710W	. FRAME SECTION,STRUC	1
5	MFFZZ		45152	59747AX-55	. SEAL,NONMETALLIC MAKE FROM P/N 101-2203,CAGE 55899,APPROX 55 IN. LG.	1
6	PFFZZ	9340-01-151-9132	45152	126893B	. WINDOW,OBSERVATION	1
7	PAFZZ	5330-00-770-0707	45152	59745AX	. SEAL,NONMETALLIC ST	1
8	MFFZZ		45152	26927AX-26	. WEATHER STRIP MAKE FROM P/N 26927AX,CAGE 45152,APPROX 26 IN. LG.	1
9	PAFZZ	5325-01-420-3005	78276	ALS7-1032-130	. INSERT,SCREW THREAD 10-32	18
10	PAFZZ	5305-01-353-8322	45152	1365320	. SCREW,MACHINE #10-32 X 1/2	4
11	PFFZZ	2510-00-116-0458	98882	70-7-9	. DOVE TAIL	1
12	PFFZZ	5365-01-156-4160	45152	1334130	. SPACER,PLATE	2
13	PFFZZ	5360-01-155-4565	45152	1321570	. SPRING,HELICAL,EXTE	1
14	PFFZZ	2540-01-393-2149	19220	19-400-R	. CYLINDER,LOCK,VEHIC	1
15	PAFZZ	5306-01-158-6232	45152	1362300	. BOLT,MACHINE 5/16-24 X 1 1/4	3
16	PAFZZ	5315-00-187-9549	80205	MS24665-418	. PIN,COTTER	1
17	PAFZZ	5340-00-530-5353	88044	AN665-21R	. CLEVIS,ROD END	3
18	PAFZZ	5310-01-194-3014	45152	1369HX1	. NUT,PLAIN,HEXAGON 10-32	2
19	PAFZZ	5310-00-208-1918	88044	AN365-1024A	. NUT,SELF-LOCKING 10-24	14
20	PAFZZ	5340-01-289-2201	45152	126904B	. HANDLE,DOOR	1
21	PAFZZ	2540-01-517-3432	04664	1370476	. CYLINDER,LOCK,VEHIC	1
22	PFFZZ	3020-01-152-7912	19220	4968-55RH	. PULLEY,GROOVE	1
23	PAFZZ	4010-01-155-2611	45152	1354520	. WIRE ROPE ASSEMBLY,	1
24	PAFZZ	5315-00-187-9549	80205	MS24665-418	. PIN,COTTER	1
25	PFFZZ	5306-01-407-7188	45152	2031980	. ROD,THREADED END	1
26	PAFZZ	2540-01-157-2991	70523	48550	. HANDLE,DOOR,VEHICUL	1
27	PFFZZ	3020-01-152-7912	19220	4968-55RH	. PULLEY,GROOVE	1
28	PAFZZ	5305-00-088-8332	80205	MS35190-272	. SCREW,MACHINE 10-24 X 5/8	2
29	MFFZZ		45152	3152179-37	. RUBBER SEAL MAKE FROM P/N MB284A-20004,CAGE 34623,APPROX 37 IN. LG.	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
30	PFFZZ	2540-01-392-6593	27182	S8522RAXCRKT	. PARTS KIT,REGULATOR	1
31	PAFZZ	5305-01-372-2565	27182	BZ-223024	. . SCREW,MACHINE	1
32	PAFZZ	5340-01-368-1370	27182	S85DCHXXZNXX	. . HANDLE,MANUAL CONTR	1
33	PAFZZ	5310-01-372-2289	27182	323014	. . WASHER,SHOULDERED	1
34	PFFZZ	5340-01-158-6318	45152	126895B	. COVER,ACCESS	1
35	PAFZZ	5305-01-352-2019	45152	1756830	. SCREW,ASSEMBLED WAS 10-24 X 1/2	4
36	PFFZZ	5305-00-285-5295	19207	454787	. SCREW,ASSEMBLED WAS #10-32 X 1/2	14
37	PFFZZ	2510-01-355-6575	45152	1788660W	. PANEL,INTERIOR,VEHI	1
38	PAFZZ	5305-01-133-2114	45152	1778HX	. SCREW,MACHINE 1/4-20 X 1/2	4
39	PFFZZ	5340-01-168-7285	27182	3200-PRIMER	. HANDLE,BOW	1
40	PAFZZ	5330-01-155-1938	45152	126890A	. RUBBER STRIP	2
41	PAFZZ	5305-01-355-2613	45152	1785250	. SCREW,ASSEMBLED WAS 10-24 X 3/4	6
42	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	. INSERT,SCREW THREAD 10-24	8
43	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	. INSERT,SCREW THREAD 1/4-20	6
44	MFFZZ		45152	26987AX-136	. TAPE MAKE FROM P/N 4508 3/4 IN.,CAGE 52152,APPROX 136 IN. LG.	1
45	MFFZZ		45152	3152179-19	. RUBBER SEAL MAKE FROM P/N MB284-20004,CAGE 34623,APPROX 19 IN. LG.	2
46	PAFZZ	2510-01-157-6910	45152	126894C	. WINDOW,VEHICULAR	1
47	MFFZZ		45152	4TC-23	. RUBBER,STRIP MAKE FROM P/N 70-17-30, CAGE 98882,APPROX 23 IN. LG.	1
48	PAFZZ	5325-01-414-7133	78276	ALS7-1024-225	. INSERT,SCREW THREAD 10-24	2
49	PFFZZ	2540-01-155-5836	45152	126916B	. CHANNEL,LIFT,VEHICL	1
50	MFFZZ		04664	3152179-25	. RUBBER SEAL MAKE FROM P/N MB284A-20004,CAGE 34623,APPROX 25 IN. LG.	1
51	PBFFF	2510-01-354-4366	45152	1788740U	DOOR,VEHICULAR	1
52	PAFZZ	5305-00-984-6210	80205	MS35206-263	. SCREW,MACHINE 10-14 X 1/2	16
53	PFFZZ	2510-01-417-4865	63708	64-7909-1	. VENT WING ASSEMBLY,	1
54	PAFZZ	5330-00-770-0707	45152	59745AX	. SEAL,NONMETALLIC ST	1
55	PFFZZ	9340-01-151-9132	45152	126893B	. WINDOW,OBSERVATION	1
56	MFFZZ		45152	59747AX-55	. SEAL,NONMETALLIC MAKE FROM P/N 101-2203,CAGE 55899,APPRROX 55 IN. LG.	1
57	PFFZZ	2510-01-354-1289	45152	1788720W	. FRAME SECTION,STRUC	1
58	PAFZZ	5310-00-208-1918	88044	AN365-1024A	. NUT,SELF-LOCKING 10-24	14
59	PFFZZ	2540-01-155-5836	45152	126916B	. CHANNEL,LIFT,VEHICL	1
60	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	. INSERT,SCREW THREAD 1/4-20	6
61	PAFZZ	2510-01-157-6910	45152	126894C	. WINDOW,VEHICULAR	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
62	MFFZZ		04664	3152179-25	. RUBBER SEAL MAKE FROM P/N MB284A-20004,CAGE 34623,APPROX 25 IN. LG.	1
63	MFFZZ		45152	3152179-19	. RUBBER SEAL MAKE FROM P/N MB284A-20004,CAGE 34623,APPROX 19 IN. LG.	2
64	MFFZZ		45152	4TC-23	. RUBBER,STRIP MAKE FROM P/N 70-17-30, CAGE 98882,APPROX 23 IN. LG.	1
65	MFFZZ		45152	26987AX-136	. TAPE MAKE FROM P/N 4508 3/4 IN.,CAGE 52152,APPROX 136 IN. LG.	1
66	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	. INSERT,SCREW THREAD 10-24	8
67	PAFZZ	5325-01-414-7133	78276	ALS7-1024-225	. INSERT,SCREW THREAD 10-24	2
68	PAFZZ	5305-01-355-2613	45152	1785250	. SCREW,ASSEMBLED WAS 10-24 X 3/4	6
69	PAFZZ	2540-01-254-5624	27182	8522LH	. REGULATOR,VEHICLE W	1
70	PAFZZ	5310-01-372-2289	27182	323014	. . WASHER,SHOULDERED	1
71	PAFZZ	5340-01-368-1370	27182	S85DCHXXZNXX	. . HANDLE,MANUAL CONTR	1
72	PAFZZ	5305-01-372-2565	27182	BZ-223024	. . SCREW,MACHINE	1
73	PAFZZ	5330-01-155-1938	45152	126890A	. RUBBER STRIP	2
74	PFFZZ	5340-01-168-7285	27182	3200-PRIMER	. HANDLE,BOW	1
75	PAFZZ	5305-01-133-2114	45152	1778HX	. SCREW,MACHINE 1/4-20 X 1/2	4
76	PFFZZ	2510-01-484-7334	45152	1788680W	. PANEL,INTERIOR,VEHI	1
77	PFFZZ	5305-00-285-5295	19207	454787	. SCREW,ASSEMBLED WAS #10-32 X 1/2	14
78	PAFZZ	5325-01-420-3005	78276	ALS7-1032-130	. INSERT,SCREW THREAD 10-32	18
79	PFFZZ	5305-01-352-2019	45152	1756830	. SCREW,ASSEMBLED WAS 10-24 X 1/2	4
80	PFFZZ	5340-01-158-6318	45152	126895B	. COVER,ACCESS	1
81	MFFZZ		45152	3152179-37	. RUBBER SEAL MAKE FROM P/N MB284A-20004,CAGE 34623,APPROX 37 IN. LG.	1
82	PAFZZ	5305-00-088-8332	80205	MS35190-272	. SCREW,MACHINE 10-24 X 5/8	2
83	PFFZZ	3020-01-152-7912	19220	4968-55RH	. PULLEY,GROOVE	1
84	PAFZZ	4010-01-155-2611	45152	1354520	. WIRE ROPE ASSEMBLY,	1
85	PFFZZ	3020-01-152-7912	19220	4968-55RH	. PULLEY,GROOVE	1
86	PFFZZ	5340-00-530-5353	88044	AN665-21R	. CLEVIS,ROD END	1
87	PAFZZ	5315-00-187-9549	80205	MS24665-418	. . PIN,COTTER	1
88	PFFZZ	2540-01-392-2329	70523	48551	. HANDLE,DOOR,VEHICUL	1
89	PAFZZ	5315-00-187-9549	80205	MS24665-418	. . PIN,COTTER	1
90	PFFZZ	5306-01-407-7188	45152	2031980	. ROD,THREADED END	1
91	PAFZZ	5340-01-289-2201	45152	126904B	. HANDLE,DOOR	1
92	PAFZZ	2540-01-517-3432	04664	1370476	. CYLINDER,LOCK,VEHIC	1
93	PAFZZ	5310-01-194-3014	45152	1369HX1	. NUT,PLAIN,HEXAGON 10-32	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
94	PAFZZ	5306-01-158-6232	45152	1362300	. BOLT,MACHINE 5/16-24 X 1 1/4	3
95	PFFZZ	2540-01-151-6209	19220	400-L	. CYLINDER,LOCK,VEHIC	1
96	PFFZZ	5360-01-155-4565	45152	1321570	. SPRING,HELICAL,EXTE	1
97	PFFZZ	5365-01-156-4160	45152	1334130	. SPACER,PLATE	2
98	PFFZZ	2510-00-116-0458	98882	70-7-9	. DOVE TAIL	1
99	PAFZZ	5305-01-353-8322	45152	1365320	. SCREW,MACHINE #10-32 X 1/2	4
100	MFFZZ		45152	26927AX-26	. WEATHER STRIP MAKE FROM P/N 26927AX,CAGE 45152,APPROX 26 IN. LG.	1
101	PAFZZ	5305-01-157-5624	45152	1324510	SCREW,TAPPING 5/16-18 X 3/4	4
102	PAFZZ	2510-01-152-7768	45152	1341040	STRAP,DOOR CHECK,VE	2
103	PAFZZ	5365-01-160-4736	45152	1348960	SPACER,PLATE	2
104	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	38
105	PAFZZ	5306-01-156-8678	4R119	SPLE101D05	BOLT,MACHINE	46
106	PBFZZ	2510-01-355-0542	45152	1788750	HINGE,DOOR,VEHICULA	2
107	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1	4
108	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING 1/4-20 NC	4
109	PAFZZ	5310-01-161-9123	45152	1334320	NUT,PLAIN,EXTENDED WASHER	2
110	PAFZZ	5315-01-152-7769	19220	400-52	PIN,STRIKER ASSEMBL	2
111	PAFZZ	2510-01-039-4396	98882	70-7-1	GUIDE,DOVETALE,MALE	2
112	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON 1/4-20 X 3/4	9

END OF FIGURE

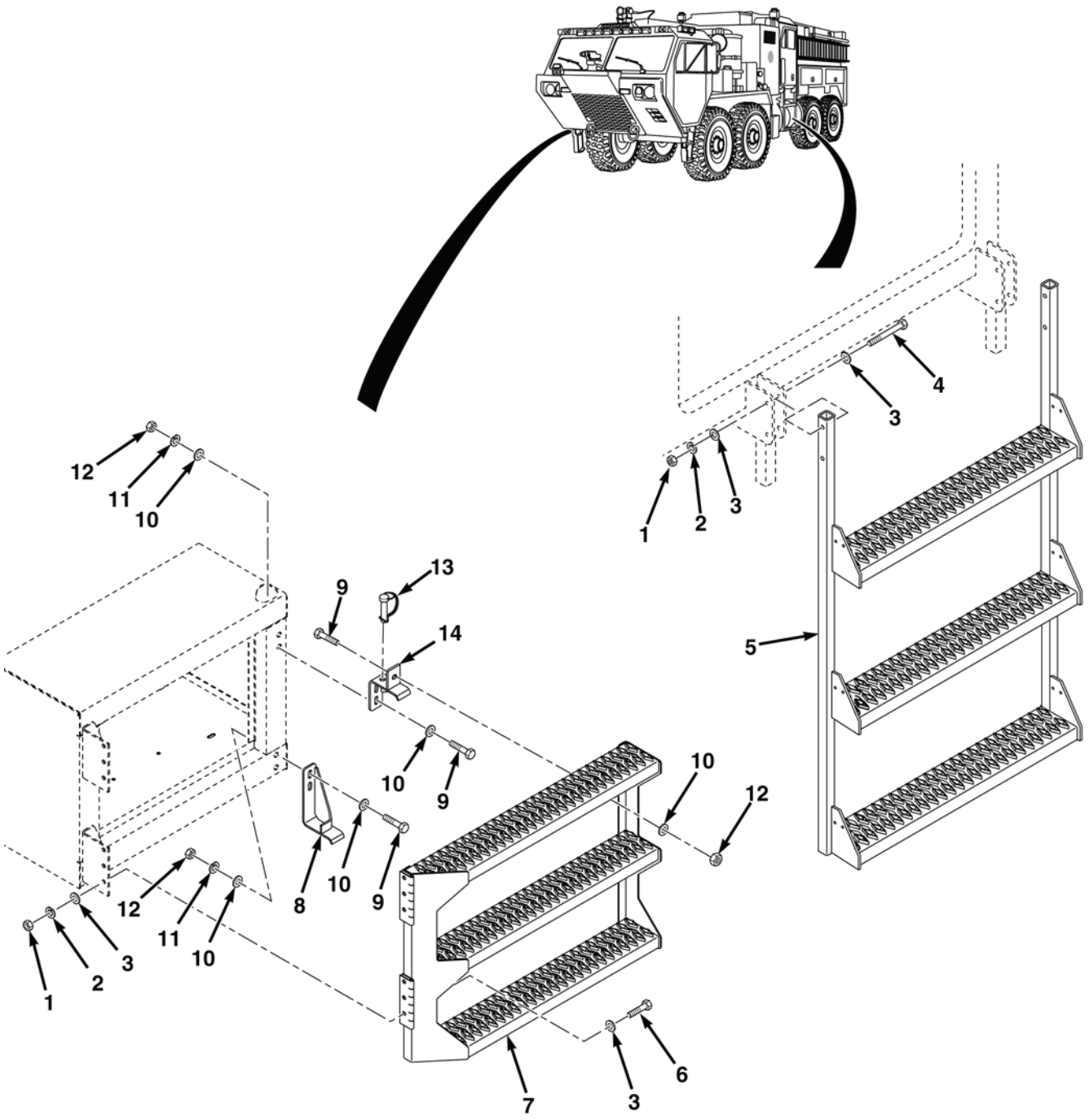


FIG. 120 PERSONEL CAB AND CREW CAB LADDER INSTALLATION (SHEET 1 OF 2)

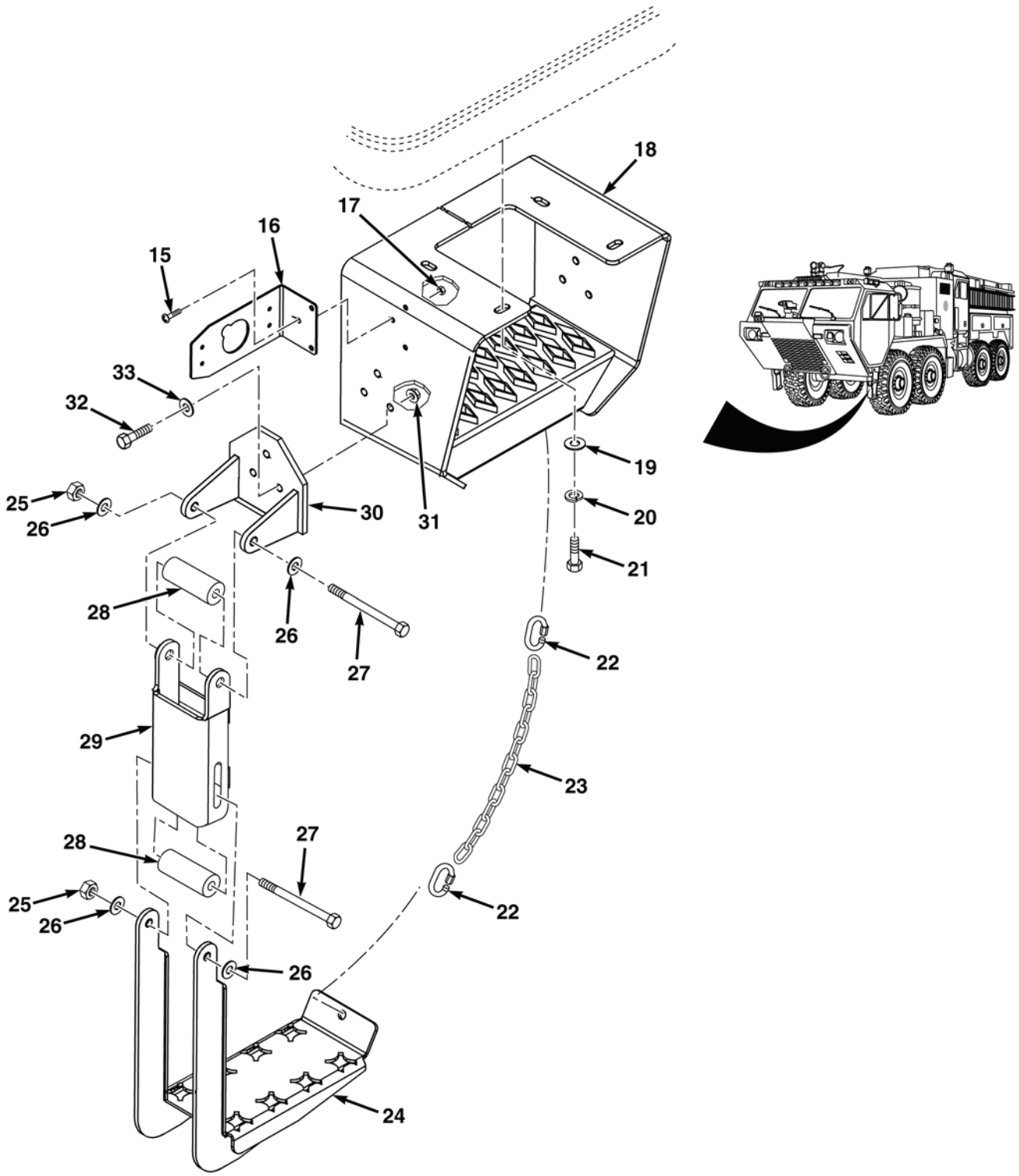


FIG. 120 PERSONEL CAB AND CREW CAB LADDER INSTALLATION (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 120 PERSONEL CAB AND CREW CAB LADDER INSTALLATION	
1	PAFZZ	5310-00-903-1524	96906	MS51972-3	NUT,PLAIN,HEXAGON 3/8-24	16
2	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	16
3	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	32
4	PAFZZ	5305-00-591-9257	80205	MS35308-367	SCREW,CAP,HEXAGON HEAD, 3/8-24 X 2 1/4	4
5	PAFZZ		04664	1136140	LADDER ASSEMBLY	1
6	PAFZZ	5305-00-680-4262	80205	MS35308-360	SCREW,CAP,HEXAGON HEAD, 3/8-24 X 1	12
7	PAFZZ		04664	1136148	LADDER ASSEMBLY	1
8	PFFZZ		04664	1368508	BRACKET,SUPPORT LADDER,BOTTOM	1
9	PAFZZ	5305-00-716-7356	80204	B1821BH056C125N	SCREW,CAP,HEXAGON HEAD, 9/16-12 X 1 1/4	4
10	PAFZZ	5310-00-809-3079	96906	MS27183-19	WASHER,FLAT 9/16	8
11	PAFZZ	5310-00-454-0351	80205	MS35338-114	WASHER,LOCK 1 1/2	4
12	PAFZZ	5310-00-763-8913	96906	MS51967-17	NUT,PLAIN,HEXAGON 9/16-12	4
13	PAFZZ	5315-01-534-6779	39428	98416A012	PIN,STRAIGHT,HEADED 1/4 X 1 3/4	1
14	PFFZZ		04664	1368496	BRACKET,SUPPORT LADDER,TOP	1
15	PAFZZ	5305-01-517-3710	92858	9958.0001	SCREW,MACHINE 10-24 X .50	4
16	PFFZZ		04664	1533527	BRACKET,MARKER	2
17	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24	4
18	PFFZZ		04664	1534666	STEP ASSEMBLY	2
19	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT .312	8
20	PAFZZ	5310-00-933-8122	96906	MS35338-159	WASHER,LOCK .312	8
21	PAFZZ	5305-01-082-0049	11939	93543216	SCREW,CAP,HEX HEAD .312-18 X 1	8
22	PAFZZ	4010-01-396-9451	45152	2052620	LINK,CHAIN,DETACHAB	4
23	PAFZZ		04664	1534833	CHAIN 9" X .38 LINK	4
24	PFFZZ		04664	1533715	STEP,SWING	4
25	PAFZZ	5310-01-477-8639	39428	90640A131	NUT,SELF-LOCKING .375-16 UNC	4
26	PAFZZ	5310-01-517-4812	04664	82-1013-008	WASHER,FLAT .375	8
27	PAFZZ	5305-01-485-6333	45152	2112HX1	SCREW,CAP,HEX .375-16 X 4.50	4
28	PAFZZ	5365-01-357-6257	45152	1783060	SPACER,SLEEVE	4
29	PFFZZ		04664	1533925	LINK,SWING STEP	2
30	PFFZZ		04664	1533662	BRACKET,MOUNTING	2
31	PAFZZ	5310-01-466-7850	5T389	H001145	NUT,SELF-LOCKING .312-18 UNC	6

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
32	PAFZZ	5305-01-082-0049	11939	93543216	SCREW,CAP,HEX HEAD .312-18 X 1 . . .	6
33	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT .312	6

END OF FIGURE

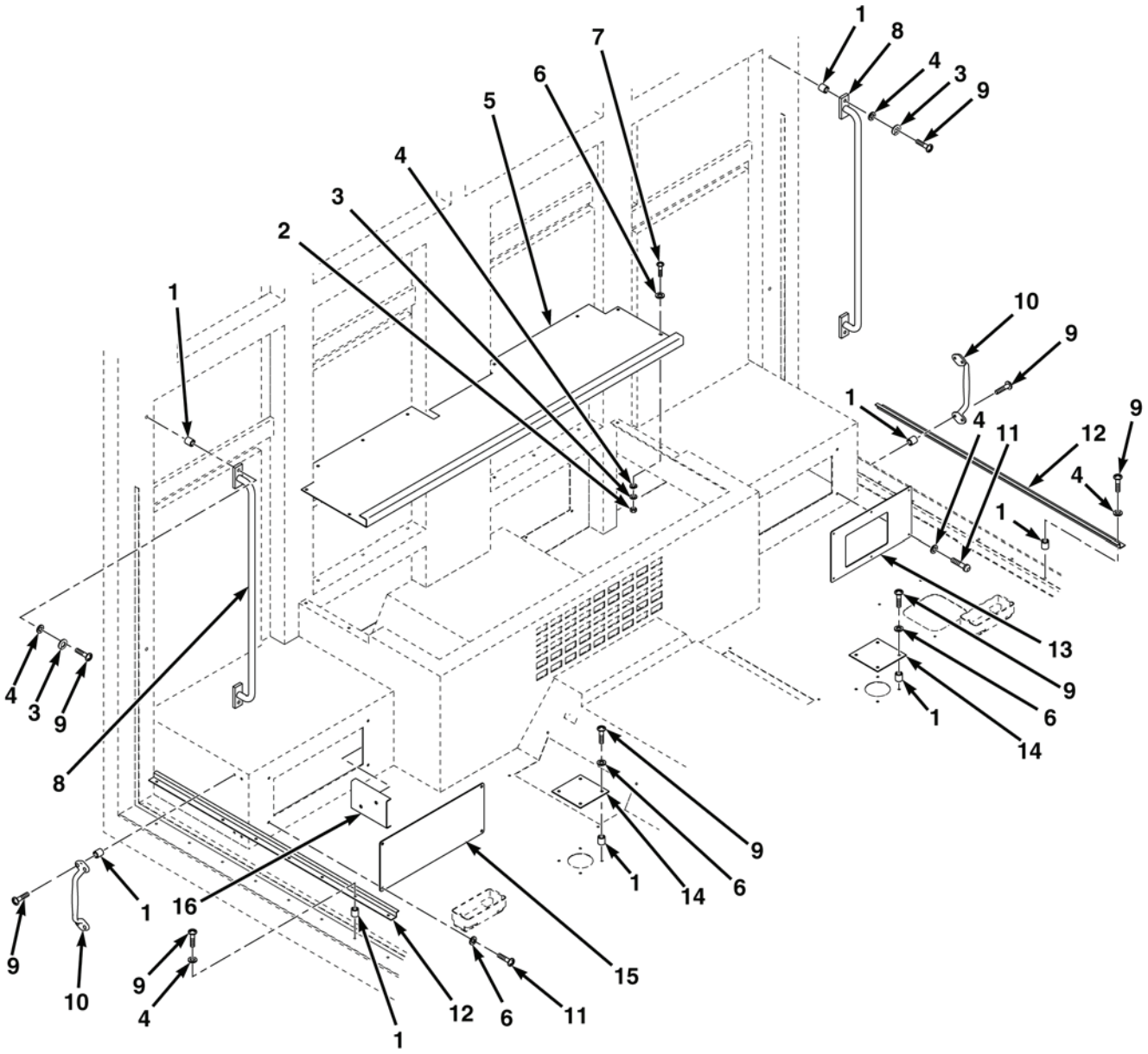


FIG. 121 CREW CAB ASSEMBLY (SHEET 1 OF 3)

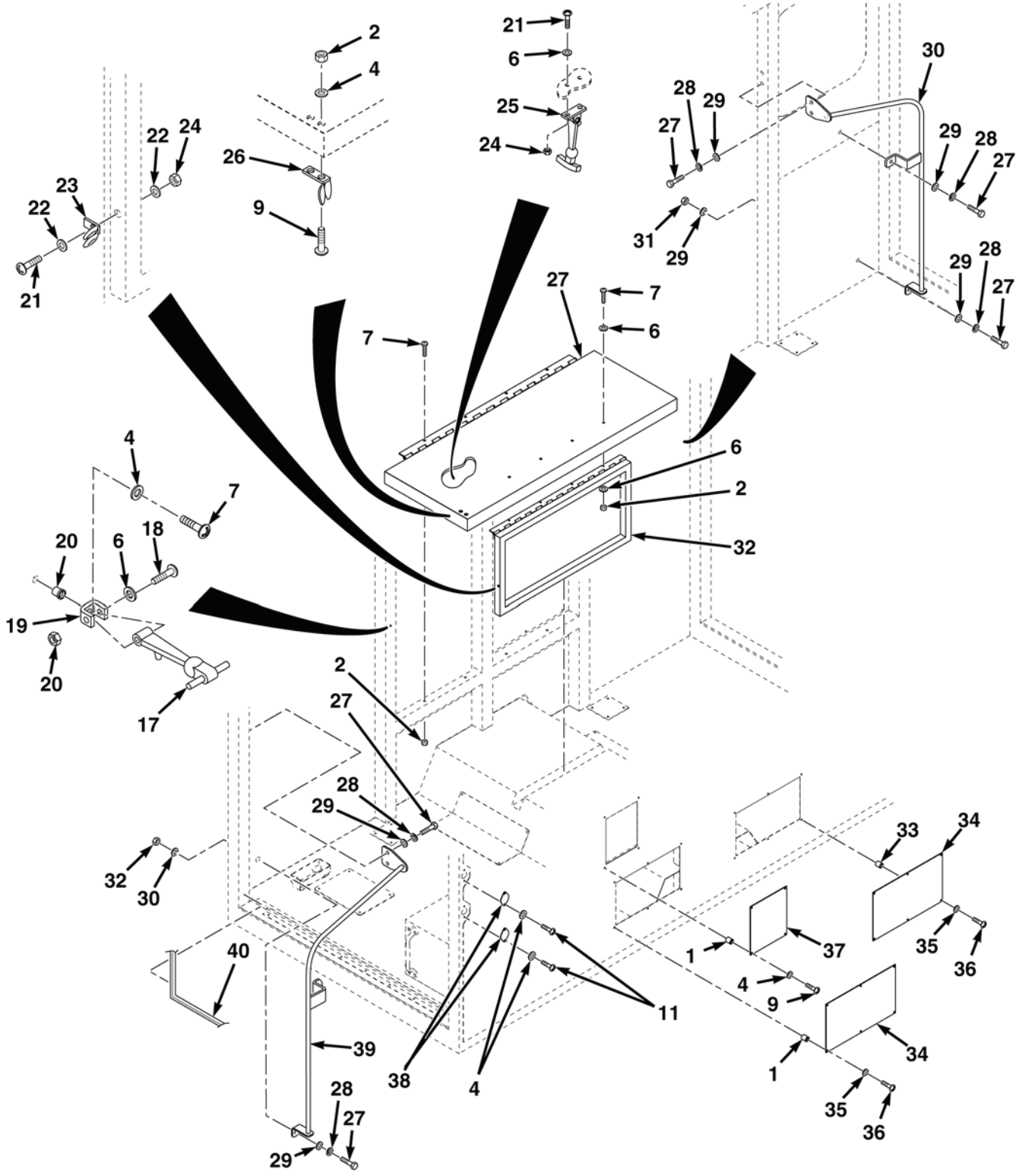


FIG. 121 CREW CAB ASSEMBLY (SHEET 2 OF 3)

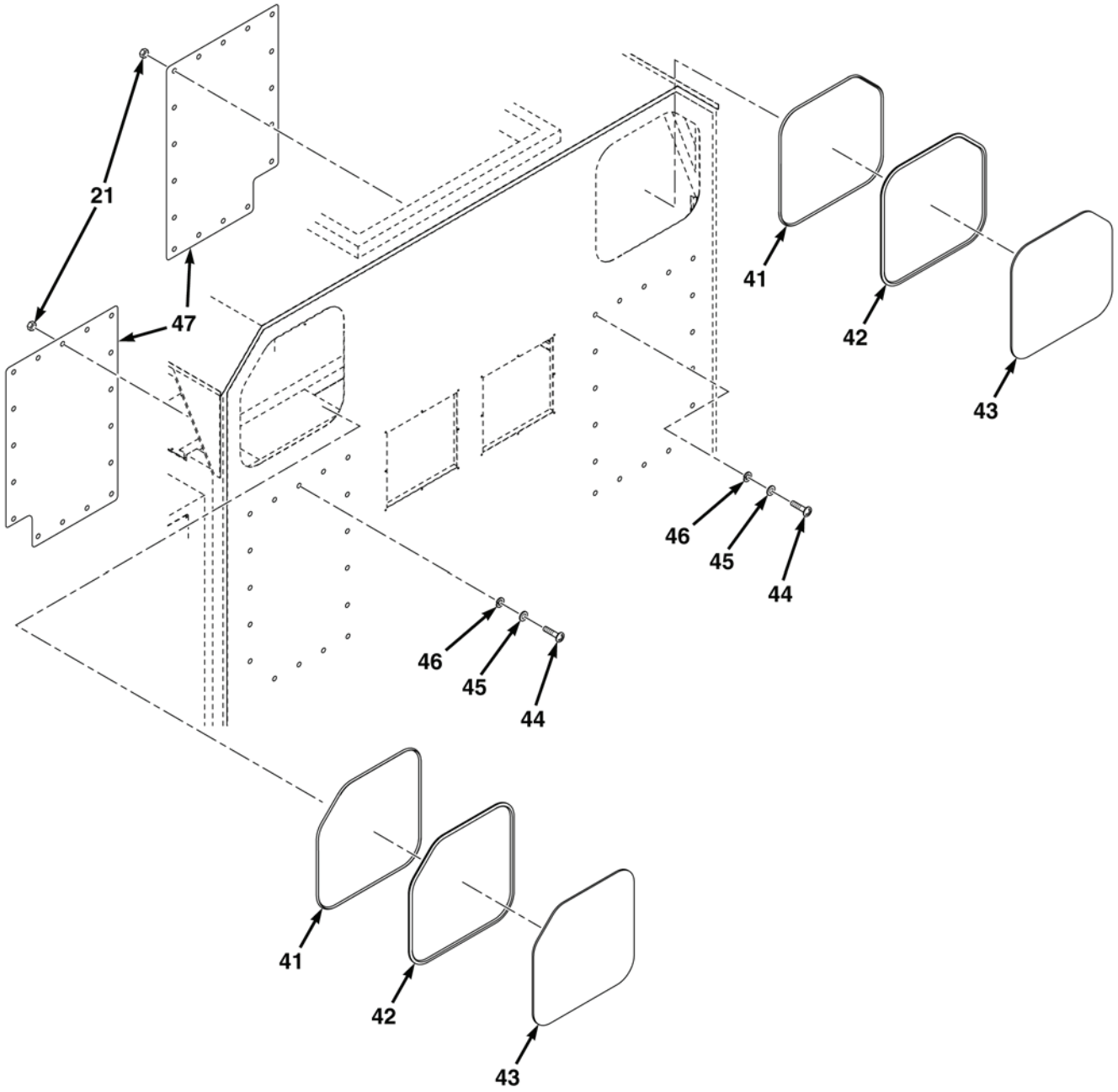


FIG. 121 CREW CAB ASSEMBLY (SHEET 3 OF 3)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 121 CREW CAB ASSEMBLY	
1	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	61
2	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24	16
3	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK 10	10
4	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10	54
5	PFFZZ		04664	1136249	COVER,SEAT BOX A/C DUCT	1
6	PAFZZ	5310-00-809-3079	96906	MS27183-19	WASHER,FLAT NO. 10	32
7	PAFZZ	5305-00-050-9226	96906	MS51957-60	SCREW,MACHINE 10-24 X 0.3125	15
8	PAFZZ		04664	1186201	HANDRAIL ASSEMBLY	2
9	PAFZZ	5305-00-050-9231	96906	MS51957-65	SCREW,MACHINE 10-24 X .75 (SS)	82
10	PAFZZ	5340-01-517-6651	04664	1180392	HANDLE,BOW	2
11	PAFZZ	5305-00-057-9621	96906	MS21207-10-24	SCREW,TAPPING 10-24	14
12	PFFZZ		04664	1136245	PLATE,PROTECTOR FLOOR SEAL	2
13	PAFZZ		04664	1341238	COVER PLATE,BATTERY	1
14	PFFZZ		04664	1136234	PLATE,COVER,FLOOR ROUND HOLE	2
15	PFFZZ		04664	1136233	PLATE,COVER SEAT BOX	1
16	PFFZZ		04664	1347678	BRACKET,MOUNTING RECEPTACLE	1
17	PAFZZ	2540-01-152-7764	64386	67D794	LATCH,HOOD	2
18	PAFZZ	5305-00-071-2086	96906	MS51957-86	SCREW,MACHINE 1/4-20 X 1 3/4	4
19	PAFZZ	5340-01-156-6776	64386	277A801CP	STRAP,RETAINING	2
20	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING 1/4-20 NC	35
21	PAFZZ	5305-00-984-4992	80205	MS35206-232	SCREW,MACHINE 6-32 X .75	5
22	PAFZZ	5310-00-983-8483	96906	MS27183-5	WASHER,FLAT NO. 6	4
23	PFFZZ	2590-01-517-2878	04664	1331040	BRACKET,VEHICULAR C	2
24	PAFZZ	5310-01-239-9412	39428	90101A007	NUT,PLAIN,HEXAGON 6-32	4
25	PAFZZ	2590-01-133-7630	27182	35-S	LATCH,HOOD SPRING LOADED	2
26	PFFZZ		04664	1136222	PLATFORM ASSEMBLY OPERATOR	1
27	PAFZZ	5305-00-781-3926	80204	B1821BH038C275N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 2 3/4	6
28	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	6
29	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	12
30	PAFZZ		04664	1084401	HANDRAIL,RH ACCESS	1
31	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	6
32	PAFZZ	5325-01-395-1247	78276	ALS4-420-260	INSERT,SCREW THREAD .25-20	10

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
33	PAFZZ	2510-01-517-3712	04664	1136217	FRAME,STRUCTURAL,VE OPERATORS PLATFORM	1
34	PFFZZ		04664	1218731	PLATE,COVER,REAR WA	2
35	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	14
36	PAFZZ	5305-00-082-6721	96906	MS51957-81	SCREW,MACHINE 1/4-20 X 3/4	12
37	PFFZZ		04664	1136235	PLATE,COVER,FLOOR SQUARE HOLE	1
38	PFFZZ		04664	1136232	PLATE,COVER STRIKER LATCH	4
39	PAFZZ		04664	1084395	HANDRAIL,LH ACCESS	1
40	MFFZZ		04664	1152258-190	SEAL,DOOR MAKE FROM P/N 2-0724, CAGE 56329,APPROX 190 IN. LG	2
41	PAFZZ	5330-00-770-0707	45152	59745AX	SEAL,NONMETALLIC ST	2
42	MFFZZ		45152	59747AX-82	SEAL,NONMETALLIC SP MAKE FROM P/N 101-2203,CAGE 55899,APPROX 82 IN. LG	2
43	PAFZZ	9340-01-152-2686	45152	123269C	WINDOW,OBSERVATION CREW CAB	2
44	PAFZZ	5305-00-071-2511	80204	B1821BH025C200N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 2	34
45	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	34
46	PAFZZ	5310-00-407-9566	80205	MS35338-45	WASHER,LOCK 5/16	34
47	PFFZZ		04664	1388957	COVER,ACCESS CREW CAB	2

END OF FIGURE

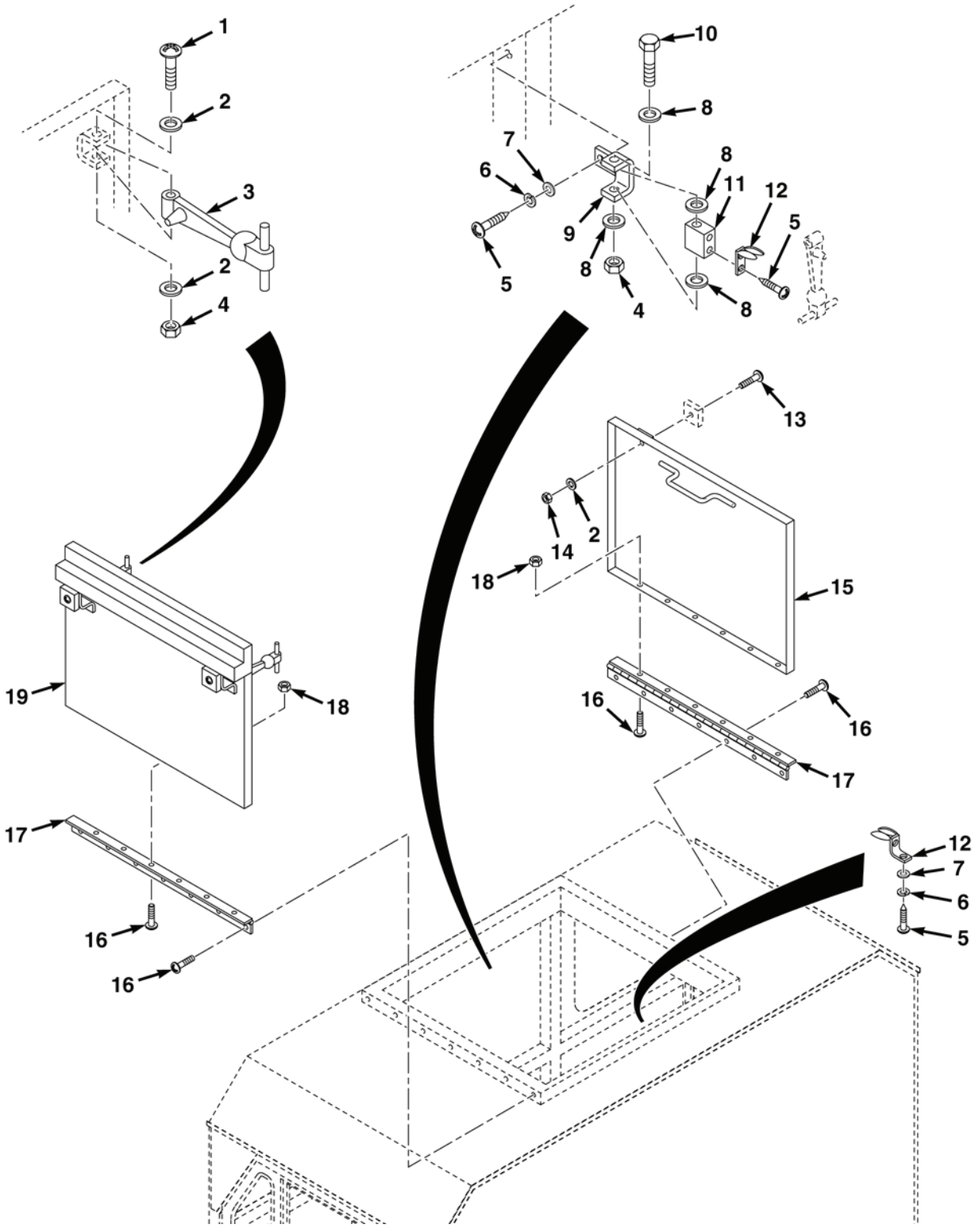


FIG. 122 CREW CAB ROOF HATCH INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 122 CREW CAB ROOF HATCH INSTALLATION	
1	PAFZZ	5305-00-071-2086	96906	MS51957-86	SCREW,MACHINE 1/4-20 X 1 3/4	2
2	PAFZZ	5310-00-950-1403	80205	MS15795-853	WASHER,FLAT 1/4	6
3	PAFZZ	2540-01-152-7764	64386	67D794	LATCH,HOOD	2
4	PAFZZ	5310-01-517-4207	81118	C844-1420	NUT,SHEET SPRING	3
5	PAFZZ	5305-00-057-9621	96906	MS21207-10-24	SCREW,TAPPING 10-24	3
6	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	1
7	PAFZZ	5310-01-517-4814	04664	82-1017-002	WASHER,FLAT	2
8	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	8
9	PFFZZ		04664	1341215	BRACKET,PIVOT,DRAW	1
10	PAFZZ	5305-00-655-6974	18876	9166186	SCREW,CAP,HEXAGON H 1/4-20 X 2 1/2	1
11	PAFZZ		04664	1341216	BLOCK,PIVOT,DRAW LA	1
12	PFFZZ	2590-01-517-2878	04664	1331040	BRACKET,VEHICULAR C	2
13	PAFZZ	5305-01-517-3894	04664	82-2077-0150	SCREW,TAPPING 5/16-18 X 7/16	2
14	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING 1/4-20 NC	2
15	PFFZZ		04664	1340237	COVER ASSEMBLY,HATC	1
16	PAFZZ	5305-00-984-6207	80205	MS35206-260	SCREW,MACHINE 10-24 X 5/16	24
17	PBFZZ		04664	1322022	HINGE,CREW CAB HATC	2
18	PAFZZ	5310-01-557-0654	0Y3H3	1137407	NUT,PLAIN,HEX 10-24	24
19	PFFZZ		04664	1332034	COVER ASSY,HATCH LO	1
					END OF FIGURE	

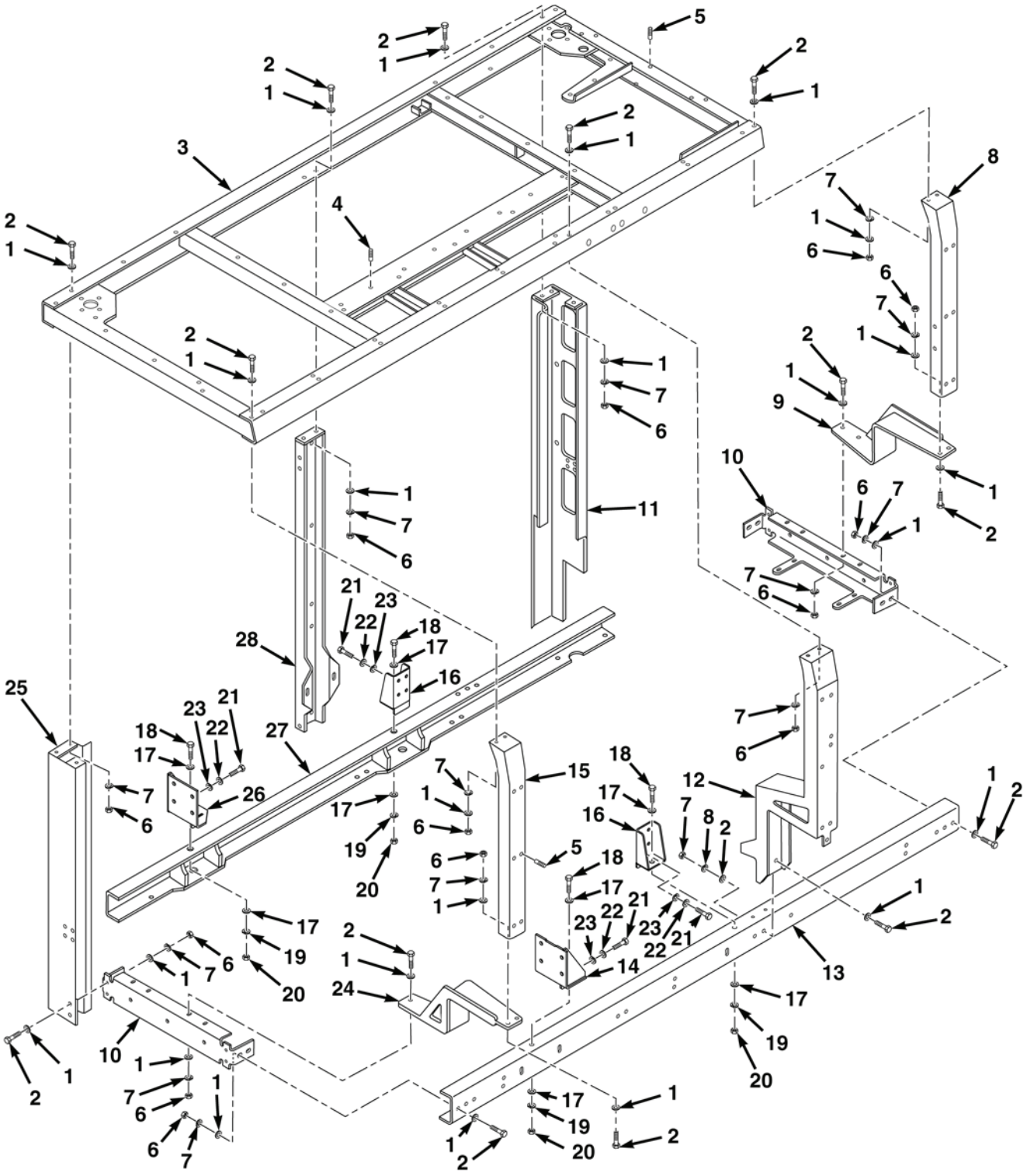


FIG. 123 PUMP HOUSE FRAME ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 123 PUMP HOUSE FRAME ASSEMBLY	
1	PAFZZ	5310-01-522-6093	04664	82-1013-0038	WASHER,FLAT 3/8	90
2	PAFZZ	5305-01-517-2284	04664	81-0270-125	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/4	41
3	PFFZZ		04664	1330457	SUPPORT ASSEMBLY,FR	1
4	PAFZZ	5325-01-517-2278	04664	82-0257-0003	INSERT,SCREW THREAD 1/4-20	19
5	PAFZZ	5325-01-517-2270	04664	82-0257-0002	INSERT,SCREW THREAD 1/4-20	109
6	PAFZZ	5305-00-051-2325	80205	MS51958-94	SCREW,MACHINE 5/16-24 X 1/20	45
7	PAFZZ	5310-01-517-9775	04664	82-1011-0038	WASHER,SPRING 3/8	45
8	PFFZZ		04664	1330581	SUPPORT,TOP FRONT,L PUMPHOUSE	1
9	PFFZZ		04664	1334016	SUPPORT,BODY,FRONT	1
10	PFFZZ		04664	1333835	CHANNEL,FORMED	2
11	PFFZZ		04664	1333270	CHANNEL,SUPPORT FRONT BODY	1
12	PFFZZ		04664	1327890	SUPPORT,FRONT BODY, CENTER FRONT	1
13	PFFZZ		04664	1321052	CHANNEL,MOUNTING,FT DEUTZ MOTOR	1
14	PAFZZ		04664	1324587	ANGLE,MOTOR MTG PS,FRT	1
15	PFFZZ		04664	1357792	SUPPORT,TOP FRONT,R PUMPHOUSE	1
16	PAFZZ		04664	1324581	ANGLE,MOTOR MTG DS,FRT,RR	2
17	PAFZZ	5310-00-584-7799	80205	MS15795-822	WASHER,FLAT .842	4
18	PAFZZ	5305-00-947-4352	80204	B1821BH075C125N	SCREW,CAP,HEXAGON HEAD, 3/4-10 X 1 1/4	4
19	PAFZZ	5310-00-584-7888	96906	MS35338-51	WASHER,LOCK 3/4	4
20	PAFZZ	5310-00-763-8922	96906	MS51967-24	NUT,PLAIN,HEXAGON 3/4-10	4
21	PAFZZ	5306-01-435-6113	80204	B18234B12030N	BOLT,MACHINE 1.75MM -12.0MM X 30.4MM	16
22	PAFZZ	5310-01-483-7151	10237	130012-12	WASHER,FLAT	16
23	PAFZZ	5310-01-483-6027	10237	130014-12	WASHER,LOCK	16
24	PFFZZ		04664	1333303	SUPPORT,FRONT PUMPHOUSE	1
25	PFFZZ		04664	1337798	CHANNEL,SUPPORT FRONT BODY	1
26	PAFZZ		04664	1324588	ANGLE,MOTOR MTG PS,RR	1
27	PFFZZ		04664	1321053	CHANNEL,MOUNTING,RR DEUTZ MOTOR	1
28	PFFZZ		04664	1332874	CHANNEL,SUPPORT FRONT BODY	1
					END OF FIGURE	

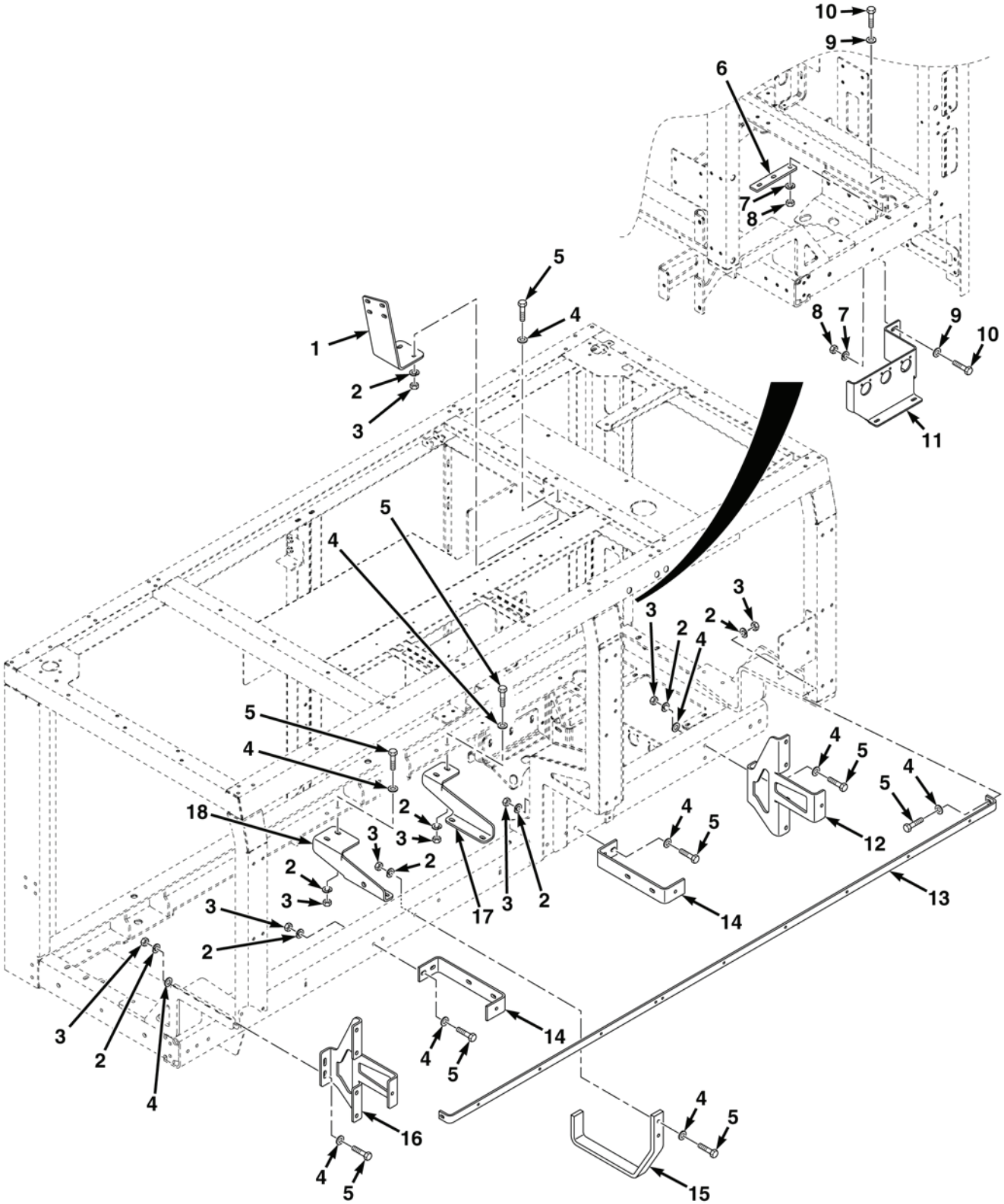


FIG. 124 PUMP HOUSE BRACKETS (SHEET 1 OF 2)

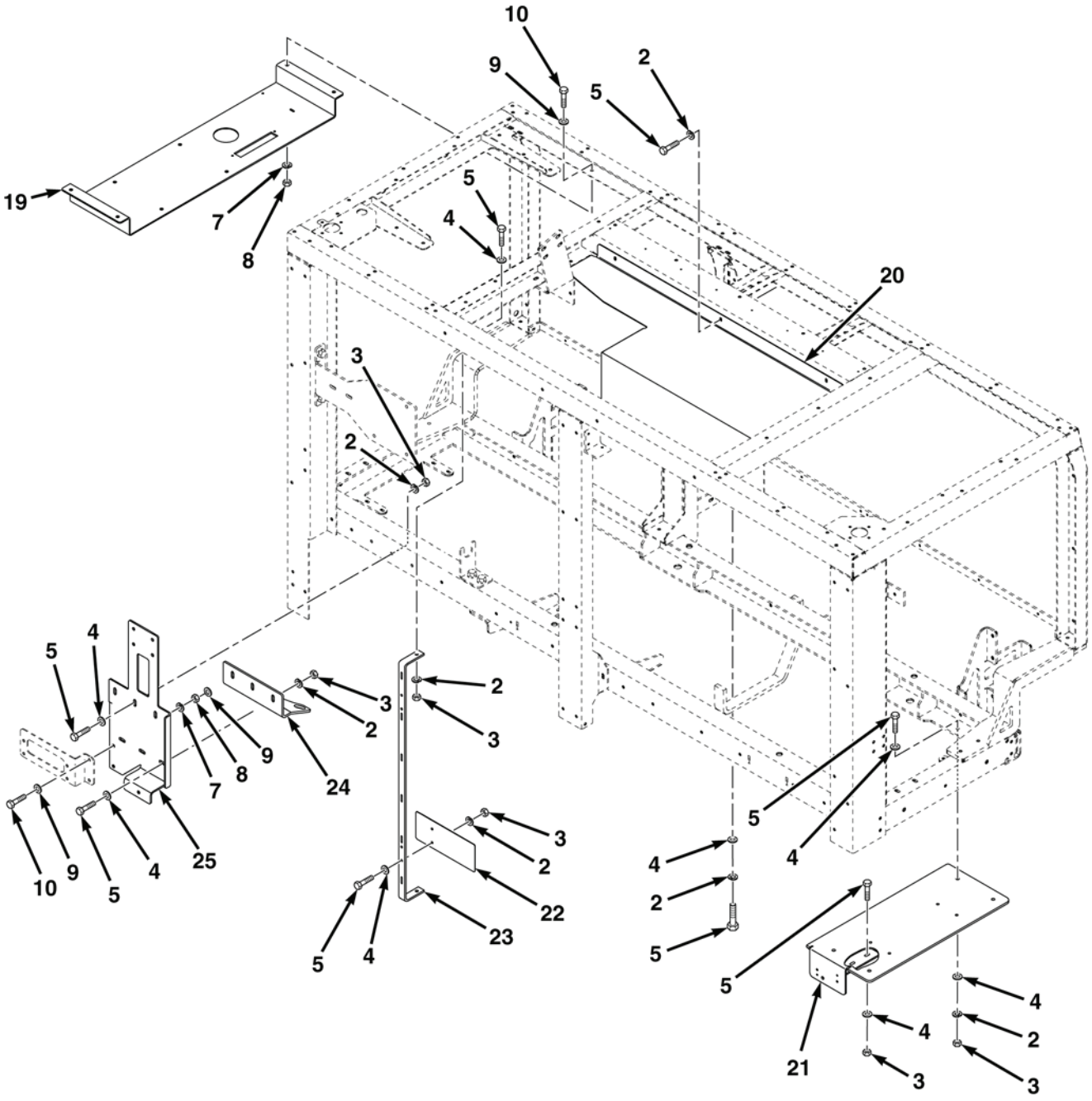


FIG. 124 PUMP HOUSE BRACKETS (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 124 PUMP HOUSE BRACKETS	
1	PFFZZ		04664	1282394	BRACKET,MOUNTING METERING VALVE	1
2	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	54
3	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	54
4	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	54
5	PAFZZ	5305-00-543-2419	80204	B1821BH038C113N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/8	54
6	PFFZZ		04664	1291056	BRACKET,MOUNTING FOAM VALVE	1
7	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	16
8	PAFZZ	5310-00-250-9477	80205	MS35649-2254	NUT,PLAIN,HEXAGON	16
9	PAFZZ	5310-01-103-6042	96906	MS51412-4	WASHER,FLAT 1/4	16
10	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON 1/4-20 X 3/4	16
11	PFFZZ		04664	1346223	BRACKET, MOUNTING DRAIN, DS	1
12	PAFZZ		04664	1334846	SUPPORT,PIPES FRONT SHEET	1
13	PFFZZ		04664	1357819	BRACKET,SUPPORT HARNESS	1
14	PFFZZ		04664	1345477	BRACKET, MOUNTING DISCHARGE	2
15	PFFZZ		04664	1334924	BRACKET,MOUNTING FOAM HOSE	1
16	PAFZZ		04664	1334735	SUPPORT,PIPES FRONT SHEET	1
17	PFFZZ		04664	1345320	BRACKET,MOUNTING,LH TANK TO PUMP	1
18	PFFZZ		04664	1337762	BRACKET,MOUNTING TANK TO PUMP	1
19	PFFZZ	5340-01-517-4822	04664	1335868	BRACKET,MOUNTING	1
20	PFFZZ		04664	1346472	SHIELD,HEAT TOP MOUNT	1
21	PFFZZ		04664	1345946	BRACKET, MOUNTING DRAIN, PS	1
22	PFFZZ		04664	1370640	GUARD,WIRE BUNDLE	1
23	PAFZZ		04664	1350615	BRACKET,SUPPORT WIRE BUNDLE	1
24	PFFZZ		04664	1343074	BRACKET,MAIN INLET	1
25	PFFZZ		04664	1259058	BRACKET,MAIN INLET PRIMER TANK	1
					END OF FIGURE	

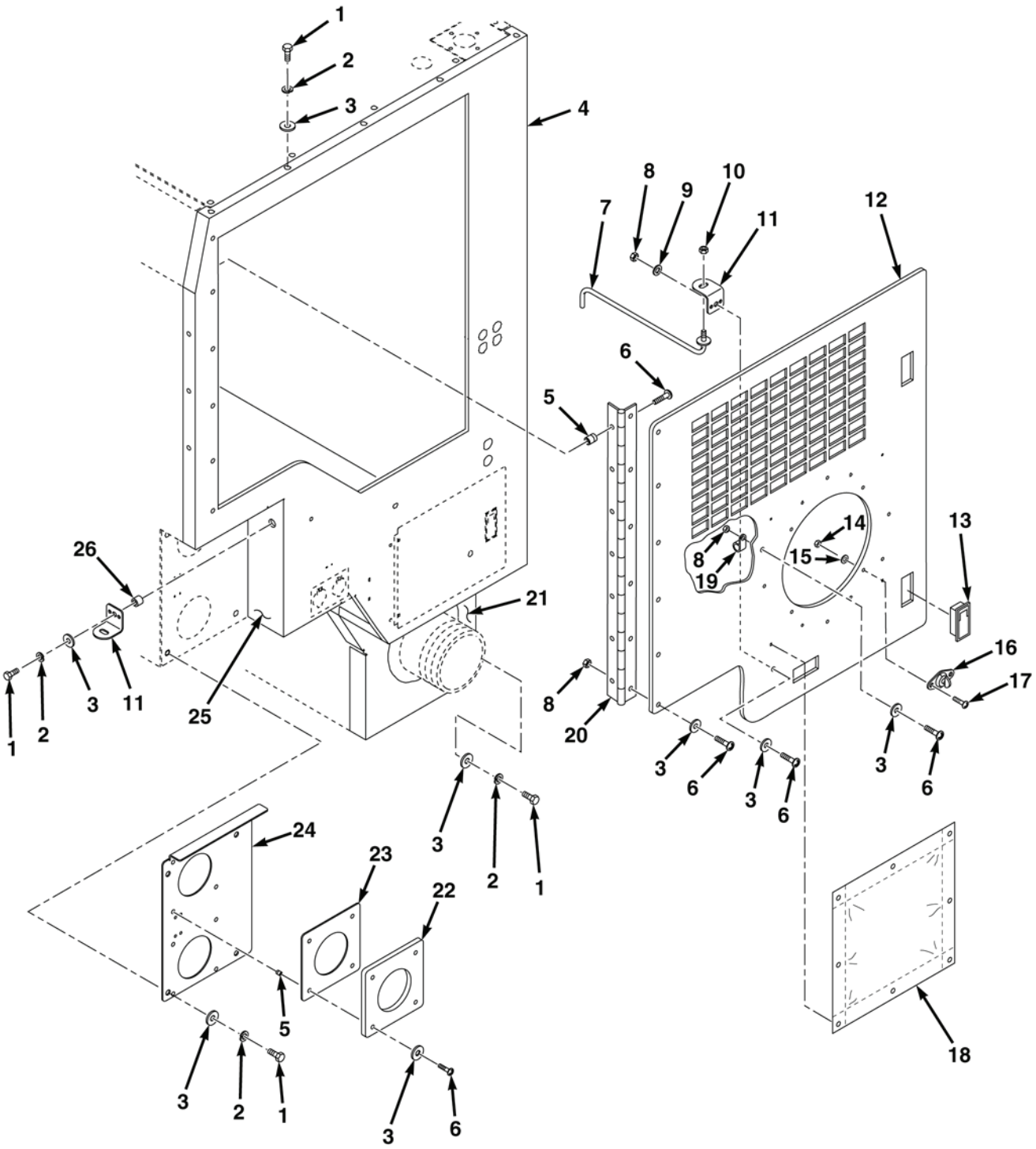


FIG. 125 PUMP HOUSE ASSEMBLY (SHEET 1 OF 4)

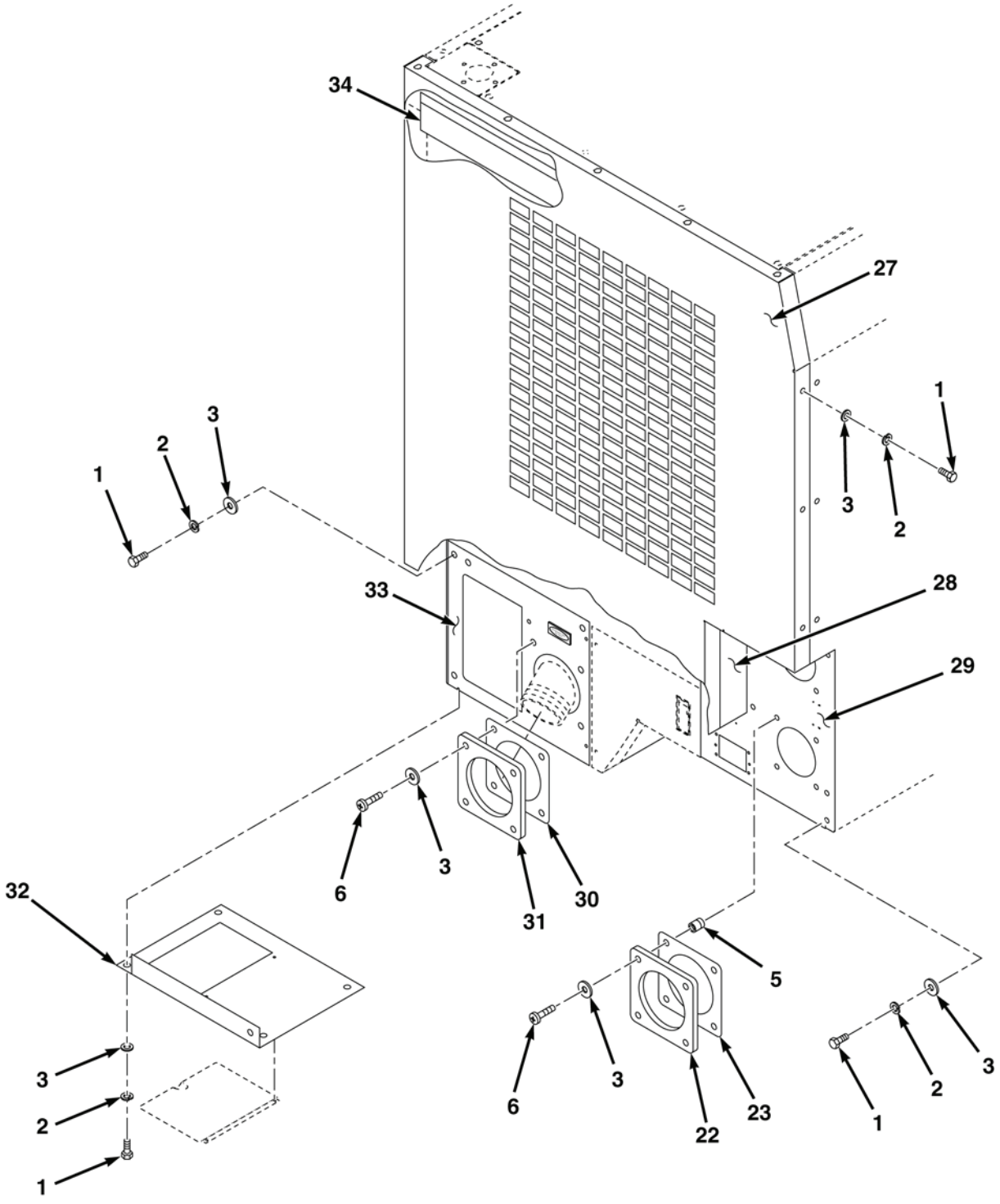


FIG. 125 PUMP HOUSE ASSEMBLY (SHEET 2 OF 4)

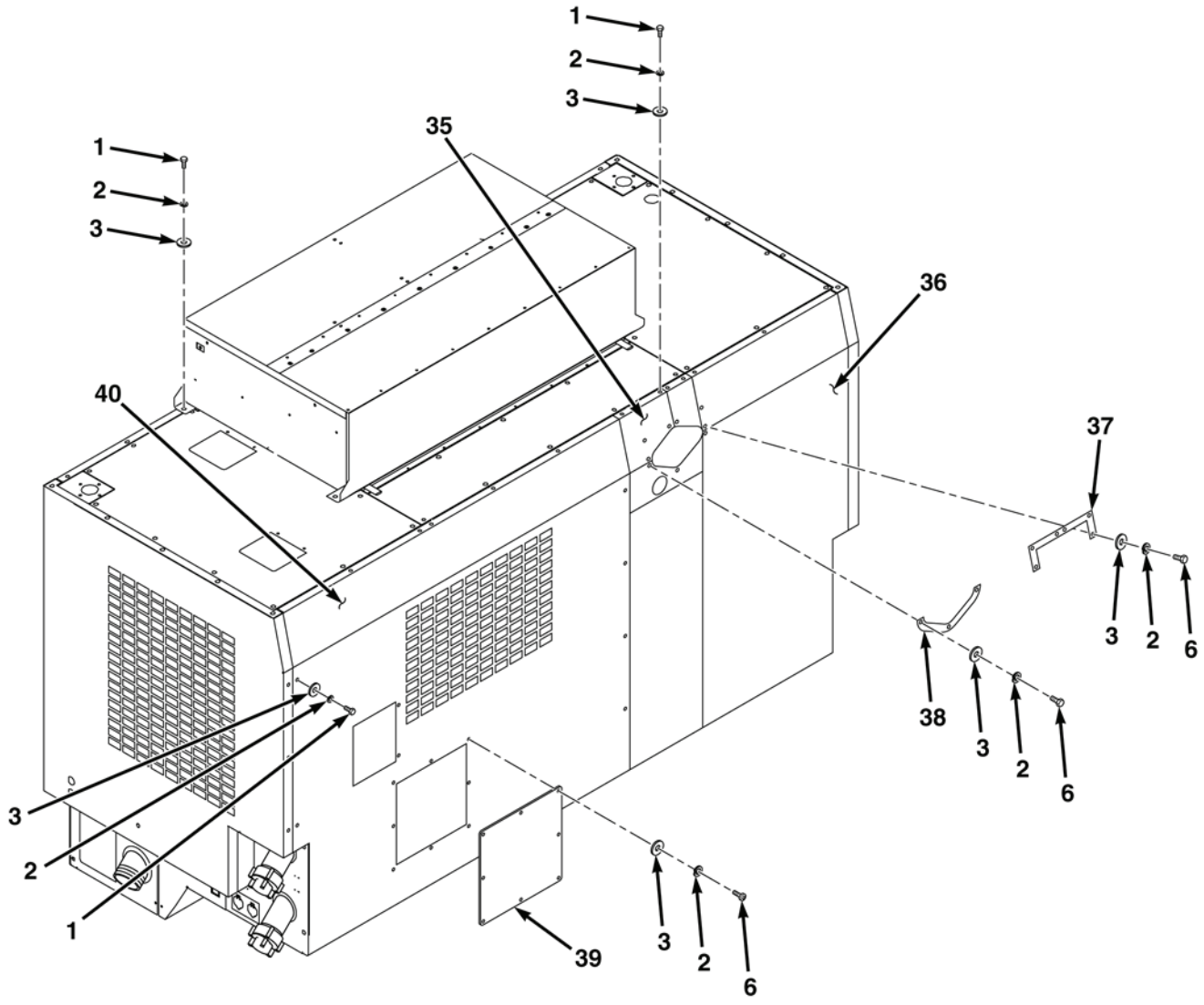


FIG. 125 PUMP HOUSE ASSEMBLY (SHEET 3 OF 4)

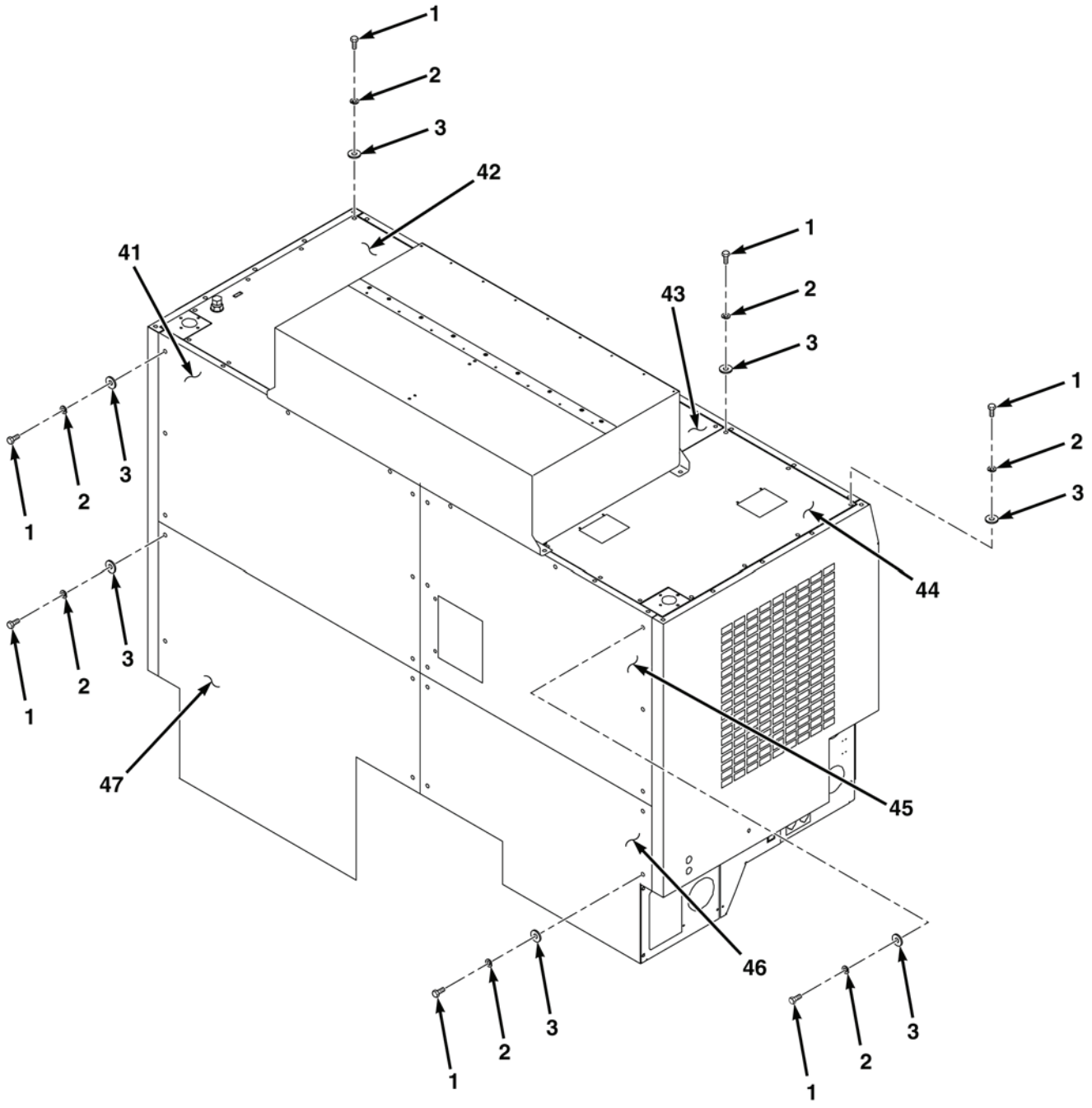


FIG. 125 PUMP HOUSE ASSEMBLY (SHEET 4 OF 4)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 125 PUMP HOUSE ASSEMBLY	
1	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON 1/4-20 X 3/4. . .	137
2	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	137
3	PAFZZ	5310-01-517-5998	0LBS5	F-XWFDS.25X1.25	WASHER,FLAT 1/4	137
4	PFFZZ		04664	1081878	PANEL,PUMPHOUSE,LH PANEL B	1
5	PAFZZ	5325-01-414-7133	78276	ALS7-1024-225	INSERT,SCREW THREAD 10-24	41
6	PAFZZ	5305-00-988-1727	80205	MS35206-283	SCREW,MACHINE 1/4-20 X 1.	52
7	PAFZZ		04664	1348957	ROD,PROP	1
8	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	10
9	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	4
10	PAFZZ	5310-01-477-8639	39428	90640A131	NUT,SELF-LOCKING 3/8-16	1
11	PFFZZ		04664	1395280	BRACKET,DOOR PROP	2
12	PFFZZ		04664	1334734	COVER,PUMP PANEL,LH PANEL A. . . .	1
13	PAFZZ	5340-01-111-2451	96214	805435-3	LEVER,LOCK-RELEASE.	1
14	PAFZZ	5310-00-934-9757	96906	MS35649-282	NUT,PLAIN,HEXAGON	16
15	PAFZZ	5310-00-983-8483	96906	MS27183-5	WASHER,FLAT NO. 6	16
16	PAFZZ	5325-01-517-5850	3942A	95678A671	NUT,SELF-LOCKING.	8
17	PAFZZ	5305-00-984-6193	80205	MS35206-245	SCREW,MACHINE .164-32 X 1/2	16
18	PFFZZ	5340-01-517-2738	04664	1351740	COVER,ACCESS.	1
19	PAFZZ	5340-00-385-8820	75272	C0V0909	CLAMP,LOOP	2
20	PBFZZ		04664	1395381	HINGE,PUMPHOUSE DOO	1
21	PFFZZ		04664	1340264	BLISTER,PUMPHOUSE L PANEL C. . . .	1
22	PAFZZ		04664	1351326	GARNISH RING,OUTLET	4
23	PFFZZ	5330-01-517-2731	04664	1365919	GASKET.	1
24	PFFZZ		04664	1338256	BLISTER,PUMPHOUSE,L OUTLET, PANEL D	1
25	PAFZZ		04664	1346614	BLISTER,PUMPHOUSE,L OUTLET, PANEL E	1
26	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20.	2
27	PFFZZ		04664	1334356	PANEL,OVER PUMP,RH PANEL J	1
28	PFFZZ		04664	1275956	BLISTER,PUMPHOUSE,R OUTLET, PANEL N	1
29	PFFZZ		04664	1084399	BLISTER,OUTLET,RH PUMPHOUSE, PANEL L.	1
30	PAFZZ	5330-01-517-3780	04664	1365921	GASKET.	1
31	PAFZZ		04664	1352803	GARNISH RING,OUTLET	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
32	PFFZZ		04664	1277644	PANEL,UNDER PUMP,RH PANEL K	1
33	PFFZZ		04664	1340263	BLISTER,PUMPHOUSE R PANEL M	1
34	PAFZZ	5330-01-517-8528	2L480	ED-5340	SEAL,NONMETALLIC SP	1
35	PFFZZ		04664	1342850	PANEL,FRONT,CENTER PUMPHOUSE, PANEL H	1
36	PFFZZ		04664	1334884	PANEL,FRONT,LH PUMPHOUSE, PANEL I	1
37	PAFZZ		04664	1343749	RING,GARNISH PUMPHOUSE	1
38	PAFZZ		04664	1341839	RING,GARNISH	1
39	PFFZZ		04664	1338753	ACCESS PANEL PUMPHOUSE, PANEL F	1
40	PFFZZ		04664	1335157	PANEL,FRONT,RH PUMPHOUSE, PANEL G	1
41	PFFZZ		04664	1334993	PANEL,REAR,HIGH,RH PUMPHOUSE, PANEL Q	1
42	PFFZZ		04664	1335862	PANEL,TOP,LH PUMPHOUSE, PANEL S	1
43	PFFZZ		04664	1335863	PANEL,TOP,CENTER PUMPHOUSE, PANEL T	1
44	PFFZZ		04664	1335864	PANEL,TOP,RH PUMPHOUSE, PANEL U	1
45	PFFZZ		04664	1339019	PANEL,PUMPHOUSE,RH PANEL O	1
46	PFFZZ		04664	1334995	PANEL,REAR,LOW,RH PUMPHOUSE, PANEL P	1
47	PFFZZ		04664	1334212	PANEL,PUMPHOUSE,RH PANEL R	1

END OF FIGURE

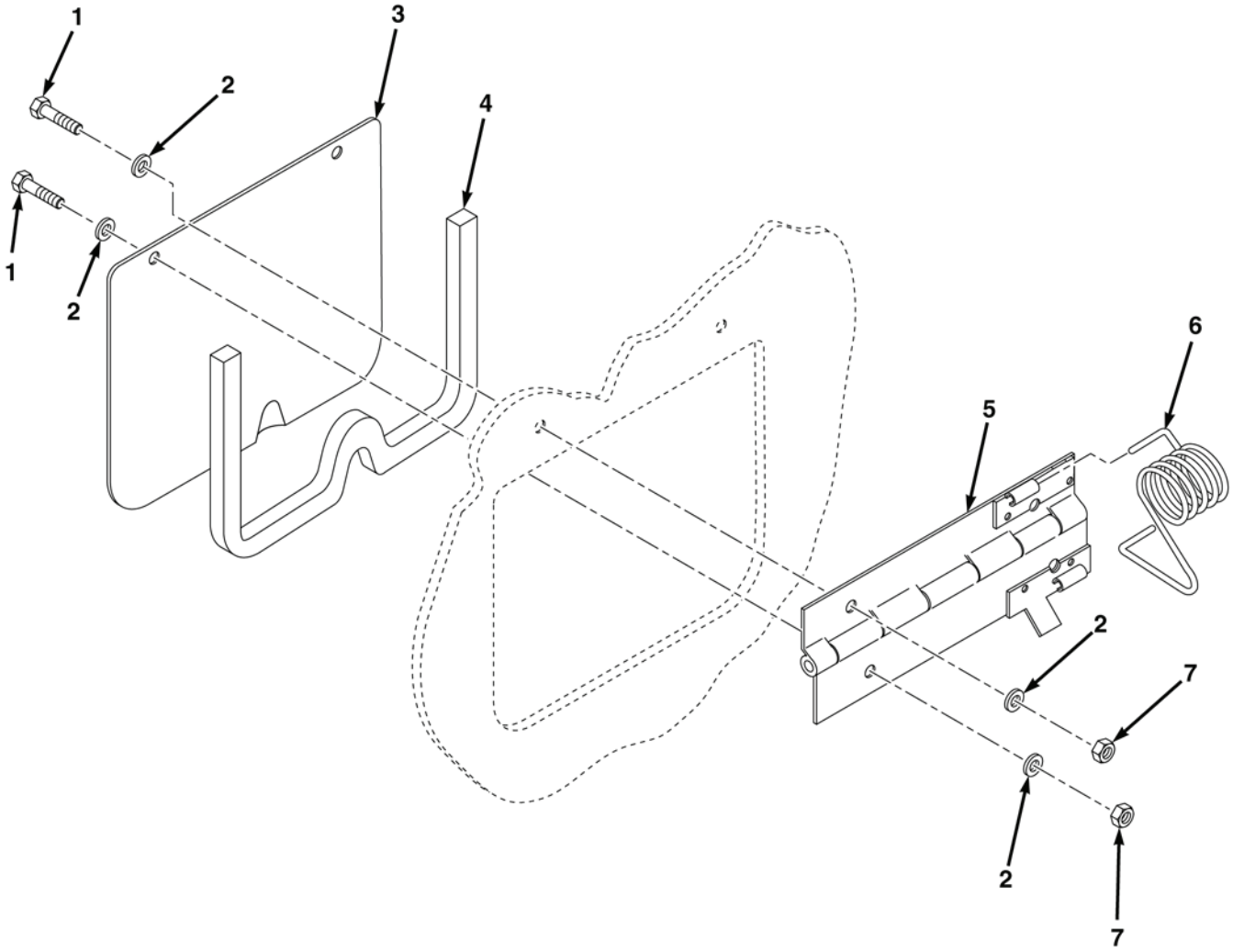


FIG. 126 DOOR ASSEMBLY (1235470)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 126 DOOR ASSEMBLY (1235470)	
1	PAFZZ	5305-00-984-6210	80205	MS35206-263	SCREW,MACHINE 10-24 X 5/8	4
2	PAFZZ	5310-01-517-4200	04664	82-1017-001	WASHER,FLAT 1/4	8
3	PAFZZ		04664	1347675	DOOR,ACCESS	1
4	MFFZZ	5330-01-517-4840	04664	943064-12	RUBBER,D-SECTION MAKE FROM P/N 1085-3017,CAGE 56329,APPROX 12 IN. LG	1
5	PBFZZ		04664	1235468	HINGE ASSY ACCESS DOOR	1
6	PAFZZ	5360-01-517-3771	94222	23-1-11-12	SPRING,HELICAL,COMP	1
7	PAFZZ	5310-00-003-9264	96906	MS25082-C6	NUT,PLAIN,HEXAGON 3/8-24	4
					END OF FIGURE	

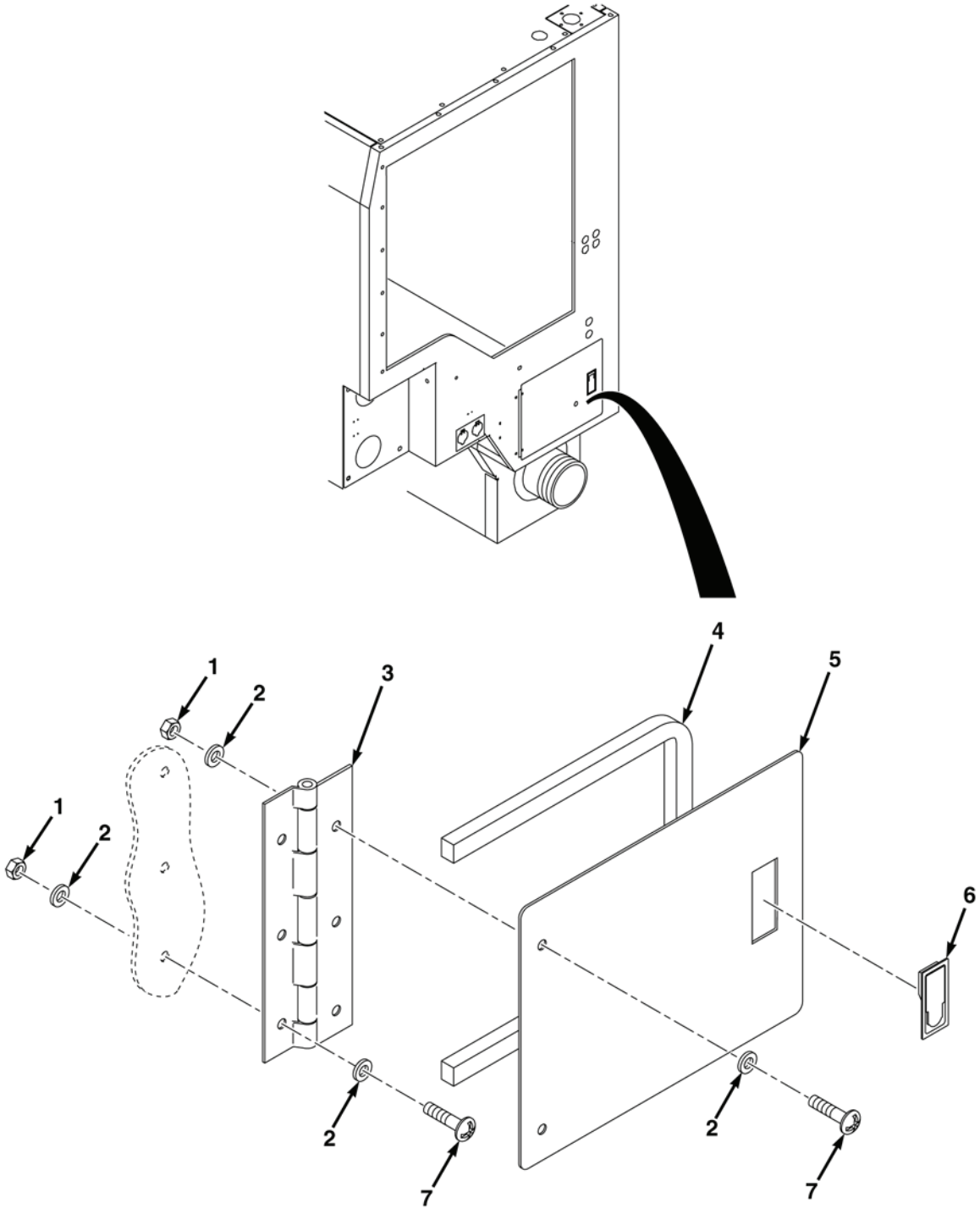


FIG. 127 DOOR ASSEMBLY (1355266)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 127 DOOR ASSEMBLY (1355266)	
1	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	5
2	PAFZZ	5310-01-517-4200	04664	82-1017-001	WASHER,FLAT 1/4	10
3	PBFZZ	5340-01-559-1974	04664	1339474	HINGE,REVERSED ACCESS DOOR . . .	1
4	MFFZZ		04664	943064-12	RUBBER,D-SECTION MAKE FROM P/N 1085-3017,CAGE 56329,APPROX 12 IN. LG.	1
5	PFFZZ	5340-01-559-1078	04664	1343091	DOOR,ACCESS.	1
6	PAFZZ	5340-01-111-2451	96214	805435-3	LEVER,LOCK-RELEASE.	1
7	PAFZZ	5305-00-984-6210	80205	MS35206-263	SCREW,MACHINE 10-24 X 5/8.	5
					END OF FIGURE	

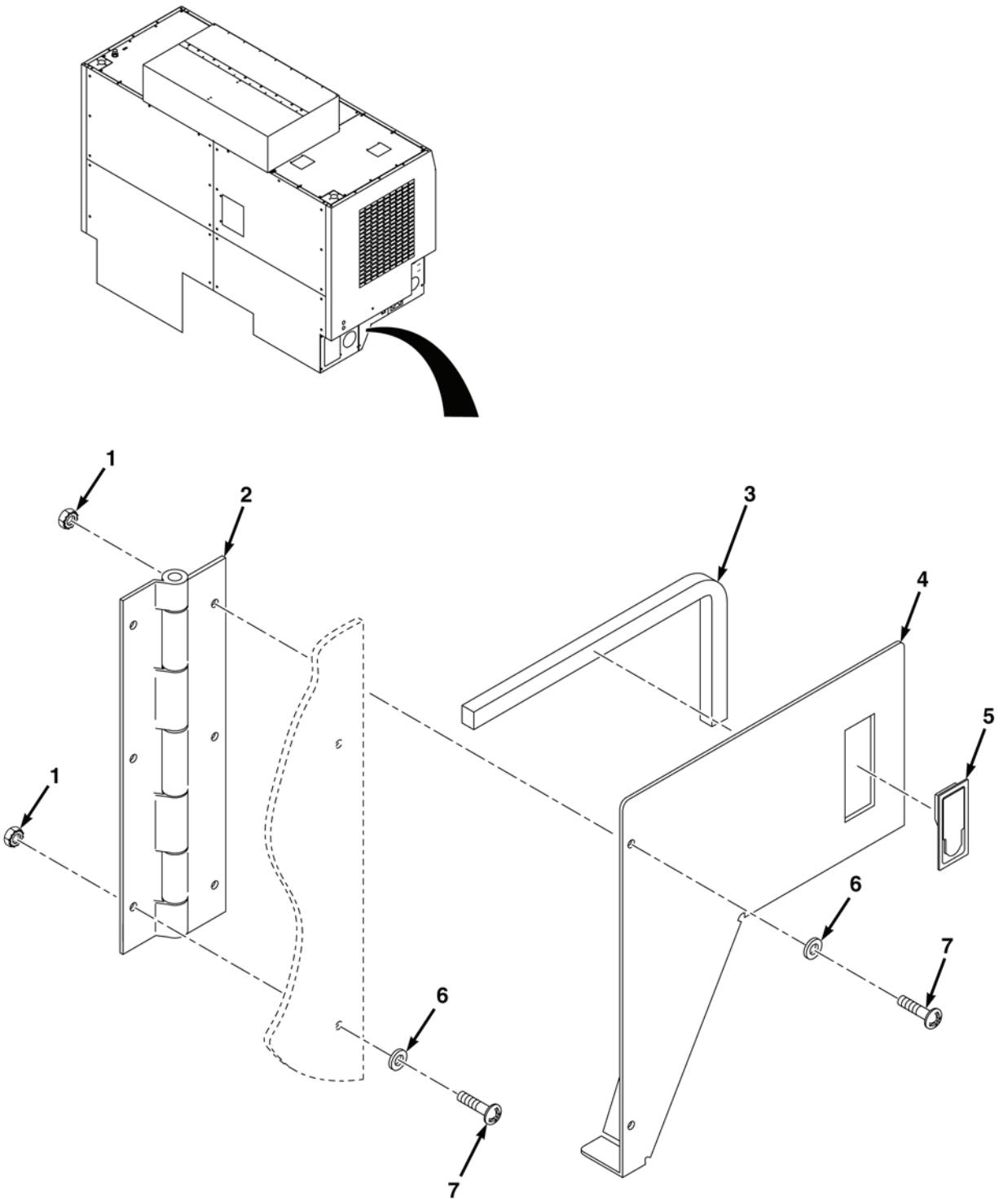


FIG. 128 DOOR ASSEMBLY (1355267)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 128 DOOR ASSEMBLY (1355267)	
1	PAFZZ		3A054	90675A011	NUT,KEPS,LOCK 10-24 UNC	5
2	PBFZZ	5340-01-520-9878	04664	1278872	HINGE,BUTT ACCESS DOOR	1
3	MFFZZ		04664	943064-12	RUBBER,D-SECTION MAKE FROM P/N 1085-3017,CAGE 56329,APPROX 12 IN. LG.	1
4	PFFZZ		04664	1346222	DOOR,DRAIN,RH PUMPHOUSE	1
5	PAFZZ	5340-01-111-2451	96214	805435-3	LEVER,LOCK-RELEASE.	1
6	PAFZZ	5310-00-894-4876	19200	10545676-2	WASHER,FLAT PLASTIC	4
7	PAFZZ	5305-00-984-6210	80205	MS35206-263	SCREW,MACHINE 10-24 X 5/8.	4
					END OF FIGURE	

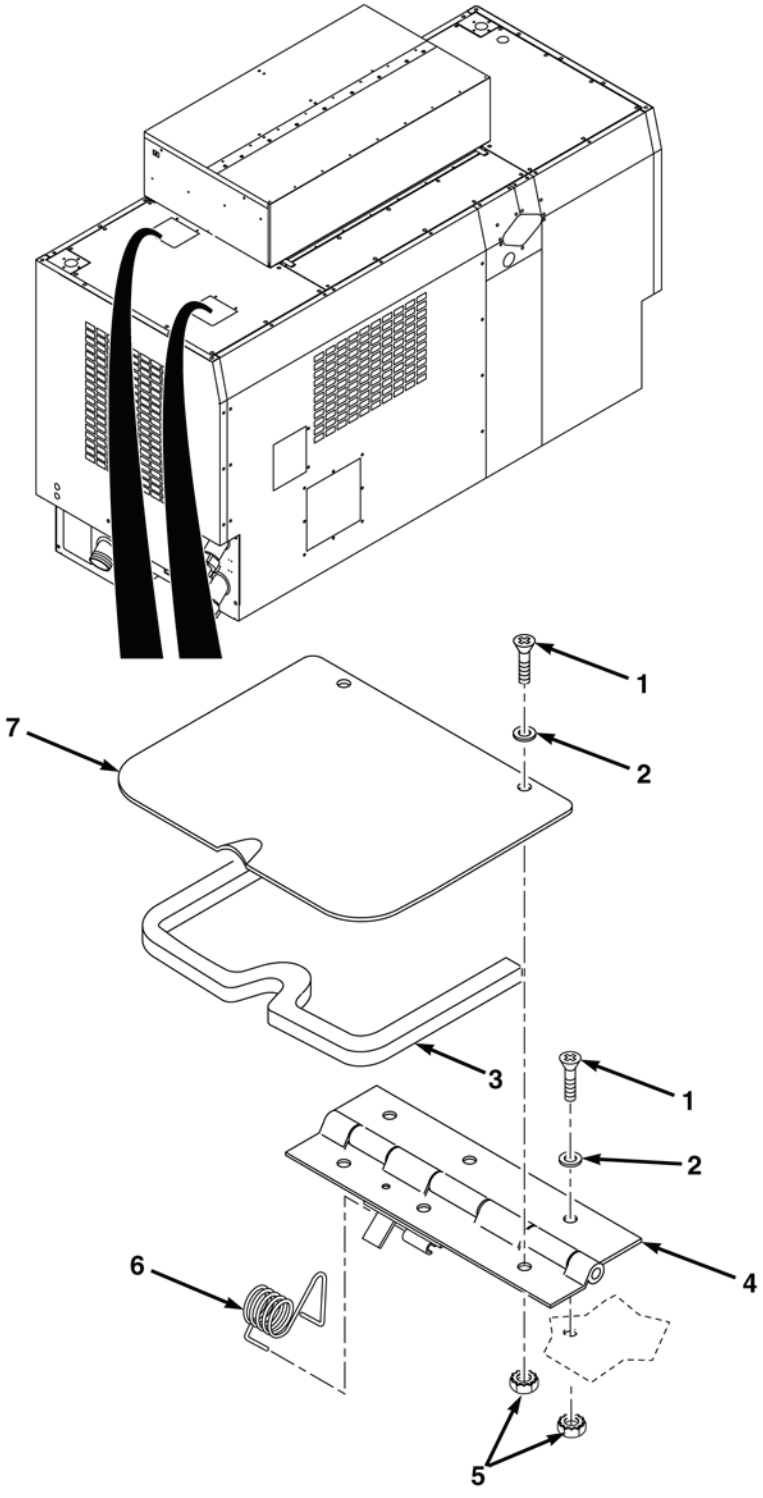


FIG. 129 DOOR ASSEMBLY (1355268)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 129 DOOR ASSEMBLY (1355268)	
1	PAFZZ	5305-00-984-6210	80205	MS35206-263	. SCREW,MACHINE 10-24 X 5/8.	5
2	PAFZZ	5310-00-765-3197	96906	MS27183-41	. WASHER,FLAT 10	5
3	MFFZZ		04664	943064-12	RUBBER,D-SECTION MAKE FROM P/N 1085-3017,CAGE 56329,APPROX 12 IN. LG.	1
4	PBFZZ		04664	1084400	. HINGE ASSEMBLY ACCESS DOOR . .	1
5	PAFZZ		3A054	90675A011	NUT,KEPS,LOCK 10-24 UNC	5
6	PAFZZ	5360-01-517-3771	94222	23-1-11-12	. SPRING,HELICAL,COMP	1
7	PFFZZ		04664	1340262	. DOOR,ACCESS.	1
					END OF FIGURE	

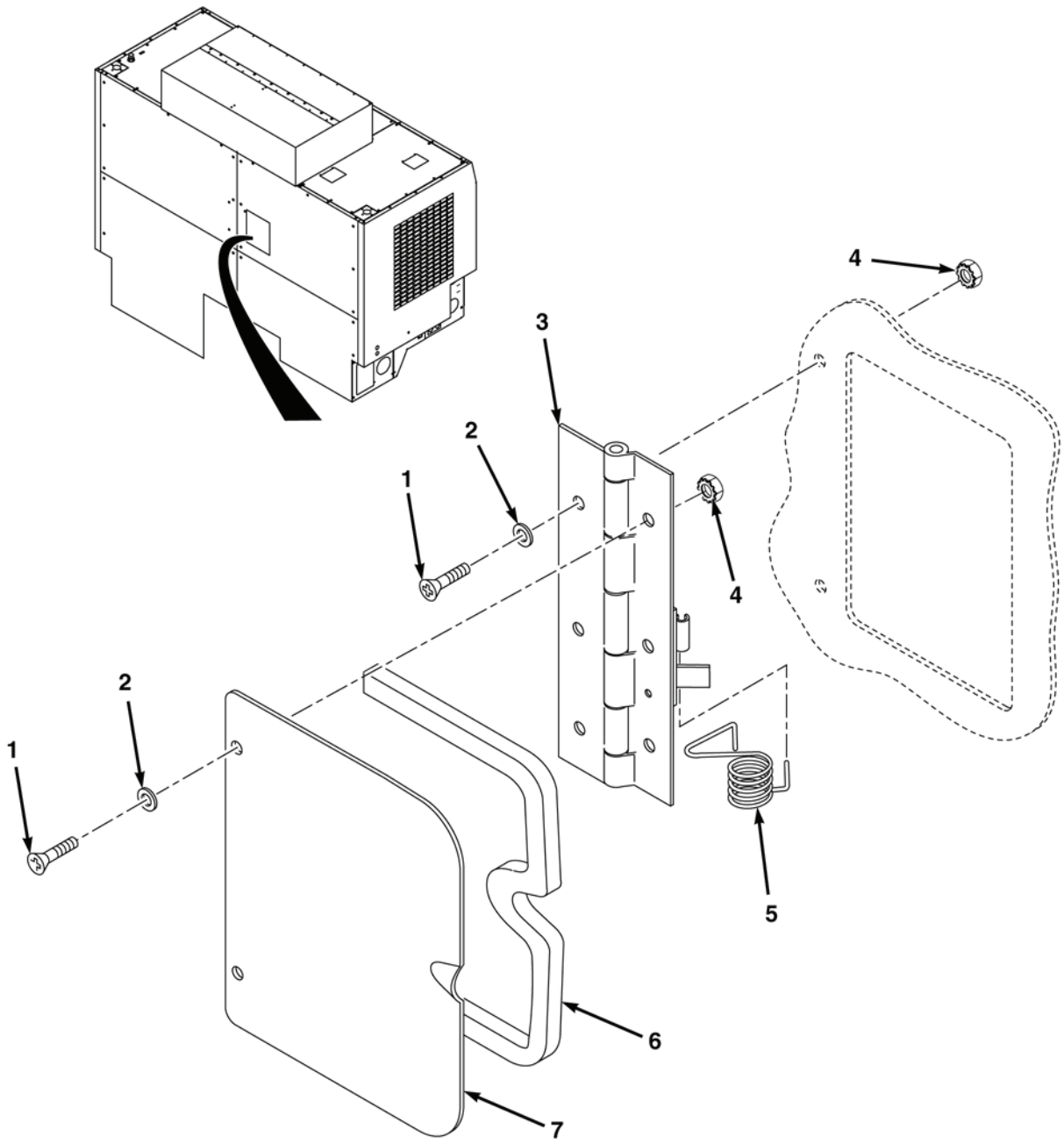


FIG. 130 DOOR ASSEMBLY (1355269)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 130 DOOR ASSEMBLY (1355269)	
1	PAFZZ	5305-00-984-6210	80205	MS35206-263	SCREW,MACHINE 10-24 X 5/8	5
2	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10	5
3	PBFZZ		04664	1084400	HINGE ASSEMBLY ACCESS DOOR . . .	1
4	PAFZZ		3A054	90675A011	NUT,KEPS,LOCK 10-24 UNC	5
5	PAFZZ	5360-01-517-3771	94222	23-1-11-12	SPRING,HELICAL,COMP	1
6	MFFZZ		04664	943064-12	RUBBER,D-SECTION MAKE FROM P/N 1085-3017,CAGE 56329,APPROX 12 IN. LG.	1
7	PFFZZ		04664	1339472	DOOR,ACCESS.	1
					END OF FIGURE	

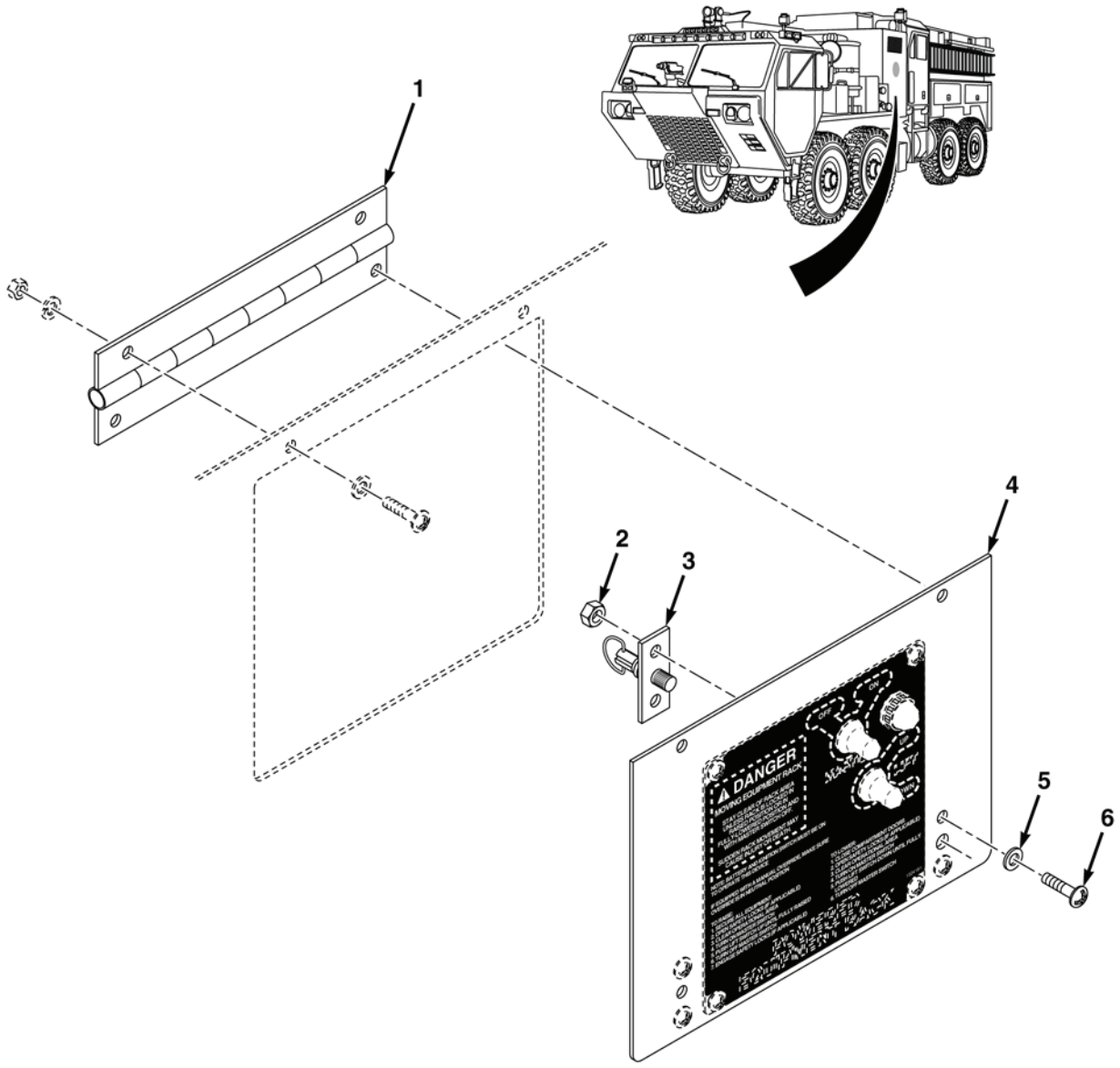


FIG. 131 DOOR ASSEMBLY, EQUIPMENT (LADDER) RACK

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 131 DOOR ASSEMBLY, EQUIPMENT (LADDER) RACK	
1	PBFZZ		04664	1334979	HINGE,EQUIPMENT RAC	1
2	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24	1
3	PAFZZ	5340-00-814-1161	94222	57-10-201-10	LATCH,MORTISE	2
4	PAFZZ		04664	1334934	DOOR,EQUIPMENT RACK	1
5	PAFZZ	5310-01-517-4200	04664	82-1017-001	WASHER,FLAT 1/4	4
6	PAFZZ	5305-00-050-9230	96906	MS51957-64	SCREW,MACHINE 10-24 X 5/8	4
					END OF FIGURE	

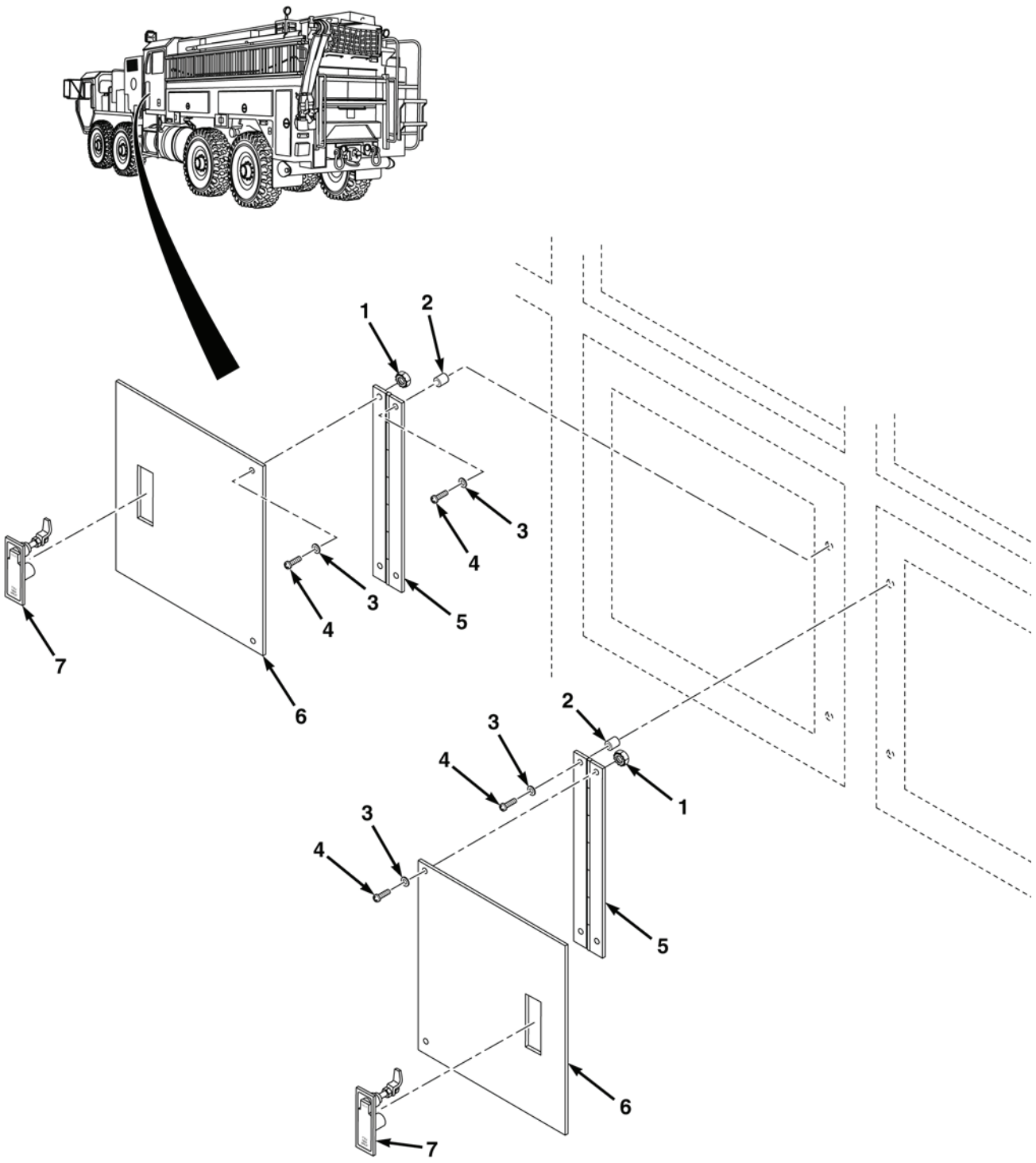


FIG. 132 DOOR ASSEMBLY (1358983)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 132 DOOR ASSEMBLY (1358983)	
1	PAFZZ		3A054	90675A011	NUT,KEPS,LOCK 10-24 UNC	4
2	PAFZZ	5320-01-517-4196	04664	82-0052	CAP,RIVET #10	4
3	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10	8
4	PAFZZ	5305-00-984-6210	80205	MS35206-263	SCREW,MACHINE 10-24 X 5/8	8
5	PBFZZ		04664	1355677	HINGE,REVERSED,ACCE	2
6	PAFZZ		04664	1355673	DOOR,ACCESS	2
7	PAFZZ	5340-01-111-2451	96214	805435-3	LEVER,LOCK-RELEASE	2
					END OF FIGURE	

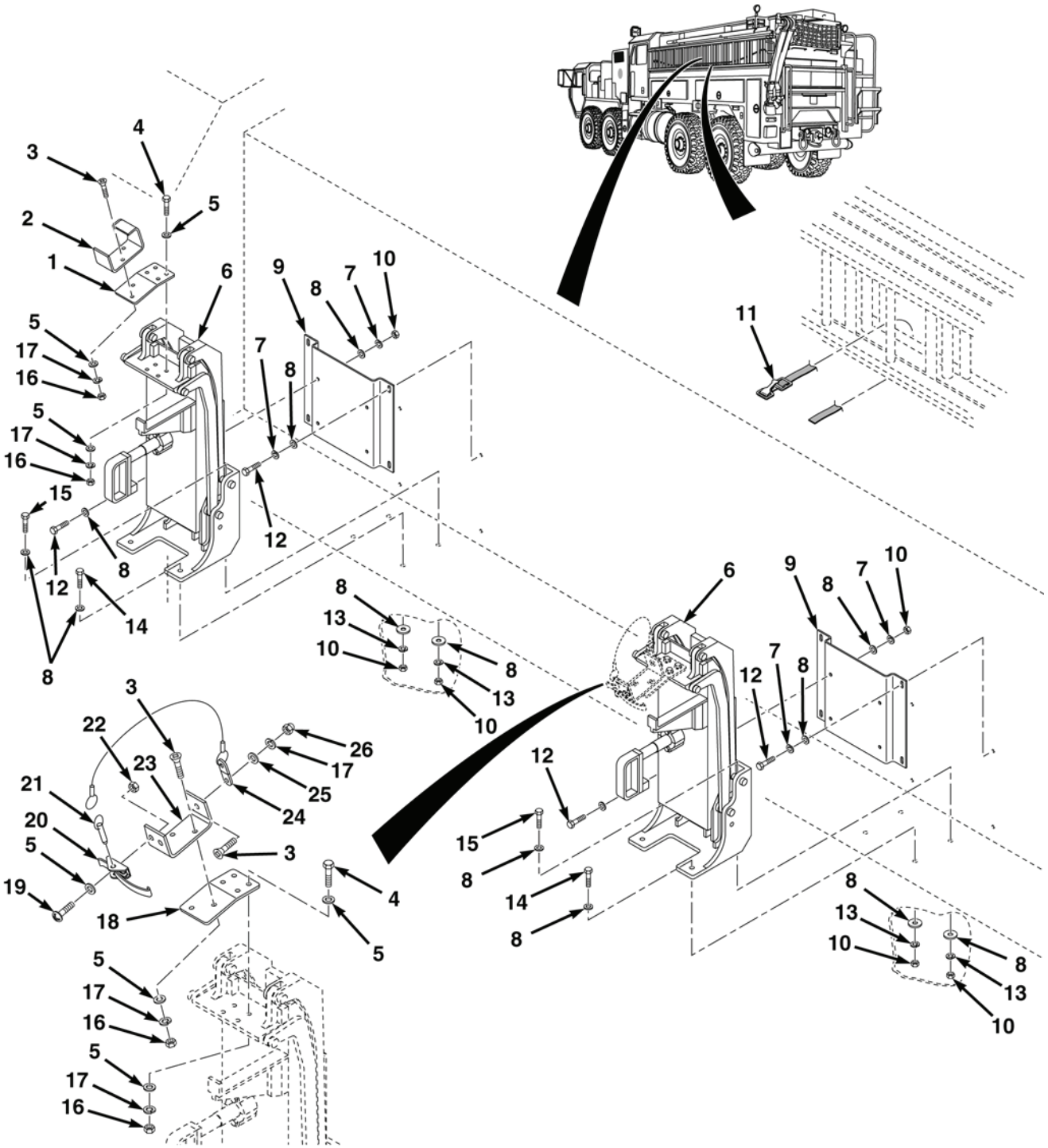


FIG. 133 EQUIPMENT (LADDER) RACK INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 133 EQUIPMENT (LADDER) RACK INSTALLATION	
1	PFFZZ		04664	1266933	BRACKET,FRONT,DRIVE FOLDING LADDER.	1
2	PFFZZ		04664	1266927	BRACKET,FRONT FOLDING LADDER. .	1
3	PAFZZ	5305-00-958-5247	60905	02011-7G416	SCREW,MACHINE 1/4-20 X 1.	5
4	PAFZZ	5305-00-068-0509	80204	B1821BH025C125N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1 1/4.	8
5	PAFZZ	5310-01-103-6042	96906	MS51412-4	WASHER,FLAT 1/4	16
6	PAFZZ	4210-01-518-5296	51010	LAS-975-24	MOUNTING ASSEMBLY,L.	2
7	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8.	16
8	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	40
9	PFFZZ		04664	1136299	SPACER,MOUNTING LADDER BRACKET	2
10	PAFZZ	5310-00-851-2682	96906	MS35691-17	NUT,PLAIN,HEXAGON 3/8-16.	16
11	PAFZZ	5340-01-517-4879	04664	1222836	STRAP,WEBBING 1 IN,W/SSTL	2
12	PAFZZ	5305-00-725-2317	80204	B1821BH038C150N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/2.	16
13	PAFZZ	5310-00-180-0277	80205	MS35333-76	WASHER,LOCK 3/8.	8
14	PAFZZ	5305-00-543-2866	80204	B1821BH038C250N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 2 1/2.	10
15	PAFZZ	5305-00-821-3869	80204	B1821BH038C175N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 3/4.	4
16	PAFZZ	5310-00-851-2674	96906	MS35691-1	NUT,PLAIN,HEXAGON 1/4-20.	8
17	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	4
18	PFFZZ		04664	1266937	BRACKET,REAR,DRIVER.	1
19	PAFZZ	5305-00-889-3000	80205	MS35206-230	SCREW,MACHINE 6-32 X 1/2.	2
20	PAFZZ	5340-01-517-4832	94222	97-50-321-12	CATCH,CLAMPING DRAW	1
21	PAFZZ	5315-01-518-2085	39428	95255A356	PIN,QUICK RELEASE	1
22	PAFZZ	5310-00-934-9747	80205	MS35649-262	NUT,PLAIN,HEXAGON 9/64-32.	2
23	PFFZZ		04664	1266928	BRACKET,REAR FOLDING LADDER. . .	1
24	PAFZZ	4010-01-429-6273	98897	LS35033-8-06	WIRE ROPE ASSEMBLY, ...	1
25	PAFZZ	5310-01-071-6411	80063	SM-B-916814-2	WASHER,FLAT 1/4	1
26	PAFZZ	5310-01-283-4637	96906	A-A-55629	NUT,PLAIN,CAP 10-24	1
					END OF FIGURE	

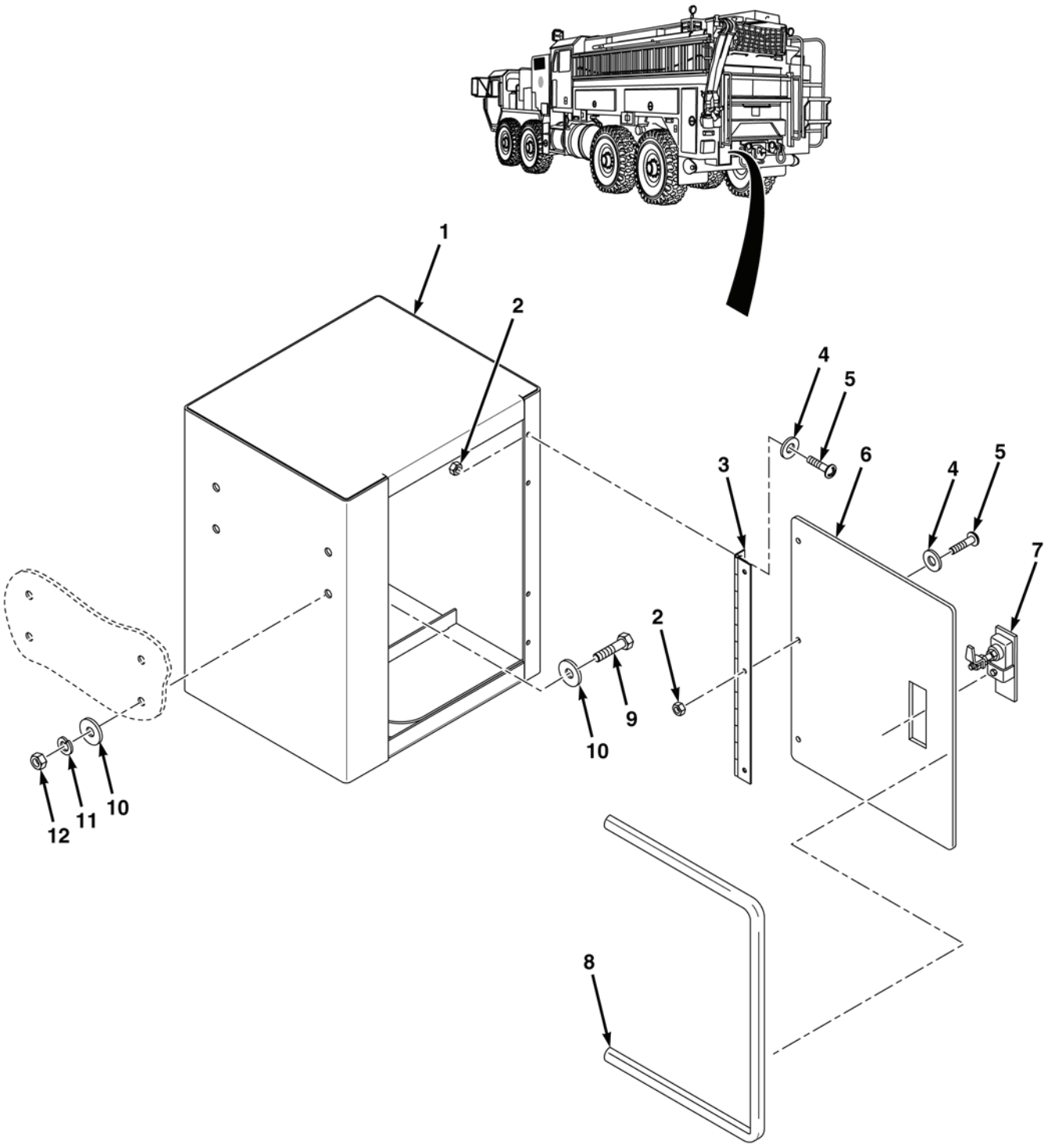


FIG. 134 GAS CAN COMPARTMENT

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 134 GAS CAN COMPARTMENT	
1	PFFZZ		04664	1348067	COMPARTMENT,GAS CAN.	1
2	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24.	7
3	PBFZZ		04664	1347683	HINGE,OFFSET,GAS CA	1
4	PAFZZ	5310-00-452-1356	04664	82-0418-0001	WASHER,FLAT 3/16	2
5	PAFZZ	5305-00-057-9600	96906	MS21207-8-6	SCREW,TAPPING	7
6	PAFZZ		04664	1347684	DOOR,COMPARTMENT	1
7	PAFZZ	5340-01-111-2451	96214	805435-3	LEVER,LOCK-RELEASE.	1
8	MFFZZ		04664	943064-12	RUBBER,D-SECTION MAKE FROM P/N 1085-3017,CAGE 56329,APPROX 12 IN. LG.	1
9	PAFZZ	5305-00-680-4262	80205	MS35308-360	SCREW,CAP,HEXAGON HEAD, 3/8-24 X 1.	4
10	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	8
11	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8.	4
12	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16.	4
					END OF FIGURE	

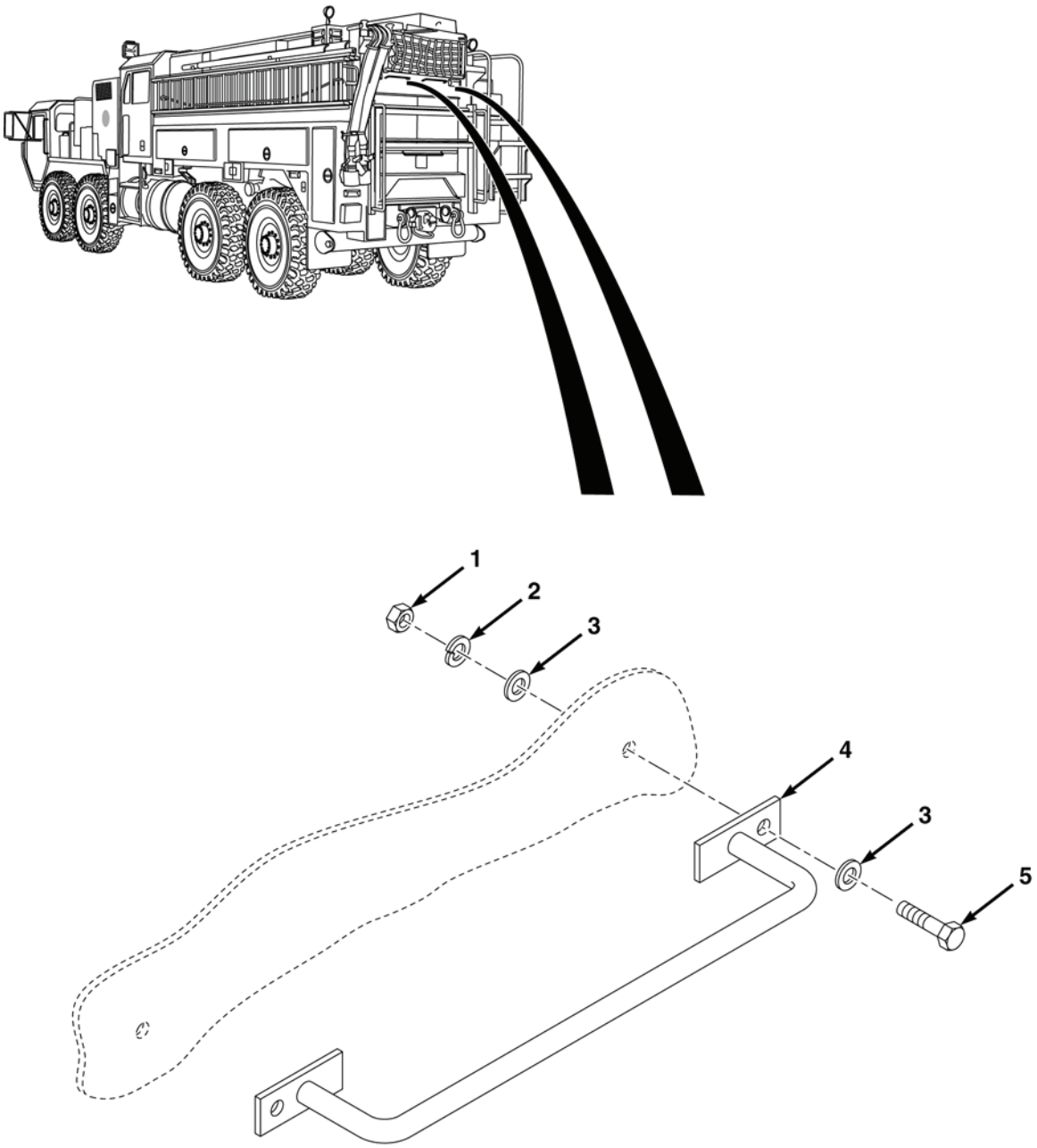


FIG. 135 HANDRAILS, BODY MOUNTED

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 135 HANDRAILS, BODY MOUNTED	
1	PAFZZ	5310-00-245-3615	80205	MS35649-2314	NUT,PLAIN,HEXAGON 5/16-18.	4
2	PAFZZ	5310-00-933-8122	96906	MS35338-159	WASHER,LOCK 5/16.	4
3	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	8
4	PAFZZ		04664	1219089	HANDRAIL ASSEMBLY	2
5	PAFZZ	5305-00-071-2511	80204	B1821BH025C200N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 2.	4
					END OF FIGURE	

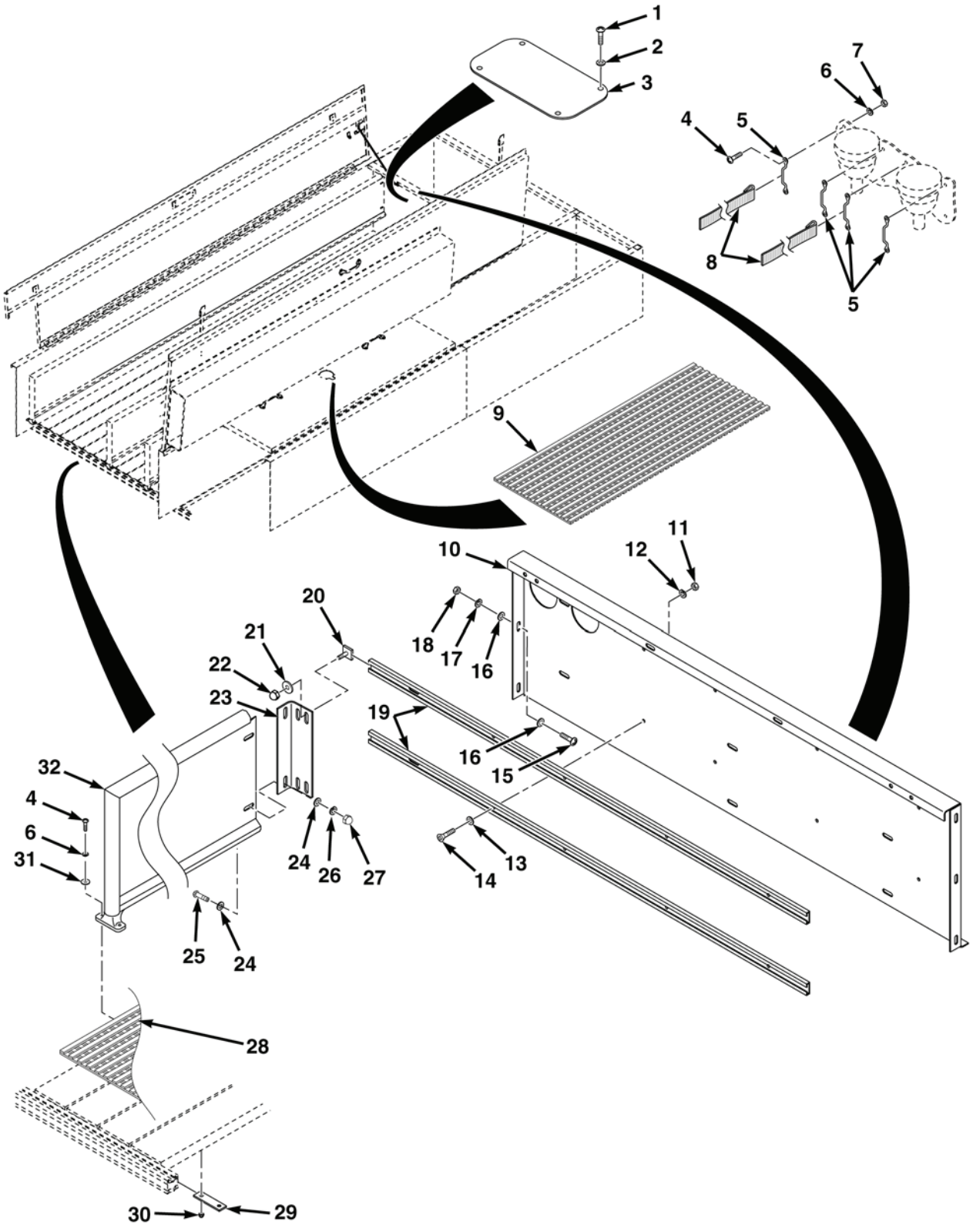


FIG. 136 HOSE BED GRATING ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 136 HOSE BED GRATING ASSEMBLY	
1	PAFZZ	5305-00-855-0967	80205	MS24629-37	SCREW,TAPPING	4
2	PAFZZ	5310-01-311-0004	80205	MS15795-856	WASHER,FLAT 11/64	4
3	PAFZZ		04664	1183013	COVER,ACCESS	1
4	PAFZZ	5305-00-071-1318	96906	MS51957-83	SCREW,MACHINE 1/4-20 X 1	10
5	PAFZZ	5340-00-329-2428	19220	6411D	LOOP,STRAP FASTENER 1.25 WIDE	4
6	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	10
7	PAFZZ	5310-00-916-9480	96906	MS24680-25	NUT,PLAIN,CAP 1/4-20	10
8	PAFZZ	8315-01-519-2400	04664	1219606-0022	STRAP,HOOK AND PILE	2
9	PAFZZ		04664	25-4513-0122	MATE,BOTTOM HOSEBED	1
10	PAFZZ		04664	1136279	CROSSDIVIDER,CENTER	1
11	PAFZZ	5310-01-142-7049	45152	1817HX	NUT,PLAIN,HEXAGON 10-24	10
12	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	10
13	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10	10
14	PAFZZ	5305-00-052-6911	80205	MS24629-15	SCREW,TAPPING 10-24 X 3/4	10
15	PAFZZ	5305-00-978-9395	96906	MS16997-100	SCREW,CAP,SOCKET HEAD, 3/8-16 X 1 1/8	6
16	PAFZZ	5310-00-773-7618	80205	MS15795-814	WASHER,FLAT 3/8	12
17	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	6
18	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	6
19	PAFZZ		04664	1180463	TRACK,DIVIDER 41.50 IN LG	2
20	PAFZZ		04664	23-1154	PLATE,TRACK	2
21	PAFZZ	5310-00-180-0277	80205	MS35333-76	WASHER,LOCK 3/8	2
22	PAFZZ	5310-01-306-2351	58536	AA55628-27	NUT,PLAIN,CAP 3/8-16	2
23	PFFZZ		04664	1012139	ANGLE,FRONT SUPPORT	3
24	PAFZZ	5310-01-199-4393	39428	92141A030	WASHER,FLAT 5/16 (SS)	8
25	PAFZZ	5305-00-051-0837	96906	MS51957-96	SCREW,MACHINE 5/16-18 X 3/4	2
26	PAFZZ	5310-00-933-8122	96906	MS35338-159	WASHER,LOCK 5/16	2
27	PAFZZ	5310-01-366-5363	96906	MS24680-26	NUT,PLAIN,CAP 5/16-18	2
28	PAFZZ		04664	1182860	GRATING WELDMENT	1
29	PAFZZ		04664	25-0582	PLATE,REAR TRACK	1
30	PAFZZ	5310-00-761-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON .25-20 UNC	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
31	PAFZZ	5310-01-071-6411	80063	SM-B-916814-2	WASHER,FLAT 1/4	2
32	PAFZZ		04664	1370085	DIVIDER ASSEMBLY, HOSE BED W/ HOLES	3

END OF FIGURE

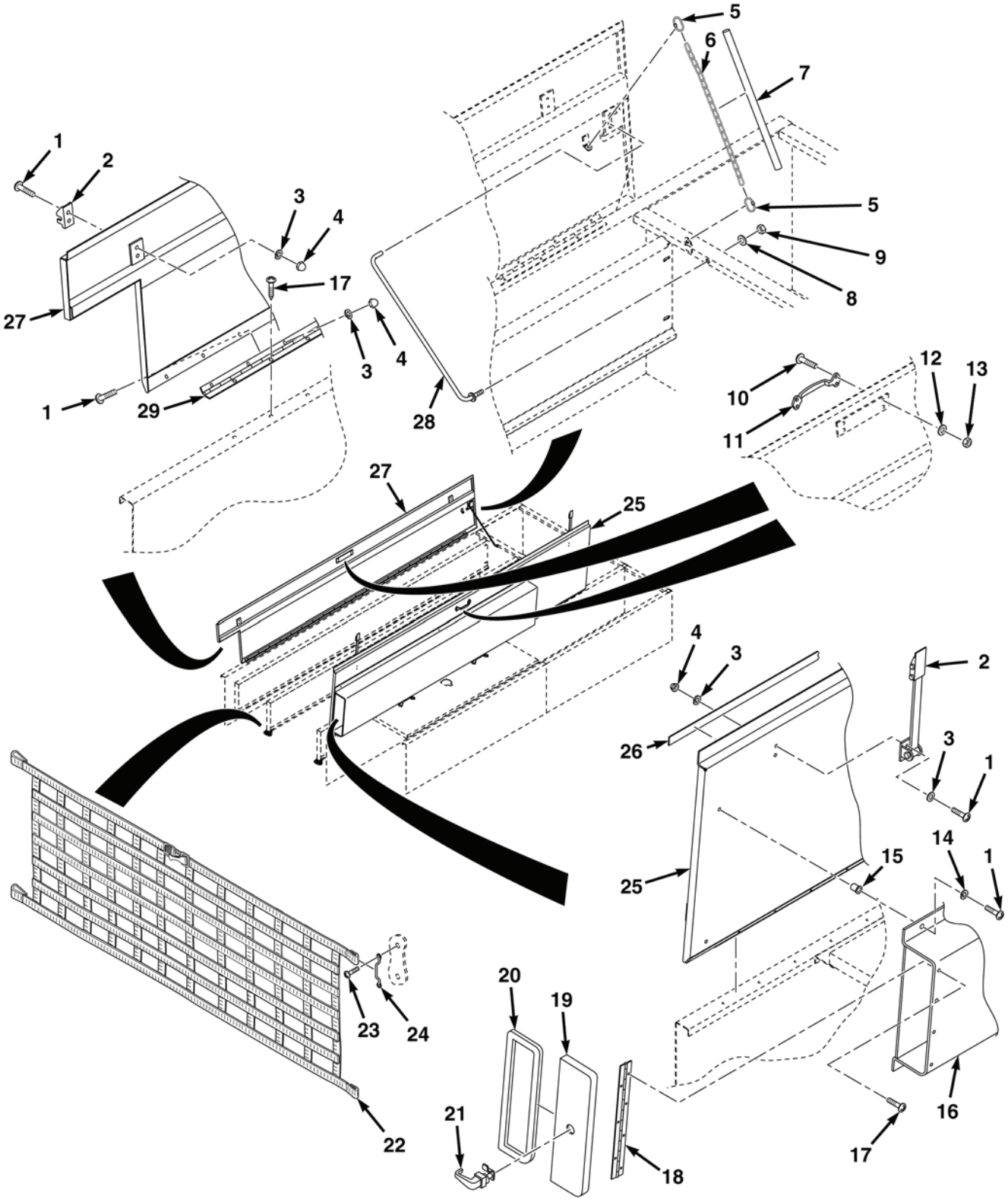


FIG. 137 HOSE BED COVER PACKAGE

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 137 HOSE BED COVER PACKAGE	
1	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	102
2	PAFZZ	2540-01-518-3808	94222	37-10-277-20	LATCH,HOOD,VEHICULA	2
3	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10	102
4	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24	26
5	PAFZZ	4010-01-518-3717	46156	4421040	LINK,CHAIN,DETACHAB	4
6	PAFZZ	4010-01-518-3673	46156	60104-32	CHAIN ASSEMBLY SINGLE LEG	4
7	MFFZZ		04664	944011-12	TUBING,NONMETALLIC MAKE FROM P/N TYVY-5812-50,CAGE 29907,APPROX 12 IN. LG.	2
8	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	1
9	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	1
10	PAFZZ	5305-00-958-5247	60905	02011-7G416	SCREW,MACHINE 1/4-20 X 1	12
11	PAFZZ	5340-01-517-6651	04664	1180392	HANDLE,BOW	3
12	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	12
13	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING 1/4-20 NC	12
14	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	102
15	PAFZZ	5325-01-414-7133	78276	ALS7-1024-225	INSERT,SCREW THREAD 10-24	7
16	PFFZZ		04664	1365239	COMPARTMENT ASSEMBL BACKBOARD	1
17	PAFZZ	5305-00-855-0957	45152	2477HX	SCREW,TAPPING	7
18	PBFZZ		04664	1396373	HINGE	1
19	PAFZZ		04664	1365344	DOOR,COMPARTMENT BACKBOARD	1
20	MFFZZ		04664	943064-12	RUBBER,D-SECTION MAKE FROM P/N 1085-3017,CAGE 56329,APPROX 12 IN. LG.	3
21	PAFZZ	5340-01-517-9032	94222	62-10-103-10	LEVER,LOCK-RELEASE	1
22	PAFZZ	3990-01-520-6390	04664	1184052	TIE DOWN,CARGO,VEHI	1
23	PAFZZ	5305-00-701-5074	80205	MS51959-63	SCREW,MACHINE 10-24 X 1/2 FLTHEAD	8
24	PAFZZ	5340-00-329-2428	19220	6411D	LOOP,STRAP FASTENER	4
25	PFFZZ		04664	1348950	COVER,HOSEBED PS	1
26	MFFZZ		04664	95-0659-286	WEARLINER MAKE FROM P/N NYLGS031X24X24,CAGE 1B6H7, APPROX 96 IN. LG.	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
27	PFFZZ		04664	1348951	COVER,HOSEBED, DS	1
28	PAFZZ		04664	1348955	ROD,PROP	2
29	PBFZZ		04664	1366738	HINGE	2
					END OF FIGURE	

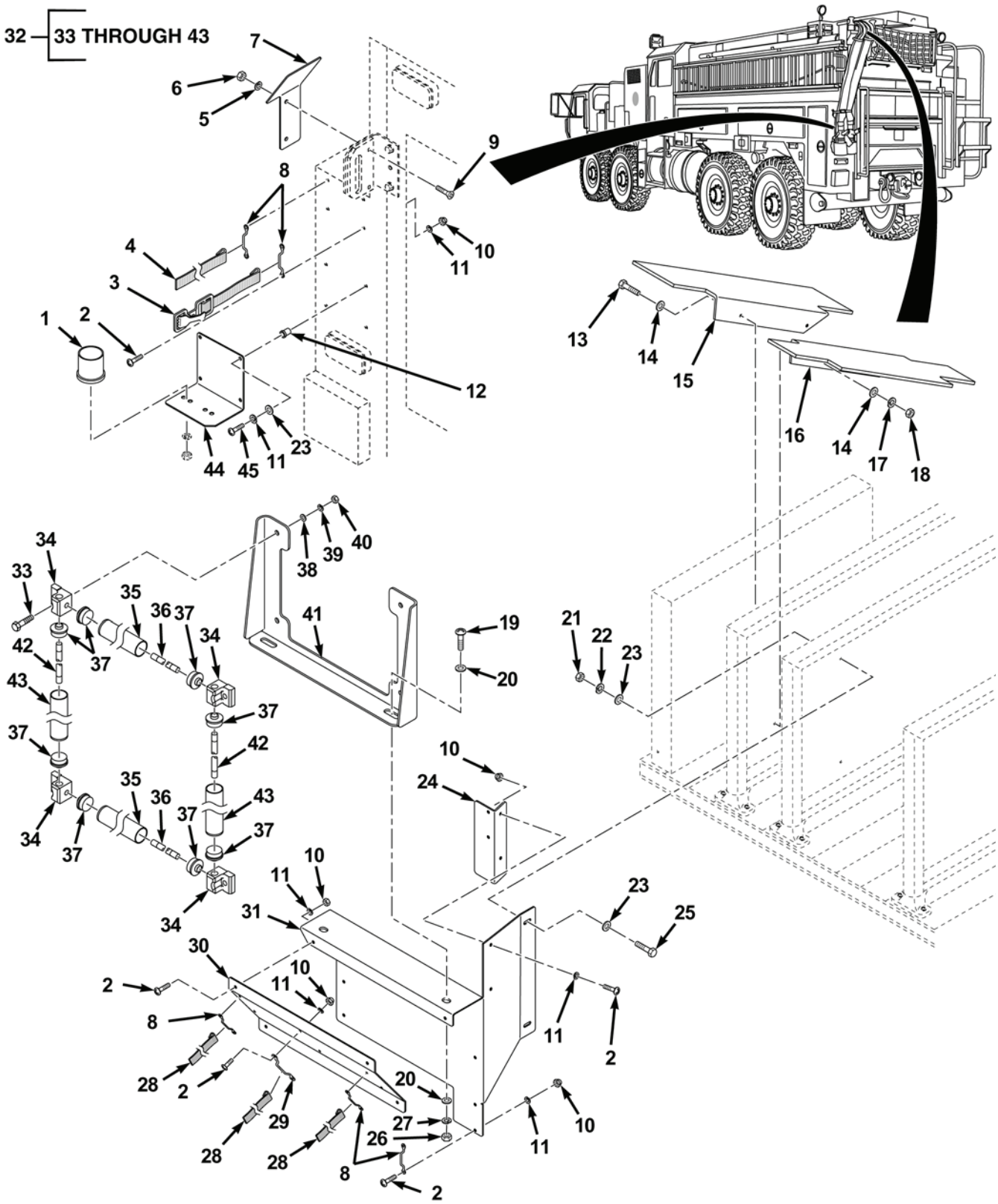


FIG. 138 HOSE BED PRE-CONNECT MOUNTING ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 138 HOSE BED PRE-CONNECT MOUNTING ASSEMBLY	
1	PAFZZ		51010	3070-130-000	CUP,NOZZLE 4.625 IN IDNNCM-H-TFT .	2
2	PAFZZ	5305-00-050-9226	96906	MS51957-60	SCREW,MACHINE 10-24 X 5/16.	18
3	PAFZZ	5340-01-518-2804	04664	1116525	STRAP,WEBBING 1 IN. LG.	1
4	PAFZZ	5340-01-517-4829	04664	1213390-0010	STRAP,WEBBING 1 X 10 BLACK NYLON	1
5	PAFZZ	5310-00-407-9566	80205	MS35338-45	WASHER,LOCK 5/16.	2
6	PAFZZ	5310-00-807-1469	56878	FN12A054	NUT,SELF-LOCKING EXTENDED WASHER,5/16-24	2
7	PAFZZ		04664	1368668	DEFLECTOR,HOSE NOZZLE CUP.	1
8	PAFZZ	5340-00-329-2428	19220	6411D	LOOP,STRAP FASTENER 1.25 WIDE . .	5
9	PAFZZ	5305-01-082-0049	11939	93543216	SCREW,CAP,HEX HEAD,3/8-18 X 1	2
10	PAFZZ	5310-01-283-4637	96906	A-A-55629	NUT,PLAIN,CAP 10-24	18
11	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	18
12	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	4
13	PAFZZ	5305-00-071-2513	80204	B1821BH025C250N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 2 1/2.	4
14	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	4
15	PAFZZ		04664	1368687	DEFLECTOR,HOSEBED RH.	1
16	PAFZZ		04664	1368686	DEFLECTOR,HOSEBED LH	1
17	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	4
18	PAFZZ	5310-00-761-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON 1/4-20.	4
19	PAFZZ	5305-00-732-0512	80204	B1821BH050C075N	SCREW,CAP,HEXAGON HEAD, 1/2-13 X 3/4	2
20	PAFZZ	5310-00-809-5997	96906	MS27183-17	WASHER,FLAT 1/2	4
21	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24.	2
22	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	2
23	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	8
24	PAFZZ		04664	1368487	GUSSET,REAR HOSE ROLLER	1
25	PAFZZ	5305-00-984-6218	96906	MS35206-271	SCREW,MACHINE 3/16-24 X 2.	2
26	PAFZZ	5310-00-768-0321	96906	MS51971-5	NUT,PLAIN,HEXAGON 1/2-13.	2
27	PAFZZ	5310-00-584-5272	80205	MS35338-48	WASHER,LOCK 1/2.	2
28	PAFZZ	8315-01-519-2396	04664	1219606-0010	STRAP,HOOK AND PILE DOUBLE SIDED	2
29	PAFZZ	5340-01-130-7909	19220	6411G	LOOP,STRAP FASTENER 2 IN WIDE STRAP	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
30	PAFZZ		04664	1368688	GUSSET,HOSE ROLLER MOUNTING . .	1
31	PFFZZ		04664	1368689	BRACKET,HOSE ROLLER MOUNTING .	1
32	PAFFF		04664	1394146	ROLLER ASSEMBLY PRECONNECT HOSES	1
33	PAFZZ	5305-00-938-1556	80204	B1821BH050C050N	. SCREW,CAP,HEXAGON HEAD, 1/2-13 X 1/2	4
34	PFFZZ		04664	81-1011	. BRACKET,ROLLER	4
35	PAFZZ		04664	25-6025-0120	. TUBE,CROSSLAY ROLL	2
36	PAFZZ		04664	25-6024-0100	. ROD,CROSSLAY ROLLER 0.50	2
37	PAFZZ	3110-01-517-4226	71041	1016D-1/2	. BEARING,ROLLER,CYLI	8
38	PAFZZ	5310-00-087-7493	96906	MS27183-13	. WASHER,FLAT 3/8	4
39	PAFZZ	5310-00-926-5877	96906	MS35338-160	. WASHER,LOCK 3/8	4
40	PAFZZ	5310-01-054-4644	06032	2100-0123-001	. NUT,PLAIN,HEXAGON 3/8-16	4
41	PFFZZ		04664	1339201	. BRACKET,HOSE GUIDE	1
42	PAFZZ		04664	25-6024-0099	. ROD,CROSSLAY ROLLER 0.50	2
43	PAFZZ		04664	25-6025-0119	. TUBE,CROSSLAY	2
44	PFFZZ		04664	1368691	BRACKET,NOZZLE CUP MOUNTING. . .	1
45	PAFZZ	5305-00-988-1721	80205	MS35206-277	SCREW,MACHINE 1/4-20 X 3/8	4

END OF FIGURE

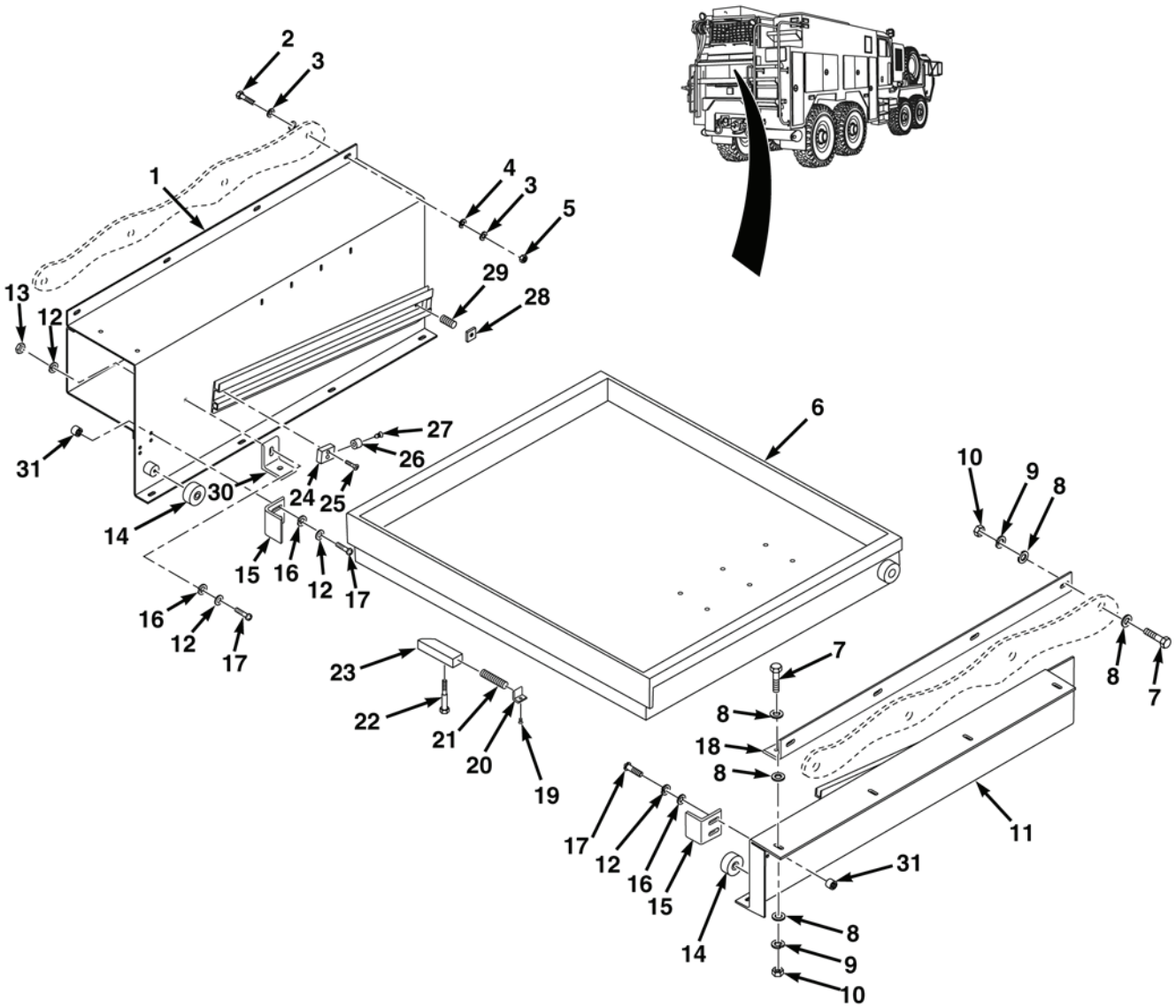


FIG. 139 TRAY ASSEMBLY, SLIDE (1372249)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 139 TRAY ASSEMBLY, SLIDE (1372249)	
1	PFFZZ		04664	1220830	BRACKET,TILT TRAY,L	1
2	PAFZZ	5305-00-725-2317	80204	B1821BH038C150N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/2.	8
3	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	8
4	PAFZZ	5310-00-080-6004	96906	MS27183-14	WASHER,FLAT 3/8	8
5	PAFZZ	5310-00-807-1469	56878	FN12A054	NUT,SELF-LOCKING EXTENDED WASHER,5/16-24	8
6	PAFZZ		04664	1211259	TILT TRAY,UTILITY	1
7	PAFZZ	5305-00-978-9395	96906	MS16997-100	SCREW,CAP,SOCKET HEAD, 3/8-16 X 1 1/8.	8
8	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	16
9	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	8
10	PAFZZ	5310-00-851-2682	24617	451519	NUT,PLAIN,HEXAGON 3/8-16	8
11	PFFZZ		04664	1212084	BRACKET,TILT TRAY,R	1
12	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	4
13	PAFZZ	5310-00-997-1888	80205	MS35649-2252	NUT,PLAIN,HEXAGON 1/4-20	4
14	PAFZZ	3110-01-517-4230	04664	22-1419	ROLLER,BEARING XVRSE DRAWER	4
15	PAFZZ	5340-01-517-9956	04664	1070177	CATCH,ELBOW	2
16	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	4
17	PAFZZ	5305-01-285-7712	39428	91770A542	SCREW,MACHINE	4
18	PAFZZ		04664	1225090	ANGLE,RIGHT,REAR S/O TILT TRAY	1
19	PAFZZ	5306-01-517-6219	04664	1304307-0003	BOLT,MACHINE	2
20	PAFZZ		04664	1372222	ANGLE,TRAY RETAINER	2
21	PAFZZ	5340-01-517-6068	04664	24-1597	BOLT,WINDOW,SPRING	2
22	PAFZZ	5306-01-517-6073	04664	24-1600	BOLT,SLIDING HANDLE	2
23	PAFZZ	4210-01-518-5373	04664	24-1596	BLOCK,NYLON	2
24	PAFZZ	5340-01-517-9785	04664	1070174	STOP,TRACK TILT TRAY	2
25	PAFZZ	5305-00-068-0509	80204	B1821BH025C125N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1 1/4.	4
26	PAFZZ	5340-01-517-9049	98893	755R	BUMPER	2
27	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
28	PAFZZ	5340-01-517-9904	04664	1070182	PAD,CUSHIONING.	2
29	PAFZZ	5340-01-517-9939	04664	1070181	BUMPER	2
30	PFFZZ	5340-01-517-5291	04664	1070180	BRACKET,ANGLE	4
31	PAFZZ	5325-01-517-2270	04664	82-0257-0002	INSERT,SCREW THREAD .25-20	6
					END OF FIGURE	

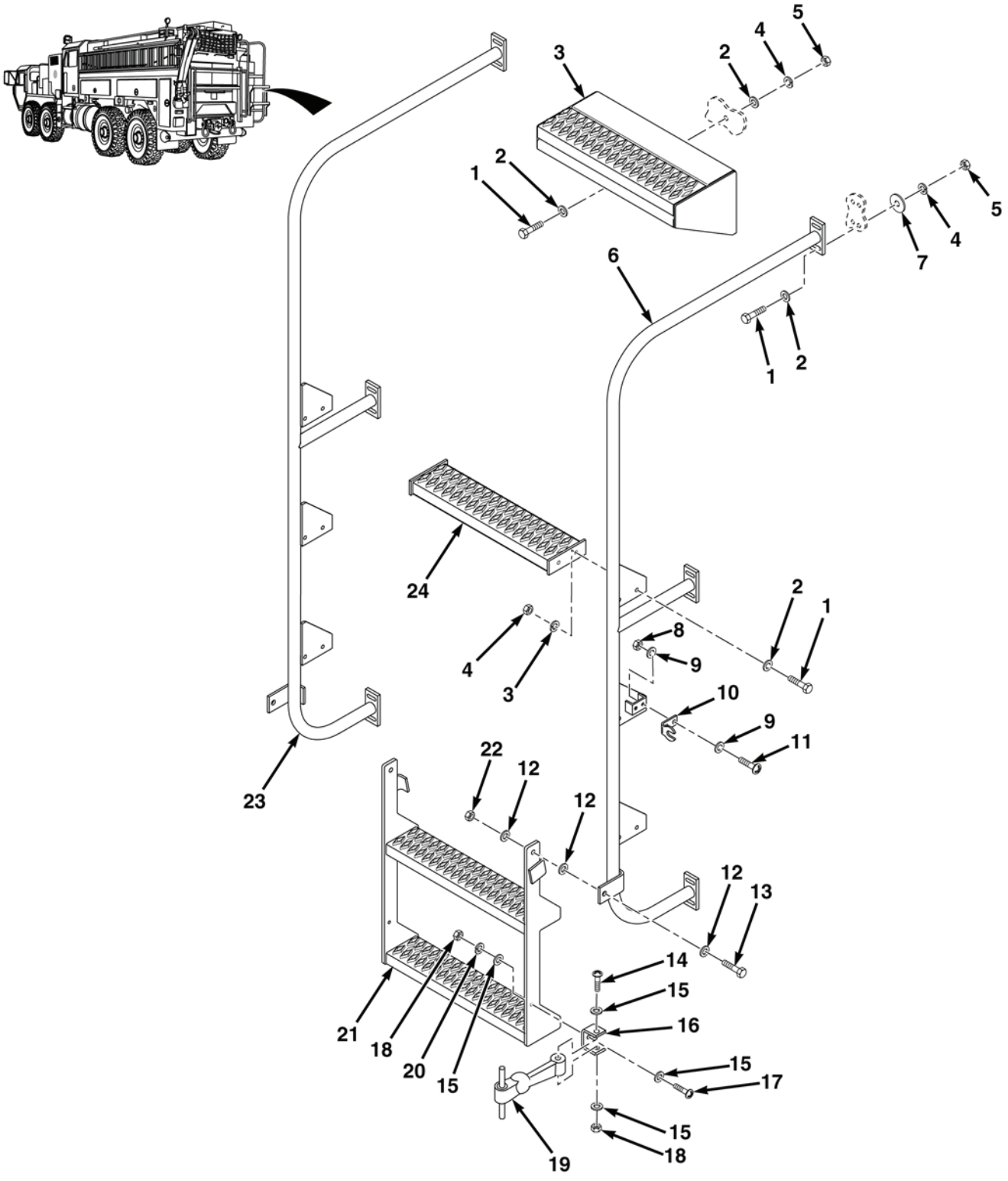


FIG. 140 RIGHT REAR SWING DOWN LADDER

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 140 RIGHT REAR SWING DOWN LADDER	
1	PAFZZ	5305-01-517-2284	04664	81-0270-125	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/4.	34
2	PAFZZ	5310-01-517-4812	04664	82-1013-008	WASHER,FLAT 3/8	34
3	PAFZZ		04664	1342579	STEP,GRIP STRUT	1
4	PAFZZ	5310-01-517-9775	04664	82-1011-0038	WASHER,SPRING 3/8.	34
5	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16.	34
6	PBFZZ		04664	1348994	RAIL ASSY,LADDER,RH	1
7	PAFZZ	5310-01-517-5990	0LBS5	F-XWFDS.38X1.00	WASHER,FLAT 3/8	16
8	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING 1/4-20 NC	2
9	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT	2
10	PAFZZ	2540-01-152-7764	64386	67D794	LATCH,HOOD	1
11	PAFZZ	5305-00-071-1315	96906	MS51957-79	SCREW,MACHINE 1/4-20 X 1/2	2
12	PAFZZ	5310-01-267-1684	96906	MS51412-10	WASHER,FLAT 1/2	6
13	PAFZZ	5305-00-071-2071	80204	B1821BH050C200N	SCREW,CAP,HEXAGON HEAD, 1/2-13 X 2.	2
14	PAFZZ	5305-00-984-6217	96906	MS35206-270	SCREW,MACHINE 10-24 X 1.625.	1
15	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT	4
16	PFFZZ	2590-01-517-2878	04664	1331040	BRACKET,VEHICULAR C	1
17	PAFZZ	5305-01-338-7312	64678	23-10893-050	SCREW,SELF-DRILLING 1/2-13 X 1 1/2.	2
18	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/2-13	2
19	PAFZZ	5340-01-156-6776	64386	277A801CP	STRAP,RETAINING	1
20	PAFZZ	3120-01-520-6545	1GX90	EW081601	BEARING,WASHER,THRU	2
21	PAFZZ		04664	1136337	LADDER ASSEMBLY,SWI	1
22	PAFZZ	5310-00-225-6993	81349	M45913/1-8CG5C	NUT,SELF-LOCKING 1/2-13	2
23	PBFZZ		04664	1348993	RAIL ASSY,LADDER,LH	1
24	PAFZZ		04664	1348996	STEP ASSY,GRIP STRU	3
					END OF FIGURE	

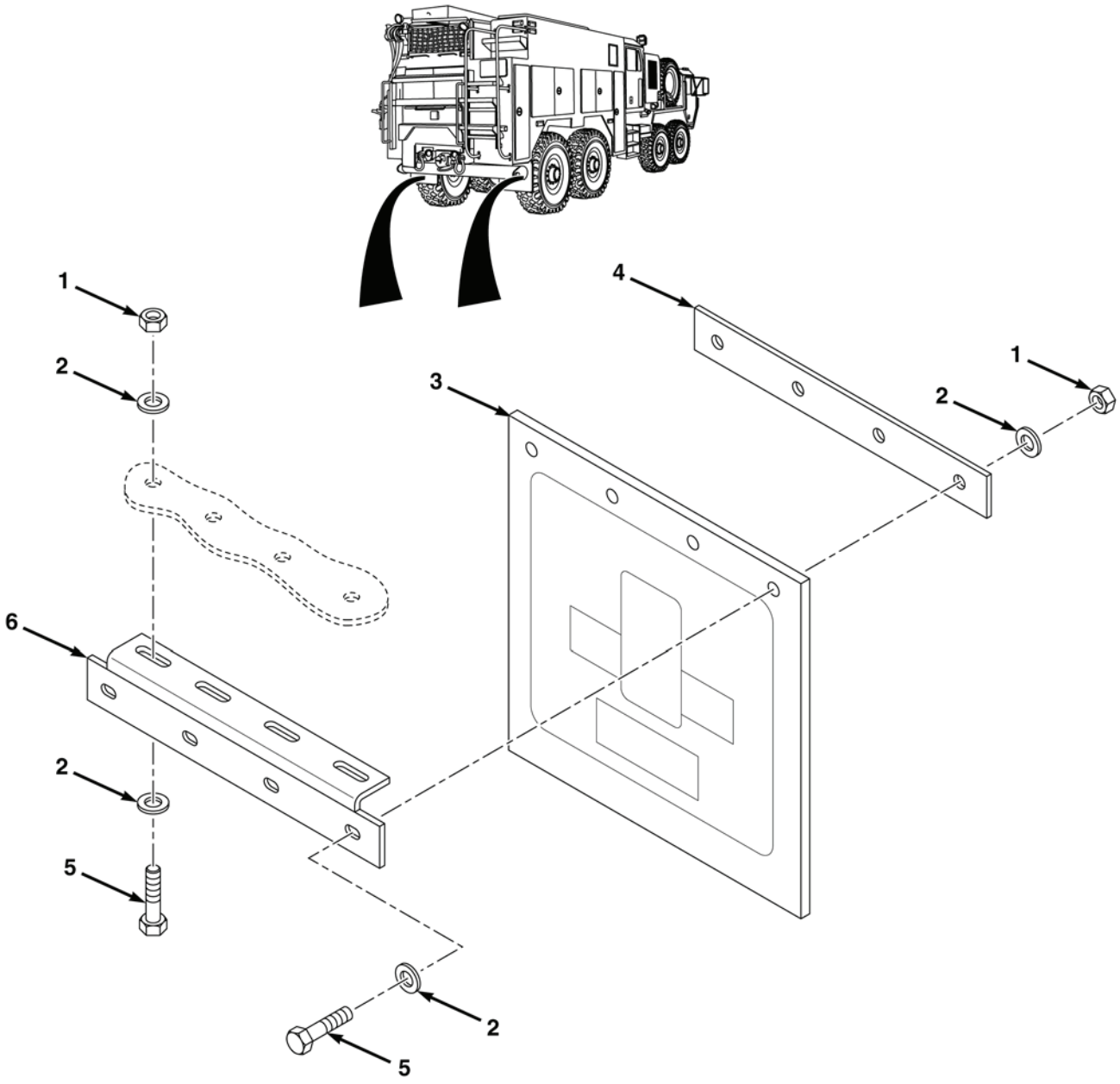


FIG. 141 SPLASH GUARD INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 141 SPLASH GUARD INSTALLATION	
1	PAFZZ	5310-00-088-1251	81349	M45913/1-4CG5C	NUT,SELF-LOCKING 1/4-20 NC	16
2	PAFZZ	5310-01-204-2167	39428	90126A029	WASHER,FLAT SAE,.25"X.63OD	32
3	PAFZZ	2540-01-215-4234	45152	1407350	GUARD,SPLASH,VEHICU	2
4	PAFZZ		04664	25-2832	REINFORCEMENT,MUD 24 IN	2
5	PAFZZ		04664	82-2072-0075	SCREW,CAP,HEXAGON 1/4-20 X 3/4,S/S	16
6	PAFZZ		04664	25-2831	ANGLE,MOUNTING	2
					END OF FIGURE	

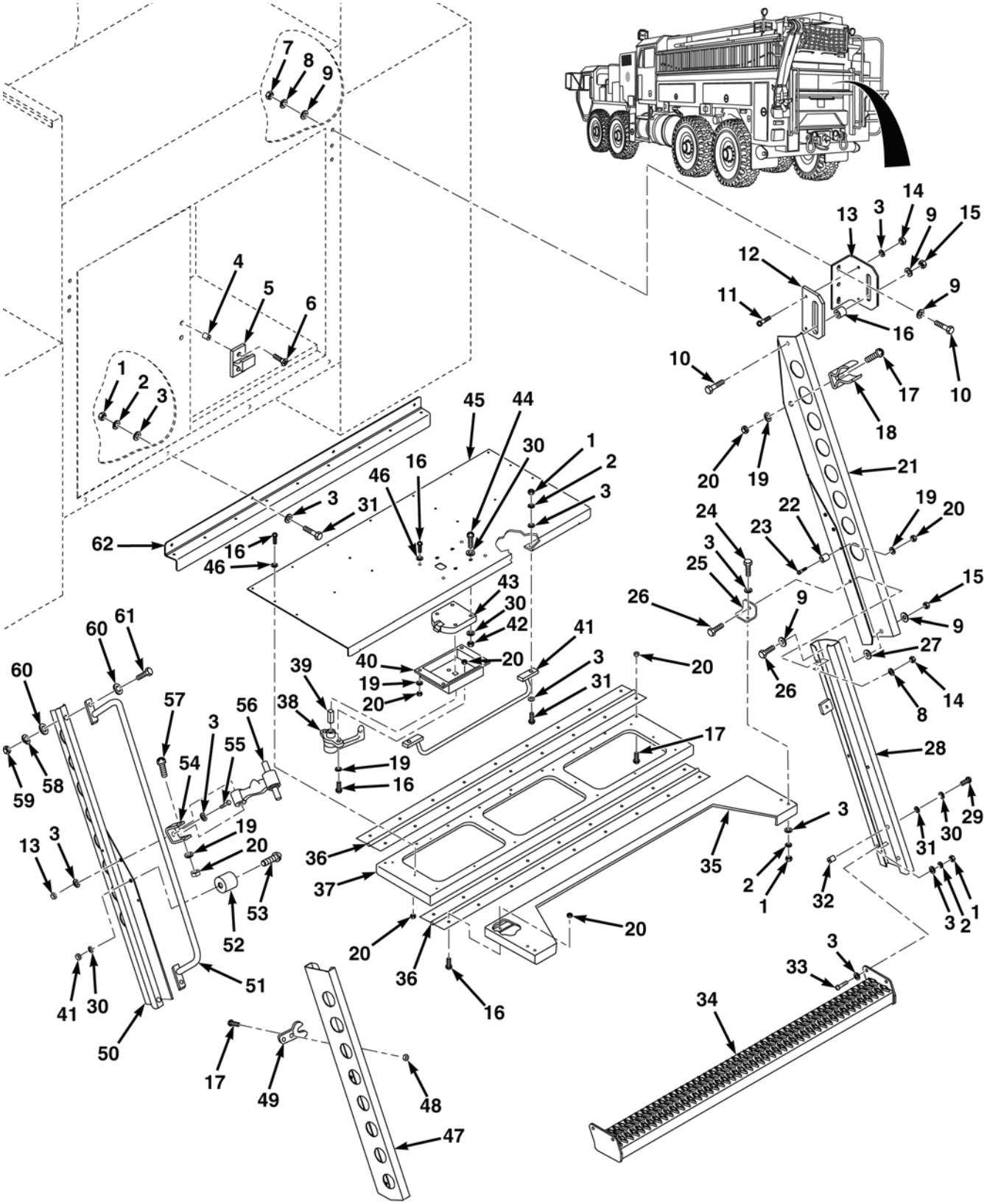


FIG. 142 REAR WORK PLATFORM

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 142 REAR WORK PLATFORM	
1	PAFZZ	5310-00-880-7744	80204	ANSI B18.2.2	NUT,PLAIN,HEXAGON .312-18UNC	16
2	PAFZZ	5310-00-933-8122	96906	MS35338-159	WASHER,LOCK .312	16
3	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT .312	22
4	PAFZZ	5325-01-517-2270	04664	82-0257-0002	INSERT,SCREW THREAD .25-20	2
5	PAFZZ	5340-01-517-9299	04664	1340309	STRIKE,CATCH ACCESS STEP	1
6	PAFZZ	5305-00-958-5245	80205	MS35190-288	SCREW,MACHINE . 25-20 X .625 FLAT HEAD	2
7	PAFZZ	5310-00-768-0321	96906	MS51971-5	NUT,PLAIN,HEXAGON .500-13UNC	6
8	PAFZZ	5310-00-584-5272	80205	MS35338-48	WASHER,LOCK .500	8
9	PAFZZ	5310-00-809-5997	96906	MS27183-17	WASHER,FLAT .500	8
10	PAFZZ	5305-00-071-2071	80204	B1821BH050C200N	SCREW,CAP,HEXAGON .500-13 X 2.00 G8	8
11	PAFZZ	5305-00-958-5254	80205	MS35190-307	SCREW,MACHINE .312-18 X 1.25 FLAT HEAD	4
12	PBFZZ		04664	1337674	WEAR PAD,REAR ACCES	2
13	PFFZZ		04664	1331610	PIVOT,BRACKET	2
14	PAFZZ	5310-00-913-3366	81349	M45913/1-5CBB	NUT,SELF-LOCKING .312-18UNC	5
15	PAFZZ	5310-00-225-6993	81349	M45913/1-8CG5C	NUT,SELF-LOCKING .500-13UNC	6
16	PAFZZ		04664	930007-00094	PIPE BLK STL SCHED 40 0.38 DIA X 0.94 LONG	2
17	PAFZZ	5305-00-050-9231	96906	MS51957-65	SCREW,MACHINE 10-24 X 3/4	48
18	PAFZZ	5340-01-517-7726	04664	1056752	CLIP,SPRING TENSION	2
19	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10-24	25
20	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24	45
21	PAFZZ		04664	1331609	RAIL,UPPER,RH	1
22	PAFZZ	5365-01-517-3448	04664	64-0908-0002	SPACER,SLEEVE	2
23	PAFZZ	5305-00-984-6216	96906	MS35206-269	SCREW,MACHINE 10-24 X 1 1/2	2
24	PAFZZ	5306-00-637-9675	96906	MS35307-332	BOLT,MACHINE .312-18 X .75	4
25	PAFZZ		04664	1333167	ANGLE,RAIL MOUNT	2
26	PAFZZ	5305-00-732-0511	80204	B1821BH050C113N	SCREW,CAP,HEXAGON .500-13 X 1.125	4
27	PAFZZ	3120-01-517-9777	04664	82-1019	BEARING,WASHER .500 DIA	2
28	PAFZZ		04664	1331613	RAIL,LOWER,RH	1
29	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1	2
30	PAFZZ	5310-00-582-5965	80205	MS35338-44	WASHER,LOCK .25	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
31	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	2
32	PAFZZ	5365-01-517-3426	04664	1340341	SPACER,SPECIAL SHAP CATCH,STUB	2
33	PAFZZ	5305-00-226-4831	80204	B1821BH031C150N	SCREW,CAP,HEXAGON .312-18 X 1.5	16
34	PAFZZ		04664	1331617	STEP WELDMENT,REAR	2
35	PAFZZ		04664	1331607	PLATFORM,OUTER	1
36	PBFZZ		04664	941010-05050	HINGE,S/S 1.81 WIDE	2
37	PFFZZ		04664	1331606	PLATFORM,INNER	1
38	PAFZZ	2540-01-517-3427	04664	80-2069	HANDLE,DOOR,VEHICUL	1
39	PAFZZ	3040-01-517-3699	04664	15-0864	SHAFT,HANDLE DOOR LOCK	1
40	PAFZZ		04664	1459272	ENCLOSURE,LOCK,REAR ACCESS STEP	1
41	PAFZZ		04664	1340337	HANDRAIL ASSEMBLY ACCESS STEP	1
42	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING .250-20UNC	4
43	PAFZZ	5305-01-338-7312	64678	23-10893-050	SCREW,SELF-DRILLING 12-24	4
43	PAFZZ	2510-01-517-3682	04664	80-2260	LOCK SET,VEHICULAR	1
44	PAFZZ	5305-00-988-1170	96906	MS35206-284	SCREW,MACHINE .25-20 X 1.25	1
45	PAFZZ		04664	1331616	PLATFORM,COVER	1
46	PAFZZ	5310-01-517-4200	04664	82-1017-001	WASHER,FLAT 10 NYLON	21
47	PAFZZ		04664	1331612	RAIL,LOWER,LH	1
48	PAFZZ		3A054	90675A011	NUT,KEPS,LOCK 10-24UNC	2
49	PFFZZ	2590-01-517-2878	04664	1331040	BRACKET,VEHICULAR C	1
50	PAFZZ		04664	1331608	RAIL,UPPER,LH	1
51	PAFZZ		04664	1363450	HANDRAIL ASSY,40.00	2
52	PAFZZ	5340-00-253-0179	98893	795RW	BUMPER 1.50 OD X 1.50 L	2
53	PAFZZ	5305-00-988-1171	96906	MS35206-285	SCREW,MACHINE .25-20 X 1.50	2
54	PAFZZ	5340-01-156-6776	64386	277-A-80-1	STRAP,RETAINING	2
55	PAFZZ	5306-00-543-4405	80205	MS35307-334	BOLT,MACHINE .312-18 X 1	2
56	PAFZZ	2540-01-152-7764	64386	67D794	LATCH,HOOD	2
57	PAFZZ	5305-00-984-6217	96906	MS35206-270	SCREW,MACHINE 10-24 X 1.75 IN	1
58	PAFZZ	5310-01-081-1283	45152	352AX	WASHER,LOCK .438	4
59	PAFZZ	5310-00-880-8189	96906	MS51967-11	NUT,PLAIN,HEXAGON .438-14UNC	4
60	PAFZZ	5310-00-809-4061	96906	MS27183-15	WASHER,FLAT .438	8
61	PAFZZ	5305-00-071-1788	80204	B1821BH044C125N	SCREW,CAP,HEXAGON .438-14 X 1.25 IN	4
62	PFFZZ		04664	1337793	MOUNT,HINGE,REAR ST	1

END OF FIGURE

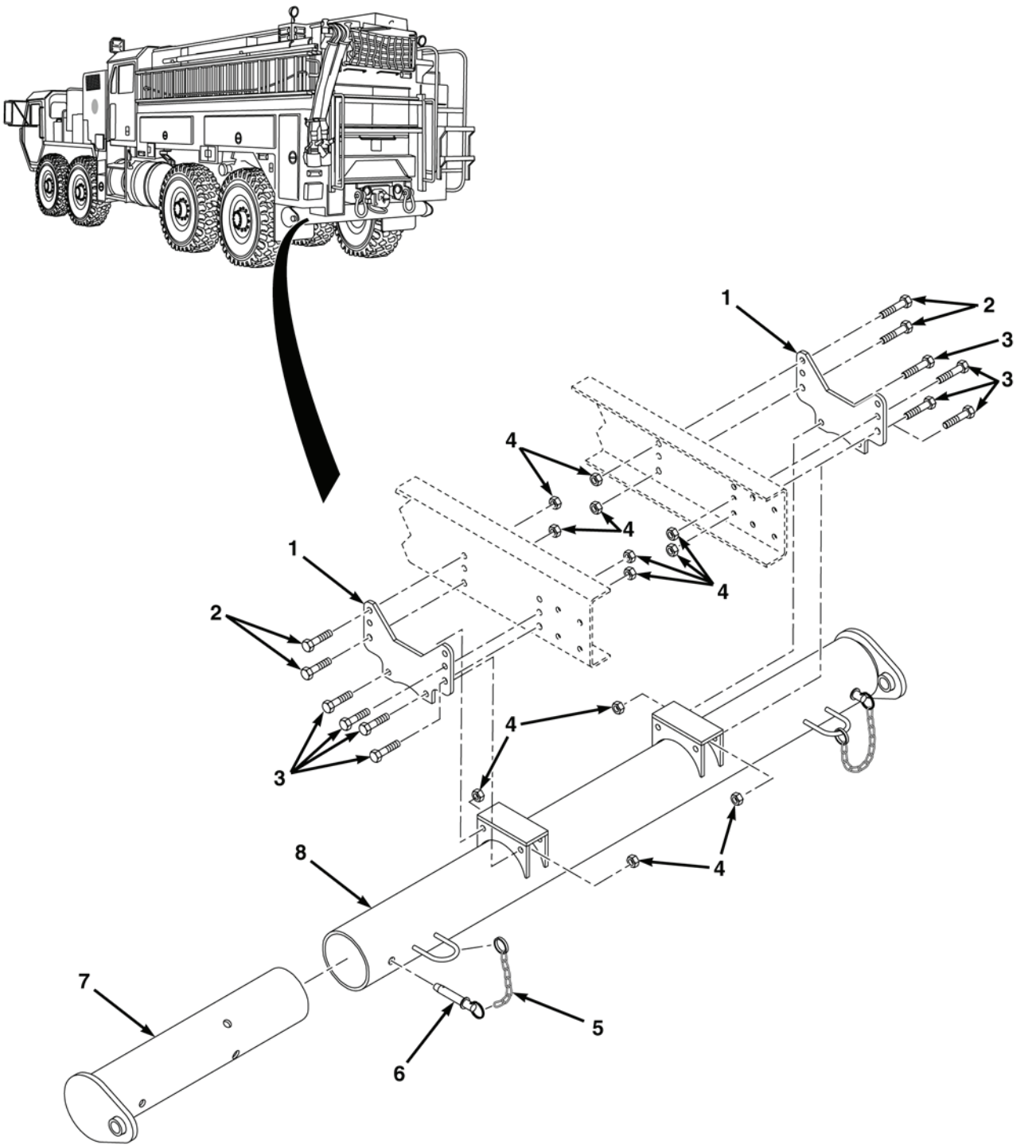


FIG. 143 REAR LIFT BAR ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 143 REAR LIFT BAR ASSEMBLY	
1	PFFZZ	2590-01-559-2425	04664	1182200	BRACKET,FRAME LIFT BAR	2
2	PAFZZ	5306-00-146-3163	04984	64-7-500-4	BOLT,MACHINE 3/4-10 X 3 1/2	4
3	PAFZZ	5306-00-001-4766	04664	82-0227-0250	BOLT,MACHINE	8
4	PAFZZ	5310-00-027-2022	90099	386B203-013	NUT,SELF-LOCKING	12
5	PAFZZ	4010-01-518-3673	46156	60104-32	CHAIN ASSEMBLY	2
6	PAFZZ	5315-01-517-9417	39428	98485A	PIN,QUICK RELEASE	2
7	PAFZZ	3040-01-559-3240	04664	1182208	SLIDER,LIFT BAR	2
8	PAFZZ	4710-01-559-4360	04664	1182218	BAR,LIFT	1
					END OF FIGURE	

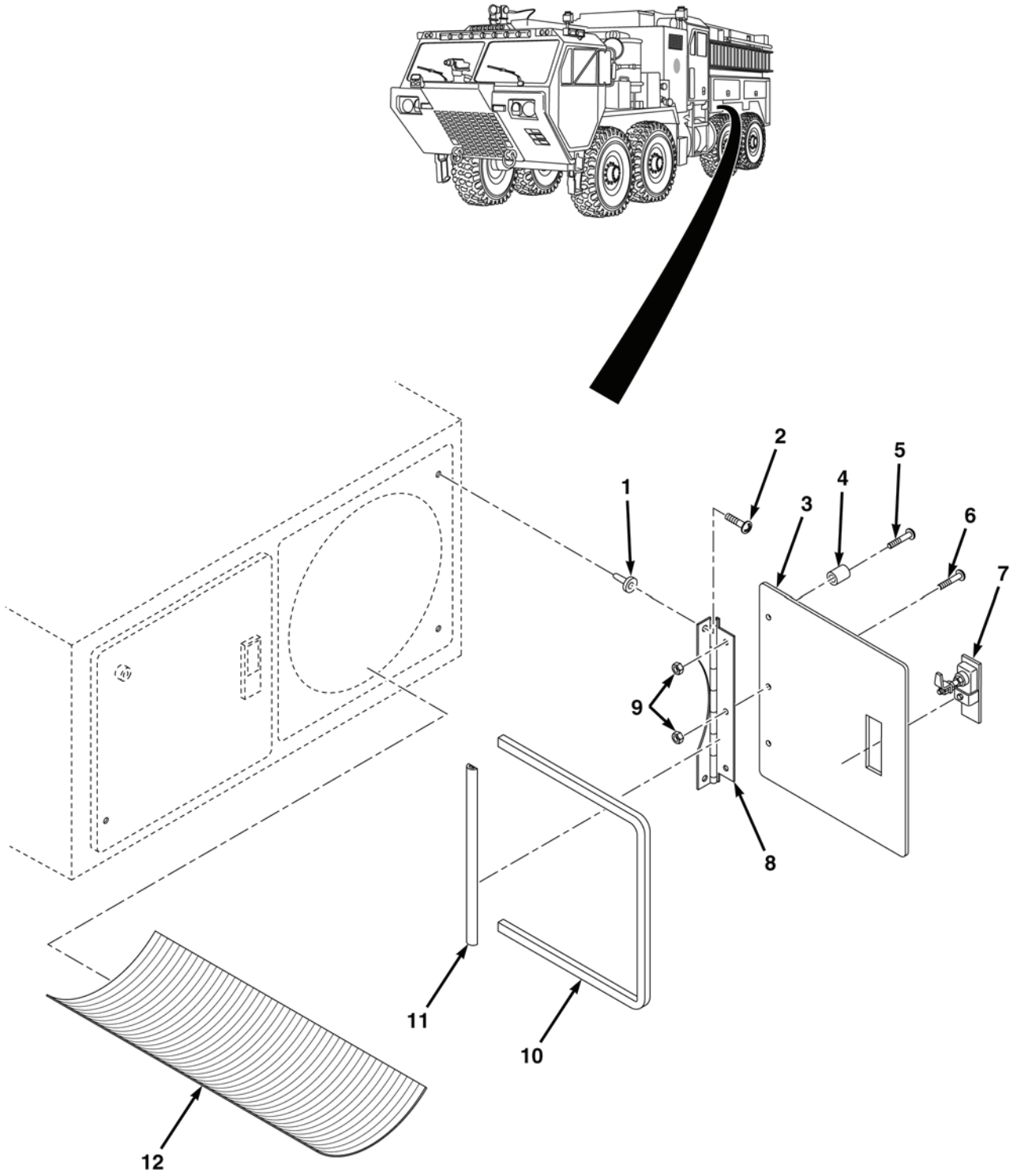


FIG. 144 AB-COMPARTMENT TRIM KIT

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 144 AB-COMPARTMENT TRIM KIT	
1	PAFZZ	5340-01-518-2859	02768	212-250301-00	GROMMET,SCREW ANCHOR	2
2	PAFZZ	5305-00-050-9227	96906	MS51957-61	SCREW,MACHINE 10-24 X 3/8.	2
3	PFFZZ		04664	1183549	DOOR,COMPARTMENT AIR BOTTLE . .	1
4	PAFZZ	5340-01-517-9049	98893	755R	BUMPER HEAD,3/8-16 X 1 1/8	1
5	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X .75.	1
6	PAFZZ	5305-01-517-3710	92858	9958.0001	SCREW,MACHINE 10-24 X .50.	2
7	PAFZZ	5340-01-111-2451	96214	805435-3	LEVER,LOCK-RELEASE.	1
8	PBFZZ		04664	1183550	HINGE,COMPARTMENT AIR BOTTLE. .	1
9	PAFZZ		3A054	90675A011	NUT,KEPS,LOCK 10-24 UNC	3
10	MFFZZ		04664	943127-00025	SEAL,DOOR MAKE FROM P/N 4813, CAGE 56329,APPROX 25 IN. LG.	25
11	MFFZZ		04664	943064	RUBBER,D-SECTION MAKE FROM P/N 1085-3017,CAGE 56329,APPROX 25 IN. LG.	1
12	PAFZZ		04664	25-3540-0020	MATTING,FLOOR AIR BOX.	1
					END OF FIGURE	

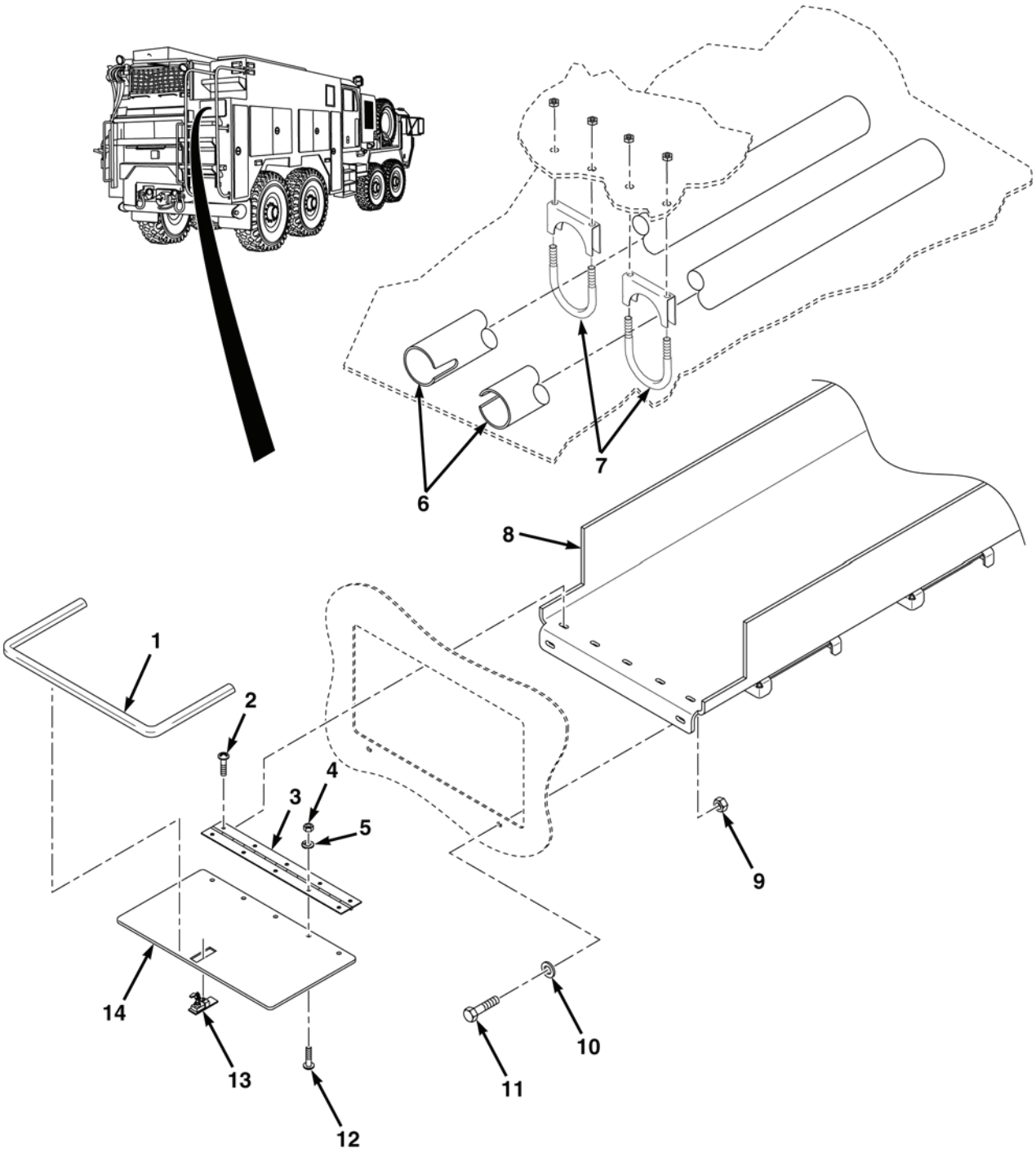


FIG. 145 HSH THROUGH ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 145 HSH THROUGH ASSEMBLY	
1	MFFZZ		04664	943064-12	RUBBER,D-SECTION MAKE FROM P/N 1085-3017,CAGE 56329,APPROX 12 IN. LG.	1
2	PAFZZ	5305-00-562-2750	96906	MS24628-64	SCREW,TAPPING 1/4-20 X 3/4	5
3	PBFZZ		04664	1219372	HINGE,DOOR,HARD SUC	1
4	PAFZZ	5310-01-066-6759	56878	21NE-040	NUT,SELF-LOCKING 1/4-20 NC	5
5	PAFZZ	5310-00-582-5965	80205	MS35338-44	WASHER,LOCK .25.	5
6	PAFZZ		04664	72-0252-0007	TUBING	2
7	PAFZZ	5340-01-398-6995	72741	656-214	CLAMP,LOOP 2 1/4	4
8	PFFZZ		04664	1136399	TROUGH ASSEMBLY HOUSING	1
9	PAFZZ	5310-00-176-6271	81349	M45913/1-9CG5C	NUT,SELF-LOCKING 9/16-12	4
10	PAFZZ	5310-00-809-3079	96906	MS27183-19	WASHER,FLAT 9/16	4
11	PAFZZ	5305-00-943-5926	80204	B1821BH056C100N	SCREW,CAP,HEXAGON HEAD, 9/16-12 X 1.	4
12	PAFZZ	5305-00-988-1723	80205	MS35206-279	SCREW,MACHINE 1/4-20 X 1/2	5
13	PAFZZ	5340-01-111-2451	96214	805435-3	LEVER,LOCK-RELEASE.	1
14	PFFZZ		04664	1217879	DOOR,HARD SUCTION	1
					END OF FIGURE	

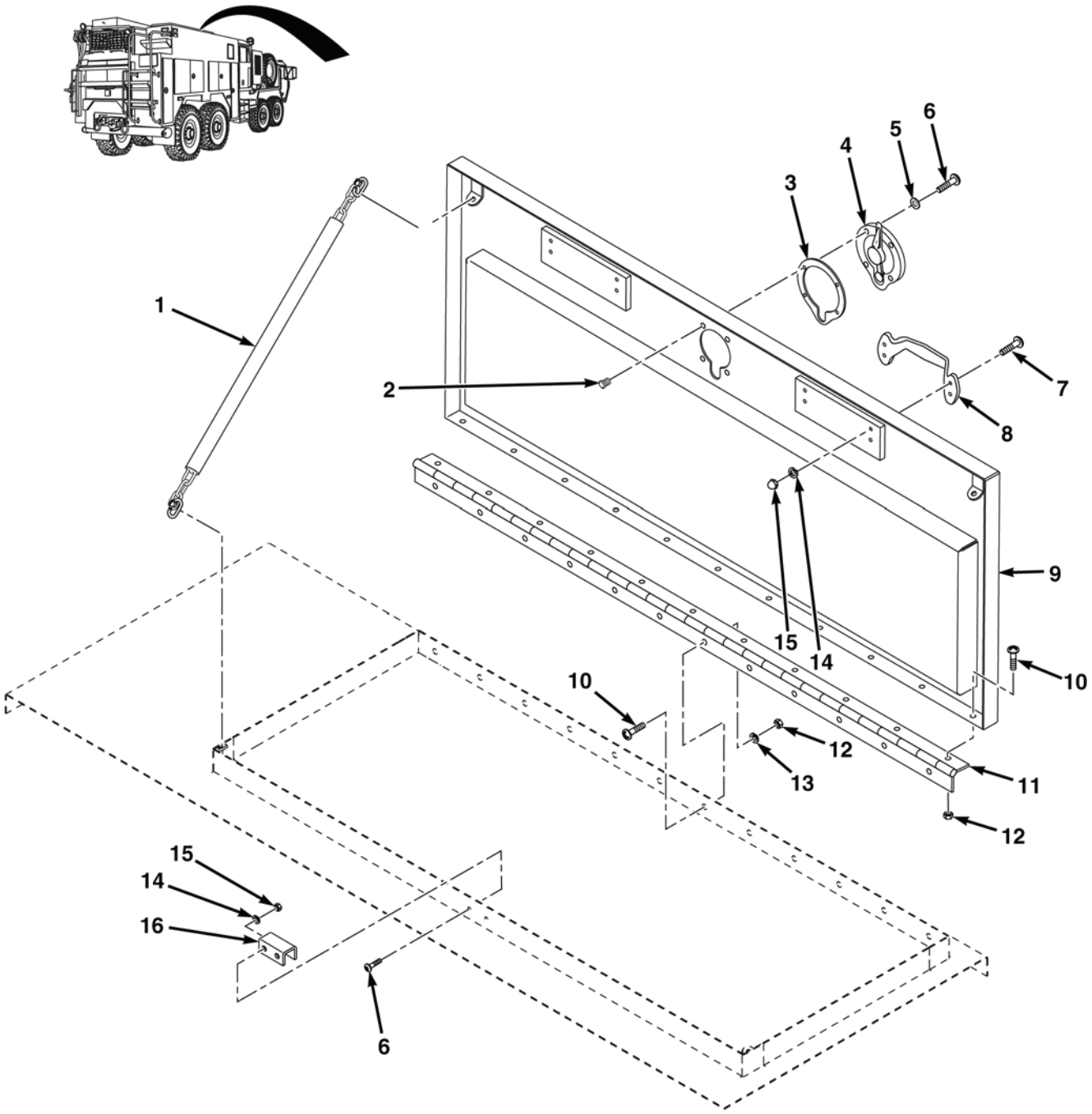


FIG. 146 DOOR ASSEMBLY, H1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 146 DOOR ASSEMBLY, H1	
1	PAFZZ		04664	1220774	CHAIN,HATCH DOOR	2
2	PAFZZ	5325-01-517-2773	04664	82-0260-0002	INSERT,SCREW THREAD 10-24	4
3	PAFZZ	5330-01-517-8998	19220	G9	GASKET	1
4	PAFZZ	5340-01-516-8876	7B735	ALHZ101S SS RH	HANDLE,RECESS	1
5	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	4
6	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	6
7	PAFZZ	5305-00-068-9167	80205	NASM35202-73	SCREW,MACHINE 1/4-20 X 1	8
8	PAFZZ	5340-01-517-6651	04664	1180392	HANDLE,BOW	2
9	PFFZZ		04664	1180393	COVER ASSEMBLY HATCH COMPARTMENT	1
10	PAFZZ	5305-00-050-9226	96906	MS51957-60	SCREW,MACHINE 10-24 X 5/16	23
11	PBFZZ		04664	1180384	HINGE	1
12	PAFZZ	5310-01-142-7049	45152	1817HX	NUT,PLAIN,HEXAGON 10-24	27
13	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	12
14	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	10
15	PAFZZ	5310-00-984-3805	58536	AA55629-5	NUT,PLAIN,CAP 1/4-20	10
16	PFFZZ		04664	1338938	BRACKET,HB HATCH LO	1
					END OF FIGURE	

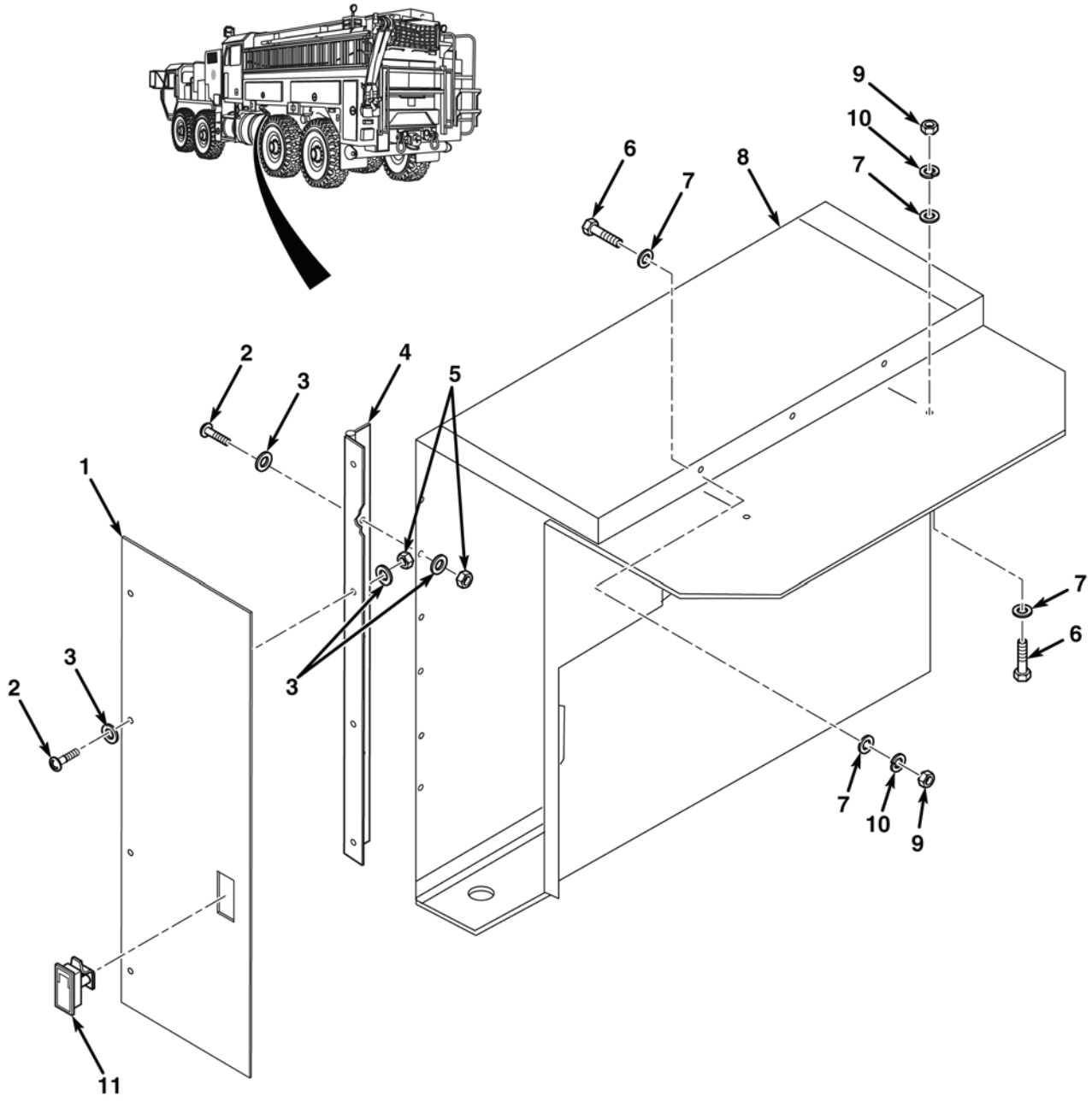


FIG. 147 WHEEL CHOCK STORAGE BOX

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 147 WHEEL CHOCK STORAGE BOX	
1	PFFZZ		04664	1400680	DOOR	1
2	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	7
3	PAFZZ	5310-00-060-9242	80205	NAS42DD6-5	WASHER,FLAT 3/16	14
4	PBFZZ		04664	1400667	HINGE	1
5	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	7
6	PAFZZ	5305-01-292-9997	80205	MS35190-293	SCREW,MACHINE 5/16-18 X 7/16	5
7	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	10
8	PAFZZ		04664	1036567	BOX,WHEEL CHOCKS	1
9	PAFZZ	5310-00-761-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON 1/4-20	5
10	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	5
11	PAFZZ	5340-01-558-8931	94222	62-40-251-2	LEVER,LOCK-RELEASE	1
					END OF FIGURE	

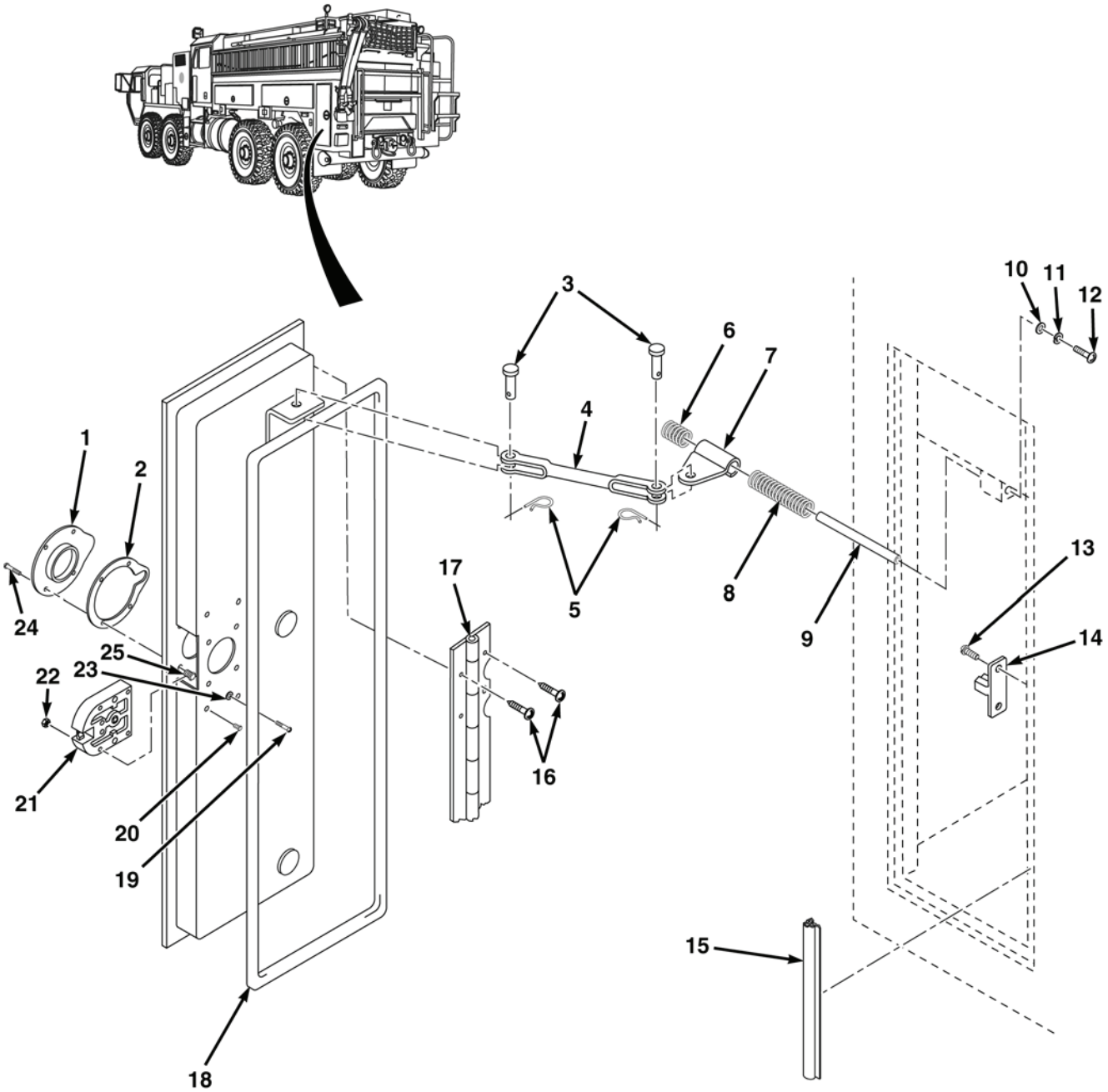


FIG. 148 DOOR ASSEMBLY, D1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 148 DOOR ASSEMBLY, D1	
1	PAFZZ	5340-01-517-8991	19220	279LZN	HANDLE,RECESS	1
2	PAFZZ	5330-01-517-8998	19220	G9	GASKET	1
3	PAFZZ	5315-01-334-8656	96652	11-035	PIN,STRAIGHT,HEAD	2
4	PAFZZ		04664	80-4040	ARM,DOOR	1
5	PAFZZ	5315-01-517-5982	96652	22-02	PIN,LOCK	2
6	PAFZZ	5360-01-517-6911	39428	96570K15	SPRING,HELICAL,COMP	1
7	PAFZZ		04664	80-4037	SLIDE,DOOR	1
8	PAFZZ	5360-01-517-6538	04664	80-4038	SPRING,HELICAL,COMP	1
9	PAFZZ		04664	80-4036	ROD,DOOR SLIDE 9.88" LONG	1
10	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	2
11	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	2
12	PAFZZ	5306-00-543-4405	80205	MS35307-334	BOLT,MACHINE 5/16-18 X 1	2
13	PAFZZ	5305-00-184-1421	96906	MS24628-53	SCREW,TAPPING 10-24 X 1 1/4	2
14	PAFZZ		04664	80-2261	STRIKER,NON-PERSONN	1
15	MFFZZ		04664	1473880-106	SEAL,DOOR,D-SECTION MAKE FROM P/N 1021986-00,CAGE 56329,APPROX 106 IN. LG.	5
16	PAFZZ	5305-00-855-0964	80205	MS24629-48	SCREW,TAPPING	24
17	PBFZZ		04664	1379480-0003	HINGE,DOOR	1
18	MFFZZ		04664	943005-106	SEAL,DOOR MAKE FROM P/N 94-3005, CAGE 04664,APPROX 106 IN. LG.	5
19	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X 3/4	8
20	PAFZZ	5305-01-517-8957	09772	3605001	SCREW,PANEL FASTENE	4
21	PAFZZ	2510-01-517-3682	04664	80-2260	LOCK SET,VEHICULAR	1
22	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	4
23	PAFZZ	5310-00-452-1356	04664	82-0418-0001	WASHER,FLAT 3/16	4
24	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	4
25	PAFZZ	5325-01-517-2773	04664	82-0260-0002	INSERT,SCREW THREAD 10-24	8
					END OF FIGURE	

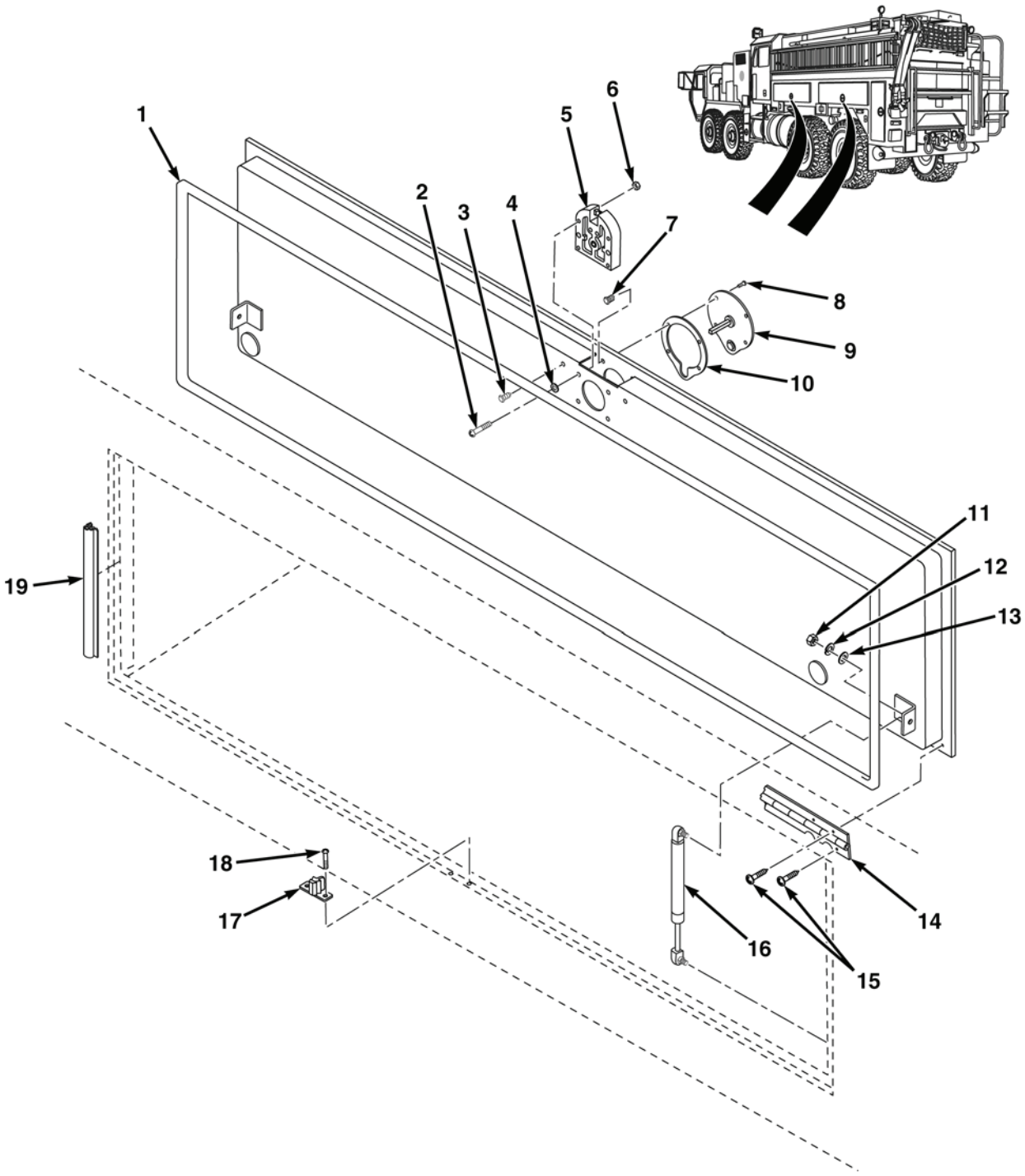


FIG. 149 DOOR ASSEMBLY, D2/D3

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 149 DOOR ASSEMBLY, D2/D3	
1	MFFZZ		04664	1437880-154	SEAL,DOOR,D-SECTION MAKE FROM P/N 1021986-00,CAGE 56329,APPROX 154 IN. LG.	2
2	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X 3/4	12
3	PAFZZ	5305-01-517-8957	09772	3605001	SCREW,PANEL FASTENE	8
4	PAFZZ	3120-01-538-4377	39428	91145A178	BUSHING,SLEEVE	4
5	PAFZZ	2510-01-517-3682	04664	80-2260	LOCK SET,VEHICULAR	2
6	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	4
7	PAFZZ	5325-01-517-2773	04664	82-0260-0002	INSERT,SCREW THREAD 10-24	4
8	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	4
9	PAFZZ	5340-01-517-8991	19220	279LZN	HANDLE,RECESS	1
10	PAFZZ	5330-01-517-8998	19220	G9	GASKET	1
11	PAFZZ	5310-01-281-0563	96906	MS51967-35	NUT,PLAIN,HEXAGON 5/16-18	2
12	PAFZZ	5310-00-933-8122	96906	MS35338-159	WASHER,LOCK 5/16	2
13	PAFZZ	5310-01-199-4393	39428	92141A030	WASHER,FLAT 5/16	2
14	PBFZZ		04664	1379480-0006	HINGE,DOOR	2
15	PAFZZ	5305-00-855-0964	80205	MS24629-48	SCREW,TAPPING	24
16	PAFZZ	3040-01-517-5781	19220	EAA-8350-U-90	PISTON,LINEAR ACTUA 90 LB, 8.40	4
17	PAFZZ		04664	80-2261	STRIKER,NON-PERSONN	2
18	PAFZZ	5305-00-184-1421	96906	MS24628-53	SCREW,TAPPING 10-24 X 1 1/4	4
19	MFFZZ		04664	943005-154	SEAL,DOOR,RUBBER MAKE FROM P/N 94-3005,CAGE 04664,APPROX 154 IN. LG.	2
					END OF FIGURE	

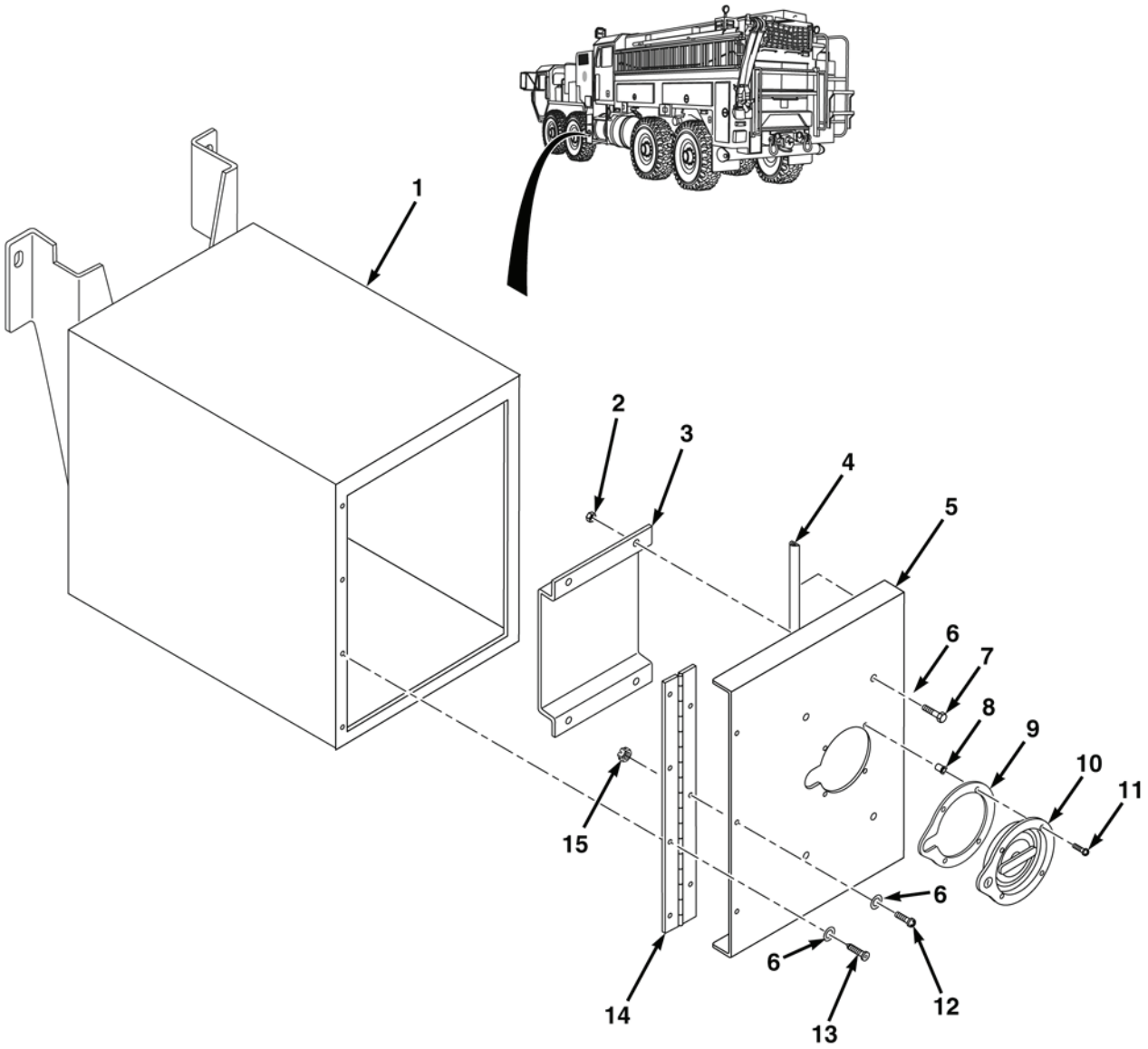


FIG. 150 COMPARTMENT ASSEMBLY, D4

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 150 COMPARTMENT ASSEMBLY, D4	
1	PFFZZ	2540-01-559-3598	04664	1340516	COMPARTMENT UNDER PUMPHOUSE	1
2	PAFZZ	5310-01-142-7049	45152	1817HX	NUT,PLAIN,HEXAGON 10-24	4
3	PFFZZ		04664	1368590	GUARD,D-HANDLE.	1
4	MFFZZ		04664	1437880-45	SEAL,DOOR,D-SECTION MAKE FROM P/N 1021986-00,CAGE 56329,APPROX 45 IN. LG.	1
5	PFFZZ		04664	1340582	DOOR,COMPARTMENT UNDER PUMPHOUSE	1
6	PAFZZ	5310-00-452-1356	04664	82-0418-0001	WASHER,FLAT 3/16	11
7	PAFZZ	5305-00-050-9230	96906	MS51957-64	SCREW,MACHINE 10-24 X 5/8.	4
8	PAFZZ	5325-01-517-2773	04664	82-0260-0002	INSERT,SCREW THREAD 10-24	4
9	PAFZZ	5330-01-517-8998	19220	G9	GASKET.	1
10	PAFZZ	5340-01-516-8876	7B735	ALHZ101S SS RH	HANDLE,RECESS.	1
11	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X 3/4.	4
12	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4.	3
13	PAFZZ		39428	93686A520	SCREW,TAPPING,SKT HEAD, 10-24 X 3/4.	4
14	PBFZZ		04664	1340617	HINGE,DOOR COMPARTMENT D4	1
15	PAFZZ		3A054	90675A011	NUT,KEPS,LOCK 10-24.	3
					END OF FIGURE	

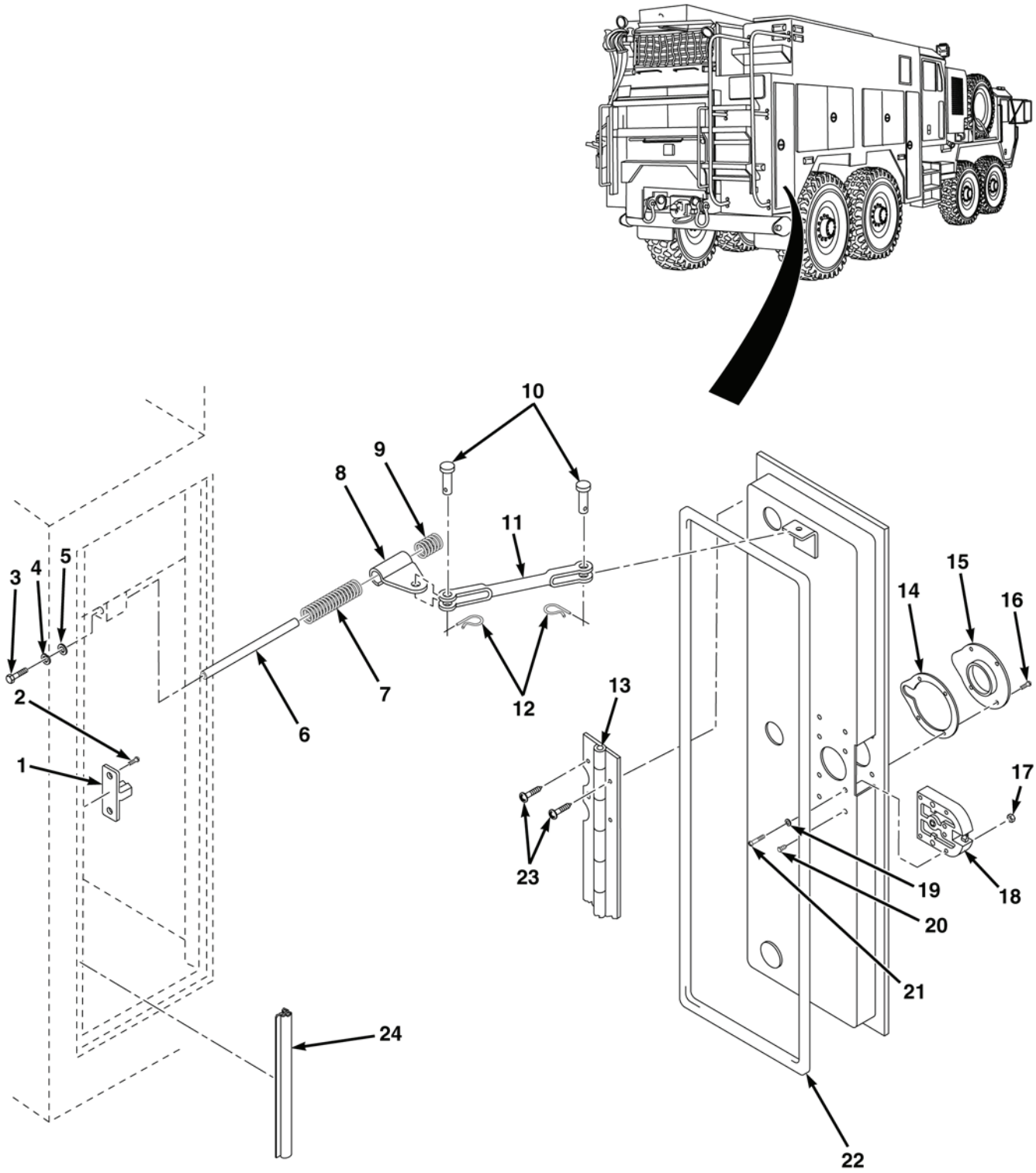


FIG. 151 DOOR ASSEMBLY, P1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 151 DOOR ASSEMBLY, P1	
1	PAFZZ		04664	80-2261	STRIKER,NON-PERSONN	1
2	PAFZZ	5305-00-184-1421	96906	MS24628-53	SCREW,TAPPING 10-24 X 1 1/4	2
3	PAFZZ	5306-00-543-4405	80205	MS35307-334	BOLT,MACHINE 5/16-18 X 1	2
4	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	2
5	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	2
6	PAFZZ		04664	80-4036	ROD,DOOR SLIDE 9.88" LONG	1
7	PAFZZ	5360-01-517-6928	03PF8	C 694-097-104	SPRING,HELICAL 6.50	1
8	PAFZZ		04664	80-4037	SLIDE,DOOR	1
9	PAFZZ	5360-01-517-6911	39428	96570K15	SPRING,HELICAL,COMP	1
10	PAFZZ	5315-01-334-8656	96652	11-035	PIN,STRAIGHT,HEAD	2
11	PAFZZ		04664	80-4040	ARM,DOOR	1
12	PAFZZ	5315-01-517-5982	96652	22-02	PIN,LOCK	2
13	PBFZZ		04664	1379480-0005	HINGE,DOOR	1
14	PAFZZ	5330-01-517-8998	19220	G9	GASKET	1
15	PAFZZ	5340-01-517-8991	19220	279LZN	HANDLE,RECESS	1
16	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	4
17	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	4
18	PAFZZ	2510-01-517-3682	04664	80-2260	LOCK SET,VEHICULAR	1
19	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	4
20	PAFZZ	5305-01-517-8957	09772	3605001	SCREW,PANEL FASTENE	4
21	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X 3/4	4
22	MFFZZ		04664	1437880-83	SEAL,DOOR,D-SECTION MAKE FROM P/N 1021986-00,CAGE 56329,APPROX 83 IN. LG.	1
23	PAFZZ	5305-00-855-0964	80205	MS24629-48	SCREW,TAPPING	24
24	MFFZZ		04664	943005-135	SEAL,DOOR,RUBBER MAKE FROM P/N 94-3005, CAGE 04664,APPROX 135 IN. LG.	1
					END OF FIGURE	

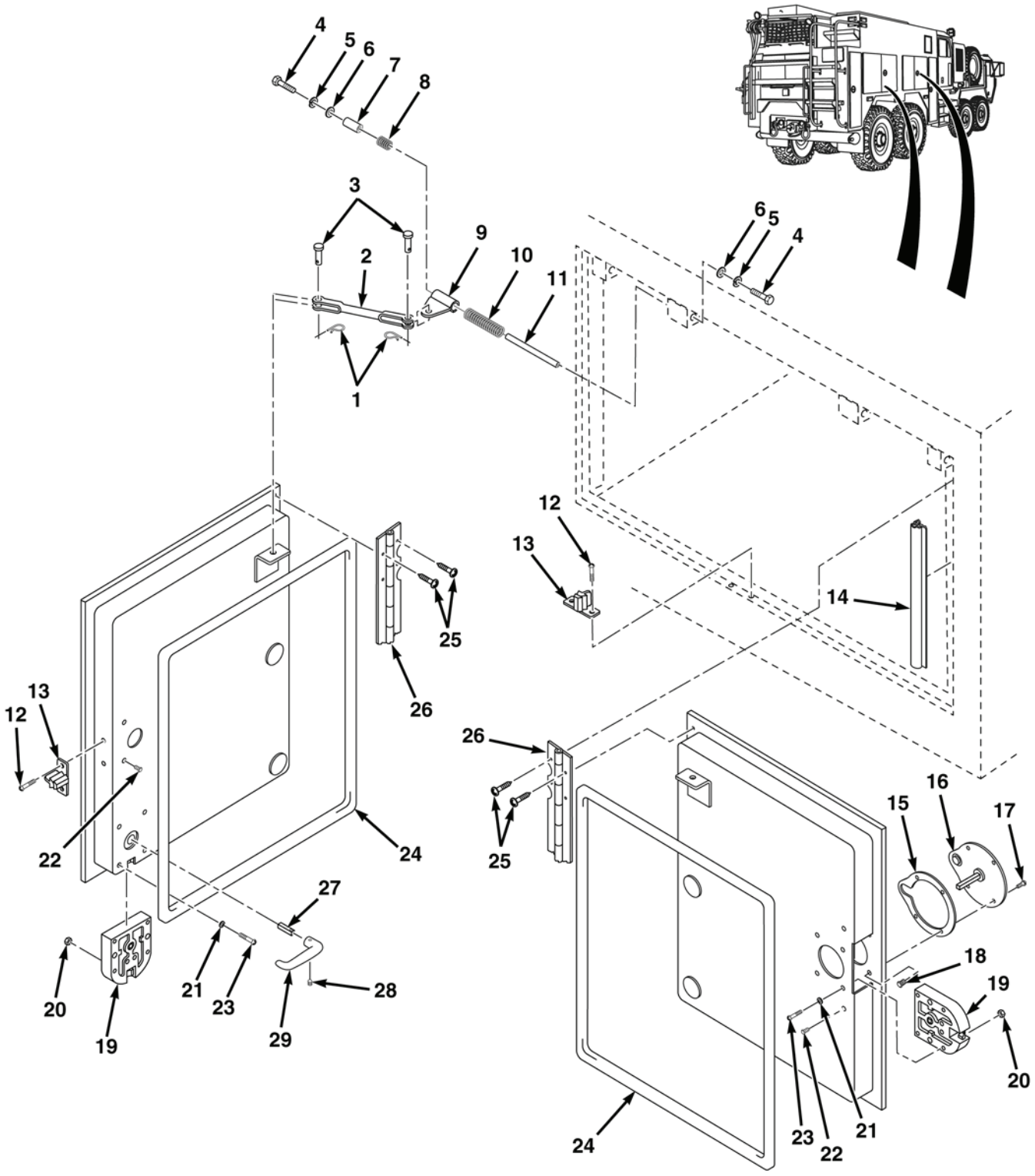


FIG. 152 DOOR ASSEMBLY, P2/P3

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 152 DOOR ASSEMBLY, P2/P3	
1	PAFZZ	5315-01-517-5982	96652	22-02	PIN,LOCK	4
2	PAFZZ		04664	80-4040	ARM,DOOR	2
3	PAFZZ	5315-01-334-8656	96652	11-035	PIN,STRAIGHT,HEAD	4
4	PAFZZ	5306-00-543-4405	80205	MS35307-334	BOLT,MACHINE 5/16-18 X 1	4
5	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	4
6	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	4
7	PAFZZ		04664	80-4210	SPACER,DOOR	2
8	PAFZZ	5360-01-517-6911	39428	96570K15	SPRING,HELICAL,COMP	2
9	PAFZZ		04664	80-4037	SLIDE,DOOR	2
10	PAFZZ	5360-01-517-6928	03PF8	C 694-097-104	SPRING,HELICAL 6.50	2
11	PAFZZ		04664	80-4036	ROD,DOOR SLIDE 9.88" LONG	2
12	PAFZZ	5305-00-184-1421	96906	MS24628-53	SCREW,TAPPING 10-24 X 1 1/4	4
13	PAFZZ		04664	80-2261	STRIKER,NON-PERSONN	2
14	MFFZZ		04664	943005-168	SEAL,DOOR,RUBBER MAKE FROM P/N 94-3005,CAGE 04664,APPROX 168 IN. LG.	15
15	PAFZZ	5330-01-517-8998	19220	G9	GASKET	1
16	PAFZZ	5340-01-517-8991	19220	279LZN	HANDLE,RECESS	2
17	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	4
18	PAFZZ	5325-01-517-2773	04664	82-0260-0002	INSERT,SCREW THREAD 10-24	4
19	PAFZZ	2510-01-517-3682	04664	80-2260	LOCK SET,VEHICULAR	2
20	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	8
21	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	8
22	PAFZZ	5305-01-517-8957	09772	3605001	SCREW,PANEL FASTENE	4
23	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X 3/4	8
24	MFFZZ		04664	1437880-168	SEAL,DOOR,D-SECTION MAKE FROM P/N 1021986-00,CAGE 56329,APPROX 168 IN. LG.	2
25	PAFZZ	5305-00-855-0964	80205	MS24629-48	SCREW,TAPPING	48
26	PBFZZ		04664	1379480-0002	HINGE,DOOR	2
27	PAFZZ	3040-01-517-3699	04664	15-0864	SHAFT,HANDLE	1
28	PAFZZ	5305-00-723-9385	96906	MS51963-65	SETSCREW 5/16	1
29	PAFZZ		19220	53S-5565	HANDLE,DOOR,VEHICUL	1
					END OF FIGURE	

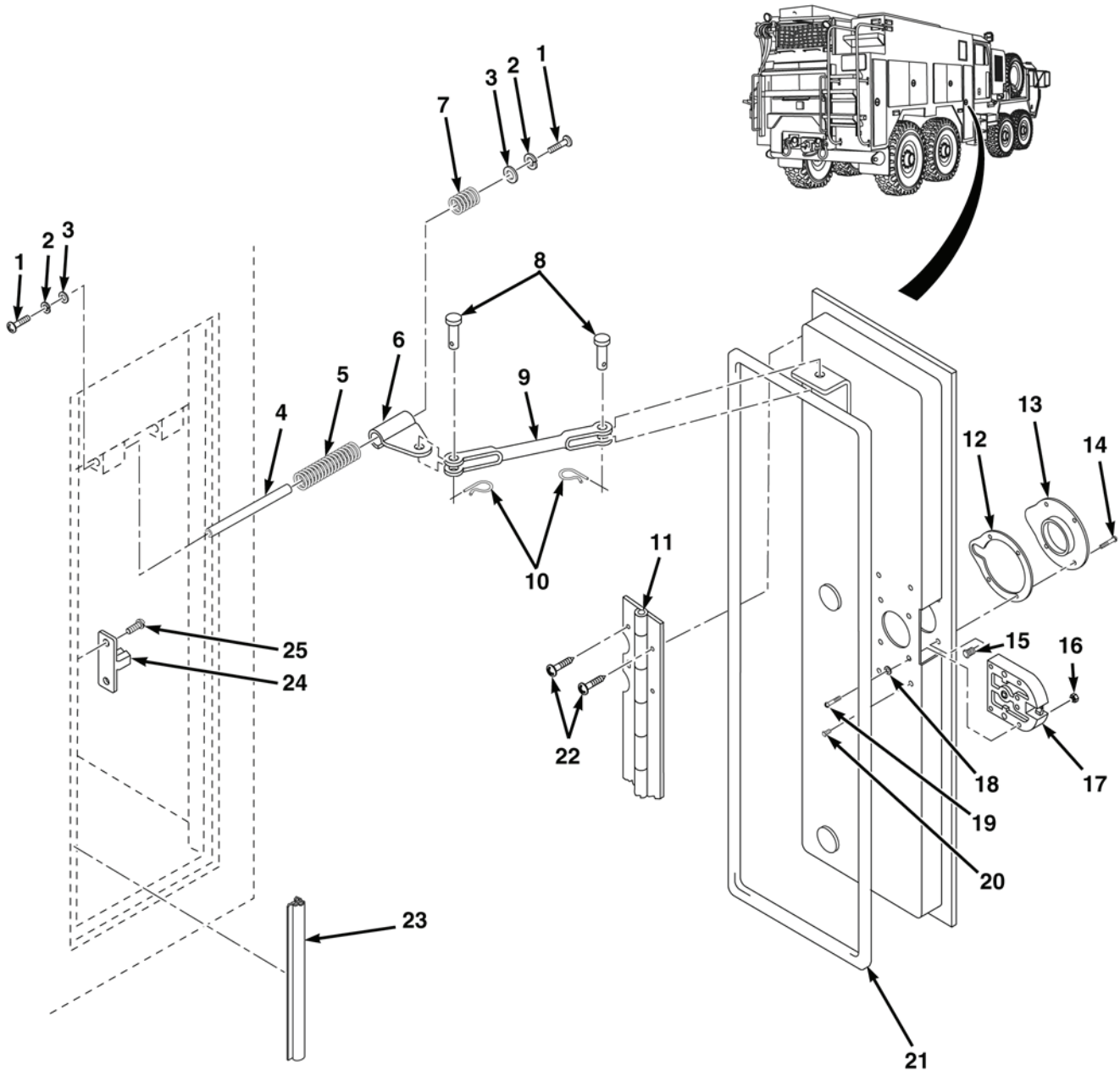


FIG. 153 DOOR ASSEMBLY, P4

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 153 DOOR ASSEMBLY, P4	
1	PAFZZ	5306-00-543-4405	80205	MS35307-334	BOLT,MACHINE 5/16-18 X 1	4
2	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	4
3	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	4
4	PAFZZ		04664	80-4036	ROD,DOOR SLIDE 9.88" LONG	1
5	PAFZZ	5360-01-517-6928	03PF8	C 694-097-104	SPRING,HELICAL 6.50	1
6	PAFZZ		04664	80-4037	SLIDE,DOOR	1
7	PAFZZ	5360-01-517-6911	39428	96570K15	SPRING,HELICAL,COMP	1
8	PAFZZ	5315-01-334-8656	96652	11-035	PIN,STRAIGHT,HEAD	2
9	PAFZZ		04664	80-4040	ARM,DOOR	1
10	PAFZZ	5315-01-517-5982	96652	22-02	PIN,LOCK	2
11	PBFZZ		04664	1379480-0006	HINGE,DOOR	1
12	PAFZZ	5330-01-517-8998	19220	G9	GASKET	1
13	PAFZZ	5340-01-517-8991	19220	279LZN	HANDLE,RECESS	1
14	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	4
15	PAFZZ	5325-01-517-2773	04664	82-0260-0002	INSERT,SCREW THREAD 10-24	4
16	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	4
17	PAFZZ	2510-01-517-3682	04664	80-2260	LOCK SET,VEHICULAR	1
18	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	4
19	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X 3/4	4
20	PAFZZ	5305-01-517-8957	09772	3605001	SCREW,PANEL FASTENE	4
21	MFFZZ		04664	1437880-164	SEAL,DOOR,D-SECTION MAKE FROM P/N 1021986-00,CAGE 56329,APPROX 164 IN. LG.	1
22	PAFZZ	5305-00-855-0964	80205	MS24629-48	SCREW,TAPPING	24
23	MFFZZ		04664	943005-164	SEAL,DOOR,RUBBER MAKE FROM P/N 94-3005,CAGE 04664,APPROX 164 IN. LG.	1
24	PAFZZ		04664	80-2261	STRIKER,NON-PERSONN	1
25	PAFZZ	5305-00-184-1421	96906	MS24628-53	SCREW,TAPPING 10-24 X 1 1/4	2
					END OF FIGURE	

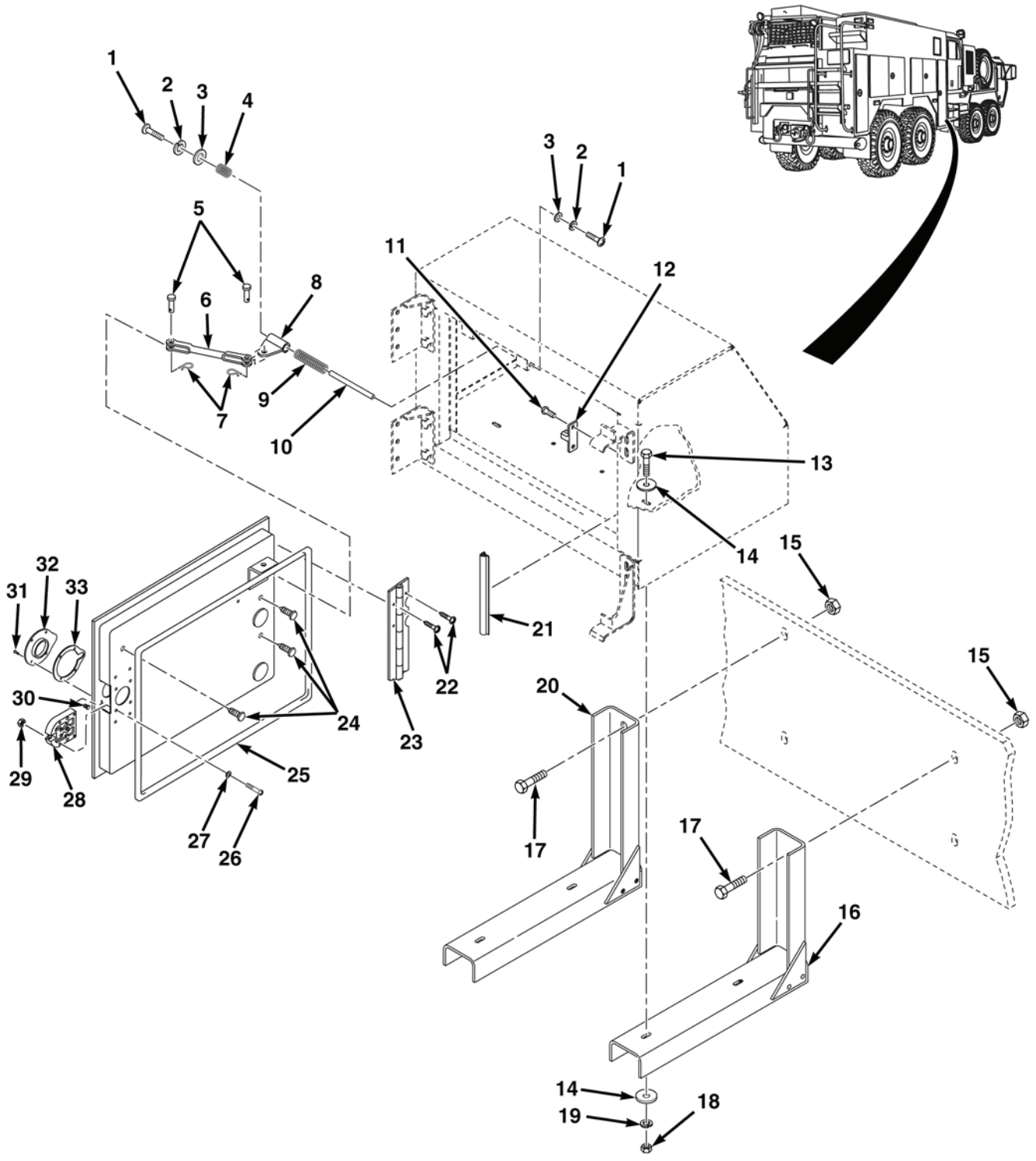


FIG. 154 DOOR ASSEMBLY, P5

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 154 DOOR ASSEMBLY, P5	
1	PAFZZ	5306-00-543-4405	80205	MS35307-334	BOLT,MACHINE 5/16-18 X 1	2
2	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	2
3	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	2
4	PAFZZ	5360-01-517-6911	39428	96570K15	SPRING,HELICAL,COMP	1
5	PAFZZ	5315-01-334-8656	96652	11-035	PIN,STRAIGHT,HEAD	2
6	PAFZZ		04664	80-4040	ARM,DOOR	1
7	PAFZZ	5315-01-517-5982	96652	22-02	PIN,LOCK	2
8	PAFZZ		04664	80-4037	SLIDE,DOOR	1
9	PAFZZ	5360-01-517-6928	03PF8	C 694-097-104	SPRING,HELICAL 6.50	1
10	PAFZZ		04664	80-4036	ROD,DOOR SLIDE 9.88" LONG	1
11	PAFZZ	5305-00-184-1421	96906	MS24628-53	SCREW,TAPPING 10-24 X 1 1/4	2
12	PAFZZ		04664	80-2261	STRIKER,NON-PERSONN	1
13	PAFZZ	5305-00-186-6084	80205	MS35206-350	SCREW,MACHINE 5/16-18 X 1 1/4	4
14	PAFZZ	5310-01-517-5988	0LBS5	F-XWFDS.31X1.50	WASHER,FLAT 5/16	8
15	PAFZZ	5310-01-492-5582	45152	3416533	NUT,SELF-LOCKING	4
16	PFFZZ		04664	1136128	BRACKET,MOUNTING,FR	1
17	PAFZZ	5306-01-159-6549	45152	111452A	BOLT,MACHINE 5/8-11 X 2 3/4	4
18	PAFZZ	5310-00-807-1469	56878	FN12A054	NUT,SELF-LOCKING EXTENDED WASHER,5/16-24	4
19	PAFZZ	5310-00-407-9566	80205	MS35338-45	WASHER,LOCK 5/16	4
20	PFFZZ		04664	1136141	BRACKET,MOUNTING,RR	1
21	MFFZZ		04664	943005-80	SEAL,DOOR,RUBBER MAKE FROM P/N 94-3005,CAGE 04664,APPROX 80 IN. LG.	1
22	PAFZZ	5305-00-855-0964	80205	MS24629-48	SCREW,TAPPING	17
23	PBFZZ		04664	1379480-0001	HINGE,DOOR	1
24	PAFZZ	5305-01-517-8957	09772	3605001	SCREW,PANEL FASTENE	4
25	MFFZZ		04664	1437880-80	SEAL,DOOR,D-SECTION MAKE FROM P/N 1021986-00,CAGE 56329,APPROX 80 IN. LG.	5
26	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X 3/4	8
27	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	4
28	PAFZZ	2510-01-517-3682	04664	80-2260	LOCK SET,VEHICULAR	1
29	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	4
30	PAFZZ	5325-01-517-2773	04664	82-0260-0002	INSERT,SCREW THREAD 10-24	4

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
31	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	4
32	PAFZZ	5340-01-517-8991	19220	279LZN	HANDLE,RECESS	1
33	PAFZZ	5330-01-517-8998	19220	G9	GASKET	1

END OF FIGURE

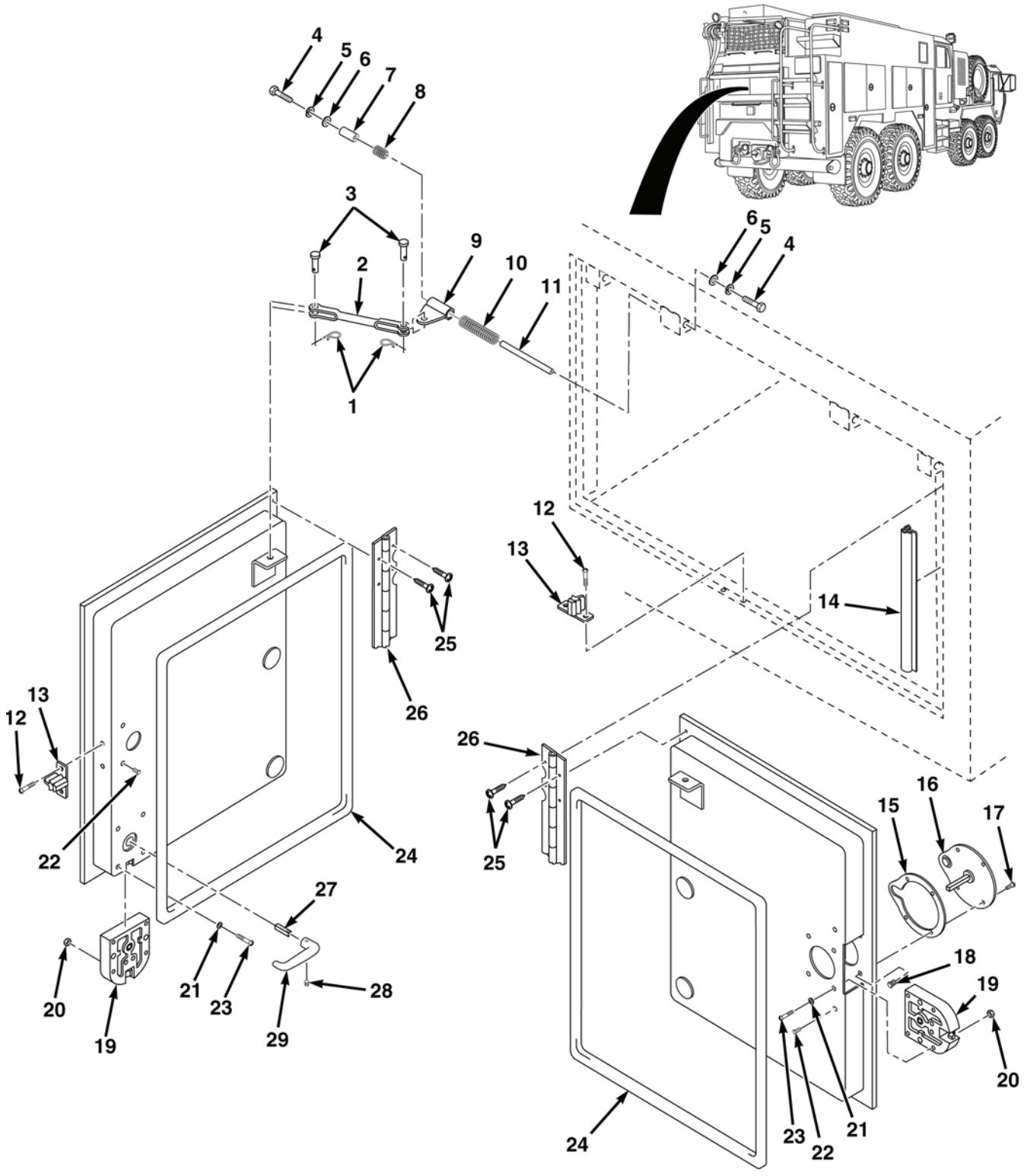


FIG. 155 DOOR ASSEMBLY, REAR

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 155 DOOR ASSEMBLY, REAR	
1	PAFZZ	5315-01-517-5982	96652	22-02	PIN,LOCK	4
2	PAFZZ		04664	80-4040	ARM,DOOR	2
3	PAFZZ	5315-01-082-6927	34623	MB243B-20003	PIN,STRAIGHT,HEADED 1/4	4
4	PAFZZ	5306-00-543-4405	80205	MS35307-334	BOLT,MACHINE 5/16-18 X 1	2
5	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	4
6	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	4
7	PAFZZ		04664	80-4210	SPACER,DOOR	2
8	PAFZZ	5360-01-517-6911	39428	96570K15	SPRING,HELICAL,COMP	1
9	PAFZZ		04664	80-4037	SLIDE,DOOR	2
10	PAFZZ	5360-01-517-6928	03PF8	C 694-097-104	SPRING,HELICAL 6.50	2
11	PAFZZ		04664	80-4036	ROD,DOOR SLIDE 9.88" LONG	2
12	PAFZZ	5305-00-184-1421	96906	MS24628-53	SCREW,TAPPING 10-24 X 1 1/4	4
13	PAFZZ	5305-00-655-6694	88044	AN500C8-14	SCREW,MACHINE .164-32 X .875	2
14	MFFZZ		04664	943005-180	SEAL,DOOR,RUBBER MAKE FROM P/N 94-3005,CAGE 04664,APPROX 180 IN. LG.	15
15	PAFZZ	5330-01-517-8998	19220	G9	GASKET	1
16	PAFZZ	5340-01-517-8991	19220	279LZN	HANDLE,RECESS	1
17	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	4
18	PAFZZ	5325-01-517-2773	04664	82-0260-0002	INSERT,SCREW THREAD 10-24	8
19	PAFZZ	2540-01-518-3313	0FNZ2	3-106ZN	LATCH,DOOR,VEHICULA	2
20	PAFZZ	5310-01-067-8396	81580	104066	NUT,LOCK 1/4-20	8
21	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	8
22	PAFZZ	5305-01-517-8957	09772	3605001	SCREW,PANEL FASTENE	4
23	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X 3/4	8
24	MFFZZ		04664	1437880-60	SEAL,DOOR,D-SECTION MAKE FROM P/N 2657,CAGE 56329,APPROX 60 IN. LG.	2
25	PAFZZ	5305-00-855-0964	80205	MS24629-48	SCREW,TAPPING	48
26	PBFZZ		04664	1379480-0004	HINGE,DOOR	2
27	PAFZZ	3040-01-517-3699	04664	15-0864	SHAFT,HANDLE	1
28	PAFZZ	5305-01-517-6004	39428	91375A576	SETSCREW SOCKET	1
29	PAFZZ	2540-01-517-5300	19220	53-5655X	HANDLE,DOOR,VEHICUL	1
					END OF FIGURE	

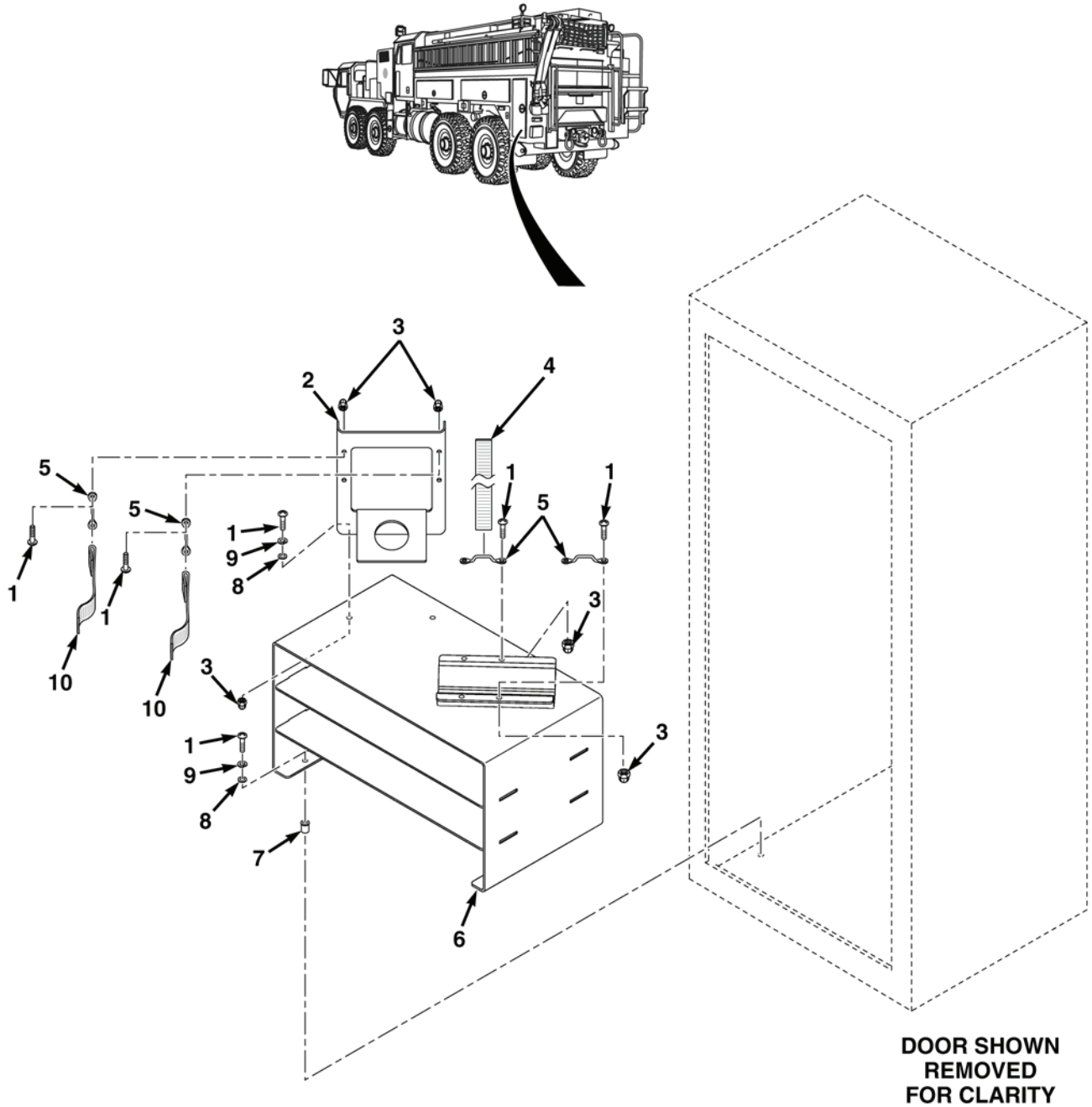


FIG. 156 D1 COMPARTMENT BRACKETS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 156 D1 COMPARTMENT BRACKETS	
1	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	16
2	PFFZZ		04664	1399205	HOLDER ASSEMBLY REGULATOR	1
3	PAFZZ	5310-00-474-3798	58536	MS24679-7	NUT,PLAIN,CAP 3/8-16	10
4	PAFZZ	5340-01-516-8787	04664	1219606-0012	STRAP,WEBBING	1
5	PAFZZ	5340-00-329-2428	19220	6411D	LOOP,STRAP FASTENER 1.25 WIDE . .	4
6	PFFZZ		04664	1392832	SHELF ASSEMBLY LH COMPARTMENT D1.	1
7	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	2
8	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	8
9	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	6
10	PAFZZ	5340-01-518-1999	04664	1219606-0013	STRAP,WEBBING	2
					END OF FIGURE	

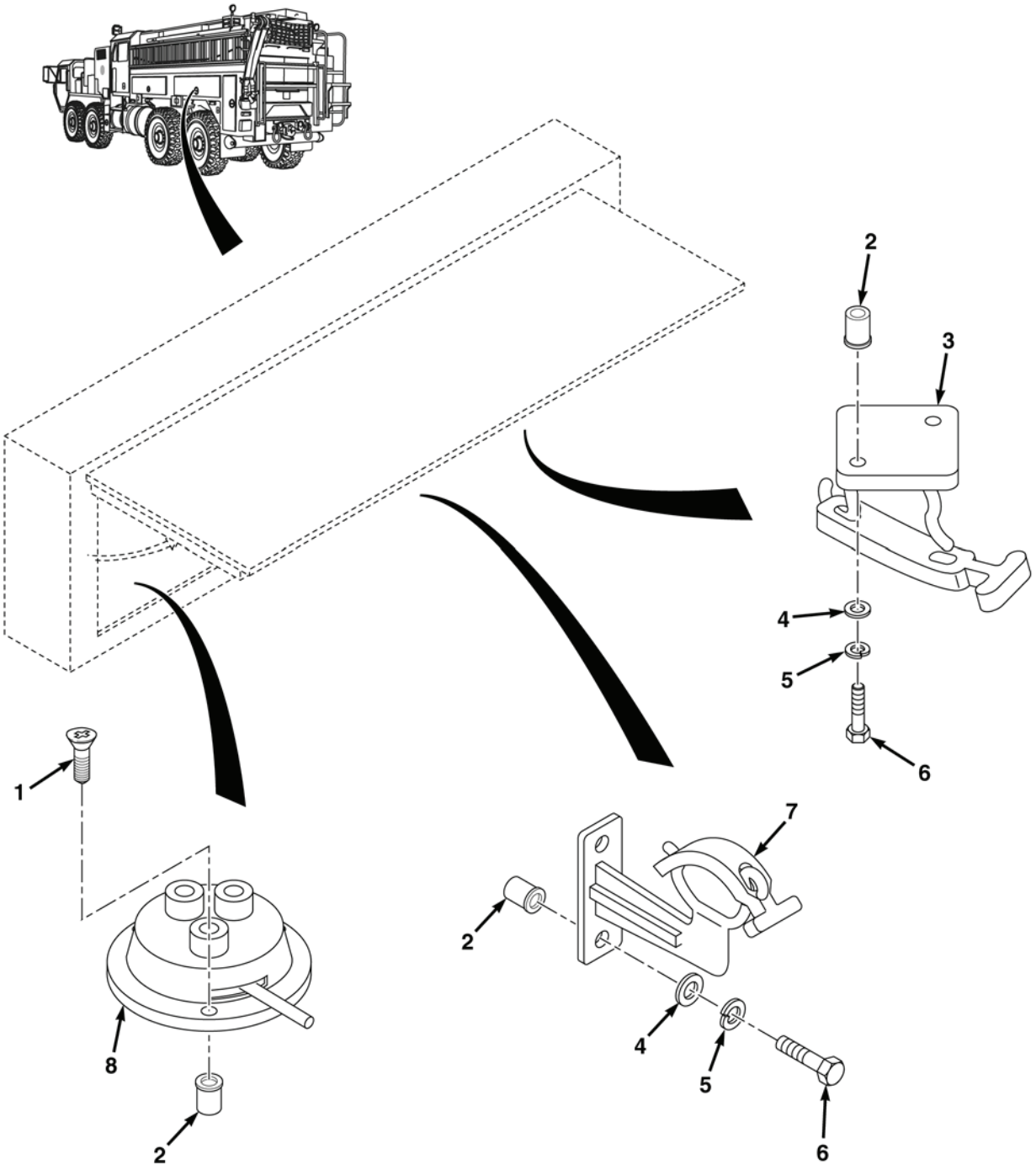


FIG. 157 D2 COMPARTMENT BRACKETS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 157 D2 COMPARTMENT BRACKETS	
1	PAFZZ	5305-00-052-5925	80205	MS35198-73	SCREW,MACHINE 1/4-20 X 1	3
2	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	18
3	PFFZZ	5340-01-518-2546	51010	LPVM-7	BRACKET,MOUNTING	2
4	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	12
5	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	12
6	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1	12
7	PFFZZ	4210-01-518-0423	51010	VM-5-V	BRACKET,FIRE FIGHTI VERTICAL	2
8	PFFZZ	5340-01-518-2540	5B337	G421	BRACKET,MOUNTING 1 1/2	1
					END OF FIGURE	

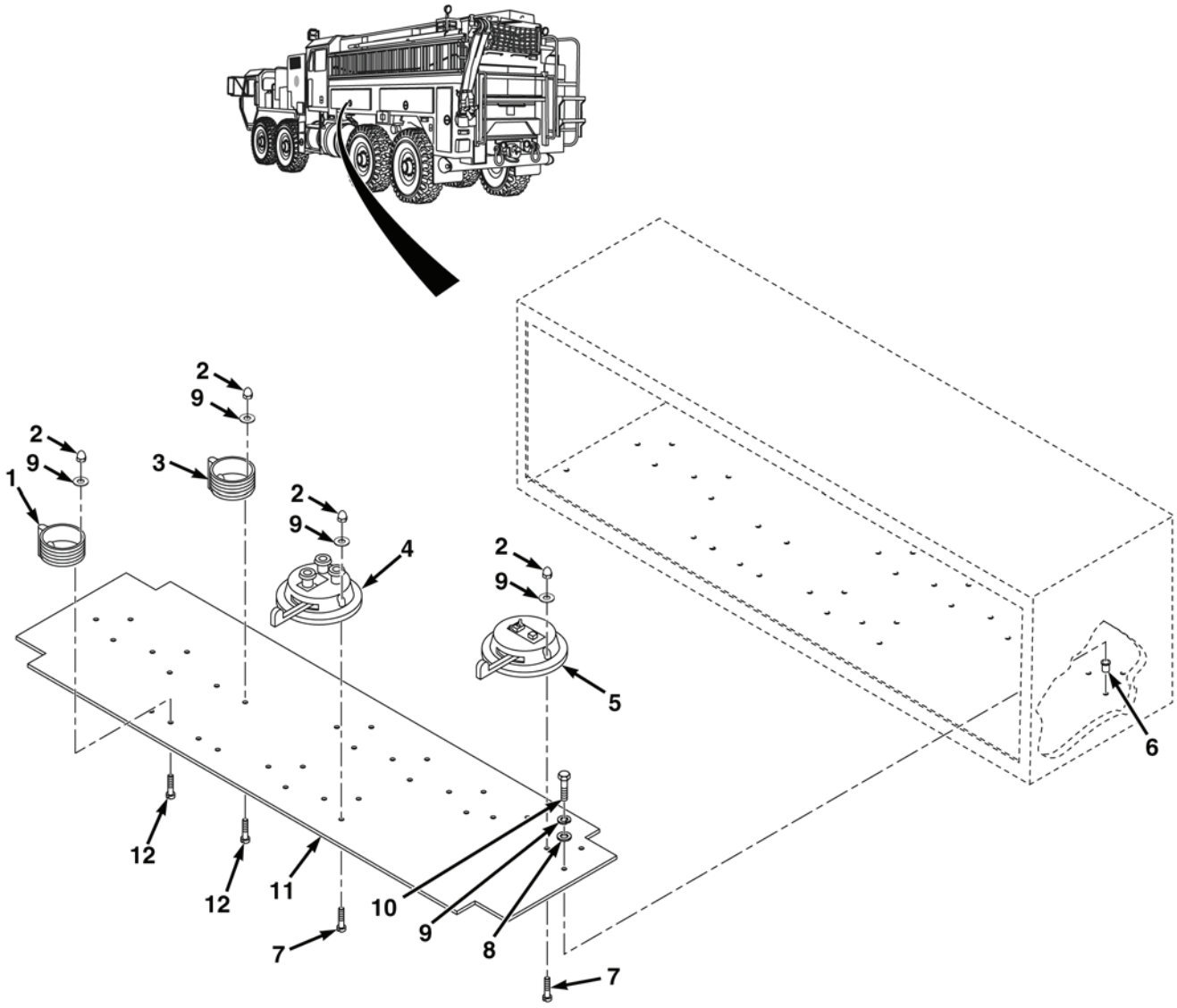


FIG. 158 D3 COMPARTMENT BRACKETS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 158 D3 COMPARTMENT BRACKETS	
1	PFFZZ	5340-01-518-2543	5B337	33A	BRACKET,MOUNTING 1 1/2	2
2	PAFZZ	5310-00-984-3805	58536	AA55629-5	NUT,PLAIN,CAP 1/4-20	27
3	PFFZZ	5340-01-518-2544	04664	1365245	BRACKET,MOUNTING	1
4	PFFZZ	5340-01-518-2540	5B337	G421	BRACKET,MOUNTING 1 1/2	2
5	PFFZZ	5340-01-517-9824	5B337	G321	BRACKET,MOUNTING 2 1/2	5
6	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	3
7	PAFZZ	5305-00-006-8283	96906	MS24628-66	SCREW,TAPPING	21
8	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	3
9	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	27
10	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1	3
11	PFFZZ		04664	1274630	PLATE,MOUNTING	1
12	PAFZZ	5305-00-562-2750	96906	MS24628-64	SCREW,TAPPING 1/4-20 X 3/4	6
					END OF FIGURE	

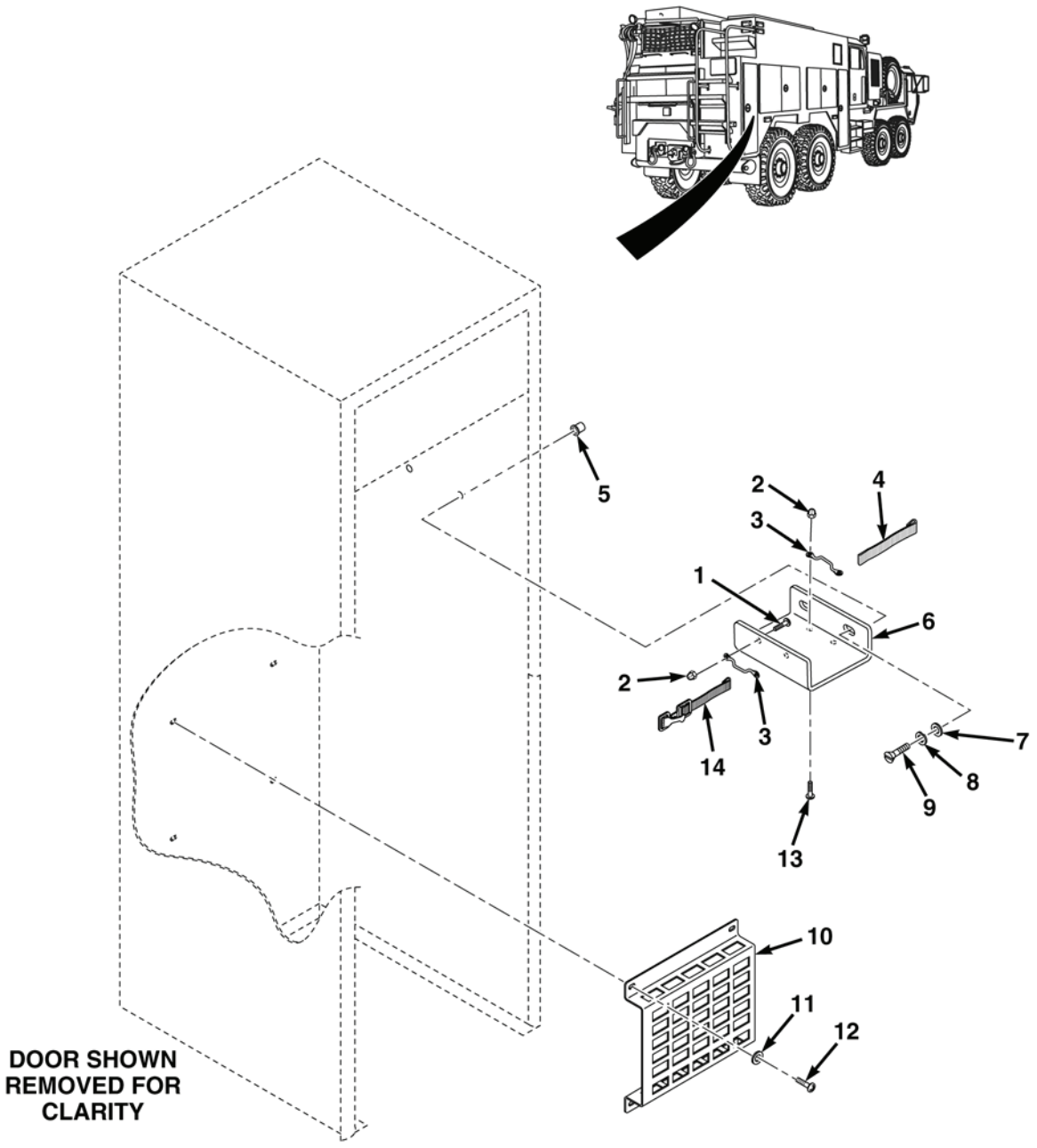


FIG. 159 P1 COMPARTMENT BRACKETS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 159 P1 COMPARTMENT BRACKETS	
1	PAFZZ	5305-00-050-9229	96906	MS51957-63	SCREW,MACHINE 1/4-20 X 1/2	2
2	PAFZZ	5310-00-474-3798	58536	MS24679-7	NUT,PLAIN,CAP 3/8-16	4
3	PAFZZ	5340-00-329-2428	19220	6411D	LOOP,STRAP FASTENER 1.25 WIDE . .	2
4	PAFZZ	5340-01-518-1025	04664	1213390-0024	STRAP,WEBBING BLACK NYLON	1
5	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	2
6	PFFZZ		04664	1314253	SHELF,GAS DETECTOR.	1
7	PAFZZ	5310-00-809-4061	96906	MS27183-15	WASHER,FLAT 7/16	2
8	PAFZZ	5310-00-019-0669	80205	MS35333-105	WASHER,LOCK NO. 6	2
9	PAFZZ	5305-00-719-5017	80205	MS51959-82	SCREW,MACHINE 1/4-20 X 3/4 FLTHEAD	2
10	PFFZZ		04664	1307244	GUARD,AIR VENT.	1
11	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	4
12	PAFZZ	5305-00-855-0957	45152	2477HX	SCREW,TAPPING	4
13	PAFZZ	5305-00-071-1315	96906	MS51957-79	SCREW,MACHINE 1/4-20 X 1/2	4
14	PAFZZ	5340-01-518-2804	04664	1116525	STRAP,WEBBING 1 IN. LG.	1
					END OF FIGURE	

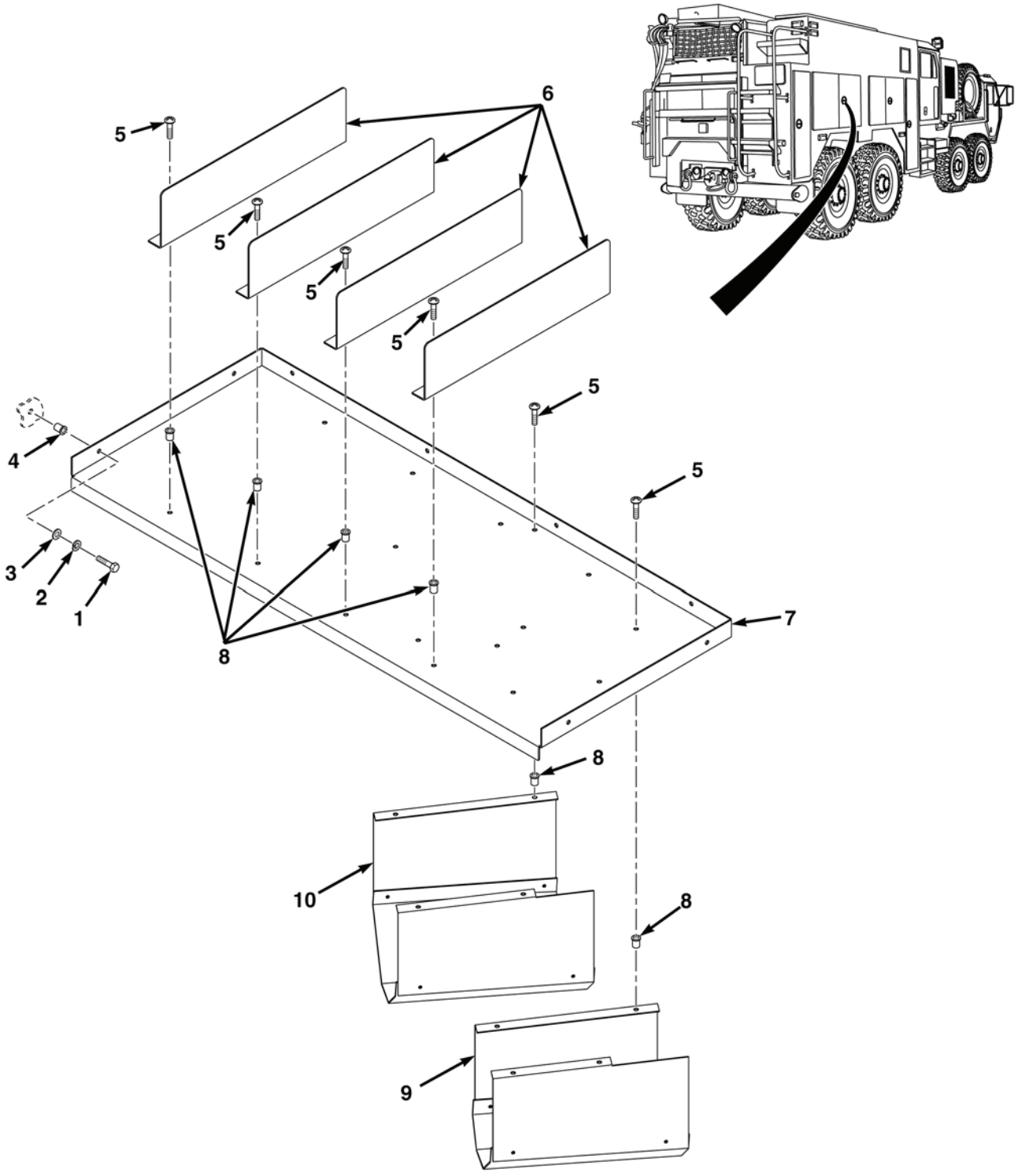


FIG. 160 P2 COMPARTMENT BRACKETS (SHEET 1 OF 2)

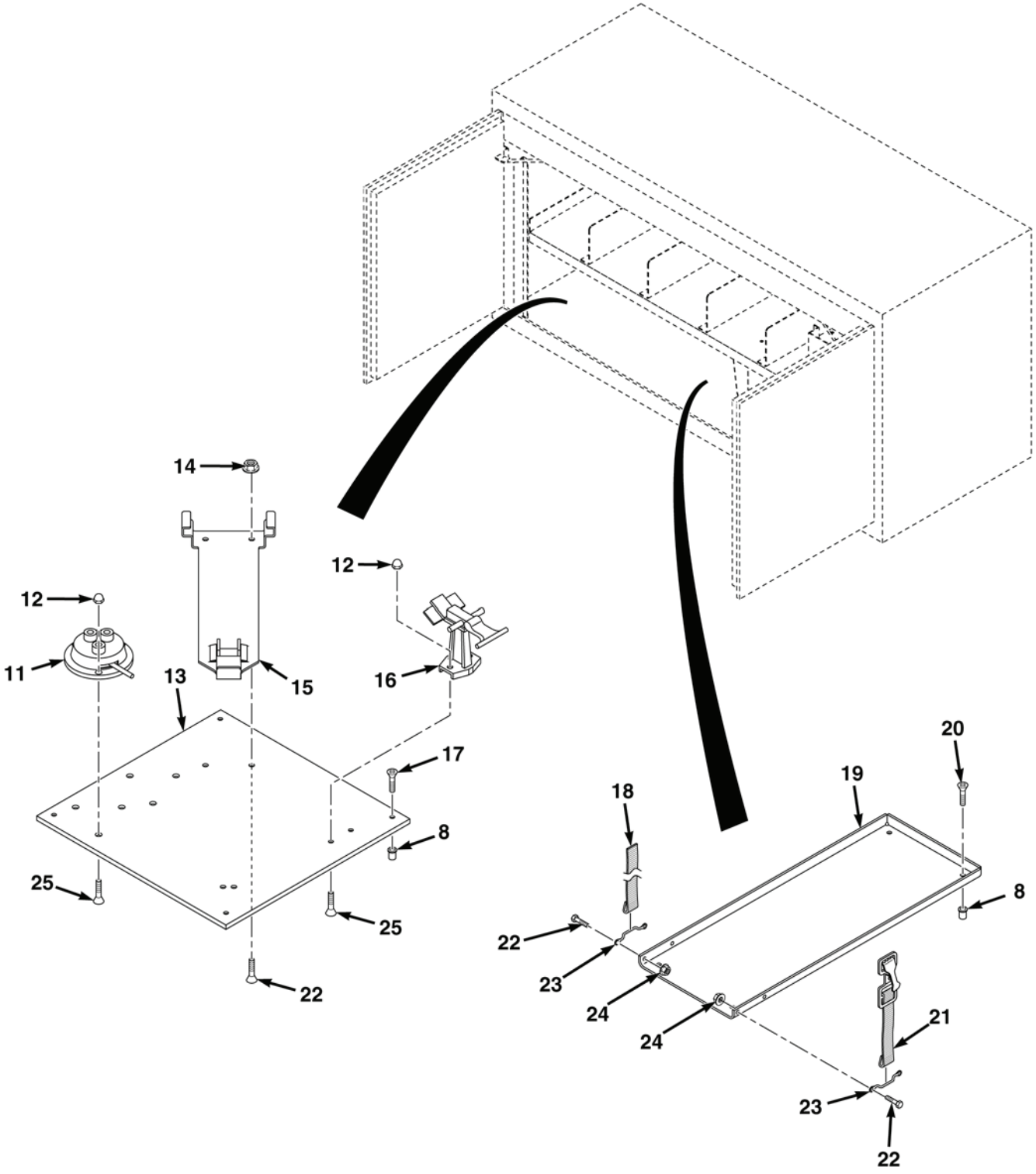


FIG. 160 P2 COMPARTMENT BRACKETS (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 160 P2 COMPARTMENT BRACKETS	
1	PAFZZ	5306-00-543-4405	80205	MS35307-334	BOLT,MACHINE 5/16-18 X 1	8
2	PAFZZ	5310-00-407-9566	80205	MS35338-45	WASHER,LOCK 5/16	8
3	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	8
4	PAFZZ	5325-01-395-2124	78276	ALS7-518-150	INSERT,SCREW THREAD 5/16	8
5	PAFZZ	5305-00-988-1727	80205	MS35206-283	SCREW,MACHINE 1/4-20 X 1	12
6	PAFZZ		04664	1366099	SHELF PARTITION	4
7	PAFZZ		04664	1366112	SHELF,COMPT P2	1
8	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	32
9	PFFZZ		04664	1365591	BRACKET ASSEMBLY FIRE EXTINGUISHER	1
10	PFFZZ		04664	1365588	BRACKET ASSEMBLY FIRE EXTINGUISHER	1
11	PFFZZ	5340-01-517-9824	5B337	G321	BRACKET,MOUNTING 2 1/2	2
12	PAFZZ	5310-01-283-4637	96906	A-A-55629	NUT,PLAIN,CAP 10-24	6
13	PAFZZ		04664	1400833	PLATE	1
14	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24	2
15	PFFZZ	5340-01-521-9251	5M752	XX-B	BRACKET,MOUNTING	1
16	PFFZZ	5340-01-518-2538	04664	1365720	BRACKET,MOUNTING	1
17	PAFZZ	5305-00-816-6825	96906	MS35243-88	SCREW,MACHINE .25-20 X 3/4,FLAT HD	4
18	PAFZZ	5340-01-518-1025	04664	1213390-0024	STRAP,WEBBING BLACK NYLON	1
19	PAFZZ		04664	1365727	TRAY,TOOLBOX	1
20	PAFZZ	5305-00-958-5247	60905	02011-7G416	SCREW,MACHINE .25-20 X 1 IN,FLAT HD	4
21	PAFZZ	5340-01-518-2804	04664	1116525	STRAP,WEBBING 1 IN. LG	1
22	PAFZZ	5305-01-517-3710	92858	9958.0001	SCREW,MACHINE 10-24 X .50	6
23	PAFZZ	5340-00-329-2428	19220	6411D	LOOP,STRAP FASTENER 1.25 WIDE	2
24	PAFZZ		3A054	90675A011	NUT,KEPS,LOCK 10-24 UNC	4
25	PAFZZ	5305-00-701-5078	80205	MS51959-65	SCREW,MACHINE 10-24 X .75 FLAT HD	12
					END OF FIGURE	

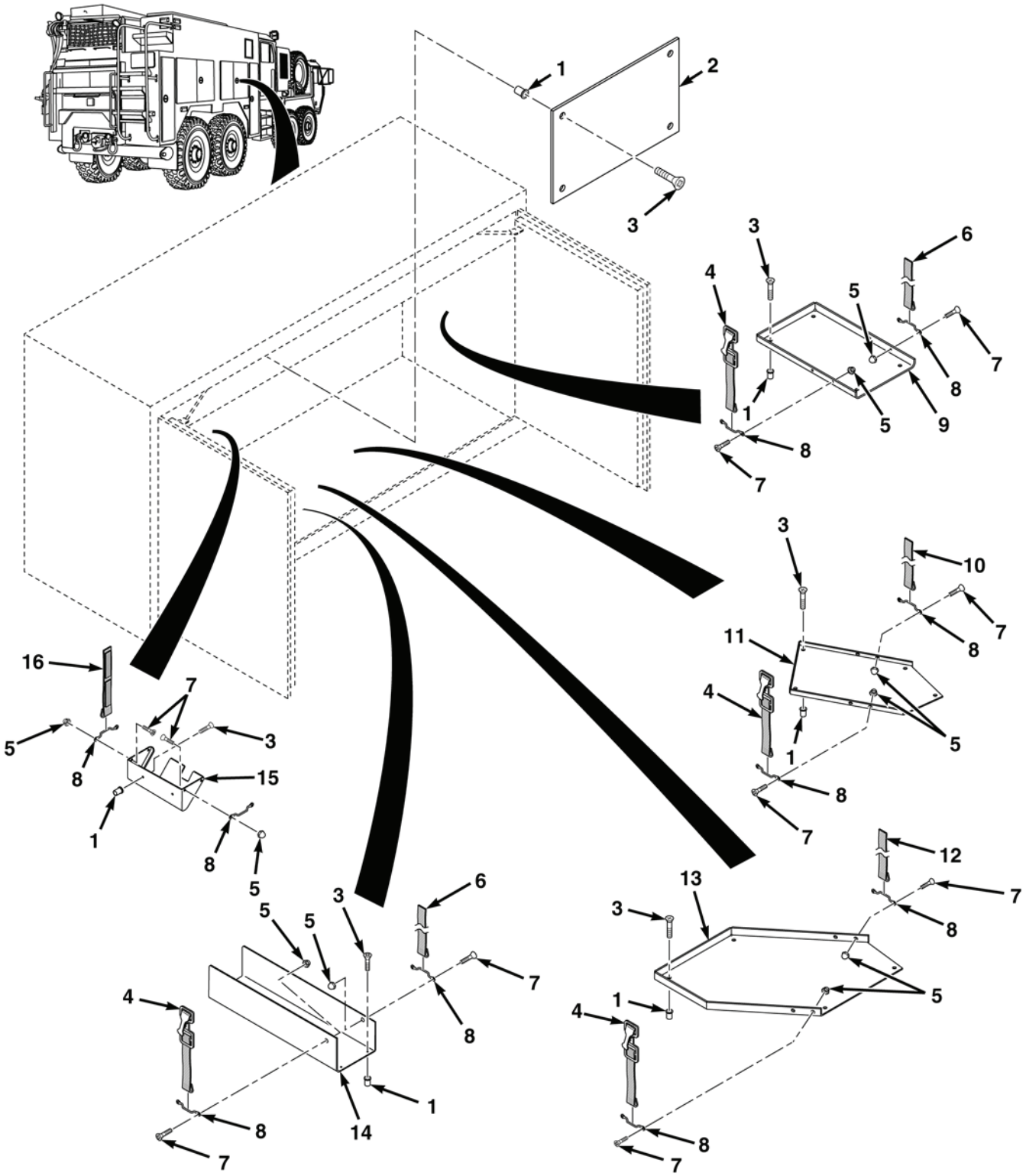


FIG. 161 P3 COMPARTMENT BRACKETS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 161 P3 COMPARTMENT BRACKETS	
1	PAFZZ	5325-01-395-1247	78276	ALS4-420-260	INSERT,SCREW THREAD .25-20	24
2	PAFZZ		04664	1400590	LINER,BACK WALL	1
3	PAFZZ	5305-00-958-5247	80205	MS35190-291	SCREW,MACHINE 1/4 X 1	24
4	PAFZZ	5340-01-518-2804	04664	1116525	STRAP,WEBBING 1 IN. LG.	4
5	PAFZZ	5310-01-283-4637	96906	A-A-55629	NUT,PLAIN,CAP 10-24	20
6	PAFZZ	5340-01-517-6053	04664	1213390-0040	STRAP,WEBBING BLACK NYLON	2
7	PAFZZ	5305-00-701-5074	80205	MS51959-63	SCREW,MACHINE 10-24 X 1/2 FLTHEAD	20
8	PAFZZ	5340-00-329-2428	19220	6411D	LOOP,STRAP FASTENER 1.25 WIDE . .	10
9	PAFZZ		04664	1392325	TRAY,CHAINSAW BOX	1
10	PAFZZ	5340-01-517-6049	04664	1213390-0028	STRAP,WEBBING BLACK NYLON	1
11	PAFZZ		04664	1365858	TRAY,CIRCULAR SAW	1
12	PAFZZ	5340-01-518-1025	04664	1213390-0024	STRAP,WEBBING BLACK NYLON	1
13	PAFZZ		04664	1365859	TRAY,CHAIN SAW,ALU	1
14	PFFZZ		04664	1392317	BRACKET,MOUNTING SAWSALL	1
15	PAFZZ		04664	1347676	HOLDER,BATTERY CHAR	1
16	PAFZZ	8315-01-519-2400	04664	1219606-0022	STRAP,HOOK AND PILE.	2
					END OF FIGURE	

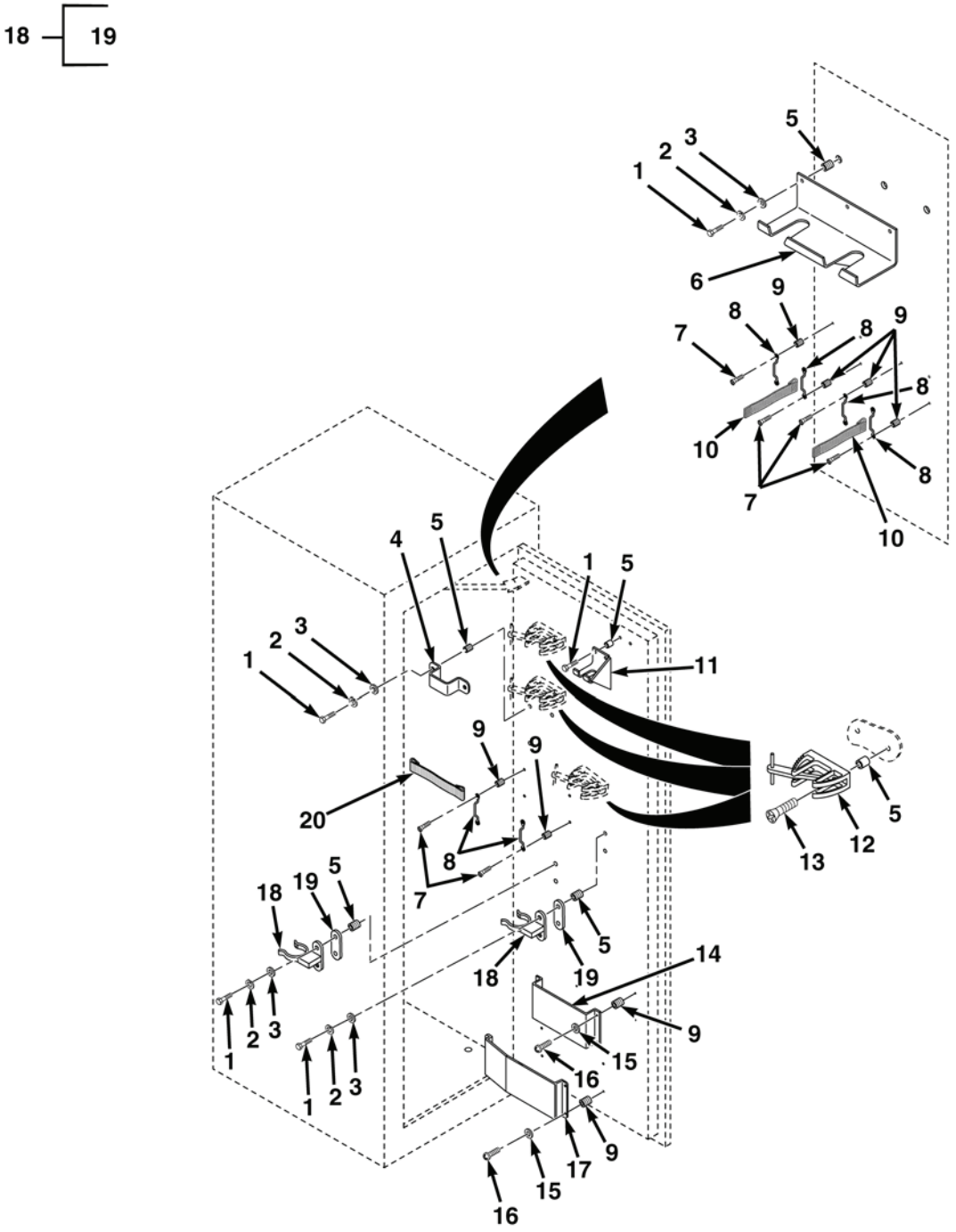


FIG. 162 P4 COMPARTMENT BRACKETS (SHEET 1 OF 2)

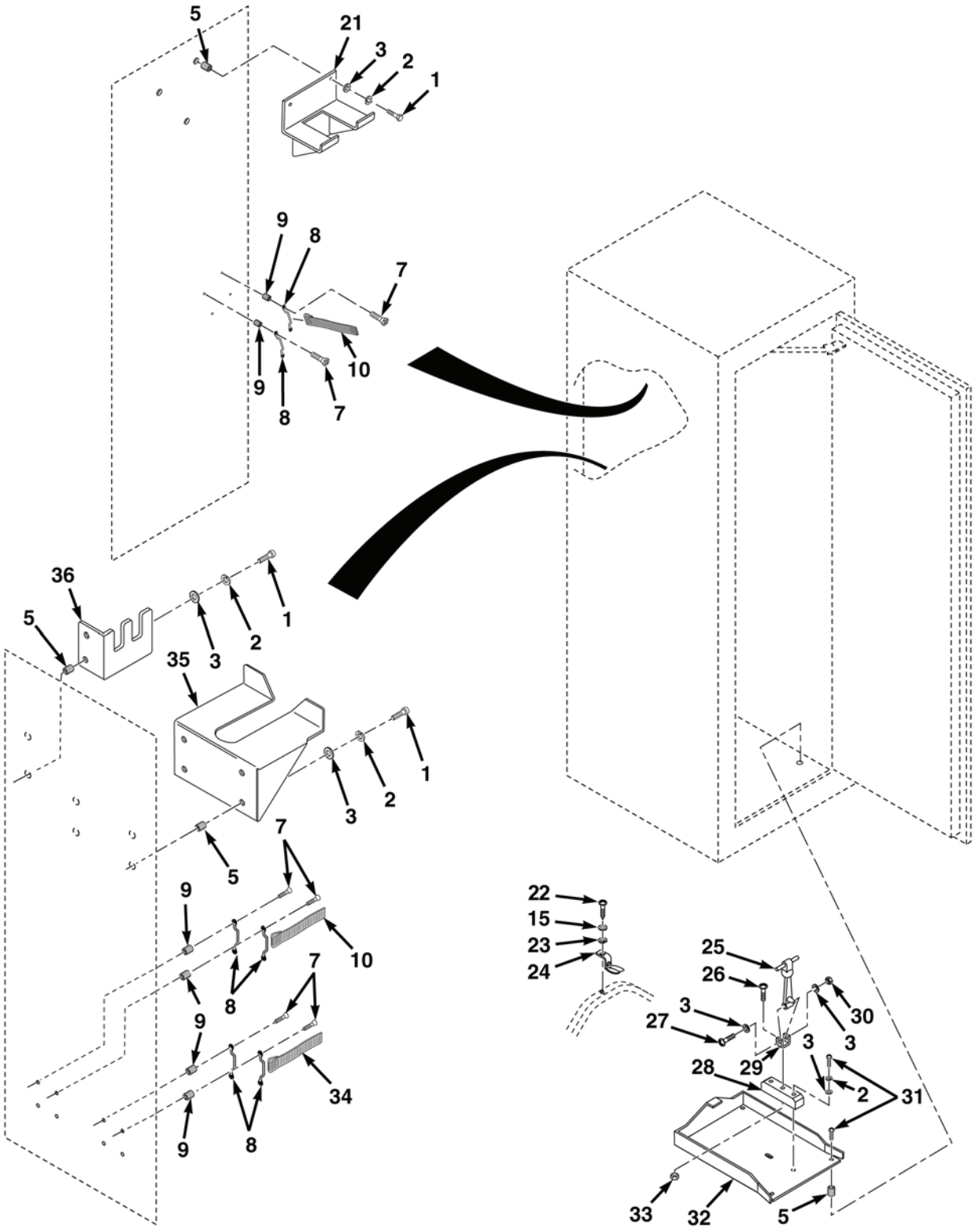


FIG. 162 P4 COMPARTMENT BRACKETS (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 162 P4 COMPARTMENT BRACKETS	
1	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON .25-20 x 1.00	21
2	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	23
3	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	25
4	PFFZZ		04664	1347677	BRACKET,MOUNTING PRY TOOL	1
5	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	27
6	PFFZZ		04664	1215813	BRACKET,MOUNTING SHOVEL	1
7	PAFZZ	5305-00-701-5078	80205	MS51959-65	SCREW,MACHINE 10-24 X .75 FLAT HEAD	24
8	PAFZZ	5340-00-329-2428	19220	6411D	LOOP,STRAP FASTENER 1.25 WIDE	12
9	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	32
10	PAFZZ	5340-01-516-8787	04664	1219606-0012	STRAP,WEBBING	4
11	PAFZZ		04664	1215874	HANGER,HALIGAN TOOL	1
12	PFFZZ	5340-01-506-0139	5U658	1004-2	BRACKET HANDLE LOK PIKEPOLE	3
13	PAFZZ	5305-00-958-5247	80205	MS35190-291	SCREW,MACHINE .25-20 X 1.00 FLAT HEAD	6
14	PFFZZ		04664	1335193	BRACKET,MOUNTING 8 LB. AXE	1
15	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	9
16	PAFZZ	5305-00-050-9231	96906	MS51957-65	SCREW,MACHINE 10-24 X .75	8
17	PFFZZ		04664	1338992	BRACKET,MOUNTING PICK AXE	1
18	PFFZZ		04664	72-0011	BRACKET,SIDE PIKEPOLE	2
19	XAFZZ		04664	845	.GASKET	2
20	PAFZZ	5340-01-518-5375	04664	1219606-0006	STRAP,WEBBING	1
21	PFFZZ		04664	1216144	BRACKET,MOUNTING MATTOCK PICK	1
22	PAFZZ	5305-00-057-9621	96906	MS21207-10-24	SCREW,TAPPING 10-24	1
23	PAFZZ	5310-00-502-0106	96906	MS51859-6	WASHER,FLAT 9/32	1
24	PFFZZ	2590-01-517-2878	04664	1331040	BRACKET,VEHICULAR C	1
25	PAFZZ	2540-01-152-7764	64386	67D794	LATCH,HOOD	1
26	PAFZZ	5305-00-984-5674	96906	MS35206-294	SCREW,MACHINE 5/16-18 X 1/2	1
27	PAFZZ	5305-00-071-2086	96906	MS51957-86	SCREW,MACHINE 1/4-20 X 1 3/4	1
28	PFFZZ		04664	1219584	BRACKET,MOUNTING	1
29	PFFZZ		04664	1341215	BRACKET,PIVOT,DRAW	1
30	PAFZZ	5310-01-517-4207	81118	C844-1420	NUT,SHEET SPRING	1
31	PAFZZ	5305-00-988-1727	80205	MS35206-283	SCREW,MACHINE .25-20 1.00 PAN HEAD	6

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
32	PAFZZ		04664	1399197	PAN,FAN MOUNTING	1
33	PAFZZ	5310-00-245-3615	80205	MS35649-2314	NUT,PLAIN,HEXAGON 5/16-18	1
34	PAFZZ	5340-01-519-3844	81860	1219606-0014	LOOP,STRAP FASTENER	1
35	PAFZZ		04664	1398942	HANGER,HOOK FORESTRY	1
36	PFFZZ		04664	1215788	BRACKET,BRUSH HOOK	1

END OF FIGURE

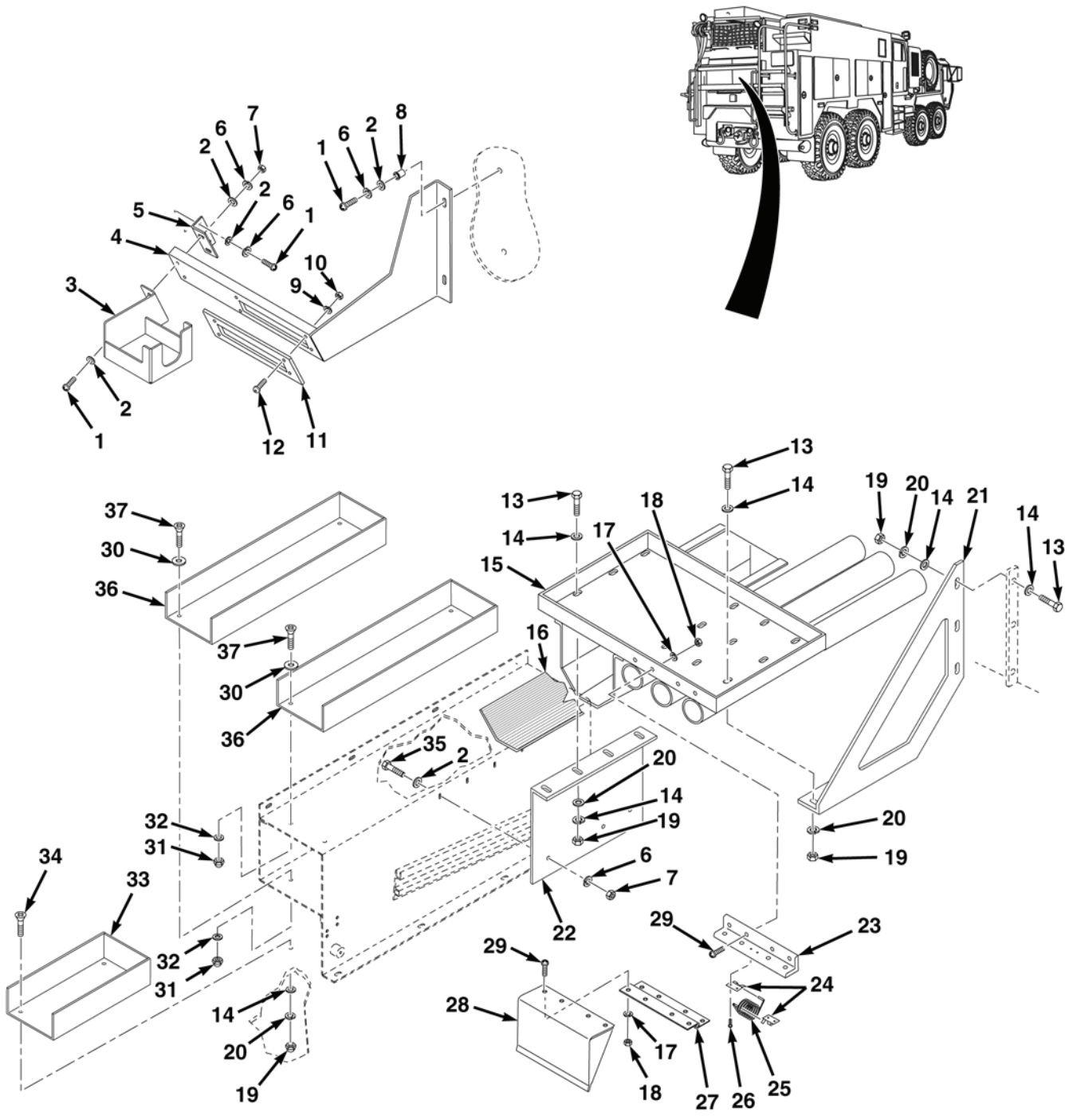


FIG. 163 REAR PLATFORM COMPARTMENT BRACKETS (SHEET 1 OF 2)

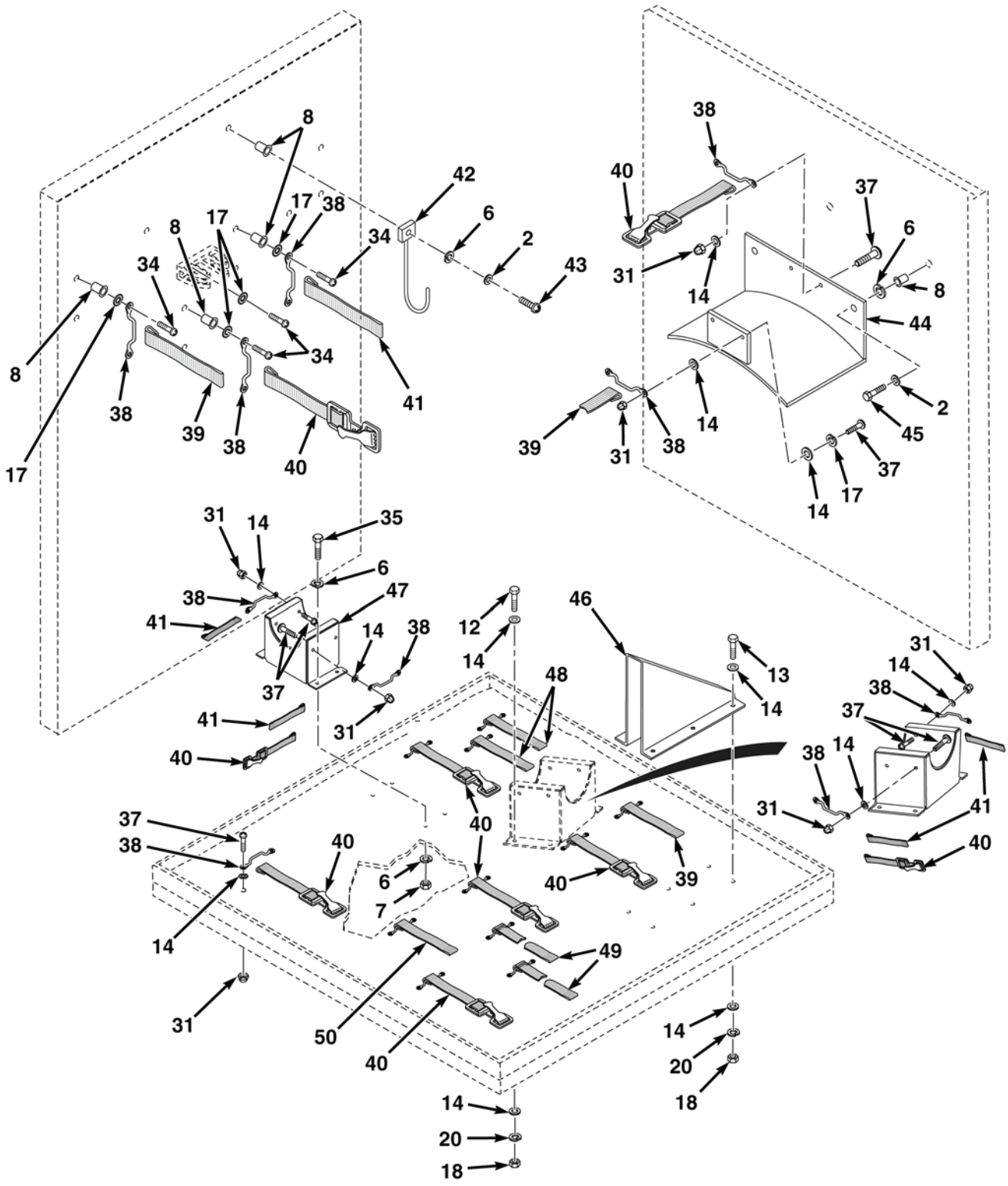


FIG. 163 REAR PLATFORM COMPARTMENT BRACKETS (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7635 SPECIAL PURPOSE BODY	
					FIG. 163 REAR PLATFORM COMPARTMENT BRACKETS	
1	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1	6
2	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	19
3	PFFZZ		04664	1334420	HOLDER,JUNCTION BOX	1
4	PFFZZ		04664	1250194	BRACKET,MOUNTING REEL GUIDE	1
5	PFFZZ		04664	1250234	ANGLE,MOUNTING ROLLER GUIDE	1
6	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	25
7	PAFZZ	5310-01-156-7706	96906	MS16286-1	NUT,PLAIN,HEXAGON 1/4-20	12
8	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	13
9	PAFZZ	5310-00-060-9242	80205	NAS42DD6-5	WASHER,FLAT 3/16	4
10	PAFZZ	5310-00-807-1466	80205	MS21042-08	NUT,SELF-LOCKING HEX,.164-32	4
11	PAFZZ	4910-01-518-1985	04664	72-0409	GUIDE,HOSE REEL	1
12	PAFZZ	5305-01-194-2998	80205	MS24671-23	SCREW,CAP,SOCKET HEAD,3/16-24 X 1	4
13	PAFZZ	5305-00-068-0510	80204	B1821BH038C100N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1	15
14	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	54
15	PFFZZ		04664	1212112	SHELF,COMPARTMENT R UPPER	1
16	PAFZZ		04664	25-3540-0004	MATTING,FLOOR EXTINGUISHER SHELF	1
17	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	13
18	PAFZZ	5310-00-934-9758	80205	MS35649-202	NUT,PLAIN,HEXAGON 1/4-20	14
19	PAFZZ	5310-01-156-7704	96906	MS16286-3	NUT,PLAIN,HEXAGON 3/8-16	13
20	PAFZZ	5310-00-261-7340	81996	A2303-12-51PC6	WASHER,LOCK	19
21	PFFZZ		04664	1211887	SUPPORT,SHELF COMPARTMENT	1
22	PFFZZ		04664	1250003	SUPPORT,SHELF	1
23	PAFZZ		04664	1227731	ANGLE,COVER SLEDGE HAMMER/ CROWBAR	1
24	PFFZZ		04664	81-0039	BRACKET,SPRING	2
25	PAFZZ	5360-01-517-3771	94222	23-1-11-12	SPRING,HELICAL,COMP	1
26	PAFZZ	5305-00-889-3000	80205	MS35206-230	SCREW,MACHINE 6-32 X 1/2	2
27	PBFZZ		04664	1227733	HINGE,COVER SLEDGE HAMMER/ CROWBAR	1
28	PFFZZ		04664	1227625	COVER,SLEDGE HAMMER	1
29	PAFZZ	5305-00-680-4262	80205	MS35308-360	SCREW,CAP,HEXAGON HEAD, 3/8-24 X 1	8

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
30	PAFZZ	5310-01-393-3735	39428	90313A104	WASHER,FLAT 10-24	8
31	PAFZZ	5310-01-283-4637	96906	A-A-55629	NUT,PLAIN,CAP 10-24	26
32	PAFZZ	5310-01-073-7031	96906	MS51859-8	WASHER,FLAT 3/8	8
33	PFFZZ		04664	1220780	TROUGH,RAM,SMALL	1
34	PAFZZ	5305-00-052-6911	80205	MS24629-15	SCREW,TAPPING 10-24 X 3/4	16
35	PAFZZ	5305-00-068-0502	80205	MS90725-6	SCREW,CAP,HEXAGON 1/4-20 X 3/4	8
36	PFFZZ		04664	1220829	TROUGH,RAM,LARGE	2
37	PAFZZ	5305-00-701-5074	80205	MS51959-63	SCREW,MACHINE 10-24 X 1/2 FLTHEAD	26
38	PAFZZ	5340-00-329-2428	19220	6411D	LOOP,STRAP FASTENER 1.25 WIDE	20
39	PAFZZ	5340-01-517-9765	04664	1213390-0012	STRAP,WEBBING BLACK NYLON	2
40	PAFZZ	5340-01-518-2804	04664	1116525	STRAP,WEBBING 1 IN. LG.	8
41	PAFZZ	5340-01-518-1025	04664	1213390-0024	STRAP,WEBBING BLACK NYLON	4
42	PAFZZ	3940-01-517-4249	04664	1212351	HOOK BLOCK ASSEMBLY	1
43	PAFZZ	5305-00-071-2509	80204	B1821BH025C150N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1 1/2	1
44	PFFZZ		04664	1220877	BRACKET,HOSE STORAG	2
45	PAFZZ	5305-00-068-0509	80204	B1821BH025C125N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1 1/4	2
46	PFFZZ		04664	1209922	BRACKET,CUTTER HOLDING BASE	1
47	PFFZZ		04664	1210234	BRACKET,MOUNTING TNT CUTTER/ COMBO	2
48	PAFZZ	5340-01-518-1987	04664	1213390-0018	STRAP,WEBBING BLACK NYLON	2
49	PAFZZ		04664	1213390-0036	LOOP,STRAP,FASTNER BLACK NYLON	2
50	PAFZZ	5340-01-518-1999	04664	1219606-0013	STRAP,WEBBING	1

END OF FIGURE

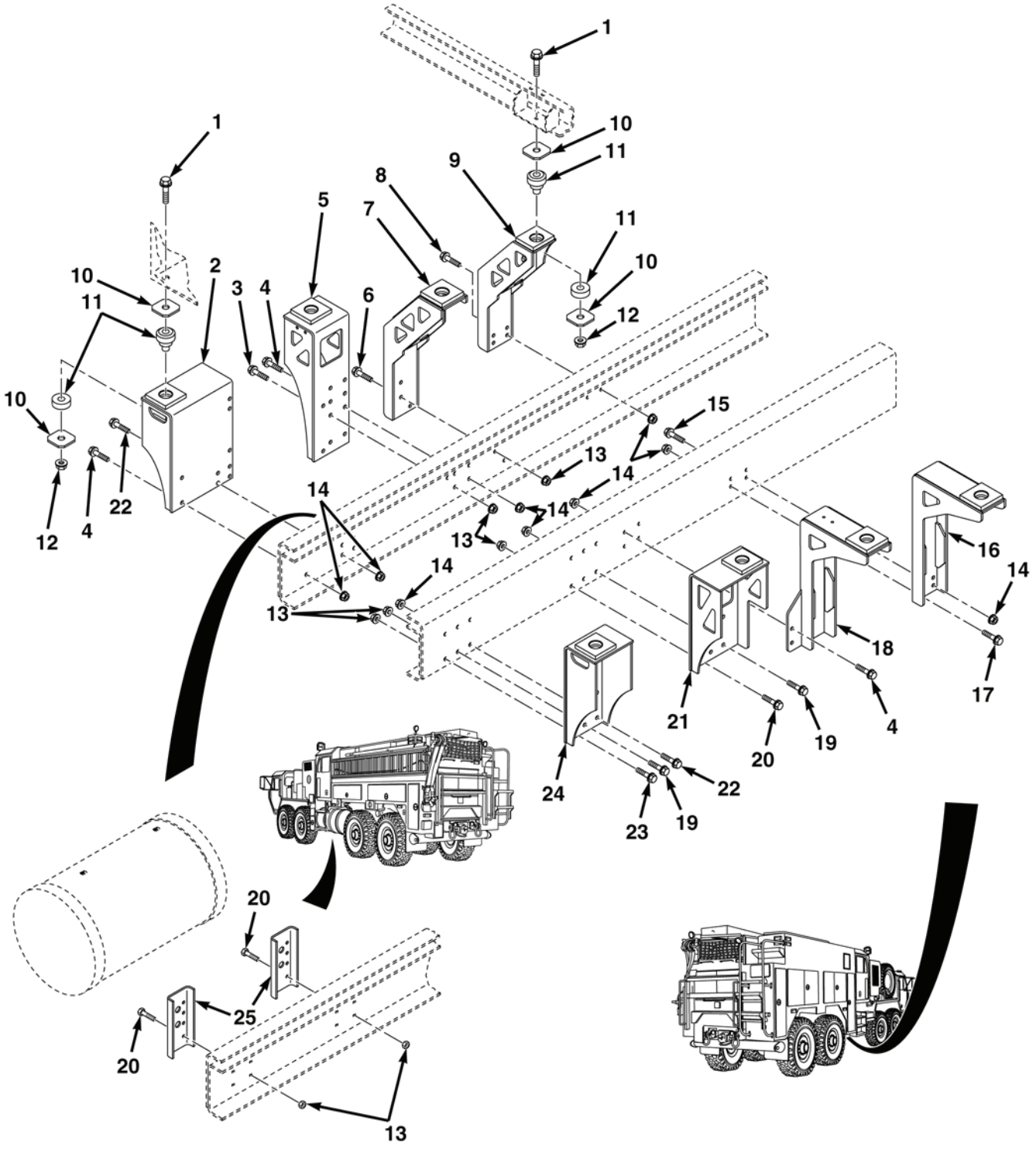


FIG. 164 CREW CAB AND PUMP HOUSE MOUNTING INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7636 MOUNTING BRACKET, FUEL TANK, AND AIR RESERVOIR	
					FIG. 164 CREW CAB AND PUMP HOUSE MOUNTING INSTALLATION	
1	PAFZZ	5305-01-517-3970	04664	82-0228-0500	SCREW,CAP,HEXAGON H 7/8-9 X 5 . . .	4
2	PFFZZ		04664	1315922	BRACKET,MOUNTING,RR CREW CAB,LH	1
3	PAFZZ	5305-01-150-7736	45152	115293A	SCREW,CAP,HEXAGON H	4
4	PAFZZ	5305-01-147-9723	45152	111317A	SCREW,CAP,HEXAGON HEAD, 5/8-11 X 2 1/4.	9
5	PFFZZ		04664	1315920	BRACKET,MOUNTING,FR CREW CAB,RH	1
6	PAFZZ	5305-01-167-9408	45152	128131A	SCREW,CAP,HEXAGON HEAD, .50-13 X 2.00	4
7	PFFZZ		04664	1320418	SUPPORT,PUMPHOUSE LEFT	1
8	PAFZZ	5305-00-724-7248	80204	B1821BH063C375N	SCREW,CAP,HEXAGON HEAD, 5/8-12 X 3 3/4.	4
9	PFFZZ		04664	1320298	SUPPORT,PUMPHOUSE LEFT	1
10	PAFZZ	5310-01-517-9889	04664	42-7037	WASHER,FLAT 15/16	16
11	PAFZZ	5342-01-194-0894	81860	22004-14	MOUNT,RESILIENT WEAPON SYSTEM	4
12	PAFZZ	5310-01-462-6244	81349	M45913/2-14CG5C	NUT,SELF-LOCKING 7/8-9	4
13	PAFZZ	5310-01-159-8178	45152	110310A	NUT,SELF-LOCKING 1/2-13	29
14	PAFZZ	5310-00-764-6609	96906	MS51971-7	NUT,PLAIN,HEXAGON 5/8-11.	30
15	PAFZZ	5305-00-724-7236	05047	B1821BH063C325N	SCREW,CAP,HEXAGON HEAD, 5/8-12 X 3 1/4.	2
16	PFFZZ		04664	1320461	SUPPORT,PUMPHOUSE RIGHT	1
17	PAFZZ	5305-01-151-1031	45152	111318A	SCREW,CAP,HEXAGON JEAD.5/8-11 X 3	2
18	PAFZZ		04664	1320640	SUPPORT,PUMPHOUSE	1
19	PAFZZ	5306-01-150-7726	45152	120622A	BOLT,MACHINE.	3
20	PAFZZ	5305-01-305-6078	45152	1536340	SCREW,CAP,HEXAGON	19
21	PFFZZ		04664	1315921	BRACKET,MOUNTING,FR CREW CAB,LH	1
22	PAFZZ	5306-01-159-6549	45152	111452A	BOLT,MACHINE 5/8-11 X 2 3/4	8
23	PAFZZ	5305-01-156-5442	45152	111314A	SCREW,CAP,HEXAGON H 1/2-13 X 1 3/4	2
24	PFFZZ		04664	1315923	BRACKET,MOUNTING,RR CREW CAB,RH	1
25	PFFZZ		04664	1180891	BRACKET FUEL TANK LOWERING	2
					END OF FIGURE	

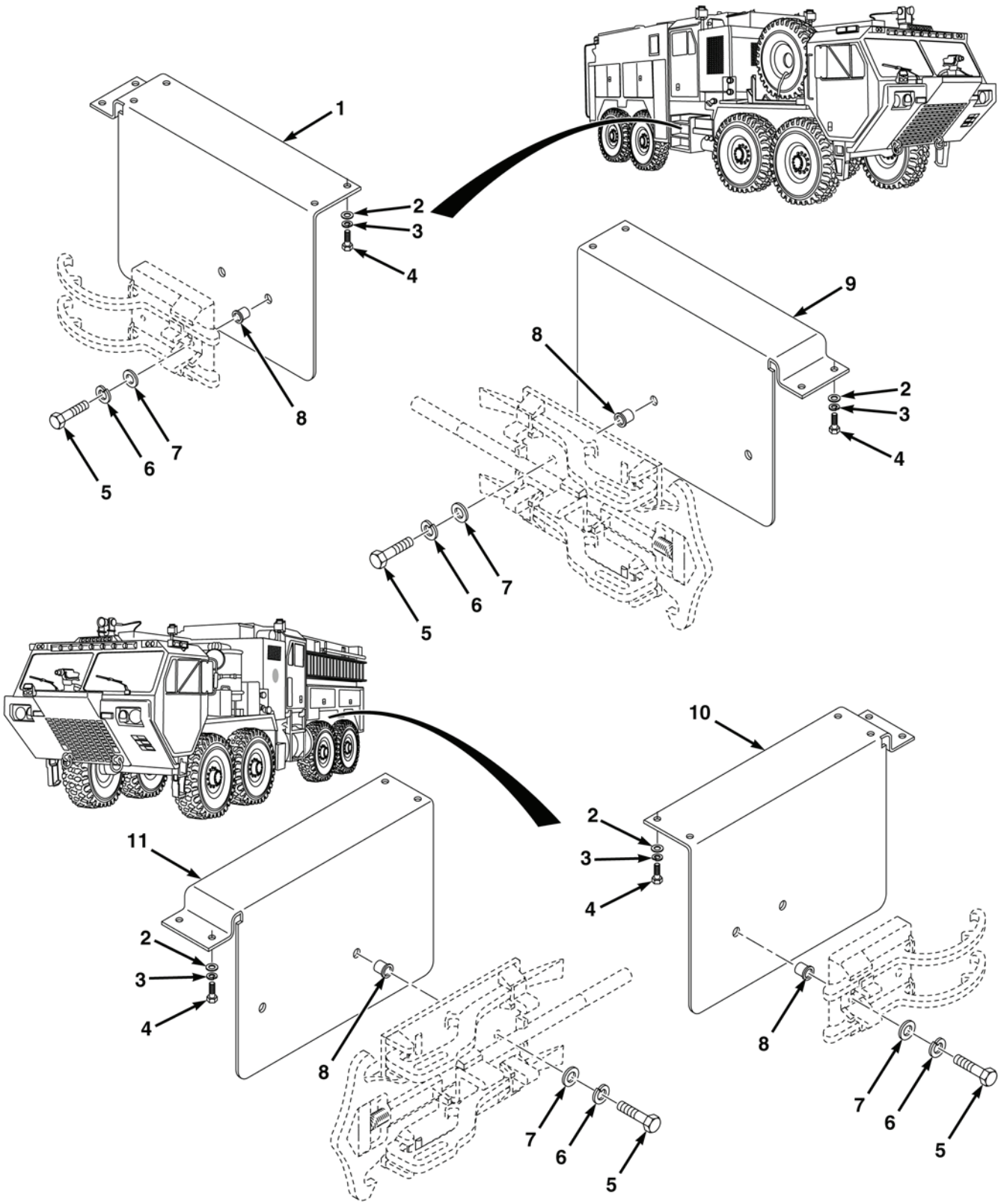


FIG. 165 HYDRANT TOOLS MOUNTING BRACKETS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7636 MOUNTING BRACKET, FUEL TANK, AND AIR RESERVOIR	
					FIG. 165 HYDRANT TOOLS MOUNTING BRACKETS	
1	PFFZZ		04664	1356392	BRACKET,MOUNTING SPANNER WRENCH	1
2	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	16
3	PAFZZ	5310-00-407-9566	80205	MS35338-45	WASHER,LOCK 5/16.	16
4	PAFZZ	5305-00-941-3618	80205	MS51095-303	SCREW,CAP,HEXAGON 1/4-20 X 1/2. . .	16
5	PAFZZ	5305-00-071-2086	96906	MS51957-86	SCREW,MACHINE 1/4-20 X 1 3/4.	8
6	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4.	8
7	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	8
8	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	8
9	PFFZZ		04664	1356395	BRACKET,MOUNTING SPANNER WRENCH.	1
10	PFFZZ		04664	1356394	BRACKET,MOUNTING SPANNER WRENCH.	1
11	PFFZZ		04664	1356397	BRACKET,MOUNTING SPANNER WRENCH.	1
					END OF FIGURE	

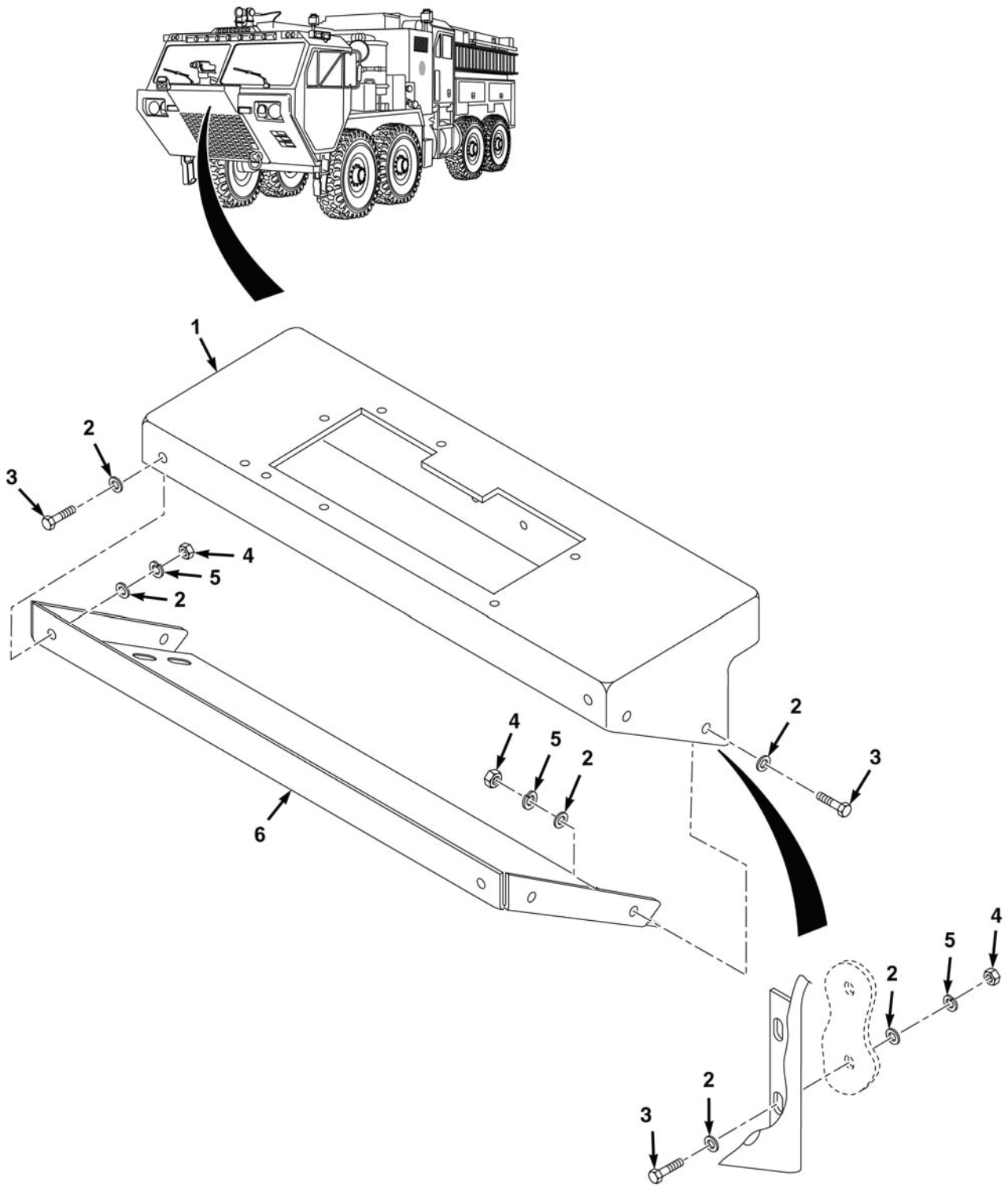


FIG. 166 BUMPER TURRET PLATFORM INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7636 MOUNTING BRACKET, FUEL TANK, AND AIR RESERVOIR	
					FIG. 166 BUMPER TURRET PLATFORM INSTALLATION	
1	PAFZZ	2540-01-559-2878	04664	1160318	BRACKET,BUMPER	1
2	PAFZZ	5310-00-080-6004	96906	MS27183-14	WASHER,FLAT .375	12
3	PAFZZ	5305-00-068-0510	80204	B1821BH038C100N	SCREW,CAP,HEXAGON .375-16 X 1.00.	10
4	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON .375-16 UNC . . .	8
5	PAFZZ	5310-00-004-5033	80205	MS35338-46	WASHER,LOCK .375.	10
6	PAFZZ		04664	1160319	INSIDE,BUMPER.	1
					END OF FIGURE	

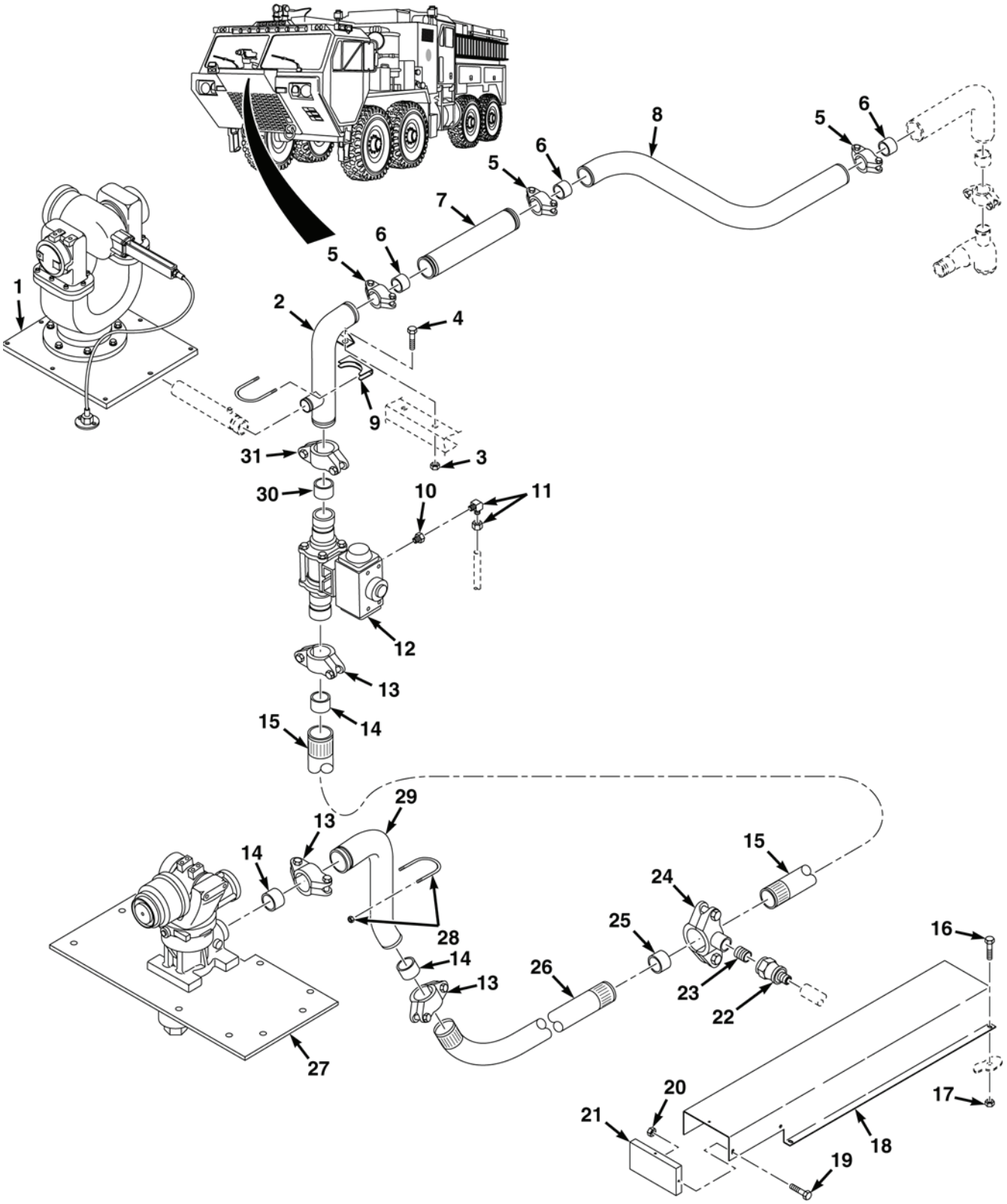


FIG. 167 ROOF AND BUMPER TURRET PIPING SYSTEM

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7639 FIXED FIRE FIGHTING	
					FIG. 167 ROOF AND BUMPER TURRET PIPING SYSTEM	
1	PAFZZ		00912	3460	TURRET,ROOF,500 GPM	1
2	PAFZZ		04664	1203967	WELDMENT,TEE,ROOF/B	1
3	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	2
4	PAFZZ	5305-00-781-3927	80204	B1821BH038C350N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 3 1/2	2
5	PAFZZ	4730-01-518-1974	79154	3.0INCH07T	COUPLING,CLAMP,PIPE STYLE 07 X 3	3
6	PAFZZ	5330-01-518-2030	79154	3.0INCH07T-GASKET	GASKET	3
7	PAFZZ		04664	1348481	PIPE,PRECONNECT,RH	1
8	PAFZZ		04664	1336191	PIPE,TURRET TRANSITION	1
9	PAFZZ	5340-01-517-3685	96566	139350-00	CLEVIS AND U-BOLT 3 1/2	1
10	PAFZZ	4730-00-202-6491	93061	209P-6-4	BUSHING,PIPE	2
11	PAFZZ	4730-01-086-4064	81343	SAE J246 4-4 100202BA	ELBOW,PIPE TO TUBE 90 DEG	2
12	PAFZZ	4820-01-517-5336	04664	1332091-0200	VALVE,BALL	1
13	PAFZZ	4730-01-518-1977	79154	L020007PT0	COUPLING,CLAMP,PIPE STYLE 07 X 2	3
14	PAFZZ	5330-01-518-2033	79154	2.0INCH07T-GASKET	GASKET	3
15	PAFZZ	4720-01-517-5436	04664	1363740	HOSE ASSEMBLY,NONME	1
16	PAFZZ	5305-00-068-0510	80204	B1821BH038C100N	SCREW,CAP,HEXAGON HEAD ,3/8-16 X 1	4
17	PAFZZ	5310-01-477-8639	39428	90640A131	NUT,SELF-LOCKING 3/8-16	4
18	PFFZZ		04664	1225925	COVER,TURRET PIPE	1
19	PAFZZ	5306-00-637-9675	96906	MS35307-332	BOLT,MACHINE 5/16-18 X 3/4	3
20	PAFZZ	5310-00-807-1469	56878	FN12A054	NUT,SELF-LOCKING EXTENDED WASHER,5/16-24	3
21	PFFZZ		04664	1225924	COVER	1
22	PAFZZ	4730-01-114-8326	56161	10557954-2	ADAPTER,STRAIGHT TUBE TO HOSE	1
23	PAFZZ	4730-01-305-8657	39428	4830K191	NIPPLE,PIPE	1
24	PAFZZ	4730-01-518-5405	79154	2.0INCH72T	COUPLING,CLAMP,PIPE	1
25	PAFZZ	5330-01-518-2035	57733	2.0INCH72T-GASKE	GASKET	1
26	PAFZZ	4720-01-517-5434	04664	1363739	HOSE ASSEMBLY,NONME	1
27	PBFZZ	4210-01-517-4088	00912	3465	TURRET,BUMPER,FIRET	1
28	PAFZZ	5340-01-398-6995	72741	656-214	CLAMP,LOOP 2 1/4	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
29	PAFZZ		04664	1203968	PIPE,INLET	1
30	PAFZZ	5330-01-521-1773	79154	30X20INCH750T-GASKET	GASKET	1
31	PAFZZ	4730-01-521-6588	79154	3.0X2.0INCH750T	COUPLING,CLAMP,PIPE	1

END OF FIGURE

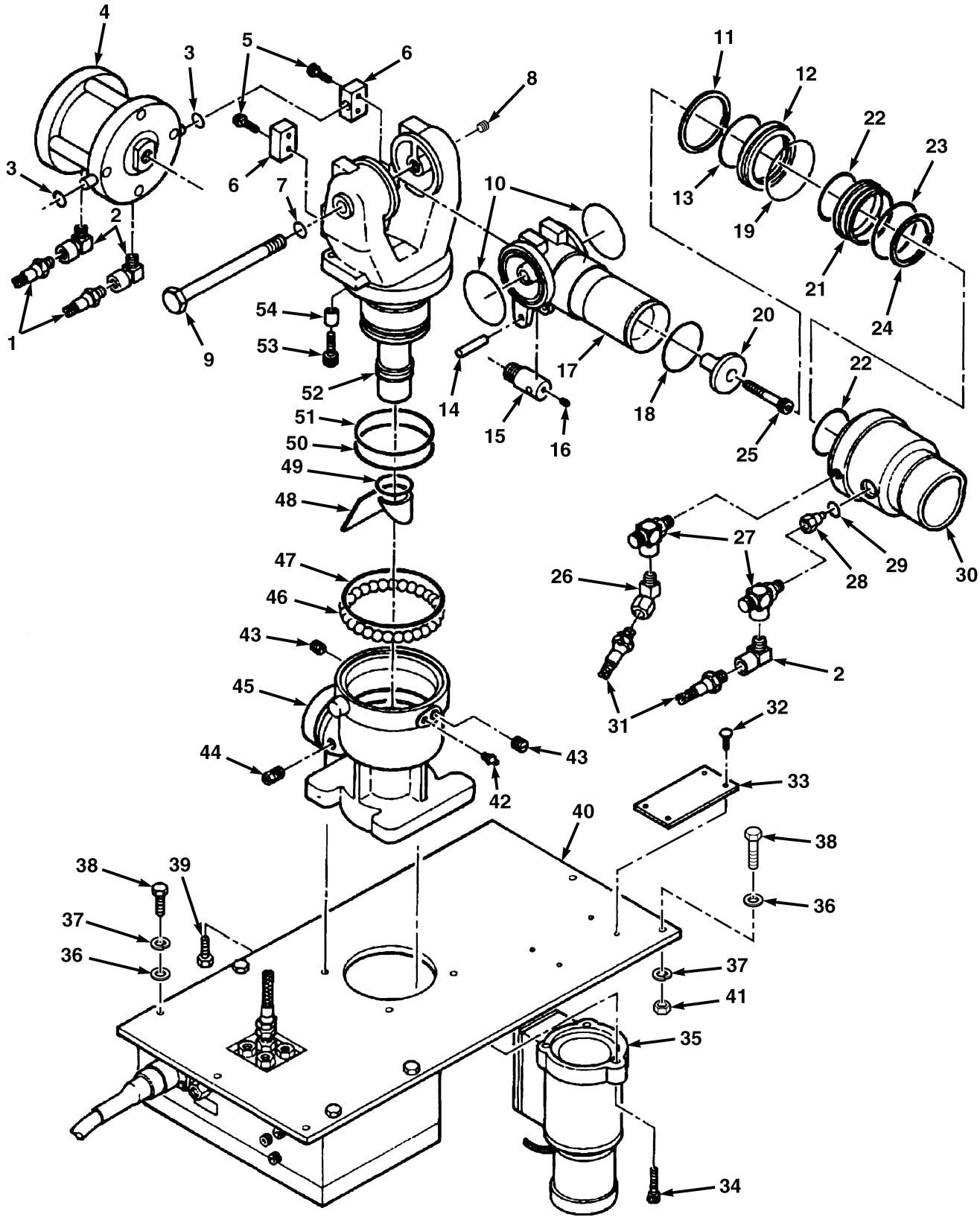


FIG. 168 BUMPER TURRET ASSEMBLY (SHEET 1 OF 2)

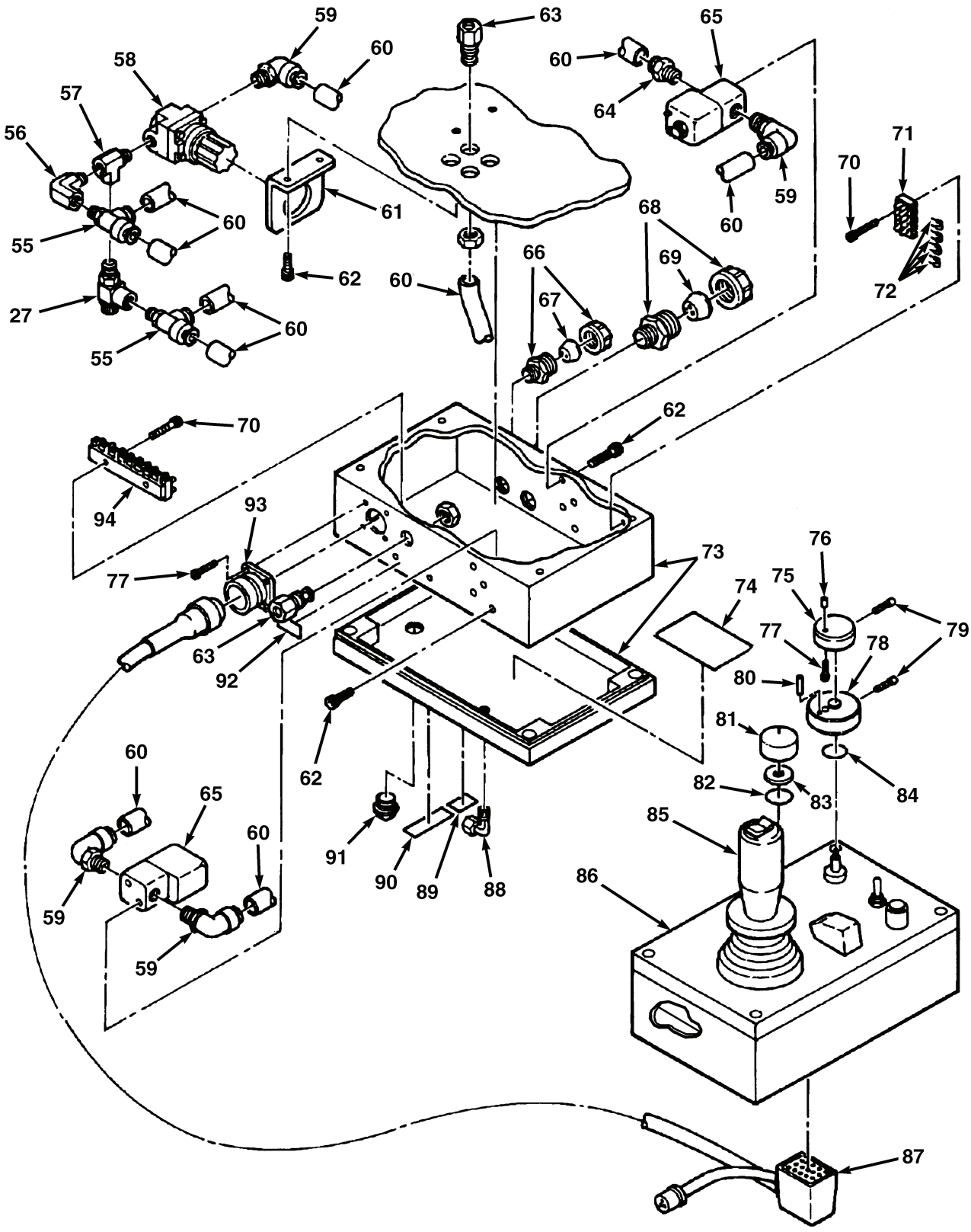


FIG. 168 BUMPER TURRET ASSEMBLY (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7639 FIXED FIRE FIGHTING	
					FIG. 168 BUMPER TURRET ASSEMBLY	
1	PAFZZ	4720-01-517-5323	00912	7-21-260	HOSE ASSEMBLY NONMETALLIC	2
2	PAFZZ	4730-01-517-5262	00912	7-13-199	ELBOW,HOSE 90 DEG	3
3	PAFZZ	5331-01-087-8709	00912	7-57-005	O-RING	2
4	PAFZZ	2530-01-517-8982	00912	109216	CHAMBER,AIR BRAKE	1
5	PAFZZ	5305-01-517-3730	00912	7-67-086	SCREW,CAP,HEXAGON HEAD	4
6	PFFZZ	3040-01-517-7013	00912	7-07-267	BRACKET,EYE ROTATING	2
7	PAFZZ	5331-01-129-4333	00912	7-57-095	O-RING	1
8	PAFZZ	5305-01-517-4218	00912	7-65-099	SETSCREW	1
9	PAFZZ	5305-01-517-3760	00912	7-61-083	SCREW,CAP,HEXAGON HEAD	1
10	PAFZZ	5331-01-517-3941	00912	7-57-289	O-RING	2
11	PAFZZ	5325-01-517-3954	00912	7-58-187	RING,RETAINING	1
12	PAFZZ	4210-01-518-5333	00912	104481	PISTON,BUMPER	1
13	PAFZZ	5331-01-517-3955	00912	7-57-286	O-RING	1
14	PAFZZ	5315-01-517-3938	00912	7-44-302	PIN,STRAIGHT	1
15	PAFZZ	5340-01-517-2883	00912	7-07-266	ROD,STRAIGHT HEADLESS	1
16	PAFZZ	5305-01-517-3210	00912	7-65-025	SETSCREW	1
17	PAFZZ		00912	109229	TEE,OUTLET UP TO 300 GPM	1
18	PAFZZ	5331-01-517-3944	00912	7-57-246	O-RING	1
19	PAFZZ	5331-01-517-3959	00912	7-57-287	O-RING	1
20	PAFZZ	6680-01-517-9039	00912	104491	BAFFLE 250 GPM	1
21	PAFZZ	4210-01-421-8494	00912	104482	PISTON,BUMPER	1
22	PAFZZ	5331-01-517-3949	00912	7-57-285	O-RING	2
23	PAFZZ	5331-01-517-3962	00912	7-57-288	O-RING	1
24	PAFZZ	5325-01-517-4190	00912	7-58-186	RING,RETAINING	1
25	PAFZZ	5305-01-517-3946	00912	7-67-096	SCREW,CAP,SOCKET HEAD	1
26	PAFZZ	4730-01-517-5267	00912	7-13-067	ELBOW,PIPE TO TUBE	1
27	PAFZZ	4820-01-517-5269	00912	7-79-058	VALVE,FLOW CONTROL	3
28	PAFZZ	4730-01-517-5272	00912	7-07-262	ADAPTER BUSHING	1
29	PAFZZ	5330-00-426-3321	00912	7-57-022	PACKING,PREFORMED 5/8 X 7/16	1
30	PAFZZ	4210-01-518-5329	00912	109304	HOUSING,NOZZLE	1
31	PAFZZ	4720-01-517-5263	00912	7-21-265	HOSE ASSEMBLY NONMETALLIC	2
32	PAFZZ	5305-01-517-3932	00912	7-36-045	SCREW,DRIVE	4
33	PAFZZ		00912	744414	PLATE,DATA	1
34	PAFZZ	5305-01-517-3768	00912	7-67-112	SCREW,CAP,SOCKET HEAD	3

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
35	PAFZZ	6105-01-517-9047	00912	3465-0056	MOTOR,DIRECT 24 VOLT	1
36	PAFZZ	5310-00-809-4061	96906	MS27183-15	WASHER,FLAT 7/16	8
37	PAFZZ	5310-00-004-5033	80205	MS35338-46	WASHER,LOCK 3/8	8
38	PAFZZ	5305-01-517-3927	00912	7-61-070	SCREW,CAP,HEXAGON HEAD	4
39	PAFZZ	5305-01-517-3930	00912	7-61-072	SCREW,CAP,HEXAGON HEAD	4
40	PAFZZ		00912	742093	PLATE,MOUNTING	1
41	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	4
42	PAFZZ	4730-01-517-5266	00912	7-13-191	FITTING,LUBRICATION	1
43	PAFZZ	5365-01-517-5377	00912	7-42-024	PLUG,MACHINE THREAD	2
44	PAFZZ	4730-00-044-4689	00912	7-44-009	PLUG,PIPE	1
45	PAFZZ	4730-01-517-5265	00912	104477	ADAPTER,STRAIGHT	1
46	PAFZZ	3120-01-422-5932	00912	7-04-020	BEARING,SLEEVE	29
47	PAFZZ	5330-00-495-7304	00912	7-57-036	PACKING,PREFORMED 3 3/4 X 3 1/2	1
48	PAFZZ	3110-01-517-4227	00912	7-04-288	BEARING,BALL,PIVOT	1
49	PCFZZ	5331-01-121-8323	00912	7-57-064	O-RING	1
50	PAFZZ	5331-01-517-3765	00912	7-57-029	O-RING	1
51	PAFZZ	5330-00-482-8540	00912	7-57-046	PACKING,PREFORMED 3 3/4 X 3 1/2	1
52	PAFZZ	4210-01-518-0905	00912	104493	SIAMESE CONNECTION	1
53	PAFZZ	5305-01-517-3763	00912	7-66-036	SCREW,CAP,HEXAGON HEAD	1
54	PAFZZ	5365-01-517-5371	00912	7-70-270	SPACER,SLEEVE	1
55	PAFZZ	4730-01-517-5317	00912	7-13-080	TEE,BOSS	2
56	PAFZZ	4730-01-517-5316	00912	7-13-085	ELBOW,BOSS	1
57	PAFZZ	4730-01-517-5314	00912	7-13-084	TEE,BOSS	1
58	PAFZZ	4820-01-517-5313	00912	7-58-190	VALVE,REGULATING	1
59	PAFZZ	4730-01-517-5273	00912	7-10-091	ELBOW,HOSE 90 DEG	7
60	PAFZZ	4720-01-517-5287	00912	7-21-261	HOSE ASSEMBLY NONMETALLIC	1
61	PFFZZ		00912	704779	BRACKET,REGULATOR	1
62	PAFZZ	5305-01-517-4206	00912	7-65-152	SCREW,CAP,SOCKET HEAD	10
63	PAFZZ	4730-01-517-5308	00912	7-13-081	ADAPTER,STRAIGHT	5
64	PAFZZ	4730-01-517-5319	00912	7-13-082	ADAPTER,STRAIGHT	2
65	PAFZZ	4810-01-517-5286	00912	7-69-464	VALVE,SOLENOID 24 VOLT,500 GPM	4
66	PAFZZ	4730-01-517-5311	00912	7-18-014	SLEEVE,COMPRESSION	1
67	PAFZZ	5365-01-517-5367	00912	7-18-098	BUSHING,MACHINE THREAD	1
68	PAFZZ	4730-01-517-5309	00912	7-18-141	SLEEVE,COMPRESSION	1
69	PAFZZ	5365-01-517-5369	00912	7-03-398	BUSHING,MACHINE THREAD	1
70	PAFZZ	5305-01-517-4209	00912	7-67-094	SCREW,CAP,SOCKET HEAD	4
71	PAFZZ	5940-01-517-8219	00912	7-04-294	TERMINAL JUNCTION BOX	1
72	PAFZZ		00912	7-25-024	. JUMPER	4
73	PAFZZ		00912	7-03-414	BOX,JUNCTION	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
74	PAFZZ		00912	7-29-123	LABEL,WIRING	1
75	PAFZZ	5355-01-517-4275	00912	104479	. KNOB	1
76	PAFZZ	5315-00-145-4555	00912	7-44-066	. PIN,SPRING	1
77	PAFZZ	5305-01-517-4205	00912	7-67-019	. SCREW,CAP,SOCKET HEAD	4
78	PAFZZ	5355-01-517-4202	00912	104478	. KNOB	1
79	PAFZZ	5305-01-517-4204	00912	7-65-164	. SCREW,CAP,SOCKET HEAD	2
80	PAFZZ	5315-01-193-9327	00912	7-44-050	. PIN,STRAIGHT HEADLESS	1
81	PAFZZ	5355-01-517-4198	00912	7-27-037	. KNOB	1
82	PAFZZ	5331-01-517-4191	00912	7-57-226	. O-RING	1
83	PAFZZ	5365-01-517-5374	00912	7-70-269	. SPACER,STRAIGHT	1
84	PAFZZ	5331-01-517-4199	00912	7-57-243	. O-RING	1
85	XAFZZ		00912	7-25-025	JOYSTICK	1
86	PAFZZ		00912	34650072	CONTROL BOX ASSY LANDSCAPE,24 VOLT	1
87	PAFZZ	6150-01-517-9044	00912	7-21-263	CABLE ASSEMBLY SPECIAL,8 FT, WITH PLUGS	1
88	PAFZZ	4730-01-517-5307	00912	7-13-075	ELBOW,FLANGE	1
89	PAFZZ		00912	7-29-126	LABEL,AIR EXHAUST	1
90	PAFZZ		00912	7-29-124	LABEL,SPEED CONTROL	1
91	PAFZZ	5365-01-517-5379	00912	7-44-303	PLUG,MACHINE THREAD	1
92	PAFZZ		00912	7-29-125	LABEL,AIR INLET	1
93	PAFZZ	5935-01-517-5343	00912	7-07-265	ADAPTER,CONNECTOR	1
94	PAFZZ	5940-01-517-8222	00912	7-04-293	TERMINAL JUNCTION BOX	1

END OF FIGURE

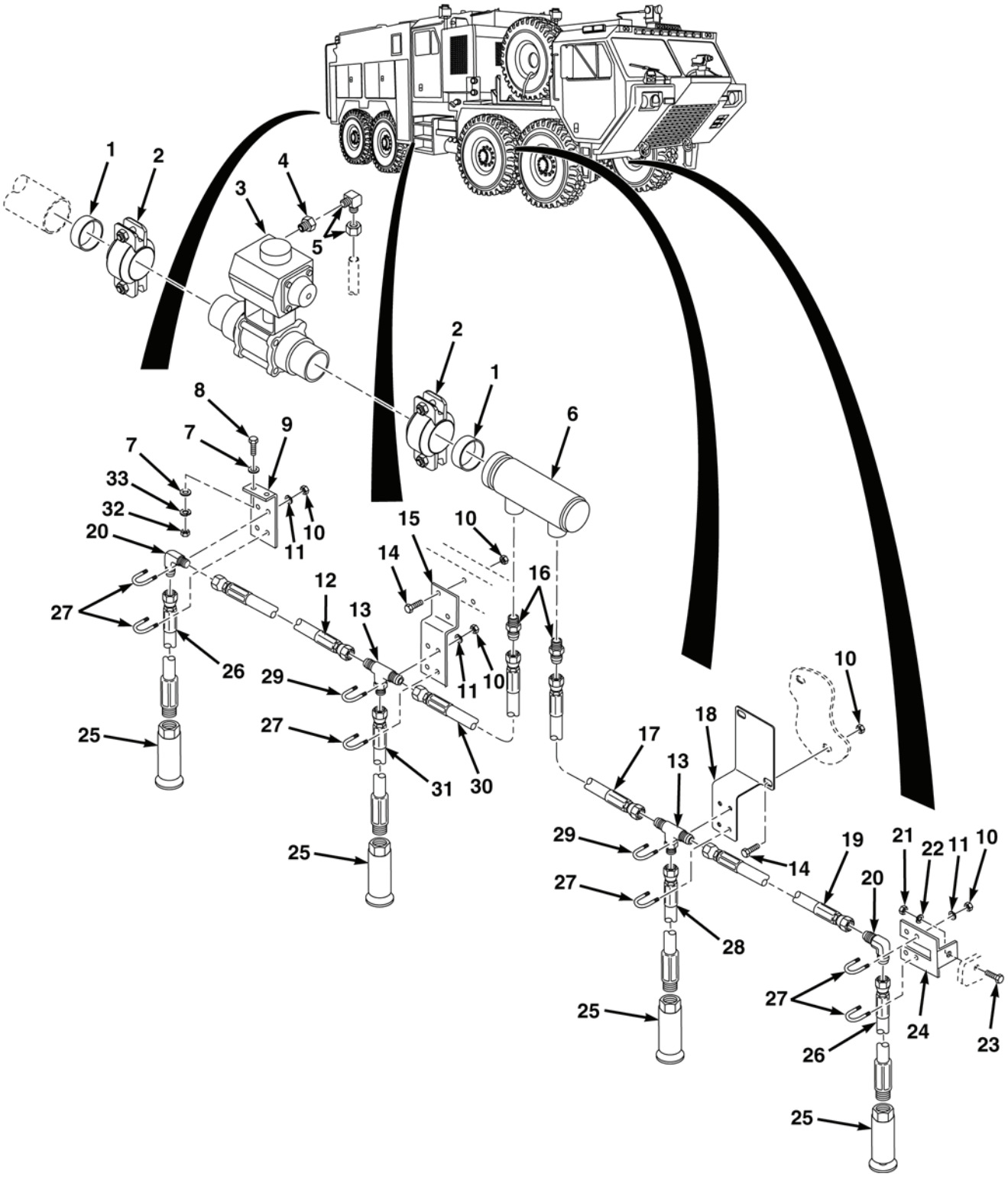


FIG. 169 GROUND SWEEP INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7639 FIXED FIRE FIGHTING	
					FIG. 169 GROUND SWEEP INSTALLATION	
1	PAFZZ	5330-01-518-2027	79154	G014077LT0	GASKET	2
2	PAFZZ	4730-01-518-1972	79154	1.5INCH07T	COUPLING,CLAMP,PIPE STYLE 07	2
3	PAFZZ	4820-01-517-5333	04664	1332091-0150	VALVE,BALL	1
4	PAFZZ	4730-00-202-6491	93061	209P-6-4	BUSHING,PIPE	2
5	PAFZZ	4730-01-086-4064	81343	SAE J246 4-4 100202BA	ELBOW,PIPE TO TUBE 90 DEG	2
6	PAFZZ		04664	1336197	PIPE,UNDER TRUCK SWEEPS	1
7	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	6
8	PAFZZ	5305-00-068-0510	80204	B1821BH038C100N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1	2
9	PFFZZ		04664	1207288	BRACKET,MOUNTING	1
10	PAFZZ	5310-01-081-5351	08928	SN-524NE-24	NUT,SELF-LOCKING 5/16-18 UNC	30
11	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	28
12	PAFZZ	4720-01-517-5002	04664	1207127-0001	HOSE ASSEMBLY,NONME 106 IN. LG.	1
13	PAFZZ	4730-01-518-0898	30780	223T-16-16	TEE,PIPE TO TUBE	2
14	PAFZZ	5305-00-543-2866	80204	B1821BH038C250N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 2 1/2	2
15	PFFZZ		04664	1207287	BRACKET,MOUNTING	1
16	PAFZZ	4730-00-718-2621	96906	MS51500A16	ADAPTER,STRAIGHT PIPE TO TUBE	2
17	PAFZZ	4720-01-517-5008	04664	1207127-0003	HOSE ASSEMBLY,NONME 79 IN. LG.	1
18	PFFZZ		04664	1207286	BRACKET,MOUNTING	1
19	PAFZZ	4720-01-517-5312	04664	1207127-0006	HOSE ASSEMBLY,NONME 128 IN. LG.	1
20	PAFZZ	4730-00-595-1871	79470	C5455X12	ELBOW,PIPE TO TUBE	2
21	PAFZZ	5310-01-494-4566	81349	M45913/1-12CG8Z	NUT,SELF-LOCKING 3/4-10	1
22	PAFZZ	5310-00-809-8533	96906	MS27183-23	WASHER,FLAT 3/4	1
23	PAFZZ	5305-00-947-4352	80204	B1821BH075C125N	SCREW,CAP,HEXAGON HEAD, 3/4-10 X 1 1/4	1
24	PFFZZ		04664	1207285	BRACKET,MOUNTING	1
25	PAFZZ	4730-01-519-2480	04664	1186153	NOZZLE,SPRAY,FLUID-	4
26	PAFZZ	4720-01-517-5310	04664	1207127-0005	HOSE ASSEMBLY,NONME 17-1/2 IN. LG.	2
27	PAFZZ	5340-01-517-3680	96566	139275-00	CLAMP,LOOP	6
28	PAFZZ	4720-01-517-5315	04664	1207127-0007	HOSE ASSEMBLY,NONME 24-1/2 IN. LG.	1
29	PAFZZ	5340-01-517-3685	96566	139350-00	CLEVIS AND U-BOLT 3 1/2	2
30	PAFZZ	4720-01-517-5006	04664	1207127-0002	HOSE ASSEMBLY,NONME 145 IN. LG.	1
31	PAFZZ	4720-01-517-5011	04664	1207127-0004	HOSE ASSEMBLY,NONME 11 IN. LG.	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
32	PAFZZ	5310-01-477-8639	39428	90640A131	NUT,SELF-LOCKING 3/8-16	2
33	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	2
					END OF FIGURE	

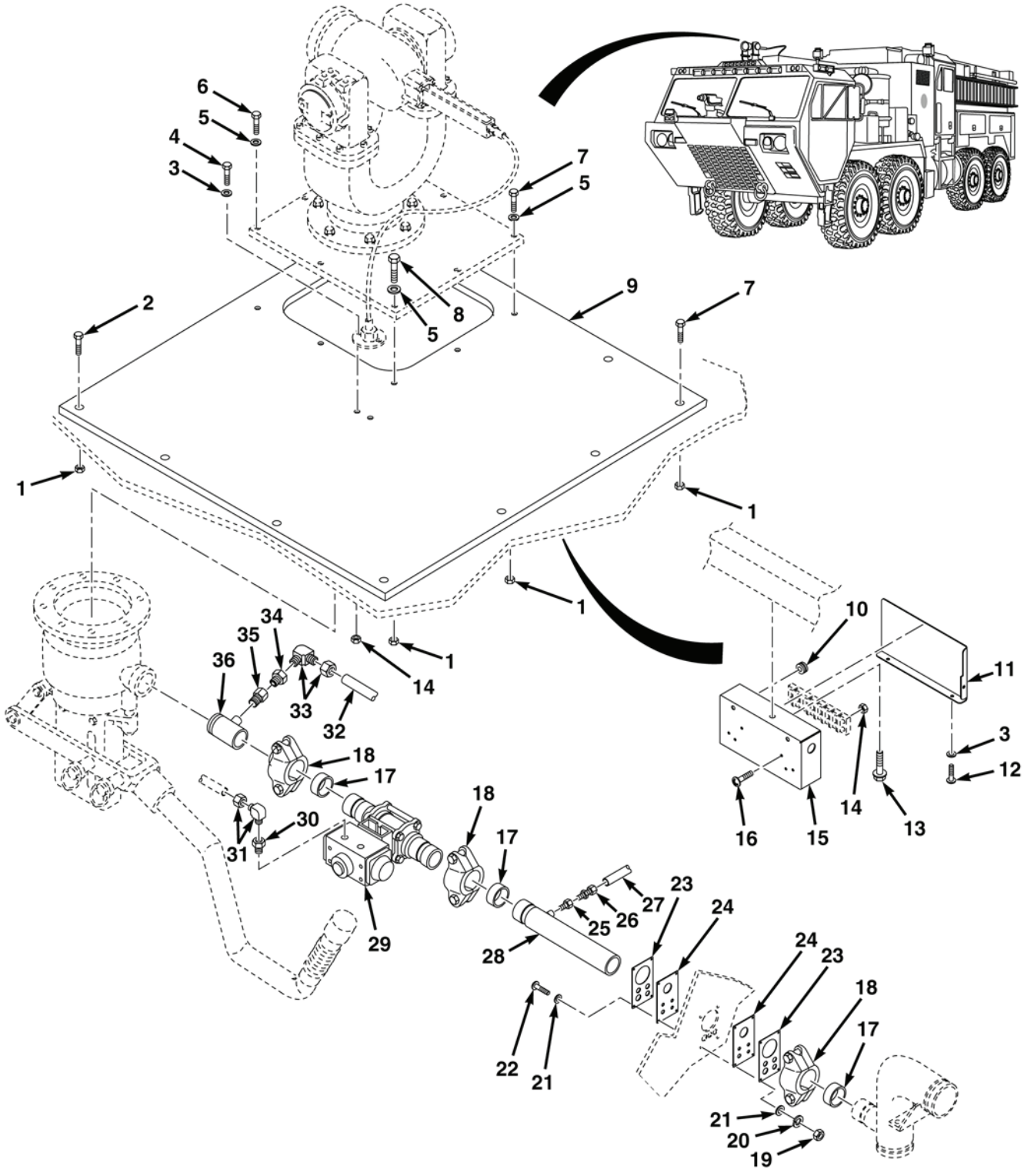


FIG. 170 ROOF TURRET INSTALLATION (SHEET 1 OF 2)

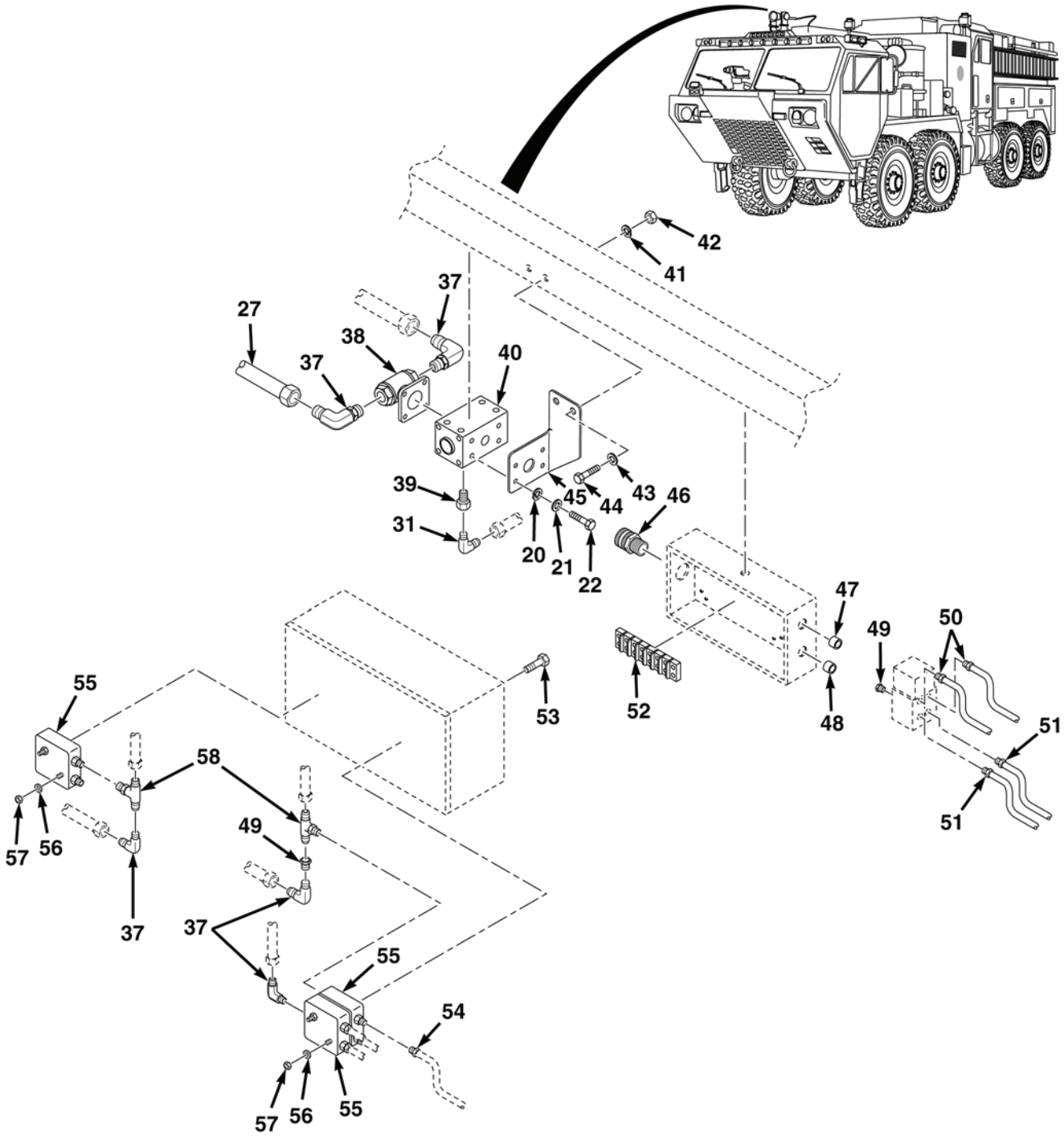


FIG. 170 ROOF TURRET INSTALLATION (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7639 FIXED FIRE FIGHTING	
					FIG. 170 ROOF TURRET INSTALLATION	
1	PFFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	16
2	PAFZZ	5305-00-781-3927	80204	B1821BH038C350N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 3 1/2	1
3	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	2
4	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 1	2
5	PAFZZ	5310-00-080-6004	96906	MS27183-14	WASHER,FLAT 3/8	16
6	PAFZZ	5305-00-781-3928	80204	B1821BH038C400N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 4	3
7	PAFZZ	5305-00-846-5703	80204	B1821BH038C300N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 3	9
8	PAFZZ	5305-00-068-0510	80204	B1821BH038C100N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1	3
9	PAFZZ		04664	1186154	PLATE,MOUNTING,ROOF	1
10	PCFZZ	5325-00-174-9312	96906	MS35489-36	GROMMET,NONMETALLIC	2
11	PFFZZ		04664	1372499	COVER,JUNCTION BOX	1
12	PAFZZ	5305-00-988-1723	80205	MS35206-279	SCREW,MACHINE 1/4-20 X 1/2	1
13	PAFZZ	5305-00-071-2513	80204	B1821BH025C250N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 2 1/2	1
14	PAFZZ	5310-01-156-7706	96906	MS16286-1	NUT,PLAIN,HEXAGON 1/4-20	3
15	PAFZZ		04664	1372498	BOX,JUNCTION	1
16	PAFZZ	5305-00-765-4344	80205	MS51959-36	SCREW,MACHINE .138-32 X 1.50	2
17	PAFZZ	5330-01-518-2013	79154	1.5INCH75T-GASKE	GASKET	3
18	PAFZZ	4730-01-518-1973	79154	1.5INCH75T	COUPLING,CLAMP,PIPE STYLE 75 X1-1/2	3
19	PAFZZ	5310-01-142-7049	45152	1817HX	NUT,PLAIN,HEXAGON 10-24	4
20	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	4
21	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	8
22	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	4
23	PFFZZ		04664	1221018	BRACKET,TURRET,SEAL	1
24	PFFZZ	5340-01-517-2760	04664	1221019	BRACKET,MOUNTING TURRET BRACKET	2
25	PAFZZ	4730-00-278-3888	30780	0102-12-8	REDUCER,PIPE 3/4 X 1/2	1
26	PAFZZ	4730-01-096-9127	93061	68NTA-6-8	ADAPTER,STRAIGHT,PI	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
27	MFFZZ		04664	944035-24	TUBING,NONMETALLIC MAKE FROM P/N NT10006BK,CAGE 01276,APPROX 24 IN. LG.	1
28	PAFZZ		04664	1215640	PIPE,INLET, ROOF TURRET	1
29	PAFZZ	4820-01-517-5333	04664	1332091-0150	VALVE,BALL	1
30	PAFZZ	4730-00-202-6491	93061	209P-6-4	BUSHING,PIPE	1
31	PAFZZ	4730-01-086-4064	81343	SAE J246 4-4 100202BA	ELBOW,PIPE TO TUBE 90 DEG	4
32	MFFZZ		04664	944035-110	TUBING,NONMETALLIC MAKE FROM P/N NT10006BK,CAGE 01276,APPROX 110 IN. LG.	1
33	PAFZZ	4730-01-291-8460	93061	269CA-6-2	ELBOW,PIPE TO TUBE	1
34	PAFZZ	4730-00-278-3167	81343	12-8130140BA	BUSHING,PIPE	1
35	PAFZZ	4820-01-517-4992	00912	3467-0001	COCK,DRAIN 3/4 IN. NPT	1
36	PAFZZ		04664	1348480	WELDMENT,TURRET/PUM	1
37	PAFZZ	4730-01-471-6636	93061	169PMT-4-2	ELBOW,PIPE TO TUBE	5
38	PAFZZ	4810-01-517-4961	04664	1062712	VALVE,BALL	1
39	PAFZZ	4730-21-914-3820	36621	68PMT-4-2	ADAPTER,STRAIGHT,PI PIPE TO TUBE	2
40	XC		04664	1365928	PUMP COOLER	1
41	PAFZZ	5310-00-004-5033	80205	MS35338-46	WASHER,LOCK 3/8	2
42	PAFZZ	5310-00-245-3615	80205	MS35649-2314	NUT,PLAIN,HEXAGON 5/16-18	2
43	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	2
44	PAFZZ	5305-00-226-4831	80204	B1821BH031C150N	SCREW,CAP,HEXAGON HEAD, 5/16-18 X 1 1/2	2
45	PFFZZ		04664	1346471	BRACKET,PUMP COOLER	1
46	PAFZZ	5975-00-519-8334	49367	DB338	BOX CONNECTOR,ELECT	1
47	PAFZZ	5975-00-977-8478	28520	2096	BUSHING,ELECTRICAL CONDUCTOR	1
48	PAFZZ	5365-01-517-3967	28520	2075	BUSHING BLANK CONDUCTOR	2
49	PAFZZ	5340-01-171-1071	99016	0157018 F18	PLUG,VENT	3
50	MFFZZ		04664	1111827-0001-120	TUBING,NONMETALLIC MAKE FROM P/N PFT-4A-RED,CAGE 61424,APPROX 120 IN. LG.	10
51	MFFZZ		04664	1111827-0002-120	TUBING,NONMETALLIC MAKE FROM P/N PFT-4A-BLU,CAGE 98441,APPROX 120 IN. LG	10
52	PAFZZ	5940-01-508-5925	13445	M-427	TERMINAL JUNCTION B BLOCK,6 CONDUCTOR	1
53	PAFZZ	5305-00-984-6225	80205	MS35206-238	SCREW,MACHINE .138-32 X 2	4
54	PAFZZ	4730-01-517-8577	1ET59	D31BR	ADAPTER,STRAIGHT,PI	3
55	PAFZZ	4810-01-517-4957	04664	1241335	VALVE,REGULATING,FL	3
56	PAFZZ	5310-01-303-4701	96906	MS51412-1	WASHER,FLAT 11/64	4

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
57	PAFZZ	5310-00-934-9757	96906	MS35649-282	NUT,PLAIN,HEXAGON	4
58	PAFZZ	4730-01-457-8006	93061	1203P-2	TEE,OIL PRESSURE.	2

END OF FIGURE

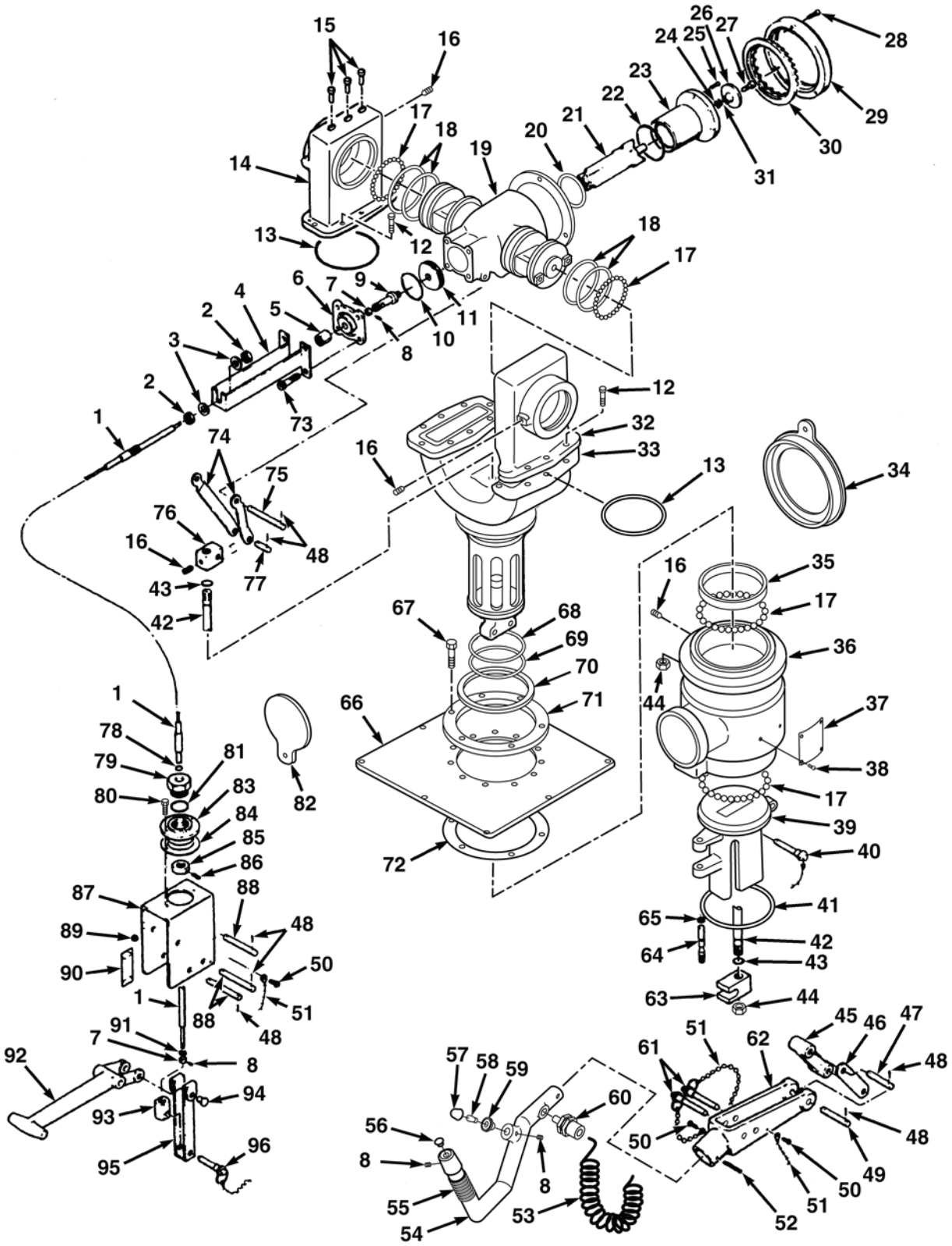


FIG. 171 ROOF TURRET ASSEMBLY

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7639 FIXED FIRE FIGHTING	
					FIG. 171 ROOF TURRET ASSEMBLY	
1	PAFZZ	4210-01-213-4461	00912	7-07-095	CABLE,PATTERN CONTR	1
2	PAFZZ	5310-01-518-2435	00912	7-34-065	NUT,PLAIN,HEXAGON	2
3	PAFZZ	5310-01-517-4248	00912	7-84-054	WASHER,FLAT	2
4	PFFZZ		00912	7-04-161	BRACKET,NOZZLE CABL	1
5	PAFZZ	5310-01-518-0973	00912	7-34-068	NUT,PLAIN,HEXAGON	1
6	PAFZZ	3110-01-517-4256	00912	105697	PLATE,RETAINING,BEA	1
7	PAFZZ	3040-01-213-8551	00912	7-07-090	COLLAR,SHAFT	2
8	PAFZZ	5305-01-517-4217	00912	7-67-026	SETSCREW	4
9	PAFZZ	5315-01-517-4242	00912	105740	PIN,SHOULDER,HEADED	1
10	PCFZZ	5331-01-109-6064	00912	7-57-032	O-RING 2 X 1 3/4	1
11	PAFZZ	5365-01-517-5355	00912	105698	SPACER,SPECIAL SHAP	1
12	PAFZZ	5305-01-184-0776	00912	7-67-003	SCREW	16
13	PAFZZ	5331-01-241-2709	00912	7-57-210	O-RING 4 1/8 X 3 7/8	2
14	PAFZZ		00912	106354	STANCHION	1
15	PAFZZ	5305-01-517-4821	00912	7-44-194	SCREW,CAP,HEXAGON H	3
16	PAFZZ	5305-01-182-3208	00912	7-65-083	SETSCREW	6
17	PAFZZ	3110-01-185-8726	00912	7-03-050	BALL,BEARING	244
18	PCFZZ	5331-01-192-2233	00912	7-57-065	O-RING 3 1/8 X 2 7/8	4
19	PAFZZ		00912	105687	BODY,NOZZLE	1
20	PAFZZ	5325-00-530-5898	81349	M2742630152D	RING,RETAINING	1
21	PAFZZ	4210-01-234-3436	00912	105688	BLADE,NOZZLE	1
22	PCFZZ	5331-01-192-2234	00912	7-57-205	O-RING 2 5/8 X 2 3/8	1
23	PAFZZ	4210-01-518-0419	00912	105702	HOUSING,NOZZLE	1
24	PAFZZ	4820-01-291-8529	00912	7-69-224	SEAT,VALVE	1
25	PAFZZ	5305-01-182-3209	00912	7-65-042	SETSCREW	4
26	PAFZZ	4730-01-517-5331	00912	105689	BAFFLE HEAD	1
27	PAFZZ	5305-01-517-4276	00912	7-63-043	SCREW,CAP,HEXAGON H HEAD	1
28	PAFZZ	5305-01-517-4211	00912	7-65-052	SCREW,CAP,SOCKET HE HEAD	3
29	PAFZZ	5325-01-517-4250	00912	105700	RING,RETAINING	1
30	PAFZZ	4210-01-189-3286	00912	7-72-101	TURBINE,TURRET-ROOF	1
31	PAFZZ	5365-01-517-5352	00912	7-68-141	SHIM	10
32	PAFZZ		00912	105701	STANCHION	1
33	PAFZZ		00912	109858	BASE,SIAMESE	1
34	PAFZZ		00912	7-07-097	CAP,MONITOR WEATHER	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
35	PAFZZ	5365-01-517-5358	00912	7-03-035	SPACER,RING	1
36	PAFZZ		00912	105699	POT,ROOF	1
37	PAFZZ		00912	7-44-185	PLATE,IDENTIFICATIO	1
38	PAFZZ	5305-01-517-3932	00912	7-36-045	SCREW,DRIVE	4
39	PAFZZ		00912	105743	SOCKET,DRIVE	1
40	PAFZZ	5315-01-359-4537	00912	7-04-158	PIN,STRAIGHT,HEADED	2
41	PAFZZ	5325-01-517-4797	00912	7-58-133	RING,RETAINING	1
42	PAFZZ		00912	7-56-075	ROD,CONTROL	1
43	PAFZZ	5330-00-482-6901	00912	0757034	PACKING,PREFORMED 1/2 X 3/8	2
44	PAFZZ	5310-01-517-4796	00912	7-34-063	NUT,PLAIN,HEXAGON	7
45	PAFZZ		00912	7-69-261	SPACER,HANDLE YOKE	1
46	PAFZZ	3040-01-213-8704	00912	7-29-055	CONNECTING LINK,RIG	2
47	PAFZZ	5315-01-517-4801	00912	7-44-172	PIN,STRAIGHT,HEADLE	1
48	PAFZZ	5315-01-517-4244	00912	7-44-168	PIN,COTTER	14
49	PAFZZ	5315-01-517-4819	00912	7-44-171	PIN,STRAIGHT,HEADLE	1
50	PAFZZ	5305-01-517-4825	00912	7-65-104	SCREW,MACHINE	3
51	PAFZZ	4010-01-517-9001	00912	7-07-080	CHAIN ASSEMBLY,SING	5
52	PAFZZ	5315-01-517-4823	00912	7-44-169	PIN,STRAIGHT,HEADLE	1
53	PAFZZ	4210-01-213-4461	00912	7-07-095	CABLE,PATTERN CONTR	1
54	PAFZZ		00912	117931	HANDLE,OPERATING	1
55	PAFZZ		00912	7-18-071	HANDLE GRIP	1
56	PAFZZ	5930-01-517-4908	00912	769473	PUSH BUTTON	1
57	PAFZZ	6220-01-518-0249	00912	7-29-198	LENS,LIGHT	1
58	PAFZZ	6240-01-518-0240	00912	7-29-200	LAMP,INCANDESCENT	1
59	PAFZZ	6220-01-518-0243	00912	7-29-199	INDICATOR,LIGHT	1
60	PAFZZ	4730-01-517-5311	00912	7-18-014	SLEEVE,COMPRESSION	1
61	PAFZZ	5315-01-291-9168	00912	7-04-160	PIN,STRAIGHT,HEADLE	2
62	PAFZZ		00912	105739	YOKE,HANDLE	1
63	PFFZZ	3040-01-517-7018	00912	7-07-092	BRACKET,EYE,ROTATIN CONTROL	1
64	PAFZZ	5315-01-517-4800	00912	7-41-050	PIN,STRAIGHT,HEADLE	1
65	PAFZZ	5325-01-517-4799	00912	7-56-077	RING,RETAINING	1
66	PAFZZ		00912	7-42-067	PLATE,MOUNTING	1
67	PAFZZ	5305-01-517-4284	00912	7-65-107	SCREW,CAP,HEXAGON H HEAD	6
68	PAFZZ	5330-00-495-7304	00912	7-57-036	PACKING,PREFORMED 3 3/4 X 3 1/2	1
69	PAFZZ	5331-01-517-4794	00912	7-57-216	O-RING 3 5/8 X 3 3/8	1
70	PAFZZ	5330-01-163-3149	45152	2BF671	GASKET	1
71	PAFZZ	5365-01-517-5361	00912	105692	SPACER,RING	1
72	PAFZZ	5330-01-517-4793	00912	7-14-165	GASKET	1
73	PAFZZ	5305-01-517-3763	00912	7-66-036	SCREW,CAP,HEXAGON HEAD	4

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
74	PAFZZ		00912	7-29-056	LINK,UPPER CONTROL	2
75	PAFZZ	5315-01-517-4238	00912	7-44-173	PIN,STRAIGHT,HEADED	1
76	PAFZZ	4210-01-213-4459	00912	7-07-093	UPPER CONTROL BLOCK CONTROL	1
77	PAFZZ	5315-01-517-4239	00912	7-44-174	PIN,STRAIGHT,HEADED	1
78	PAFZZ	5330-00-426-3321	00912	7-57-022	PACKING,PREFORMED 5/8 X 7/16	1
79	PAFZZ	5310-01-518-0974	00912	7-34-067	NUT,PLAIN,HEXAGON	1
80	PAFZZ	5305-01-517-4277	00912	7-61-064	SCREW,CAP,HEXAGON H HEAD	2
81	PAFZZ	5331-01-517-4278	00912	7-57-001	O-RING 1 X 3/4	1
82	PAFZZ		00912	7-07-096	CONTROL WEATHER CAP	1
83	PAFZZ	5325-01-518-2817	00912	105741	GROMMET,NONMETALLIC	1
84	PAFZZ	5330-01-517-4279	00912	7-14-164	GASKET	1
85	PAFZZ	3040-01-213-8552	00912	7-07-091	COLLAR,SHAFT	1
86	PAFZZ	5305-01-517-3210	00912	7-65-025	SETSCREW	1
87	PFFZZ		00912	7-04-162	BRACKET,LEVER	1
88	PAFZZ	5315-01-517-4283	00912	7-44-175	PIN,STRAIGHT,HEADLE	3
89	PAFZZ	5310-01-517-4285	00912	7-34-061	NUT,PLAIN,HEXAGON	2
90	PAFZZ		00912	7-08-067	LABEL, PATTEREN CONTROL	2
91	PAFZZ	5325-01-517-4280	00912	7-58-134	RING,RETAINING	1
92	PAFZZ	5340-01-517-4288	00912	105732	LEVER,MANUAL CONTRO PATTERN	1
93	PAFZZ	4030-01-517-9016	00912	7-10-059	SWIVEL,EYE AND LINK	1
94	PAFZZ	5315-01-517-4282	00912	7-44-170	PIN,STRAIGHT,HEADED	2
95	PAFZZ	4210-01-213-4458	00912	7-07-094	CABLE CONNECTOR	1
96	PAFZZ	5315-01-517-4873	00912	7-04-159	PIN,QUICK RELEASE	1

END OF FIGURE

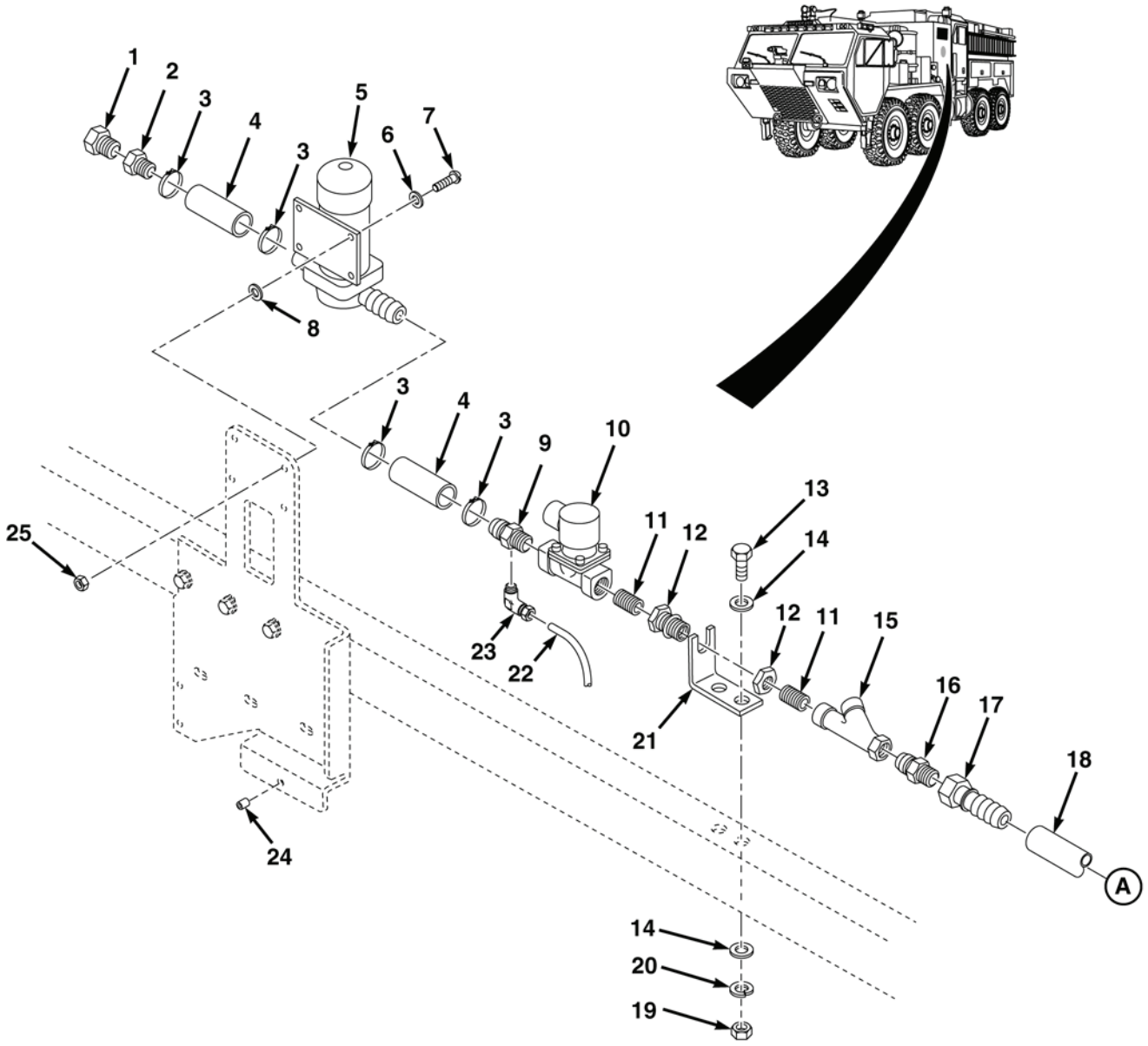


FIG. 172 WINDSHIELD DELUGE INSTALLATION (SHEET 1 OF 2)

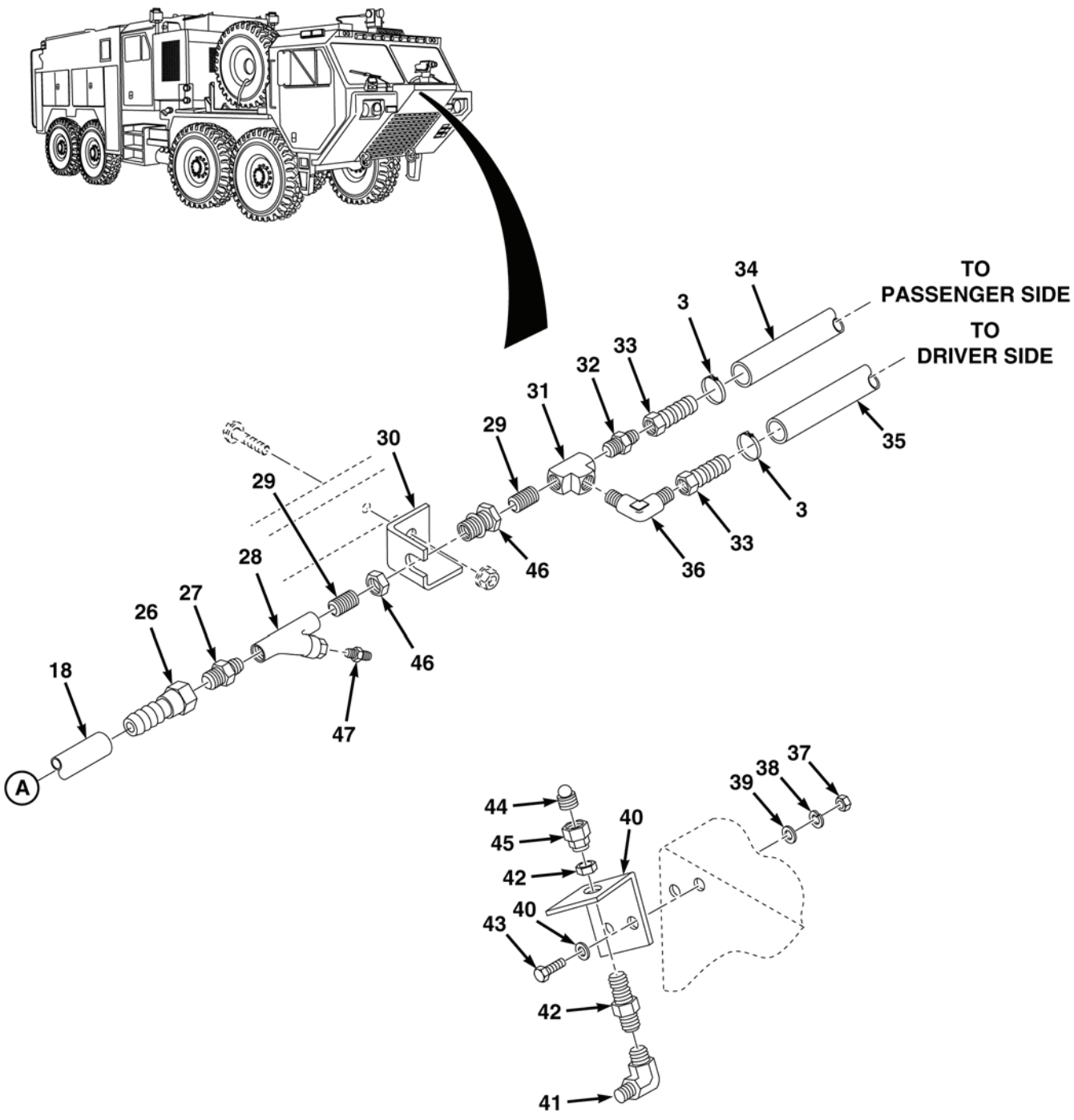


FIG. 172 WINDSHIELD DELUGE INSTALLATION (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7639 FIXED FIRE FIGHTING	
					FIG. 172 WINDSHIELD DELUGE INSTALLATION	
1	PAFZZ	4730-01-233-3395	14127	PF42	ADAPTER,STRAIGHT PIPE TO HOSE. .	1
2	PAFZZ	4730-01-518-0375	87373	30182-8-12B	COUPLING,PIPE	1
3	PAFZZ	4730-01-333-2273	81646	6410	CLAMP,HOSE	6
4	MFFZZ		04664	940004-110	HOSE,HEATER MAKE FROM P/N 580004191,CAGE 0CME1,APPROX 110 IN. LG.	110
5	PAFZZ	2540-01-517-5295	1ET59	4100-343	PUMP,WINDSHIELD WASHER,AUTOMOTIVE,5 GPM.	1
6	PAFZZ	5310-01-393-3735	39428	90313A104	WASHER,FLAT 10-24	4
7	PAFZZ	5305-00-050-9233	96906	MS51957-67	SCREW,MACHINE 10-24 X 1	4
8	PAFZZ	5970-00-373-0773	82577	3310861-1	INSULATOR,WASHER 7/32	4
9	PAFZZ	4730-00-068-9641	01276	4738-12-12B	ADAPTER,STRAIGHT,PI ,12MNPTF,12P	1
10	PAFZZ	4810-01-518-0457	0BCX7	H211GF16N5EG5	VALVE,SOLENOID.	1
11	PAFZZ	4730-01-305-8657	39428	4830K191	NIPPLE,PIPE	2
12	PAFZZ	4730-01-517-8535	93061	207ACBH-0012	COUPLING,PIPE	1
13	PAFZZ	5305-00-543-2419	80204	B1821BH038C113N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/8.	2
14	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	2
15	PAFZZ	4730-01-517-5353	04664	1348158	STRAINER,SEDIMENT	1
16	PAFZZ	4730-00-828-8084	30780	0103-12-12	ADAPTER,STRAIGHT,PI PIPE TO TUBE	2
17	PAFZZ	4730-01-114-8326	56161	10557954-2	ADAPTER,STRAIGHT TUBE TO HOSE .	2
18	MFFZZ		04664	831-8-120	HOSE,SUPPLY MAKE FROM P/N 611-6, CAGE 98441,APPROX 120 IN. LG.	1
19	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16.	2
20	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8.	2
21	PAFZZ		04664	1346477	BRKT,WINDSHIELD	1
22	MFFZZ		04664	944035-35	TUBING,NONMETALLIC MAKE FROM P/N NT10006BK, CAGE 01276,APPROX 35 IN. LG.	1
23	PAFZZ	4730-00-777-6681	30780	6CBI2B	ELBOW,PIPE TO TUBE.	1
24	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	1
25	PAFZZ	5310-00-761-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON 1/4-20.	4
26	PAFZZ	4730-00-497-8280	19200	12604244-143	ADAPTER,STRAIGHT TUBE TO HOSE .	1
27	PAFZZ	4730-00-813-9611	96906	MS51500-B8	ADAPTER,STRAIGHT,PI PIPE TO TUBE	1
28	PAFZZ	4730-01-517-4951	04664	51-4002	STRAINER,SEDIMENT	1
29	PAFZZ	4730-00-188-1864	81346	A733S-49CFB	NIPPLE,PIPE	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
30	PFFZZ		04664	1207294	BRACKET,MOUNTING WINDSHIELD . . .	1
31	PAFZZ	4730-00-277-7331	93061	2203P-6	TEE,PIPE	1
32	PAFZZ	4730-00-322-8457	96906	MS51500A6-6	ADAPTER,STRAIGHT PIPE TO TUBE . .	1
33	PAFZZ	4730-00-588-2614	30780	30682-6-6B	ADAPTER,STRAIGHT TUBE TO HOSE .	2
34	MFFZZ		04664	831-6-48	HOSE,NOZZLE,RH MAKE FROM P/N 611-6,CAGE 98441,APPROX 48 IN. LG. .	1
35	MFFZZ		04664	831-6-72	HOSE,NOZZLE,RH MAKE FROM P/N 611-6,CAGE 98441,APPROX 72 IN. LG. .	1
36	PAFZZ	4730-00-833-4613	30780	6-6CBTXB	ELBOW,PIPE TO TUBE	1
37	PAFZZ	5310-00-761-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON 1/4-21	4
38	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	4
39	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	8
40	PFFZZ		04664	1203963	BRACKET,MOUNTING WINDSHIELD . . .	2
41	PAFZZ	4730-00-231-3065	88041	811CT6	ELBOW,PIPE TO TUBE	1
42	PAFZZ	4730-01-164-3365	93061	207ACBH-4	COUPLING,PIPE	1
43	PAFZZ	5305-00-988-1727	80205	MS35206-283	SCREW,MACHINE 1/4-20 X 1	4
44	PAFZZ	4730-01-518-5386	82247	H1/4U-11020	NOZZLE,SPRAY,FLUID- 1/4 BRASS	2
45	PAFZZ	4730-01-518-0491	82247	36275-1/4X1/4	ADAPTER,STRAIGHT	2
46	PAFZZ	4730-00-511-1677	93061	207ACBH-6	COUPLING,PIPE	1
47	PAFZZ	4730-01-452-3277	93061	68C-4-4	ADAPTER,STRAIGHT PIPE TO TUBE . .	1

END OF FIGURE

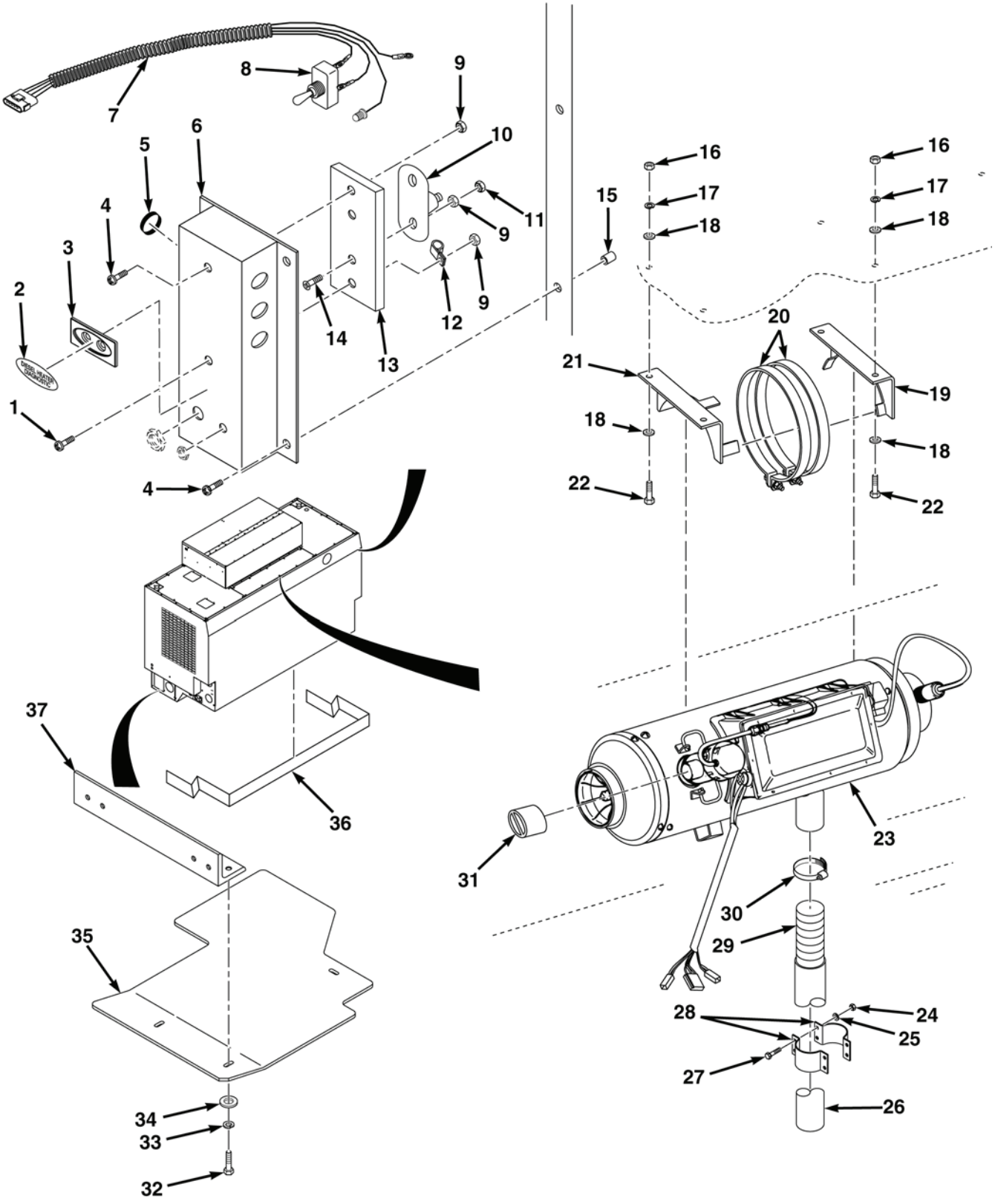


FIG. 173 PUMP HOUSE HEATER INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7651 HEATER ASSEMBLY, REAR COMPARTMENT	
					FIG. 173 PUMP HOUSE HEATER INSTALLATION	
1	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1.0	1
2	PAFZZ	9905-01-519-3387	04664	1253082-0003	PLATE,IDENTIFICATIO DIESEL HEATER DIAG	1
3	PAFZZ	2590-01-517-3439	04664	1091733-0014	BEZEL,AUTOMOTIVE TRIM	1
4	PAFZZ	5305-00-050-9231	96906	MS51957-65	SCREW,MACHINE 10-24 X .75	3
5	PAFZZ		04664	81-1021-0017	GROMMET,NONMETALIC 5/8"	1
6	PFFZZ		04664	1341838	BRACKET,HOUSING KLIXON SWITCH	1
7	PAFZZ		3NZK0	CA 1 60 807-001	HARNESS,SWITCH INC. SWITCH AND DIAG. LED	1
8	PAFZZ		04664	64-6636	SWITCH,TOGGLE,SEALE	1
9	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24	4
10	PAFZZ		3NZK0	44-3795	SWITCH,KLIXON TEMP CONTROL	1
11	PAFZZ		3A054	90675A011	NUT,KEPS,LOCK 10-24UNC	1
12	PAFZZ	5340-00-385-8820	75272	C0V0909	CLAMP,LOOP 1/2"	1
13	PAFZZ	5340-01-517-5868	04664	1280513	PLATE,MOUNTING	1
14	PAFZZ	5305-00-984-6212	80205	MS35206-265	SCREW,MACHINE 10-24 X .75	2
15	PAFZZ	5325-01-411-0066	78276	ALS4-1024-130	INSERT,SCREW THREAD 10-24	2
16	PAFZZ	5310-01-477-8639	39428	90640A131	NUT,SELF-LOCKING .375	4
17	PAFZZ	5310-00-004-5033	80205	MS35338-46	WASHER,LOCK .375	4
18	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	4
19	PFFZZ	2540-12-171-3411	D8435	251244050002	BRACKET,MOUNTING	1
20	PAFZZ	5340-12-171-2845	D8435	102062192209	CLAMP,LOOP	2
21	PFFZZ	2540-12-346-1912	D8435	251728050001	BRACKET,MOUNTING	1
22	PAFZZ	5305-00-068-0510	80204	B1821BH038C100N	SCREW,CAP,HEXAGON .375-16 X 1.0	4
23	PAFZZ	2540-12-360-5948	D8435	251891000000	HEATER,VEHICULAR,CO 24 V	1
24	PAFZZ	5310-01-466-7850	5T389	H001145	NUT,SELF-LOCKING .312	1
25	PAFZZ	5310-00-081-4219	96906	MS27183-12	WASHER,FLAT .312	1
26	PAFZZ	4720-01-517-5328	04664	42-0985-36	SHEATH,FIRE HOSE MAKE FROM P/N FS-F-32,CAGE 87373. APPROX 36 IN. LG.	4
27	PAFZZ	5305-01-082-0049	11939	93543216	SCREW,CAP,HEX HEAD .312-18 X 1	1
28	PAFZZ		04664	1471086-0003	CLAMP,HOSE	2
29	PAFZZ	4720-12-351-2042	D8435	36061381	HOSE,METALLIC	1
30	PAFZZ	4730-01-273-3671	81646	6428	CLAMP,HOSE	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
31	PAFZZ	2990-12-351-0797	D8435	251766050001	CONNECTOR,EXHAUST P	1
32	PAFZZ	5305-00-068-0510	80204	B1821BH038C100N	SCREW,CAP,HEXAGON .375-16 X 1.0 . .	3
33	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK .375	3
34	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 5/16	3
35	PAFZZ	5999-01-517-8940	04664	1365300	HEAT SINK,ELECTRICA UNDER PUMP.	1
36	PAFZZ	5330-01-517-8528	2L480	ED-5340	SEAL,NONMETALLIC SP	1
37	PFFZZ		04664	1365299	BRACKET,MOUNTING HEAT PAN	1

END OF FIGURE

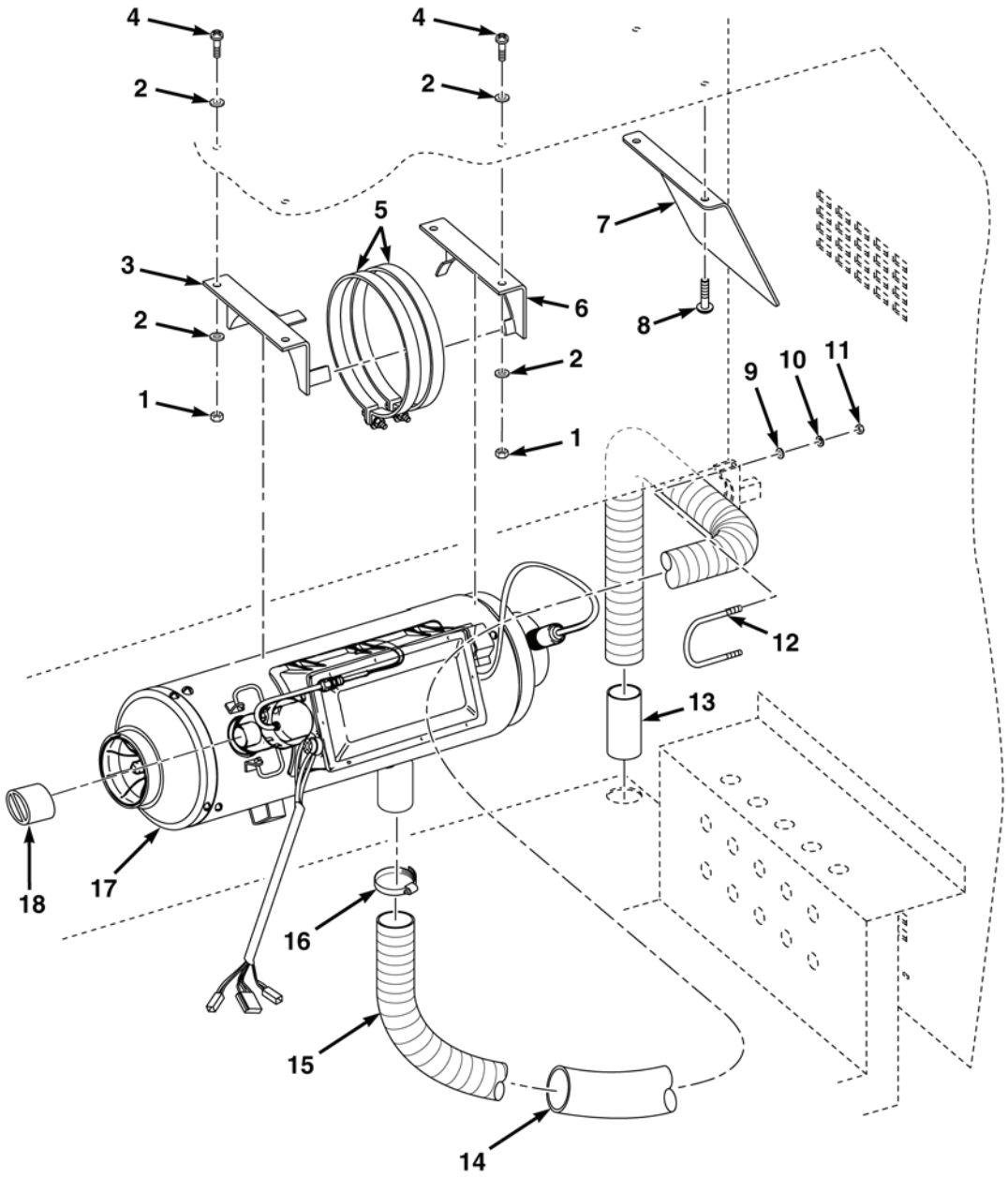


FIG. 174 REAR COMPARTMENT HEATER INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7651 HEATER ASSEMBLY, REAR COMPARTMENT	
					FIG. 174 REAR COMPARTMENT HEATER INSTALLATION	
1	PAFZZ	5310-01-477-8639	39428	90640A131	NUT,SELF-LOCKING .375-16	4
2	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	4
3	PFFZZ	2540-12-346-1912	D8435	251728050001	BRACKET,MOUNTING	1
4	PAFZZ	5305-00-051-0852	96906	MS51957-111	SCREW,MACHINE .375-16 X 1.00	4
5	PAFZZ	5340-12-171-2845	D8435	102062192209	CLAMP,LOOP	2
6	PFFZZ	2540-12-171-3411	D8435	251244050002	BRACKET,MOUNTING	1
7	PFFZZ		04664	1217894	DEFLECTOR,AIR REAR COMPT	1
8	PAFZZ	5305-00-855-0957	45152	2477HX	SCREW,TAPPING	2
9	PAFZZ	5310-00-809-3078	96906	MS27183-11	WASHER,FLAT 5/16	6
10	PAFZZ	5310-00-407-9566	80205	MS35338-45	WASHER,LOCK 5/16	6
11	PAFZZ	5310-00-245-3615	80205	MS35649-2314	NUT,PLAIN,HEXAGON 5/16-18	6
12	PAFZZ	5306-01-209-0504	80205	NAS3105-12-12	BOLT,U	3
13	PAFZZ	2990-12-347-3145	D8435	221000400200	CONNECTOR,EXHAUST P	1
14	MFFZZ		04664	42-0985-72	SHEATH,FIRE HOSE MAKE FROM P/N FS-F-32,CAGE 87373,APPROX 72 IN. LG.	6
15	PAFZZ	4720-12-351-2042	D8435	36061381	HOSE,METALLIC	1
16	PAFZZ	4730-01-273-3671	81646	6428	CLAMP,HOSE	1
17	PAFZZ	2540-12-360-5948	D8435	251891000000	HEATER,VEHICULAR,CO 24 V	1
18	PAFZZ	2990-12-351-0797	D8435	251766050001	CONNECTOR,EXHAUST P	1
					END OF FIGURE	

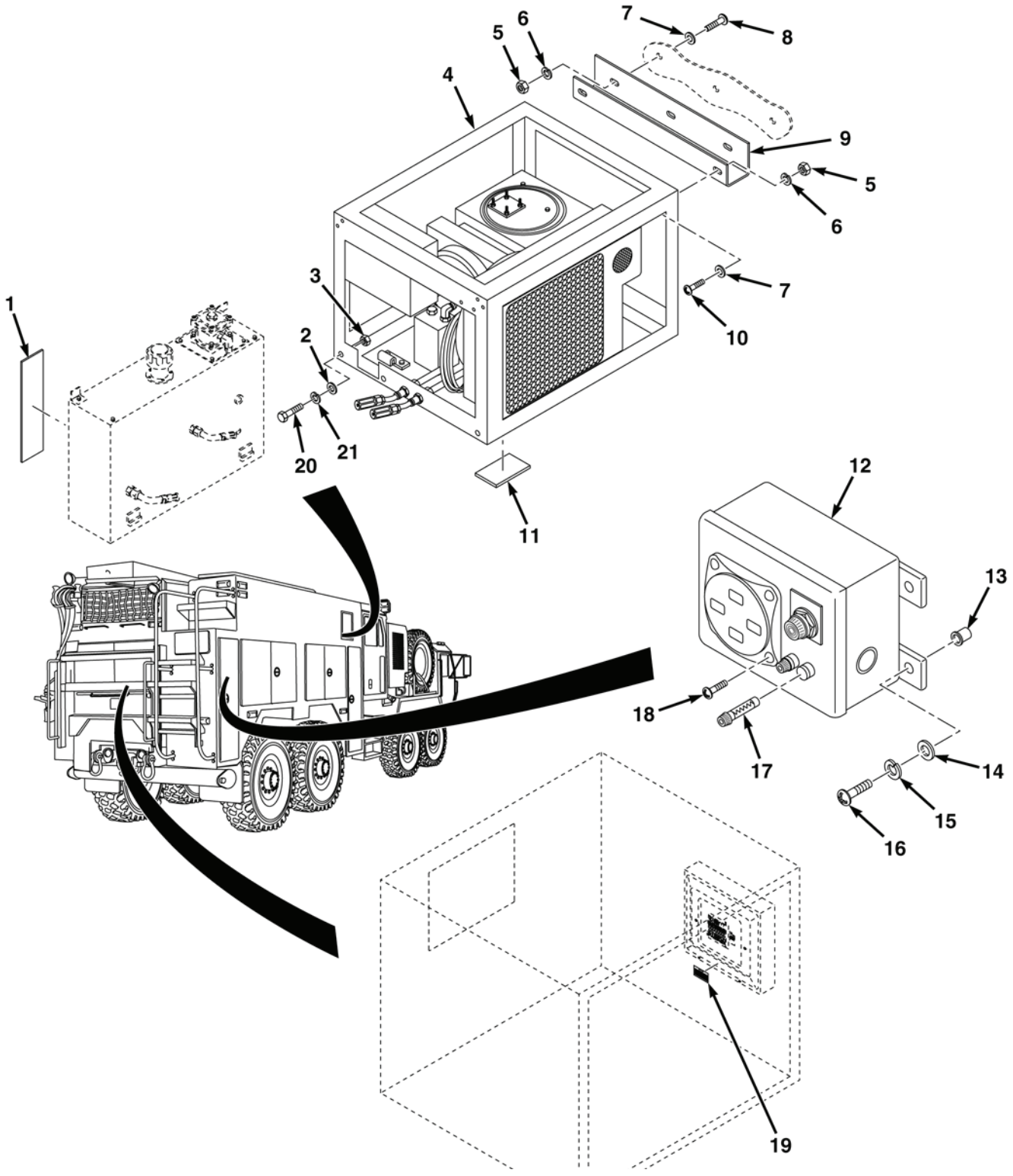


FIG. 175 GENERATOR ASSEMBLY INSTALLATION (1325750)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7653 GENERATOR	
					FIG. 175 GENERATOR ASSEMBLY INSTALLATION (1325750)	
1	MFFZZ		04664	CV0200-2	RUBBER,BLACK,13 IN. MAKE FROM P/N MILR3065GRSC615-125, CAGE 81349,APPROX 2 IN. LG.	2
2	PFFZZ	5310-01-480-4250	56976	20-103	WASHER,FLAT	3
3	PFFZZ	5310-01-154-3381	96046	4150	NUT	3
4	PFFFZ	6115-01-517-4958	04664	1324605	GENERATOR,DIRECT CU	1
5	PAFZZ	5310-01-054-4644	06032	2100-0123-001	NUT,PLAIN,HEXAGON 3/8-16	5
6	PAFZZ	5310-00-926-5877	96906	MS35338-160	WASHER,LOCK 3/8	5
7	PAFZZ	5310-00-087-7493	96906	MS27183-13	WASHER,FLAT 3/8	5
8	PAFZZ	5305-00-725-2317	80204	B1821BH038C150N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1 1/2	2
9	PFFZZ		04664	1355912	ANGLE,MOUNTING	1
10	PAFZZ	5305-00-068-0510	80204	B1821BH038C100N	SCREW,CAP,HEXAGON HEAD, 3/8-16 X 1	2
11	MFFZZ		04664	943125-3	STRIP,RUBBER MAKE FROM P/N SK60-16X3X50,CAGE 0ABC1,APPROX 3 IN. LG.	4
12	PAFZZ	6625-01-521-3923	54280	FROG-D	INDICATOR,DIGITAL D METER DIGITAL	1
13	PAFZZ	5325-01-414-7133	78276	ALS7-1024-225	INSERT,SCREW THREAD 10-24	4
14	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10	4
15	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	4
16	PAFZZ	5305-00-059-3661	80205	MS51958-65	SCREW,MACHINE 10-24 X 3/4	4
17	PAFZZ	5920-01-459-3847	81495	1223-299	FUSE,CARTRIDGE AGC-10	2
18	PAFZZ	5305-00-050-9226	96906	MS51957-60	SCREW,MACHINE 10-24 X 5/16	4
19	PAFZZ		04664	91-9023-0078	LABEL,AC SUPPLY SPE	1
20	PAFZZ	5305-01-470-0966	50024	21513725	SCREW,CAP,HEXAGON H	3
21	PAFZZ	5310-00-004-5033	80205	MS35338-46	WASHER,LOCK	3
					END OF FIGURE	

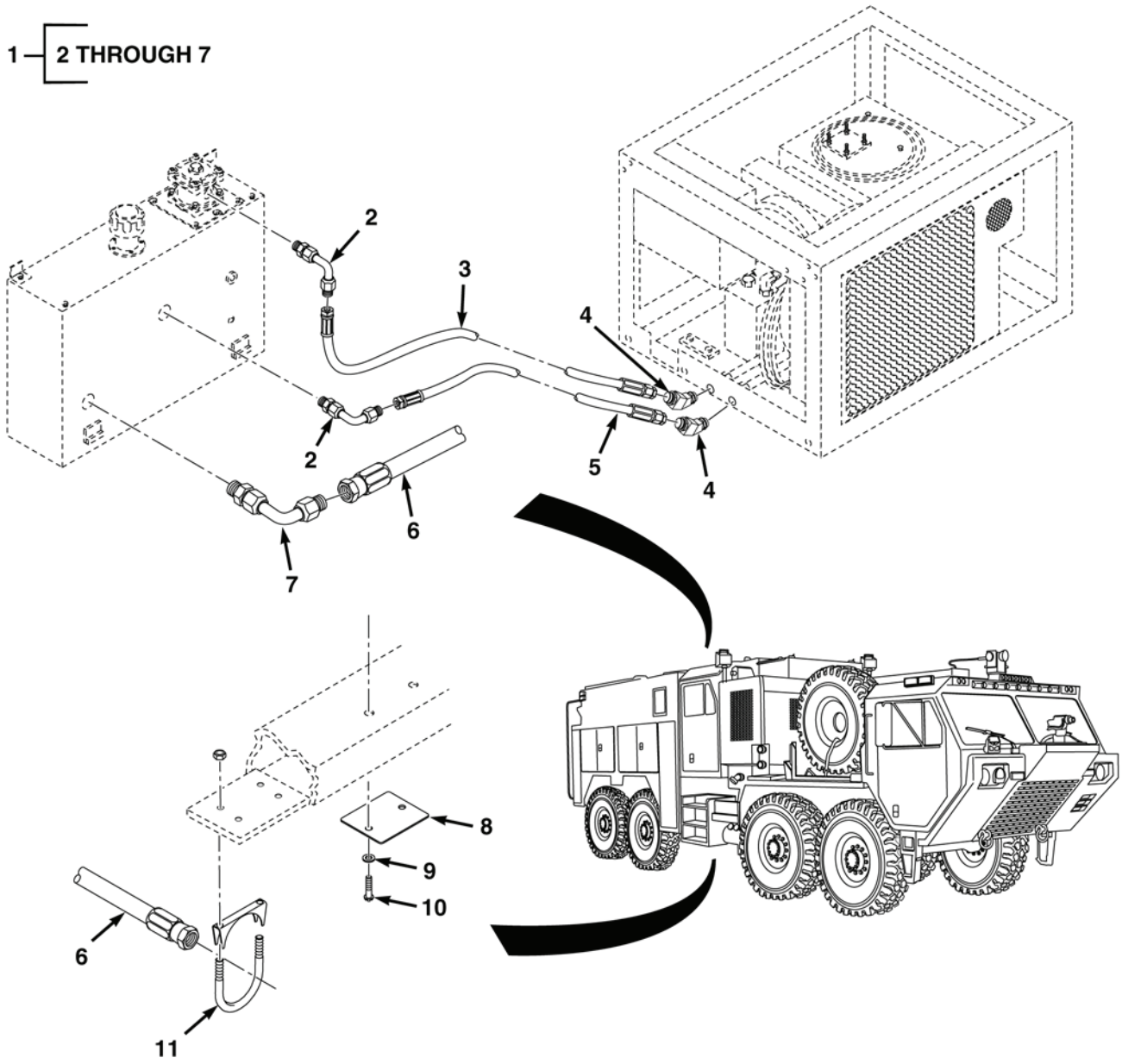


FIG. 176 HYDRAULIC GENERATOR LINES AND FITTINGS

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7653 GENERATOR	
					FIG. 176 HYDRAULIC GENERATOR LINES AND FITTINGS	
1	PAFZZ		04664	1556396	HOSE/FITTING KIT GENERATOR	1
2	PAFZZ	4730-01-195-3805	98441	39T3-8-8	. ELBOW,TUBE PART OF KIT P/N 1556396	2
3	PAFZZ	4720-01-516-9306	04664	1366268-0002	. HOSE ASSEMBLY,NONME PART OF KIT P/N 1556396	1
4	PAFZZ	4730-01-270-2477	30780	8V6X-S	. ELBOW,TUBE PART OF KIT P/N 1556396	2
5	PAFZZ	4720-01-516-9309	04664	1366268-0003	. HOSE ASSEMBLY,NONME PART OF KIT P/N 1556396	1
6	PAFZZ	4720-01-516-9308	04664	1366268-0001	. HOSE ASSEMBLY,NONME PART OF KIT P/N 1556396	1
7	PAFZZ	4730-00-313-0825	87373	39T3-16-16	. ELBOW,TUBE PART OF KIT P/N 1556396	1
8	PAFZZ		04664	1365743	TAG,GENERATOR OIL D.	1
9	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	2
10	PAFZZ	5305-00-855-0964	80205	MS24629-48	SCREW,TAPPING	2
11	PAFZZ	5306-01-367-9253	80205	NAS3104-10-10	BOLT,U	2
					END OF FIGURE	

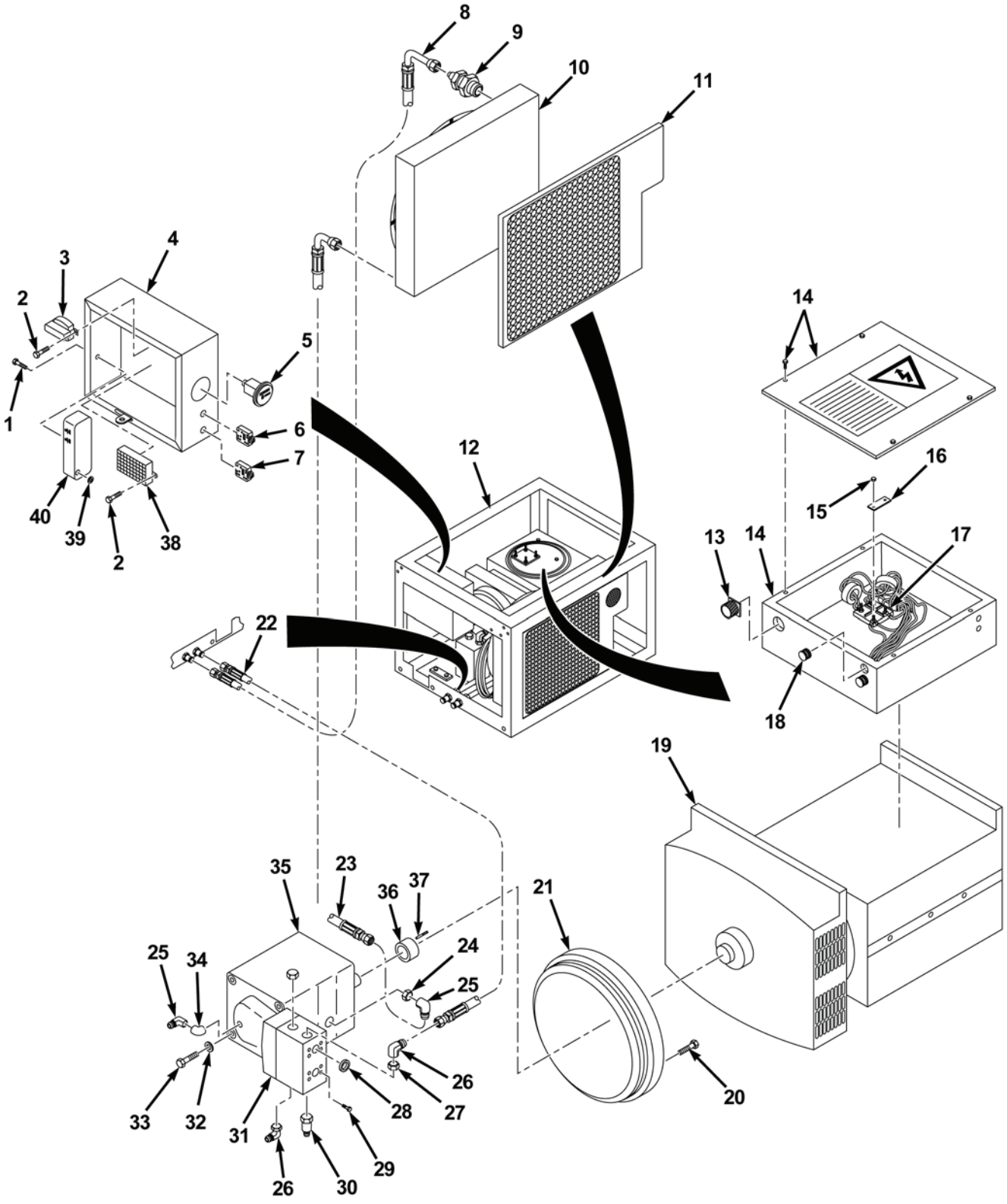


FIG. 177 HYDRAULIC GENERATOR

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7653 GENERATOR	
					FIG. 177 HYDRAULIC GENERATOR	
1	PAFZZ	5305-00-984-6224	80205	MS35206-237	SCREW,MACHINE 6-32 X 1 3/4	2
2	PAFZZ	5305-00-984-4992	80205	MS35206-232	SCREW,MACHINE 6-32 X 3/4	4
3	PAFZZ	5925-01-286-9299	77342	W58XB1A4A-30	CIRCUIT BREAKER 30 AMP	1
4	PFFZZ		74545	RSC080804	BOX,CONTROL	1
5	PAFZZ	6645-00-831-6826	81349	M3971/2-5	METER,TIME TOTALIZI	1
6	PAFZZ	5925-00-883-0090	77342	W58XB1A4A-3	CIRCUIT BREAKER 3 AMP	1
7	PAFZZ	5925-01-286-9299	77342	W58XB1A4A-30	CIRCUIT BREAKER 30 AMP	1
8	PAFZZ	4720-01-522-1439	3MRG5	CR08-36-48/50	HOSE ASSEMBLY,NONME MOTOR RETURN	1
9	PAFZZ	4730-01-160-8202	00624	221501-16-8S	REDUCER,TUBE	2
10	PFFZZ		3MRG5	WO560-2140	COOLER ASSEMBLY INC FAN ASSEMBLY	1
11	PFFZZ		3MRG5	BH550-1452	PANEL,FRONT	1
12	PFFZZ		3MRG5	BH550-1270	FRAME	1
13	PAFZZ	5975-01-518-1306	74545	SHC-1043	BOX CONNECTOR,ELECT	1
14	PFFZZ		3MRG5	BP560-6290	BOX,JUNCTION	1
15	PAFZZ	5310-01-201-1180	44114	1060-01-113	NUT,PLAIN,ROUND 6 MM X 1	4
16	PAHZZ	6150-01-519-5516	04664	130-20702	BUS,CONDUCTOR	1
17	PAHZZ	2920-01-520-7810	04664	130-20916	TERMINAL BLOCK,ELEC	1
18	PAFZZ	5975-01-207-0230	05574	SHC-1022	BOX CONNECTOR	2
19	XAFZZ		3MRG5	NWBCI-164D	GENERATOR 15.0 KW	1
20	PAFZZ	5305-00-990-0668	80205	MS16995-81	SCREW,CAP,SOCKET HEAD,3/8-16 X 1	8
21	PAHZZ	5340-01-519-3925	3MRG5	DT733-110	MOUNT,RESILENT,GENE	1
22	PAFZZ	4720-01-521-9587	3MRG5	CR08-7-48/81	HOSE ASSEMBLY,NONME MOTOR CASE	1
23	PAFZZ	4720-01-522-1349	3MRG5	CR08-14-48/39	HOSE ASSEMBLY,NONME COOLER OUT	1
24	PAFZZ	4730-00-186-3845	81343	10-8 070120CA	ADAPTER,STRAIGHT,TU TUBE TO BOSS	1
25	PAFZZ	4730-00-023-5163	81343	8-8 070221C	ELBOW,TUBE	2
26	PAFZZ	4730-01-088-9643	81343	8-12 070220CA	ELBOW,TUBE TO BOSS	2
27	PAFZZ	4820-01-518-0996	005K6	CV10-23-0-N-5	VALVE,CHECK	1
28	PAFZZ	5330-01-331-2063	77445	2-214	PACKING,PREFORMED	2
29	PAFZZ		80205	NAS1352-6-56	SCREW,CAP,SOCKET HE 1/4-20 X 1	8
30	PAFZZ	4820-01-518-0983	005K6	RV50-22A-0-P-50/45	VALVE,SAFETY RELIEF	1
31	PAFZZ	4730-01-522-1657	3MRG5	W0702-618A	MANIFOLD ASSEMBLY,H	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
32	PAFZZ	5310-00-584-5272	80205	MS35338-48	WASHER,LOCK 1/2	4
33	PAFZZ	5305-00-071-2070	80204	B1821BH050C175N	SCREW,CAP,HEXAGON HEAD, 1/2-13 X 1 3/4	4
34	PAFZZ	4730-01-156-4835	01276	213-202702-8-8	ADAPTER,STRAIGHT,TU	1
35	PAHZZ	2540-01-519-8144	04664	1778701	MOTOR,HYDRAULIC 30 CC	1
36	PAFZZ	5365-01-520-7402	3MRG5	DT733-155	SPACER,SLEEVE	1
37	PAHZZ	5315-01-519-4148	3MRG5	DF110-3088	PIN,STRAIGHT,THREAD	5
38	PAHZZ	5920-01-520-5328	3MRG5	MN264-3	FUSEHOLDER,BLOCK	1
39	PAFZZ	5310-00-934-9747	80205	MS35649-262	NUT,PLAIN,HEXAGON 9/64-32	1
40	PAFZZ	6110-01-518-6040	97520	VR63-4C/UL	REGULATOR,VOLTAGE	1

END OF FIGURE

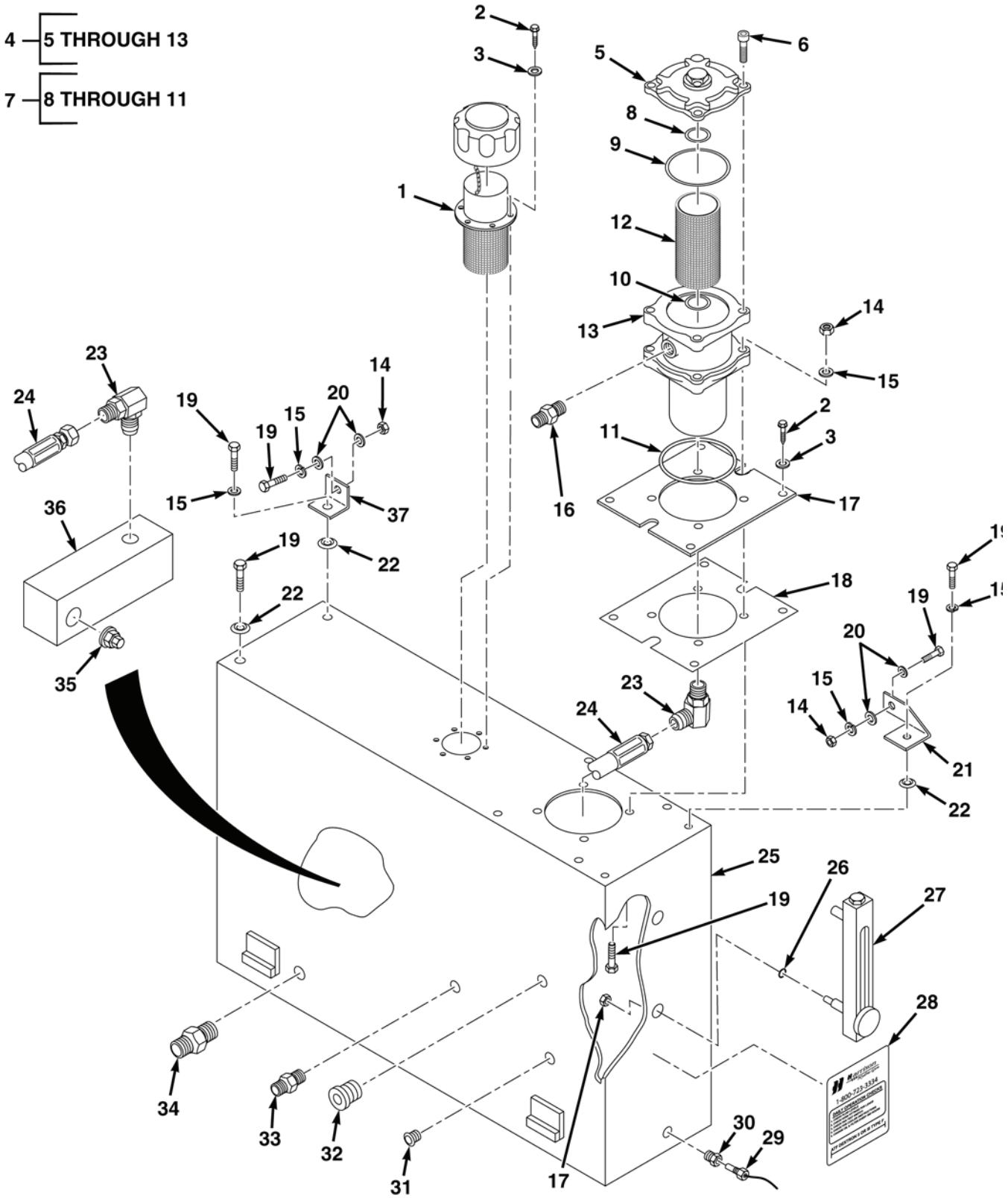


FIG. 178 HYDRAULIC GENERATOR RESERVOIR

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7653 GENERATOR	
					FIG. 178 HYDRAULIC GENERATOR RESERVOIR	
1	PAFZZ	2590-01-294-6075	97576	57XL-40	FILLER NECK,VEHICUL	1
2	PAFZZ	5305-01-021-2520	96906	MS51869C15	SCREW,TAPPING #10 X .750	10
3	PAFZZ		0Y3H3	33163	WASHER,SEAL #10	10
4	PAFZZ	2940-01-519-0690	1FLG9	RFBN3HC110DC10A 1.0/12	FILTER,FLUID	1
5	XAFZZ	2940-01-519-0690	1FLG9	RFBN3HC110DC10A 1.0/12	. FILTER,FLUID HEAD,3/16-32 X 21/32	1
6	PAFZZ	5305-00-983-6670	96906	MS16998-58	. SCREW,CAP,SOCKET .312-24 X .875	4
7	PAFZZ	5330-01-542-3232	59793	0206 2121	. PARTS KIT,SEAL REPLACEMENT, MECHANICAL EQUIPMENT	1
8	XAFZZ		59793	0206 2121XA1	. . O-RING 18 X 2.5 BUNA O-RING	1
9	XAFZZ		59793	0206 2121XA2	. . O-RING 63.09 X 3.53 BUNA O-RING	1
10	XAFZZ		59793	0206 2121XA3	. . O-RING 22 X 3.5 BUNA O-RING	1
11	XAFZZ		59793	0206 2121XA4	. . O-RING 82.14 X 3.53 BUNA O-RING	1
12	PAFZZ	4330-01-423-6207	59793	02055990	. FILTER ELEMENT,FLUI 5/16	1
13	XAFZZ	2940-01-519-0690	1FLG9	RFBN3HC110DC10A 1.0/12	. FILTER,FLUID 1/4-20	1
14	PAFZZ	5310-00-761-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON .25-20 UNC	4
15	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK .25	8
16	PAFZZ	4730-00-627-2017	96906	MS51500A8-12S	ADAPTER,STRAIGHT,PI TUBE TO PIPE	1
17	PAHZZ	5340-01-519-0767	1FLG9	MT550-600	COVER,ACCESS	1
18	PAHZZ	5330-01-519-3918	3MRG5	CT619-569	GASKET	1
19	PAFZZ	5305-00-225-3843	80204	B1821BH025C100N	SCREW,CAP,HEXAGON .25-20 X 1.00	10
20	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	4
21	PFFZZ		3MRG5	BP560-3010	BRACKET,FRONT	1
22	PAFZZ	5310-01-519-4149	39428	94708A413	WASHER,SEAL	2
23	PAFZZ	4730-01-088-9643	81343	8-12 070220CA	ELBOW,TUBE TO BOSS	2
24	PAFZZ	4720-01-521-0979	3MRG5	08-21-48/48	HOSE ASSEMBLY,NONME	1
25	PFFZZ		3MRG5	BH560-1000	TANK	1
26	PAFZZ	5331-01-179-2860	45543	114-78-00-00	O-RING	2
27	PAFZZ	6680-01-343-5861	24346	G620-05-A-1	INDICATOR,SIGHT,LIQ	1
28	PAFZZ		3MRG5	LG3.5X4	DECAL	1
29	PAFZZ		3MRG5	FR-0	SENSOR,AMBIENT TEMP	1
30	PAFZZ	4730-00-729-4930	30780	1-2X1-8PTRS	BUSHING,PIPE	1
31	PAFZZ	4730-01-520-7433	01276	2222-8S	PLUG,PIPE 1/2 IN	2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
32	PAFZZ	4730-00-809-9427	96906	MS51500A8-8	ADAPTER,STRAIGHT,PI .750	1
33	PAFZZ	4730-00-809-9427	96906	MS51500A8-8	ADAPTER,STRAIGHT,PI PIPE TO TUBE	1
34	PAFZZ	4730-00-930-5392	96906	MS51525A16	ADAPTER,STRAIGHT,TU TUBE TO BOSS	1
35	PAFZZ	4820-01-388-5238	8Z296	3C80-S	VALVE,CHECK	1
36	PAHZZ	4730-01-520-7107	04664	W0990-5640	MANIFOLD ASSEMBLY,H	1
37	PAFZZ	4730-21-920-9834	36621	68PMT-4-4	ADAPTER,STRAIGHT,PI TUBE TO PIPE	1
38	PAFZZ	5305-00-071-2511	80204	B1821BH025C200N	SCREW,CAP,HEXAGON HEAD, 1/4-20 X 2	2
39	PFFZZ		3MRG5	BP560-3000	BRACKET,REAR	1

END OF FIGURE

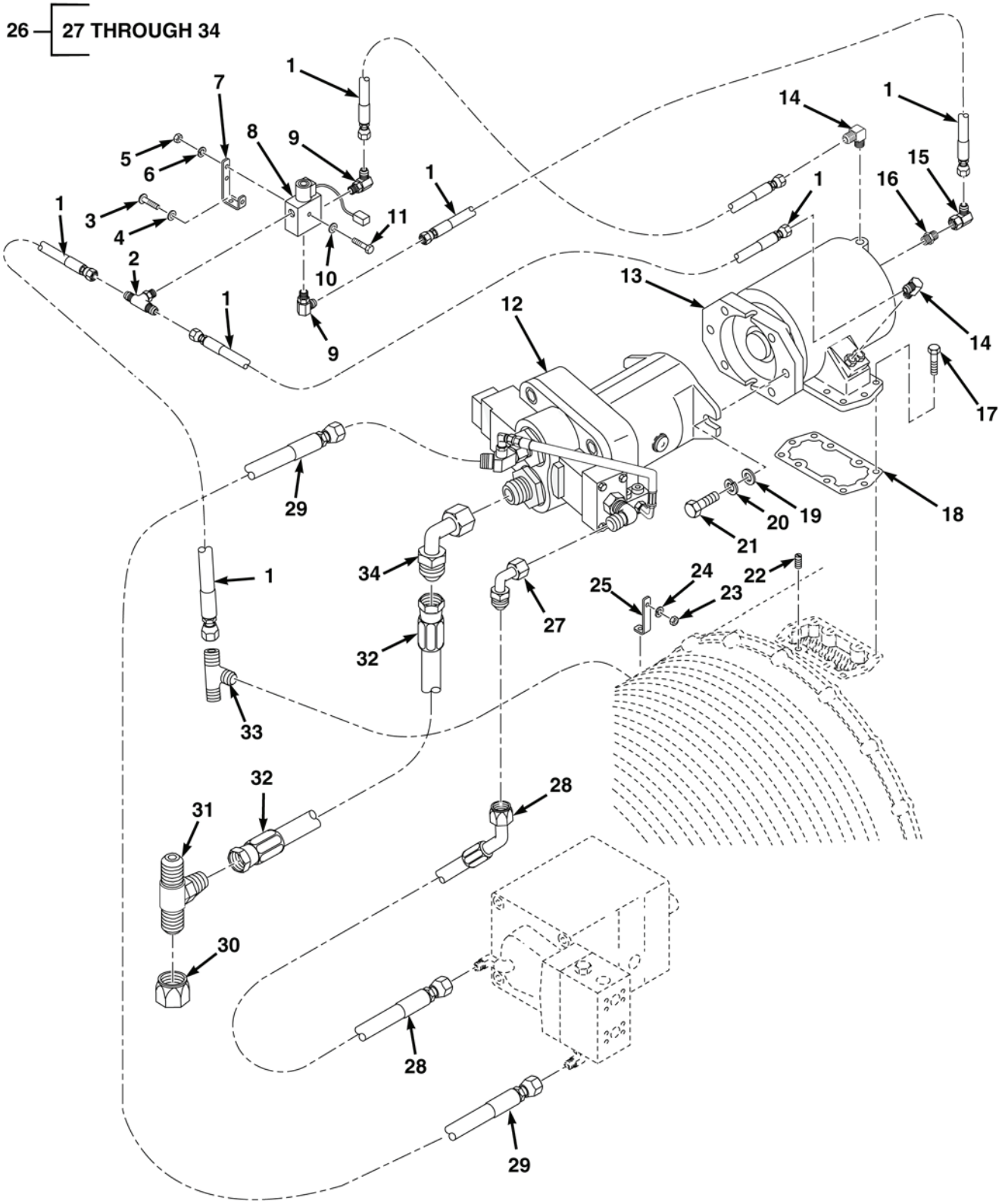


FIG. 179 PTO/HYDRAULIC GENERATOR PUMP

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7653 GENERATOR FIG. 179 PTO/HYDRAULIC GENERATOR PUMP	
1	PAFZZ	4720-01-518-5413	06495	43T36274	HOSE ASSEMBLY NONMETALLIC	4
2	PAFZZ	4730-01-518-3650	06495	43T36231	TEE	1
3	PAFZZ	5305-00-988-1727	80205	MS35206-283	SCREW,MACHINE .25-20 X 1.00	1
4	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	1
5	PAFZZ	5310-00-208-1918	88044	AN365-1024A	NUT,SELF-LOCKING 10-24	2
6	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK 10	2
7	PFFZZ		04664	1283583	BRACKET,PTO SOLENOID VALVE	2
8	PAFZZ	4810-01-521-7626	06495	35T37967	VALVE ASSEMBLY MANIFOLD	1
9	PAFZZ	4730-01-518-5381	06495	43M68014	ELBOW,PIPE TO BOSS	3
10	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 10	2
11	PAFZZ	5306-00-823-5861	96906	MS20074-03-34	BOLT,MACHINE 10-24 X 3.50	2
12	PAFZZ	4320-01-518-2441	04664	1347146	PUMP,HYDRAULIC	1
13	PAFZZ	2520-01-517-5292	06495	CS20-A1007-J3PX	DRIVE UNIT,HYDRAULI	1
14	PAFZZ	4730-01-521-7630	06495	43T35867	ELBOW,PIPE TO TUBE	2
15	PAFZZ	4730-01-159-0140	30780	4C6XSS	ELBOW,TUBE	1
16	PAFZZ	4730-01-518-5380	06495	43T37503	ADAPTER,STRAIGHT FLUID,1/8	1
17	PAFZZ	5305-01-517-2866	06495	19T35778	SCREW,CAP,SOCKET HE	8
18	PAFZZ	5330-01-517-2830	06495	13T35777	GASKET	1
19	PAFZZ	5310-00-809-5997	96906	MS27183-17	WASHER,FLAT .500	2
20	PAFZZ	5310-00-584-5272	80205	MS35338-48	WASHER,LOCK .500	2
21	PAFZZ	5305-00-732-0511	80204	B1821BH050C113N	SCREW,CAP,HEXAGON .500-13 X 1.125	2
22	PAFZZ	5315-01-517-2837	06495	20T35779	PIN,STRAIGHT,THREAD	2
23	PAFZZ	5310-00-761-6882	96906	MS51967-2	NUT,PLAIN,HEXAGON .25-20	1
24	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	1
25	PFFZZ		04664	1288504	BRACKET,WIRE HARNES	1
26	PAFZZ		04664	1556398	HOSE/FITTING GROUP GENERATOR	1
27	KFFZZ	4730-00-313-0820	98441	39T3-08-08	. ELBOW,TUBE PART OF KIT P/N 1556398	1
28	KFFZZ		04664	1556398-316	. HOSE ASSEMBLY,NONME PART OF KIT P/N 1556398	1
29	KFFZZ		04664	1556398-304	. HOSE ASSEMBLY,NONME PART OF KIT 1556398	1
30	KFFZZ	4730-01-517-8527	30780	16FNTX	. CAP,TUBE PART OF KIT P/N 1556398	1
31	KFFZZ	4730-01-517-8526	93061	16WJTX-WLN-S	. TEE,TUBE PART OF KIT P/N 1556398	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
32	KFFZZ		04664	1556398-174	. HOSE ASSEMBLY,NONME PART OF KIT P/N 1556398	1
33	KFFZZ	4730-00-618-5382	96906	MS51523A4	. TEE,TUBE PART OF KIT P/N 1556398 .	1
34	KFFZZ	4730-00-313-0825	87373	39T3-16-16	. ELBOW,TUBE PART OF KIT P/N 1556398	1

END OF FIGURE

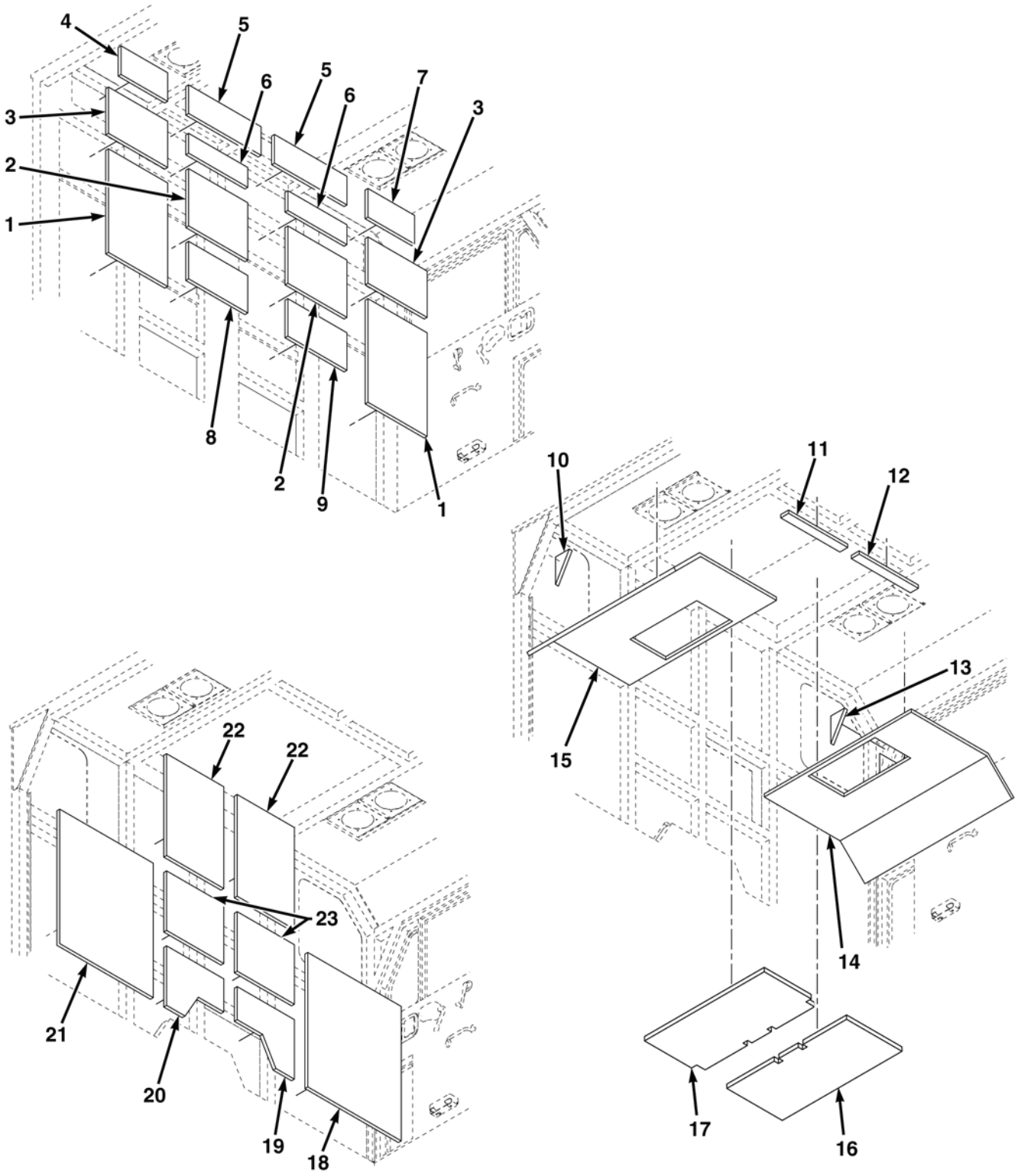


FIG. 180 CREW CAB INSULATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7655 MISCELLANEOUS WINTERIZATION EQUIPMENT	
					FIG. 180 CREW CAB INSULATION	
1	PFFZZ		04664	1223158	INSULATION-F	2
2	PFFZZ		04664	1223156	INSULATION-E	2
3	PFFZZ		04664	1223153	INSULATION-C	2
4	PFFZZ		04664	1223150	INSULATION-A	1
5	PFFZZ		04664	1223151	INSULATION-B	2
6	PFFZZ		04664	1223155	INSULATION-D	2
7	PFFZZ		04664	1361177	INSULATION-U	1
8	PFFZZ		04664	1223159	INSULATION-G	1
9	PFFZZ		04664	1237885	INSULATION-Q	1
10	PFFZZ		04664	1223167	INSULATION-L	1
11	PFFZZ		04664	1223163	INSULATION-J	1
12	PFFZZ		04664	1223161	INSULATION-I	1
13	PFFZZ		04664	1223164	INSULATION-K	1
14	PFFZZ		04664	1361175	INSULATION-T	1
15	PFFZZ		04664	1223160	INSULATION-H	1
16	PFFZZ		04664	1392149	INSULATION-W	1
17	PFFZZ		04664	1392148	INSULATION-V	1
18	PFFZZ		04664	1361178	INSULATION-O	1
19	PFFZZ		04664	1223173	INSULATION-S	1
20	PFFZZ		04664	1223172	INSULATION-R	1
21	PFFZZ		04664	1223170	INSULATION-N	1
22	PFFZZ		04664	1223169	INSULATION-M	2
23	PFFZZ		04664	1223171	INSULATION-P	2
					END OF FIGURE	

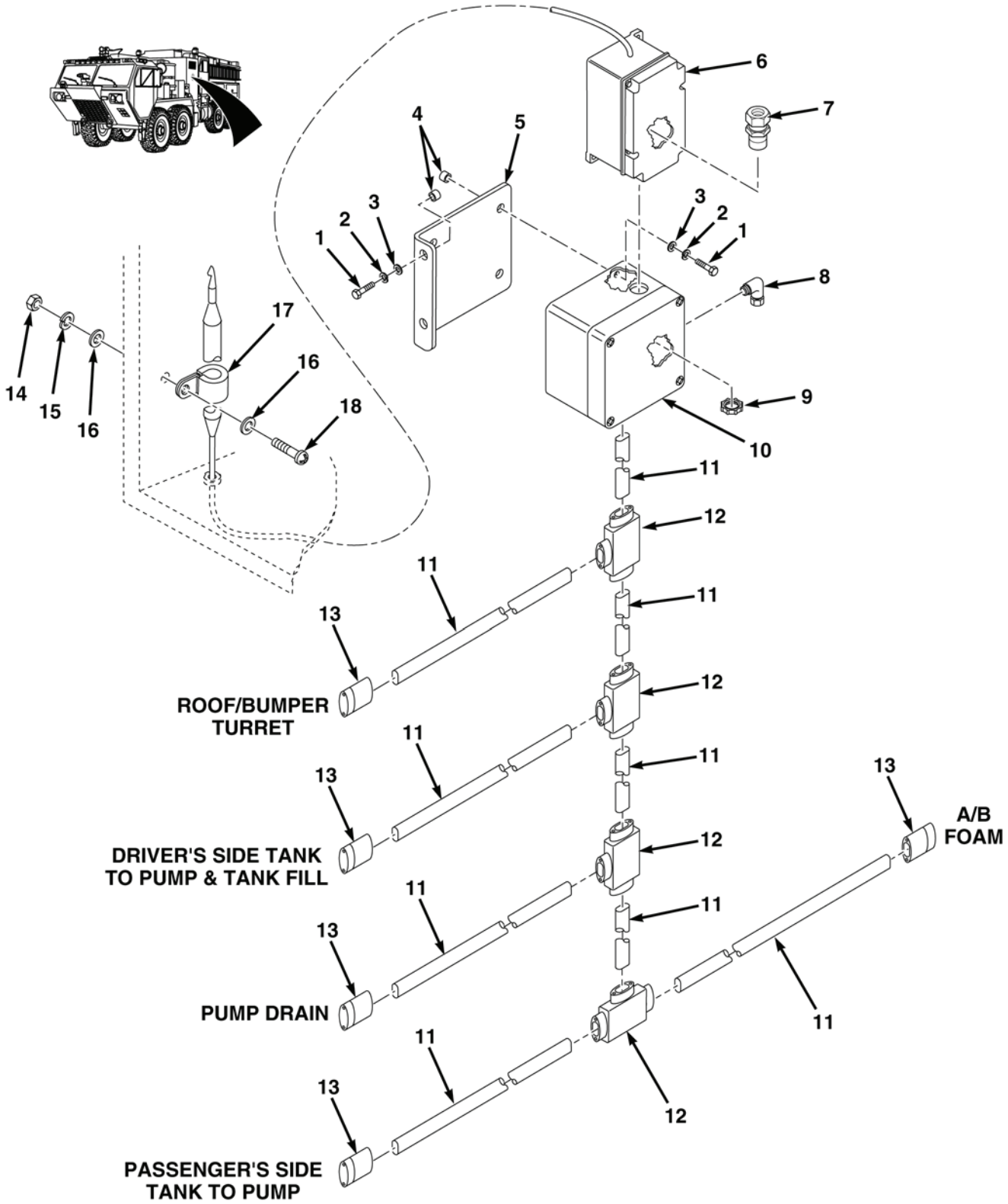


FIG. 181 HEAT TRACE SYSTEM INSTALLATION

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7655 MISCELLANEOUS WINTERIZATION EQUIPMENT	
					FIG. 181 HEAT TRACE SYSTEM INSTALLATION	
1	PAFZZ	5305-00-071-1318	96906	MS51957-83	SCREW,MACHINE 1/4-20 X 1	6
2	PAFZZ	5310-00-823-8804	96906	MS27183-9	WASHER,FLAT 1/4	6
3	PAFZZ	5310-00-883-9417	80205	MS35338-158	WASHER,LOCK 1/4	6
4	PAFZZ	5325-01-394-2414	78276	ALS7-420-165	INSERT,SCREW THREAD 1/4-20	6
5	PFFZZ		04664	1346483	BRACKET,THERMO HEAT	1
6	PAFZZ	5930-01-517-6020	00779	AMC-F5	SWITCH,THERMOSTATIC SENSING	1
7	PAFZZ	5975-01-464-9164	39428	7119K73	BOX CONNECTOR,ELECT	1
8	PAFZZ	5975-01-464-8195	39428	7119K83	BOX CONNECTOR,ELECT ELECTRICAL	1
9	PAFZZ	5975-00-816-9617	05500	324	BUSHING,ELECTRICAL ELECTRICAL CONDUIT	2
10	PFFZZ		06090	085947-000	BOX,JUNCTION	1
11	PAFZZ	4540-01-342-1648	06090	10BTV1-CR 110/ 115VAC	HEATING ELEMENT,ELE ELECTRICAL,IMMERSION	9
12	PAFZZ	5940-01-518-1036	06090	PMKG-LT	TERMINAL BOX	4
13	PAFZZ	5940-01-518-2830	06090	E-150	COVER,TERMINAL	5
14	PAFZZ	5310-00-934-9758	80205	MS35649-202	NUT,PLAIN,HEXAGON 1/4-20	1
15	PAFZZ	5310-00-045-3296	80205	MS35338-43	WASHER,LOCK #10	1
16	PAFZZ	5310-00-765-3197	96906	MS27183-41	WASHER,FLAT 3/16	1
17	PAFZZ	5340-00-843-7825	80205	MS21333-68	CLAMP,LOOP	1
18	PAFZZ	5305-00-984-6214	80205	MS35206-267	SCREW,MACHINE 10-24 X 1	1
					END OF FIGURE	

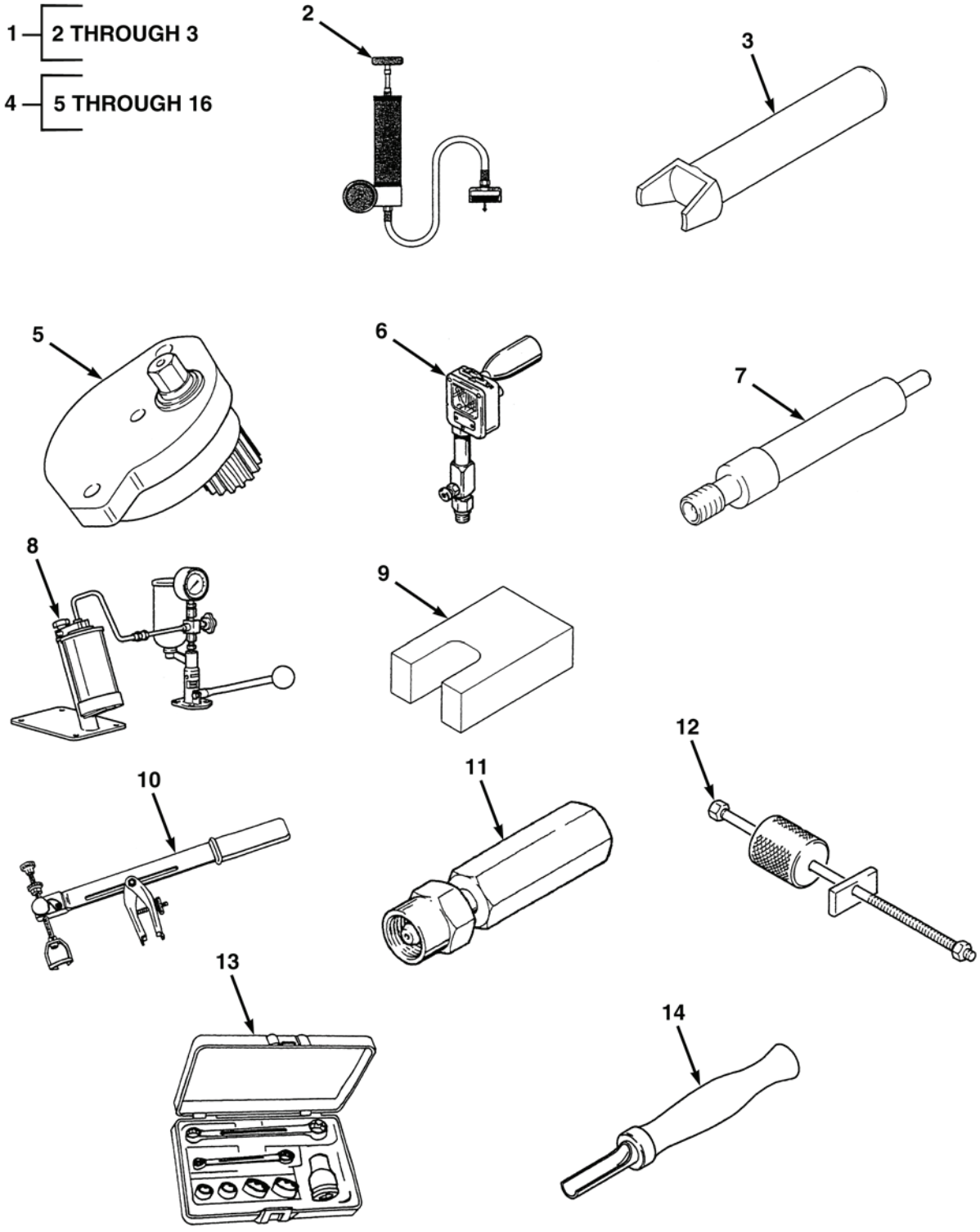


FIG. 182 DEUTZ SPECIAL TOOLS (SHEET 1 OF 2)

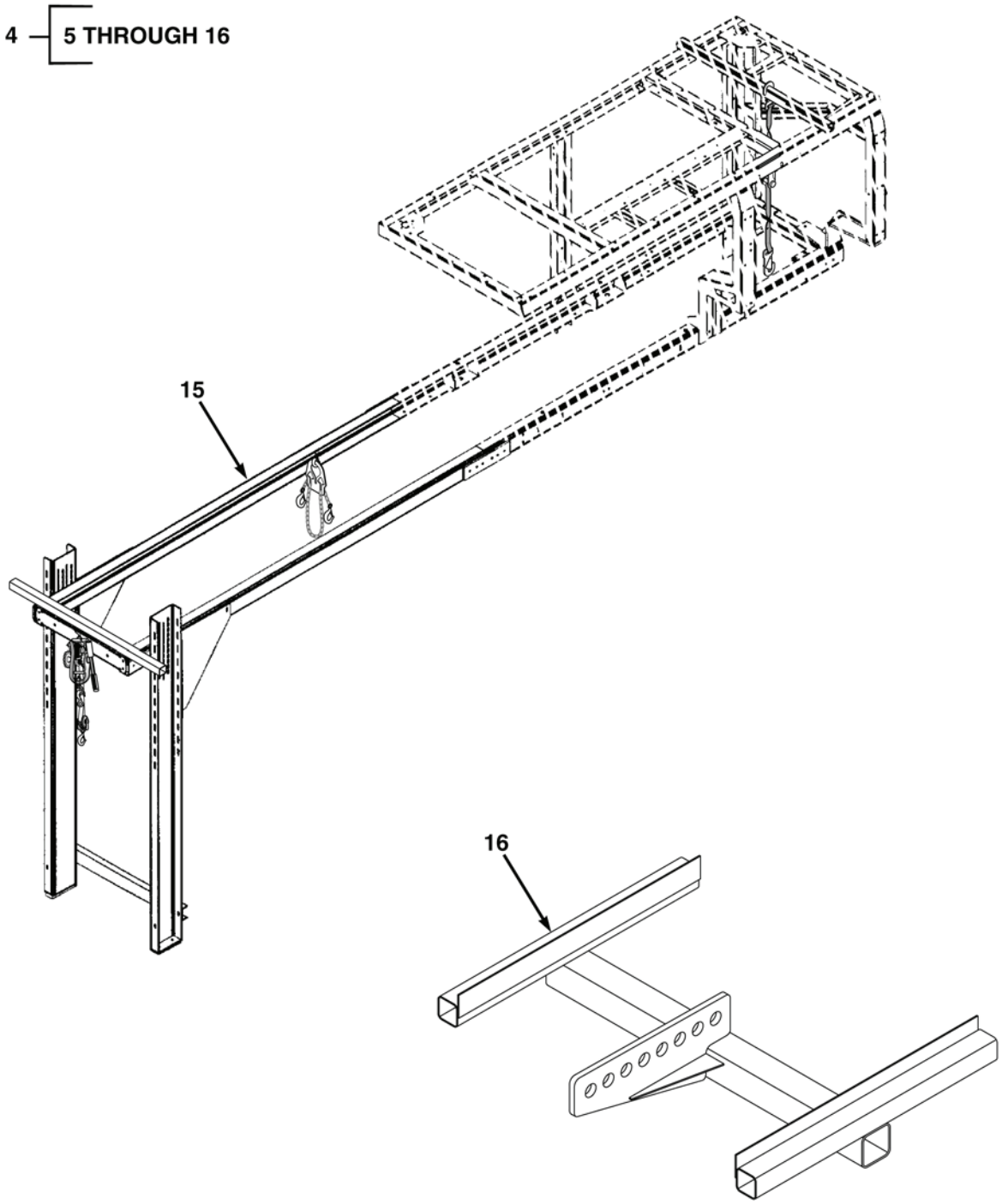


FIG. 182 DEUTZ SPECIAL TOOLS (SHEET 2 OF 2)

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 7655 MISCELLANEOUS WINTERIZATION EQUIPMENT	
					FIG. 182 DEUTZ SPECIAL TOOLS	
1	PEFZZ	5180-01-523-0258	19207	57K4731	TEST KIT,COOLING SY SUPPORT	1
2	PEFZZ	4910-12-362-8034	D8400	8002	. TEST SET,SEAL COOLING SYSTEM. .	1
3	PEFZZ	5120-12-363-0107	D8400	170090	. WRENCH,SPANNER COOLANT THERMOSTAT	1
4	PEFZZ	5180-01-518-2408	19207	57K4732	TOOL KIT,GENERAL ME SUPPORT . . .	1
5	PEFZZ	4910-12-365-3274	D8400	100320	. FIXTURE,VEHICULAR M	1
6	PEFZZ	6625-01-324-3625	62445	0301056	. METER,SPECIAL SCALE	1
7	PEFZZ	4910-12-355-6401	D8400	100110	. ADAPTER,CYLINDER CO COMPRESSION TESTER	1
8	PEFZZ	4910-12-344-4610	D8400	3202	. TESTER,DIESEL FUEL NOZZLE	1
9	PEFZZ	5120-12-362-8542	D8400	110110	. WEDGE,SPECIAL	1
10	PEFZZ	5120-01-518-8411	80244	030-1088	. COMPRESSOR,VALVE SP ASSEMBLY	1
11	PEFZZ	5120-01-247-6131	62445	003-0463	. PULLER,MECHANICAL	1
12	PEFZZ	5120-01-333-3140	62445	0030536	. EXTRACTOR,INJECTOR	1
13	PEFZZ	5120-12-333-7782	D8400	8189	. WRENCH SET,SOCKET	1
14	PEFZZ	5120-12-362-8340	D8400	9115	. REMOVER,ELECTRICAL GLOW PLUG CABLE	1
15	PEFZZ	4910-01-517-3334	04664	1397589	. STAND,MAINTENANCE,A DEUTZ	1
16	PEFZZ	2540-01-518-4843	75404	33310-01	. LIFTING BEAM CUSTOM	1
					END OF FIGURE	

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

FUNCTION GROUP CODE 94 - REPAIR KITS

			Figure	Page
GROUP 94	**REPAIR KITS**			
	9401	**KITS**		
		KITS	NA	0616-2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 9401 KITS	
1	PAFZZ		62534	RD-11-0155-OP	KIT,TRIM.	1
					END OF FIGURE	

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

FUNCTION GROUP CODE 95 - GENERAL USE STANDARDIZED PARTS

			Figure	Page
GROUP 95	**GENERAL USE STANDARDIZED PARTS**			
	9501	**BULK MATERIAL**		
		BULK.	NA	0617-2

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 9501 BULK MATERIAL	
1	PAFZZ		45152	59747AX-82	SEAL,NONMETALLIC SP	1
2	PAFZZ		04664	1437880-108	SEAL,DOOR,D-SECTION	1
3	PAFZZ	5330-01-517-4840	56329	1085-3017	SEAL,NONMETALLIC SP	1
4	PAFZZ	5330-01-394-8346	45152	2050690	RUBBER STRIP	1
5	PAFZZ		04664	1152258-190	SEAL,DOOR.	1
6	PAFZZ	5680-01-167-1137	45152	26927AX	WEATHER STRIP	1
7	PAFZZ	4720-01-003-6706	45152	31270AX	HOSE,NONMETALLIC	1
8	PAFZZ	9330-00-213-3275	52152	4508	PLASTIC STRIP	1
9	PAFZZ		56329	4813	SEAL,DOOR.	1
10	PAFZZ	4720-01-518-3643	0CME1	580004191	HOSE,NONMETALLIC	1
11	PAFZZ	4720-00-993-6168	98441	611-6	HOSE,NONMETALLIC	1
12	PAFZZ		04664	640047	CABLE ASSEMBLY,SPEC	1
13	PAFZZ		04664	640201	CABLE ASSEMBLY,SPEC	1
14	PAFZZ	5970-01-293-9070	1JB11	67588-R	INSULATION SLEEVING	1
15	PAFZZ	9320-00-491-5351	98882	70-17-30	RUBBER STRIP	1
16	PAFZZ	2590-01-225-2503	82654	75000343	BEZEL,AUTOMOTIVE	1
17	PAFZZ	4720-00-922-5136	04627	79510	HOSE,NONMETALLIC	1
18	PAFZZ	4720-00-433-8887	87373	801-12	HOSE,NONMETALLIC	1
19	PAFZZ		04664	931083	TUBING,NONMETALLIC	1
20	PAFZZ		04664	943005	SEAL,DOOR,RUBBER.	1
21	PAFZZ	4720-01-132-7124	0FW39	A52426-1C BULK	HOSE,NONMETALLIC	1
22	PAFZZ	4720-01-518-2445	00624	FC647-6GRN	HOSE,NONMETALLIC	1
23	PAFZZ	4210-01-518-5322	87373	FS-F-32	SHEATH,FIRE HOSE	1
24	PAFZZ	5975-01-522-0910	4W026	LQC3/8	CONDUIT,METAL,FLEXI	1
25	PAFZZ	5330-01-111-2281	34623	MB284A-20004	RUBBER SEAL	1
26	PAFZZ	9320-01-048-2928	81349	MILR3065GRSC615-125	RUBBER SHEET,SOLID	1
27	PAFZZ	4720-01-518-2482	61424	NBR-6-075	TUBING,NONMETALLIC	1
28	PAFZZ	4720-01-182-9067	01276	NT10006BK100	TUBING,NONMETALLIC	1
29	PAFZZ	5330-01-517-4850	1B6H7	NYLGS031X24X24	SEAL,NONMETALLIC ST.	1
30	PAFZZ	4720-01-364-4441	98441	PFT-4A-BLU	TUBING,NONMETALLIC	1
31	PAFZZ	4720-01-294-7228	61424	PFT-4A-RED	TUBING,NONMETALLIC	1
32	PAFZZ		0ABC1	SK60-08X3X50	STRIP,RUBBER	1
33	PAFZZ		0ABC1	SK60-16X3X50	STRIP,RUBBER	1

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
34	PAFZZ		0ABC1	SK60-24X3X50	STRIP,RUBBER	1
35	PAFZZ	4720-01-518-2489	29907	TYVY-5812-50	TUBING,NONMETALLIC	1

END OF FIGURE

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

RPSTL NSN INDEX

NATIONAL STOCK NUMBER	FIG.	ITEM
5306-00-001-4766	143	3
5310-00-001-9833	58	18
	68	18
5310-00-003-9264	126	7
5310-00-004-5033	6	37
	11	20
	166	5
	168	37
	170	41
	173	17
	175	21
5305-00-006-8283	158	7
5306-00-012-6452	11	2
4730-00-012-7951	2	17
	45	19
5305-00-017-5198	58	25
5310-00-019-0669	37	4
	84	7
	159	8
6240-00-019-3141	67	2
5305-00-021-3668	68	6
4730-00-023-5163	177	25
5310-00-027-2022	143	4
5310-00-044-3333	58	19
4730-00-044-4689	114	7
	168	44
6240-00-044-6914	70	7
	71	4
5310-00-045-3296	5	10
	9	22
	55	29
	61	7
	66	2
	67	9
	73	5
	75	5
	85	7

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-00-045-3296	116	6
	121	3
	122	6
	136	12
	137	14
	138	11
	138	22
	146	13
	156	9
	162	15
	163	17
	170	20
	175	15
	179	6
	181	15
5305-00-050-9226	85	18
	121	7
	138	2
	146	10
	175	18
5305-00-050-9227	58	4
	81	10
	144	2
5305-00-050-9229	44	3
	45	15
	55	4
	56	2
	58	5
	73	6
	77	5
	82	9
	83	10
	159	1
5305-00-050-9230	131	6
	150	7
5305-00-050-9231	75	8
	121	9

NATIONAL STOCK NUMBER	FIG.	ITEM
5305-00-050-9231	142	17
	162	16
	173	4
5305-00-050-9233	172	7
5305-00-051-0837	136	25
5305-00-051-0852	174	4
5305-00-051-2325	123	6
5305-00-052-5925	157	1
5305-00-052-6871	84	2
5305-00-052-6872	50	24
5305-00-052-6878	52	6
5305-00-052-6911	76	14
	85	8
	136	14
	163	34
5310-00-052-9668	60	14
5310-00-053-8390	59	5
5305-00-054-5652	70	9
5305-00-054-6670	83	21
5305-00-054-9226	76	12
5305-00-057-9596	85	9
5305-00-057-9600	134	5
5305-00-057-9602	70	3
5305-00-057-9621	121	11
	122	5
	162	22
5310-00-058-3135	59	6
5305-00-059-3661	6	1
	39	12
	56	13
	57	6
	58	35
	61	2
	70	8
	71	3
	83	8
	116	3
	139	27
	150	12
	175	16
5310-00-060-9242	147	3
	163	9
5305-00-061-0266	68	5
	68	17
	68	20
5305-00-068-0501	3	11
5305-00-068-0502	9	27
	48	22
	53	10
	58	12
	66	5
	74	4
	81	20
	82	2
	119	112
	124	10
	125	1
	163	35
5305-00-068-0509	6	40
	10	24
	42	8
	133	4
	139	25
	163	45
5305-00-068-0510	10	37
	11	18
	54	16
	163	13
	166	3
	167	16
	169	8
	170	8
	173	22
	173	32
	175	10
5305-00-068-9167	146	7
4730-00-068-9641	172	9
5305-00-071-1315	140	11
	159	13
5305-00-071-1316	46	6
5305-00-071-1318	10	30
	136	4
	181	1
5305-00-071-1786	83	4

NATIONAL STOCK NUMBER	FIG.	ITEM
5305-00-071-1788	142	61
5305-00-071-2055	84	13
	117	1
5305-00-071-2056	37	2
5305-00-071-2070	177	33
5305-00-071-2071	140	13
	142	10
5305-00-071-2086	121	18
	122	1
	162	27
	165	5
5305-00-071-2509	163	43
5305-00-071-2511	6	41
	18	18
	49	9
	117	8
	121	44
	135	5
	178	38
5305-00-071-2513	2	6
	6	49
	138	13
	170	13
5305-00-071-2514	53	18
5310-00-080-6004	54	18
	139	4
	166	2
	170	5
5310-00-081-4219	173	25
5305-00-082-6721	8	14
	43	13
	121	36
5310-00-087-4652	10	7
	11	9
	42	4
5310-00-087-7493	9	10
	10	2
	19	4
	20	2
	22	21
	36	21
	41	18

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-00-087-7493	42	10
	45	3
	49	3
	51	40
	61	6
	116	7
	120	3
	121	29
	124	4
	133	8
	134	10
	137	8
	138	38
	139	8
	163	14
	169	7
	172	14
	173	18
	173	34
	174	2
	175	7
5310-00-088-0553	39	6
5310-00-088-1251	8	11
	141	1
5305-00-088-8332	119	28
	119	82
5310-00-088-8513	78	43
5920-00-090-8396	100	13
5999-00-104-8551	87	23
5935-00-108-7261	87	24
5930-00-111-8619	56	28
	76	11
5940-00-113-9820	87	26
	91	17
	93	3
	100	12
5940-00-113-9825	94	18
5940-00-113-9826	4	9
	93	41
5940-00-114-1315	4	8
	93	40
	96	25

NATIONAL STOCK NUMBER	FIG.	ITEM
2510-00-116-0458	119	11
	119	98
5340-00-134-3465	117	17
4720-00-134-4655	10	16
5310-00-138-4315	5	11
4820-00-142-3036	2	18
6240-00-143-3173	38	5
	55	25
	56	1
	79	3
5940-00-143-4777	93	34
	94	17
5940-00-143-4794	6	20
	95	26
5305-00-145-0960	67	6
5315-00-145-4555	168	76
5306-00-146-3163	143	2
6240-00-155-7859	79	2
4210-00-160-9855	50	21
5325-00-174-9312	170	10
5310-00-176-6271	145	9
5310-00-180-0277	133	13
	136	21
5305-00-184-1421	148	13
	149	18
	151	2
	152	12
	153	25
	154	11
	155	12
4730-00-186-3845	177	24
5305-00-186-6084	76	5
	154	13
5315-00-187-9549	119	16
	119	24
	119	87
	119	89
4730-00-188-1864	172	29
9505-00-191-3680	11	8
4730-00-196-1982	41	24
4730-00-202-6491	46	13
	47	10

NATIONAL STOCK NUMBER	FIG.	ITEM
4730-00-202-6491	114	4
	167	10
	169	4
	170	30
4730-00-204-1272	22	4
5305-00-207-7178	36	38
5310-00-208-1918	6	50
	64	8
	75	11
	80	2
	119	19
	119	58
	120	17
	121	2
	131	2
	134	2
	137	4
	138	21
	142	20
	160	14
	173	9
	179	5
9330-00-213-3275	BULK	8
6220-00-217-9149	67	5
5305-00-225-3842	6	8
	45	9
5305-00-225-3843	1	5
	6	7
	117	10
	118	4
	119	107
	142	29
	157	6
	158	10
	162	1
	163	1
	170	4
	178	19
5310-00-225-6993	140	22
	142	15
5306-00-226-4829	37	17
5305-00-226-4831	36	63

NATIONAL STOCK NUMBER	FIG.	ITEM
5305-00-226-4831	142	33
	170	44
5940-00-230-0515	95	8
4730-00-231-3065	172	41
5940-00-237-6779	95	14
4730-00-239-3080	43	16
	44	4
4820-00-242-4064	2	22
5975-00-242-4234	54	13
5310-00-245-3615	6	36
	36	66
	37	11
	76	7
	118	7
	135	1
	162	33
	170	42
	174	11
5310-00-250-9477	124	8
5340-00-253-0179	142	52
5310-00-261-7340	163	20
2590-00-264-8828	3	10
5310-00-269-4040	52	14
5325-00-276-5954	10	29
	60	7
	66	9
4730-00-277-7331	172	31
4730-00-277-7905	2	28
4730-00-278-3167	2	20
	170	34
4730-00-278-3885	2	21
4730-00-278-3888	41	10
	170	25
4730-00-278-4824	43	19
	113	41
4730-00-278-5708	24	17
5325-00-281-4365	67	7
5940-00-283-5280	93	9
5305-00-285-5295	119	36
	119	77
5331-00-285-9847	24	2
4730-00-313-0820	179	27
4730-00-313-0825	176	7
	179	34
4730-00-322-8457	36	62
	172	32
5340-00-329-2428	116	12
	136	5
	137	24
	138	8
	156	5
	159	3
	160	23
	161	8
	162	8
	163	38
5970-00-373-0773	172	8
5340-00-385-8820	55	2
	125	19
	173	12
5305-00-403-3465	65	5
5310-00-407-9566	18	17
	36	65
	37	12
	46	2
	76	2
	121	46
	138	5
	154	19
	160	2
	165	3
	174	10
5305-00-409-2155	69	5
5940-00-409-6659	96	12
5925-00-412-4155	75	35
5925-00-413-1210	75	27
4730-00-419-3031	39	2
5325-00-420-1901	59	8
5330-00-426-3321	168	29
	171	78
4730-00-427-5121	45	18
4720-00-433-8887	BULK	18
5310-00-436-3290	53	6
5310-00-452-1356	55	3

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-00-452-1356	134	4
	148	23
	150	6
5310-00-454-0351	120	11
5342-00-455-5899	3	3
5310-00-474-3798	9	12
	156	3
	159	2
4720-00-481-9390	10	6
5330-00-482-6901	171	43
5330-00-482-8540	168	51
9320-00-491-5351	BULK	15
5330-00-495-7304	168	47
	171	68
4730-00-497-8280	172	26
5310-00-502-0106	162	23
4730-00-504-1908	50	31
4730-00-511-1677	172	46
5975-00-519-8334	5	13
	170	46
5340-00-530-5353	119	17
	119	86
5325-00-530-5898	171	20
4730-00-542-4658	47	24
5305-00-543-2419	10	1
	20	3
	22	23
	36	54
	42	12
	49	4
	124	5
	172	13
5305-00-543-2866	19	5
	133	14
	169	14
5306-00-543-4405	8	4
	60	1
	142	55
	148	12
	151	3
	152	4
	153	1

NATIONAL STOCK NUMBER	FIG.	ITEM
5306-00-543-4405	154	1
	155	4
	160	1
4730-00-555-1764	36	58
4810-00-555-6033	41	19
5940-00-557-1627	93	32
5305-00-562-2750	145	2
	158	12
5310-00-562-2826	43	14
	44	2
	61	3
	74	3
	116	2
5340-00-562-2925	9	15
5975-00-570-9598	110	17
4730-00-574-8807	10	4
5310-00-576-0546	6	43
5310-00-582-5965	9	26
	81	21
	142	30
	145	5
5310-00-584-5272	51	21
	138	27
	142	8
	177	32
	179	20
5310-00-584-7799	123	17
5310-00-584-7888	50	9
	53	22
	55	19
	123	19
4730-00-588-2614	172	33
5305-00-591-9257	120	4
4730-00-595-1871	169	20
4730-00-618-5382	179	33
4730-00-627-2017	178	16
5310-00-637-9541	19	2
	22	20
5306-00-637-9675	46	3
	51	31
	142	24
	167	19

NATIONAL STOCK NUMBER	FIG.	ITEM
5305-00-655-6694	155	13
5305-00-655-6974	122	10
5305-00-680-4262	120	6
	134	9
	163	29
5930-00-681-4727	56	23
5930-00-683-1628	55	54
	56	21
5930-00-683-1629	56	24
4730-00-691-5441	2	8
5305-00-701-5074	55	48
	58	40
	116	11
	137	23
	161	7
	163	37
5305-00-701-5078	160	25
	162	7
5305-00-702-4523	21	23
	55	8
5305-00-716-7356	120	9
4730-00-718-2621	169	16
5305-00-719-3997	3	6
5305-00-719-5017	159	9
5305-00-723-9385	152	28
5305-00-724-6758	52	18
5305-00-724-7220	51	26
5305-00-724-7236	164	15
5305-00-724-7248	164	8
5305-00-725-2317	9	9
	45	2
	50	4
	51	41
	133	12
	139	2
	175	8
4730-00-729-4930	178	30
5305-00-732-0511	142	26
	179	21
5305-00-732-0512	8	9
	51	23
	138	19

NATIONAL STOCK NUMBER	FIG.	ITEM
5920-00-752-0458	76	10
5310-00-761-6882	2	11
	6	13
	45	11
	55	21
	136	30
	138	18
	147	9
	172	25
	172	37
	178	14
	179	23
1095-00-763-7348	3	1
5310-00-763-8913	41	11
	120	12
5310-00-763-8922	53	21
	123	20
5305-00-764-0071	6	11
5305-00-764-0075	56	9
5310-00-764-6609	2	3
	164	14
5310-00-765-3197	6	42
	9	21
	10	28
	39	7
	54	2
	62	2
	64	7
	65	3
	66	1
	67	8
	73	4
	75	4
	79	5
	80	3
	83	2
	85	6
	121	4
	122	8
	125	9
	129	2
	130	2

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-00-765-3197	132	3
	136	13
	137	3
	138	23
	140	9
	142	19
	151	19
	152	21
	153	18
	154	27
	155	21
	156	8
	159	11
	170	21
	175	14
	176	9
	179	10
	181	16
5305-00-765-4344	170	16
5310-00-768-0321	50	10
	138	26
	142	7
5330-00-770-0707	119	7
	119	54
	121	41
5310-00-773-7618	136	16
4730-00-777-6681	172	23
5305-00-781-3926	121	27
5305-00-781-3927	167	4
	170	2
5305-00-781-3928	170	6
4730-00-793-2808	2	29
5310-00-802-4701	55	20
5331-00-805-2966	38	7
5310-00-807-1466	163	10
5310-00-807-1469	138	6
	139	5
	154	18
	167	20
5305-00-807-8126	54	3
5310-00-809-3078	11	19
	18	16
5310-00-809-3078	24	22
	36	64
	37	13
	41	27
	46	1
	51	30
	59	15
	60	3
	76	8
	117	6
	120	19
	120	33
	121	45
	135	3
	140	15
	142	3
	147	7
	160	3
	165	2
	169	11
	170	43
	174	9
5310-00-809-3079	120	10
	121	6
	145	10
5310-00-809-4061	83	5
	84	12
	117	2
	142	60
	159	7
	168	36
5310-00-809-5997	51	22
	138	20
	142	9
	179	19
5310-00-809-8533	53	1
	169	22
5310-00-809-8540	52	9
5310-00-809-8541	42	7
4730-00-809-9427	178	32
	178	33
4730-00-812-0924	36	55

NATIONAL STOCK NUMBER	FIG.	ITEM
4730-00-813-9611	172	27
5340-00-814-1161	131	3
5305-00-816-6825	160	17
5975-00-816-9617	181	9
5310-00-820-6653	51	25
4730-00-821-0457	2	12
5305-00-821-3869	133	15
5306-00-823-5861	179	11
5310-00-823-8803	51	24
	52	15
5310-00-823-8804	3	9
	6	5
	6	47
	9	25
	21	21
	41	3
	45	13
	46	8
	48	24
	53	16
	55	5
	56	18
	66	4
	81	22
	117	12
	118	2
	121	35
	137	12
	138	14
	139	16
	142	31
	146	5
	148	10
	151	5
	152	6
	153	3
	154	3
	155	6
	157	4
	158	8
	162	3
	163	2

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-00-823-8804	165	7
	170	3
	172	39
	178	20
	179	4
	181	2
4730-00-828-8084	172	16
6645-00-831-6826	177	5
4730-00-833-4613	172	36
5340-00-843-7825	41	13
	181	17
4730-00-844-1379	21	2
5305-00-846-5703	170	7
5310-00-851-2674	133	16
5310-00-851-2682	46	4
	133	10
	139	10
5305-00-855-0957	6	23
	51	7
	60	13
	137	17
	159	12
	174	8
5305-00-855-0964	116	9
	148	16
	149	15
	151	23
	152	25
	153	22
	154	22
	155	25
	176	10
5305-00-855-0967	136	1
5930-00-855-3938	22	2
5310-00-869-9576	53	7
5940-00-874-9033	87	11
	88	9
	98	2
	100	11
4730-00-877-8997	50	30
5310-00-880-7744	59	7
	60	5

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-00-880-7744	142	1
5310-00-880-8189	37	5
	84	8
	142	59
5925-00-883-0090	177	6
5305-00-883-0629	62	8
5310-00-883-9384	85	10
5310-00-883-9417	2	10
	3	7
	6	6
	8	13
	10	26
	21	22
	41	12
	42	5
	45	14
	46	7
	48	23
	55	9
	56	17
	58	13
	58	38
	60	2
	62	3
	68	7
	117	13
	118	3
	119	104
	124	7
	125	2
	133	17
	136	6
	138	17
	139	12
	146	14
	147	10
	148	11
	151	4
	152	5
	153	2
	154	2
	155	5

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-00-883-9417	157	5
	158	9
5310-00-883-9417	162	2
	163	6
	165	6
	172	38
	178	15
	179	24
	181	3
5305-00-889-3000	6	32
	6	44
	59	3
	72	2
	133	19
	163	26
5310-00-894-4876	128	6
5310-00-903-1524	120	1
4730-00-908-6293	9	13
	114	8
4730-00-908-6294	9	3
5310-00-910-6692	78	26
5310-00-913-3366	142	14
5310-00-916-9480	136	7
4720-00-922-5136	BULK	17
5310-00-926-5877	9	11
	20	6
	36	53
	42	11
	45	5
	49	2
	50	3
	51	32
	54	11
	54	17
	55	12
	116	8
	120	2
	121	28
	124	2
	133	7
	134	11
	136	17

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-00-926-5877	138	39
	139	3
	139	9
	169	33
	172	20
	173	33
	175	6
4730-00-930-5392	178	34
4730-00-933-0816	24	15
	36	56
5310-00-933-8120	58	29
5310-00-933-8122	41	28
	117	7
	120	20
	135	2
	136	26
	142	2
	149	12
5310-00-934-9747	133	22
	177	39
5310-00-934-9757	125	14
	170	57
5310-00-934-9758	58	6
	163	18
	181	14
5305-00-938-1556	138	33
5305-00-941-3618	165	4
5305-00-943-5926	145	11
6240-00-946-2171	68	3
5305-00-947-4352	123	18
	169	23
5305-00-947-4364	50	5
5310-00-950-1403	68	8
	122	2
4730-00-951-3972	10	5
4730-00-958-0384	39	5
5305-00-958-5245	142	6
5305-00-958-5246	56	16
5305-00-958-5247	133	3
	137	10
	160	20
	161	3

NATIONAL STOCK NUMBER	FIG.	ITEM
5305-00-958-5247	162	13
5305-00-958-5254	142	11
5975-00-977-8478	170	47
5305-00-978-9395	136	15
	139	7
5305-00-983-6670	178	6
5310-00-983-8483	59	4
	83	22
	121	22
	125	15
5310-00-984-3805	83	11
	146	15
	158	2
5305-00-984-4992	73	8
	121	21
	177	2
5305-00-984-5674	162	26
5305-00-984-5678	82	12
5305-00-984-5687	55	11
5305-00-984-6193	125	17
5305-00-984-6207	122	16
5305-00-984-6210	51	8
	53	3
	56	6
	79	6
	80	7
	119	3
	119	52
	126	1
	127	7
	128	7
	129	1
	130	1
	132	4
5305-00-984-6212	62	6
	64	1
	64	16
	75	13
	81	13
	144	5
	148	19
	149	2

NATIONAL STOCK NUMBER	FIG.	ITEM
5305-00-984-6212	150	11
	151	21
	152	23
	153	19
	154	26
	155	23
	173	14
5305-00-984-6214	9	23
	64	18
	65	2
	66	8
	75	6
	137	1
	146	6
	147	2
	148	24
	149	8
	151	16
	152	17
	153	14
	154	31
	155	17
	156	1
	170	22
	173	1
	181	18
5305-00-984-6216	142	23
5305-00-984-6217	140	14
	142	57
5305-00-984-6218	138	25
5305-00-984-6224	177	1
5305-00-984-6225	170	53
5305-00-988-1170	142	44
5305-00-988-1171	142	53
5305-00-988-1721	138	45
5305-00-988-1723	55	6
	145	12
	170	12
5305-00-988-1727	9	16
	41	2
	58	26
	86	1

NATIONAL STOCK NUMBER	FIG.	ITEM
5305-00-988-1727	125	6
	160	5
	162	31
	172	43
	179	3
5975-00-988-3493	79	4
5305-00-989-7435	38	13
5305-00-990-0668	177	20
5305-00-993-1848	5	9
4730-00-993-3698	2	31
4720-00-993-6168	BULK	11
4730-00-995-1568	36	59
5305-00-995-3569	24	18
5310-00-997-1888	139	13
4720-01-003-6706	BULK	7
5342-01-007-0815	21	20
5340-01-013-9392	51	28
	113	19
5305-01-014-5124	55	18
5975-01-018-6492	54	14
5305-01-021-2520	178	2
5305-01-022-8972	9	6
5935-01-025-9099	68	12
4730-01-035-1429	17	4
	21	5
5340-01-038-9481	41	14
2510-01-039-4396	119	111
5940-01-047-8489	92	3
4730-01-048-1025	21	9
9320-01-048-2928	BULK	26
5975-01-052-1433	72	1
5310-01-054-4644	11	21
	19	1
	22	19
	36	45
	45	6
	49	1
	51	33
	121	31
	124	3
	134	12
	136	18

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-01-054-4644	137	9
	138	40
	140	5
	166	4
	167	3
	168	41
	170	1
	172	19
	175	5
4730-01-055-4013	48	18
	49	6
2530-01-061-1351	6	57
	79	8
4730-01-061-5927	2	26
4730-01-062-2570	5	2
5310-01-066-6759	6	17
	6	48
	10	23
	53	12
	82	4
	117	14
	119	108
	121	20
	122	14
	137	13
	140	8
	142	42
	145	4
5310-01-067-8396	8	20
	51	5
	55	28
	79	1
	83	1
	85	17
	125	8
	127	1
	140	18
	147	5
	148	22
	149	6
	151	17
	152	20

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-01-067-8396	153	16
	154	29
	155	20
5999-01-068-9543	87	14
5310-01-071-6411	82	3
	133	25
	136	31
5310-01-073-7031	36	7
	163	32
5310-01-081-0799	87	19
	88	15
	91	19
	93	16
	94	10
	98	7
	99	11
	100	24
5310-01-081-1283	142	58
5310-01-081-5351	169	10
5999-01-081-9033	93	20
5305-01-082-0049	24	21
	41	29
	59	9
	120	21
	120	32
	138	9
	173	27
5940-01-082-3321	93	33
5315-01-082-6927	155	3
5920-01-085-0825	55	39
4730-01-086-4064	46	14
	47	11
	113	11
	114	5
	167	11
	169	5
	170	31
5310-01-086-7726	99	12
5331-01-087-8709	168	3
4730-01-088-9643	177	26
	178	23
4730-01-091-9212	50	32

NATIONAL STOCK NUMBER	FIG.	ITEM
4730-01-096-9127	5	6
	170	26
4730-01-096-9128	41	20
	45	16
4730-01-096-9398	48	19
	49	5
5310-01-103-6042	10	25
	124	9
	133	5
4820-01-104-3968	2	25
5306-01-106-7496	2	1
5935-01-108-1877	68	13
5331-01-109-6064	171	10
5935-01-110-7143	68	10
5330-01-111-2281	BULK	25
5340-01-111-2451	81	15
	125	13
	127	6
	128	5
	132	7
	134	7
	144	7
	145	13
5310-01-113-9097	75	14
4730-01-114-8326	43	21
	44	5
	45	20
	113	36
	167	22
	172	17
4730-01-117-0119	2	14
5975-01-119-9336	5	8
5331-01-121-8323	168	49
5920-01-123-5211	55	40
5920-01-123-5212	55	41
6210-01-124-9986	55	24
	56	31
5975-01-127-7595	75	15
	82	7
5331-01-129-4333	168	7
5340-01-130-7909	138	29
6680-01-131-2551	56	25

NATIONAL STOCK NUMBER	FIG.	ITEM
4720-01-132-7124	BULK	21
5305-01-133-2114	119	38
	119	75
4730-01-133-4256	47	15
2590-01-133-7630	121	25
4730-01-134-1278	38	15
4730-01-137-7474	39	9
5310-01-142-7049	54	10
	61	8
	62	4
	67	10
	76	1
	116	5
	136	11
	146	12
	150	2
	170	19
4730-01-146-6990	78	53
5305-01-147-1228	2	35
5305-01-147-9723	164	4
5920-01-149-6952	55	42
5306-01-150-7726	164	19
5305-01-150-7736	164	3
5305-01-151-1031	164	17
2540-01-151-6209	119	95
9340-01-151-9132	119	6
	119	55
9340-01-152-2686	121	43
2540-01-152-7764	58	23
	121	17
	122	3
	140	10
	142	56
	162	25
2510-01-152-7768	119	102
5315-01-152-7769	119	110
3020-01-152-7912	119	22
	119	27
	119	83
	119	85
5340-01-153-9425	55	13
5310-01-154-3381	175	3

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-01-155-1905	24	23
5330-01-155-1938	119	40
	119	73
4010-01-155-2611	119	23
	119	84
5360-01-155-4565	119	13
	119	96
5945-01-155-5818	55	36
2540-01-155-5836	119	49
	119	59
5365-01-156-4160	119	12
	119	97
4730-01-156-4835	177	34
5305-01-156-5442	164	23
5340-01-156-6776	58	2
	121	19
	140	19
	142	54
5310-01-156-7704	163	19
5310-01-156-7706	3	2
	163	7
	170	14
5306-01-156-8678	119	105
2540-01-157-2991	119	26
5305-01-157-5624	119	101
2510-01-157-6910	119	46
	119	61
5340-01-158-5378	3	8
5306-01-158-6232	119	15
	119	94
5340-01-158-6318	119	34
	119	80
4730-01-159-0140	179	15
5306-01-159-6549	154	17
	164	22
5310-01-159-8178	164	13
5340-01-160-4010	3	5
5365-01-160-4736	119	103
4730-01-160-8202	177	9
5331-01-160-9857	6	31
5331-01-161-2411	37	3
4730-01-161-6679	113	13
5310-01-161-9123	119	109
5330-01-163-3149	171	70
5325-01-163-6558	63	1
5330-01-163-7432	86	3
4730-01-164-3365	172	42
5975-01-164-9437	54	8
5331-01-166-1712	6	33
5680-01-167-1137	BULK	6
5305-01-167-9408	164	6
5340-01-168-7285	119	39
	119	74
5340-01-171-1071	170	49
5940-01-174-1488	26	5
5310-01-174-1491	26	4
5331-01-179-2860	178	26
5305-01-182-3208	171	16
5305-01-182-3209	171	25
4720-01-182-9067	BULK	28
5305-01-184-0776	171	12
5305-01-185-8668	53	2
3110-01-185-8726	171	17
5975-01-188-8873	59	10
4210-01-189-3286	171	30
5331-01-192-2233	171	18
5331-01-192-2234	171	22
5315-01-193-9327	168	80
5342-01-194-0894	52	11
	164	11
5305-01-194-2998	163	12
5310-01-194-3014	119	18
	119	93
4730-01-195-3805	176	2
5305-01-195-5050	52	8
5310-01-199-4393	58	21
	136	24
	149	13
5310-01-201-1180	177	15
5999-01-203-6687	87	16
	88	2
	90	2
	95	3
	96	18

NATIONAL STOCK NUMBER	FIG.	ITEM
5999-01-203-6687	100	30
5310-01-204-2167	141	2
5975-01-207-0229	54	5
	78	52
	82	6
5975-01-207-0230	177	18
5306-01-209-0504	174	12
4210-01-213-4458	171	95
4210-01-213-4459	171	76
4210-01-213-4461	171	1
	171	53
3040-01-213-8551	171	7
3040-01-213-8552	171	85
3040-01-213-8704	171	46
5935-01-214-4163	95	15
	96	14
	98	17
	100	28
5935-01-214-5259	95	7
	96	24
	98	12
	100	10
5999-01-214-9682	90	6
	96	4
	100	9
2540-01-215-4234	141	3
5999-01-216-3648	87	15
	88	13
	89	6
	93	4
	94	13
	95	18
	96	6
	100	26
5995-01-219-1843	59	11
2590-01-225-2503	BULK	16
4730-01-233-3395	172	1
4210-01-234-3436	171	21
4730-01-235-5782	113	40
5310-01-236-7515	78	33
2815-01-237-8189	14	8
6130-01-239-8106	74	2

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-01-239-9412	121	24
5331-01-241-2709	171	13
5340-01-244-4707	41	21
	84	9
5310-01-245-0500	75	22
5120-01-247-6131	182	11
5310-01-251-0784	11	4
5365-01-251-2034	36	67
	48	17
5310-01-251-2925	50	6
2990-01-252-6456	11	11
4730-01-254-1251	39	4
	41	22
	43	20
	50	13
	113	26
2540-01-254-5624	119	69
5340-01-254-7380	11	15
5975-01-262-8475	72	6
	73	1
6220-01-267-0284	71	2
5310-01-267-1684	140	12
5330-01-267-7542	BULK	1
4730-01-268-2402	2	27
5930-01-268-7728	6	56
	56	29
	79	10
4730-01-270-2477	176	4
4730-01-273-3671	173	30
	174	16
3120-01-273-7507	26	22
4730-01-278-0998	36	68
5999-01-280-1438	87	28
	88	3
	90	3
	96	28
	100	5
5310-01-281-0563	149	11
4730-01-282-1695	48	12
5975-01-282-6254	54	6
5310-01-283-4637	53	8
	65	4

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-01-283-4637	116	13
	133	26
	138	10
	160	12
	161	5
	163	31
5975-01-283-8699	72	8
	75	16
5305-01-285-7712	139	17
5999-01-286-5843	87	17
	88	12
	91	21
	93	19
	94	14
	98	5
	99	13
	100	22
5925-01-286-9299	177	3
	177	7
5306-01-288-8936	78	14
5340-01-289-2201	119	20
	119	91
3020-01-289-7464	78	2
5935-01-291-2814	96	2
	100	33
4730-01-291-8460	41	7
	170	33
4820-01-291-8529	171	24
5315-01-291-9168	171	61
5935-01-292-2336	95	21
5305-01-292-9997	76	4
	147	6
5970-01-293-9070	BULK	14
2590-01-294-6075	178	1
4720-01-294-7228	BULK	31
4730-01-295-3763	50	29
5975-01-295-8211	75	23
4730-01-300-4090	48	11
	113	37
4730-01-300-4114	41	23
	113	39
6145-01-300-6438	5	12

NATIONAL STOCK NUMBER	FIG.	ITEM
5930-01-302-3301	5	4
5310-01-303-4701	170	56
5305-01-305-6078	164	20
5310-01-305-8328	28	15
4730-01-305-8657	45	21
	113	38
	167	24
	172	11
4730-01-305-8661	48	10
5310-01-306-2351	136	22
5935-01-308-7866	100	37
5935-01-308-8599	95	9
	96	9
5940-01-309-6313	4	13
	6	22
	87	4
	88	5
	93	36
	98	4
	99	2
5310-01-311-0004	136	2
5306-01-314-2390	78	23
3110-01-315-7020	28	4
4730-01-316-5785	21	27
2920-01-316-7388	28	1
5999-01-319-7394	96	5
	100	29
5975-01-322-6434	72	5
5935-01-323-6817	87	13
6625-01-324-3625	182	6
6240-01-327-4564	77	2
3110-01-328-7515	36	14
3110-01-329-6870	36	27
5310-01-329-9101	78	4
5330-01-331-2063	177	28
4730-01-333-2273	43	17
	172	3
5120-01-333-3140	182	12
5310-01-333-4543	24	16
	36	70
5315-01-334-8656	148	3
	151	10

NATIONAL STOCK NUMBER	FIG.	ITEM
5315-01-334-8656	152	3
	153	8
	154	5
5940-01-336-6331	91	9
	95	12
5940-01-336-7095	98	15
5935-01-336-7622	91	8
	96	36
	100	14
5935-01-336-9923	99	18
5999-01-337-0088	91	14
	92	5
5935-01-337-0288	91	7
	96	34
	100	15
5940-01-337-3319	93	14
6150-01-337-5039	93	29
	94	2
5935-01-338-3532	4	6
	95	25
	96	31
5305-01-338-7312	140	17
	142	43
5940-01-340-0586	97	4
	98	29
5940-01-340-0587	87	21
	93	7
5305-01-340-8311	28	19
5940-01-340-9064	87	10
	88	8
	93	10
	94	4
5940-01-341-0525	93	37
	94	16
5305-01-341-2905	28	13
5940-01-341-7689	98	18
5940-01-342-0558	87	30
4540-01-342-1648	181	11
5940-01-342-3882	91	12
	92	8
5315-01-342-4055	41	16
6680-01-343-5861	178	27
5310-01-346-3459	40	4
5940-01-347-6142	89	2
4730-01-348-6542	2	9
5305-01-352-2019	119	35
	119	79
6530-01-352-4777	21	19
5940-01-353-5702	4	4
	87	25
	89	4
	95	5
	96	10
	97	2
	98	19
	100	16
5940-01-353-6473	88	10
	92	2
	93	45
	96	11
	100	38
5305-01-353-8322	119	10
	119	99
2510-01-354-1288	119	4
2510-01-354-1289	119	57
2510-01-354-4365	119	1
2510-01-354-4366	119	51
2510-01-355-0542	119	106
5305-01-355-2613	119	41
	119	68
2510-01-355-6575	119	37
5940-01-357-0069	87	8
	88	7
5365-01-357-6257	120	28
4730-01-357-8699	21	8
5940-01-358-7789	87	12
5940-01-359-0245	96	35
5315-01-359-4537	171	40
3110-01-359-4593	28	5
4730-01-360-0226	17	15
5340-01-361-2014	77	6
5975-01-362-7144	6	4
6220-01-363-4620	55	53
4720-01-364-4441	BULK	30

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-01-366-5363	136	27
5306-01-367-9253	176	11
5340-01-368-1370	119	32
	119	71
5310-01-372-2289	119	33
	119	70
5305-01-372-2565	119	31
	119	72
5999-01-372-4955	4	11
	96	31
	98	25
5999-01-373-4494	93	13
	99	14
5940-01-374-9838	93	24
5306-01-380-8850	78	20
5305-01-380-9205	78	24
5330-01-381-9650	50	37
5340-01-384-3005	41	5
5940-01-386-5967	4	2
	89	5
	91	2
	93	35
	96	8
	97	13
	98	3
	99	6
	100	4
5340-01-388-0948	1	4
4820-01-388-5238	178	35
5330-01-389-4366	24	5
3110-01-390-6426	110	43
5330-01-390-9045	115	1
5930-01-391-5662	79	9
2540-01-392-2329	119	88
2540-01-392-6593	119	30
5305-01-393-1310	28	12
2540-01-393-2149	119	14
2920-01-393-2739	28	8
5310-01-393-3735	163	30
	172	6
2920-01-393-7984	28	14
5325-01-394-2414	3	4

NATIONAL STOCK NUMBER	FIG.	ITEM
5325-01-394-2414	10	21
	21	14
	55	14
	56	19
	74	1
	119	43
	119	60
	125	26
	157	2
	158	6
	159	5
	160	8
	162	5
	163	8
	165	8
	172	24
	181	4
5330-01-394-8346	BULK	4
5325-01-395-1247	68	15
	121	32
	161	1
5325-01-395-2124	160	4
5935-01-396-8121	68	11
4010-01-396-9451	120	22
5940-01-396-9499	98	13
2930-01-398-3052	14	18
5340-01-398-6995	47	13
	145	7
	167	29
4730-01-398-8329	6	24
5940-01-400-0618	94	9
5999-01-406-4110	4	5
	93	44
	95	16
	98	16
5306-01-407-7188	119	25
	119	90
5325-01-411-0066	9	20
	38	1
	50	26
	55	1
	56	11

NATIONAL STOCK NUMBER	FIG.	ITEM
5325-01-411-0066	61	4
	64	19
	66	11
	75	2
	85	5
	116	4
	119	42
	119	66
	121	1
	138	12
	156	7
	162	9
	173	15
5325-01-414-7133	57	4
	119	48
	119	67
	125	5
	137	15
	175	13
5945-01-416-6438	55	37
2510-01-417-4865	119	2
	119	53
4210-01-418-2155	50	22
5320-01-418-5864	10	27
5325-01-420-3005	119	9
	119	78
4210-01-421-8494	168	21
4730-01-422-4088	115	9
4820-01-422-5556	51	19
3120-01-422-5932	168	46
5999-01-422-9740	93	6
	95	6
	98	14
4330-01-423-6207	178	12
4010-01-429-6273	133	24
5310-01-434-7272	29	9
5306-01-435-6113	123	21
5310-01-437-8700	30	5
5365-01-437-9579	78	7
5340-01-441-2099	51	6
5940-01-446-7607	100	34
2940-01-449-7635	10	3
4730-01-452-3277	172	47
5999-01-452-9967	96	23
6685-01-453-5724	96	16
2940-01-454-0787	5	5
4730-01-457-8006	170	58
5920-01-459-3847	76	9
	175	17
5310-01-462-6244	52	12
	164	12
5310-01-464-2331	78	38
5305-01-464-2362	78	27
5975-01-464-8195	181	8
5975-01-464-9164	54	9
	181	7
5310-01-466-2747	108	3
5905-01-466-2808	7	7
5310-01-466-7850	8	7
	120	31
	173	24
5305-01-470-0966	175	20
4730-01-471-6636	170	37
4710-01-474-9252	21	15
5325-01-474-9732	55	27
5340-01-475-0039	21	12
5340-01-475-0054	21	16
5310-01-477-8639	2	33
	20	5
	120	25
	125	10
	167	17
	169	32
	173	16
	174	1
5935-01-479-1599	93	42
	95	19
5342-01-480-0358	4	12
	95	10
	98	24
5940-01-480-2341	87	27
	88	17
	93	26
2590-01-480-2394	91	10

NATIONAL STOCK NUMBER	FIG.	ITEM
5310-01-480-4250	175	2
5935-01-480-9083	87	6
	96	21
	98	26
	100	35
	100	39
5935-01-483-0852	100	40
5310-01-483-6027	123	23
5310-01-483-7151	123	22
5999-01-484-6926	4	3
	96	15
5945-01-484-7194	55	34
	83	15
2510-01-484-7334	119	76
5935-01-485-4000	87	5
	96	19
	100	42
5305-01-485-6333	120	27
5306-01-485-9832	78	6
5310-01-485-9841	78	13
4730-01-487-4686	41	15
5920-01-487-5516	84	16
5310-01-492-5582	154	15
4730-01-492-8482	22	6
5310-01-494-4566	169	21
6240-01-498-3042	65	6
4820-01-499-6221	49	7
5331-01-503-3545	1	3
5935-01-503-4847	87	3
	95	20
	96	3
5935-01-503-7348	95	22
	96	32
5310-01-505-3798	108	4
5340-01-506-0139	162	12
5935-01-508-1750	97	11
	98	21
	99	4
	100	2
5940-01-508-5925	170	52
5935-01-514-4357	4	10
	90	5

NATIONAL STOCK NUMBER	FIG.	ITEM
5935-01-514-4357	93	43
	96	7
	98	27
5999-01-515-1015	6	21
4820-01-515-0455	21	10
5935-01-515-2028	97	3
	98	30
5945-01-516-0446	41	25
	41	26
2590-01-516-6913	41	9
5340-01-516-8787	116	10
	156	4
	162	10
5340-01-516-8876	146	4
	150	10
5935-01-516-9220	78	48
5975-01-516-9221	78	49
4720-01-516-9306	176	3
4720-01-516-9308	176	6
4720-01-516-9309	176	5
4720-01-516-9311	36	57
5935-01-516-9367	93	18
5935-01-516-9371	87	22
	93	8
5935-01-517-0938	95	24
5330-01-517-2194	64	4
	64	14
4310-01-517-2199	5	3
5340-01-517-2213	56	3
5305-01-517-2222	2	19
5325-01-517-2270	9	24
	42	9
	58	16
	81	1
	123	5
	139	31
	142	4
5325-01-517-2278	123	4
5305-01-517-2284	123	2
	140	1
4310-01-517-2327	10	36
5330-01-517-2731	125	23

NATIONAL STOCK NUMBER	FIG.	ITEM
5340-01-517-2738	125	18
5340-01-517-2760	170	24
5310-01-517-2762	53	5
	58	33
5325-01-517-2773	58	31
	146	2
	148	25
	149	7
	150	8
	152	18
	153	15
	154	30
	155	18
5305-01-517-2795	58	24
5310-01-517-2801	58	20
5330-01-517-2830	179	18
5340-01-517-2833	67	4
5315-01-517-2837	179	22
2540-01-517-2838	117	5
5365-01-517-2849	26	21
5365-01-517-2850	26	12
5365-01-517-2851	78	47
5365-01-517-2853	78	5
2540-01-517-2856	117	16
2540-01-517-2859	117	15
5305-01-517-2866	179	17
2590-01-517-2878	58	22
	121	23
	122	12
	140	16
	142	49
	162	24
5340-01-517-2883	168	15
5330-01-517-2887	78	46
5330-01-517-2892	78	41
5305-01-517-3210	168	16
	171	86
5330-01-517-3220	36	5
5340-01-517-3274	73	3
	77	4
5310-01-517-3300	36	41
5315-01-517-3302	36	40
5310-01-517-3308	78	18
5331-01-517-3312	36	42
5310-01-517-3315	36	22
5310-01-517-3319	36	39
5940-01-517-3322	100	20
4910-01-517-3334	182	15
5940-01-517-3337	94	6
5330-01-517-3338	50	1
	51	29
5365-01-517-3346	26	14
5340-01-517-3347	50	11
	113	1
5365-01-517-3426	142	32
2540-01-517-3427	142	38
2540-01-517-3432	119	21
	119	92
5365-01-517-3433	78	17
2590-01-517-3439	50	25
	75	20
	81	4
	82	8
	173	3
2590-01-517-3446	75	36
5365-01-517-3448	142	22
5340-01-517-3677	44	6
5340-01-517-3680	41	1
	50	19
	113	6
	169	27
2510-01-517-3682	142	43
	148	21
	149	5
	151	18
	152	19
	153	17
	154	28
5340-01-517-3685	50	14
	113	12
	167	9
	169	29
5340-01-517-3695	48	15
5305-01-517-3696	78	19

NATIONAL STOCK NUMBER	FIG.	ITEM
3040-01-517-3699	142	39
	152	27
	155	27
5310-01-517-3705	78	21
5305-01-517-3710	66	3
	78	11
	81	14
	120	15
	144	6
	160	22
2510-01-517-3712	121	33
5310-01-517-3715	78	36
5310-01-517-3717	78	39
5305-01-517-3719	78	8
5305-01-517-3729	108	5
5305-01-517-3730	168	5
5305-01-517-3760	168	9
5305-01-517-3763	168	53
	171	73
5331-01-517-3765	168	50
5305-01-517-3768	168	34
5360-01-517-3771	126	6
	129	6
	130	5
	163	25
5330-01-517-3780	125	30
5305-01-517-3894	122	13
5330-01-517-3903	6	29
5305-01-517-3927	168	38
5305-01-517-3930	168	39
5305-01-517-3932	168	32
	171	38
5315-01-517-3938	168	14
5331-01-517-3941	168	10
5331-01-517-3944	168	18
5305-01-517-3946	168	25
5331-01-517-3949	168	22
5325-01-517-3954	168	11
5331-01-517-3955	168	13
5331-01-517-3959	168	19
5331-01-517-3962	168	23
5340-01-517-3963	117	9
5340-01-517-3963	118	5
5365-01-517-3967	170	48
5305-01-517-3970	164	1
5310-01-517-3978	117	11
4210-01-517-4088	167	28
5325-01-517-4190	168	24
5331-01-517-4191	168	82
5320-01-517-4196	132	2
5355-01-517-4198	168	81
5331-01-517-4199	168	84
5310-01-517-4200	2	7
	6	54
	58	3
	70	4
	126	2
	127	2
	131	5
	142	46
5355-01-517-4202	168	78
5305-01-517-4204	168	79
5305-01-517-4205	168	77
5305-01-517-4206	168	62
5310-01-517-4207	122	4
	162	30
5305-01-517-4209	168	70
5305-01-517-4211	171	28
5305-01-517-4217	171	8
5305-01-517-4218	168	8
3110-01-517-4226	138	37
3110-01-517-4227	168	48
3110-01-517-4230	139	14
3120-01-517-4232	78	16
5315-01-517-4238	171	75
5315-01-517-4239	171	77
5315-01-517-4242	171	9
5315-01-517-4244	171	48
3120-01-517-4246	78	15
5310-01-517-4248	171	3
3940-01-517-4249	163	42
5325-01-517-4250	171	29
3110-01-517-4256	171	6
3950-01-517-4259	78	1

NATIONAL STOCK NUMBER	FIG.	ITEM
5355-01-517-4275	168	75
5305-01-517-4276	171	27
5305-01-517-4277	171	80
5331-01-517-4278	171	81
5330-01-517-4279	171	84
5325-01-517-4280	171	91
5315-01-517-4282	171	94
5315-01-517-4283	171	88
5305-01-517-4284	171	67
5310-01-517-4285	171	89
5340-01-517-4288	171	92
6220-01-517-4352	55	60
6220-01-517-4358	64	2
	64	12
5330-01-517-4793	171	72
5331-01-517-4794	171	69
5310-01-517-4796	171	44
5325-01-517-4797	171	41
5325-01-517-4799	171	65
5315-01-517-4800	171	64
5315-01-517-4801	171	47
5310-01-517-4812	2	34
	120	26
	140	2
5310-01-517-4814	122	7
5310-01-517-4816	58	17
5315-01-517-4819	171	49
5305-01-517-4821	171	15
5340-01-517-4822	124	19
5315-01-517-4823	171	52
5305-01-517-4825	171	50
5340-01-517-4829	138	4
5340-01-517-4832	133	20
5330-01-517-4833	58	15
5330-01-517-4850	BULK	29
5315-01-517-4873	171	96
5340-01-517-4879	133	11
6685-01-517-4892	7	14
5930-01-517-4908	171	56
5965-01-517-4911	84	11
6110-01-517-4929	93	1
6685-01-517-4940	57	2

NATIONAL STOCK NUMBER	FIG.	ITEM
4730-01-517-4942	2	15
4730-01-517-4951	172	28
4810-01-517-4957	170	55
6115-01-517-4958	175	4
4810-01-517-4961	170	38
4810-01-517-4976	6	39
	56	14
4810-01-517-4979	56	12
4810-01-517-4985	50	18
5945-01-517-4986	76	6
4810-01-517-4987	113	24
5945-01-517-4988	26	1
4820-01-517-4989	37	1
4820-01-517-4992	167	23
	170	35
4720-01-517-5002	169	12
5940-01-517-5004	4	7
4720-01-517-5006	169	30
4720-01-517-5008	169	17
5930-01-517-5009	55	57
4720-01-517-5011	169	31
5930-01-517-5014	55	55
5961-01-517-5016	55	38
5935-01-517-5024	93	38
5999-01-517-5026	93	25
5925-01-517-5035	75	34
5925-01-517-5038	75	26
2990-01-517-5045	113	5
5935-01-517-5133	87	9
	87	31
	88	6
5925-01-517-5137	75	28
4730-01-517-5262	168	2
4720-01-517-5263	168	31
4730-01-517-5265	168	45
4730-01-517-5266	168	42
4730-01-517-5267	168	26
4820-01-517-5269	168	27
4730-01-517-5272	168	28
4730-01-517-5273	168	59
2590-01-517-5282	42	3
2540-01-517-5284	7	1

NATIONAL STOCK NUMBER	FIG.	ITEM
4810-01-517-5286	168	65
4720-01-517-5287	168	60
4730-01-517-5289	11	6
2010-01-517-5290	36	36
5340-01-517-5291	139	30
2520-01-517-5292	179	13
2540-01-517-5294	55	31
	85	12
2540-01-517-5295	172	5
2940-01-517-5296	7	27
2540-01-517-5300	155	29
4730-01-517-5307	168	88
4730-01-517-5308	168	63
4730-01-517-5309	168	68
4720-01-517-5310	169	26
4730-01-517-5311	168	66
	171	60
4720-01-517-5312	169	19
4820-01-517-5313	168	58
4730-01-517-5314	168	57
4720-01-517-5315	169	28
4730-01-517-5316	168	56
4730-01-517-5317	168	55
4730-01-517-5319	168	64
4720-01-517-5323	168	1
4730-01-517-5331	171	26
4820-01-517-5333	46	10
	47	34
	169	3
	170	29
4820-01-517-5334	47	9
4820-01-517-5336	47	35
	167	12
4820-01-517-5337	47	6
4730-01-517-5340	10	15
4810-01-517-5342	50	8
5935-01-517-5343	168	93
4820-01-517-5347	114	1
5935-01-517-5349	100	44
5365-01-517-5352	171	31
4730-01-517-5353	172	15
5935-01-517-5354	96	29
5935-01-517-5354	100	32
5365-01-517-5355	171	11
5365-01-517-5358	171	35
5935-01-517-5359	100	8
5365-01-517-5361	171	71
5945-01-517-5366	55	30
5365-01-517-5367	168	67
5925-01-517-5368	55	47
5365-01-517-5369	168	69
5365-01-517-5371	168	54
4730-01-517-5373	8	15
5365-01-517-5374	168	83
5365-01-517-5377	168	43
5365-01-517-5379	168	91
5940-01-517-5397	93	22
5940-01-517-5398	93	27
4730-01-517-5402	37	15
4720-01-517-5405	36	60
4720-01-517-5407	36	61
4720-01-517-5413	39	3
4720-01-517-5415	47	1
4720-01-517-5417	47	28
4720-01-517-5419	47	27
4720-01-517-5421	47	17
4720-01-517-5424	47	20
4720-01-517-5434	167	27
4720-01-517-5436	167	15
4720-01-517-5438	37	10
4720-01-517-5440	48	5
4720-01-517-5441	48	8
4720-01-517-5442	51	3
6105-01-517-5739	7	20
3020-01-517-5766	78	25
3040-01-517-5767	78	3
3040-01-517-5781	149	16
6220-01-517-5809	68	1
6220-01-517-5811	68	2
4930-01-517-5815	51	10
	53	9
5340-01-517-5840	58	27
5325-01-517-5850	125	16
5340-01-517-5868	75	9

NATIONAL STOCK NUMBER	FIG.	ITEM
5340-01-517-5868	173	13
6220-01-517-5870	56	22
6220-01-517-5875	56	20
5315-01-517-5982	148	5
	151	12
	152	1
	153	10
	154	7
	155	1
5310-01-517-5988	154	14
5310-01-517-5998	125	3
5310-01-517-5990	140	7
5305-01-517-6004	155	28
5340-01-517-6008	10	31
5355-01-517-6014	41	8
5930-01-517-6020	181	6
5935-01-517-6022	95	4
	96	20
	98	23
5935-01-517-6025	95	23
5940-01-517-6027	96	13
5305-01-517-6040	36	23
5340-01-517-6049	161	10
5340-01-517-6053	161	6
5340-01-517-6068	139	21
5306-01-517-6073	139	22
6220-01-517-6077	60	6
6220-01-517-6092	64	9
6220-01-517-6096	60	15
6220-01-517-6149	67	1
4720-01-517-6203	39	10
5935-01-517-6218	91	16
	92	4
5306-01-517-6219	139	19
5935-01-517-6221	91	13
	92	7
5930-01-517-6231	70	1
5935-01-517-6239	99	15
5935-01-517-6245	97	6
	98	28
5925-01-517-6372	55	46
	83	19

NATIONAL STOCK NUMBER	FIG.	ITEM
5360-01-517-6538	148	8
5925-01-517-6602	55	45
	83	16
5935-01-517-6605	91	4
	97	8
	98	10
	99	8
	100	18
5925-01-517-6607	55	43
	83	18
5340-01-517-6622	10	38
5340-01-517-6650	58	39
5340-01-517-6651	121	10
	137	11
	146	8
5310-01-517-6900	26	3
5310-01-517-6906	26	2
5305-01-517-6910	26	23
5360-01-517-6911	148	6
	151	9
	152	8
	153	7
	154	4
	155	8
5305-01-517-6913	26	13
5360-01-517-6928	151	7
	152	10
	153	5
	154	9
	155	10
3020-01-517-6980	26	9
3020-01-517-6987	26	10
2835-01-517-6991	36	33
3040-01-517-7013	168	6
5340-01-517-7014	10	10
3040-01-517-7018	171	63
4820-01-517-7304	7	34
5340-01-517-7726	142	18
6150-01-517-7765	93	28
5305-01-517-7768	117	4
6150-01-517-7770	93	30
6150-01-517-7774	93	31

NATIONAL STOCK NUMBER	FIG.	ITEM
4140-01-517-7795	80	5
6105-01-517-7797	78	29
6150-01-517-7804	102	1
6150-01-517-8123	103	1
5935-01-517-8125	87	29
	88	4
	90	4
	96	27
	100	31
5935-01-517-8126	94	12
5935-01-517-8129	87	20
	91	18
	98	8
	100	25
5935-01-517-8130	88	16
	93	21
	94	15
	99	10
	100	27
5925-01-517-8141	75	24
5935-01-517-8144	87	18
	88	14
	91	20
	93	17
	94	11
	98	6
	100	23
6220-01-517-8169	64	3
	64	13
5935-01-517-8182	64	5
	64	15
6220-01-517-8185	63	2
5935-01-517-8187	84	3
5935-01-517-8191	84	5
5325-01-517-8193	78	31
5965-01-517-8195	84	6
5305-01-517-8197	78	35
5965-01-517-8198	84	1
5940-01-517-8219	168	71
5940-01-517-8222	168	94
6150-01-517-8498	67	3
4730-01-517-8520	2	24
5340-01-517-8525	10	35
4730-01-517-8526	179	31
4730-01-517-8527	179	30
5330-01-517-8528	125	34
	173	36
4820-01-517-8529	21	4
4730-01-517-8532	21	3
4730-01-517-8535	172	12
4720-01-517-8537	8	18
4720-01-517-8538	8	21
4720-01-517-8542	8	10
5330-01-517-8549	97	10
	98	22
	99	3
6220-01-517-8551	60	12
5940-01-517-8554	55	33
6350-01-517-8574	55	23
	56	26
4730-01-517-8577	170	54
4810-01-517-8579	48	20
5340-01-517-8581	11	3
4810-01-517-8582	48	26
4730-01-517-8584	17	16
	21	7
5340-01-517-8590	10	8
4730-01-517-8598	10	34
4730-01-517-8599	10	12
5340-01-517-8600	7	24
4720-01-517-8601	10	18
4720-01-517-8602	10	9
5925-01-517-8612	75	29
5930-01-517-8925	76	13
5999-01-517-8940	173	35
5977-01-517-8945	26	16
4130-01-517-8946	7	26
5305-01-517-8957	148	20
	149	3
	151	20
	152	22
	153	20
	154	24
	155	22

NATIONAL STOCK NUMBER	FIG.	ITEM
5935-01-517-8969	82	5
4720-01-517-8973	11	5
4730-01-517-8974	6	10
4820-01-517-8975	43	15
	44	1
4820-01-517-8976	45	1
2530-01-517-8982	168	4
5340-01-517-8991	148	1
	149	9
	151	15
	152	16
	153	13
	154	32
	155	16
5330-01-517-8998	146	3
	148	2
	149	10
	150	9
	151	14
	152	15
	153	12
	154	33
	155	15
4010-01-517-9001	171	51
5325-01-517-9006	7	13
5935-01-517-9007	72	3
	73	9
4720-01-517-9015	114	9
4030-01-517-9016	171	93
4120-01-517-9018	6	28
4730-01-517-9028	48	14
5340-01-517-9032	137	21
5935-01-517-9034	78	10
6680-01-517-9039	168	20
6150-01-517-9044	168	87
5999-01-517-9045	93	2
5999-01-517-9046	93	12
6105-01-517-9047	168	35
5340-01-517-9049	81	12
	139	26
	144	4
2920-01-517-9265	26	19

NATIONAL STOCK NUMBER	FIG.	ITEM
6150-01-517-9266	105	1
6150-01-517-9276	106	1
5305-01-517-9281	7	30
5305-01-517-9283	7	17
6645-01-517-9288	56	27
6110-01-517-9289	94	1
5340-01-517-9299	142	5
2805-01-517-9317	36	15
5999-01-517-9332	87	7
	88	11
	93	11
	94	7
6220-01-517-9334	70	6
6220-01-517-9338	60	15
6150-01-517-9351	4	1
6130-01-517-9353	84	18
6150-01-517-9354	100	1
5305-01-517-9373	7	5
5340-01-517-9374	7	25
5305-01-517-9375	7	23
5305-01-517-9377	7	4
5340-01-517-9387	10	13
5925-01-517-9408	55	44
	83	17
5315-01-517-9417	143	6
2920-01-517-9438	26	11
5310-01-517-9443	7	33
5305-01-517-9757	7	31
5340-01-517-9765	163	39
2540-01-517-9774	117	3
5310-01-517-9775	123	7
	140	4
3120-01-517-9777	142	27
5340-01-517-9785	139	24
4820-01-517-9786	48	13
4320-01-517-9791	36	26
5340-01-517-9824	158	5
	160	11
5310-01-517-9876	8	5
5310-01-517-9889	52	10
	164	10
2990-01-517-9893	11	7

NATIONAL STOCK NUMBER	FIG.	ITEM
5340-01-517-9904	139	28
5340-01-517-9939	139	29
5340-01-517-9956	139	15
6150-01-517-9973	60	8
5310-01-518-0051	58	34
5999-01-518-0112	90	11
5999-01-518-0143	90	10
5935-01-518-0147	90	8
5935-01-518-0148	90	7
5961-01-518-0151	90	9
5999-01-518-0157	93	15
	94	5
5999-01-518-0162	93	23
	94	8
5999-01-518-0169	100	19
5999-01-518-0181	99	17
5999-01-518-0236	99	16
6240-01-518-0240	171	58
6220-01-518-0243	171	59
6150-01-518-0245	77	3
6220-01-518-0249	171	57
6150-01-518-0258	6	19
6150-01-518-0261	BULK	12
5961-01-518-0263	83	13
4130-01-518-0265	8	17
5925-01-518-0283	75	33
5977-01-518-0284	26	15
5930-01-518-0290	8	19
4730-01-518-0375	172	2
5999-01-518-0390	83	7
2805-01-518-0391	36	34
2920-01-518-0395	26	18
5935-01-518-0417	89	3
	93	5
4210-01-518-0419	171	23
4820-01-518-0422	38	14
4210-01-518-0423	157	7
5995-01-518-0433	84	15
4210-01-518-0454	113	46
4810-01-518-0457	172	10
4210-01-518-0463	113	32
4730-01-518-0467	113	2
4210-01-518-0478	113	25
4210-01-518-0480	113	7
4730-01-518-0491	172	45
6680-01-518-0523	83	9
4320-01-518-0872	36	47
4320-01-518-0883	36	44
4730-01-518-0898	169	13
4710-01-518-0901	42	2
4210-01-518-0905	168	52
6620-01-518-0906	113	4
6680-01-518-0909	56	8
6680-01-518-0912	56	10
2920-01-518-0943	26	7
2920-01-518-0949	26	20
6685-01-518-0959	57	3
5310-01-518-0973	171	5
5310-01-518-0974	171	79
2920-01-518-0975	26	17
2910-01-518-0978	40	1
4820-01-518-0983	177	30
6680-01-518-0987	51	12
4820-01-518-0996	177	27
6680-01-518-1010	51	15
5340-01-518-1025	159	4
	160	18
	161	12
	163	41
4010-01-518-1029	48	29
4010-01-518-1033	50	20
5940-01-518-1036	181	12
2835-01-518-1250	16	4
2920-01-518-1252	83	12
6695-01-518-1267	56	5
4520-01-518-1286	7	10
5975-01-518-1306	177	13
2920-01-518-1329	55	15
5995-01-518-1330	91	5
	97	7
	98	9
	99	9
5940-01-518-1334	97	5
	98	31

NATIONAL STOCK NUMBER	FIG.	ITEM
5940-01-518-1334	100	36
5940-01-518-1348	91	15
	92	6
4320-01-518-1415	36	37
3040-01-518-1946	78	32
6680-01-518-1947	54	12
5365-01-518-1953	40	9
5940-01-518-1962	91	11
	92	9
6220-01-518-1968	54	20
4730-01-518-1972	46	11
	47	33
	48	3
	169	2
4730-01-518-1973	170	18
4730-01-518-1974	50	34
	113	9
	167	5
4730-01-518-1975	114	3
4730-01-518-1977	37	6
	47	19
	48	6
	51	1
	113	48
	167	13
4730-01-518-1981	47	8
4730-01-518-1982	113	18
4730-01-518-1983	113	22
4730-01-518-1984	50	36
4910-01-518-1985	163	11
5340-01-518-1987	163	48
5340-01-518-1999	156	10
	163	50
5330-01-518-2013	170	17
5330-01-518-2025	47	16
5330-01-518-2027	46	12
	47	32
	48	4
	169	1
5330-01-518-2030	50	35
	113	8
	167	6

NATIONAL STOCK NUMBER	FIG.	ITEM
5330-01-518-2031	114	2
5330-01-518-2033	37	7
	47	18
	48	7
	51	2
	113	49
	167	14
5330-01-518-2035	167	26
5305-01-518-2052	40	3
4320-01-518-2064	40	11
5330-01-518-2067	47	2
5330-01-518-2069	113	16
5330-01-518-2070	113	21
4320-01-518-2071	40	7
5330-01-518-2072	113	30
5330-01-518-2075	113	33
5330-01-518-2079	113	14
5330-01-518-2080	50	16
5315-01-518-2085	133	21
5315-01-518-2088	40	12
5330-01-518-2089	40	6
5180-01-518-2408	182	4
4820-01-518-2434	47	23
	113	27
5310-01-518-2435	171	2
3120-01-518-2437	40	8
4320-01-518-2441	179	12
4720-01-518-2445	BULK	22
4720-01-518-2482	BULK	27
4720-01-518-2489	BULK	13
	BULK	35
5340-01-518-2538	160	16
5340-01-518-2540	157	8
	158	4
5340-01-518-2543	158	1
5340-01-518-2544	158	3
5340-01-518-2546	157	3
5340-01-518-2804	138	3
	159	14
	160	21
	161	4
	163	40

NATIONAL STOCK NUMBER	FIG.	ITEM
5995-01-518-2816	104	1
5325-01-518-2817	171	83
5940-01-518-2830	181	13
6680-01-518-2831	86	2
5830-01-518-2853	84	20
5340-01-518-2859	81	9
	144	1
5830-01-518-2879	55	49
5820-01-518-2931	55	7
6110-01-518-2943	55	22
	57	5
5999-01-518-3260	40	2
2540-01-518-3313	155	19
6220-01-518-3355	55	56
6220-01-518-3360	55	64
4720-01-518-3643	BULK	10
4730-01-518-3650	179	2
4010-01-518-3673	137	6
	143	5
4010-01-518-3717	137	5
2540-01-518-3803	7	21
2540-01-518-3808	137	2
4030-01-518-3844	41	17
2540-01-518-4242	6	55
2540-01-518-4843	182	16
4320-01-518-5050	36	1
4210-01-518-5296	133	6
4210-01-518-5322	BULK	23
4210-01-518-5329	168	30
4210-01-518-5333	168	12
4210-01-518-5336	47	12
4210-01-518-5340	42	13
4210-01-518-5373	139	23
5340-01-518-5375	162	20
4730-01-518-5380	179	16
4730-01-518-5381	179	9
4730-01-518-5386	172	44
4730-01-518-5395	113	34
4730-01-518-5402	50	15
6230-01-518-5403	68	4
4730-01-518-5405	167	25
4720-01-518-5413	179	1
6150-01-518-5432	95	1
6680-01-518-5439	55	50
5935-01-518-5782	87	2
6105-01-518-5791	40	5
5940-01-518-5983	55	16
6110-01-518-6040	177	40
2815-01-518-6603	12	1
5945-01-518-6622	75	25
4730-01-518-7271	113	31
5120-01-518-8411	182	10
2940-01-518-8841	10	32
5975-01-518-9783	91	3
	97	9
	98	11
	99	7
	100	17
2940-01-519-0690	178	4
	178	5
	178	13
5340-01-519-0767	178	17
5935-01-519-0770	96	17
	100	33
	100	41
5935-01-519-1186	95	2
	96	22
5935-01-519-1190	96	30
5935-01-519-1808	95	17
8315-01-519-2396	138	28
8315-01-519-2400	136	8
	161	16
4730-01-519-2480	169	25
6620-01-519-2628	55	65
9905-01-519-3387	75	19
	173	2
5340-01-519-3844	162	34
5330-01-519-3918	178	18
5340-01-519-3925	177	21
5315-01-519-4148	177	37
5310-01-519-4149	178	22
9905-01-519-5486	79	7
6150-01-519-5516	177	16
5925-01-519-6972	83	3

NATIONAL STOCK NUMBER	FIG.	ITEM
2540-01-519-8144	177	35
5920-01-520-5328	177	38
7530-01-520-5373	7	8
5331-01-520-5438	7	35
6935-01-520-5882	7	12
3990-01-520-6390	137	22
3120-01-520-6545	140	20
4730-01-520-7107	178	36
5365-01-520-7402	177	36
4730-01-520-7433	178	31
2920-01-520-7810	177	17
6680-01-520-9175	55	51
5340-01-520-9878	128	2
4810-01-521-0493	6	25
4810-01-521-0501	51	37
4310-01-521-0538	6	35
4720-01-521-0979	178	24
5330-01-521-1773	167	31
4730-01-521-2609	48	25
6220-01-521-2720	38	2
5310-01-521-3745	36	25
5310-01-521-3747	36	49
6625-01-521-3923	175	12
6685-01-521-3950	6	52
5305-01-521-4349	36	24
5305-01-521-4353	36	20
6105-01-521-4575	6	38
5330-01-521-4597	BULK	2
4730-01-521-6588	167	32
4730-01-521-6644	22	15
2540-01-521-6663	55	32
4810-01-521-7626	179	8
4730-01-521-7630	179	14
4730-01-521-8068	22	3
6105-01-521-8367	50	28
5340-01-521-9245	80	4
5340-01-521-9251	160	15
4720-01-521-9587	177	22
2815-01-521-9908	6	34
2940-01-521-9916	9	5
2990-01-521-9923	80	1
5975-01-522-0910	BULK	24
4720-01-522-1349	177	23
4720-01-522-1439	177	8
4730-01-522-1657	177	31
5310-01-522-6093	123	1
5180-01-523-0258	182	1
6150-01-524-1862	57	1
5340-01-524-2263	7	37
5925-01-525-4319	76	3
6220-01-525-4424	65	1
4730-01-528-5992	2	16
2590-01-531-3002	8	12
5331-01-531-3975	7	36
5315-01-534-6779	120	13
3120-01-538-4377	149	4
5330-01-542-3232	178	7
5305-01-544-4600	34	7
5330-01-544-4708	34	2
5365-01-544-8531	110	32
5365-01-545-1758	35	7
5310-01-545-5036	27	8
5306-01-545-5168	14	2
	27	2
	109	27
5310-01-545-5247	27	14
5306-01-545-5628	14	3
5998-01-551-7885	84	17
6115-01-554-7224	27	4
5306-01-556-4631	78	44
5310-01-557-0654	8	2
	58	1
	122	18
5340-01-558-8931	147	11
5935-01-559-0546	100	32
5340-01-559-1078	127	5
5340-01-559-1974	127	3
5995-01-559-2129	59	12
2590-01-559-2425	143	1
6150-01-559-2696	60	9
5340-01-559-2775	66	12
2540-01-559-2878	166	1
2590-01-559-2904	2	2
2530-01-559-3056	2	32

NATIONAL STOCK NUMBER	FIG.	ITEM
3040-01-559-3240	143	7
5340-01-559-3583	66	7
5340-01-559-3586	60	4
2540-01-559-3598	150	1
5340-01-559-3883	66	6
5930-01-559-3908	55	58
4710-01-559-4360	143	8
7690-01-559-5277	55	62
5340-01-559-9286	66	10
5340-01-560-0326	60	10
2930-01-560-4953	27	5
2520-01-560-5003	27	6
5310-01-560-5008	27	7
6130-01-560-6660	82	1
2590-01-561-6202	7	19
4820-01-561-8767	114	10
5330-12-122-0605	15	2
	111	3
2815-12-123-0936	14	24
5330-12-124-0978	110	5
5310-12-124-3887	109	26
5325-12-126-3410	14	27
4730-12-134-0892	22	7
5310-12-142-8468	27	17
5330-12-142-9117	110	21
5310-12-143-1138	17	6
	108	15
	111	10
5330-12-143-6289	34	13
5305-12-151-9157	16	1
5310-12-153-7174	28	16
2910-12-156-2138	20	7
5330-12-156-4516	20	11
5330-12-156-4522	16	30
	19	8
	32	14
	35	13
5330-12-156-4523	17	8
	20	8
	21	25
5330-12-156-4524	17	17
5330-12-156-4525	111	17
5330-12-156-4525	111	22
5330-12-156-4526	34	15
5330-12-156-4806	35	6
5330-12-156-4838	14	36
	18	8
	22	8
	34	1
4730-12-158-8862	110	20
	111	1
5945-12-159-7938	55	35
	83	20
5365-12-162-9671	110	6
5331-12-163-1067	24	7
5305-12-163-1371	23	2
5307-12-166-7871	16	28
5325-12-167-0708	107	4
5310-12-167-7147	109	21
5340-12-171-2845	173	20
	174	5
2540-12-171-3411	173	19
	174	6
5310-12-180-5961	32	11
2940-12-186-3373	22	16
4730-12-189-4090	16	29
	17	14
4730-12-195-2871	16	10
5365-12-196-7484	24	10
	24	11
5365-12-308-3094	19	7
	30	8
5331-12-318-4030	22	9
5365-12-322-0750	28	3
4730-12-324-6719	16	12
5340-12-325-1206	25	4
5340-12-325-3651	111	4
5330-12-328-8836	16	17
5310-12-330-4708	16	13
4720-12-331-5926	21	17
4720-12-333-3860	21	13
5120-12-333-7782	182	13
5310-12-334-4063	14	23
4910-12-344-4610	182	8

NATIONAL STOCK NUMBER	FIG.	ITEM
5340-12-346-0141	16	23
5340-12-346-0167	25	5
	101	5
5310-12-346-0168	107	12
	110	49
2540-12-346-1912	173	21
	174	3
4320-12-346-2040	21	18
5305-12-346-2181	17	5
2990-12-347-3145	174	13
2920-12-348-5506	28	11
5305-12-348-6727	20	12
5330-12-349-0396	18	11
5961-12-349-2235	28	18
2920-12-349-2909	28	9
2990-12-351-0797	173	31
	174	18
4720-12-351-2042	173	29
	174	15
4910-12-355-6401	182	7
6685-12-355-7080	15	5
3030-12-356-0006	27	10
2920-12-359-2999	26	8
5330-12-360-5859	16	3
2540-12-360-5948	173	23
	174	17
2910-12-360-6787	19	9
2910-12-361-0703	22	17
5306-12-361-0975	15	10
	16	16
	24	3
	29	5
	107	11
	110	54
	111	11
2910-12-361-1126	21	24
4710-12-361-7865	18	3
5330-12-361-9035	23	3
5330-12-361-9040	15	13
5330-12-361-9043	14	21
5330-12-361-9044	14	29
5306-12-361-9458	16	21

NATIONAL STOCK NUMBER	FIG.	ITEM
5306-12-361-9458	23	8
	24	13
	29	7
	35	16
	109	29
	110	16
5306-12-361-9460	25	6
	30	20
	107	9
	109	6
5306-12-361-9464	23	7
	27	11
	107	2
5306-12-361-9468	15	11
	23	4
	29	10
	32	18
	108	14
	110	53
	111	25
5306-12-361-9477	108	8
3030-12-362-0831	110	36
5340-12-362-1498	16	22
5331-12-362-1571	19	10
2910-12-362-4067	18	9
2910-12-362-4068	18	10
2910-12-362-4069	18	5
3110-12-362-4279	28	7
5340-12-362-4776	14	22
4710-12-362-4892	16	31
4710-12-362-4893	16	20
4710-12-362-4894	16	18
4710-12-362-4895	111	14
4710-12-362-4898	23	6
2815-12-362-4899	14	33
2815-12-362-4900	14	1
5365-12-362-4904	13	1
5325-12-362-4905	110	19
5340-12-362-4930	17	7
5365-12-362-4931	16	2
5325-12-362-4932	107	15
5340-12-362-4933	13	2

NATIONAL STOCK NUMBER	FIG.	ITEM
5340-12-362-4934	13	5
5340-12-362-4935	110	15
5325-12-362-4936	18	14
5340-12-362-4938	15	14
	30	15
4720-12-362-5055	111	12
4730-12-362-5056	111	24
4720-12-362-5057	22	14
4720-12-362-5058	22	1
2910-12-362-5060	19	11
4730-12-362-5175	111	18
	111	23
5310-12-362-5176	25	2
	107	6
2940-12-362-5262	22	11
2930-12-362-5263	108	1
2930-12-362-5264	110	7
5310-12-362-5414	16	24
5310-12-362-5415	16	25
5310-12-362-5416	13	3
5365-12-362-5417	20	9
5342-12-362-5681	27	1
4730-12-362-5682	22	13
5310-12-362-5683	25	3
	107	5
5310-12-362-5684	25	11
5305-12-362-5812	17	1
5307-12-362-5813	16	14
2920-12-362-5814	28	10
5306-12-362-5816	22	18
	109	2
5306-12-362-5817	107	3
5305-12-362-5818	13	4
5307-12-362-5819	25	12
5306-12-362-5820	108	7
5306-12-362-5821	20	1
	27	12
5306-12-362-5822	18	4
5365-12-362-5878	110	23
5365-12-362-5917	15	1
5315-12-362-5918	14	28
2920-12-362-5978	28	6

NATIONAL STOCK NUMBER	FIG.	ITEM
2920-12-362-6007	28	17
2815-12-362-6066	14	20
5306-12-362-6067	14	19
	35	9
	111	5
5305-12-362-6068	14	17
5340-12-362-6251	14	4
5930-12-362-6415	110	18
2815-12-362-6623	16	26
2815-12-362-6624	14	5
4820-12-362-6625	19	13
2815-12-362-6626	14	32
2815-12-362-6627	14	26
4730-12-362-6769	15	7
5340-12-362-6918	107	13
5340-12-362-6919	107	8
3020-12-362-7244	15	8
3020-12-362-7245	15	9
5330-12-362-7395	16	27
5331-12-362-7396	19	12
5331-12-362-7397	108	9
5330-12-362-7398	23	5
5331-12-362-7524	111	15
5331-12-362-7525	111	9
5331-12-362-7526	22	12
5331-12-362-7527	22	10
	34	10
5330-12-362-7528	14	29
4910-12-362-8034	182	2
5120-12-362-8340	182	14
5120-12-362-8542	182	9
5331-12-362-8766	15	4
5331-12-362-8767	15	6
5330-12-362-8768	14	29
5331-12-362-8769	111	13
5120-12-363-0107	182	3
6685-12-363-1597	15	3
6685-12-363-1598	108	6
6620-12-363-1599	22	5
4720-12-363-7443	17	11
4720-12-363-7444	17	13
2910-12-363-8196	17	2

NATIONAL STOCK NUMBER	FIG.	ITEM
6680-12-363-8739	24	6
4730-12-364-0435	21	26
4910-12-365-3274	182	5
5305-14-515-2708	108	16
4730-14-515-3619	17	10
4330-14-515-3627	20	10
5365-14-515-3674	17	9
2815-14-515-3745	14	25
4730-14-525-7403	17	12
4720-14-525-7486	110	22
5999-15-174-6551	97	12
	98	20
	99	5
	100	3
4710-20-001-6660	21	11
5305-21-898-4493	26	6
4730-21-914-3820	170	39
5310-21-914-5238	24	25
4730-21-920-9834	178	37

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

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A-A-52506-F-104	9	3
A-A-55629	65	4
	116	13
	133	26
	138	10
	160	12
	161	5
	163	31
A-A-55629-1	59	5
A-A-55629-6	60	14
AA55569/01-005	55	41
AA55569/01-007	55	40
AA55569/01-008	55	42
AA55569/01-009	55	39
AA55628-27	136	22
AA55629-5	83	11
	146	15
	158	2
ABS56	10	27
ALHZ101S SS RH	146	4
	150	10
ALS4-1024-130	9	20
	38	1
	50	26
	55	1
	56	11
	61	4
	64	19
	66	11
	75	2
	85	5
	116	4
	119	42
	119	66
	121	1
	138	12
	156	7
	162	9

PART NUMBER	FIG.	ITEM
ALS4-1024-130	173	15
ALS4-420-260	68	15
	121	32
	161	1
ALS7-1024-225	57	4
	119	48
	119	67
	125	5
	137	15
	175	13
ALS7-1032-130	119	9
	119	78
ALS7-420-165	3	4
	10	21
	21	14
	55	14
	56	19
	74	1
	119	43
	119	60
	125	26
	157	2
	158	6
	159	5
	160	8
	162	5
	163	8
	165	8
	172	24
	181	4
ALS7-518-150	160	4
ALS7-616-150	55	27
AMC-F5	181	6
ANSI B18.2.2	59	7
	60	5
	142	1
AN365-1024A	6	50
	64	8

PART NUMBER	FIG.	ITEM
AN365-1024A	75	11
	80	2
	119	19
	119	58
	120	17
	121	2
	131	2
	134	2
	137	4
	138	21
	142	20
	160	14
	173	9
	179	5
AN500C8-14	155	13
AN665-21R	119	17
	119	86
ASTM A853	11	8
AS25036-157	93	34
	94	17
ATC-1	84	16
A2303-12-51PC6	163	20
A3013367-1	59	10
A3014039-2	59	11
A52426-1C BULK	BULK	21
A6P6	79	4
A733S-49CFB	172	29
B-12105CH	83	6
B-4-HN	2	26
B-600-1-4	2	8
B-810-2-4	2	29
BF06M1013C-6783MOD	12	1
BH550-1270	177	12
BH550-1452	177	11
BH560-1000	178	25
BP560-3000	178	39
BP560-3010	178	21
BP560-6290	177	14
BR-TB 400	9	8
BZ-223024	119	31
	119	72
B106-1992	100	20

PART NUMBER	FIG.	ITEM
B1821BH025C100N	1	5
	6	7
	117	10
	118	4
	119	107
	142	29
	157	6
	158	10
	162	1
	163	1
	170	4
	178	19
B1821BH025C113N	6	8
	45	9
B1821BH025C125N	6	40
	10	24
	42	8
	133	4
	139	25
	163	45
B1821BH025C150N	163	43
B1821BH025C200N	6	41
	18	18
	49	9
	117	8
	121	44
	135	5
	178	38
B1821BH025C250N	2	6
	6	49
	138	13
	170	13
B1821BH025C275N	53	18
B1821BH031C125N	37	17
B1821BH031C150N	36	63
	142	33
	170	44
B1821BH038C100N	10	37
	11	18
	54	16
	163	13
	166	3

PART NUMBER	FIG.	ITEM
B1821BH038C100N	167	16
	169	8
	170	8
	173	22
	173	32
	175	10
B1821BH038C113N	10	1
	20	3
	22	23
	36	54
	42	12
	49	4
	124	5
	172	13
B1821BH038C150N	9	9
	45	2
	50	4
	51	41
	133	12
	139	2
	175	8
B1821BH038C175N	133	15
B1821BH038C250N	19	5
	133	14
	169	14
B1821BH038C275N	121	27
B1821BH038C300N	170	7
B1821BH038C350N	167	4
	170	2
B1821BH038C400N	170	6
B1821BH044C100N	83	4
B1821BH044C125N	142	61
B1821BH044C150N	84	13
	117	1
B1821BH044C175N	37	2
B1821BH050C050N	138	33
B1821BH050C075N	8	9
	51	23
	138	19
B1821BH050C113N	142	26
	179	21
B1821BH050C175N	177	33

PART NUMBER	FIG.	ITEM
B1821BH050C200N	140	13
	142	10
B1821BH056C100N	145	11
B1821BH056C125N	120	9
B1821BH063C150N	51	26
B1821BH063C325N	164	15
B1821BH063C375N	164	8
B1821BH075C075N	55	18
B1821BH075C125N	123	18
	169	23
B1821BH075C600N	50	5
B1821BH088C500N	52	8
B18234B12030N	123	21
B183998267	26	6
C 694-097-104	151	7
	152	10
	153	5
	154	9
	155	10
CA 1 60 807-001	75	18
	173	7
CA012058	21	11
CC121245PDB24	6	18
CDM1550	55	7
CH115GF	75	28
CH16L125B	75	21
CH220GF	75	26
CH225	75	29
CH240EPD	75	34
CH270	75	35
CH8BS	75	33
COV-1109Z1	55	13
COV0509Z1	41	14
CP1282	54	13
CR08-14-48/39	177	23
CR08-36-48/50	177	8
CR08-7-48/81	177	22
CS20-A1007-J3PX	179	13
CT-9410	6	24
CT619-569	178	18
CV-370-MPMP-5	21	10
CV0200-2	175	1

PART NUMBER	FIG.	ITEM
CV10-23-0-N-5	177	27
C0V0909	55	2
	125	19
	173	12
C091-902A	5	3
C104	10	6
C410C-75-566-S	10	13
C412C-75-410-S	10	8
C5455X12	169	20
C844-1420	122	4
	162	30
D-406-0003	4	13
	6	22
	87	4
	88	5
	93	36
	98	4
	99	2
DB338	5	13
	170	46
DF110-3088	177	37
DIN125-A17-140HV-A3P	32	11
DIN137-A5-1.4310	28	16
DIN3016-D1-6X15-W1-2HVQ1-70	111	4
DIN3017-A-90-110X13-W2-W	16	10
DIN471-21X1,2	14	27
DIN7603-A10X13,5-AL	110	21
DIN7603-A10X16-A	15	2
	111	3
DIN7603-A14X18-C	16	30
	32	14
	35	13
DIN7603-A14X18CU	19	8
DIN7603-A14X20-C	17	8
	20	8
	21	25
DIN7603-A16X20-C	17	17
DIN7603-A16X22-C	111	17
	111	22
DIN7603-A18X22-C	34	15
DIN7603-A18X24-C	24	11
DIN7603-A20X24-A	110	5

PART NUMBER	FIG.	ITEM
DIN7603-A26X31-A	34	13
DIN7603-A26X31-C	14	36
	18	8
	22	8
	34	1
DIN7603-A6X10-CU	20	11
DIN7604-A-M14X1,5-ST-A4C	19	7
	30	8
DIN7643-10-1.0501-A4C	16	29
	17	14
DIN7643-6	110	20
	111	1
DIN908-M20X1,5-S	110	6
DIN910-M14X1,5-ST-ZNAL-A	20	9
DIN910-M18X1,5-ST-A3P	24	10
DIN934-M10-1.770	16	13
DIN934-M10-8-A2C	109	21
DIN934-M12-8	109	26
DIN934-M8-10-A2P	27	17
DIN939-M10X25-1.7709	16	14
DT04-12PA-B016	87	2
DT04-2P-E004	95	19
DT04-4P	87	3
	95	20
	96	3
DT04-6P-E004	96	26
DT04-8PA-E004	100	32
DT06-4S-P012	87	6
DT06-6S-P012	95	2
	96	22
DT06-8SA-P012	95	24
DT733-110	177	21
DT733-155	177	36
DUAL PRO 15X2	82	1
D31BR	170	54
E-014-023	55	64
E-014-024	55	56
E-150	181	13
E-500-NB.40	68	1
EAA-8350-U-90	149	16
ECR1618-17-18RT	78	1
ED-5340	125	34

PART NUMBER	FIG.	ITEM
ED-5340	173	36
EN1662-M10X20-F-10.9-A3P	22	18
EN1662-M10X20-F10.9-A3P	109	2
EN1662-M6X30-F-10.9	108	7
EN1662-M6X90-F-10.9	108	8
EN1662-M6X95-F-10.9-A2P	14	19
	35	9
	111	5
EN1662-M8X12-F-10.9-A2P	25	6
	30	20
	107	9
	109	6
EN1662-M8X30-F-10.9	107	3
EN1662-M8X35-F-10.9-A2P	15	11
	23	4
	29	10
	32	18
	108	14
	110	53
	111	25
EP-171-40	68	4
ESPT-1	6	30
ETRRSS24	55	30
EW081601	140	20
E03021E-504X-01	54	15
F-XWFDS.25X1.25	125	3
F-XWFDS.31X1.50	154	14
F-XWFDS.38X1.00	140	7
FCP2	51	19
FC647-6GRN	BULK	22
FN12A054	138	6
	139	5
	154	18
	167	20
FP00900	36	1
FR-0	178	29
FROG-D	175	12
FS-F-32	BULK	23
FS-2	72	4
	73	2
F13445	117	3
F504-02-AH	5	5
G-060-077-0E0	50	37
G014077LT0	46	12
	47	32
	48	4
	169	1
G321	158	5
	160	11
G421	157	8
	158	4
G620-05-A-1	178	27
G9	146	3
	148	2
	149	10
	150	9
	151	14
	152	15
	153	12
	154	33
	155	15
HBL5221	72	1
HD-500-120	68	2
HDP24-24-16PN	87	20
	91	18
	98	8
	100	25
HDP24-24-19PN	88	16
	93	21
	94	15
	99	10
	100	27
HDP24-24-21PN	93	18
HDP24-24-23PN	94	12
HDP26-24-16SN	96	29
	100	32
HDP26-24-16SN-L017	100	7
HDP26-24-19SN	87	29
	88	4
	90	4
	96	27
	100	31
HDP26-24-19SN-L017	100	6
HDP26-24-21SN	100	44

PART NUMBER	FIG.	ITEM
HDP26-24-23SN	96	30
HS-3	77	6
H001145	8	7
	120	31
	173	24
H07-8	54	3
H1/4U-11020	172	44
H211GF16N5EG5	172	10
H3223-C10X20-ST/MVQ-1-70	16	23
ISO4014-M16X110-10.9	13	4
ISO4017-M8X20-10.9-A4C	17	5
ISO4032-M8-8	107	12
	110	49
ISO4762-M8X25-8.	17	1
J04-0917-4-45FT	59	12
J240001	11	5
J514 8-8 070302B	2	31
KG160-2X1.5WZ	47	15
KG160-2X1.5WZ-GASKET	47	16
K5-2856-52	51	6
LAS-975-24	133	6
LD44750PT0	113	13
LD44750PT0-GASKE	113	14
LG3.5X4	178	28
LL-101-211500-1	54	12
LPVM-7	157	3
LQC3/8	BULK	24
LS35033-8-06	133	24
L020007PT0	37	6
	47	19
	48	6
	51	1
	113	48
	167	13
L124720	96	2
	100	33
M-427	170	52
MB243B-20003	155	3
MB284A-20004	BULK	25
MCL-0000-0001	55	16
MC5315X6X216	17	16
	21	7

PART NUMBER	FIG.	ITEM
MILR3065GRSC615-125	BULK	26
MIS171385-ESPT	6	45
MIS536	8	3
MIS771300	8	6
MIS900	54	7
ML6380000A40000	108	4
MN264-3	177	38
MS 813	8	5
MS15571-8	79	2
MS15795-813	55	20
MS15795-814	136	16
MS15795-822	123	17
MS15795-842	85	10
MS15795-853	68	8
	122	2
MS15795-856	136	2
MS16286-1	3	2
	163	7
	170	14
MS16286-3	163	19
MS16995-81	177	20
MS16997-100	136	15
	139	7
MS16998-58	178	6
MS17830-010C	53	6
MS18005-4530	67	2
MS20074-03-34	179	11
MS20659-128	87	26
	91	17
	93	3
	100	12
MS20659-141	94	18
MS20659-142	4	8
	93	40
	96	25
MS20659-29	95	14
MS21042-08	163	10
MS21044N5	39	6
MS21207-10-24	121	11
	122	5
	162	22
MS21207-6-10	85	9

PART NUMBER	FIG.	ITEM
MS21207-8-10	70	3
MS21207-8-6	134	5
MS21333-68	41	13
	181	17
MS24523-21	56	23
MS24523-22	55	54
	56	21
MS24523-23	56	24
MS24627-48	84	2
MS24627-49	50	24
MS24627-54	52	6
MS24628-53	148	13
	149	18
	151	2
	152	12
	153	25
	154	11
	155	12
MS24628-64	145	2
	158	12
MS24628-66	158	7
MS24629-15	76	14
	85	8
	136	14
	163	34
MS24629-22	24	18
MS24629-37	136	1
MS24629-48	116	9
	148	16
	149	15
	151	23
	152	25
	153	22
	154	22
	155	25
	176	10
MS24665-418	119	16
	119	24
	119	87
	119	89
MS24667-28	36	38
MS24671-23	163	12

PART NUMBER	FIG.	ITEM
MS24679-23	53	8
MS24679-7	9	12
	156	3
	159	2
MS24680-25	136	7
MS24680-26	136	27
MS25035-154	95	8
MS25036-106	93	9
MS25036-112	6	20
	95	26
MS25036-114	4	9
	93	41
MS25036-53	93	32
MS25082-C6	126	7
MS27183-11	11	19
	18	16
	24	22
	36	64
	37	13
	41	27
	46	1
	51	30
	59	15
	60	3
	76	8
	117	6
	120	19
	120	33
	121	45
	135	3
	140	15
	142	3
	147	7
	160	3
	165	2
	169	11
	170	43
	174	9
MS27183-12	173	25
MS27183-13	9	10
	10	2
	19	4

PART NUMBER	FIG.	ITEM
MS27183-13	20	2
	22	21
	36	21
	41	18
	42	10
	45	3
	49	3
	51	40
	61	6
	116	7
	120	3
	121	29
	124	4
	133	8
	134	10
	137	8
	138	38
	139	8
	163	14
	169	7
	172	14
	173	18
	173	34
	174	2
	175	7
MS27183-14	54	18
	139	4
	166	2
	170	5
MS27183-15	83	5
	84	12
	117	2
	142	60
	159	7
	168	36
MS27183-17	51	22
	138	20
	142	9
	179	19
MS27183-19	120	10
	121	6
	145	10

PART NUMBER	FIG.	ITEM
MS27183-21	51	24
	52	15
MS27183-23	53	1
	169	22
MS27183-25	52	9
MS27183-27	42	7
MS27183-41	6	42
	9	21
	10	28
	39	7
	54	2
	62	2
	64	7
	65	3
	66	1
	67	8
	73	4
	75	4
	79	5
	80	3
	83	2
	85	6
	121	4
	122	8
	125	9
	129	2
	130	2
	132	3
	136	13
	137	3
	138	23
	140	9
	142	19
	151	19
	152	21
	153	18
	154	27
	155	21
	156	8
	159	11
	170	21
	175	14

PART NUMBER	FIG.	ITEM
MS27183-41	176	9
	179	10
	181	16
MS27183-5	59	4
	83	22
	121	22
	125	15
MS27183-9	3	9
	6	5
	6	47
	9	25
	21	21
	41	3
	45	13
	46	8
	48	24
	53	16
	55	5
	56	18
	66	4
	81	22
	117	12
	118	2
	121	35
	137	12
	138	14
	139	16
	142	31
	146	5
	148	10
	151	5
	152	6
	153	3
	154	3
	155	6
	157	4
	158	8
	162	3
	163	2
	165	7
	170	3
	172	39

PART NUMBER	FIG.	ITEM
MS27183-9	178	20
	179	4
	181	2
MS27952-7	78	43
MS28778-32	24	2
MS28778-4	38	7
MS3367-7-9	110	17
MS35190-272	119	28
	119	82
MS35190-288	142	6
MS35190-289	56	16
MS35190-291	161	3
	162	13
MS35190-293	76	4
	147	6
MS35190-307	142	11
MS35198-73	157	1
MS35206-230	6	32
	6	44
	59	3
	72	2
	133	19
	163	26
MS35206-232	73	8
	121	21
	177	2
MS35206-237	177	1
MS35206-238	170	53
MS35206-245	125	17
MS35206-260	122	16
MS35206-263	51	8
	53	3
	56	6
	79	6
	80	7
	119	3
	119	52
	126	1
	127	7
	128	7
	129	1
	130	1

PART NUMBER	FIG.	ITEM
MS35206-263	132	4
MS35206-265	62	6
	64	1
	64	16
	75	13
	81	13
	144	5
	148	19
	149	2
	150	11
	151	21
	152	23
	153	19
	154	26
	155	23
	173	14
MS35206-267	9	23
	64	18
	65	2
	66	8
	75	6
	137	1
	146	6
	147	2
	148	24
	149	8
	151	16
	152	17
	153	14
	154	31
	155	17
	156	1
	170	22
	173	1
	181	18
MS35206-269	142	23
MS35206-270	140	14
	142	57
MS35206-271	138	25
MS35206-277	138	45
MS35206-279	55	6
	145	12

PART NUMBER	FIG.	ITEM
MS35206-279	170	12
MS35206-283	9	16
	41	2
	58	26
	86	1
	125	6
	160	5
	162	31
	172	43
	179	3
MS35206-284	142	44
MS35206-285	142	53
MS35206-294	162	26
MS35206-298	82	12
MS35206-307	55	11
MS35206-338	67	6
MS35206-350	76	5
	154	13
MS35207-264	38	13
MS35207-265	5	9
MS35243-88	160	17
MS35307-303	3	6
MS35307-306	21	23
	55	8
MS35307-310	68	6
MS35307-332	46	3
	51	31
	142	24
	167	19
MS35307-334	8	4
	60	1
	142	55
	148	12
	151	3
	152	4
	153	1
	154	1
	155	4
	160	1
MS35308-360	120	6
	134	9
	163	29

PART NUMBER	FIG.	ITEM
MS35308-367	120	4
MS35333-105	37	4
	84	7
	159	8
MS35333-130	24	16
	36	70
MS35333-76	133	13
	136	21
MS35336-35	59	6
MS35338-114	120	11
MS35338-138	58	29
MS35338-157	53	7
MS35338-158	2	10
	3	7
	6	6
	8	13
	10	26
	21	22
	41	12
	42	5
	45	14
	46	7
	48	23
	55	9
	56	17
	58	13
	58	38
	60	2
	62	3
	68	7
	117	13
	118	3
	119	104
	124	7
	125	2
	133	17
	136	6
	138	17
	139	12
	146	14
	147	10
	148	11

PART NUMBER	FIG.	ITEM
MS35338-158	151	4
	152	5
	153	2
	154	2
	155	5
	157	5
	158	9
	162	2
	163	6
	165	6
	172	38
	178	15
	179	24
	181	3
MS35338-159	41	28
	117	7
	120	20
	135	2
	136	26
	142	2
	149	12
MS35338-160	9	11
	20	6
	36	53
	42	11
	45	5
	49	2
	50	3
	51	32
	54	11
	54	17
	55	12
	116	8
	120	2
	121	28
	124	2
	133	7
	134	11
	136	17
	138	39
	139	3
	139	9

PART NUMBER	FIG.	ITEM
MS35338-160	169	33
	172	20
	173	33
	175	6
MS35338-43	5	10
	9	22
	55	29
	61	7
	66	2
	67	9
	73	5
	75	5
	85	7
	116	6
	121	3
	122	6
	136	12
	137	14
	138	11
	138	22
	146	13
	156	9
	162	15
	163	17
	170	20
	175	15
	179	6
	181	15
MS35338-44	9	26
	81	21
	142	30
	145	5
MS35338-45	18	17
	36	65
	37	12
	46	2
	76	2
	121	46
	138	5
	154	19
	160	2
	165	3

PART NUMBER	FIG.	ITEM
MS35338-45	174	10
MS35338-46	6	37
	11	20
	166	5
	168	37
	170	41
	173	17
	175	21
MS35338-48	51	21
	138	27
	142	8
	177	32
	179	20
MS35338-50	51	25
MS35338-51	50	9
	53	22
	55	19
	123	19
MS35338-99	6	43
MS35489-36	170	10
MS35489-49	10	29
	60	7
	66	9
MS35649-202	58	6
	163	18
	181	14
MS35649-2252	139	13
MS35649-2254	124	8
MS35649-2314	6	36
	36	66
	37	11
	76	7
	118	7
	135	1
	162	33
	170	42
	174	11
MS35649-262	133	22
	177	39
MS35649-282	125	14
	170	57
MS35691-1	133	16

PART NUMBER	FIG.	ITEM
MS35691-17	133	10
MS35751-99	11	2
MS51029-50	68	5
	68	17
	68	20
MS51095-303	165	4
MS51412-1	170	56
MS51412-10	140	12
MS51412-14	50	6
MS51412-4	10	25
	124	9
	133	5
MS51500-B8	172	27
MS51500A16	169	16
MS51500A6-6	36	62
	172	32
MS51500A8-12S	178	16
MS51500A8-8	178	32
	178	33
MS51504A4-4	50	30
MS51504A4S	10	5
MS51504A8	36	58
MS51508A4Z	36	59
MS51518B6	36	67
	48	17
MS51520A12	24	15
	36	56
MS51520A6Z	36	68
MS51523A4	179	33
MS51525A16	178	34
MS51531B12	36	55
MS51831-103L	59	8
MS51846-46	41	24
MS51859-5	5	11
MS51859-6	162	23
MS51859-8	36	7
	163	32
MS51862-6	62	8
MS51869C15	178	2
MS51957-111	174	4
MS51957-18	70	9
MS51957-45	83	21
MS51957-57	76	12
MS51957-60	85	18
	121	7
	138	2
	146	10
	175	18
MS51957-61	58	4
	81	10
	144	2
MS51957-63	44	3
	45	15
	55	4
	56	2
	58	5
	73	6
	77	5
	82	9
	83	10
	159	1
MS51957-64	131	6
	150	7
MS51957-65	75	8
	121	9
	142	17
	162	16
	173	4
MS51957-67	172	7
MS51957-79	140	11
	159	13
MS51957-80	46	6
MS51957-81	8	14
	43	13
	121	36
MS51957-83	10	30
	136	4
	181	1
MS51957-86	121	18
	122	1
	162	27
	165	5
MS51957-96	136	25
MS51958-65	6	1

PART NUMBER	FIG.	ITEM
MS51958-65	39	12
	56	13
	57	6
	58	35
	61	2
	70	8
	71	3
	83	8
	116	3
	139	27
	150	12
	175	16
MS51958-94	123	6
MS51959-36	170	16
MS51959-47	6	11
MS51959-49	56	9
MS51959-63	55	48
	58	40
	116	11
	137	23
	161	7
	163	37
MS51959-65	160	25
	162	7
MS51959-82	159	9
MS51963-65	152	28
MS51967-11	37	5
	84	8
	142	59
MS51967-17	41	11
	120	12
MS51967-2	2	11
	6	13
	45	11
	55	21
	136	30
	138	18
	147	9
	172	25
	172	37
	178	14
	179	23

PART NUMBER	FIG.	ITEM
MS51967-24	53	21
	123	20
MS51967-35	149	11
MS51971-5	50	10
	138	26
	142	7
MS51971-7	2	3
	164	14
MS51972-3	120	1
MS52150-2SA-D	41	5
MS90725-176	52	18
MS90725-5	3	11
MS90725-6	9	27
	48	22
	53	10
	58	12
	66	5
	74	4
	81	20
	82	2
	119	112
	124	10
	125	1
	163	35
MS9734-06	78	20
MT550-600	178	17
M070069	11	14
M10-1/8F80HG	22	3
M2742630152D	171	20
M393C	71	2
M3971/2-5	177	5
M45913/1-10CG5C	52	14
M45913/1-12CG8Z	169	21
M45913/1-4CG5C	8	11
	141	1
M45913/1-5CBB	142	14
M45913/1-6CG5C	10	7
	11	9
	42	4
M45913/1-8CG5C	140	22
	142	15
M45913/1-9CG5C	145	9

PART NUMBER	FIG.	ITEM
M45913/2-14CG5C	52	12
	164	12
M6X16DIN799A2P	23	2
M82580012A20000	108	5
NASM35202-73	146	7
NAS1352-6-56	177	29
NAS1635-06-16	69	5
NAS1635-08-10	65	5
NAS3104-10-10	176	11
NAS3105-12-12	174	12
NAS42DD6-5	147	3
	163	9
NBR-6-075	BULK	27
NT10006BK100	BULK	28
NWBCI-164D	177	19
NYLGS031X24X24	BULK	29
OR5X1,5-62NBR/15	24	7
P-1210	83	14
PB100B	84	11
PFT-4A-BLU	BULK	30
PFT-4A-RED	BULK	31
PF42	172	1
PMKG-LT	181	12
P01-8464	9	6
P206341	11	6
P206367	11	1
P207363	11	12
P27-0538	11	11
P524837	10	36
Q500T3CL120V	68	3
R-9520	7	1
RD-1-2006-0	7	21
RD-11-0155-OP	KITS	1
RD-2-0815-14-70	8	10
RD-2-1647-24	8	18
RD-2-1649-29	8	21
RD-2-3070-0	7	26
RD-2-3171-0	7	16
RD-3-10139-0	7	15
RD-3-10142-0	7	39
RD-3-3174-0	7	19
RD-3-7383-1	7	20

PART NUMBER	FIG.	ITEM
RD-3-7696-0	7	22
RD-3-7697-0	7	9
RD-3-8113-0	7	12
RD-3-8928-0	7	2
RD-3-8934-0	7	32
RD-3-8939-0	7	29
RD-3-8942-0	7	11
RD-3-9008-0	7	3
RD-3-9026-0	7	18
RD-3-9884-0	7	28
RD-4199-0	7	13
RD-4220-0P	8	12
RD-5-108810-0	6	34
RD-5-10900-0	6	35
RD-5-11438-0P	7	34
RD-5-11440-0P	7	14
RD-5-3647-OP	7	7
RD-5-3730-0M	7	36
RD-5-3816-18	7	6
RD-5-4017-013M	7	35
RD-5-4089-0	7	25
RD-5-4487-0	7	10
RD-5-4556-1	7	30
RD-5-4606-0	7	8
RD-5-5150-OP	9	4
RD-5-5152-0P	9	2
RD-5-5432-0P	9	5
RD-5-5630-1-12	7	4
RD-5-5679-0M	7	33
RD-5-5743-0-40	7	31
RD-5-6125-0	8	16
RD-5-6239-0	7	24
RD-5-7063-0	8	17
RD-5-7218-0-375	7	23
RD-5-8076-0P	7	27
RD-5-8222-1-12	7	5
RD-5-8222-1-16	7	17
RD-5-8410-0	7	37
RD-5-8433-0	8	19
RD2-3184-1	7	38
RFBN3HC110DC10A1.0/12	178	4
	178	5

PART NUMBER	FIG.	ITEM
RFBN3HC110DC10A1.0/12	178	13
RLN5233A	85	1
	85	13
RLN5233AXA1	85	2
RLN5233AXA1	85	14
RLN5233AXA2	85	3
	85	15
RLN5233AXA3	85	4
RSC080804	177	4
RV50-22A-0-P-50/45	177	30
SAE J246 4-4 100202BA	46	14
	47	11
	113	11
	114	5
	167	11
	169	5
	170	31
SAE J530 12-8 130140BA	2	20
SC50	50	11
	113	1
SD-60123	84	17
SDLA-70	83	3
SE-8	84	6
SE-8SRPTT	84	1
SHC-1022	177	18
SHC-1024	72	8
	75	16
SHC-1027	75	15
	82	7
SHC-1033	5	8
SHC-1037	54	5
	78	52
	82	6
SHC-1043	177	13
SHC-1052-ZP	75	23
SHC1036	72	6
	73	1
SK60-08X3X50	BULK	32
SK60-16X3X50	BULK	33
SK60-24X3X50	BULK	34
SL1	54	8
SL2	54	6

PART NUMBER	FIG.	ITEM
SM-B-916814-2	82	3
	133	25
	136	31
SM2	68	16
SN-524NE-24	169	10
SP-563	55	23
	56	26
SPLE101D05	119	105
S85DCHXXZNXX	119	32
	119	71
S8522RAXCRKT	119	30
T-218758	9	13
	114	8
TC-115	80	1
TDH02-GERR	6	52
TE201010-T/P	6	10
TF-14PC1UC	93	12
TF-17PC1UC	93	25
TF-18PC1UC	93	2
TLS68	43	16
	44	4
TM	68	19
TR756015	6	46
TSD-240-7000	55	15
TYVY-5812-50	BULK	35
UR-20-1.5 ZZA	47	23
	113	27
US-67D	84	20
U450	51	28
	113	19
VA10-BP9/C-25A	8	1
VF4-15F11	55	37
VM-5-V	157	7
VR63-4C/UL	177	40
V1352	55	53
V2172	55	24
	56	31
WC375/05-001	75	27
WO560-2140	177	10
W0702-618A	177	31
W0990-5640	178	36
W12S-P012	96	17

PART NUMBER	FIG.	ITEM
W12S-P012	100	33
	100	41
W2P	95	17
W4P	95	22
	96	32
W4S	100	40
W4S-P012	95	4
	96	20
	98	23
W58XB1A4A-3	177	6
W58XB1A4A-30	177	3
	177	7
W8S-P012	95	23
XX-B	160	15
X002252	10	3
X004478	11	17
X005921	11	3
X007831	11	13
0 290 800 036	28	14
0 332 002 250	55	36
000-36331-0000	41	9
00133-948-00	79	9
003-0463	182	11
003-22-004	75	22
0030536	182	12
00322001LPK50	75	14
00590101	37	1
006451499	2	22
00815	64	11
01-0263729-53	69	2
01-0263729-53-XA	69	8
01-0663729-00	69	1
0102-12-8	41	10
	170	25
0103-12-12	172	16
0103-24-24	115	13
01080571	101	19
0110 3783	112	2
0110 7111	25	2
	107	6
01102168	109	22
01103341	109	23

PART NUMBER	FIG.	ITEM
01107552	109	25
01107830	30	23
	110	14
01107844	110	28
0111 2824	29	9
0111 2856	25	3
	107	5
0111 8693	30	5
01110423	30	4
	35	12
01118646	109	19
0112 4457	110	40
0112 6185	27	15
0112 8276	16	12
01122154	30	21
01125590	32	12
0113 1075	35	7
0113 1115	27	8
0113 7064	111	18
	111	23
0113 9441	112	1
0113 9579	23	10
01133726	110	25
01136503	109	20
01136951	110	37
0114 3369	108	16
0114 8124	27	14
0114 8158	34	2
0114 8540	27	3
0114 8605	16	6
0114 8606	16	8
0114 8623	25	9
01143324	101	11
01143364	34	19
01143370	109	8
01143503	32	15
01143505	110	4
01144447	31	7
01144511	109	1
01148131	32	10
01148234	34	18
01148420	110	26

PART NUMBER	FIG.	ITEM
01148634	35	8
0115 3857	14	11
01151019	110	48
01151645	34	9
0116 3944	107	4
0116 5828	14	7
0116 7310	18	13
01160962	32	8
0117 2655	110	43
0117 3965	111	19
0117 4421	22	16
0117 5851	22	9
0117 6435	25	5
	101	5
0117 7491	109	32
0117 8213	22	10
	34	10
0117 8421	24	5
0117 8626	17	10
0117 8750	29	1
0117 9415	23	13
0117 9586	25	10
0117 9634	14	6
0117 9635	15	14
	30	15
0117 9648	27	10
0117 9718	23	9
0117 9759	111	20
01178181	29	4
01179116	110	29
01179193	35	19
01179592	109	3
01179630	14	18
01179730	110	31
0118 0060	15	4
0118 0071	111	7
0118 0277	15	6
0118 0309	111	15
0118 0403	21	26
0118 0504	17	13
0118 0505	17	11
0118 0597	20	10

PART NUMBER	FIG.	ITEM
0118 0811	16	19
0118 0849	110	36
0118 0888	110	32
0118 1084	24	1
0118 1379	24	6
0118 1390	14	3
0118 1400	13	3
0118 1403	14	28
0118 1404	23	15
0118 1406	23	17
0118 1416	23	7
	27	11
	107	2
0118 1432	20	1
	27	12
0118 1433	15	10
	16	16
	24	3
	29	5
	107	11
	110	54
	111	11
0118 1435	14	2
	27	2
	109	27
0118 1436	16	21
	23	8
	24	13
	29	7
	35	16
	109	29
	110	16
0118 1443	18	4
0118 1548	111	9
0118 1763	18	2
0118 1773	112	4
0118 1859	27	5
0118 1860	22	12
0118 1933	22	14
0118 1934	22	1
0118 2010	27	6
0118 2036	16	24

PART NUMBER	FIG.	ITEM
0118 2187	27	9
0118 2265	18	12
0118 2271	27	7
0118 2393	111	8
01180205	34	21
	110	55
01180206	34	20
01180218	29	15
01180272	110	11
01180290	34	16
01180412	17	12
01181044	109	15
01181155	30	3
01181178	30	7
01181429	32	1
01181430	32	2
01181431	34	8
01181438	32	19
01181439	32	17
01181442	32	4
01181458	32	21
01181965	35	4
01182031	30	2
01182032	30	14
01182033	30	11
01182153	27	4
01182177	34	14
0120488283	28	11
0131 9139	18	28
0131 9140	18	29
0131 9862	19	13
0134 0075	19	11
0134 0130	19	9
0134 0131	19	12
01388766	110	34
01404897	109	11
01404898	109	12
01404903	109	13
01409888	20	7
0157018 F18	170	49
0170-41-65-06	16	1
018-1624-20-0	40	3

PART NUMBER	FIG.	ITEM
02011-7G416	133	3
	137	10
	160	20
02055990	178	12
0206 2121	178	7
0206 2121XA1	178	8
0206 2121XA2	178	9
0206 2121XA3	178	10
0206 2121XA4	178	11
0210 9637	14	23
0211 1299	17	2
0211 1370	17	7
0211 1519	21	24
0211 1840	112	5
0211 1918	18	3
0211 2400	18	1
0211 2588	112	3
0211 2963	18	25
0211 3001	18	27
0211 3022	18	26
0211 3023	18	26
0211 3024	18	26
0211 3025	18	26
0211 3026	18	26
0211 3027	18	26
0211 3028	18	26
0211 3029	18	26
0211 3030	18	26
0211 3031	18	26
0211 3032	18	26
0211 3033	18	26
0211 3034	18	26
0211 3035	18	26
0211 3036	18	26
0211 3037	18	26
0211 3038	18	26
0211 3039	18	26
0211 3040	18	26
0211 3041	18	26
0211 3042	18	26
0211 3043	18	26
0211 3044	18	26

PART NUMBER	FIG.	ITEM
0211 3045	18	26
0211 3046	18	26
0211 3047	18	26
0211 3048	18	26
0211 3049	18	26
0211 3050	18	26
0211 3051	18	26
0211 3052	18	26
0211 3053	18	26
0211 3054	18	26
0211 3055	18	26
0211 3056	18	26
0211 3057	18	26
0211 3159	19	6
02133835	110	42
02133837	110	44
02136433	110	45
02136434	110	39
0214 3324	16	28
02144081	29	11
02162026	109	16
02237847	110	38
0224 9331	25	4
02306-6	21	3
02389-00	86	2
02929430	31	2
02929431	31	2
02929432	31	2
02929438	31	1
02929439	31	1
0293 4437	14	12
0293 4438	14	12
0293 4446	14	16
0293 4447	14	16
0293 4449	14	14
0293 4450	14	14
02931473	31	6
02931474	31	6
02931475	31	6
030-1088	182	10
0301056	182	6
0332204204	55	35

PART NUMBER	FIG.	ITEM
0332204204	83	20
0332207402	55	34
	83	15
0336 5861	14	24
03360758	109	5
03363687	110	30
03363990	29	3
0414 1419	17	9
0417 5610	18	11
04172492	109	9
	110	52
0418 2520	16	17
0418 9582	18	24
0419 1445	22	17
0419 4998	18	15
0419 7422	16	25
0419 7633	23	11
0419 7729	34	7
0419 7913	24	4
0419 8035	18	14
0419 8572	29	2
0419 8741	23	5
0419 8968	15	13
0419 9094	25	7
0419 9317	107	15
0419 9382	108	6
0419 9575	25	1
0419 9602	18	20
0419 9761	14	35
	18	7
0419 9823	22	5
0419 9831	110	18
04190848	101	3
04190851	101	4
04190852	18	23
	101	8
04190853	18	22
	101	9
04190860	18	21
	101	14
04192460	30	19
04194078	35	5

PART NUMBER	FIG.	ITEM
04194629	101	7
04194932	101	16
04194944	101	18
04197585	34	17
04198792	15	5
04199177	110	10
04199252	101	17
04199563	101	12
04199565	101	13
04199599	101	15
04199769	101	10
04199792	32	16
04199973	101	2
0420 0114	14	9
0420 0150	14	10
0420 0486	15	7
0420 0582	111	13
0420 0740	110	19
0420 0959	14	26
0420 0960	14	33
0420 0961	14	1
0420 1238	14	12
0420 1463	108	9
0420 1466	111	12
0420 1559	14	29
0420 1560	14	29
0420 1561	14	29
0420 1666	18	5
0420 2005	14	17
0420 3794	108	10
0420 3803	107	8
0420 4023	14	25
0420 4450	23	16
0420 4459	24	9
0420 4571	16	2
0420 4796	15	3
0420 4876	15	1
0420 5392	108	13
0420 5506	111	14
0420 5743	25	12
0420 5823	108	12
0420 5841	25	11

PART NUMBER	FIG.	ITEM
0420 5884	13	2
0420 5894	14	21
0420 5946	16	18
0420 6378	14	32
0420 6924	14	20
0420 6932	13	5
0420 6948	14	22
0420 7365	108	11
0420 9198	16	27
0420 9203	16	3
0420 9610	15	8
0420 9685	27	1
0420 9687	23	14
0420 9758	15	9
0420 9905	13	1
0420 9998	107	16
04200021	30	12
04200022	30	13
04200024	31	5
04200078	30	18
04200139	30	25
04200465	31	4
04200468	31	8
04201286	34	12
04202004	110	12
04202043	110	24
04202127	110	13
04202180	110	8
04202181	110	3
04202185	110	22
04202345	110	27
04202517	30	9
04202518	30	10
04202686	110	9
04202775	110	50
04203318	110	2
04203930	30	26
04204130	33	1
04204250	29	8
04204326	33	2
04204590	24	8
04205734	34	5

PART NUMBER	FIG.	ITEM
04207119	30	27
04207290	29	14
04207649	29	13
04207651	29	12
04208736	35	10
04209118	34	11
04209136	110	51
0421 3152	18	19
0421 3609	25	8
0421 3839	14	34
	18	6
04213020	34	3
04213064	101	1
0425 1000	107	1
0425 1004	107	7
0425 1063	14	30
0425 1290	16	20
0425 1470	110	23
0425 1503	111	24
0425 1529	107	13
0425 1614	107	18
0425 1744	107	17
0425 1785	110	7
0425 1824	110	47
0425 2442	14	14
0425 2443	14	16
0425 3373	23	3
0425 3378	16	7
0425 3414	23	12
0425 3636	110	15
0425 5254	14	13
0425 5255	14	15
0425 5857	16	22
0425 5859	14	4
0425 6245	24	12
0425 6591	23	6
0425 6744	111	2
0425 6763	22	11
0425 6765	22	13
0425 7229	16	11
0425 8234	14	5
0425 9450	16	5

PART NUMBER	FIG.	ITEM
0425 9462	108	1
0425 9469	16	31
0425 9547	15	12
0425 9559	107	10
0425 9562	107	14
04251254	30	16
04251598	35	15
04251599	109	4
04251600	109	30
04251605	109	24
04251607	109	31
04251611	109	18
04251621	109	10
04251653	109	7
04251661	109	14
04251666	35	14
04251731	110	33
04251733	110	1
04251743	109	28
04251827	110	46
04251828	110	41
04253333	32	9
04253389	30	24
04255006	32	20
04255362	35	17
04255636	109	17
04255768	110	35
04255802	32	7
04256648	32	5
04259780	32	6
04259898	29	6
04272788	35	2
0428 2827XA1	30	17
0428 2961	16	26
0428 3302	16	15
0428 3483	27	13
0428 4548	27	16
0428 4618	111	16
0428 4824	35	3
0428 5991	111	21
0428 9742	23	1
04282014	30	6

PART NUMBER	FIG.	ITEM
04282827	30	1
04282960	32	3
04284318	35	18
04288128	34	4
04288250	35	1
0429 1502	16	9
0429 3024	111	6
0429 3673	14	31
04290718	32	13
04290781	34	6
04291309	35	11
04294255	31	3
04295313	30	22
0432191327	18	9
0433171779	18	10
04400685	101	6
0460-202-16141	87	15
	88	13
	89	6
	93	4
	94	13
	95	18
	96	6
	100	26
0460-215-16141	93	13
	99	14
0462-201-16141	87	16
	88	2
	90	2
	95	3
	96	18
	100	30
04900286	33	3
054-6311-01-0	40	12
0621500	96	16
062200	42	13
063T-24-24	115	10
063361	42	3
06339-15	56	25
07107784	109	33
0757034	171	43
08-21-48/48	178	24

PART NUMBER	FIG.	ITEM
082-0145-02-0	38	11
082-0146-02-0	38	12
085947-000	181	10
09031117	21	15
092579	93	29
	94	2
092648	93	30
092764	93	31
092769	93	28
1 000 306 002	26	14
1 120 322 350	28	2
1 120 591 075	28	8
1 121 038 018	28	5
1 123 433 005	28	19
1/2HHPS	2	14
1/4 MMO-B	2	27
1.0INCH07T	47	8
1.0INCH07T-GASKET	47	2
1.5INCH07T	46	11
	47	33
	48	3
	169	2
1.5INCH75T	170	18
1.5INCH75T-GASKE	170	17
1-2X1-8PTRS	178	30
1-480305-0	87	24
1-480705-0	87	13
1HA818	78	48
10/3	6	15
10-0523034-00	69	3
10-8 070120CA	177	24
10BTV1-CR 110/115VAC	181	11
100-0054	38	14
100-015	41	17
1000736	83	9
100110	182	7
100320	182	5
1004-2	162	12
100695	55	38
101-1720-00-0	38	3
101-2203	BULK	1
1011114	6	12

PART NUMBER	FIG.	ITEM
1012139	136	23
1016D-1/2	138	37
102062192209	173	20
	174	5
102063009098	21	16
102063011098	21	12
1021931-00	BULK	9
1021986-00	BULK	2
10260	78	53
102911	24	14
1036567	147	8
103876	6	25
104066	8	20
	51	5
	55	28
	79	1
	83	1
	85	17
	125	8
	127	1
	140	18
	147	5
	148	22
	149	6
	151	17
	152	20
	153	16
	154	29
	155	20
104477	168	45
104478	168	78
104479	168	75
104481	168	12
104482	168	21
104491	168	20
104493	168	52
10545676-2	128	6
10557954-2	43	21
	44	5
	45	20
	113	36
	167	22

PART NUMBER	FIG.	ITEM
10557954-2	172	17
1056752	142	18
105687	171	19
105688	171	21
105689	171	26
105692	171	71
105697	171	6
105698	171	11
105699	171	36
105700	171	29
105701	171	32
105702	171	23
105732	171	92
105739	171	62
105740	171	9
105741	171	83
105743	171	39
1060-01-113	177	15
1062712	170	38
106354	171	14
106381	43	15
	44	1
1070174	139	24
1070177	139	15
1070180	139	30
1070181	139	29
1070182	139	28
107324	55	65
1073540	10	9
107370	45	1
107396	55	22
1080533	36	50
1080815	36	9
108082	57	3
108083	57	1
1081878	125	4
1084395	121	39
1084399	125	29
1084400	129	4
	130	3
1084401	121	30
1085-3017	BULK	3

PART NUMBER	FIG.	ITEM
1091733-0004	81	2
1091733-0007	81	6
1091733-0014	50	25
	75	20
	81	4
	82	8
	173	3
109216	168	4
109229	168	17
109304	168	30
1093687-0001	43	1
1093687-0002	43	3
1093687-0003	43	11
1093687-0004	43	5
1093687-0006	43	10
1093687-0007	43	7
1098112-0003	50	23
109858	171	33
11-035	148	3
	151	10
	152	3
	153	8
	154	5
110-1600-02-0	40	4
110110	182	9
110310A	164	13
1104751-0003	43	2
1105392-0003	43	4
1105403-0003	43	12
1105407-003	43	9
111 8659	35	6
1111827-0001-120	170	50
1111827-0001-360	48	16
1111827-0002-120	170	51
1111827-0002-360	48	28
111314A	164	23
111316A	2	1
111317A	164	4
111318A	164	17
111452A	154	17
	164	22
1116482-0003	82	11
1116483-0003	82	10
1116525	138	3
	159	14
	160	21
	161	4
	163	40
1120322000	28	3
1120905039	28	4
1120905102	28	7
1122300	36	2
1122400	36	4
112263-90	99	12
112264	87	19
	88	15
	91	19
	93	16
	94	10
	98	7
	99	11
	100	24
1123433007	28	12
1124034677	28	6
1125045090	28	9
1125884494	28	17
1126759-0003	43	6
	81	3
1126779-0003	43	8
	81	7
1127011148	28	10
1127319104	28	18
1136128	154	16
1136140	120	5
1136141	154	20
1136148	120	7
1136217	121	33
1136222	121	26
1136232	121	38
1136233	121	15
1136234	121	14
1136235	121	37
1136245	121	12
1136249	121	5

PART NUMBER	FIG.	ITEM
1136251	6	3
1136252	6	2
1136253	6	9
1136254	6	26
1136255	6	53
1136260	52	13
1136279	136	10
1136299	133	9
1136321	62	9
1136323	61	5
1136324	61	1
1136337	140	21
1136356	52	22
1136357	52	20
1136370	52	21
1136371	52	16
1136388	62	7
1136399	145	8
1136411	51	16
1136451	113	47
1136473-H002	94	1
1136480-H002	88	1
1136481-H002	87	1
1136482-H001	93	1
1136483-H002	100	1
1136484-H002	96	1
1136485-H001	91	1
1136486-H002	99	1
1136487-H001	98	1
1136488-H001	97	1
1136489-H001	92	1
1136495	113	52
1136496	113	50
1137407	8	2
	58	1
	122	18
114-78-00-00	178	26
1152258-190	121	40
115293A	164	3
115303A	24	23
1154817	6	28
1160318	166	1
1160319	166	6
11630529	3	1
11630581	3	3
11630594	3	10
11664545	10	16
11746479	100	13
1179071	118	6
1179105	117	16
1179106	117	5
1179107	117	15
117931	171	54
1180354	117	9
	118	5
1180384	146	11
1180392	121	10
	137	11
	146	8
1180393	146	9
1180418	55	66
1180419	55	59
1180420	55	63
1180421	55	10
1180463	136	19
1180891	164	25
1182200	143	1
1182208	143	7
1182218	143	8
1182860	136	28
1182872	55	26
1183013	136	3
1183241-H001	90	1
1183242-H002	89	1
1183549	81	11
	144	3
1183550	81	16
	144	8
1184052	137	22
1186133	55	61
	64	6
1186153	169	25
1186154	170	9
1186201	121	8

PART NUMBER	FIG.	ITEM
1186382	56	10
1187755	48	14
1187757	48	15
1195594	41	8
1196121-0003	81	5
1198149-0004	106	1
1199171	66	7
1199173	66	6
1199175	66	12
1199177	66	10
1199178	60	4
1199179	60	9
12 CTX-B	39	4
	41	22
	43	20
	50	13
	113	26
12-12 140130C	39	5
12-8130140BA	170	34
12FNTX-B	24	17
1200DHRP	65	1
12004436	98	18
1201 0996	4	6
	95	25
1201 5870	87	10
	93	10
	94	4
12010973	95	15
	96	14
	98	17
	100	28
12010996	96	31
12015344	89	3
	93	5
12015345	87	22
	93	8
12015792	95	7
	96	24
	98	12
	100	10
12015793	95	21
12015869	87	7

PART NUMBER	FIG.	ITEM
12015869	88	11
	93	11
	94	7
12015870	88	8
12015952	93	38
12015987	87	9
	87	31
	88	6
1202 0116	87	21
	93	7
12020035	93	22
12020157	96	35
12020321	94	9
12020400	94	3
1203 3769	100	14
1203 3820	87	30
1203 3997	91	9
	95	12
1203P-2	170	58
12033769	91	8
	96	36
12034046	87	8
	88	7
1203963	172	40
1203967	167	2
1203968	167	30
12040559	97	4
	98	29
12052139	99	17
12052172	99	16
12052455	91	12
	92	8
12052456	91	11
	92	9
12052613	99	18
1206 6214	89	2
120622A	164	19
12063	42	2
12064 735	91	14
12064735	92	5
12064736	91	15
	92	6

PART NUMBER	FIG.	ITEM
12065863	99	15
12065894	93	15
	94	5
12065899	93	39
12066614	91	10
1207 7413	100	34
1207087	2	2
1207127-0001	169	12
1207127-0002	169	30
1207127-0003	169	17
1207127-0004	169	31
1207127-0005	169	26
1207127-0006	169	19
1207127-0007	169	28
1207285	169	24
1207286	169	18
1207287	169	15
1207288	169	9
1207294	172	30
12077412	97	5
	98	31
	100	36
12077945	93	23
	94	8
1208 4590	93	14
1208-9272	91	7
	96	34
	100	15
12084595	93	37
	94	16
12084891	97	6
	98	28
12089305	96	5
	100	29
1209922	163	46
121-107	78	23
1210022	55	17
1210234	163	47
1211259	139	6
1211887	163	21
1212-4587	98	15
1212084	139	11

PART NUMBER	FIG.	ITEM
1212112	163	15
1212351	163	42
12124581	98	13
12124582	4	5
	93	44
	95	16
	98	16
12124685	91	13
	92	7
12124686	91	16
	92	4
1213390-0010	138	4
1213390-0012	163	39
1213390-0018	163	48
1213390-0024	159	4
	160	18
	161	12
	163	41
1213390-0028	161	10
1213390-0036	163	49
1213390-0040	161	6
1214980	55	32
1215640	170	28
1215641	84	10
1215788	162	36
1215800-0125	117	4
1215813	162	6
1215874	162	11
1216144	162	21
12164698	14	8
1216496	55	58
1217157	52	19
1217879	145	14
1217894	174	7
1218090	116	1
1218365	60	11
1218428	118	1
12186400	97	3
	98	30
1218731	121	34
1219089	135	4
1219372	145	3

PART NUMBER	FIG.	ITEM
1219584	162	28
1219600-0003	56	4
1219606-0006	162	20
1219606-0010	138	28
1219606-0012	116	10
	156	4
	162	10
1219606-0013	156	10
	163	50
1219606-0014	162	34
1219606-0022	136	8
	161	16
1220774	146	1
1220780	163	33
1220829	163	36
1220830	139	1
1220877	163	44
1220962	6	29
1221018	170	23
1221019	170	24
1221929	62	5
1222836	133	11
1223-299	76	9
	175	17
1223150	180	4
1223151	180	5
1223153	180	3
1223155	180	6
1223156	180	2
1223158	180	1
1223159	180	8
1223160	180	15
1223161	180	12
1223163	180	11
1223164	180	13
1223167	180	10
1223169	180	22
1223170	180	21
1223171	180	23
1223172	180	20
1223173	180	19
1224690	103	1

PART NUMBER	FIG.	ITEM
1224981	60	8
1224983	105	1
1225090	139	18
1225924	167	21
1225925	167	18
1227625	163	28
1227731	163	23
1227733	163	27
123269C	121	43
1235468	126	5
1237885	180	9
1241335	170	55
12419928-006	93	24
12420936	93	6
	95	6
	98	14
1250003	163	22
1250194	163	4
1250234	163	5
1251411	75	37
1253082-0003	75	19
	173	2
1259058	124	25
12604244-143	172	26
126536A	53	2
1266927	133	2
1266928	133	23
1266933	133	1
1266937	133	18
126890A	119	40
	119	73
126893B	119	6
	119	55
126894C	119	46
	119	61
126895B	119	34
	119	80
126904B	119	20
	119	91
126916B	119	49
	119	59
1272048	116	15

PART NUMBER	FIG.	ITEM
1274630	158	11
1274962	116	14
1275956	125	28
1277644	125	32
1278872	128	2
1280513	75	9
	173	13
128131A	164	6
1282394	124	1
1283583	179	7
1288504	179	25
1291056	124	6
1295022-0002	56	7
1295544	113	45
1296126-0013	37	15
1296580	102	1
12993495-2	87	23
13T35777	179	18
130-0010-01-0	40	7
130-20702	177	16
130-20916	177	17
130012-12	123	22
130014-12	123	23
1304307-0003	139	19
1307244	159	10
1314253	159	6
1315920	164	5
1315921	164	21
1315922	164	2
1315923	164	24
1320298	164	9
1320418	164	7
1320461	164	16
1320640	164	18
1321052	123	13
1321053	123	27
1321570	119	13
	119	96
1321670	49	8
1321672	51	20
1322022	122	17
1324181	79	7

PART NUMBER	FIG.	ITEM
1324510	119	101
1324581	123	16
1324587	123	14
1324588	123	26
1324605	175	4
1325289	67	1
1325472-0001	82	5
1325806	83	7
1326094	84	18
1327890	123	12
1327917	10	33
1330457	123	3
1330581	123	8
1331040	58	22
	121	23
	122	12
	140	16
	142	49
	162	24
1331396	62	1
1331462-0001	47	40
1331462-0013	47	37
1331606	142	37
1331607	142	35
1331608	142	50
1331609	142	21
1331610	142	13
1331612	142	47
1331613	142	28
1331616	142	45
1331617	142	34
1332034	122	19
1332091-0100	47	9
1332091-0150	46	10
	47	34
	169	3
	170	29
1332091-0200	47	35
	167	12
1332091-0300	114	1
1332874	123	28
1333167	142	25

PART NUMBER	FIG.	ITEM
1333182	54	1
1333270	123	11
1333303	123	24
1333431	58	30
1333835	123	10
1334016	123	9
1334130	119	12
	119	97
1334212	125	47
1334320	119	109
1334352	58	32
1334356	125	27
1334420	163	3
1334734	125	12
1334735	124	16
1334846	124	12
1334884	125	36
1334924	124	15
1334934	131	4
1334979	131	1
1334993	125	41
1334995	125	46
1335157	125	40
1335193	162	14
1335862	125	42
1335863	125	43
1335864	125	44
1335868	124	19
1336189	113	10
1336190	113	17
1336191	167	8
1336192	113	15
1336194	113	20
1336196	36	52
1336197	169	6
1336198	47	4
1336199	113	23
1336200	50	33
1336201	50	17
1336202	51	38
1336203	47	30
1336204-0300	114	10

PART NUMBER	FIG.	ITEM
1336205	50	2
1336206	50	7
1336207	50	12
1336208	113	3
1336209	51	36
1336210	47	22
1336211	47	26
1336212	114	6
1336214	113	28
1336215	113	43
1336216	113	42
1336217	113	29
1336218	114	12
1336220	108	2
1336228	58	8
1336230	58	7
1336529	81	8
1336705	58	9
1336706	58	11
1337674	142	12
1337762	124	18
1337793	142	62
1337798	123	25
1338256	125	24
1338753	125	39
1338938	146	16
1338992	162	17
1339019	125	45
1339201	138	41
1339472	130	7
1339474	127	3
1339515	58	37
1340237	122	15
1340262	129	7
1340263	125	33
1340264	125	21
1340309	142	5
1340337	142	41
1340341	142	32
1340516	150	1
1340582	150	5
1340617	150	14

PART NUMBER	FIG.	ITEM
1341040	119	102
1341215	122	9
	162	29
1341216	122	11
1341238	121	13
1341837	11	10
1341838	173	6
1341839	125	38
1342218	10	22
1342524	42	6
1342579	140	3
1342850	125	35
1342852	20	4
1343074	124	24
1343077	45	12
1343078	45	7
1343079	45	4
1343091	127	5
1343094	68	14
1343749	125	37
1344552	11	7
1345320	124	17
1345435	60	10
1345477	124	14
1345656	71	1
1345946	124	21
1346222	128	4
1346223	124	11
1346471	170	45
1346472	124	20
1346473	56	3
1346474	46	5
1346477	172	21
1346479	36	69
1346480	24	20
1346483	181	5
1346509	39	8
1346510	19	3
1346614	125	25
1347016	58	36
1347146	179	12
1347605	22	22
1347675	126	3
1347676	161	15
1347677	162	4
1347678	121	16
1347683	134	3
1347684	134	6
1347923	50	8
1348067	134	1
1348158	172	15
1348161	113	32
1348162	113	44
1348163	51	37
1348165	113	24
1348166	113	25
1348167	113	7
1348168	113	46
1348169	50	18
1348478	47	21
1348479	48	9
1348480	170	36
1348481	167	7
1348482	113	51
1348484	47	14
1348485	47	42
1348486	47	38
1348487	51	27
1348550	51	35
1348552	47	5
1348553	47	41
1348554	47	36
1348800	80	6
1348950	137	25
1348951	137	27
1348955	137	28
1348957	125	7
1348960	119	103
1348993	140	23
1348994	140	6
1348996	140	24
1350615	124	23
1351261	50	27
1351262	37	8

PART NUMBER	FIG.	ITEM
1351263	37	9
1351326	125	22
1351740	125	18
1352360	41	4
1352803	125	31
1354520	119	23
	119	84
1355673	132	6
1355677	132	5
1355912	175	9
1355915	8	8
1355933	46	9
1356158	51	34
1356392	165	1
1356394	165	10
1356395	165	9
1356397	165	11
1357486	54	19
1357792	123	15
1357819	124	13
1358080	47	29
1359480	11	15
1360124-H001	95	1
1361175	180	14
1361177	180	7
1361178	180	18
1362300	119	15
	119	94
1362780-H001	4	1
1363450	142	51
1363616	47	1
1363713	47	28
1363715	48	5
1363724	48	8
1363729	47	27
1363732	47	17
1363734	47	20
1363737	51	3
1363739	167	27
1363740	167	15
1363742	37	10
1364842-0015	56	15

PART NUMBER	FIG.	ITEM
1364913	48	29
1364915	50	20
1365239	137	16
1365245	158	3
1365299	173	37
1365300	173	35
1365320	119	10
	119	99
1365344	137	19
1365398	39	3
1365538-2	36	60
1365583-1	36	57
1365583-3	36	61
1365588	160	10
1365591	160	9
1365720	160	16
1365723	48	27
1365726	48	21
1365727	160	19
1365741	24	19
1365743	176	8
1365858	161	11
1365859	161	13
1365906	21	1
1365916	10	19
1365919	125	23
1365921	125	30
1365928	170	40
1366099	160	6
1366112	160	7
1366268-0001	176	6
1366268-0002	176	3
1366268-0003	176	5
1366738	137	29
1368487	138	24
1368496	120	14
1368508	120	8
1368590	150	3
1368668	138	7
1368686	138	16
1368687	138	15
1368688	138	30

PART NUMBER	FIG.	ITEM
1368689	138	31
1368691	138	44
1368984	58	14
1369HX1	119	18
	119	93
1370085	136	32
1370476	119	21
	119	92
1370640	124	22
1370695-01950	52	3
1370695-02150	52	7
1370695-02300	52	5
1372222	139	20
1372276	53	4
1372498	170	15
1372499	170	11
1374685	76	13
1376350	3	5
1376360	3	8
1379480-0001	154	23
1379480-0002	152	26
1379480-0003	148	17
1379480-0004	155	26
1379480-0005	151	13
1379480-0006	149	14
	153	11
1388957	121	47
1392148	180	17
1392149	180	16
1392260	70	5
1392317	161	14
1392325	161	9
1392398	75	7
139275-00	41	1
	50	19
	113	6
	169	27
1392832	156	6
139350-00	50	14
	113	12
	167	9
	169	29

PART NUMBER	FIG.	ITEM
1394146	138	32
1394878	45	8
1394889	85	16
1395280	125	11
1395381	125	20
1395914	10	31
1396373	137	18
1397589	182	15
1398942	162	35
1398955	85	11
1399197	162	32
1399205	156	2
14/2	6	14
1400528	59	2
1400590	161	2
1400667	147	4
1400680	147	1
1400833	160	13
1400898	58	28
1400972	58	27
1406413	84	14
1406418	84	19
1407350	141	3
1407574	9	17
1407826	9	19
1408566-0001	9	18
1408566-0002	9	14
141SL	72	5
1411921	1	2
1411923	1	1
1434779	53	19
1435113	53	13
1436136	53	11
1436137	53	17
1436639	59	13
1437880-106	148	15
1437880-108	58	10
1437880-154	149	1
1437880-164	153	21
1437880-168	152	24
1437880-45	150	4
1437880-60	155	24

PART NUMBER	FIG.	ITEM
1437880-80	154	25
1437880-83	151	22
1446032	53	14
1449701	51	17
1457169	53	15
1459272	142	40
1461022	69	7
1469-1	67	3
1471086-0003	37	14
	173	28
1488098	56	8
15-061416-240	69	11
15-0864	142	39
	152	27
	155	27
15300027	100	37
1533527	120	16
1533662	120	30
1533715	120	24
1533925	120	29
1534666	120	18
1534833	120	23
1536340	164	20
1556396	176	1
1556398	179	26
1556398-174	179	32
1556398-304	179	29
1556398-316	179	28
1556444	115	2
1556444-01	115	6
1556444-02	115	12
1556444-03	115	4
1556444-04	115	7
1556444-05	115	8
1556444-06	115	3
16/6	6	16
16-0055	70	2
16FNTX	179	30
16WJTX-WLN-S	179	31
1609188	69	6
1620901	59	1
1624090	90	6

PART NUMBER	FIG.	ITEM
1624090	96	4
	100	9
1655-200809	51	10
	53	9
1683	70	7
	71	4
169PMT-4-2	170	37
17.0028	76	6
170090	182	3
171639-1	96	23
1722000	36	14
1722100	36	27
173542	58	18
	68	18
175198	58	25
1756830	119	35
	119	79
1771-0814	55	47
1771-1022	55	43
	83	18
1771-1522	55	46
	83	19
1771-2032	55	45
	83	16
1778HX	119	38
	119	75
1778701	177	35
1783060	120	28
1785250	119	41
	119	68
1788660W	119	37
1788680W	119	76
1788710W	119	4
1788720W	119	57
1788740U	119	51
1788750	119	106
1788880	95	9
	96	9
180020	78	44
1802001	36	48
1817HX	54	10
	61	8

PART NUMBER	FIG.	ITEM
1817HX	62	4
	67	10
	76	1
	116	5
	136	11
	146	12
	150	2
	170	19
182TBFR5301	6	38
1820	38	5
	55	25
	56	1
	79	3
183025-1	97	12
	98	20
	99	5
	100	3
1840901	36	36
1844501	36	37
185040F-11	76	3
1869X4	2	16
1882732	11	16
1884550	87	11
	88	9
	98	2
	100	11
1896632	36	8
19-400-R	119	14
19T35778	179	17
1901321209	26	5
19070-0132	91	6
2 000 301 000	26	22
2 000 310 002	26	21
2 339 402 133	26	1
2 912 452 152	28	13
2 915 011 039	26	3
2 918 740 008	26	2
2.0INCH07T-GASKET	37	7
	47	18
	48	7
	51	2
	113	49

PART NUMBER	FIG.	ITEM
2.0INCH07T-GASKET	167	14
2.0INCH72T	167	25
2.0INCH72T-GASKE	167	26
2.5INCH07T	50	15
2.5INCH07T-GASKET	50	16
2.5X2.0INCH750T	113	31
2.5X2.0INCH750T-GASKET	113	30
2-015C557-70	6	33
2-0724	BULK	5
2-214	177	28
2-915-011-006	28	15
2AB65	50	21
2AT453	86	3
2BF671	171	70
2HA11	1	3
2HB218	93	42
2HE869	87	27
	88	17
	93	26
20-103	175	2
20T35779	179	22
200-0062-00-0	40	13
200-0120-04-0	38	8
200-0540-13-0	38	4
200-0540-16-0	38	6
200-2560-00-0	38	10
200-2600-00-0	38	2
2002700	36	15
201449001001	21	19
203031201-60	48	20
203031202-60	48	26
203031401-60	80	5
2031980	119	25
	119	90
2032270U	119	1
2050690	BULK	4
2052620	120	22
2054510	36	47
207ACBH-0012	172	12
207ACBH-2	10	4
207ACBH-4	172	42
207ACBH-6	172	46

PART NUMBER	FIG.	ITEM
2070-12-12S	22	6
2075	170	48
2082-4B	2	17
	45	19
2082-6B	45	18
209P-12-4	113	40
209P-6-4	46	13
	47	10
	114	4
	167	10
	169	4
	170	30
209P-8-4	2	9
20900018	6	55
2096	170	47
21NE-040	6	17
	6	48
	10	23
	53	12
	82	4
	117	14
	119	108
	121	20
	122	14
	137	13
	140	8
	142	42
	145	4
2100-0123-001	11	21
	19	1
	22	19
	36	45
	45	6
	49	1
	51	33
	121	31
	124	3
	134	12
	136	18
	137	9
	138	40
	140	5

PART NUMBER	FIG.	ITEM
2100-0123-001	166	4
	167	3
	168	41
	170	1
	172	19
	175	5
2102-2-2	22	4
2107-12-12	39	2
211P-6	41	15
2112HX1	120	27
212-250301-00	81	9
	144	1
212T-6-6	21	9
213-202702-8-8	177	34
21513725	175	20
2153401	36	46
216P-8-4	2	24
2166	6	4
217-0101-13-0	40	9
219P-2	114	7
22-02	148	5
	151	12
	152	1
	153	10
	154	7
	155	1
22-1419	139	14
22004-14	52	11
	164	11
2202P-12-12	22	15
2202P-4-4	43	19
	113	41
2203-6-6	21	8
2203P-6	172	31
221000400200	174	13
221501-16-8S	177	9
2222-8S	178	31
223T-16-16	169	13
23-1-11-12	126	6
	129	6
	130	5
	163	25

PART NUMBER	FIG.	ITEM
23-10893-050	140	17
	142	43
23-1154	136	20
23MS35338-46	19	2
	22	20
2305300	36	51
2305400	36	13
231-5147	11	4
23515145	115	1
24-1596	139	23
24-1597	139	21
24-1600	139	22
2406-24-10	115	11
2406-24-12	115	9
24063	41	25
	41	26
2411-0001-2405	87	18
	88	14
	91	20
	93	17
	94	11
	98	6
	100	23
2428-004-2405	100	8
2477HX	6	23
	51	7
	60	13
	137	17
	159	12
	174	8
25-0582	136	29
25-1156-20-00-11	21	20
25-2831	141	6
25-2832	141	4
25-3540-0004	163	16
25-3540-0020	144	12
25-4513-0122	136	9
25-6024-0099	138	42
25-6024-0100	138	36
25-6025-0119	138	43
25-6025-0120	138	35
250-9111-00-0	40	8

PART NUMBER	FIG.	ITEM
2503-8-8	115	5
2504401	36	11
251244050002	173	19
	174	6
251728050001	173	21
	174	3
251728450000	21	18
251766050001	173	31
	174	18
251891000000	173	23
	174	17
2536240-606	28	1
2625	21	4
2683HX	9	15
269CA-6-2	41	7
	170	33
269NTA-4-2	48	18
	49	6
26927AX	BULK	6
26927AX-26	119	8
	119	100
26987AX-136	119	44
	119	65
2712810	36	31
2713305	36	18
277-A-80-1	142	54
277A801CP	58	2
	121	19
	140	19
279LZN	148	1
	149	9
	151	15
	152	16
	153	13
	154	32
	155	16
2806601	36	44
280756-4	93	27
282087-1	97	11
	98	21
	99	4
	100	2

PART NUMBER	FIG.	ITEM
286500N	2	25
2905000	36	26
29507755	1	4
296-2710-00-0	40	6
2962447	96	12
3.0INCH07T	50	34
	113	9
	167	5
3.0INCH07T-GASKET	50	35
	113	8
	167	6
3.0INCH75T	114	3
3.0INCH75T-GASKE	114	2
3.0X2.0INCH750T	167	32
3.0X2.5INCH750T	113	34
3.0X2.5INCH750T-GASKET	113	33
3-106ZN	155	19
3-350820-2	93	33
3C80-S	178	35
3H35SL	114	9
3H5	10	18
30-17431	75	30
30X20INCH750T-GASKET	167	31
3000776-C-A-02	55	51
300442	6	31
30182-8-12B	172	2
3031-0	76	10
304017006034	20	12
30682-6-6	17	4
	21	5
30682-6-6B	172	33
3070-130-000	138	1
30705	83	12
31270AX	BULK	7
3152179-19	119	45
	119	63
3152179-25	119	50
	119	62
3152179-37	119	29
	119	81
3176210-A-091	2	35
3200-PRIMER	119	39

PART NUMBER	FIG.	ITEM
3200-PRIMER	119	74
3202	182	8
3203201	36	34
3217-7001-5	47	12
3220-8009-5	47	25
3220X8X2	2	21
322045-1	78	26
323014	119	33
	119	70
3233-9168-8	49	7
324	181	9
33A	158	1
3303400	36	32
3306700	36	30
3306702	36	19
3310861-1	172	8
33163	178	3
33310-01	182	16
338-1.5 X 1.5 CHROME	50	22
3404200	36	33
3416533	154	15
3459341	6	21
3460	167	1
3465	167	28
3465-0056	168	35
34650072	168	86
3467-0001	167	23
	170	35
35-S	121	25
35T37967	179	8
35005R	55	60
35017R	64	2
	64	12
350551-1	87	14
352AX	142	58
35200R	64	3
	64	13
35740R-AA	64	17
36-0342400-00	65	6
3601011	36	35
3601220	36	43
3601228	36	42

PART NUMBER	FIG.	ITEM
3601401	36	3
3602438	36	29
3602447	36	16
3603016	36	49
3603328	36	39
3603503	36	22
3603505	36	25
3605001	148	20
	149	3
	151	20
	152	22
	153	20
	154	24
	155	22
3605205	36	40
36061381	173	29
	174	15
360753000000	21	17
360753500000	21	13
3622	55	49
36275-1/4X1/4	172	45
37-10-277-20	137	2
371849	55	31
	85	12
374	67	7
38-0463342-00	69	4
38076	90	8
38077	90	7
38078	90	10
38084	90	11
3816100	36	5
386B203-013	143	4
3871-1000-10	60	12
39T3-08-08	179	27
39T3-16-16	176	7
	179	34
39T3-8-8	176	2
3901-1604-00	60	15
3901-1605-00	60	15
3901-5903-00	60	6
3903-6-6	17	15
4.0INCH07T	113	18
4.0INCH07T-GASKET	113	16
4-4FBTXB	2	28
4A-1603	5	12
4C6XSS	179	15
4TC-23	119	47
	119	64
40-8723	10	32
400-L	119	95
400-52	119	110
401DZ1174	16	4
40723	88	10
	92	2
	93	45
	96	11
	100	38
40724	4	3
	96	15
40725	4	4
	87	25
	89	4
	95	5
	96	10
	97	2
	98	19
	100	16
41-000000B-09	69	9
4100-343	172	5
41450	92	3
4150	175	3
42-0002	10	15
42-0985-36	173	26
42-0985-72	174	14
42-6355	10	38
42-7037	52	10
	164	10
42864-2	87	12
43M68014	179	9
43T35867	179	14
43T36231	179	2
43T36274	179	1
43T37503	179	16
44-3795	75	10

PART NUMBER	FIG.	ITEM
44-3795	173	10
4401800	36	10
4421040	137	5
4429K251	50	31
443333	58	19
4464K15	48	11
	113	37
4464K52	41	23
	113	39
4508	BULK	8
451519	46	4
	139	10
4537769-629	26	4
454787	119	36
	119	77
46880	90	9
47CM20C	68	12
4729C	68	11
4738-12-12B	172	9
4830K131	50	29
4830K191	45	21
	113	38
	167	24
	172	11
4830K223	48	10
4830K261	48	12
48550	119	26
48551	119	88
4968-55RH	119	22
	119	27
	119	83
	119	85
5.0INCH07T	113	22
5.0INCH07T-GASKE	113	21
5HE459	96	21
	98	26
	100	35
	100	39
5IN.STZ,5INFHN	113	2
50-1876	2	32
50A/RS	77	2
50SW	55	50

PART NUMBER	FIG.	ITEM
501-1810-01-0	40	10
501-3090-20	40	1
5010213	36	17
501191	47	24
5016106	36	28
502-0061-01-0	40	5
51-0030	47	6
51-1078	51	39
51-1641-0001	45	10
51-2865	47	31
51-4002	172	28
51-5022	53	20
51-6029-0100	47	3
51-6029-0150	47	39
51-6031	56	22
51-6032	56	20
513-0190-00-0	40	2
513-0360-01-0	38	9
52-0061	57	2
52-0162	73	3
	77	4
52-0675	75	36
52-1063	56	30
52-620	70	1
52-625	91	4
	97	8
	98	10
	99	8
	100	18
52-626	91	3
	97	9
	98	11
	99	7
	100	17
52-627	91	5
	97	7
	98	9
	99	9
521317-2	4	7
521567-2	96	13
53-4784-0001	47	7
53-5655X	155	29

PART NUMBER	FIG.	ITEM
53-9338-0136	48	1
	48	2
	51	4
53S-5565	152	29
537-0281-01-0	40	11
5400033	36	6
5400035	36	12
5400070	36	24
5401024	36	20
5403447	36	41
5436	39	9
55-0047	2	15
55-2153	2	4
55849	94	6
57-10-201-10	131	3
57K4731	182	1
57K4732	182	4
57XL-40	178	1
580004191	BULK	10
58338AX	93	20
5840247	44	6
59189	55	33
5962-202-16141	4	11
	96	31
	98	25
59745AX	119	7
	119	54
	121	41
59747AX-55	119	5
	119	56
59747AX-82	121	42
6 033 AD0 082	26	19
6 033 AD0 128	26	17
6 033 AD0 130	26	16
6 033 AD0 151	26	15
6 033 AD0 183	26	11
6.0INCH07T	50	36
6-2 100202BA	38	15
6-4 100102BA	5	2
6-6 140237C	21	2
6-6CBTXB	172	36
6-8CBTXB	2	12
6CBI2B	172	23
60-4111	104	1
60-9133-0008	51	13
60-9136-0003	51	14
60-9137-0001	55	52
60-9139-0034	51	15
60-9141-0003	51	12
60104-32	137	6
	143	5
602-TB	54	14
6023	68	13
6024	68	10
60255Y	63	2
60700	63	1
61-1093	70	6
61-1229	64	9
611-6	BULK	11
613019060	50	1
	51	29
62-10-103-10	137	21
62-40-251-2	147	11
6208	21	27
63-0093	72	3
	73	9
63-0343	73	7
63-0751-0001	75	12
63-1949	57	5
63-4449-0029	77	1
63-4529	84	4
63-4831	56	27
64-0425	83	13
64-0766-0300	6	51
64-0908-0002	142	22
64-0958	75	24
64-2299-030	55	44
	83	17
64-2632-0002	76	15
64-6636	75	17
	173	8
64-7-500-4	143	2
64-7909-1	119	2
	119	53

PART NUMBER	FIG.	ITEM
640047	BULK	12
640047-15	68	9
640047-50	72	7
640201	BULK	13
	6	19
640201-15	77	7
640261-720	54	4
640807-104	77	3
6410	43	17
	172	3
6411D	116	12
	136	5
	137	24
	138	8
	156	5
	159	3
	160	23
	161	8
	162	8
	163	38
6411G	138	29
6428	173	30
	174	16
656-214	47	13
	145	7
	167	29
67D794	58	23
	121	17
	122	3
	140	10
	142	56
	162	25
67588-R	BULK	14
67588-R-12	5	1
68-3963728RCS	69	10
68C-4-4	172	47
68NTA-4-4	50	32
68NTA-4-6	48	19
	49	5
68NTA-6-6	41	20
	45	16
68NTA-6-8	5	6

PART NUMBER	FIG.	ITEM
68NTA-6-8	170	26
68PMT-4-2	170	39
68PMT-4-4	178	37
68PMT-4-6	48	25
7-03-035	171	35
7-03-050	171	17
7-03-398	168	69
7-03-414	168	73
7-04-020	168	46
7-04-158	171	40
7-04-159	171	96
7-04-160	171	61
7-04-161	171	4
7-04-162	171	87
7-04-288	168	48
7-04-293	168	94
7-04-294	168	71
7-07-080	171	51
7-07-090	171	7
7-07-091	171	85
7-07-092	171	63
7-07-093	171	76
7-07-094	171	95
7-07-095	171	1
	171	53
7-07-096	171	82
7-07-097	171	34
7-07-262	168	28
7-07-265	168	93
7-07-266	168	15
7-07-267	168	6
7-08-067	171	90
7-10-059	171	93
7-10-091	168	59
7-13-067	168	26
7-13-075	168	88
7-13-080	168	55
7-13-081	168	63
7-13-082	168	64
7-13-084	168	57
7-13-085	168	56
7-13-191	168	42

PART NUMBER	FIG.	ITEM
7-13-199	168	2
7-14-164	171	84
7-14-165	171	72
7-18-014	168	66
	171	60
7-18-071	171	55
7-18-098	168	67
7-18-141	168	68
7-21-260	168	1
7-21-261	168	60
7-21-263	168	87
7-21-265	168	31
7-25-024	168	72
7-25-025	168	85
7-27-037	168	81
7-29-055	171	46
7-29-056	171	74
7-29-123	168	74
7-29-124	168	90
7-29-125	168	92
7-29-126	168	89
7-29-198	171	57
7-29-199	171	59
7-29-200	171	58
7-31-084	50	28
7-34-061	171	89
7-34-063	171	44
7-34-065	171	2
7-34-067	171	79
7-34-068	171	5
7-36-045	168	32
	171	38
7-41-050	171	64
7-42-024	168	43
7-42-067	171	66
7-44-009	168	44
7-44-050	168	80
7-44-066	168	76
7-44-168	171	48
7-44-169	171	52
7-44-170	171	94
7-44-171	171	49
7-44-172	171	47
7-44-173	171	75
7-44-174	171	77
7-44-175	171	88
7-44-185	171	37
7-44-194	171	15
7-44-302	168	14
7-44-303	168	91
7-56-075	171	42
7-56-077	171	65
7-57-001	171	81
7-57-005	168	3
7-57-022	168	29
	171	78
7-57-029	168	50
7-57-032	171	10
7-57-033	37	3
7-57-036	168	47
	171	68
7-57-046	168	51
7-57-064	168	49
7-57-065	171	18
7-57-095	168	7
7-57-205	171	22
7-57-210	171	13
7-57-216	171	69
7-57-226	168	82
7-57-243	168	84
7-57-246	168	18
7-57-285	168	22
7-57-286	168	13
7-57-287	168	19
7-57-288	168	23
7-57-289	168	10
7-58-133	171	41
7-58-134	171	91
7-58-186	168	24
7-58-187	168	11
7-58-190	168	58
7-61-064	171	80
7-61-070	168	38
7-61-072	168	39

PART NUMBER	FIG.	ITEM
7-61-083	168	9
7-63-043	171	27
7-65-025	168	16
	171	86
7-65-042	171	25
7-65-052	171	28
7-65-083	171	16
7-65-099	168	8
7-65-104	171	50
7-65-107	171	67
7-65-152	168	62
7-65-164	168	79
7-66-036	168	53
	171	73
7-67-003	171	12
7-67-019	168	77
7-67-026	171	8
7-67-086	168	5
7-67-094	168	70
7-67-096	168	25
7-67-112	168	34
7-68-141	171	31
7-689-000797	87	17
	88	12
	91	21
	93	19
	94	14
	98	5
	99	13
	100	22
7-69-224	171	24
7-69-261	171	45
7-69-464	168	65
7-70-269	168	83
7-70-270	168	54
7-72-101	171	30
7-79-058	168	27
7-826-000092	87	28
	88	3
	90	3
	96	28
	100	5

PART NUMBER	FIG.	ITEM
7-84-054	171	3
7-872-000568	6	56
	56	29
	79	10
7HB968	78	49
7HE956	4	12
	95	10
	98	24
70-105-27	48	13
70-17-30	BULK	15
70-26915 ITEM 22	78	24
70-7-1	119	111
70-7-9	119	11
	119	98
7015	67	5
7037	67	4
704779	168	61
709301	22	7
7119K73	54	9
	181	7
7119K83	181	8
72-0011	162	18
72-0252-0007	145	6
72-0409	163	11
722 202 011	19	10
73R9204	9	7
742093	168	40
744414	168	33
75000343	BULK	16
75000343-14	59	14
755R	81	12
	139	26
	144	4
76579	22	2
769473	171	56
770520-3	100	19
7759645	2	18
78R5110	9	1
795RW	142	52
79510	BULK	17
8-12 070220CA	177	26
	178	23

PART NUMBER	FIG.	ITEM
8-8 070221C	177	25
8HE868	4	10
	90	5
	93	43
	96	7
	98	27
8V6X-S	176	4
80-0026	58	39
80-2069	142	38
80-2260	142	43
	148	21
	149	5
	151	18
	152	19
	153	17
	154	28
80-2261	148	14
	149	17
	151	1
	152	13
	153	24
	154	12
80-4036	148	9
	151	6
	152	11
	153	4
	154	10
	155	11
80-4037	148	7
	151	8
	152	9
	153	6
	154	8
	155	9
80-4038	148	8
80-4040	148	4
	151	11
	152	2
	153	9
	154	6
	155	2
80-4210	152	7

PART NUMBER	FIG.	ITEM
80-4210	155	7
80-6006	41	21
	84	9
80-6029-017	8	15
80-6037	10	10
80-9145	117	17
800121	84	5
800184	84	3
8002	182	2
801-12	BULK	18
805435-3	81	15
	125	13
	127	6
	128	5
	132	7
	134	7
	144	7
	145	13
81-0039	163	24
81-0270-125	123	2
	140	1
81-1011	138	34
81-1021-0017	75	3
	173	5
811CT6	172	41
81264	6	57
	79	8
815W-17-22HBTT/Q 2406	51	18
8189	182	13
82-0052	132	2
82-0227-0250	143	3
82-0228-0500	164	1
82-0257-0002	9	24
	42	9
	58	16
	81	1
	123	5
	139	31
	142	4
82-0257-0003	123	4
82-0260-0002	58	31
	146	2

PART NUMBER	FIG.	ITEM
82-0260-0002	148	25
	149	7
	150	8
	152	18
	153	15
	154	30
	155	18
82-0306-0100	58	17
82-0418-0001	55	3
	134	4
	148	23
	150	6
82-1011-0038	123	7
	140	4
82-1013-0038	123	1
82-1013-008	2	34
	120	26
	140	2
82-1017-001	2	7
	6	54
	58	3
	70	4
	126	2
	127	2
	131	5
	142	46
82-1017-002	122	7
82-1019	142	27
82-1030-0019	53	5
	58	33
82-1043-0010	58	34
82-1043-0031	58	20
82-2034-0150	58	24
82-2072-0075	141	5
82-2077-0150	122	13
824-0004	51	11
824-0102	51	9
831-6-48	172	34
831-6-72	172	35
831-8-120	172	18
8,4DIN7349-ST-A3	17	6
	108	15

PART NUMBER	FIG.	ITEM
8,4DIN7349-ST-A3	111	10
8407.360.0001	80	4
845	162	19
8501CD06V51	75	25
8522LH	119	69
8683-24	41	19
87024A9873	4	2
	89	5
	91	2
	93	35
	96	8
	97	13
	98	3
	99	6
	100	4
880811-2	97	10
	98	22
	99	3
8951K2746	55	55
8951K2748	55	57
9 001 333 446	26	13
9 001 333 448	26	23
9 001 336 244	26	10
9 002 336 236	26	20
9 003 330 317	26	12
9 003 331 931	26	7
9 003 334 039	26	18
9 003 337 009	26	9
9HB991	87	5
	96	19
	100	42
90-20A	74	2
90-225-M2	39	10
90HL5CR40ST	10	12
90L60R50SR	10	34
900100	84	15
90030	56	28
	76	11
9003337010	26	8
90101A007	121	24
90126A029	141	2
9013-FHG-2	5	4

PART NUMBER	FIG.	ITEM
90295A140	43	14
	44	2
	61	3
	74	3
	116	2
90313A104	163	30
	172	6
90640A131	2	33
	20	5
	120	25
	125	10
	167	17
	169	32
	173	16
	174	1
90675A011	75	1
	81	17
	128	1
	129	5
	130	4
	132	1
	142	48
	144	9
	150	15
	160	24
	173	11
91-0350-0017	75	32
91-0351	75	31
91-0391	37	16
91-9023-0078	175	19
91-9026	55	62
91145A178	149	4
9115	182	14
91287A121	36	23
91375A576	155	28
9166186	122	10
91770A542	139	17
92-0181	117	11
92141A030	58	21
	136	24
	149	13
92198A648	2	19

PART NUMBER	FIG.	ITEM
93000004	113	5
93000030	113	4
930007-00094	142	16
930178-120	17	3
	21	6
	21	28
9303	56	12
9305	6	39
	56	14
931083	BULK	19
931083-4	39	11
931088-00450	10	14
931088-02600	10	17
931096-00750	10	11
93475A250	108	3
93543216	24	21
	41	29
	59	9
	120	21
	120	32
	138	9
	173	27
93686A520	150	13
940004-110	44	7
	172	4
940004-48	43	18
940006-120	42	1
940060-36	6	27
940093-195	44	8
940093-217	44	8
940093-48	43	22
940093-72	113	35
94100-0650	10	35
941010-05050	142	36
943005	BULK	20
943005-106	148	18
943005-135	151	24
943005-154	149	19
943005-164	153	23
943005-168	152	14
943005-180	155	14
943005-80	154	21

PART NUMBER	FIG.	ITEM
943011-24	10	20
943057-34	52	4
943064-12	81	19
	126	4
	127	4
	128	3
	129	3
	130	6
	134	8
	137	20
	144	11
	145	1
943125-108	52	1
943125-3	175	11
943125-34	52	2
943127-25	81	18
	144	10
944008-240	2	5
944008-60	38	16
944011-12	5	7
	45	17
	137	7
944035-110	170	32
944035-24	170	27
944035-240	2	13
944035-35	172	22
944035-72	39	1
944035-80	114	11
944035-84	41	6
944036-96	2	30
94708A413	178	22
94862	64	5
	64	15
95-0659	58	15
95-0659-286	137	26
9500-16MM	24	25
95255A356	133	21
95678A671	125	16
95800000	56	5
9584K69	52	17
9605-08-L10-16	24	24
96570K15	148	6
96570K15	151	9
	152	8
	153	7
	154	4
	155	8
96989	64	10
97-50-321-12	133	20
97035	64	4
	64	14
981771T-96WAN	54	20
98306A269	41	16
98416A012	120	13
98485A	143	6
9902.4000	78	15
9902.4001	78	16
9903.0517	78	30
9904.0220	78	6
9904.1402	78	27
9904.2201	78	14
9904.3070	78	35
9904.5602	78	21
9904.6000	78	39
9904.6100	78	36
9904.6200	78	4
9904.9202	78	8
9905.7112	78	12
9906.0011	78	37
9907.6000	78	22
9910.1119	78	25
9910.1321	78	2
9912.0028	78	3
9915.0040	78	29
9923.0006	78	28
9942.0414	78	47
9943.0002	78	45
9943.0004	78	46
9943.0005	78	50
9954.0007	78	13
9954.0015	78	5
9954.0021	78	7
9954.0030	78	38
9955.0015	78	10

PART NUMBER	FIG.	ITEM
9955.0019	78	9
9955.0032	78	31
9955.0043	78	41
9955.0044	78	42
9955.0045	78	40
9955.0076	78	32
9957.0030	78	51
9958.0001	66	3
	78	11
	81	14
	120	15
	144	6
	160	22
9965.0007	78	17
9965.0009	78	18
9965.0011	78	19
9965.0015	78	33
9965.0019	78	34

END OF WORK PACKAGE

CHAPTER 7

SUPPORTING INFORMATION

FIELD LEVEL MAINTENANCE

REFERENCES

SCOPE

This work package lists field manuals, technical bulletins, and technical manuals either referenced in this manual or which apply to the operation and maintenance of the TFFT. This work package is used in conjunction with the references in TM 9-2320-347-10.

FIELD MANUALS

FM 4-25.11 . . . . . First Aid
FM 31-70 . . . . . Basic Cold Weather Manual
FM 31-71 . . . . . Northern Operations
FM 9-207 . . . . . Operation and Maintenance of Ordnance Materiel in Extreme Cold Weather

FORM

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 750-8, The Army Maintenance Management System Functional User's Guide.

TECHNICAL BULLETINS

TB 9-2320-279-13-1 . . . . . HEMTT AC Technical Bulletin
TB 750-651 . . . . . Use of Antifreeze Solutions, Antifreeze Extender, Cleaning compounds, and Test Kit in Engine Cooling Systems

TECHNICAL MANUALS

TM 9-2320-347-10 . . . . . Operator - Technical Manual for Truck, Cargo, 8x8 M977A2
TM 9-2320-325-14&P . . . . . Operator and Field Level Heavy Expanded Mobility Tactical Truck Technical Manual
TM 9-6140-200-14 . . . . . Operator's, Unit, Direct Support, and General Support Maintenance Manual For Lead-acid Storage Batteries
TM 11-5820-498-12 . . . . . Single Channel Ground and Airborne Radio System (SINCGARS)
TM 750-244-6 . . . . . Procedures For Destruction of Tank-Automotive Equipment to Prevent Enemy Use

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

MAINTENANCE ALLOCATION CHART (MAC) INTRODUCTION

THE ARMY MAINTENANCE SYSTEM MAC

This introduction provides a general explanation of all maintenance and repair functions authorized at the two maintenance levels under the Two-Level Maintenance System concept.

This MAC (immediately following the introduction) designates overall authority and responsibility for the performance of maintenance functions on the identified end item or component. The application of the maintenance functions to the end item or component shall be consistent with the capacities and capabilities of the designated maintenance levels, which are shown on the MAC in Column (4) as:

Field – includes three subcolumns, Crew maintenance (C), Service maintenance (O), and Field maintenance (F).

Sustainment – includes two subcolumns, Below Depot (H) and Depot (D).

The tools and test equipment requirements (immediately following the MAC) list the tools and test equipment (both special tools and common tool sets) required for each maintenance function as referenced from the MAC.

The remarks (immediately following the tools and test equipment requirements) contain supplemental instructions and explanatory notes for a particular maintenance function.

MAINTENANCE FUNCTIONS

Maintenance functions are limited to and defined as follows:

1. **Inspect.** To determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination (e.g., by sight, sound, or feel). This includes scheduled inspection and evaluation of cannon tubes.
2. **Test.** To verify serviceability by measuring the mechanical, pneumatic, hydraulic, or electrical characteristics of an item and comparing those characteristics with prescribed standards on a scheduled basis, i.e., load testing of lift devices and hydrostatic testing of pressure hoses.
3. **Service.** Operations required periodically to keep an item in proper operating condition; e.g., to clean (includes decontaminate, when required), to preserve, to drain, to paint, or to replenish fuel, lubricants, chemical fluids, or gases. This includes scheduled exercising and purging of recoil mechanisms. The following are examples of service functions:
   (a) **Unpack.** To remove from packing box for service or when required for the performance of maintenance operations.
   (b) **Repack.** To return item to packing box after service and other maintenance operations.
   (c) **Clean.** To rid the item of contamination.
   (d) **Touch up.** To spot paint scratched or blistered surfaces.
   (e) **Mark.** To restore obliterated identification.

4. **Adjust.** To maintain or regulate, within prescribed limits, by bringing into proper position, or by setting the operating characteristics to specified parameters.

5. **Align.** To adjust specified variable elements of an item to bring about optimum or desired performance.

6. **Calibrate.** To determine and cause corrections to be made or to be adjusted on instruments of test, measuring, and diagnostic equipment used in precision measurement. Calibration consists of comparisons of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.

7. **Remove/install.** To remove and install the same item when required to perform service or other maintenance functions. Install may be the act of emplacing, seating, or fixing into position a spare, repair part, or module (component or assembly) in a manner to allow the proper functioning of an equipment or system.

8. **Paint (ammunition only).** To prepare and spray color coats of paint so that the ammunition can be identified and protected. The color indicating primary use is applied, preferably, to the entire exterior surface as the background color of the item. Other markings are to be repainted as original so as to retain proper ammunition identification.

9. **Replace.** To remove an unserviceable item and install a serviceable counterpart in its place. “Replace” is authorized by the MAC and assigned maintenance level is shown as the third position code of the Source, Maintenance and Recoverability (SMR) code.

10. **Repair.** The application of maintenance services, including fault location/troubleshooting, removal/installation, disassembly/assembly procedures and maintenance actions to identify troubles and restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module (component or assembly), end item, or system.

NOTE

The following definitions are applicable to the “repair” maintenance function:

- Services. Inspect, test, service, adjust, align, calibrate, and/or replace.
- Fault location/troubleshooting. The process of investigating and detecting the cause of equipment malfunctioning; the act of isolating a fault within a system or Unit Under Test (UUT).
- Disassembly/assembly. The step-by-step breakdown (taking apart) of a spare/functional group coded item to the level of its least component, that is assigned an SMR code for the level of maintenance under consideration (i.e., identified as maintenance significant).
- Actions. Welding, grinding, riveting, straightening, facing, machining, and/or resurfacing.

11. **Overhaul.** That maintenance effort (service/action) prescribed to restore an item to a completely serviceable/operational condition as required by maintenance standards in appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to like new condition.

12. **Rebuild.** Consists of those services/actions necessary for the restoration of unserviceable equipment to a like new condition in accordance with original manufacturing standards. Rebuild is the highest degree of material maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (e.g., hours/miles) considered in classifying Army equipment/components.

EXPLANATION OF COLUMNS IN THE MAC

Column (1) Group Number. Column (1) lists Functional Group Code (FGC) numbers, the purpose of which is to identify maintenance significant components, assemblies, subassemblies, and modules with the Next Higher Assembly (NHA).

Column (2) Component/Assembly. Column (2) contains the item names of components, assemblies, subassemblies, and modules for which maintenance is authorized.

Column (3) Maintenance Function. Column (3) lists the functions to be performed on the item listed in Column (2). (For a detailed explanation of these functions refer to "Maintenance Functions" outlined above).

Column (4) Maintenance Level. Column (4) specifies each level of maintenance authorized to perform each function listed in Column (3), by indicating work time required (expressed as man-hours in whole hours or decimals) in the appropriate subcolumn. This work time figure represents the active time required to perform that maintenance function at the indicated level of maintenance. If the number or complexity of the tasks within the listed maintenance function varies at different maintenance levels, appropriate work time figures are to be shown for each level. The work time figure represents the average time required to restore an item (assembly, subassembly, component, module, end item, or system) to a serviceable condition under typical field operating conditions. This time includes preparation time (including any necessary disassembly/assembly time), troubleshooting/fault location time, and quality assurance time in addition to the time required to perform the specific tasks identified for the maintenance functions authorized in the MAC. The symbol designations for the various maintenance levels are as follows:

Field:

C Operator or Crew maintenance

O Unit maintenance

F Direct Support maintenance

Sustainment:

L Specialized Repair Activity

H General Support maintenance

D Depot maintenance

NOTE

The "L" maintenance level is not included in Column (4) of the MAC. Functions to this level of maintenance are identified by work time figure in the "H" column of Column (4), and an associated reference code is used in the REMARKS Column (6). This code is keyed to the remarks and the SRA complete repair application is explained there.

Column (5) Tools and Equipment Reference Code. Column (5) specifies, by code, those common tool sets (not individual tools), common Test, Measurement and Diagnostic Equipment (TMDE), and special tools, special TMDE and special support equipment required to perform the designated function. Codes are keyed to the entries in the tools and test equipment table.

Column (6) Remarks Code. When applicable, this column contains a letter code, in alphabetical order, which is keyed to the remarks table entries.

EXPLANATION OF COLUMNS IN THE TOOLS AND TEST EQUIPMENT REQUIREMENTS

Column (1) Tool or Test Equipment Reference Code. The tool or test equipment reference code correlates with a code used in column (5) of the MAC.

Column (2) Maintenance Level. The lowest level of maintenance authorized to use the tool or test equipment.

Column (3) Nomenclature. Name or identification of the tool or test equipment.

Column (4) National Stock Number (NSN). The NSN of the tool or test equipment.

Column (5) Tool Number. The manufacturer's part number, model number, or type number.

EXPLANATION OF COLUMNS IN THE REMARKS

Column (1) Remarks Code. The code recorded in column (6) of the MAC.

Column (2) Remarks. This column lists information pertinent to the maintenance function being performed as indicated in the MAC.

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

MAINTENANCE ALLOCATION CHART (MAC)

Table 1. Two-Level Maintenance Allocation Chart for TFFT.

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
12	BRAKE SYSTEM								
	Air Reservoir	Replace		0.5				27	
52	REFRIGERATION AND AIR CONDITIONING COMPONENTS								
	Crew Cab Air Conditioner Binary Switch	Replace		0.1				27	
	Crew Cab Air Conditioner Compressor Drive Belt	Inspect	0.1					27	
		Replace		3.0				27	
		Adjust		0.5				27	
	Crew Cab Air Conditioner Condenser Fan Assemblies	Replace		0.4				27	
	Crew Cab Air Conditioner/ Heater Blower Motor	Replace		1.5				27	
	Crew Cab Air Conditioner/ Heater Control Box	Replace		2.0				27	
	Crew Cab Air Conditioner/ Heater Control Panel	Replace		1.0				27	
	Crew Cab Air Conditioner/ Heater Fresh Air Fan and Filter	Replace		1.5				27	
	Crew Cab Air Conditioner/ Heater Fresh Air Fan Resistor	Replace		0.2				27	
	Crew Cab Air Conditioner/ Heater Louvers	Replace		0.5				27	
	Crew Cab Air Conditioner Thermostatic Switch	Replace		0.1				27	
	Crew Cab Heater Control Valve	Replace		0.8				27	
	Crew Cab Heater Core	Replace		2.0				27	
	Crew Cab Heater Hoses	Replace		6.0				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Crew Cab Air Conditioner Compressor and Motor Assembly	Replace						27	
	Crew Cab Air Conditioner Condenser	Replace		1.0				27	
	Crew Cab Air Conditioner Dryer	Replace		0.3				27	
	Crew Cab Air Conditioner Expansion Valve	Replace		1.0				27	
	Crew Cab Air Conditioner Evaporator Core	Replace		2.0				27	
	Crew Cab Air Conditioner/ Heater Assembly	Replace		2.0				27	
	Crew Cab Air Conditioner Hoses	Replace		1.0				27	
	Crew Cab Air Conditioner	Service		2.0				27	
		Recharge		0.5				27	
76	FIRE FIGHTING EQUIPMENT COMPONENTS								
7601	FIRE PUMP SYSTEM								
	Water Pump Engine	Replace		12.0				27, 30	
		Compression Test						27	B
	Water Pump Engine Air Cleaner Assembly	Replace		1.0				27	
	Water Pump Engine Air Filter Ductwork	Replace		0.8				27	
	Water Pump Engine Air Intake Pre-Filter	Replace		0.1				27	
	Water Pump Engine Alternator	Replace		2.0				27	
	Water Pump Engine Alternator Belt	Inspect	0.1					27	
		Replace		0.7				27	
		Adjust		0.2				16	
	Water Pump Engine Battery Cables	Inspect	0.4						
		Replace		1.0				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Water Pump Engine Electronic Control Unit (ECU)	Replace		0.5				27	
	Water Pump Engine Coolant/Fuel Pump Belt	Adjust		0.5				27	
	Water Pump Engine Exhaust Manifold	Replace		0.5				27	
	Water Pump Engine Exhaust Pipes	Replace		1.0				27	
	Water Pump Engine Expansion Plug	Replace		0.5				27	
	Water Pump Engine Fan Belt	Replace		0.8				27, 16	
		Adjust		0.5					
	Water Pump Engine Fuel Filter	Replace		0.9				27, 9	
	Water Pump Engine Fuel Filter Head	Replace		1.5				27, 9	
	Water Pump Engine Fuel Injector	Replace		0.7				13, 14, 27, 28, 3	
	Water Pump Engine Fuel Lines	Inspect	0.2					27	
		Replace		0.7				27, 9	
	Water Pump Engine Fuel Line Check Valve	Replace		1.0				27, 9	
	Water Pump Engine Fuel Pump	Replace		1.3				27, 9	
	Water Pump Engine Fuel System Bleed	Replace		0.5				27, 9	
	Water Pump Engine Fuel/ Water Separator	Replace		0.8				27, 9	
	Water Pump Engine Glow Plug	Replace		0.7				17, 27	
	Water Pump Engine Heat Exchanger	Replace		2.5				27	
	Water Pump Engine Injection Nozzle Pressure	Check							
	Water Pump Engine Muffler	Replace		0.5				27	
	Water Pump Engine Noise Panels	Replace		0.4				23, 6	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Water Pump Engine Oil	Drain/Fill		0.5				27, 9	
	Water Pump Engine Oil Filter	Replace		0.9				27, 9	
	Water Pump Engine Oil Pressure Sending Unit	Replace		0.4				27	
	Water Pump Engine Oil Pressure Switch	Replace		0.4				27	
	Water Pump Engine Remote Oil Filter Head and Hose	Replace		0.9				27, 9	
	Water Pump Engine Starter Motor	Replace		1.0				27	
	Water Pump Engine Thermostat	Replace		0.3				2, 27	
	Water Pump Engine Turbocharger	Replace		2.0				27	
	Water Pump Engine Valve Cover and Gasket	Replace		0.9				27	
	Water Pump Engine Valve Lash	Adjust		0.3					
	Water Pump Gear Case Oil	Check	0.1					27	
	Water Pump Gear Case Oil	Service/ Change		0.4				27, 9	
	Water Pump Gear Case Oil Fill Hose	Replace		0.5				27	
	Water Pump	Replace		15.0				27	
7602	RELIEF VALVE ASSEMBLY								
	Auxiliary Intake Relief/ Dump Valve (Passenger Side)	Replace		1.0				27	
	High Pressure Water Source Intake Relief Valve Setting	Replace		1.0				27	
	Main Intake Relief/Dump Valve (Driver Side)	Replace		1.0				27	
	Thermal Relief Valve	Replace		0.5				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
7604	PRIMER PUMP ASSEMBLY								
	Primer Pump Motor Control Solenoid	Replace		0.8				27	
	Primer Pump Motor Inline Fuse	Replace		0.1				27	
	Primer Pump	Replace		0.5				27	
		Repair		4.0				27	
	Primer Tank	Replace		0.5				27	
	Primer Valve Cable	Replace		0.3				27	
	Primer Valve Control Solenoid	Replace		0.9				27	
	Pump Primer Valve	Replace		0.9				27	
	Driver Main Inlet Primer Valve	Replace		0.9				27	
7606	DRAIN VALVE ASSEMBLY								
	Bumper Turret Auto Drain Valve	Replace		0.3				27	
	Bumper Turret and Bumper Turret Nozzle Speed	Adjust		0.5				27	
	Drain Valve, Driver's Pre-Connect A	Replace		0.5				27	
	Drain Valve, Driver's Pre-Connect B	Replace		0.5				27	
	Drain Valve (Multi-Port)	Replace		1.0				27	
	Foam System "A & B" Tank Drain	Replace		0.8				27	
	NO. 1 Discharge Drain Valve (Driver Side)	Replace		0.5				27	
	NO. 2 Discharge Drain Valve (Driver Side)	Replace		0.5				27	
	NO. 3 Discharge Drain Valve (Passenger Side)	Replace		0.5				27	
	NO. 4 Discharge Drain Valve (Passenger Side)	Replace		0.5				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Passenger Side Auxiliary Inlet and Driver Side Main Inlet Bleeder Valve	Replace		0.8				27	
	Water Tank Drain Valve	Replace		0.5				27	
7612	FOAM TANK ASSEMBLY								
	Flush Check Valve	Replace		0.4				27	
	Foam Level Probe	Replace		0.4				27	
		Adjust						27	
	Foam System “A” Check Valve	Replace		0.8				27	
	Foam System “A” Shutoff Valve	Replace		0.7				27	
	Foam System “B” Check Valve	Replace		0.7				27	
	Foam System “B” Shutoff Valve	Replace		0.8				27	
	Foam System Eductor	Replace		1.0				27	
	Foam System Eductor Valve	Replace		1.5				27	
	Foam System Flow Control Valve Manifold	Replace		0.8				27	
	Foam System Flush Valve	Replace		0.7				27	
	Foam System Inlet Check Valve	Replace		0.7				27	
	Foam System Manual Metering Valve	Replace		1.0				27	
	Foam System Multi-Metering Valve (Automatic)	Replace		1.3				27	
	Foam Tank Fill Port Extensions and Covers	Replace		0.4				27	
7613	WATER TANK ASSEMBLY								
	Auxiliary Intake Valve (Passenger Side)	Replace		0.5				27	
	Main Inlet Valve (Driver Side)	Replace		0.5				27	
	Tank-To-Pump Check Valve (Driver Side)	Replace		0.5				27	
	Tank-To-Pump Check Valve (Passenger Side)	Replace		0.5				27	
	Water Level Probe	Replace		0.5				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Water Tank	Replace		4.0				27	
	Water Tank Fill Valve	Replace		1.0				27	
	Water Tank Heater	Replace						27	
	Water Tank Heater Control Box	Replace		2.0				27	
	Water Temperature Low Level Switch	Replace		0.6				27	
	Water Tank Side Fill Valve	Replace		0.4				27	
	Water Tank Vent/Fill Valve	Replace		0.5				27	
7615	INSTRUMENT HOUSING ASSEMBLY								
	Personnel Cab Do Not Move Apparatus Indicator	Replace		0.2				27	
	Personnel Cab Panel Indicator	Replace		0.2				27	
	Personnel Cab Panel Indicator Lamp	Replace		0.1				27	
	Personnel Cab Foam Tank Selector Switch	Replace		0.1				27	
	Personnel Cab Pressure Governor Control Panel	Replace		0.3				27	
	Personnel Cab High Idle Switch and Indicator	Replace		0.3				27	
	Personnel Cab Instrument Panel	Replace		2.4				27	
	Personnel Cab Instrument Panel Assembly	Replace		2.0				27	
	Personnel Cab Foam Tank Selector Indicator	Replace		0.2				27	
	Personnel Cab Foam Tank Selector Indicator Lamp	Replace		0.1				27	
	Personnel Cab Toggle Switch	Replace		0.1				27	
	Personnel Cab Water and/ or Foam Level Gauges	Replace		0.3				27	
	Pump Digital Pressure Gauge(s) (Discharge and Intake)	Replace		0.3				27	
	Pump Operator’s Panel Air Flow Restrictor Indicator	Replace		0.3				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Audio Alarm	Replace		0.2				27	
	Pump Operator's Panel Cover	Open/Close						27	
	Pump Operator's Panel Engine Diagnostics Plug	Replace		0.7				27	
	Pump Operator's Panel Foam Level Gauge	Replace		0.2				27	
	Pump Operator's Panel Fuel Gauge	Replace		0.4				27	
	Pump Operator's Panel Hourmeter	Replace		0.4				27	
	Pump Operator's Panel Housing	Open/Close		0.1				27	
	Pump Operator's Panel Indicator Light	Replace		0.3				27	
	Pump Operator's Panel Indicator Lamp	Replace		0.1				27	
	Pump Operator's Panel Light Switch	Replace		0.3				27	
	Pump Operator's Panel Manual Primer Handle	Replace		0.7				27	
	Pump Operator's Panel Momentary Toggle Switch	Replace		0.3				27	
	Pump Operator's Panel Overheat Test Button	Replace		0.4				27	
	Pump Operator's Panel Pressure Governor Control Panel	Replace		0.2				27	
	Pump Operator's Panel Primer Switch	Replace		0.4				27	
	Pump Operator's Panel	Replace		1.0				27	
	Pump Operator's Panel Side Lamp and Bracket	Replace		0.3				27	
	Pump Panel Test Gauge Panel	Replace		2.0				27	
	Pump Operator's Panel Three-Position Toggle Switch	Replace		0.3				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Pump Operator's Panel Two-Position Toggle Switch	Replace		0.3				27	
	Pump Operator's Panel Water Level Gauge	Replace		0.3				27	
	Water Pump Engine Panel	Replace		0.3				27	
	Water Pump Engine Gauge Panel	Replace		1.5				27	
7620	SIREN ASSEMBLY								
	Siren Control	Replace						27	
7621	WARNING LIGHT ASSEMBLY								
	Lower Rear Marker Light and Bracket	Replace		0.5				27	
	Marker Light (Amber LED)	Replace		0.3				27	
	Personnel Cab Clearance Light and Bracket	Replace		0.3				27	
	Personnel Cab Front Lightbar	Replace		0.5				27	
	Personnel Cab Side Lightbar	Replace		0.5				27	
	Personnel Cab Lightbar	Repair						27	
	Personnel Cab Warning Light and Do Not Move Apparatus Flasher Unit	Replace		0.5				27	
	Rear Marker/Clearance LED	Replace		0.3				27	
	Roof Mounted Clearance Lights	Replace		1.0				27	
	Warning Lights	Replace		0.8				27	
7622	SPOTLIGHTS								
	Deck Spotlight	Replace		0.3				27	
	Deck Spotlight Lamp	Replace		0.1				27	
	Extendable Floodlight	Replace		0.4				27	
	Extendable Floodlight Lamp	Replace		0.1				27	
	Overhead Beacon Light	Replace		0.5				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
7623	DOME & ENGINE LIGHT ASSEMBLIES								
	Dome Light (LED and Incandescent)	Replace		0.3				27	
7626	MISCELLANEOUS ELECTRICAL								
	120-Volt Air Compressor	Replace		1.0				27	
	120-Volt Battery Charger	Replace		0.8				27	
	120-Volt Circuit Breaker	Replace		0.5				27	
	120-Volt Power Cord(s)	Replace		0.4				27	
	120-Volt Receptacle	Replace		0.5				27	
	Auto Fill Control	Replace						27	
	Battery Box and Bracket	Replace						27	
	Battery Charger(s) Receptacle	Replace		0.5				27	
	Battery Disconnect Switch	Replace						27	
	Battery Equalizer	Replace						27	
	Batteries, Terminal, and Cable	Replace						27	
	Blackout Relay	Replace		0.2				27	
	Bumper Turret and Pump Cooler Dump-To-Ground Control Valve	Replace		0.5				27	
	Cab Roof Lightbar Cable Assembly	Replace						27	
	Cab Roof Lightbar Cable Assembly Branch	Replace		1.0				27	
	Cab Roof Lightbar Flasher Unit	Replace		1.0				27	
	Circuit Breaker Box	Replace		0.4				27	
	Control Valve	Replace		0.5				27	
	Cord Reel Cable Work Light, and Receptacle	Replace		0.2				27	
	Cord Reel Cable Work Light Lamp	Replace						27	
	Cord Reel Cable Work Light Bracket	Replace						27	
	Cord Reel Control Assembly	Replace		0.4				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Cord Reel	Replace		3.5				27	
		Repair		2.0				27	
	Cover, Door, and Electronic Mounting Base (SINCGARS)	Replace						27	
	Door Switch	Replace		0.2				27	
		Adjust	0.1					27	
	Dual Governor Pressure Switch	Replace						27	
	Electronically-Operated Ball Valve Electric Motor and Drive Assembly	Replace		1.0				27	
	Electronically-Operated Ball Valve Seats and Preformed Packing	Replace		0.4				27	
	Equipment (Ladder) Rack Control Assembly	Replace		0.5				27	
	Flow Sensor	Replace		0.3				27,25	
	Glow Plug Circuit Breaker	Replace		0.5				27	
	Glow Plug Control Relay	Replace		0.4				27	
	High Amperage Cable	Replace		0.8				27	
	Inline Fuse	Replace		0.1				27	
	Intercom	Replace		0.8				27	
	Light Bezel	Replace		0.9				27	
	Light Bezel Cover	Replace		0.2				27	
	Personnel Cab Power Distribution Box Circuit Breaker	Replace		0.1				27	
	Personnel Cab Power Distribution Box Diode Block	Replace		0.1				27	
	Personnel Cab Power Distribution Block	Replace						27	
	Personnel Cab Power Distribution Box Fuse	Replace		0.1				27	
	Personnel Cab Power Distribution Box Relay	Replace		0.1				27	
	Personnel Cab Step Clearance Light	Replace						27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Portable Handheld Flashlight and Charger	Replace		0.2				27	
	Portable Handheld Radio and Charger	Replace		0.2				27	
	Power Distribution Box (Pump House)	Replace		1.5				27	
	Power Distribution Box Control Panel (Pump House)	Replace		0.4				27	
	Power Cable Assembly (SINCGARS)	Replace		0.6				27	
	Pressure Regulator	Replace		0.3				27	
	Pressure Transducers	Replace		0.3				27	
	Pump House Distribution Box Circuit Breaker	Replace						27	
	Pump House Distribution Box Relay	Replace		0.3				27	
	Pump House Cooling Fan Temperature Switch	Replace		0.5				27	
	Pump House Heater Diagnostic Module	Replace		0.8				27	
	Pump House Cooling Fan	Replace		1.5				27	
	Pump Operator’s Panel Operators Electric Valve Control/Meter	Replace		0.6				27	
	Pump Operator’s Panel Electric Valve Control	Replace		0.6				27	
	Pump Primer Motor Diode Pack	Replace						27	
	Rear Step Buzzer Button and Cable	Replace		0.3				27	
	Rear Step Buzzer Button Compartment	Replace		0.3				27	
	Remote Intercom	Replace		0.5				27	
	Roof, Bumper, and Pump to Cooler Dump-To-Ground Junction Box	Replace		1.5				27	
	Roof Turret Control Valve	Replace		0.5				27	
	Shoreline Inlet Receptacle	Replace		0.5				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Shutoff Control Valve Diode Pack	Replace		0.3				27	
	Shutoff Control Valve Manifold	Replace		1.5				27	
	Speaker	Replace		0.4				27	
	Terminal Block (Pass-Through)	Replace						27	
	Two-Way Radio	Replace		0.6				27	
	Utility Outlet	Replace		0.3				27	
	Windshield Deluge Motor	Replace		0.5				27	
	Air Conditioner Controller Wire Harness	Replace		1.2				27	
	Air Conditioner Electric Motor Wire Harness	Replace		1.0				27	
	Air Conditioner Rear Wire Harness	Replace		1.5				27	
	Body Air Conditioner Wire Harness	Replace		1.5				27	
	Bumper Turret Wire Harness	Replace		1.0				27	
	Cab Discharge Digital Pressure Gauge Wire Harness	Replace		1.0				27	
	Cab Foam A and Foam B Tank Level Indicator Wire Harness	Replace		1.0				27	
	Cab Instrument Panel Wire Harness	Replace		3.0				27	
	Cab Power Distribution Wire Harness and Block	Replace		1.0				27	
	Cab Roof Wire Harness	Replace		1.0				27	
	Cab Pump Control Wire Harness	Replace		2.5				27	
	Cab Water Tank Level Indicator Wire Harness	Replace						27	
	Crew Cab Intercom Wire Harness	Replace						27	
	Crew Cab Wire Harness	Replace		2.0				27	
	Direct Tank Fill Valve Wire Harness	Replace						27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Driver Side Body Wire Harness	Replace						27	
	Equipment (Ladder) Rack Control Wire Harness	Replace		1.5				27	
	Evaporator Wire Harness			0.5				27	
	Flow Sensor Wire Harness	Replace		0.5				27	
	Foam Tank Level Probe Wire Harness	Replace		1.0				27	
	Inlet, Discharge, and Tank Fill & Re-Circulating Valve Wire Harness	Replace		0.5				27	
	Intercom Wire Harness	Replace		0.8				27	
	Main Wire Harness	Replace		37.5				27	
	Passenger Side Body Wire Harness	Replace		2.15				27	
	Pump House Power Distribution Wire Harness and Block	Replace		2.0				27	
	Pump House Wire Harness	Replace		2.0				27	
	Pump Operator's Panel Wire Harness	Replace		14.5				27	
	Pressure Transducer Wire Harness	Replace		0.5				27	
	Rear Body Wire Harness	Replace		1.5				27	
	SINCGARS and Two-Way Radio Intercom Cable	Replace		0.5				27	
	Valve Control Wire Harness	Replace		1.5				27	
	Water Pump Engine Wire Harness	Replace		2.0				27	
	Water Valve Wire Harness	Replace		0.8				27	
	Water Tank Level Probe Wire Harness	Replace		0.5				27	
7627	AIR CONDITIONER, HEATER, VEHICULAR COMPARTMENT								
	Heater Fuel Pumps	Replace		1.0				27	
	Heater Fuel Tank Pickups	Replace		1.0				27	
	Pump House Heater	Replace		1.0				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Rear Compartment Heater Diagnostic Module	Replace		0.8				27	
	Rear Compartment Heater	Replace		0.7				27, 9	
	Rear Heater Thermostat	Replace		0.6				27	
7629	AUXILIARY ENGINE COOLING ASSEMBLY								
	Water Pump Engine Coolant/Fuel Pump Belts	Inspect	1.3					16	
		Replace		0.9				27	
		Adjust		0.3				16, 27	
	Water Pump Engine Coolant Level Sensor	Replace		0.6				27	
	Water Pump Engine Coolant Level Sight Glass	Replace		0.7				27	
	Water Pump Engine Coolant Hoses and Tubes	Inspect	0.3					27	
		Replace		1.0				27	
	Water Pump Engine Coolant Pump	Replace						27	
	Water Pump Engine Cooling System	Service		0.9				27, 9	
		Pressure Test						6, 27	B
	Water Pump Engine Coolant Temperature Sensor	Replace		0.9				27	
	Water Pump Engine Radiator	Replace		2.0				27	
7630	PIPING, WATER AND FOAM								
	Bumper Turret Valve	Replace		1.5				27	
	Coupling	Replace		0.3				27	
	NO. 1 Discharge Valve (Driver Side)	Replace		1.0				27	
	NO. 2 Discharge Valve (Driver Side)	Replace		1.0				27	
	NO. 3 Discharge Valve (Passenger Side)	Replace		1.0				27	
	NO. 4 Discharge Valve (Passenger Side)	Replace		1.0				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Piping Assembly (Pipe Thread Sealing Compound)	Replace		0.2				27	
	Plumbing, Hoses, and Piping	Replace		1.5				27	
	Pressure Reducing Valve, Driver's Pre-Connect "A"	Replace		0.7				27	
	Pressure Reducing Valve, Driver's Pre-Connect "B"	Replace		0.7				27	
	Tank-To-Pump Intake Valve (Driver Side)	Replace		1.0				27	
	Tank-To-Pump Intake Valve (Passenger Side)	Replace		1.0				27	
	Valve Driver Pre-Connect "A"	Replace		1.5				27	
	Valve Driver Pre-Connect "B"	Replace		1.0				27	
7635	SPECIAL PURPOSE BODY								
	Air Lift Bag Storage Box	Replace		0.5				27	
	Air Vent Guard	Replace		0.5				27	
	Crew Cab Access Panels	Replace		0.6				27	
	Crew Cab Assembly	Replace		4.5				8, 27, 25	
	Crew Cab Bench Seat and Access Panel	Replace		1.0				27	
	Crew Cab Door/Door Hinge	Replace		1.2				27	
		Adjust						27	
	Crew Cab Door Handle	Replace		0.6				27	
	Crew Cab Door Latch/ Linkage	Replace		0.8				27	
	Crew Cab Door Seal	Replace		0.5				27	
	Crew Cab Door Window/ Regulator	Replace		2.0				27	
	Crew Cab Inner Door Panel	Replace		0.6				27	
	Crew Cab Peep Window	Replace		0.5				27	
	Crew Cab Rifle Mount	Replace		0.3				27	
	Crew Cab Roof Hatch	Replace		0.6				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Crew Cab Roof Hatch Door Switch Guard	Replace		0.3				27	
	Crew Cab SCBA Seat	Replace		0.5				27	
		Repair		1.0				27	
	Driver Side and Passenger Side Crew Cab Ladder	Replace		0.3				27	
	Crew Cab Window	Replace		2.0				27	
	Crew Cab Vent Window	Replace		0.9				27	
	Cross Divider	Replace		0.3				27	
	Decal and Data Plates	Replace		0.2				27	
	Equipment (Ladder) Rack	Replace		1.3				27	
	Gasoline Can Stowage Compartment	Replace		0.9				27	
	Grab Handle	Replace		0.3				27	
	Heater Access Panel	Replace		0.2				27	
	Hose Restraint Net	Replace		0.2				27	
	Hose Bed Cover(s)	Replace		1.0				27	
	Hose Bed Divider	Replace		0.5				27	
	Hose Bed Grating	Replace		0.5				27	
	Loose Equipment (COEI) Mounting Bracket	Replace		0.3				27	
	On-Board Tool Mounting Bracket	Replace		0.5				27	
	Passenger Seat	Replace		0.3				27	
	Passenger Seat Mount	Replace		0.3				27	
		Repair		1.5				27	
	Personnel Cab Rifle Mount(s) and Door Strap	Replace		0.3				27	
	Personnel Cab SCBA Seat	Repair		1.0				27	
	Personnel Cab Step	Replace						27	
	Pneumatic Spring	Replace		0.3				27	
	Power Steering Pump	Modification		0.7				27	
	Pre-Connect Nozzle Storage Cups	Replace		0.4				27	
	Pre-Connect Roller Assembly	Replace		0.4				27	
	Pump House Access Door	Replace						27	
	Pump House Panel A	Open/Close						27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Pump House Panels	Replace		10.0				27	
	Pump Operators Platform	Replace		0.3				27	
	Rear Access Ladder	Replace		0.3				27	
	Rear Compartment Mounting Brackets	Replace		2.5				27	
	Rear Compartment Utility Tilt Tray	Replace		1.5				27	
	Rear Hard Lifts	Replace		1.2				27	
	Rear Splash Guard	Replace		0.5				27	
	Rear Work Platform	Replace		1.1				27	
	Roof Turret Roof Plumbing Cover	Replace		0.3				27	
	SCBA Seat Belt	Inspect	0.1					27	
		Replace		0.5				27	
	Skid Plate Grille	Replace						27	
	Small Compartment Door	Replace		0.8				27	
	Spreader Bar Bracket	Replace						27	
	Stowage Box	Replace		0.5				27	
	Stowage Compartment Door Latch	Replace		0.8				27	
	Stowage Compartment Door	Replace		1.3				27	
	Threaded Screw Insert	Replace		0.2				27	
	Top Stowage Compartment Door	Replace		0.6				27	
	Transmission	Replace			6.0			27	
	Transmission Dipstick and Tube	Replace		0.3				27	
	Wheel Chocks Stowage Compartment	Replace		0.5				27	
	Windshield Deluge Pump House Strainer Screen	Replace		0.4				27	
	Windshield Deluge System	Replace		0.8				27	
	Wire Rope	Replace		0.5				27	
7636	MOUNTING BRACKETS, FUEL TANK AND AIR RESERVOIR								
	Fuel Tank Brackets	Replace		1.0				8, 27, 9	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Roof Turret Mounting Plate	Replace		0.5				27	
	Turret Bumper Mount	Replace		0.4				27	
7639	FIXED FIRE FIGHTING EQUIPMENT								
	Air Lines and Fittings	Replace		1.5				27	A
	Bumper and Roof Turret Manifold Block	Replace		0.8				27	
	Bumper Turret	Replace		1.0				27	
		Repair		3.0				27	
	Bumper Turret Control	Replace		0.8				27	
	Bumper Turret Junction Box	Replace		1.0				27	
		Repair		2.0				27	
	Foam Cover and Water Tank Vent	Replace		0.8				27	
	Ground Sweeps	Replace		3.5				27	
	Ground Sweeps Valve	Replace		1.5				27	
	Pre-Connect	Replace		1.3				27	
	Pump Cooler (Dump-To-Ground) Valve	Replace		0.3				27	
	Roof Turret, Automatic Drain Valve, and Controls	Replace		2.5				27	
	Roof Turret and Controls	Repair		6.5				27	
	Roof Turret Valve	Replace		0.6				27	
	Windshield Deluge Shutoff Valve and Strainer Assembly	Replace		1.2				27	
7653	HYDRAULIC GENERATOR								
	Hydraulic Generator Cables	Replace		1.0				27	
	Hydraulic Generator Compensator	Replace		0.8				27	
		Adjust		0.4				27	
	Hydraulic Generator Digital Display Module	Replace		0.5				27	
	Hydraulic Generator Hoses	Replace		0.5				27	

Table 1. Two-Level Maintenance Allocation Chart for TFFT. (Continued)

(1) Group Number	(2) Component/ Assembly	(3) Maintenance Function	(4) Maintenance Level					(5) Tools and Test Equipment	(6) Remarks Code
			Field			Sustainment			
			Unit		DS	GS	Depot		
			C	O	F	H	D		
	Hydraulic Generator Oil Cooler Fan	Replace		0.8				27	
	Hydraulic Generator Oil	Drain/Fill		0.2				27	
	Hydraulic Generator Oil Filter	Replace		0.1				27	
	Hydraulic Generator Oil Filter Base	Replace		0.4				27	
	Hydraulic Generator Motor	Replace		1.6				27	
	Hydraulic Generator	Replace		2.5				27	
	Hydraulic Generator Boost Unit Assembly	Replace		0.5				27	
	Hydraulic Generator Reservoir Breather	Replace		0.1				27	
	Hydraulic Generator Reservoir Fluid Level Gauge	Replace		0.5				27	
	Hydraulic Generator Reservoir	Replace		0.9				27	
	Hydraulic Generator Reservoir Strainer	Replace		0.3				27	
	Hydraulic Generator Reservoir Temperature Sensor	Replace		0.1				27	
	Hydraulic System	Bleed		0.4				27	
	Power Take Off (PTO)	Replace		2.0				27	
	Power Take Off (PTO) Pump	Replace		1.0				27	
	PTO Solenoid and Pressure Switch	Replace		0.5				27	
7655	MISCELLANEOUS WINTERIZATION EQUIPMENT								
	Crew Cab Insulation	Replace		2.0				27	
	Heat Trace Junction Box	Replace		0.8				27	
	Heat Trace Thermostat	Replace		0.6				27	
	Piping Heat Trace	Replace		0.5				27	
	Plumbing Insulation	Replace		0.6				27	

Table 2. Tools and Test Equipment for TFFT.

Tool or Test Equipment	Maintenance Level	Nomenclature	National Stock Number	Tool Number
1	F	Assembly Tool		Deutz 030-1391
2	O	Assembly Tool for Coolant Thermostat		Deutz 030-1224
3	F	Cap Set, Protective	5340-00-450-5718	10935405
4	F	Compression Tester	6625-01-324-3625	Deutz 030-1056
5	F	Compression Tester Connector		Deutz 030-1192
6	O	Cooling System Pressure Tester		Deutz 030-1306
7	F	Core Plug Remover/Installer	5120-01-130-8864	J-23019
8	F	Crew Cab Lifting Fixture		1404026
9	D	Drain Pan (17942)	4910-00-387-9592	
10	F	Drill, Electric, Portable 1/4 in.	5130-00-889-8993	1070
11	F	Drill Set, Twist	5133-00-449-6775	GGG-D-751
12	F	Engine Turning Gear		Deutz 030-1307
13	F	Extractor Handle, Injector		Deutz 003-0536
14	F	Extractor, Injector		Deutz 003-0463
15	F	Feeler Gauge		
16	O	Gauge, Belt Tensioner	6635-01-093-3710	J-23600
17	F	Glow Plug Tool		Deutz 030-1209
18	F	Injector Assembly Tool		Deutz 030-1215
19	F	Injector Nozzle Tester		Deutz 030-3345
20	O	Installation Tool, AVK	5120-01-528-5343	AA184-1032
21	F	Lead Set, Test	6625-01-518-5310	GM2528A
22	F	Leak Detector, Refrigerant	1290-01-077-2418	TIFXL-1A
23	F	Leak Test Kit		
24	F	Reclaimer, Refrigerant	4250-01-396-8928	EEAC318A
25	F	Standard Automotive Tool Set (SATS)	4910-01-490-6453	SC4910-95-A81
26	F	Tool Kit, Blind Rivet	5180-01-201-4978	D-100-MIL-1
27	O	Tool Kit, General Mechanic's: Automotive	5180-01-483-0249	12B470000-1
28	F	Torx Tool Kit		Deutz 030-1089
29	F	Valve Spring Assembly Lever (Deutz)		Deutz 030-1088

Table 2. Tools and Test Equipment for TFFT. (Continued)

Tool or Test Equipment	Maintenance Level	Nomenclature	National Stock Number	Tool Number
30	F	Water Pump Engine Removal Kit		397589
31		Water Tank Lift Kit (TFFT)		

Table 3. Remarks for TFFT.

Remark Code	Remarks
A	No specific times established. Times required for replacement or repair will depend on extent of work required.
B	No specific times established. Times required for test will depend on extent of testing required.

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

COMPONENTS OF END ITEM (COEI) AND BASIC ISSUE ITEMS (BII)

SCOPE

This work package lists COEI and BII for the TFFT to help you inventory items for safe and efficient operation of the equipment.

GENERAL

The COEI and BII information is divided into the following lists:

Components of End Item (COEI). This list is for information purposes only and is not authority to requisition replacements. These items are part of the TFFT. As part of the end item, these items must be with the end item whenever it is issued or transferred between property accounts. Items of COEI are removed and separately packaged for transportation or shipment only when transferred between property accounts. Items of COEI are removed and separately packaged for transportation or shipment only when necessary. Illustrations are furnished to help you find and identify the items.

Basis Issue Items (BII). These essential items are required to place the TFFT into operation, operate it, and to do emergency repairs. Although shipped separately packaged, BII must be with the TFFT during operation and when it is transferred between property accounts. Listing these items is your authority to request/requisition them for replacement based on authorization of the end item by the TOE/MTOE. Illustrations are furnished to help you find and identify the items.

EXPLANATION OF COLUMNS IN THE COEI LIST AND BII LIST

Column (1) Item Number. Indicates the reference number of the item listed.

Column (2) National Stock Number (NSN). Identifies the National Stock Number (NSN) of the item to be used for requisitioning purposes.

Column (3) Description, Part Number/(CAGEC). Identifies the Federal Item Name, followed by a minimum description when needed. The last line below the description is the part number and the Commercial and Government Entity Code (CAGEC) (in parentheses).

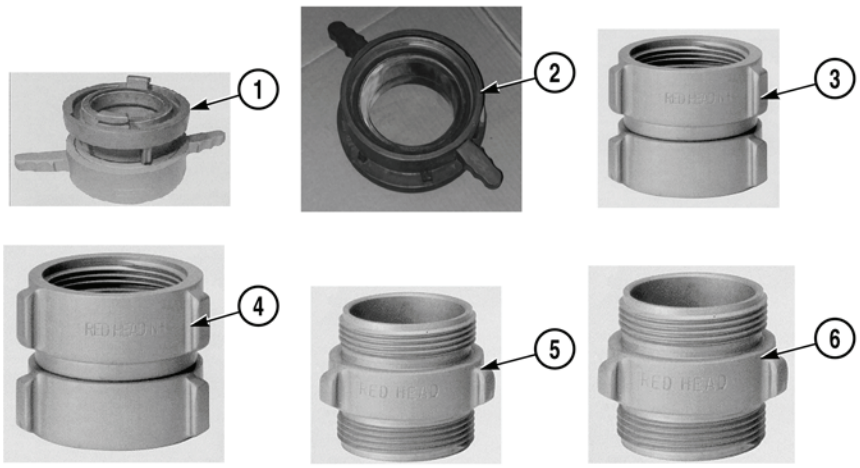
Column (4) Usable on Code. When applicable, identifies a code if the item you need is not the same for different models of equipment. If no code is entered in this column, item is used on all models. These codes are identified as:

Code	Used On
FFT	M1142

Column (5) U/I. Unit of Issue (U/I) indicates the physical measurement or count of the item as issued per the National Stock Number (NSN) shown in column (2).

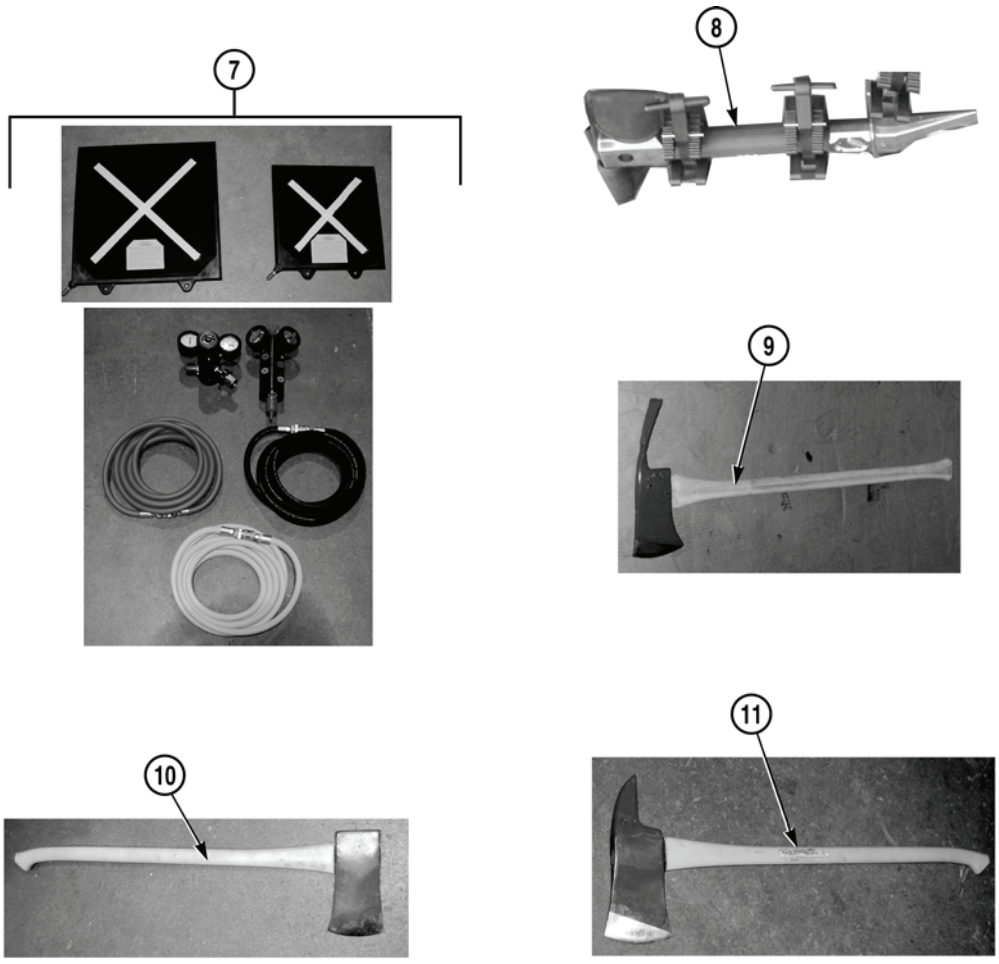
Column (6) Qty. Req. Indicates the quantity of the item required to be used with/on vehicle.

Table 1. Components of End Item.



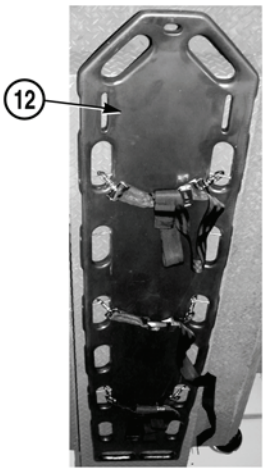
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
1	4210-01-518-1282	Adapter, 5.0 in. Storz x 2.5 in. FNST, 1226461 (04664)		EA	1
2	4730-01-518-0467	Adapter, 5.0 in. Storz x 5.0 in. FNST, 1268359 (04664)		EA	1
3	4210-01-518-1288	Adapter, Female, Double, Swivel, 1.5 in. NST, 1226963 (04664)		EA	2
4	4210-01-518-1290	Adapter, Female, Double, Swivel, 2.5 in. NST, 1226964 (04664)		EA	2
5	4210-01-518-1285	Adapter, Male, Double Threaded, 1.5 in. NST, 1226967 (04664)		EA	2
6	4210-01-518-1284	Adapter, Male, Double Threaded, 2.5 in. NST, 1226968 (04664)		EA	2

Table 1. Components of End Item. (Continued)

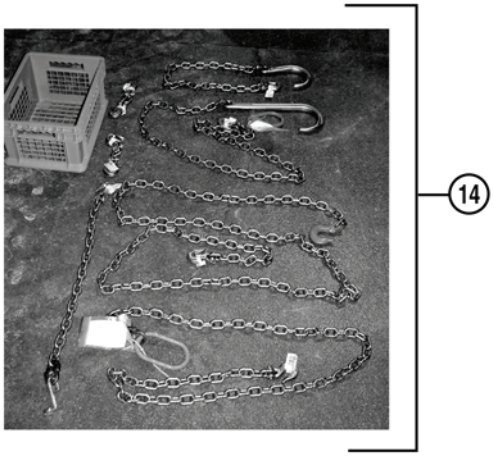


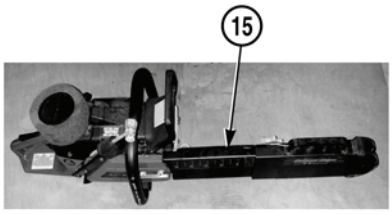
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
7	5120-01-317-3147	Air Lifting Bags Kit, 890351 (30978)		EA	1
8	4240-01-518-6839	Ax, Pry, w/Leather Belt, 1234073 (04664)		EA	1
9	4210-01-517-3383	Ax, Pulaski, WPL, 35 in. Handle, WPL-4 (41559)		EA	2
10	5110-01-524-4634	Ax, Single Bit, FHY-8 (IFGA9)		EA	1
11	4210-01-517-3986	Ax, Pick Head, PHY-8 (41559)		EA	1

Table 1. Components of End Item. (Continued)





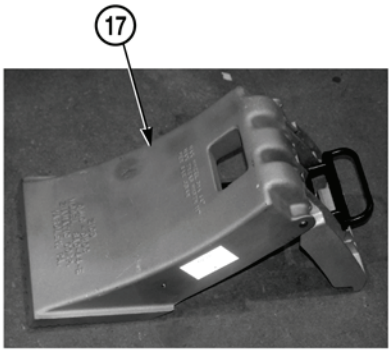


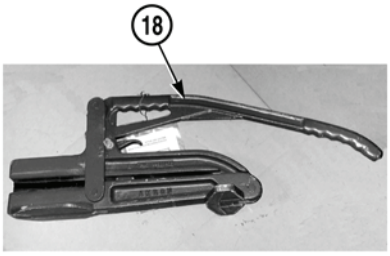


(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
12	653001K758259	Backboard, 1364839 (04664)		EA	1
13	6510-01-242-2271	Blanket, Burn, Water Gel, 6 ft. x 5 ft., P7260-4 (1BJ97)		EA	1
14	4210-01-518-1281	Chain Kit, Rescue, 1182874 (04664)		EA	1
15	3695-01-517-4267	Chain Saw, 20 in. Bar, w/Guard, CE2171RS/D8 (41599)		EA	1

Table 1. Components of End Item. (Continued)

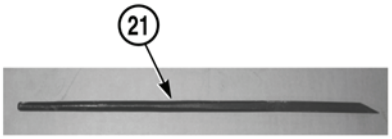






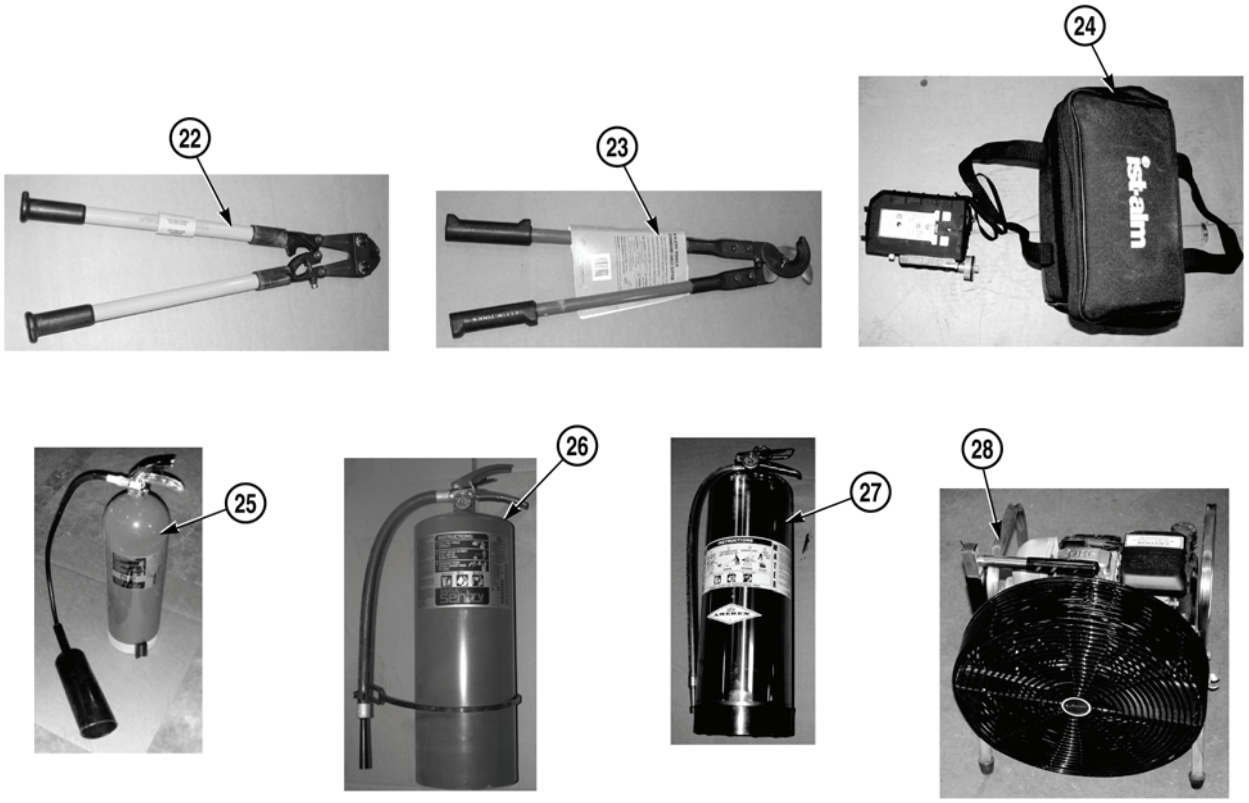






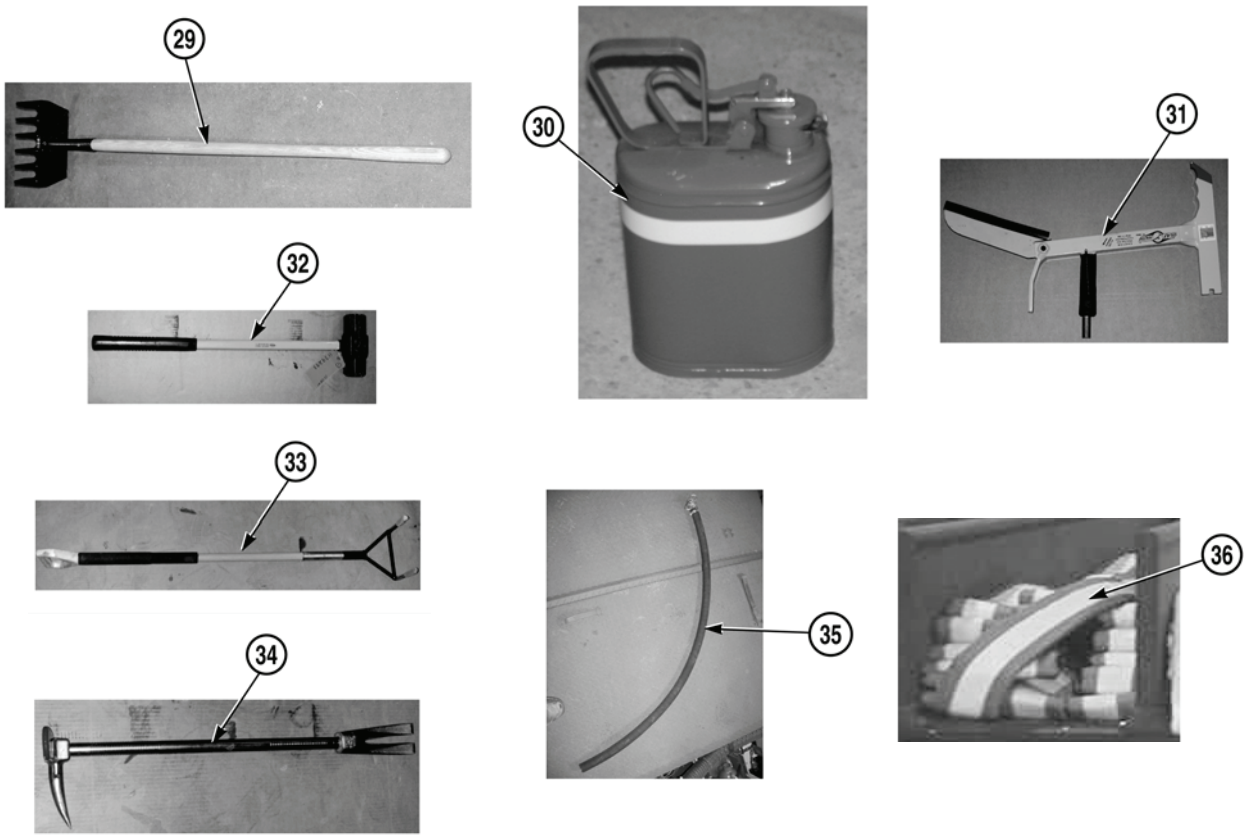
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
16	5130-01-524-2760	Chisel Kit, Air (Air Hammer), 911-RK (50013)		EA	1
17	2540-01-518-1001	Chock, Wheel, Zico, Folding, SAC-44-ME (51010)		EA	2
18	4210-01-114-6005	Clamp, Fire Hose, Shut Off, 0588-0P-0-1-19-0 (00912)		EA	1
19	4210-00-900-8557	Crash and Rescue Tool Kit, C1F-CRK5 (61125)		EA	1
20	4240-01-518-5438	Cribbing, Kit, Plastic, Black, AM187 USAR KIT (5B337)		EA	1
21	5120-00-224-1344	Crowbar, 5995A24 (39428)		EA	1

Table 1. Components of End Item. (Continued)



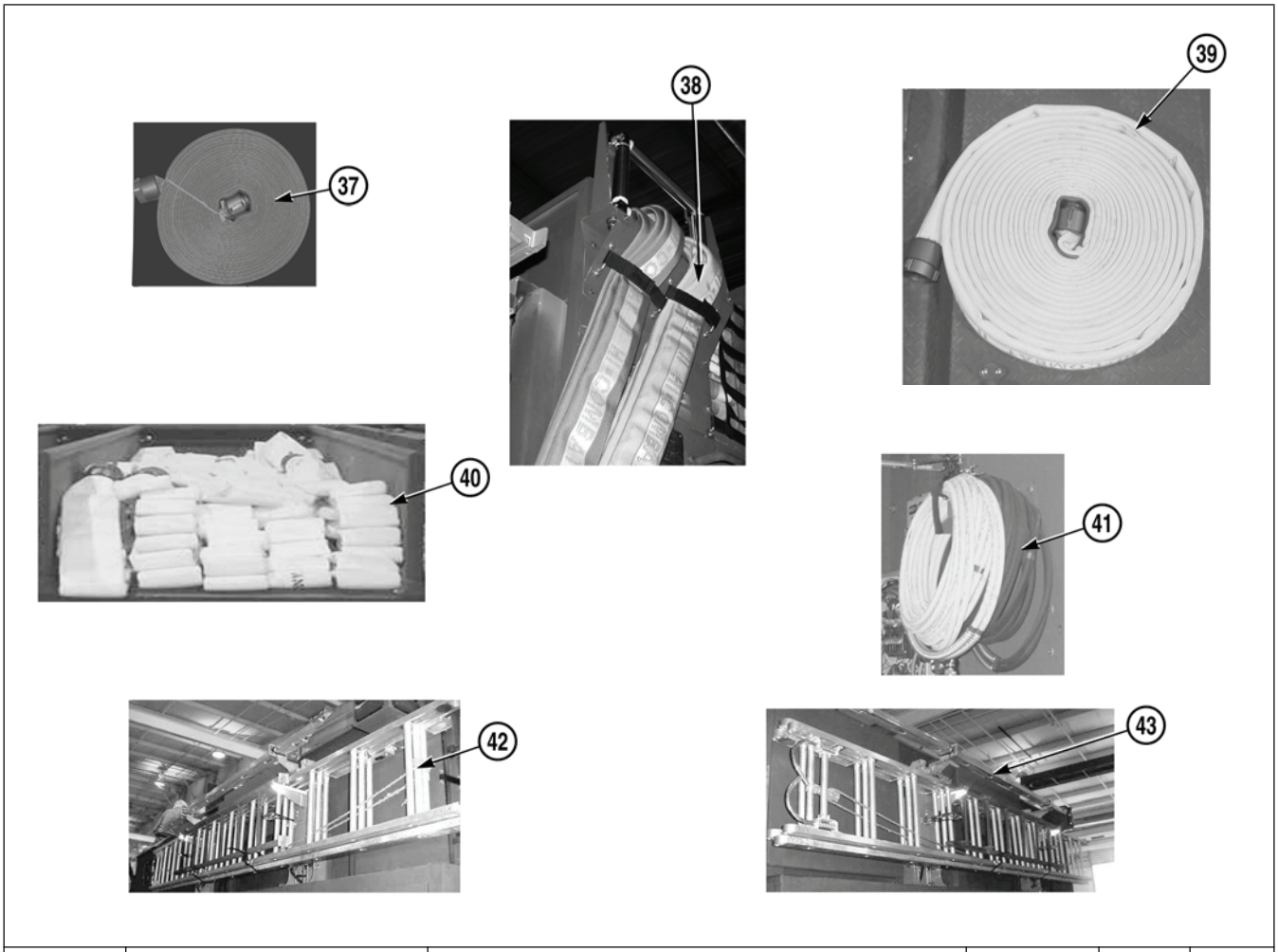
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
22	5110-01-518-9737	Cutters, Bolt, Zico, UCC-30 (51010)		EA	1
23	5110-01-191-9598	Cutters, Cable, Hand-Operated, 63041 (75347)		EA	1
24	6665-01-518-6859	Detector, Portable, Millennium, 973-621-916 (04664)		EA	1
25	4210-00-202-7858	Extinguisher, CO_2 Fire, 15 lb., 15KS-3 (0KDP7)		EA	1
26	4210-00-257-5343	Extinguisher, Fire, Dry Chemical, 20 lb., 1182627 (03670)		EA	1
27	4210-00-160-5632	Extinguisher, Fire, Water 2.5 gal, 1182873 (03670)		EA	1
28	4140-01-517-7763	Fan, Positive Pressure, GF164SE (0SHJ6)		EA	1

Table 1. Components of End Item. (Continued)



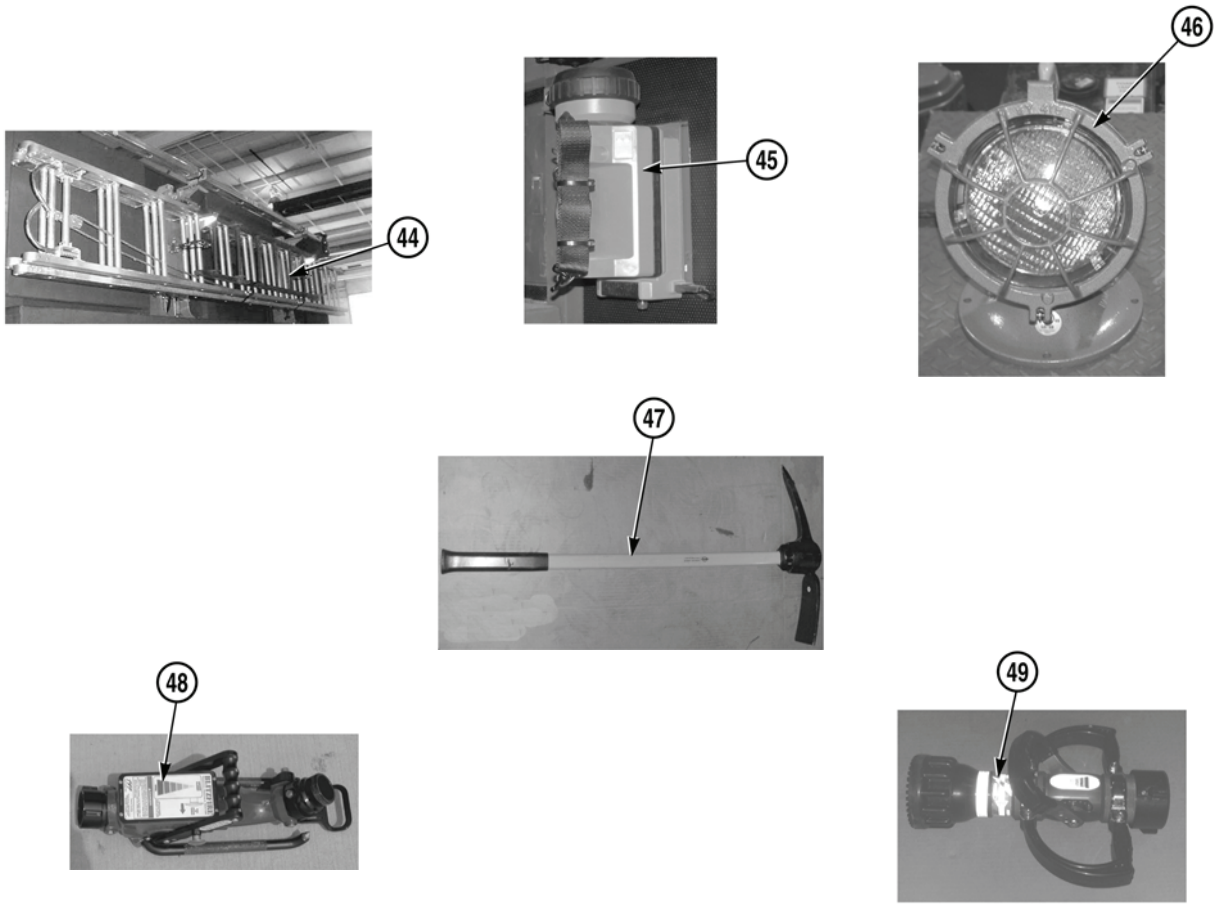
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
29	4210-01-518-5315	Forestry Fire Tool “McLeod,” AJ463 (15852)		EA	2
30	7240-01-518-7169	Gas Can, Steel, 1371261 (04664)		EA	2
31	5110-01-518-9740	Glass Cutting and Removal Tool, AB885 (15852)		EA	1
32	5120-01-395-7228	Hammer, Sledge, BD-12 (76732)		EA	2
33	5120-01-518-6795	Hook Trash, 6 ft., w/D-Handle, 1365155 (0HXV5)		EA	1
34	5120-01-503-4770	Hooligan Tool, 22-000600 (30978)		EA	1
35		Hose, Assembly, Foam Tank Drain 1405849 (30978)		EA	1
36	4210-01-518-0981	Hose Assembly, Hi Combat, Green, 1212149 (30978)		EA	4

Table 1. Components of End Item. (Continued)



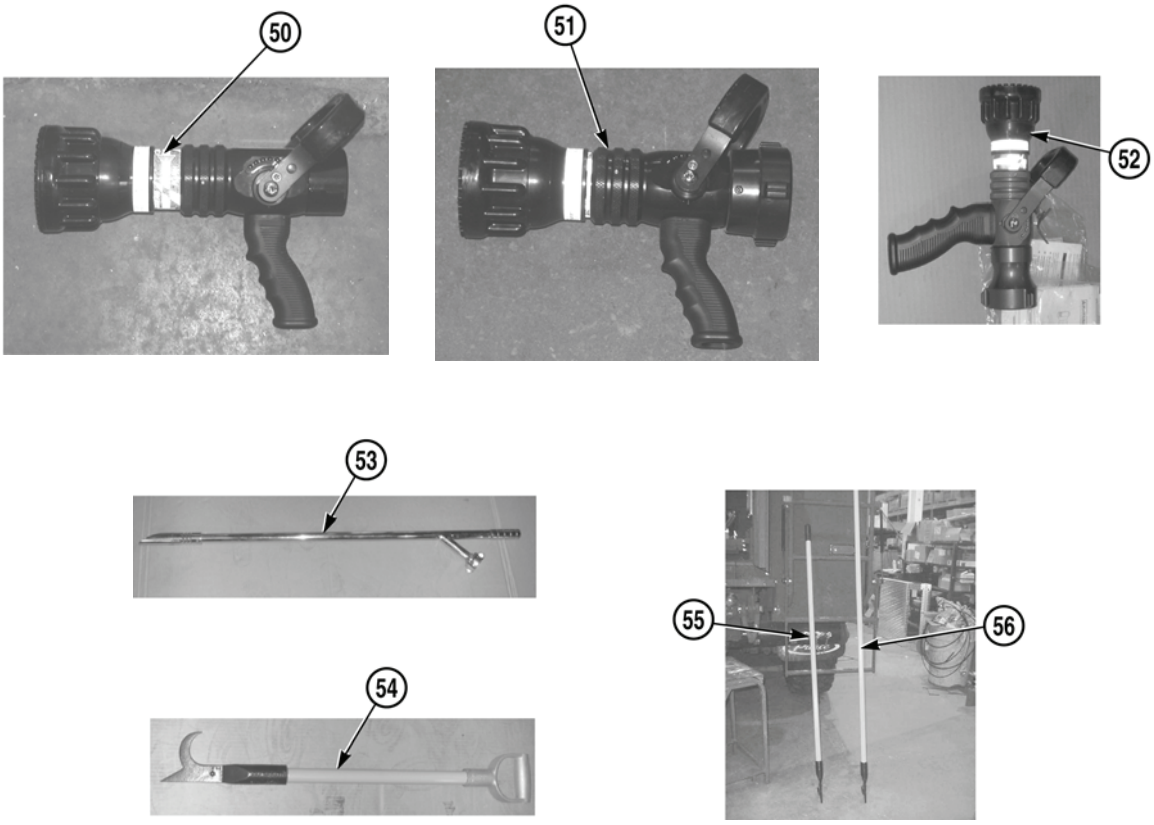
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
37	4210-01-518-0993	Hose Assembly, Hi Combat, Green, 1212180 (30978)		EA	2
38	4720-01-519-8971	Hose Assembly, Hi Combat, Yellow, 1365215 (04664)		EA	4
39	4720-01-517-8971	Hose Assembly, Hi Combat, Yellow, 1365215 (04664)		EA	2
40	4210-01-518-0992	Hose Assembly, Hi Combat, White, 1212097 (04664)		EA	24
41	4210-01-518-0415	Hose Set, 30 ft., 1181202 (04664)		EA	1
42	4210-01-127-7835	Ladder, 2 Section, Duo-Safety, 24 ft., 900-A-24 (18847)		EA	1
43	4210-00-160-5622	Ladder, Folding, Duo-Safety, 10 ft., 30-0012-010 (04664)		EA	1

Table 1. Components of End Item. (Continued)



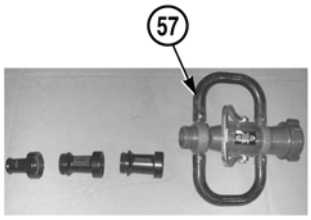
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
44	4210-01-127-7836	Ladder, Roof, Duo-Safety, 14 ft., 775A-14 (18847)		EA	1
45	6230-01-516-9420	Light, Hand, Streamlight Litebox, 61-1300 (04664)		EA	4
46		Light, Portable, L763 (15852)		EA	2
47	5120-00-243-2395	Mattock, Pick, 11677022 (19207)		EA	2
48	4210-01-518-5442	Monitor Package, Nozzle, Tips, 1212828 (04664)		EA	1
49	4210-01-518-2594	Nozzle, Auto, Handline, Play Pipe, H-2BLITZ (5M752)		EA	1

Table 1. Components of End Item. (Continued)

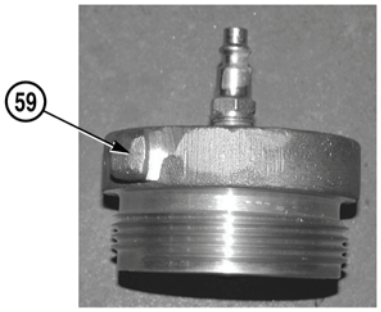


(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
50	4210-01-322-6341	Nozzle, Auto, Handline, H-VPGI (5M752)		EA	2
51	4210-01-518-2599	Nozzle, Auto Handline, w/Grip, H-2VPG1 (5M752)		EA	1
52	4210-01-333-8648	Nozzle, Automatic, Ultimatic, w/Grip, BGH125 (5M752)		EA	1
53	4210-01-518-2568	Nozzle, Piercing, Task Force, S-PN (5M337)		EA	1
54	5120-01-160-8062	Pike Pole, Fiberglass, 32 in., CH-32PC (51010)		EA	1
55	5120-01-518-4478	Pike Pole, Fiberglass, 6 ft., Zico, 4035-145-000 (51010)		EA	1
56	5120-01-160-5631	Pike Pole, Fiberglass, 10 ft., Zico, 10FP (18847)		EA	1

Table 1. Components of End Item. (Continued)



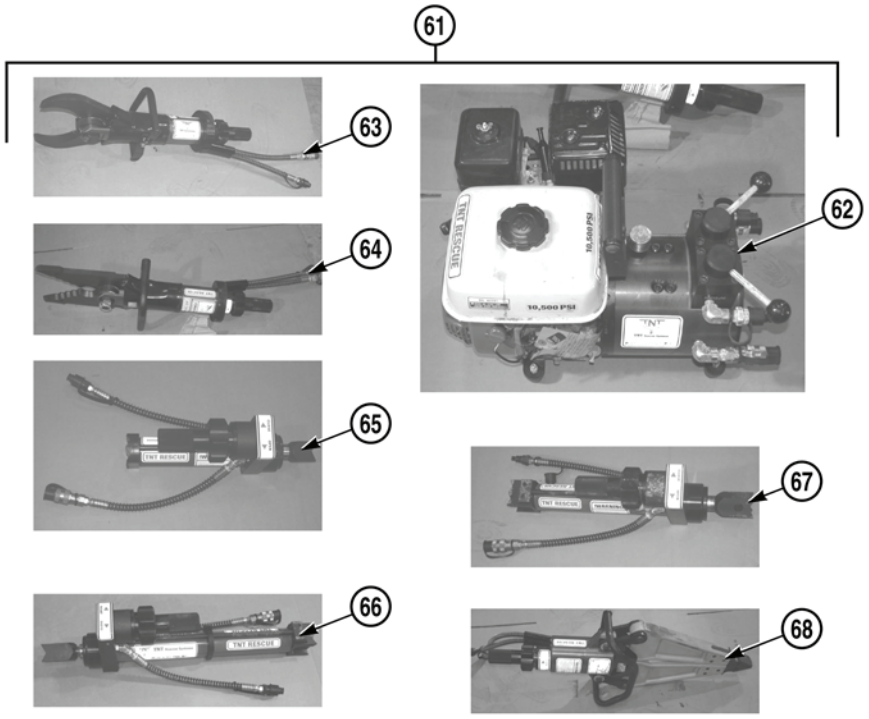






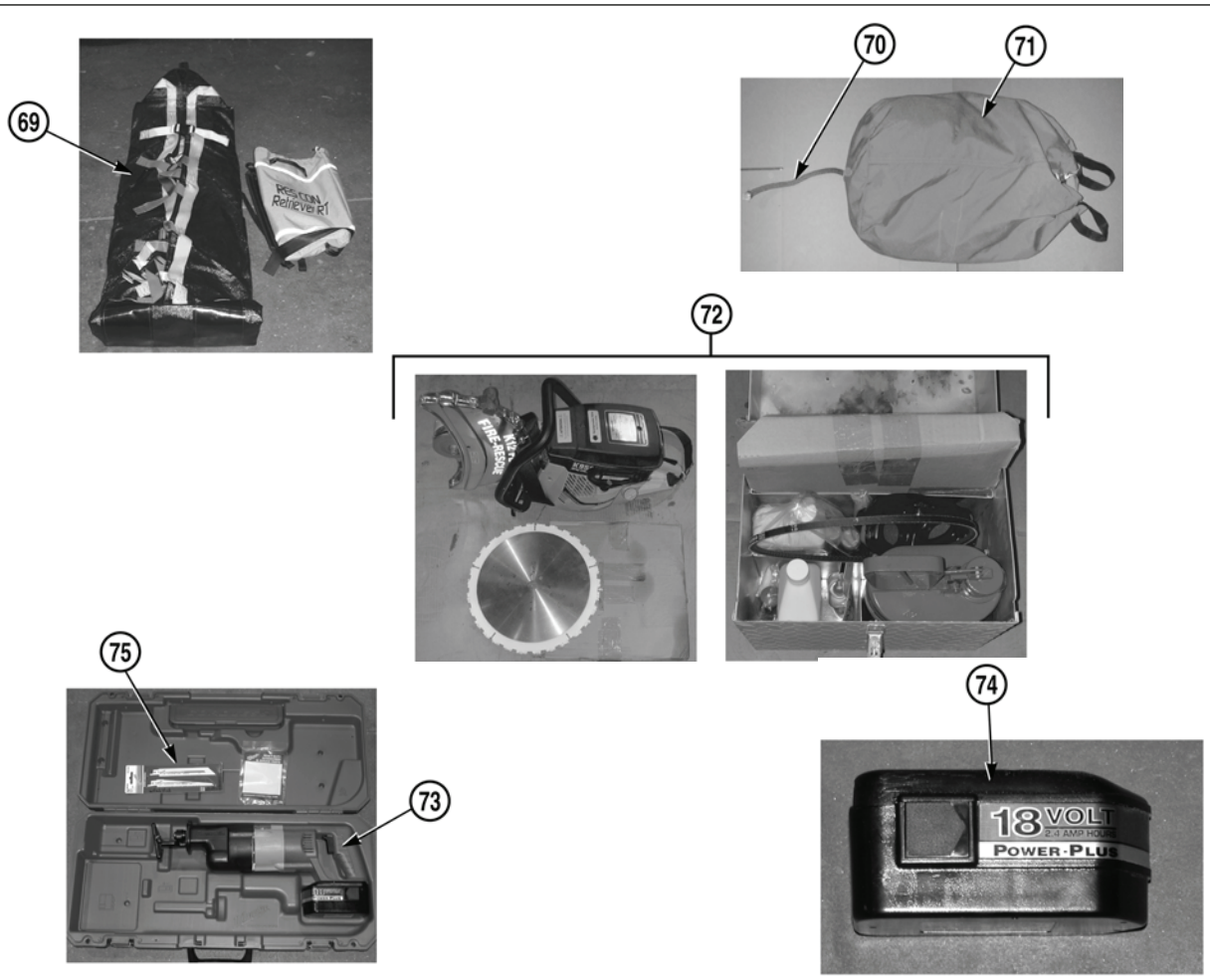
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
57	4210-01-518-2585	Play Pipe, Nozzle, Fire Hose, B-278-L (20266)		EA	1
58	4210-01-518-0428	Plug, 2.5 in., w/Chain, 1213493 (04664)		EA	1
59	4210-00-160-9855	Plug, 2.5 in. NST, Cast, w/Air Fitting, 110999A (45152)		EA	1
60	5820-01-518-2921	Radio, Two-Way, FM W, HT1250 (0B1A3)		EA	4

Table 1. Components of End Item. (Continued)



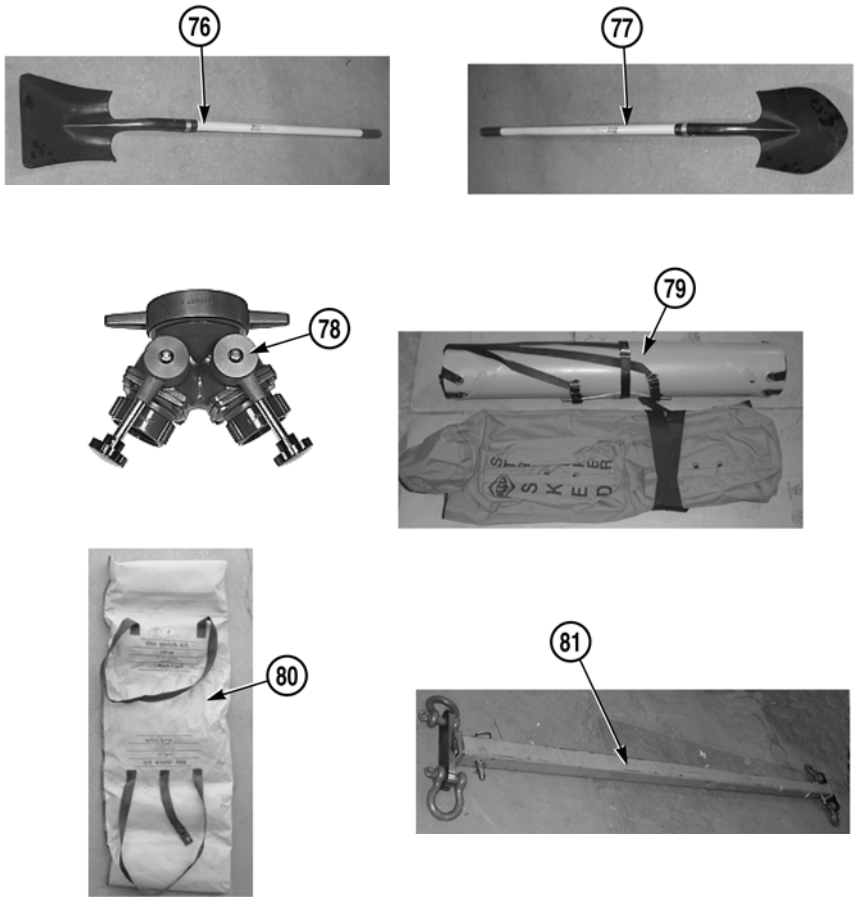
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
61	4210-01-248-8551	Rescue and Salvaging Kit, Hydraulic		EA	1
62	4320-01-249-6292	• BT-6.5 Hydraulic Power Unit, 50100 (82488)		EA	1
63	4240-01-237-2241	• C-20 Cutter, TNT, 1181193 (04664)		EA	1
64	4240-01-248-8540	• CC-20 Combination Tool, TNT, 1181196 (04664)		EA	1
65	4320-01-517-2885	• R-20 Ram TNT, 1181200 (04664)		EA	1
66	4320-01-253-7444	• R-30 Ram TNT, 30RAM (82488)		EA	1
67	4320-01-253-1443	• R-40 Ram TNT, 40RAM (82488)		EA	1
68	5130-01-518-7424	• S-100-32 Spreader, TNT, 1181195 (04664)		EA	1

Table 1. Components of End Item. (Continued)



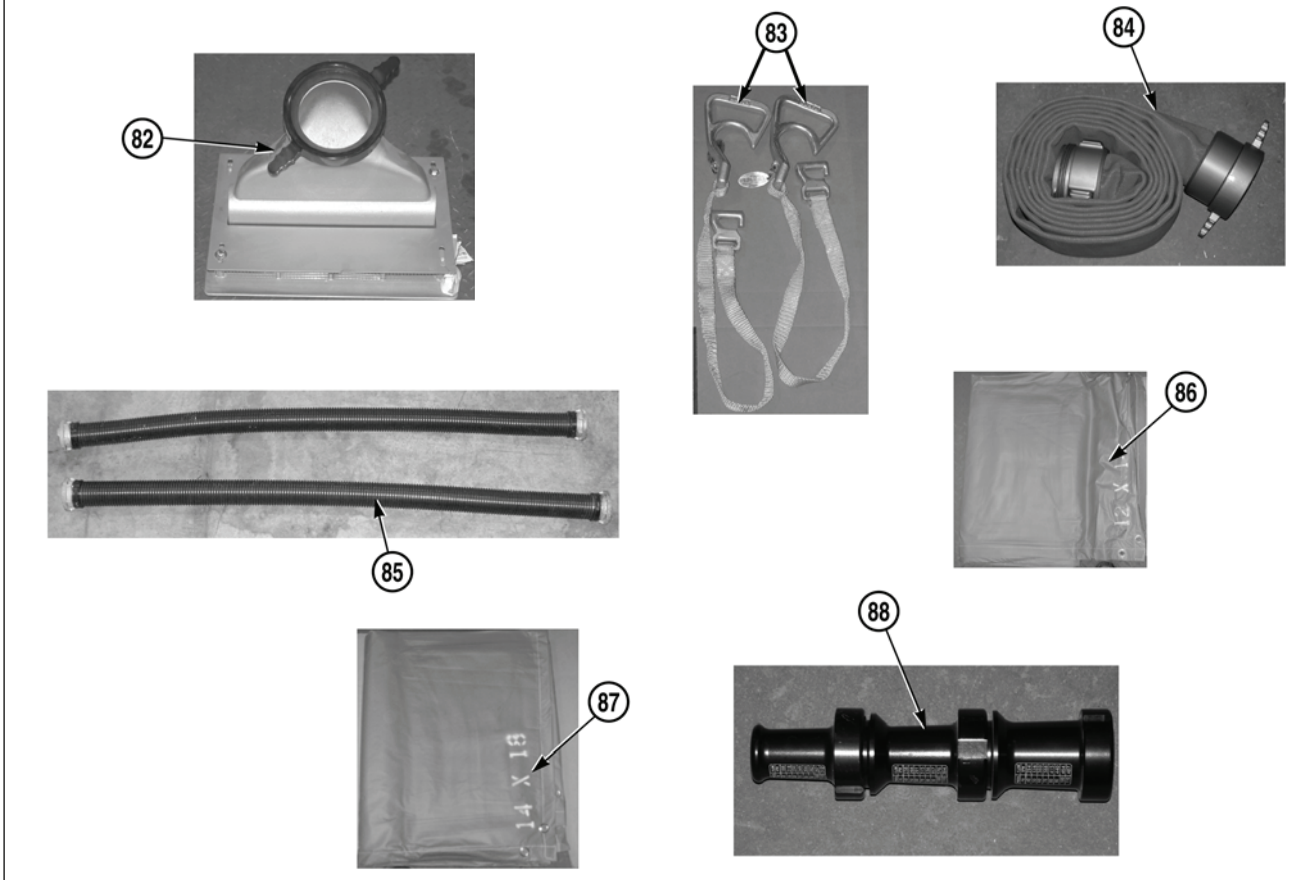
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
69		Retriever RT, 1365643 (04664)		EA	1
70	4020-01-518-3795	Rope, 0.50 in. Diameter, 1181205 (04664)		EA	2
71	8105-01-520-6394	Rope, Bag, 0.50 in. Diameter, Z110 (5B337)		EA	2
72	5130-00-134-1207	Saw, Circular, Blade, w/Toolbox, K-12FD9514MK55K (30978)		EA	1
73	5130-01-444-7017	Reciprocating Saw, 18 V Cordless, 6515-21 (40817)		EA	1
74	6140-01-518-2971	Reciprocating Saw, Replacement, Battery 4PD99 (41559)		EA	1
75	5130-01-518-4823	Reciprocating Saw, Replacement Blade, 1231194 (04664)		EA	1

Table 1. Components of End Item. (Continued)



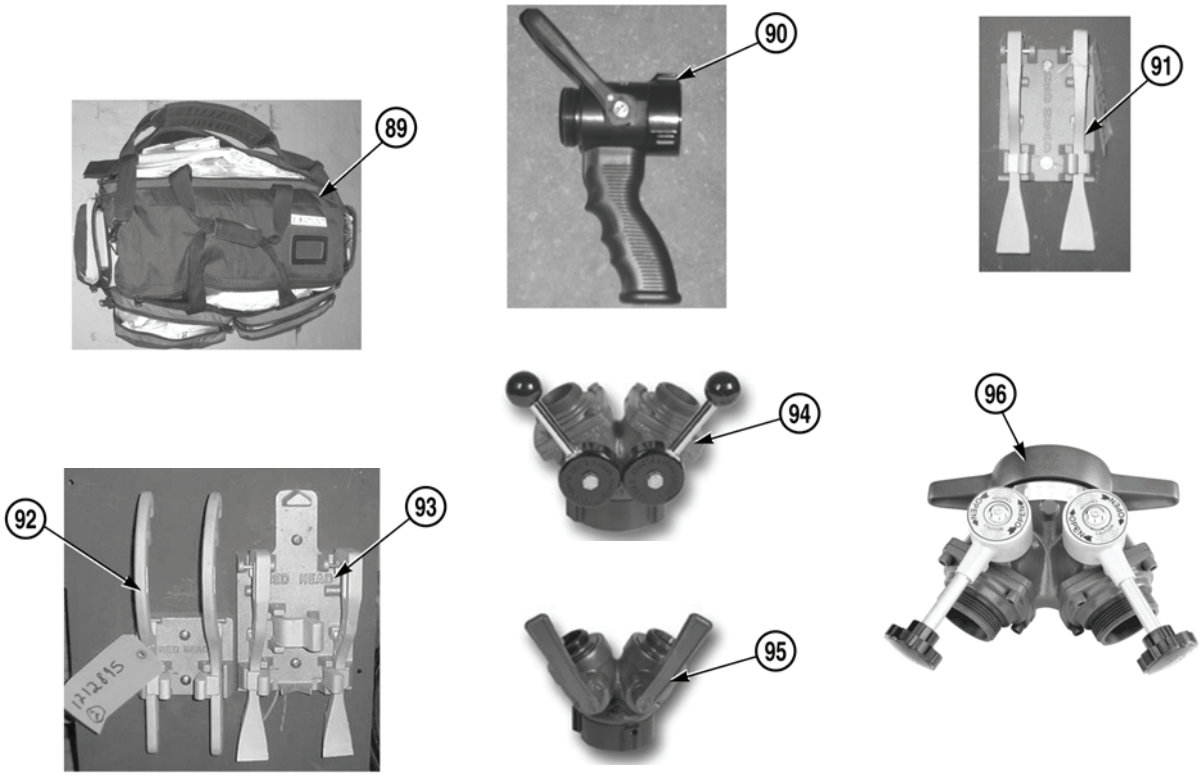
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
76	5120-01-518-4476	Shovel, Hand, Long Handle, SP-2-D (51010)		EA	2
77	5120-00-293-3336	Shovel, Hand, Long Handle, 11655784 (19207)		EA	2
78	4210-01-518-0908	Siamese 2-2.5 in. FNST x 4 in. FNST, 1267 (00912)		EA	1
79	6530-01-265-3583	Sked, Extraction Device, SK-300 (72446)		EA	1
80	6515-01-476-2311	Splint Kit, Air, 91150036 (17365)		EA	1
81		Spreader Bar, Lifting Kit, (04664)		EA	1

Table 1. Components of End Item. (Continued)



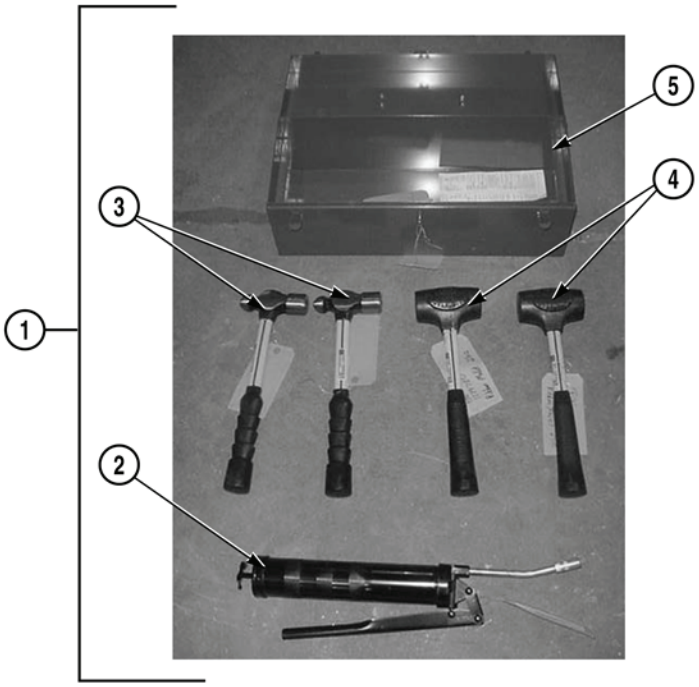
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
82	4210-01-518-5335	Strainer, Suction, Low Level, QD-500-NST (51010)		EA	2
83	4210-01-518-5302	Strap, Hose and Ladder, 78 (00912)		EA	4
84	4210-01-518-0984	Suction Hose, Soft, 5 in. x 15 ft., 1365350 (04664)		EA	1
85	4210-01-518-0990	Suction Hose, Hard, CRRGTD 5 in. x 10 ft., 33-1035 (04664)		EA	2
86	2540-01-516-6916	Tarpaulin, Vinyl-Nylon, 12 ft. x 14 ft., 1182623 (04664)		EA	1
87	2540-01-517-3687	Tarpaulin, Vinyl-Nylon, 14 ft. x 18 ft., 1182624 (04664)		EA	1
88	4210-01-517-6653	Tips, Triple Stacked, TFT, FS-3STACK (5M752)		EA	1

Table 1. Components of End Item. (Continued)



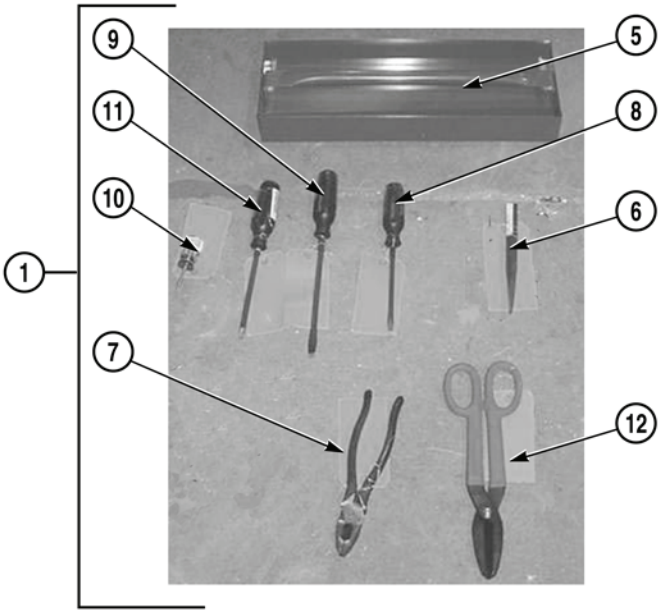
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
89	6545-01-519-5709	Trauma Kit O^2 Pro-To-Go, Plus, 1231132 (04664)		EA	1
90	4210-01-518-0908	Valve, 1.5 in., w/Grip, 1267 (00912)		EA	1
91	5120-01-518-8132	Wrench Set Spanner, Redhead, 146-2 (8T694)		EA	1
92	5120-01-518-6794	Wrench Set, Spanner, Redhead, 148-3 (8T694)		EA	2
93	5120-01-518-6793	Wrench Set, Spanner, Redhead, S-146-2 (8T694)		EA	2
94	4730-01-518-0234	Wye, Gated, 2.5 in. x (2) 1.5 in., 03020 (00912)		EA	1
95	4730-01-518-0386	Wye, Gated, 1.5 in. x (2) 1.5 in., 2580 (00912)		EA	1
96	4810-01-261-7936	Wye, Gated, 2.5 in. x (2) 2.5 in., B-97A-2-2½-4½ F (20266)		EA	1

Table 2. Basic Issue Items.



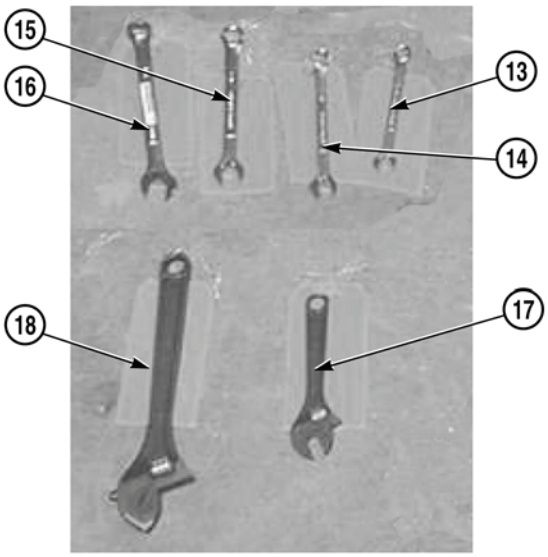
(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
1		Toolbox Kit, Metal, 1366124		EA	1
2	4930-00-253-2478	• Grease Gun, Hand-Operated, 8F9866 (11083)		EA	1
3	5120-00-335-1477	• Hammer, Hand, Ball-Peen 1 lb., BP16B (55719)		EA	2
4	5120-00-293-3399	• Rubber Mallet, 293-3399 (80204)		EA	2
5		Toolbox, Metal, 1179287		EA	1

Table 2. Basic Issue Items. (Continued)



(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
6	5110-00-398-9369	• Chisel, Cold, Hand, 9-42975 (53800)		EA	1
7		• Pliers, Lineman's, 9-KLD2139NEI (OTA44)		EA	1
8	5120-00-398-9403	• Screwdriver, Flat Tip, 9-47445 (OTA44)		EA	1
9	5120-00-398-9404	• Screwdriver, Flat Tip, 9-47447 (OTA44)		EA	1
10	5120-00-224-7370	• Screwdriver, Phillips Tip, 5120-00-224-7370 (64067)		EA	1
11	5120-00-398-9245	• Screwdriver, Phillips Tip, 9-47437 (OTA44)		EA	1
12	5110-00-429-7326	• Shears, Metal Cutting, Hand, CD14A (55719)		EA	1

Table 2. Basic Issue Items. (Continued)



(1) Item Number	(2) National Stock Number (NSN)	(3) Description, Part Number/(CAGEC)	(4) Usable On Code	(5) U/I	(6) Qty. Rqr.
13	5120-00-935-7370	• Wrench Set, Box and Open End, 7/16 in., 9-44384 (53800)		EA	1
14	5120-00-935-7371	• Wrench Set, Box and Open End, 1/2 in., 9-44385 (53800)		EA	1
15	5120-00-935-7372	• Wrench Set, Box and Open End, 9/16 in., 9-44386 (53800)		EA	1
16	5120-00-935-7373	• Wrench Set, Box and Open End, 5/8 in., 9-44387 (53800)		EA	1
17	5120-00-264-3795	• Wrench, Adjustable, Size 6, 41W10TYPEJ (99993)		EA	1
18	5120-00-449-8083	• Wrench, Adjustable, Size 10 D710 (96508)		EA	1

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

ADDITIONAL AUTHORIZATION LIST (AAL)

SCOPE

This work package lists additional items that are authorized for the support of the M1142 vehicle.

GENERAL

This list identifies items that do not have to accompany the M1142 vehicle and that do not have to be turned in with it. These items are all authorized for use by CTA, MTOE, TDA, or JTA.

EXPLANATION OF COLUMNS IN THE AAL

Column (1) National Stock Number (NSN). Identifies the stock number of the item to be used for requisitioning purposes.

Column (2) Description, Part Number/(CAGEC). Identifies the Federal Item Name, followed by a minimum description when needed. The last line below the description is the part number and the Commercial and Government Entity Code (CAGEC) (in parentheses).

Column (3) Usable on Code. When applicable, identifies a code if the item you need is not the same for different models of equipment. If no code is entered in this column, item is used on all models. These codes are identified as:

Code	Used On
FFT	M1142

Column (4) U/I. Unit of Issue (U/I) indicates the physical measurement or count of the item as issued per the National Stock Number (NSN) shown in column (1).

Column (5) Qty. Recm. Indicates the quantity recommended.

Table 1. Additional Authorization List.

(1) National Stock Number (NSN)	(2) Description, Part Number/(CAGEC)	(3) Usable On Code	(4) U/I	(5) Qty. Recm.
5855-01-485-3429	THERMAL IMAGER (09729)			1
6650-01-394-0183	BINOCULARS (13711); 17-5010			1
	HOTEL PACK/HIGH-RISE PACK (OPXV9) HOSE VICE-200, # HOV-200			1
	HEAT SENSOR (OPXV9); ST-6			1
	AX BELTS (OPXV9); 534			1
	LITTLE GIANT LADDER (OPXV9); 10103			1
	HEAD BLOCKS FOR BACKBOARD (2T511); FERRO HEAD, HUGGER # 455			1
	RESCUE PULLEYS (OPXV9); 315200			4
	RESCUE PULLEYS (OPXV9); 315500			4
	RESCUE PULLEYS (OPXV9); 340004			4
	ANCHOR STRAPS (OPXV9); 201020			2
	AIR BAG CHECK VALVE (OPXVP); 890470			4
	SPOTLIGHT HANDHELD 12 V (OPXV9); MAGNUM, SINGLE STAGE 8.5 in., 12 V			1
	75 FT. EXT CHORD, 20 AMP W/STD MALE CONNECTOR, 5-20P FEMALE CONNECTOR, (OPXV9); SPECIAL ORDER			1
	RADIO SOFTWARE (78205); HNV9025L			1
	RADIO PROGRAM CABLE (78205); AARKN4081B			1
	RADIO PROGRAM CABLE (7825); AARKN4075A			1
4210-01-166-8122	WILDLAND HOSE			8
4210-01-165-6597	WILDLAND HOSE			8

Table 1. Additional Authorization List. (Continued)

(1) National Stock Number (NSN)	(2) Description, Part Number/(CAGEC)	(3) Usable On Code	(4) U/I	(5) Qty. Recm.
4210-00-640-1892	FIRE HOSE NOZZLES			2
4210-01-321-4206	WILDLAND REDUCERS			2
7240-00-559-7364	FUNNEL, METAL GOOSENECK; OIL, GAS			1
7240-00-404-9795	FUNNEL, PLASTIC; OIL, GAS			1
	NOZZLE, CELLAR, TASK FORCE TIPS (04664); 1179770			1
	COUPLING, HOSE STYLE F, 2.5 IN. MALE BST, 2.5 IN. FEMALE NST (04664); 1179772			2
	COUPLING, HOSE STYLE F, 2.5 IN. MALE BST, 2.5 IN. FEMALE NST (04664); 1179773			2
	JACKET, FIRE HOSE, STYLE 772 (04664); 1179789			1
	HOIST, HOSE: AKROLITE (04664); 1179789			1
	NOZZLE, AUTO, HANDLINE, W/GRIP (04664); 1364945			2

END OF WORK PACKAGE

FIELD LEVEL MAINTENANCE

EXPENDABLE SUPPLIES AND MATERIALS LIST

SCOPE

This appendix lists expendable and durable supplies and materials you will need to operate and maintain the TFFT. This listing is for informational purposes only and is not authority to requisition the listed items. These items are authorized to you by CTA 50-970, Expendable/Durable Items (Except Medical, Class V, Repair Parts, and Heraldic Items), or CTA 8-100, Army Medical Department Expendable/Durable Items.

EXPLANATION OF COLUMNS

a. Column (1) - Item Number. This number is assigned to the entry in the listing and is referenced in Initial Setup to identify the material (e.g., Tags, Identification (WP 0625, Item 51)).

b. Column (2) - Level. This column identifies the lowest level of maintenance that requires the listed item.

C - Operator/Crew

F - Field Level Maintenance

c. Column (3) - National Stock Number. This is the National Stock Number assigned to the item; use it to request or requisition the item.

d. Column (4) - Description. Indicates the Federal Item name, part number, and the Commercial and Government Entity (CAGE) Code.

e. Column (5) - Unit of Measure (U/M). Indicates the measure used in performing the actual maintenance function. This measure is expressed by two-character alphabetical abbreviations (e.g., EA, IN, PR). If the unit of measure differs from the unit of issue, requisition the lowest unit of issue that will satisfy your requirements.

Table 1. Expendable and Durable Supplies and Materials List.

(1) Item Number	(2) Level	(3) National Stock Number	(4) Description	(5) U/M
1			Adhesive, Armacell 520	
2		8040-01-282-1332	Adhesive, RTV 732 (71984)	TU
3			Adhesive, Sealant, Loctite 515 (05972)	
			(No. 51517), 6-ml tube	TU
		8030-01-137-6964	(No. 51531), 50-ml tube	TU
		8030-01-262-3560	(No. 51574), 300-ml tube	TU
4		8040-00-118-2695	Adhesive, Sealant, RTV, Non-Corrosive (81349), M46146-11AWY	KT

Table 1. Expendable and Durable Supplies and Materials List. (Continued)

(1) Item Number	(2) Level	(3) National Stock Number	(4) Description	(5) U/M
5		8040-00-995-0590	Adhesive, Sealant, Silicone RTV, General Purpose (71984), SILASTIC 132 RTV	TU
6		8040-00-938-6860	Adhesive, Spray (81348), MMM-A-1058	EA
7		8040-01-250-3969	Adhesive, Thread, Locking (05972), Loctite 242	EA
8			Antifreeze, Arctic Type (MIL-A-11755)	
			(58536), AA52624-1-A	
		6850-01-464-9125	1-gal. can	GL
		6850-01-441-3248	55-gal. drum	GL
9			Antifreeze, Permanent, Ethylene Glycol, Inhibited, (MIL-A 46153)	
		6850-01-441-3218	1-gal. can, (58536), AA52624-1-A	GL
		6850-00-181-7933	5-gal. drum, (81349), MILA46153	GL
		6850-01-441-3223	55-gal. drum, AA52624-1-A	GL
10			Bork Insulation Tape (Pierce P/N 95-1372)	RO
11			Chemical Agent Resistant Coating (CARC) Green 383 (MIL-C-46168B)	
			(81349)	
		8010-01-160-6741	1-qt. kit, M46168-2-34094-1Q1/2P	KT
		8010-01-162-5578	1-gal. kit, M46168-2-34094-1G1Q	KT
		8010-01-160-6742	5-gal. kit, M46168-2-34094-4G1G	KT
12			Cleaning Compound, Solvent	
		6850-00-664-5685	1-qt. can (58536), AA59601-10	QT
		6850-00-281-1985	1-gal. can (02978), PS661	GL
13		7920-00-044-9281	Cloth, Cleaning, Low-lint (58536), A-A-59323	BX
14		8030-00-597-5367	Compound, Anti-seize, High Temperature, (MIL-A-907) 2-1/2 lb. Can, (81349)	LB
15		8030-00-251-3980	Compound, Anti-seize Loctite 767 (Pierce 95-1299) 1-lb can, (81349), MIL-A-907	LB
16			Compound, Cleaning P-C-435A	EA
17		8030-00-063-7276	Compound, Sealing (71984)	GL
18		8038-01-132-9624	Compound, Sealing, Loctite 243, (66935), P/N 013-01-678-000	BT
19			Compound, Sealing, Loctite 565 (45152) (P/N 3487116)	BX

Table 1. Expendable and Durable Supplies and Materials List. (Continued)

(1) Item Number	(2) Level	(3) National Stock Number	(4) Description	(5) U/M
20			Compound, Sealing, Lubricating, Wicking, Thread Locking, Anaerobic, Single Component, (MIL-S-46163) Type II, Grade N	
			(81349), MIL-S-46163	
		8030-01-104-5392	10-ml bottle	BT
		8030-01-014-5869	50-ml bottle	BT
		8030-01-025-1692	250-ml bottle	BT
21		8030-01-054-0740	Compound, Sealing, Pipe Thread, Loctite 592 (05972), 59231 (702350-X)	BX
22			Gasket/Sealant, Pierce P/N 95-1293	EA
23			Grease, Automotive and Artillery GAA (81349), MIL-G-10924	
		9150-01-197-7688	2-1/4-oz tube, M-10924-A	OZ
		9150-01-197-7693	14-oz cartridge, M-10924-B	OZ
		9150-01-197-7690	1-lb can, M-10924-C	LB
		9150-01-197-7689	6.5-lb can, M-10924-D	LB
		9150-01-197-7692	35-lb can, M-10924-E	LB
		9150-01-197-7691	120-lb can, M-10924-F	LB
24			Grease, Motor Assembly, Lubriplate No.105	TU
25			Grease, Spline Lubricant (Pierce 95-1999), 14-oz tube	TU
26			Grease, Victaulic (Pierce P/N 96-0646)	
27			Heat Trace 120 V, 10 W/ft.	FT
28			Inhibitor, Corrosion, Liquid Cooling System (89524)	
			(95719), NALC00L	
		6850-01-085-4717	1-pt can	PT
			(0WT79), NALC00L2000	
		6850-01-085-4718	64-oz bottle	OZ
		6850-01-085-4719	5-gal. drum	GL
		6850-01-086-3438	55-gal. drum	GL
29			Insulation, Armacell, Armaflex	EA
30			Jelly, Petroleum	EA
31		9505-00-191-3680	Lockwire, (81349), QQW461-063THK	RL
32		8010-00-246-6112	Mineral Spirits, (81349), MIL-PRF-680	GL

Table 1. Expendable and Durable Supplies and Materials List. (Continued)

(1) Item Number	(2) Level	(3) National Stock Number	(4) Description	(5) U/M
33			Oil, Fuel, Diesel DF-1 Winter (VV-F-800)	
			(58536), AA52557-1	
		9140-00-286-5286	Bulk	GL
		9140-00-286-5287	5-gal. can	GL
		9140-00-286-5288	55-gal. drum, 16 gauge	GL
		9140-00-286-5289	55-gal. drum, 18 gauge	GL
34			Oil, Fuel, Diesel DF-2 Regular (VV-F-800)	
			(58536), AA52557-1	
		9140-00-286-5294	Bulk	GL
		9140-00-286-5295	5-gal. can	GL
		9140-00-286-5296	55-gal. drum, 16 gauge	GL
		9140-00-286-5297	55-gal. drum, 18 gauge	GL
35			Oil, Gear 80 w 90	
			(81349), M2105-2-80W90	
		9150-01-035-5392	1 quart can	QT
		9150-01-313-2191	1 gallon can	GL
		9150-00-001-9395	5 gallon can	GL
36			Oil, Hydraulic, Dexron III	
			(24617)	
		9150-00-698-2382	1 qt.	QT
		9150-01-353-4799	1 qt.	QT
		9150-00-657-4959	5 gal.	GL
		9150-01-114-9968	55 gal.	GL
37			Oil, Lubricating, Internal Combustion Engine, Tactical Service (MIL-L-2104), (OE/HDO 15W/40)	
			(81349)	
		9150-01-152-4117	1-qt. can, MIL-PRF-2104	QT
		9150-01-178-4725	24-qt. box, MIL-PRF-2104	QT
		9150-01-152-4118	5-gal. can, MIL-PRF-2104	GL
		9150-01-152-4119	55-gal. drum, M2104-5-15W/40	GL
38			Oil, Lubricating, OE/HDO 10 (MIL-L-2104)	
			(81349)	
		9150-00-189-6727	1-qt. can, M2104-1-10W	QT
		9150-00-186-6668	5-gal. can, MIL-PRF-2104	GL
			(98308)	
		9150-00-191-2772	55-gal. drum, BRAYC0421C	GL

Table 1. Expendable and Durable Supplies and Materials List. (Continued)

(1) Item Number	(2) Level	(3) National Stock Number	(4) Description	(5) U/M
39			Oil, Preservative (MIL-C-8188)	
40			Oil, Preservative (MIL-O-6083)	
41			Refrigerant, R-134a	
42			Refrigeration Oil, type P.A.G. (Pierce P/N 95-0489)	
43			Rust Preventive MIL-C-16173 Texaco Type “L”,	
			(81349), MIL-C-16173	
		8030-00-062-5866	1-qt. can	QT
		8030-00-231-2345	1-gal. can	GL
		8030-00-244-1293	5-gal. pail	GL
		8030-00-244-1294	55-gal. drum	GL
44		8030-01-211-9576	Seal, Sentry, Blue	TU
45			Sealant, Nut Locking Grade (Perma Bond MM115)	
			(81349), MIL-S-46163	
		8030-01-014-5869	50-ml bottle,	BT
		8030-01-025-1692	250 cubic cm	BT
46		1015-01-255-4144	Sealant, Pipe, Teflon, 50-ml tube, (19207), 12297953	TU
47			Sealant, RTV200 Electrical, (3119525), (45152)	
48			Shrink, Heat 603314-4 (04618)	
49		6850-00-294-0860	Silicone Compound, Lubricant 5-oz tube, (71984) DC 111, (03CA3), PST-511	TU
50			Soap Chips, P-S-579	
			(81346)	
		7930-00-634-3935	200-lb drum, ASTM 0 496	LB
		7930-00-579-8532	100-lb drum, P-S-1792	
51		8135-00-178-9200	Tags, Identification (MIL-T-12755), (58536), A-A-1916 1000 per ctn.	CT
52		7560-00-079-7604	Tape, Adhesive, 5/8 in. (52152) 4516, 36-yard roll	RO
53			Tape, Foam, Vinyl, 0.38 x 1.25 in. (P/N 943002)	RO
54			Tape, Heat Trace, Aluminum	RO
55			Tape, Heat Trace, Glass	RO
56		5970-00-644-3167	Tape, Insulation, Electrical (MIL-T-50886), (80063), TL83	RO
57			Tape, Teflon 1/2 in. wide (943068)	RO
58		5975-01-034-5871	Ties, Cable, Plastic (81343), MS3367-7-0	HD
59			Window Weld (08633 Re-sealant)	

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Wheel Chocks Stowage Compartment	
Installation	WP 0560-2
Removal	WP 0560-1
Windshield Deluge	
Starting Windshield Deluge System	WP 0038-1
Stopping Windshield Deluge System	WP 0038-1
Windshield Deluge Motor	
Installation	WP 0432-2
Removal	WP 0432-1
Windshield Deluge Pump House Strainer Screen	
Installation	WP 0561-2
Removal	WP 0561-1
Windshield Deluge Shutoff Valve and Strainer Assembly	
Installation	WP 0582-4
Removal	WP 0582-1
Windshield Deluge System	
Installation	WP 0562-4
Removal	WP 0562-1
Windshield Deluge System Does Not Operate Properly	WP 0125-1
Wire Rope	
Installation	WP 0563-2
Removal	WP 0563

RECOMMENDED CHANGES TO PUBLICATIONS AND BLANK FORMS For use of this form, see AR 25-30; the proponent agency is OAASA	Use Part II *(reverse)* for Repair Parts and Special Tool Lists (RPSTL) and Supply Catalogs/Supply Manuals (SC/SM).	DATE
TO: *(Forward to proponent of publication or form) (Include ZIP Code)*	**FROM:** *(Activity and location) (Include ZIP Code)*	

PART I - ALL PUBLICATIONS (EXCEPT RPSTL AND SC/SM) AND BLANK FORMS

PUBLICATION/FORM NUMBER	DATE	TITLE

ITEM	PAGE	PARA-GRAPH	LINE	FIGURE NO.	TABLE	RECOMMENDED CHANGES AND REASON

** Reference to line numbers within the paragraph or subparagraph.*

TYPED NAME, GRADE OR TITLE	TELEPHONE EXCHANGE/AUTOVON, PLUS EXTENSION	SIGNATURE

TO: *(Forward direct to addressee listed in publication)*	FROM: *(Activity and location) (Include ZIP Code)*	DATE

PART II - REPAIR PARTS AND SPECIAL TOOL LISTS AND SUPPLY CATALOGS/SUPPLY MANUALS

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

PART III - REMARKS *(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.)*

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By order of the Secretary of the Army:

GEORGE W. CASEY, JR.
General, United States Army
Chief of Staff

Official:



JOYCE E. MORROW
Administrative Assistant to the
Secretary of the Army
0827705

Distribution: To be distributed in accordance with the initial distribution number (IDN) 381211, requirements for TM 5-4210-249-13&P-4.

THE METRIC SYSTEM AND EQUIVALENTS

LINEAR MEASURE
1 Centimeter=10 Millimeters=0.01 Meters=0.3937 Inches
1 Meter=100 Centimeters=1000 Millimeters=39.37 Inches
1 Kilometer=1000 Meters=0.621 Miles

WEIGHTS
1 Gram=0.001 Kilograms=1000 Milligrams=0.035 Ounces
1 Kilogram=1000 Grams=2.2 Lb
1 Metric Ton=1000 Kilograms=1 Megagram=1.1 Short Tons

LIQUID MEASURE
1 Milliliter=0.001 Liters=0.0338 Fluid Ounces
1 Liter=1000 Milliliters=33.82 Fluid Ounces

SQUARE MEASURE
1 Sq Centimeter=100 Sq Millimeters=0.155 Sq Inches
1 Sq Meter=10,000 Sq Centimeters=10.76 Sq Feet
1 Sq Kilometer=1,000,000 Sq Meters=0.386 Sq Miles

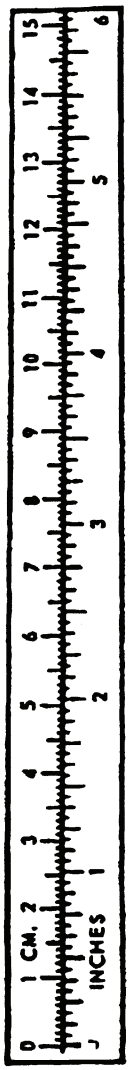
CUBIC MEASURE
1 Cu Centimeter=1000 Cu Millimeters=0.06 Cu Inches
1 Cu Meter=1,000,000 Cu Centimeters=35.31 Cu Feet

TEMPERATURE
5/9 (°F − 32) = °C
212° Fahrenheit is equivalent to 100° Celsius
90° Fahrenheit is equivalent to 32.2° Celsius
32° Fahrenheit is equivalent to 0° Celsius
9/5 C° + 32 = F°

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
Pints	Liters	0.473
Quarts	Liters	0.946
Gallons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds/Sq Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Sq Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Sq Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
Liters	Gallons	0.264
Grams	Ounces	0.035
Kilograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pound-Feet	0.738
Kilopascals	Pounds per Sq Inch	0.145
Km per Liter	Miles per Gallon	2.354
Km per Hour	Miles per Hour	0.621



PIN: 085106-000