

**TECHNICAL MANUAL**

**UNIT, DIRECT SUPPORT,  
AND GENERAL SUPPORT  
REPAIR PARTS AND SPECIAL TOOLS LIST**

**PUMP UNIT, CENTRIFUGAL,  
DIESEL ENGINE DRIVEN  
SELF-PRIMING, 65 GPM WATER  
MODEL 4M SDQ 2000**

**NSN 4320-01-338-8010**

---

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

**HEADQUARTERS, DEPARTMENT OF THE ARMY  
4 APRIL 1994**

**UNIT, DIRECT SUPPORT AND  
 GENERAL SUPPORT MAINTENANCE  
 REPAIR PARTS AND SPECIAL TOOLS LIST  
 FOR  
 PUMP UNIT, CENTRIFUGAL,  
 DIESEL ENGINE DRIVEN  
 SELF-PRIMING, 65 GPM WATER  
 NSN 4320-01-338-8010**

Current As Of 10 January 1994

**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us now. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located on back of this manual direct to: U.S. Army Aviation and Troop Command, AITN: AMSAT-I-MTS, 4300 Goodfellow Blvd., St. Louis, MO 63129-1798. A reply will be furnished to you.

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

**TABLE OF CONTENTS**

|  | <b>Page</b> | <b>Illus/<br/>Figure</b> |
|--|-------------|--------------------------|
| <b>Section I. INTRODUCTION .....</b>       | <b>1</b>    |                          |
| <b>Section II. REPAIR PARTS LIST .....</b> | <b>1-1</b>  |                          |
| Group 01 Enclosure Assembly .....          | 1-1         | 1                        |
| Enclosure Assembly, Inlet Side .....       | 2-1         | 2                        |
| Enclosure Assembly, Outlet Side .....      | 3-1         | 3                        |
| Pump Inlet/Outlet Piping .....             | 4-1         | 4                        |
| Mounting Plate and Bottom Pan Frame.....   | 5-1         | 5                        |
| Pump and Engine Assembly .....             | 6-1         | 6                        |
| Group 02 Pump, Centrifugal .....           | 7-1         | 7                        |
| Group 03 Diesel Engine                     |             |                          |
| Fuel Tank Assembly .....                   | 8-1         | 8                        |
| Fuel Lines .....                           | 9-1         | 9                        |
| Air Cleaner Assembly .....                 | 10-1        | 10                       |
| Exhaust Silencer .....                     | 11-1        | 11                       |

**TABLE OF CONTENTS - Continued**

|  | <b>Page</b>      | <b>Illus/<br/>Figure</b> |
|--|------------------|--------------------------|
| Recoil Starter .....   | 12-1             | 12                       |
| Cooling Fan Case .....   | 13-1             | 13                       |
| Fuel Injector Valve Assembly .....   | 14-1             | 14                       |
| Fuel Injector Pump .....   | 15-1             | 15                       |
| Lube Oil Strainer .....  | 16-1             | 16                       |
| Oil Cap/Gauge .....  | 17-1             | 17                       |
| Regulator Bracket Assembly .....   | 18-1             | 18                       |
| Cylinder Head Cover .....  | 19-1             | 19                       |
| Cylinder Head Components .....   | 20-1             | 20                       |
| Flywheel .....   | 21-1             | 21                       |
| Crankcase Assembly .....   | 22-1             | 22                       |
| Piston and Connecting Rod Assembly .....                                     | 23-1             | 23                       |
| Governor Assembly and Lube Oil Pump.....                                     | 24-1             | 24                       |
| Balancer Shaft Assembly, Camshaft Assembly, and<br>Crankshaft Assembly ..... | 25-1             | 25                       |
| Cylinder Block .....   | 26-1             | 26                       |
| Group 99 Bulk Materials List .....   | Bulk-1           | Bulk                     |
| <b>Section III. SPECIAL TOOL LIST</b>  |                  |                          |
| Special Tools List .....   | (Not Applicable) |                          |
| <b>Section IV. CROSS-REFERENCE INDEXES</b>                                   |                  |                          |
| National Stock Number Index .....  | I-1              |                          |
| Part Number Index .....  | I-2              |                          |
| Figure and Item Number Index .....   | I-9              |                          |

**Unit, DIRECT SUPPORT AND  
GENERAL SUPPORT MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST**

**Section I. INTRODUCTION**

**1. SCOPE.**

This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of unit, direct support, and general support maintenance of the pump assembly. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

**2. GENERAL.**

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

**a. Section II. - Repair Parts List.** A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence. Repair parts kits are listed separately in their own functional group within Section II. Repair parts for repairable special tools are also listed in this section. Items listed are shown on the associated illustration(s) or figure(s).

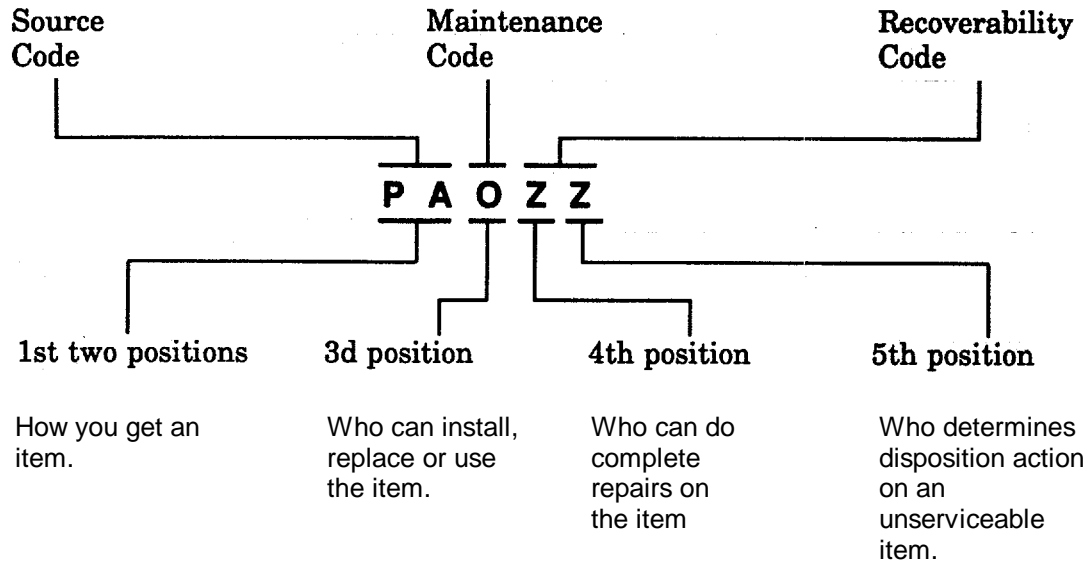
**b. Section III. Special Tools List.** A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

**c. Section IV. Cross-reference Index.** A list, in National item identification number (NIIN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance. The figure and item number index lists figure and item numbers in alphanumeric sequence and cross-references NSN, CAGEC and part numbers.

3. EXPLANATION OF COLUMNS (Sections II and III).

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

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



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

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

| Code                                     | Explanation   |
|--|---|
| PA<br>PB<br>PC**<br>PD<br>PE<br>PF<br>PG | Stocked Items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code.<br>** NOTE: Items coded PC are subject to deterioration. |
| KD<br>KF<br>KB                           | Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.        |

| <b>Code</b>   | <b>Explanation</b>   |
|---|--|
| <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; padding: 5px;">                     MO - (Made at UNIT/AVUM Level)<br/>                     MF - (Made at DS/AVUM Level)<br/>                     MH - (Made at GS Level)<br/>                     ML - (Made at Specialized Repair Activity (SRA))<br/>                     MD - (Made at Depot)                 </div> | Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION and USABLE ON CODE (UOC) column and listed on the Bulk Material group of the repair parts list in this RPSTL. If the item is authorized to you by the 3rd position 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. |

| <b>Code</b>  | <b>Explanation</b>  |
|--|---|
| <div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; padding: 5px;">                     AO - (Assembled by UNIT/AVUM Level)<br/>                     AF - (Assembled by DS/AVUM Level)<br/>                     AH - (Assembled by GS Level)<br/>                     AL - (Assembled by SRA)<br/>                     AD - (Assembled by Depot)<br/>                     higher level of maintenance.                 </div> | Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the 3rd position of the SMR code authorizes you to replace the item, but the source code indicates the items are assembled at a higher level, order the item from the |

| <b>Code</b> | <b>Explanation</b>  |
|-------------|---|
| XA --       | Do not requisition an "XA"-coded item. Order its next higher assembly. (Also, refer to the NOTE below.)                                     |
| XB --       | If an "XB" item is not available from salvage, order it using the CAGEC and part number given.  |
| XC --       | Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.                  |
| XD--        | Item is not stocked. Order an "XD"-coded item through normal supply channels using the 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 source coded "XA" or those aircraft support items restricted by requirements of AR 700-42.

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

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

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

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

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

**(3) Recoverability Code.** Recoverability codes are assigned to items to indicate the

disposition action on unserviceable items. The recoverability code is entered in the fifth position of the SMR Code as follows:

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

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

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

**NOTE**

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

e. **Description and Usable On Code (UOC) (Column (5))**. This column includes the following information:

- (1) The Federal item name and, when required, a minimum description to identify the item.
- (2) The physical security classification of the item is indicated by the parenthetical entry, e.g., Phy Sec C1 (C) - Confidential, Phy Sec C1 (S) -Secret, Phy Sec C1 (T) Top Secret).



(3) Items that are included in kits and sets are listed below the name of the kit or set.

(4) Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.

(5) Part numbers for bulk materials are referenced in this column in the line entry for the item to be manufactured/fabricated.

(6) When the item is not used with all serial numbers of the same model, the effective serial numbers are shown on the last line(s) of the description (before UOC).

(7) The usable on code, when applicable (see paragraph 5, Special information).

(8) In the Special Tools List section, the basis of issue (BOI) appears as the last line(s) in the entry for each special tool, special TMDE, and other special support equipment. When density of equipment's supported exceeds density spread indicated in the basis of issue, the total authorization is increased proportionately.

(9) The statement "END OF FIGURE" appears just below the last item description in Column 5 for a given figure in both Section II and Section III.

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

#### 4. EXPLANATION OF COLUMNS (Section IV)

##### a. **National Stock Number (NSN) Index.**

**(1) Stock Number column.** This column lists the NSN by National item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN. For example, if the NSN is 5305-01-674-1467 then the set of last nine digits (01-674-1467) is the NIIN. When using this column to locate an NIIN item, ignore the first 4 digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

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

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

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

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

**(2) Part Number column.** Indicates the primary number used by the manufacturer which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

**(3) Stock Number column.** This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and CAGEC columns to the left.

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

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

**c. Figure and Item Number Index.**

**(1) Fig. column.** This column lists the number of the figure where the item is identified/located in Section H and III.

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

**(3) Stock Number column.** This column lists the NSN for the item.

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

**(5) Part Number column.** Indicates the primary number used by the manufacturer which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

**5. SPECIAL INFORMATION.** Use the following subparagraphs as applicable:

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

| <u>Code</u> | <u>Used On</u> |
|-------------|----------------|
| FAF         | 4M SDQ 2000    |

**b. Fabrication Instructions.** Bulk materials required to manufacture items are listed in the Bulk Material Functional Group of this RPSTL. Part numbers for bulk materials are also referenced in the description column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source codes to be manufactured or fabricated are found in TM10-4320-316-14.

c. **Assembly Instructions.** Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in TM10-4320-316-14. Items that make up the assembly are listed immediately following the assembly item entry or reference is made to an applicable figure.

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

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

f. **Associated Publications.** The publication(s) listed below pertain to Pump Assembly and its components:

| Publication      | Short Title   |
|------------------|---|
| TM10-4320-316-14 | Operator's and Unit, Direct Support, and General Support Maintenance Manual |

**6. HOW TO LOCATE SPARE PARTS.**

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

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

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

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

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

(1) **First.** Using the National Stock Number or the Part Number Index, find the pertinent National Stock Number or Part Number. The NSN index is in National Item identification Number (NIIN) sequence (see 4.1(1)). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see 4.b). Both indexes cross-reference you to the illustration/figure and item number of the item you are looking for.

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

**7. ABBREVIATIONS.** All abbreviations used in this manual are listed in MIL-STD-12.

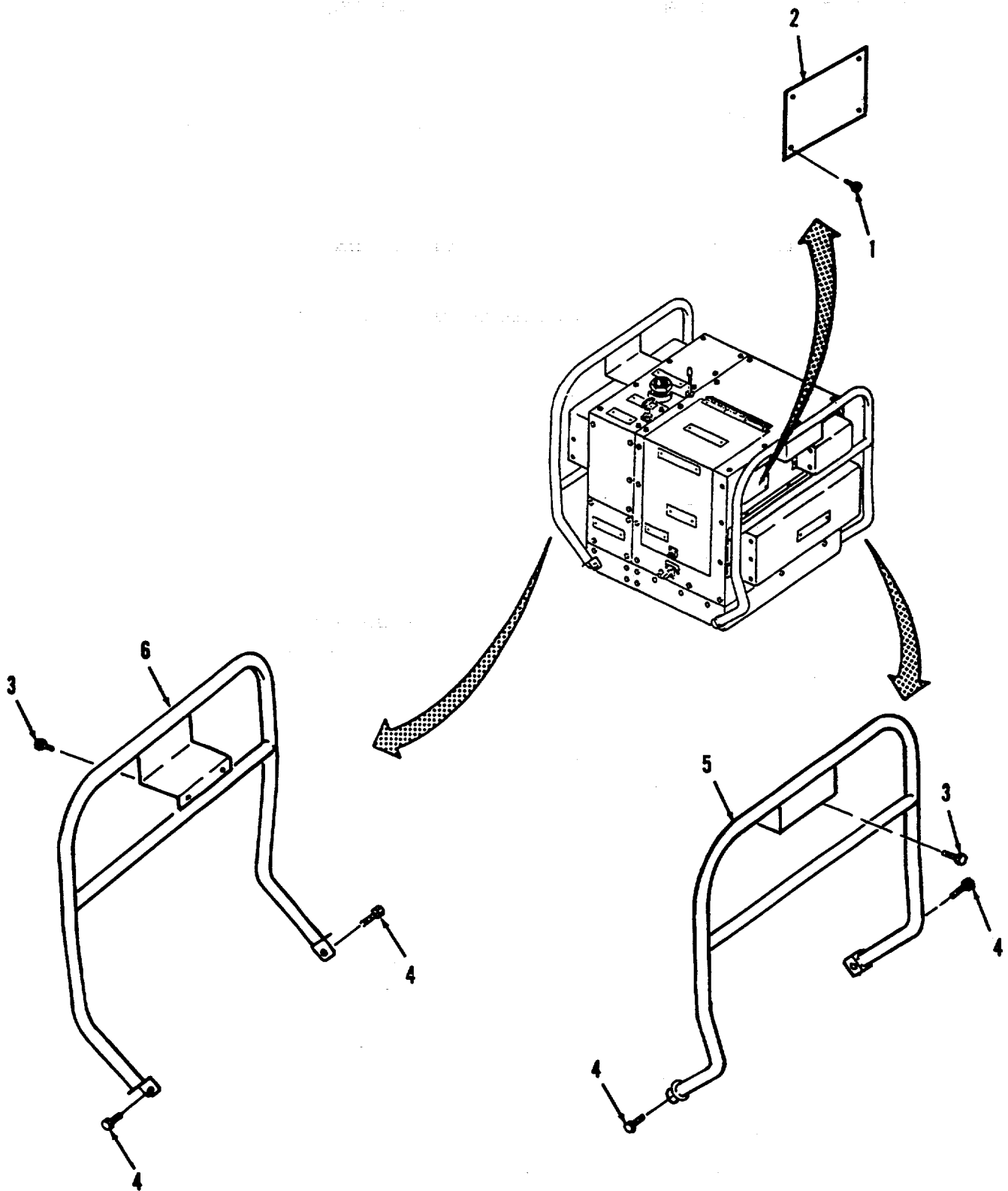


Figure 1. Enclosure Assembly (Sheet 1 of 4)

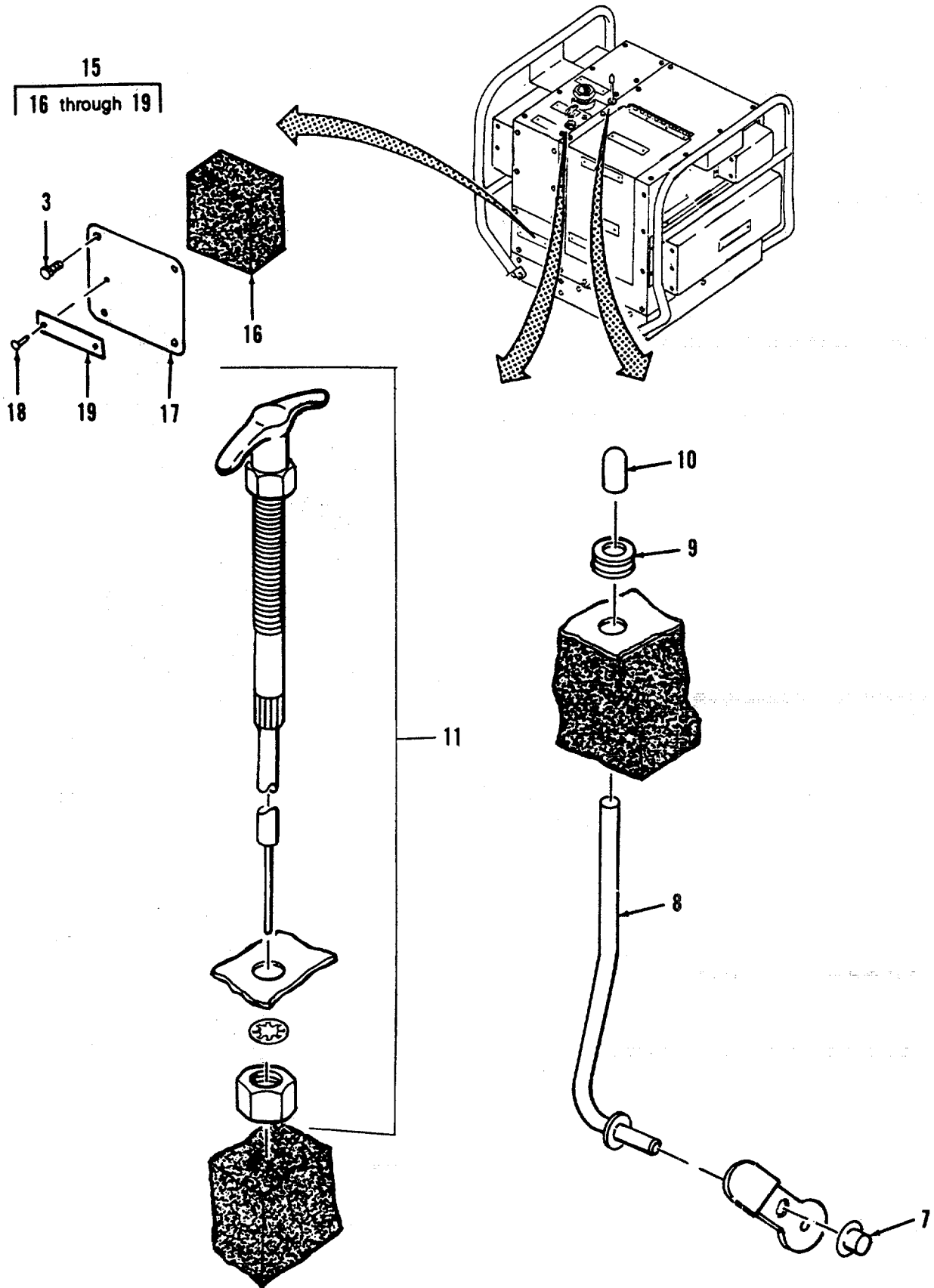


Figure 1. Enclosure Assembly (Sheet 2 of 4)

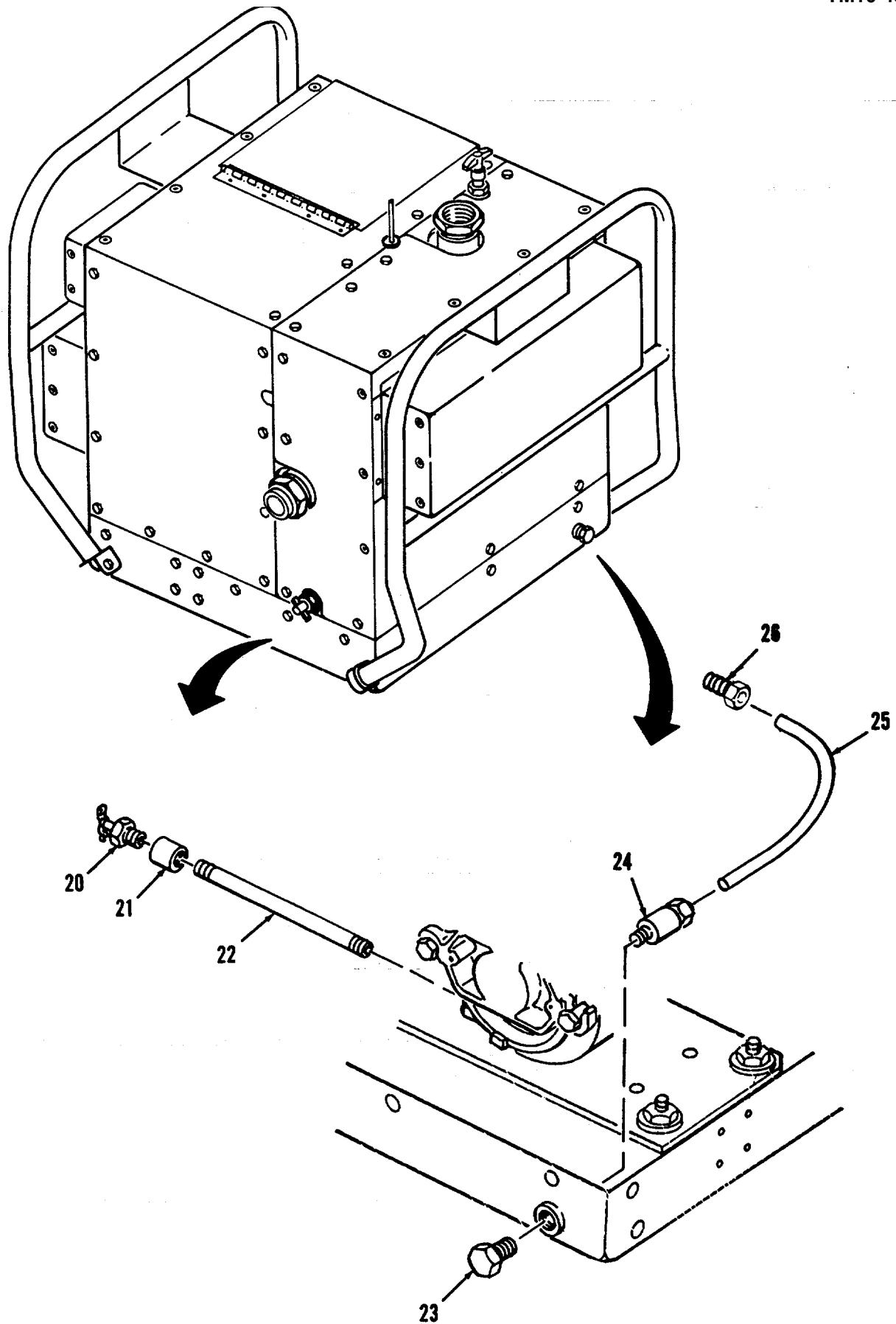


Figure 1. Enclosure Assembly (Sheet 3 of 4)

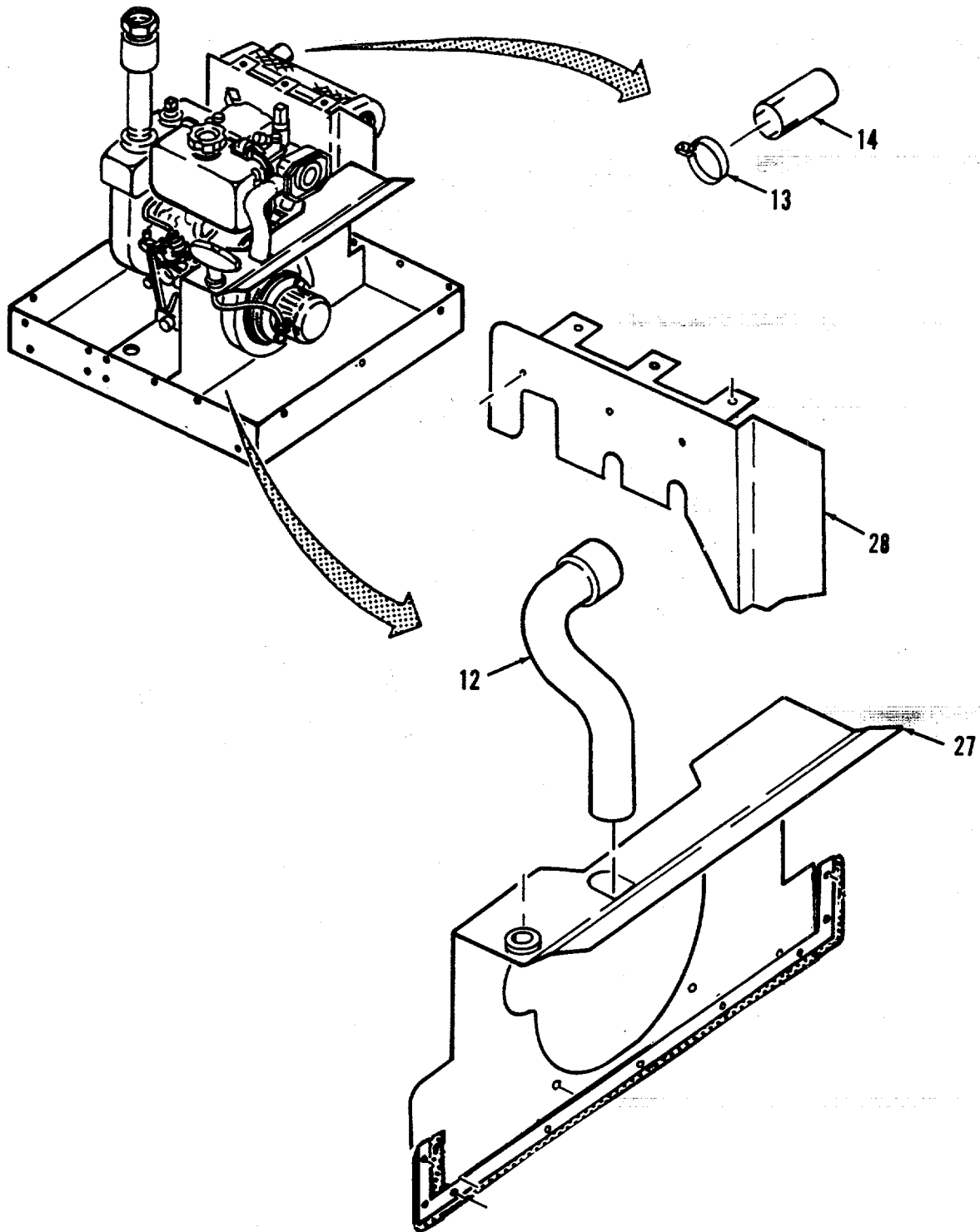


Figure 1. Enclosure Assembly (Sheet 4 of 4)

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO           | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC) | (6)<br>QTY |
|-----------------------------|--------------------|--------------|-----------------------|---|------------|
| GROUP 01 ENCLOSURE ASSEMBLY |                    |              |                       |   |            |
| FIG 1. ENCLOSURE ASSEMBLY   |                    |              |                       |   |            |
| 1                           | PAOZZ              | 81349        | M24243/1D402          | RIVET, BLIND, .....                         | 4          |
| 2                           | PAOZZ              | 97403        | 13229E6784            | PLATE, IDENT .....                          | 1          |
| 3                           | PAOZZ              | 97403        | 13229E9714            | SCREW, MACHINE, HEX .....                   | 8          |
| 4                           | PAOZZ              | 80204        | B1821BH038C075N       | SCREW, CAP, HEXAGON H .....                 | 4          |
| 5                           | PAOZZ              | 97403        | 13229E9682            | FRAME, ROLL-OVER, OU .....                  | 1          |
| 6                           | PAOZZ              | 97403        | 13229E9681            | FRAME, ROLL-OVER, IN .....                  | 1          |
| 7                           | PAOZZ              | 96906        | 13229E9713            | NUT, PUSH-ON, .....                         | 1          |
| 8                           | PAOZZ              | 97403        | 13229E9688            | HANDLE, COMPRESSION .....                   | 1          |
| 9                           | PAOZZ              | 96906        | MS35489-38            | GROMMET, NONMETALLIC .....                  | 1          |
| 10                          | PAOZZ              | 97403        | 13229E9694            | CAP, MOLDED.....                            | 1          |
| 11                          | PAOZZ              | 97403        | 13229E9691            | CONTROL ASSEMBLY .....                      | 1          |
| 12                          | PAOZZ              | 97403        | 13229E9712            | HOSE, EXTRUDED, .....                       | 1          |
| 13                          | PAOZZ              | 96906        | MS35842-11            | CLAMP, HOSE .....                           | 1          |
| 14                          | PAOZZ              | 97403        | 13229E9693            | EXTENSION, EXHAUST .....                    | 1          |
| 15                          | XBOOO              | 97403        | 13229E9689            | COVER, ACCESS .....                         | 1          |
| 16                          | MOOZZ              | 97403        | 13229E9689/2          | PLASTIC FOAM MAKE FROM PLASTIC .....        | 1          |
|                             |                    |              |                       | FOAM, P/N 13229E9692-3 .....                |            |
| 17                          | XBOZZ              | 97403        | 13229E9689/1          | SHEET .....                                 | 1          |
| 18                          | PAOZZ              | 81349        | M24243/1D402          | RIVET, BLIND .....                          | 2          |
| 19                          | PAOZZ              | 97403        | 13229E9699            | PLATE, INFORMATION .....                    | 1          |
| 20                          | PAOZZ              | 96906        | MS35782-6             | COCK, DRAIN .....                           | 1          |
| 21                          | PAOZZ              | 96906        | MS39233-3B            | COUPLING, PIPE .....                        | 1          |
| 22                          | PAOZZ              | 96906        | MS51953-64            | NIPPLE, PIPE .....                          | 1          |
| 23                          | PAOZZ              | 81348        | WWP471AASBCC          | PLUG, PIPE .....                            | 1          |
| 24                          | PAOZZ              | 97403        | 13229E6790-2          | FITTING, HOSE .....                         | 1          |
| 25                          | PAOZZ              | 97403        | 13229E6786-2          | HOSE, LOW PRESSURE.....                     | 1          |
| 26                          | PAOZZ              | 97403        | 13229E6792-3          | HOSE, ASSY NONMETALL .....                  | 1          |
| 27                          | XBOZZ              | 97403        | 13229E9686            | BAFFLE, INTERNAL .....                      | 1          |
| 28                          | XBOZZ              | 97403        | 13229E9687            | BAFFLE AY, MUFFLER .....                    | 1          |

END OF FIGURE



2  
3 through 35

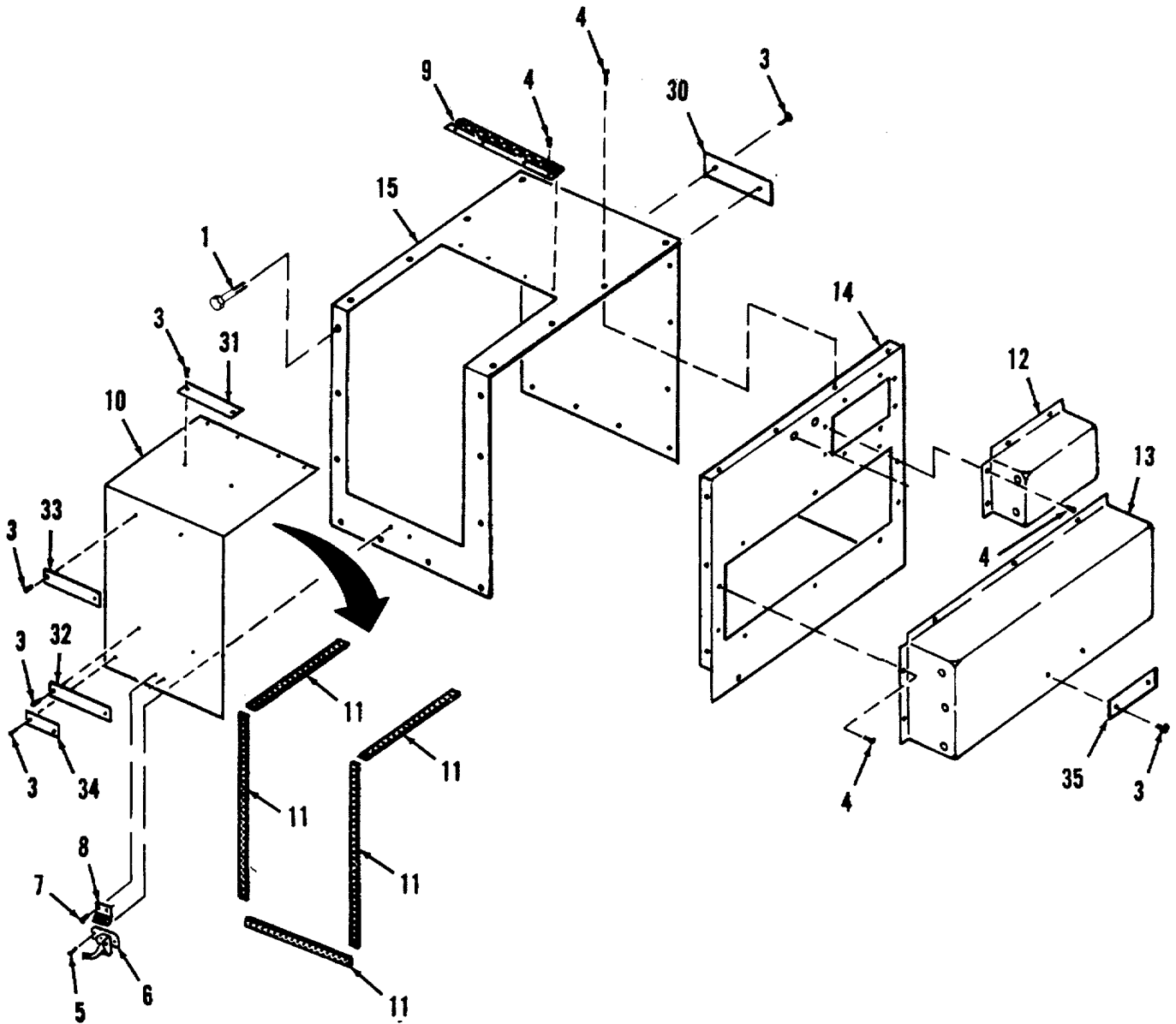


Figure 2. Enclosure Assembly Inlet Side (Sheet 1 of 3)

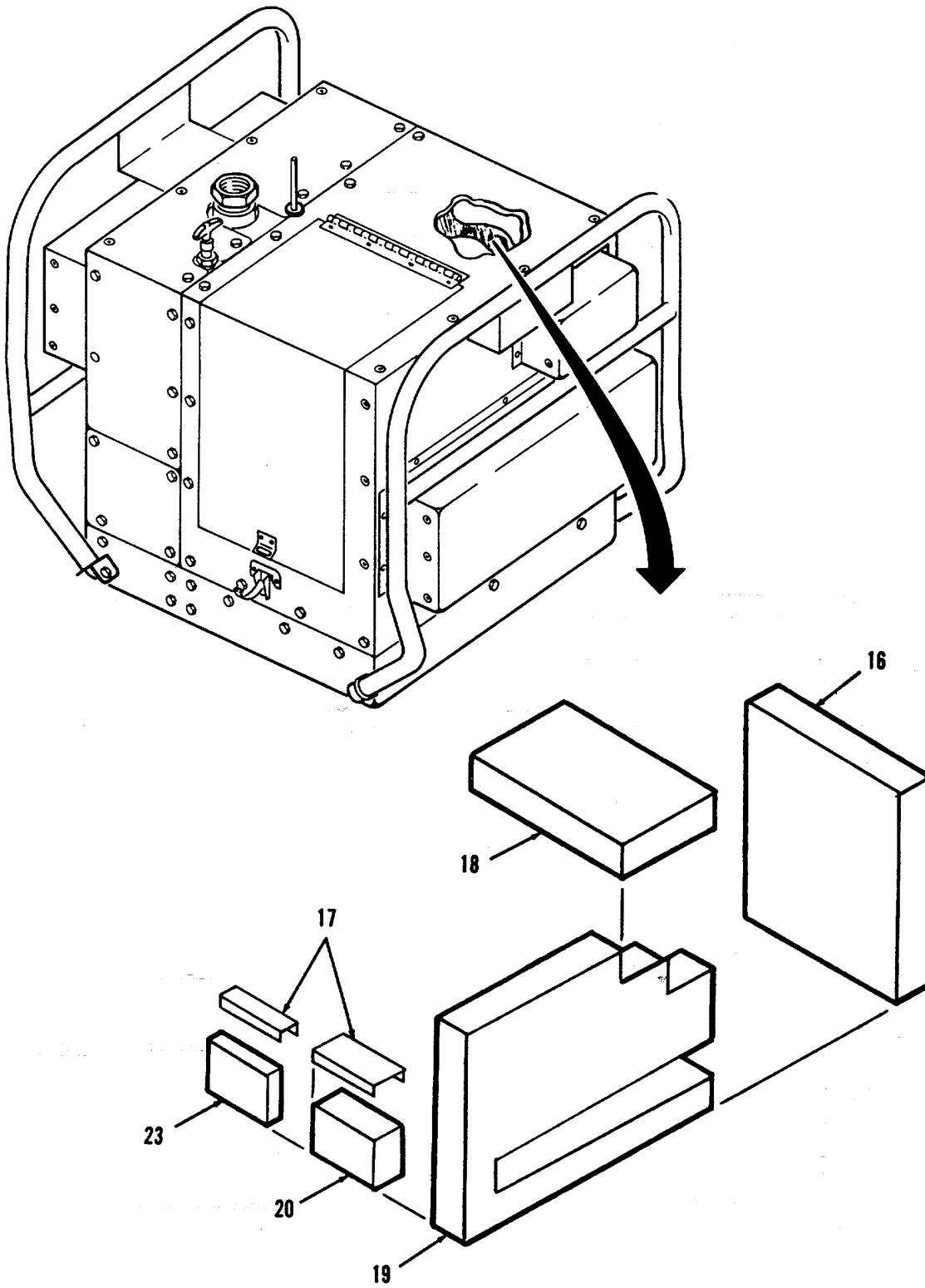


Figure 2. Enclosure Assembly Inlet Side (Sheet 2 of 3)

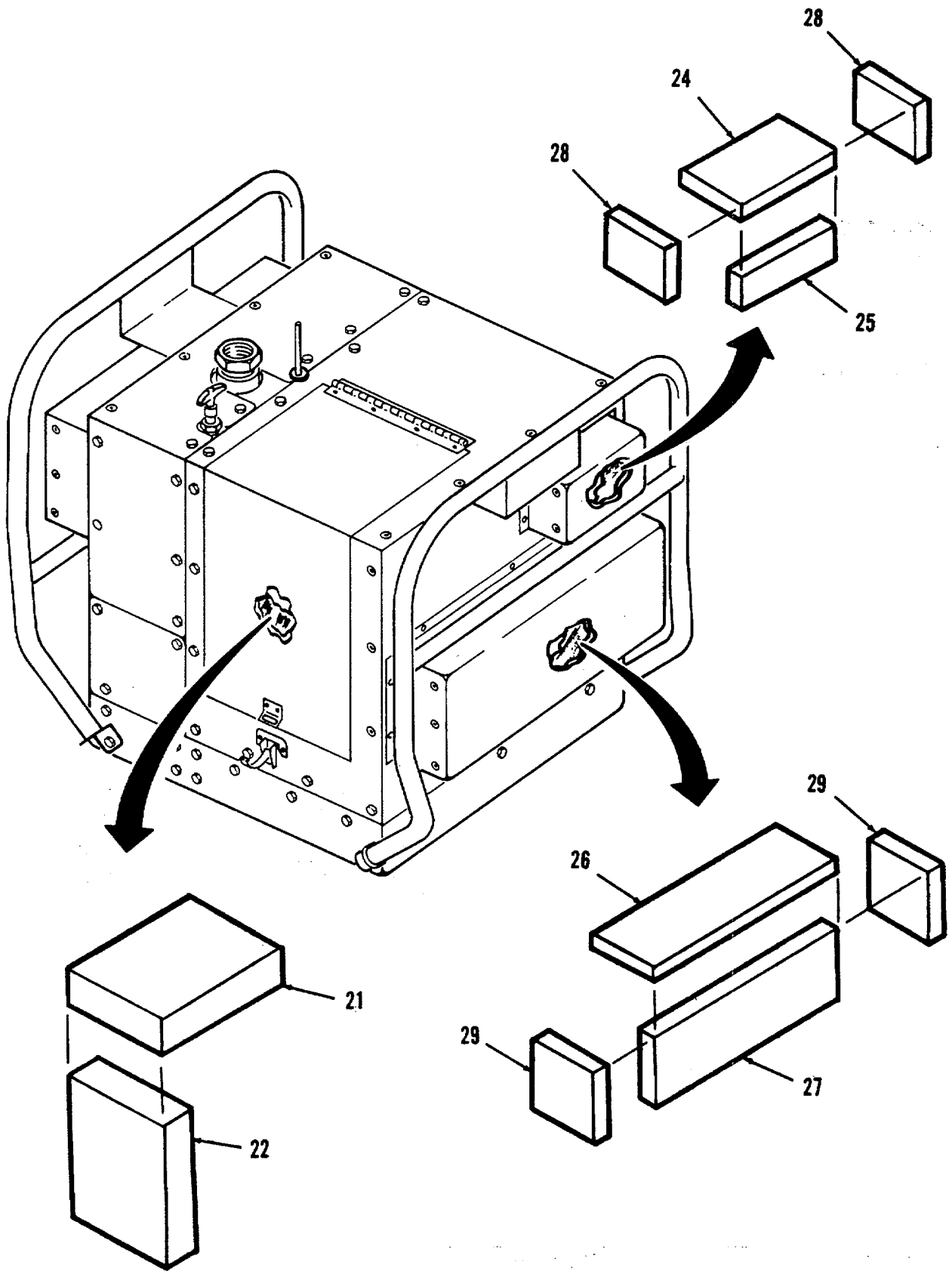


Figure 2. Enclosure Assembly Inlet Side (Sheet 3 of 3)

SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO                        | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC) | (6)<br>QTY |
|--|--------------------|--------------|-----------------------|---|------------|
| GROUP 01 ENCLOSURE ASSEMBLY              |                    |              |                       |   |            |
| FIGURE 2. ENCLOSURE ASSEMBLY, INLET SIDE |                    |              |                       |   |            |
| 1  | PAOZZ              | 96906        | 13229E9714            | SCREW MACHINE HEX .....                     | 49         |
| 2  | XBOOO              | 97403        | 13229E9679            | ENCLOSURE ASSY IN .....                     | 1          |
| 3  | PAOZZ              | 81349        | M24243/1D402          | . RIVET BLIND .....                         | 22         |
| 4  | PAOZZ              | 81349        | M24243/1D602          | . RIVET BLIND .....                         | 31         |
| 5  | PAOZZ              | 81349        | M24243/1D604          | . RIVET BLIND .....                         | 2          |
| 6  | PAOZZ              | 97403        | 13229E6787            | . CATCH CLAMPING .....                      | 1          |
| 7  | PAOZZ              | 81349        | M24243/1D403          | . RIVET BLIND .....                         | 2          |
| 8  | PAOZZ              | 97403        | 13229E6788            | . STRIKE CATCH .....                        | 1          |
| 9  | PAOZZ              | 96906        | MS35825-10OE          | . HINGE, BUTT .....                         | 1          |
| 10                                       | XBOZZ              | 97403        | 13229E9679/3          | . SHEET .....                               | 1          |
| 11                                       | PAOZZ              | 97403        | 13229E9710            | . NEOPRENE FOAM .....                       | V          |
| 12                                       | XBOZZ              | 97403        | 13229E9679/5          | . SHEET .....                               | 1          |
| 13                                       | XBOZZ              | 97403        | 13229E9679/4          | . SHEET .....                               | 1          |
| 14                                       | XBOZZ              | 97403        | 13229E9679/1          | . SHEET .....                               | 1          |
| 15                                       | XBOZZ              | 97403        | 13229E9679/2          | . SHEET .....                               | 1          |
| 16                                       | MOOZZ              | 97403        | 13229E9679/17         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 1          |
|  |                    |              |                       | FOAM P/N 13229E9692-3 .....                 |            |
| 17                                       | PAOZZ              | 97403        | 13229E9711            | . TAPE, POLY FILM .....                     | 10         |
| 18                                       | MOOZZ              | 97403        | 13229E9679/15         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 1          |
|  |                    |              |                       | FOAMP/N13229E9692-3 .....                   |            |
| 19                                       | MOOZZ              | 97403        | 13229E9679/16         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 1          |
|  |                    |              |                       | FOAMP/N13229E9692-3 .....                   |            |
| 20                                       | MOOZZ              | 97403        | 13229E9679/12         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 1          |
|  |                    |              |                       | FOAMP/N13229E9692-3 .....                   |            |
| 21                                       | MOOZZ              | 97403        | 13229E9679/14         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 1          |
|  |                    |              |                       | FOAMP/N13229E9692-3 .....                   |            |
| 22                                       | MOOZZ              | 97403        | 13229E9679/13         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 1          |
|  |                    |              |                       | FOAMP/N13229E9692-3 .....                   |            |
| 23                                       | MOOZZ              | 97403        | 13229E9679/18         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 1          |
|  |                    |              |                       | FOAMP/N13229E9692-2 .....                   |            |
| 24                                       | MOOZZ              | 97403        | 13229E9679/23         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 1          |
|  |                    |              |                       | FOAMP/N13229E9692-1 .....                   |            |
| 25                                       | MOOZZ              | 97403        | 13229E9679/22         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 1          |
|  |                    |              |                       | FOAMP/N13229E9692-1 .....                   |            |
| 26                                       | MOOZZ              | 97403        | 13229E9679/21         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 1          |
|  |                    |              |                       | FOAMP/N13229E9692-1 .....                   |            |
| 27                                       | MOOZZ              | 97403        | 13229E9679/20         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 1          |
|  |                    |              |                       | FOAMP/N13229E9692-1 .....                   |            |
| 28                                       | MOOZZ              | 97403        | 13229E9679/24         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 2          |
|  |                    |              |                       | FOAM P/N 13229E9692-1 .....                 |            |
| 29                                       | MOOZZ              | 97403        | 13229E9679/25         | . PLASTIC FOAM MAKE FROM PLASTIC .....      | 2          |
|  |                    |              |                       | FOAM P/N 13229E9692-1 .....                 |            |
| 30                                       | PAOZZ              | 97403        | 13229E9707            | . PLATE, INFORMATION .....                  | 1          |
| 31                                       | PAOZZ              | 97403        | 13229E9702            | . PLATE, INFORMATION .....                  | 1          |
| 32                                       | PAOZZ              | 97403        | 13229E9708            | . PLATE, INFORMATION .....                  |            |
| 33                                       | PAOZZ              | 97403        | 13229E9703            | . PLATE, INFORMATION .....                  | 1          |
| 34                                       | PAOZZ              | 97403        | 13229E9706            | . PLATE, INFORMATION .....                  | 1          |

SECTION II TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC) | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 35                | PAOZZ              | 97403        | 13229E9709            | . PLATE, INFORMATION .....                  | 1          |

END OF FIGURE

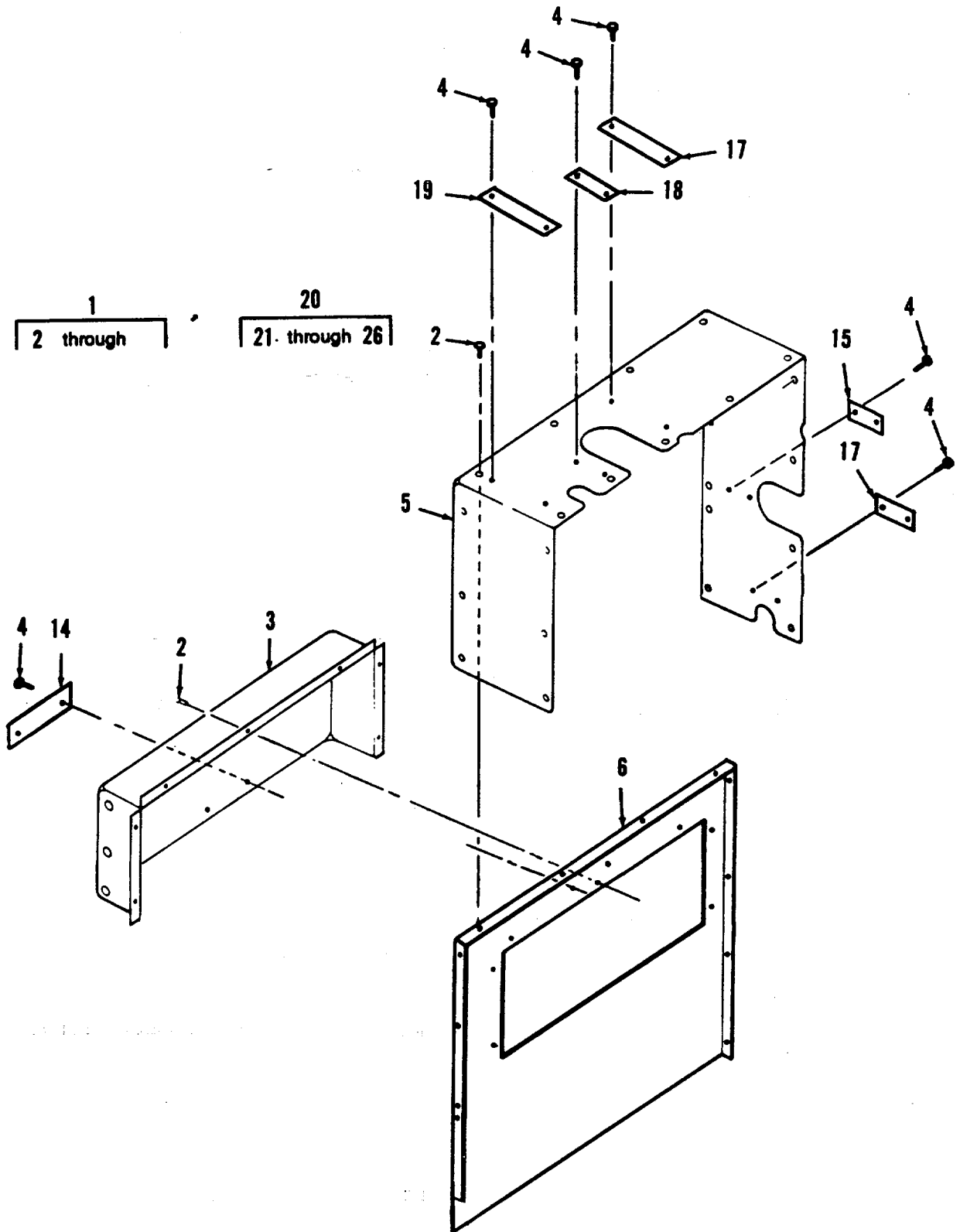


Figure 3. Enclosure Assembly Outlet Side (Sheet 1 of 2)

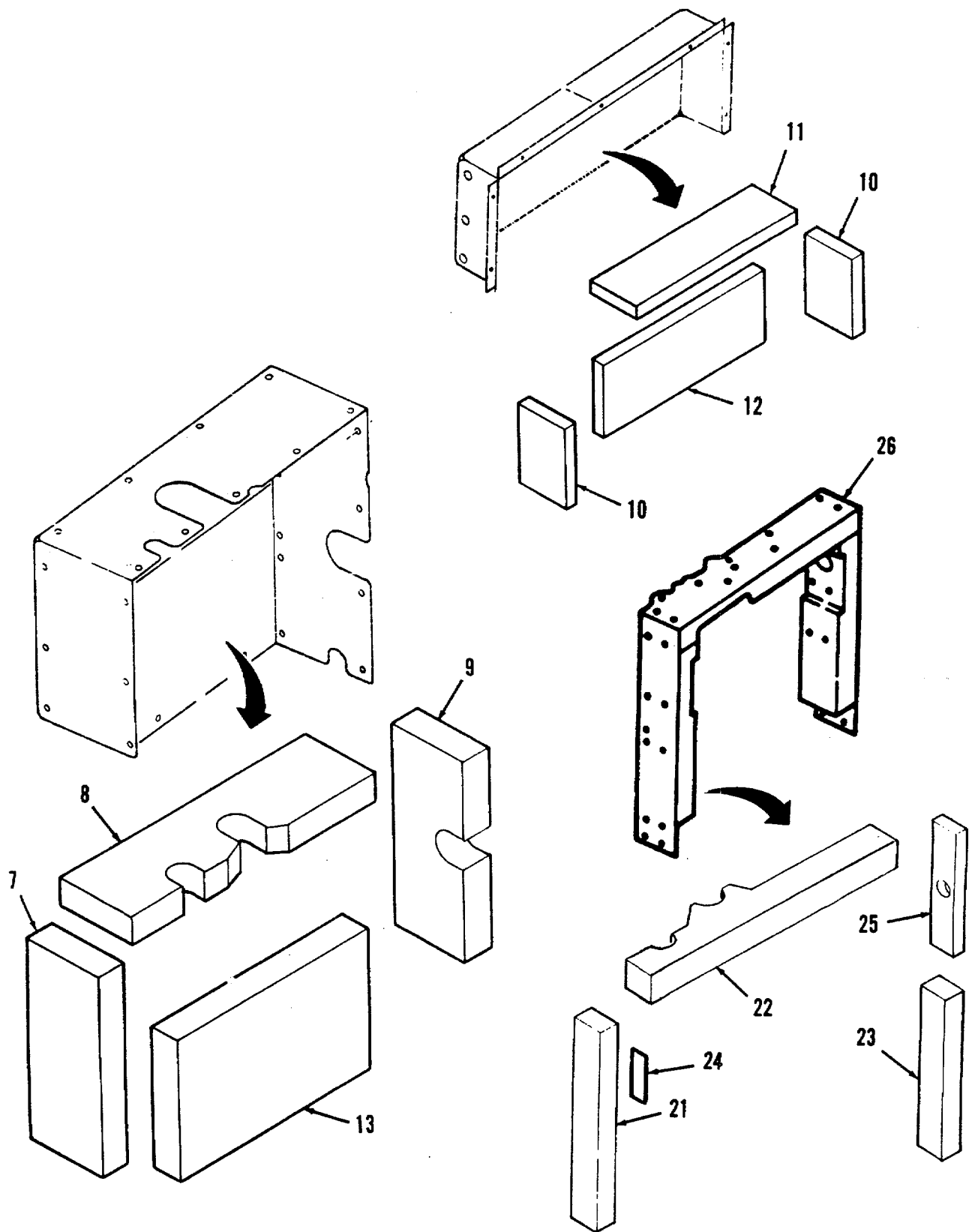


Figure 3. Enclosure Assembly Outlet Side (Sheet 2 of 2)

| SECTION II |          | TM10-4320-316-24P |             |                                      |     |  |
|------------|----------|-------------------|-------------|--------------------------------------|-----|--|
| (1)        | (2)      | (3)               | (4)         | (5)                                  | (6) |  |
| ITEM NO    | SMR CODE | CAGEC             | PART NUMBER | DESCRIPTION AND USABLE ON CODES(UOC) | QTY |  |

GROUP 01 ENCLOSURE ASSEMBLY

FIG. 3. ENCLOSURE ASSEMBLY, OUTLET SIDE

|    |       |       |               |  |    |
|----|-------|-------|---------------|--|----|
| 1  | XBOOO | 97403 | 13229E9680    | ENCLOSURE ASSY, OUT.....                 | 1  |
| 2  | PAOZZ | 81349 | M24243/1D402  | .RIVET, BLIND .....                      | 17 |
| 3  | XBOZZ | 97403 | 13229E9680/3  | .SHEET .....                             | 1  |
| 4  | PAOZZ | 81349 | M24243/1D602  | .RIVET, BLIND .....                      | 18 |
| 5  | XBOZZ | 97403 | 13229E9680/1  | .SHEET .....                             | 1  |
| 6  | XBOZZ | 97403 | 13229E9680/2  | .SHEET .....                             | 1  |
| 7  | MOOZZ | 97403 | 13229E9680/19 | .PLASTIC FOAM MAKE FROM PLASTIC .....    | 1  |
|    |       |       |               | FOAM P/N 13229E9692-3 .....              |    |
| 8  | MOOZZ | 97403 | 13229E9680/8  | .PLASTIC FOAM MAKE FROM PLASTIC .....    | 1  |
|    |       |       |               | FOAM P/N 13229E9692-3 .....              |    |
| 9  | MOOZZ | 97403 | 13229E9680/9  | .PLASTIC FOAM MAKE FROM PLASTIC .....    | 1  |
|    |       |       |               | FOAM P/N 13229E9692-3 .....              |    |
| 10 | MOOZZ | 97403 | 13229E9680/10 | .PLASTIC FOAM MAKE FROM PLASTIC .....    | 2  |
|    |       |       |               | FOAM P/N13229E9692-1 .....               |    |
| 11 | MOOZZ | 97403 | 13229E9680/12 | .PLASTIC FOAM MAKE FROM PLASTIC .....    | 1  |
|    |       |       |               | FOAMP/N13229E9692-1 .....                |    |
| 12 | MOOZZ | 97403 | 13229E9680/11 | .PLASTIC FOAM MAKE FROM PLASTIC .....    | 1  |
|    |       |       |               | FOAM P/N13229E9692-1 .....               |    |
| 13 | MOOZZ | 97403 | 13229E9680/7  | .PLASTIC FOAM MAKE FROM PLASTIC .....    | 1  |
|    |       |       |               | FOAM P/N13229E9692-3 .....               |    |
| 14 | PAOZZ | 97403 | 13229E9707    | .PLATE, INFORMATION .....                | 1  |
| 15 | PAOZZ | 97403 | 13229E9700    | .PLATE, INFORMATION .....                | 1  |
| 16 | PAOZZ | 97403 | 13229E9697    | .PLATE, INFORMATION .....                | 1  |
| 17 | PAOZZ | 97403 | 13229E9701    | .PLATE, INFORMATION .....                | 1  |
| 18 | PAOZZ | 97403 | 13229E9705    | .PLATE, INFORMATION .....                | 1  |
| 19 | PAOZZ | 97403 | 13229E9704    | .PLATE, INFORMATION .....                | 1  |
| 20 | XBOOO | 97403 | 13229E9684    | .BRACKET, FRAME .....                    | 1  |
| 21 | MOOZZ | 97403 | 13229E9684/5  | . . PLASTIC FOAM MAKE FROM PLASTIC ..... | 1  |
|    |       |       |               | FOAM P/N13229E9692-3 .....               |    |
| 22 | MOOZZ | 97403 | 13229E9684/3  | . . PLASTIC FOAM MAKE FROM PLASTIC ..... | 1  |
|    |       |       |               | FOAM P/N13229E9692-3 .....               |    |
| 23 | MOOZZ | 97403 | 13229E9684/4  | . . PLASTIC FOAM MAKE FROM PLASTIC ..... | 1  |
|    |       |       |               | FOAM P/N13229E9692-3 .....               |    |
| 24 | PAOZZ | 97403 | 13229E9711    | . . TAPE, POLYESTER FILM.....            | 2  |
| 25 | MOOZZ | 97403 | 13229E9684/6  | . . PLASTICFOAM MAKE FROM PLASTIC .....  | 1  |
|    |       |       |               | FOAM P/N13229E9692-2 .....               |    |
| 26 | XBOZZ | 97403 | 13229E9684/1  | . . SHEET .....                          | 1  |

END OF FIGURE



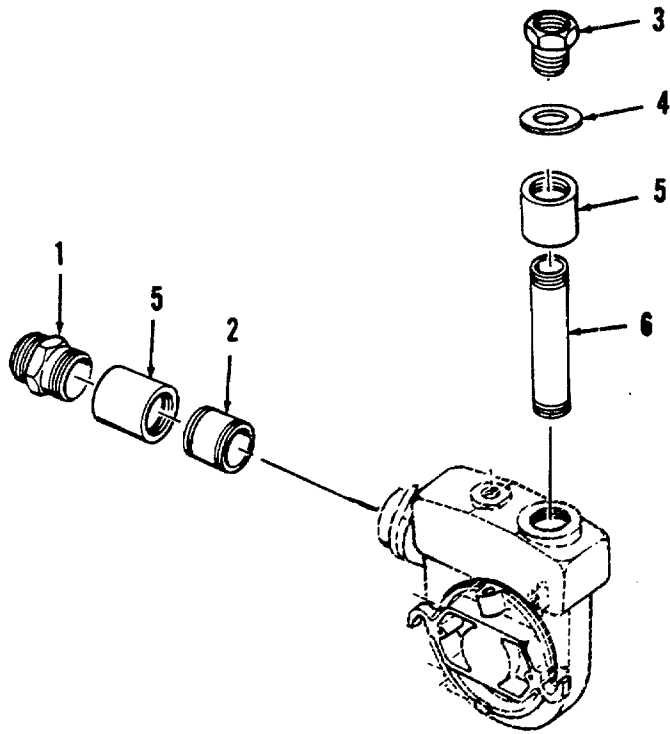


Figure 4. Pump Inlet/Outlet Piping

SECTION II

TM10-4320-316-24P

|      |      |       |        |                                      |     |
|------|------|-------|--------|--------------------------------------|-----|
| (1)  | (2)  | (3)   | (4)    | (5)                                  | (6) |
| ITEM | SMR  |       | PART   |                                      |     |
| NO   | CODE | CAGEC | NUMBER | DESCRIPTION AND USABLE ON CODES(UOC) | QTY |

GROUP 01 ENCLOSURE ASSEMBLY

FIGURE 4. PUMP INLET/OUTLET PIPING

|   |       |       |             |                     |   |
|---|-------|-------|-------------|---------------------|---|
| 1 | PAOZZ | 97403 | 13229E9717  | ADAPTER, HOSE ..... | 1 |
| 2 | PAOZZ | 96906 | MS51953-174 | NIPPLE, PIPE .....  | 1 |
| 3 | PAOZZ | 97403 | 13229E9716  | ADAPTER, HOSE ..... | 1 |
| 4 | PAOZZ | 97403 | 13230E5325  | GASKET, RUBBER..... | 1 |
| 5 | PAOZZ | 96906 | MS39233-8B  | COUPLING, PIPE..... | 2 |
| 6 | PAOZZ | 96906 | MS51953-179 | NIPPLE, PIPE .....  | 1 |

END OF FIGURE

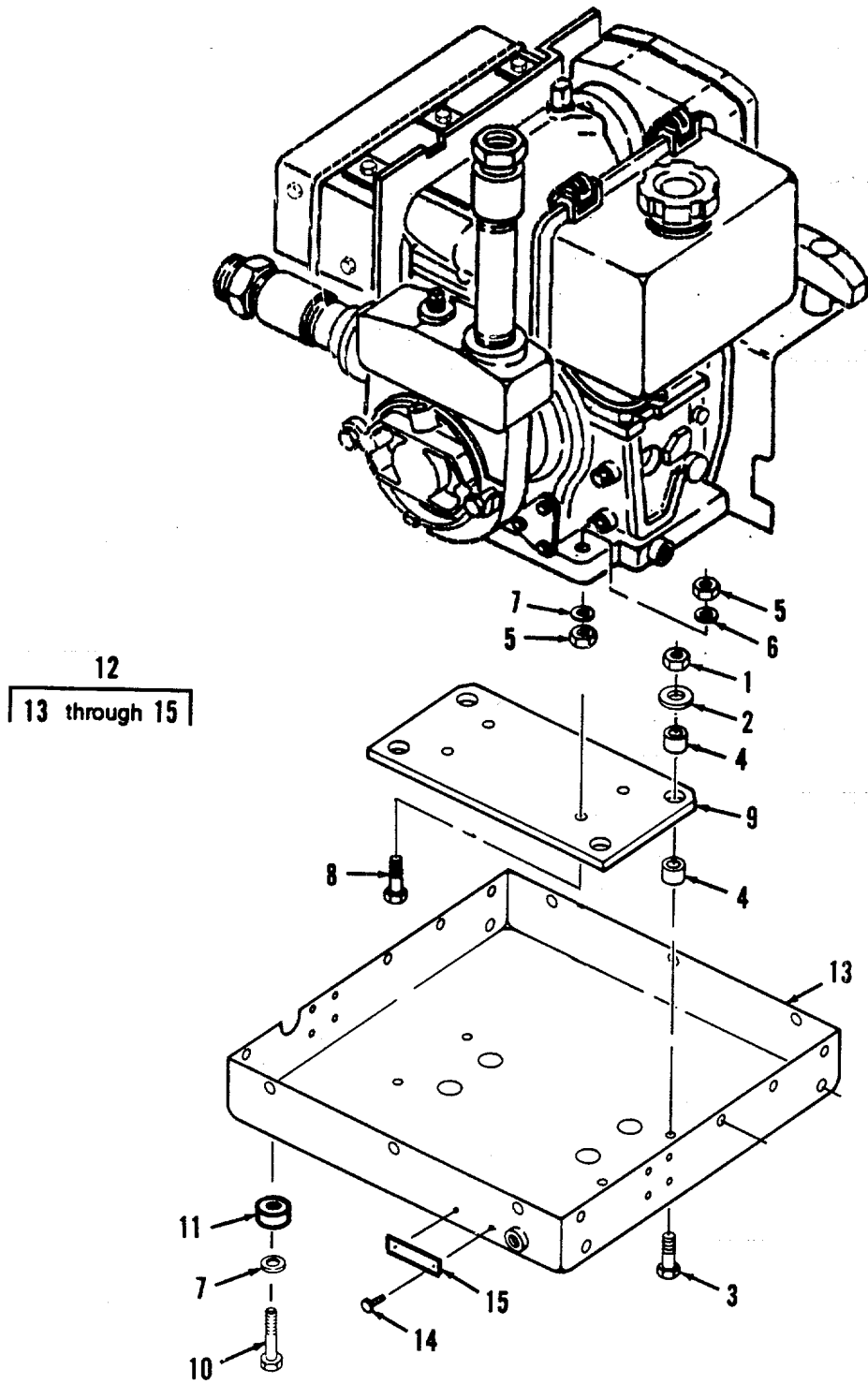


Figure 5. Mounting Plate and Bottom Pan Frame

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO                          | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC) | (6)<br>QTY |
|--|--------------------|--------------|-----------------------|---|------------|
| GROUP 01 ENCLOSURE ASSEMBLY                |                    |              |                       |   |            |
| FIG 5. MOUNTING PLATE AND BOTTOM PAN FRAME |                    |              |                       |   |            |
| 1  | PAOZZ              | 96906        | MS17829Z6C            | NUT, HEX, .....                             | 4          |
| 2  | PAOZZ              | 97403        | 13229E9696            | WASHER, FLAT .....                          | 4          |
| 3  | PAOZZ              | 80204        | B1821BHO38CZOOM       | SCREW, CAP, HEX HD .....                    | 4          |
| 4  | PAOZZ              | 97403        | 13200E8819            | MOUNT, RESILIENT .....                      | 8          |
| 5  | PAFZZ              | 96906        | MS51967-8             | NUT, PLAIN, HEX .....                       | 8          |
| 6  | PAFZZ              | 96906        | MS27183-14            | WASHER, FLAT .....                          | 4          |
| 7  | PAFZZ              | 96906        | MS27183-15            | WASHER FLAT.....                            | 8          |
| 8  | PAFZZ              | 97403        | 13229E9715            | BOLT, HEX HD .....                          | 4          |
| 9  | XBFZZ              | 97403        | 13229E9685            | PLATE, MOUNTING.....                        | 1          |
| 10   | PAOZZ              | 80204        | B1821BH038C100L       | BOLT, MACHINE .....                         | 4          |
| 11   | PAOZZ              | 97403        | 13229E9690            | BUMPER, MOLDED.....                         | 4          |
| 12   | XBOOO              | 97403        | 13229E9683            | FRAME, BOTTOM PAN .....                     | 1          |
| 13   | XBOZZ              | 97403        | 13229E9683/1          | . SHEET .....                               | 1          |
| 14   | PAOZZ              | 81349        | M24243/1D604          | . RIVET, BLIND .....                        | 2          |
| 15   | PAOZZ              | 97403        | 13229E9698            | . PLATE, INFORMATION .....                  | 1          |

END OF FIGURE

1  
2 through 5

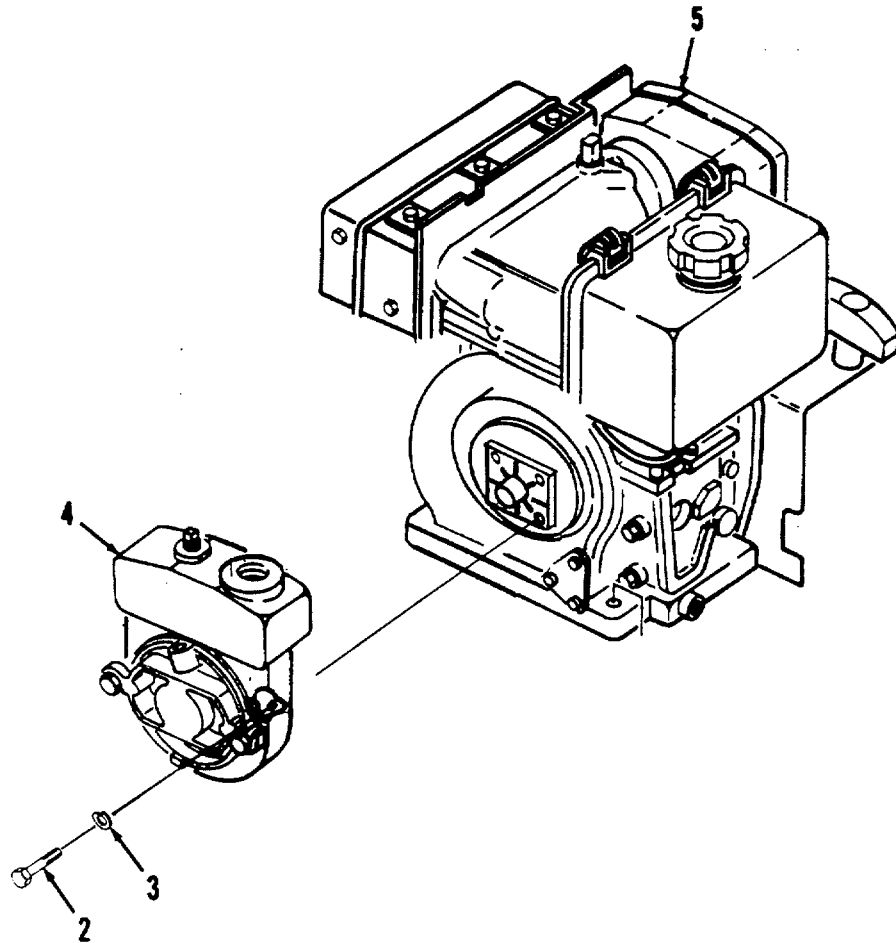


Figure 6. Pump and Engine Assembly.

SECTION II TM10-4320-316-24P

|      |      |       |        |                                      |     |
|------|------|-------|--------|--------------------------------------|-----|
| (1)  | (2)  | (3)   | (4)    | (5)                                  | (6) |
| ITEM | SMR  |       | PART   |                                      |     |
| NO   | CODE | CAGEC | NUMBER | DESCRIPTION AND USABLE ON CODES(UOC) | QTY |

GROUP 01 ENCLOSURE ASSEMBLY

FIG 6. PUMP AND ENGINE ASSEMBLY

|   |       |       |               |                             |   |
|---|-------|-------|---------------|-----------------------------|---|
| 1 | PDFHH | 97403 | 13229E9695    | PUMP, AND, ENGINE, AY ..... | 1 |
| 2 | PAOZZ | 80204 | B1867BD080250 | . SCREW, CAP, METRIC .....  | 3 |
| 3 | PAOZZ | 96906 | MS35338-45    | . WASHER, LOCK .....        | 3 |
| 4 | PAOOO | 97403 | 13230E5324    | . PUMP, CENTRIFUGAL .....   | 1 |
| 5 | PAFFF | OAK42 | L40AE-D-SPI   | . ENGINE, DIESEL .....      |   |

END OF FIGURE

4

5 through 9

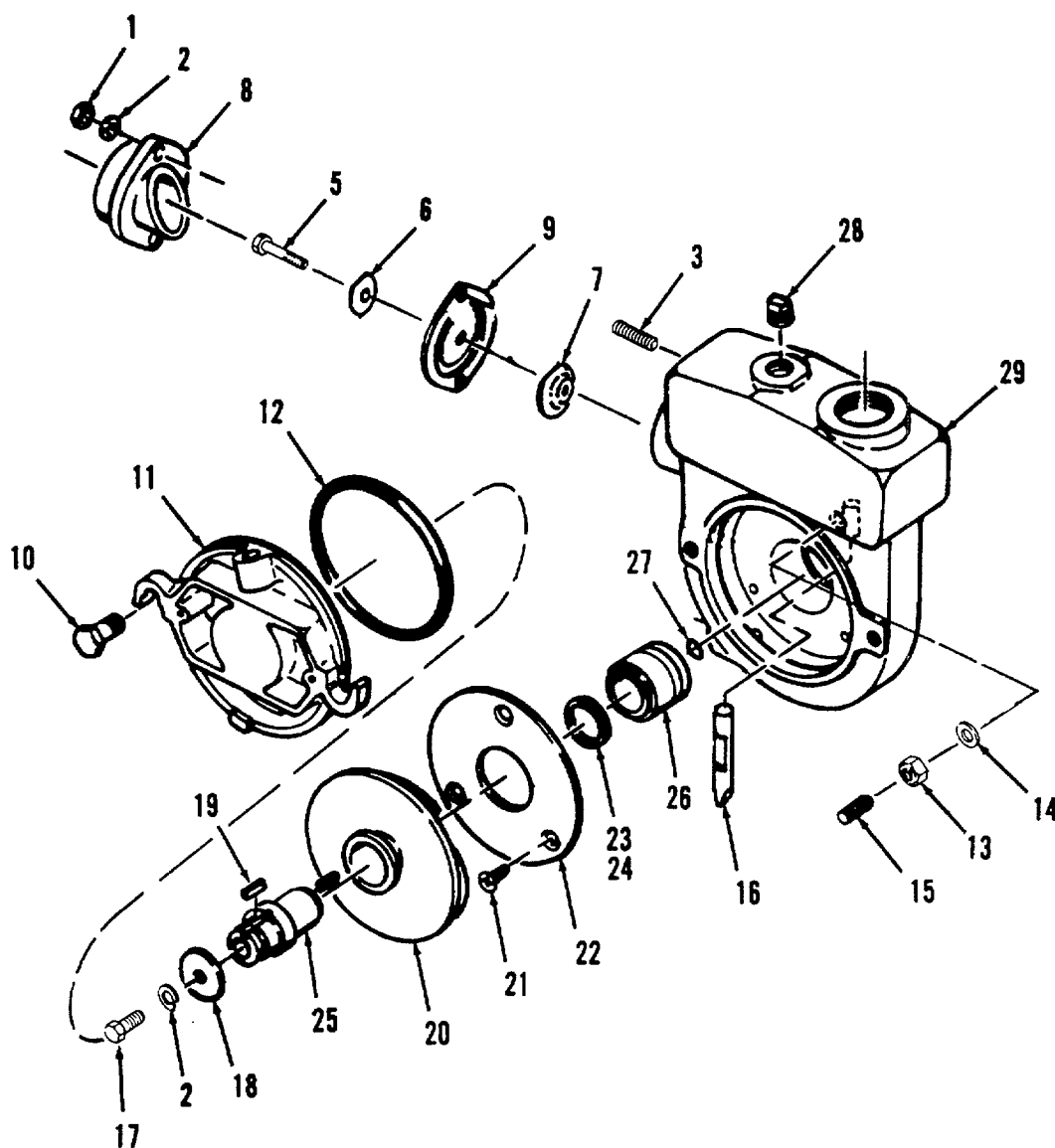


Figure 7. Pump, Centrifugal

SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO         | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC) | (6)<br>QTY |
|---------------------------|--------------------|--------------|-----------------------|---|------------|
| GROUP 02 CENTRIFUGAL PUMP |                    |              |                       |   |            |
| FIG 7. PUMP, CENTRIFUGAL  |                    |              |                       |   |            |
| 1                         | PAOZZ              | 96906        | MS51968-5             | .. NUT, PLAIN, HEXAGON .....                | 2          |
| 2                         | PAOZZ              | 96906        | MS35338-45            | .. WASHER, LOCK .....                       | 3          |
| 3                         | PAOZZ              | 80205        | NAS183-5-8A           | .. STUD .....                               | 2          |
| 4                         | PAOFZ              | 97403        | 13200E7224            | .. FLANGE ASSEMBLY .....                    | 1          |
| 5                         | PAOZZ              | 96906        | MS35216-69            | .. SCREW, MACHINE .....                     | 1          |
| 6                         | PAOZZ              | 97403        | 13200E7228            | .. WEIGHT, CHECK VALVE .....                | 1          |
| 7                         | PAOZZ              | 97403        | 13200E7227            | .. WEIGHT, CHECK VALVE .....                | 1          |
| 8                         | PAOZZ              | 97403        | 13200E7225            | .. ADAPTER, STRAIGHT, FL .....              | 1          |
| 9                         | PAOZZ              | 97403        | 13200E7226            | .. GASKET, CHECK VALVE .....                | 1          |
| 10                        | PAOZZ              | 97403        | 13200E7212            | .. BOLT, SHOULDER .....                     | 2          |
| 11                        | XBOZZ              | 97403        | 13200E7203            | .. COVER PLATE .....                        | 1          |
| 12                        | PAOZZ              | 96906        | MS29513-252           | .. PACKING, PREFORMED .....                 | 1          |
| 13                        | PAOZZ              | 96906        | MS35691-1             | .. NUT, PLAIN, HEXAGON .....                | 1          |
| 14                        | PAOZZ              | 80205        | NAS1515H4             | .. WASHER, PLASTIC .....                    | 1          |
| 15                        | PAOZZ              | 96906        | MS51963-71            | .. SETSCREW .....                           | 1          |
| 16                        | XBOZZ              | 97403        | 13200E7213            | .. PEELER .....                             | 1          |
| 17                        | PAOZZ              | 96906        | MS90726-37            | .. SCREW, CAP, HEXAGON H .....              | 1          |
| 18                        | PAOZZ              | 97403        | 13214E9380-5          | .. WASHER, FLAT .....                       | 1          |
| 19                        | PAOZZ              | 80205        | NAS558-606-10         | .. KEY, MACHINE .....                       | 1          |
| 20                        | XBOZZ              | 97403        | 13200E7204            | .. IMPELLER, PUMP, CENTR .....              | 1          |
| 21                        | PAOZZ              | 96906        | MS35198-67            | .. SCREW, MACHINE .....                     | 3          |
| 22                        | PAOZZ              | 97403        | 13200E7214            | .. PLATE, WEAR, ROTARY P .....              | 1          |
| 23                        | PAOZZ              | 81349        | 13229E9876-1          | .. SHIM STOCK .....                         | V          |
| 24                        | PAOZZ              | 97403        | 13229E9876-2          | .. SHIM STOCK .....                         | V          |
| 25                        | XBOZZ              | 97403        | 13229E9677            | .. ADAPTER SHAFT .....                      | 1          |
| 26                        | PAOZZ              | 67209        | 21-106-13             | .. SEAL ASSEMBLY PUMP .....                 | 1          |
| 27                        | PAOZZ              | 96906        | MS29513-110           | .. PACKING, PREFORMED .....                 | 1          |
| 28                        | PAOZZ              | 96906        | MS20913-6J            | .. PLUG, PIPE .....                         | 1          |
| 29                        | XBOZZ              | 97403        | 13200E7202            | .. HOUSING, LIQUID PUMP .....               | 1          |

END OF FIGURE



7  
8 through 13

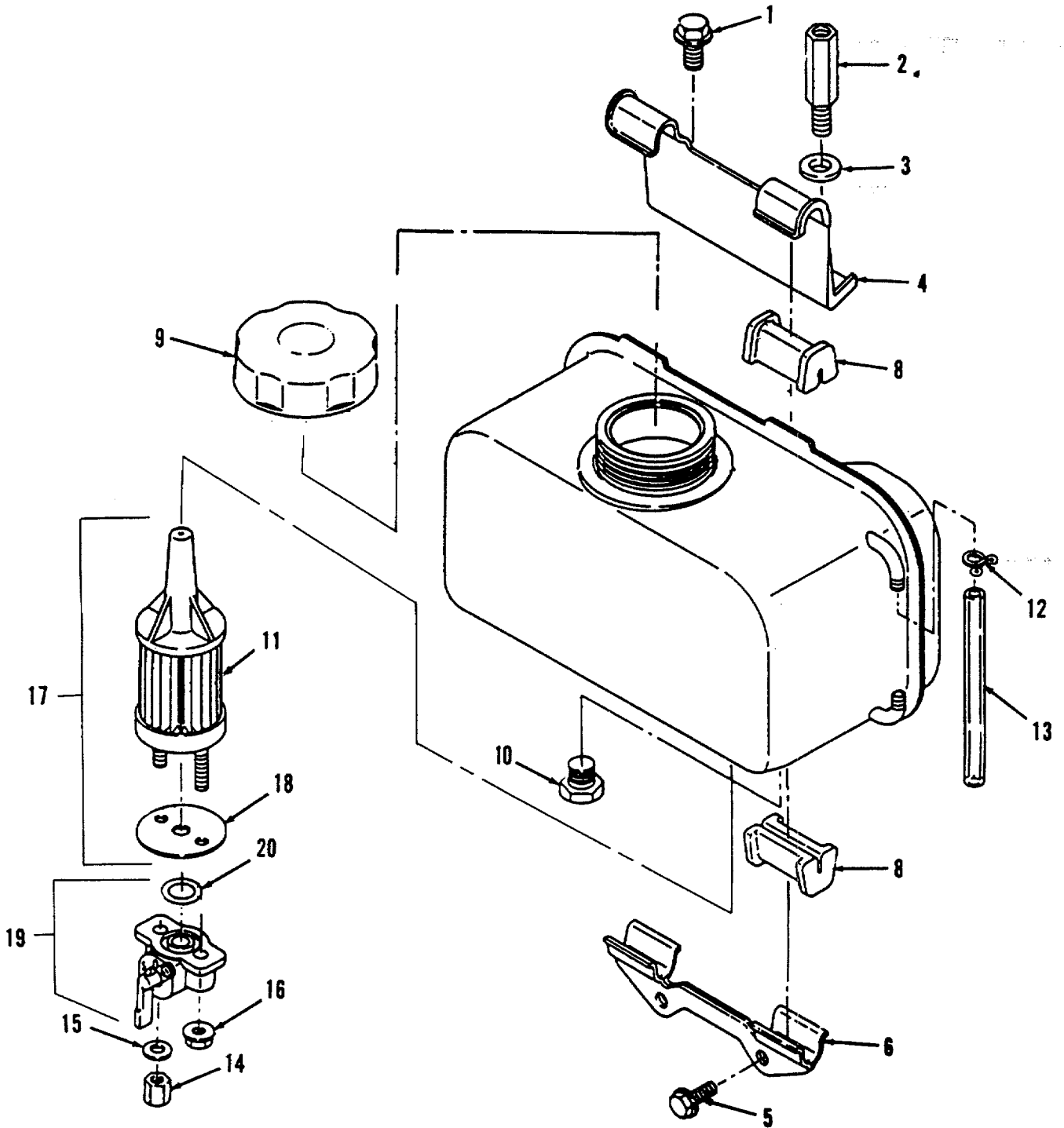


Figure 8. Fuel Tank Assembly

SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC) | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|-------------------|--------------------|--------------|-----------------------|---|------------|

GROUP 03 DIESEL ENGINE

FIG 8 FUEL TANK ASSEMBLY

|    |       |       |              |                               |   |
|----|-------|-------|--------------|-------------------------------|---|
| 1  | PAOZZ | OAK42 | 26106-080452 | .. BOLT, MACHINE .....        | 1 |
| 2  | PAOZZ | OAK42 | 114650-55810 | .. BOLT, MACHINE .....        | 1 |
| 3  | PAOZZ | OAK42 | 22117-080000 | .. WASHER, FLAT .....         | 1 |
| 4  | PAOZZ | OAK42 | 114250-55231 | .. STAY (B) .....             | 1 |
| 5  | PAOZZ | OAK42 | 26476-060142 | .. BOLT, MACHINE .....        | 2 |
| 6  | PAOZZ | OAK42 | 114250-55211 | .. STAY (A) .....             | 1 |
| 7  | PAOOO | OAK42 | 714250-55711 | .. TANK ASSEMBLY, FUEL .....  | 1 |
| 8  | PAOZZ | OAK42 | 114250-55201 | .. DAMPER, FUEL TANK .....    | 4 |
| 9  | PAOZZ | OAK42 | 114250-55041 | .. CAP, FILLER OPENING .....  | 1 |
| 10 | PAOZZ | OAK42 | 23887-120002 | .. PLUG, EXPANSION .....      | 1 |
| 11 | PAOZZ | OAK42 | 114250-55100 | .. FILTER, GAS .....          | 1 |
| 12 | PAOZZ | OAK42 | 124722-59050 | .. CLAMP, LOOP .....          | 2 |
| 13 | PAOZZ | OAK42 | 114250-55150 | .. PIPE, GAUGE .....          | 1 |
| 14 | PAOZZ | OAK42 | 114252-55800 | .. NUT, PLAIN, HEXAGON .....  | 1 |
| 15 | PAOZZ | OAK42 | 22117-060000 | .. WASHER, FLAT .....         | 1 |
| 16 | PAOZZ | OAK42 | 26366-060002 | .. NUT, PLAIN, HEXAGON .....  | 1 |
| 17 | PAOZZ | OAK42 | 114250-55120 | .. FILTER, FUEL OIL .....     | 1 |
| 18 | PAOZZ | OAK42 | 114250-55130 | .. GASKET .....               | 1 |
| 19 | PAOZZ | OAK42 | 114250-55300 | .. COCK, SHUTOFF, SCREW ..... | 1 |
| 20 | PAOZZ | OAK42 | 24341-000150 | .. PACKING, PREFORMED .....   | 1 |

END OF FIGURE

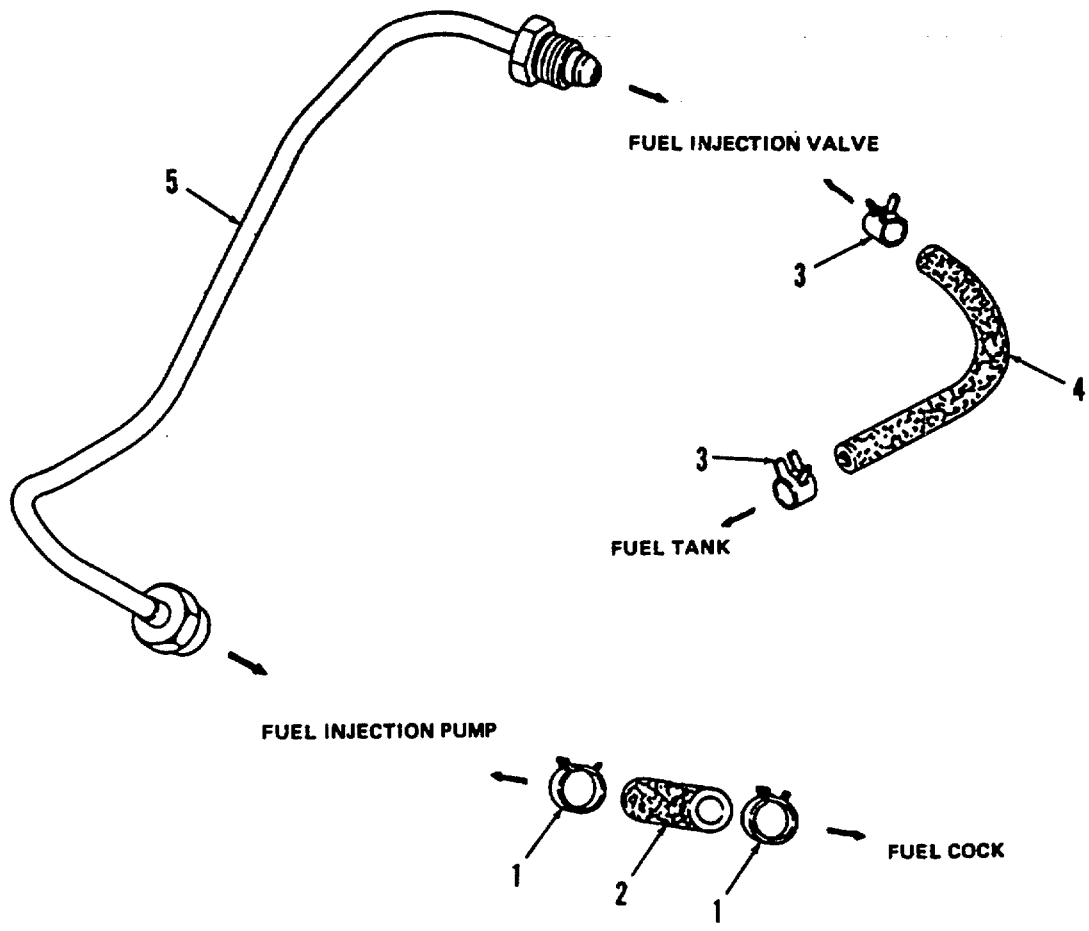


Figure 9. Fuel Lines

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO      | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC) | (6)<br>QTY |
|------------------------|--------------------|--------------|-----------------------|---|------------|
| GROUP 03 DIESEL ENGINE |                    |              |                       |   |            |
| FIG. 9 FUEL LINES      |                    |              |                       |   |            |
| 1                      | PAOZZ              | 0AK42        | 106990-44660          | ..CLAMP, LOOP .....                         | 2          |
| 2                      | PAOZZ              | 0AK42        | 114250-59050          | ..PIPE, FUEL OIL .....                      | 1          |
| 3                      | PAOZZ              | 0AK42        | 124722-59050          | ..CLAMP, LOOP .....                         | 2          |
| 4                      | PAOZZ              | 0AK42        | 114250-59060          | ..HOSE, NONMETALLIC .....                   | 1          |
| 5                      | PAOZZ              | 0AK42        | 114250-59800          | ..PIPE, FUEL INJECT .....                   | 1          |

END OF FIGURE

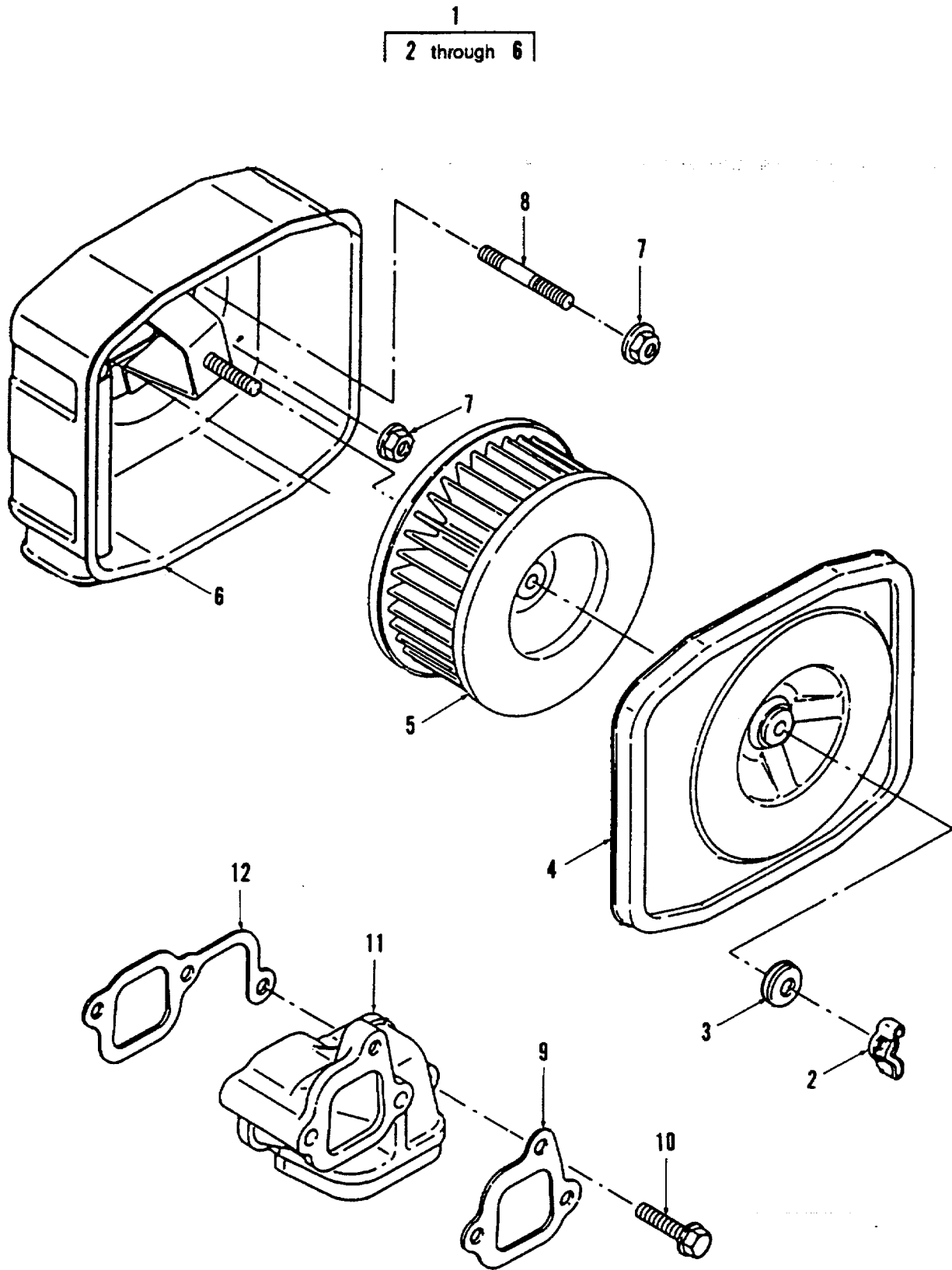


Figure 10. Air Cleaner Assembly

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br><br>FIG. 10 AIR CLEANER ASSEMBLY | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | PAOOO              | 0AK42        | 714268-12581          | ..CLEANER ASSY, AIR .....   | 1          |
| 2                 | PAOZZ              | 0AK42        | 114250-12550          | ...NUT, PLAIN, HEXAGON .....  | 1          |
| 3                 | PAOZZ              | 0AK42        | 114250-12560          | ...WASHER, SEAL .....   | 1          |
| 4                 | PAOZZ              | 0AK42        | 114250-12520          | ...COVER, AIR CLEANER .....   | 1          |
| 5                 | PAOZZ              | 0AK42        | 114250-12580          | ...FILTER ELEMENT, INTA .....   | 1          |
| 6                 | XBOZZ              | 0AK42        | 114250-12980          | ...CASE, AIR CLEANER .....  | 1          |
| 7                 | PAOZZ              | 0AK42        | 26366-060002          | ..NUT, PLAIN, HEXAGON .....   | 3          |
| 8                 | PAOZZ              | 0AK42        | 26226-060142          | ..STUD M 6X 14 PLATED .....   | 1          |
| 9                 | PAOZZ              | 0AK42        | 114250-12210          | ..PACKING, PREFORMED .....  | 1          |
| 10                | PAOZZ              | 0AK42        | 26106-060252          | ..BOLT M 6X 25 PLATED .....   | 1          |
| 11                | PAOZZ              | 0AK42        | 114250-12010          | ..PIPE, AIR INTAKE .....  | 1          |
| 12                | PAOZZ              | 0AK42        | 114250-12200          | ..GASKET .....  | 1          |

END OF FIGURE

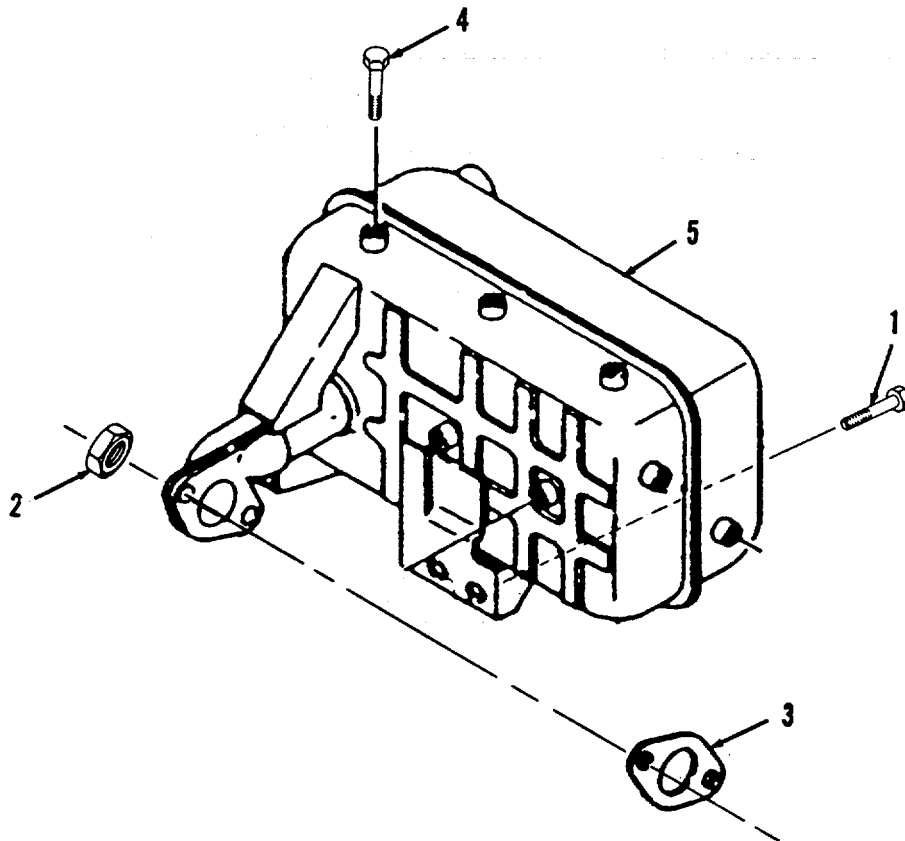


Figure 11. Exhaust Silencer

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br>FIG. 11 EXHAUST SILENCER | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | PAOZZ              | 0AK42        | 26106-060122          | ..BOLT M 6X 12 PLATED .....   | 2          |
| 2                 | PAOZZ              | 0AK42        | 26366-080002          | ..NUT, PLAIN, HEXAGON .....   | 2          |
| 3                 | PAOZZ              | 0AK42        | 114250-13200          | ..GASKET .....  | 1          |
| 4                 | PAOZZ              | 0AK42        | 26106-060082          | ..BOLT M 6X 8 PLATED .....  | 1          |
| 5                 | PAOZZ              | 0AK42        | 114770-13560          | ..EXHAUST SILENCER .....  | 1          |

END OF FIGURE



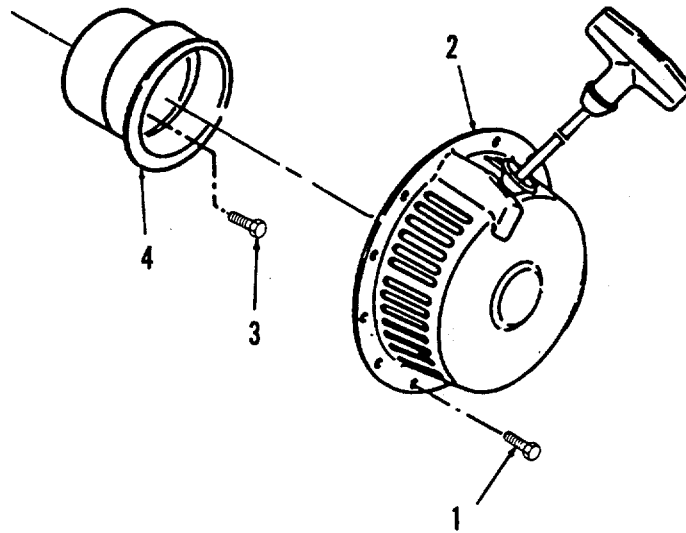


Figure 12. Recoil Starter

SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br>FIG. 12 RECOIL STARTER | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | PAOZZ              | 0AK42        | 26106-060082          | ..BOLT M 6X 8 PLATED .....  | 4          |
| 2                 | PAOZZ              | 0AK42        | 714260-76810          | ..RECOIL STARTER AY .....   | 1          |
| 3                 | PAOZZ              | 0AK42        | 26106-060122          | ..BOLT M 6X 12 PLATED .....   | 3          |
| 4                 | PAOZZ              | 0AK42        | 114250-76590          | ..PULLEY, STARTER .....   | 1          |

END OF FIGURE

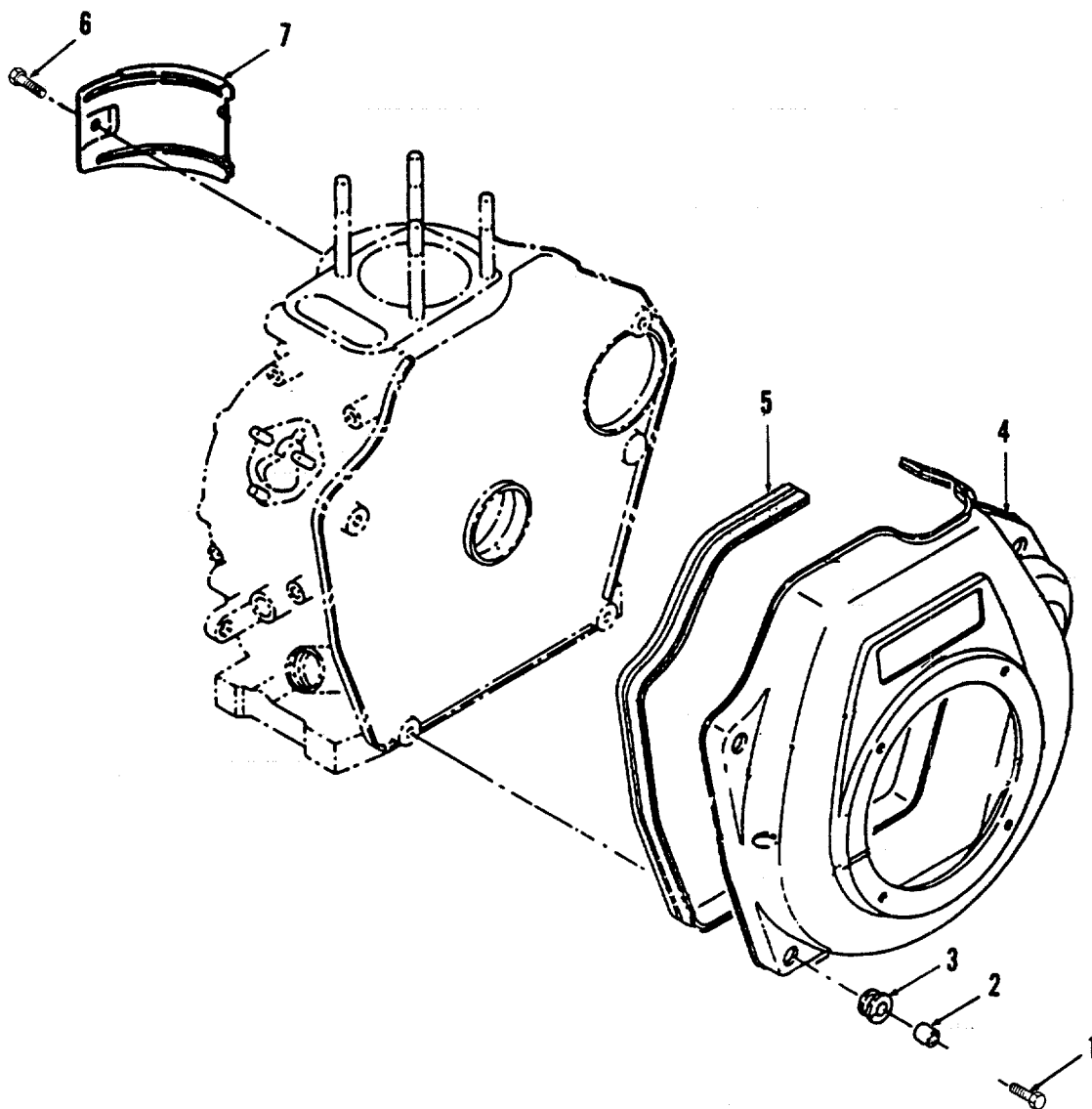


Figure 13. Cooling Fan Case

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br>FIG. 13 COOLING FAN CASE | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | PAOZZ              | 0AK42        | 26476-060252          | ..BOLT M 6X 25, TAPPNG .....  | 4          |
| 2                 | PAOZZ              | 0AK42        | 114250-45310          | ..COLLAR .....  | 4          |
| 3                 | PAOZZ              | 0AK42        | 114250-45300          | ..RETAINER, ENGINE .....  | 4          |
| 4                 | XBOZZ              | 0AK42        | 114780-45100          | ..CASE(D), COOLING FAN .....  | 1          |
| 5                 | PAOZZ              | 0AK42        | 114650-45330          | ..SEAL, PLAIN ENCASED .....   | 1          |
| 6                 | PAOZZ              | 0AK42        | 26476-060142          | ..BOLT, MACHINE .....   | 1          |
| 7                 | PAOZZ              | 0AK42        | 114250-45211          | ..COVER, ACCESS .....   | 1          |

END OF FIGURE

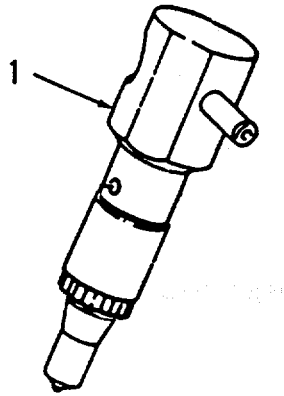


Figure 14. Fuel Injector Valve Assembly

SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br>FIG. 14 FUEL INJECTOR VALVE<br>ASSEMBLY | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| 1                 | PAFZZ              | 0AK42        | 714250-53101          | ..VALVE AY, F.INJECT .....   | 1          |
| END OF FIGURE     |                    |              |                       |  |            |

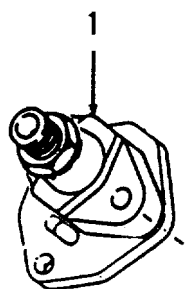


Figure 15. Fuel Injector Pump

SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC) | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
|                   |                    |              |                       | GROUP 03 DIESEL ENGINE                      |            |
|                   |                    |              |                       | FIG. 15 FUEL INJECTOR PUMP                  |            |
| 1                 | PAOZZ              | 0AK42        | 783250-51740          | ..PUMP AY, FUEL INJECT .....                | 1          |
|                   |                    |              |                       | END OF FIGURE                               |            |



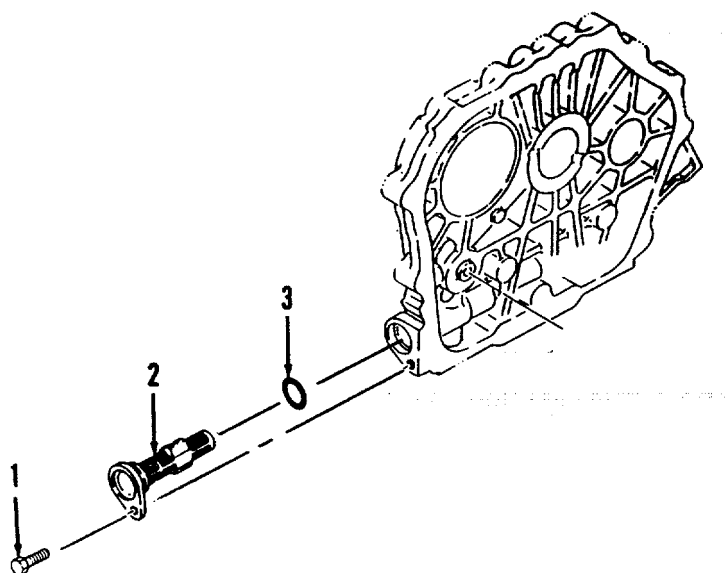


Figure 16. Lube Oil Strainer

SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br>FIG. 16 LUBE OIL STRAINER | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| 1                 | PAOZZ              | 0AK42        | 26106-060162          | ..SCREW, CAP, HEX HEAD .....   | 1          |
| 2                 | PAOZZ              | 0AK42        | 114250-35070          | ..STRAINER, LUB.OIL .....  | 1          |
| 3                 | PAOZZ              | 0AK42        | 24341-000224          | ..PACKING, PREFORMED .....   | 1          |

END OF FIGURE

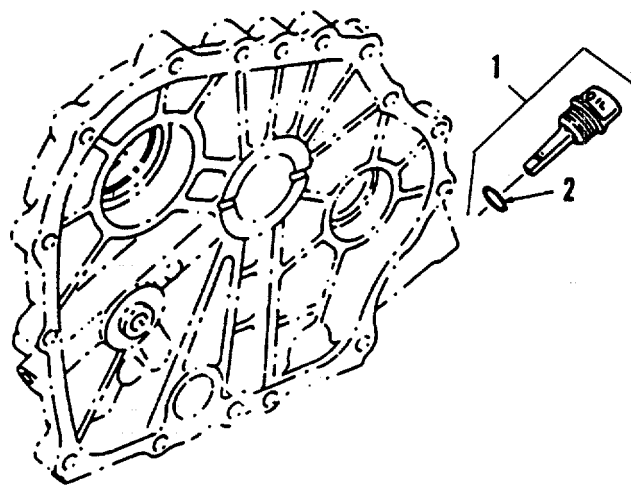


Figure 17. Oil Cap/Gauge

SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br>FIG. 17 OIL CAP/GAUGE | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| 1                 | PAOOO              | 0AK42        | 160710-01760          | ..CAP, W/LUB.OIL GAGE .....  | 1          |
| 2                 | PAOZZ              | 0AK42        | 24311-000180          | ...PACKING, PREFORMED .....  | 1          |

END OF FIGURE

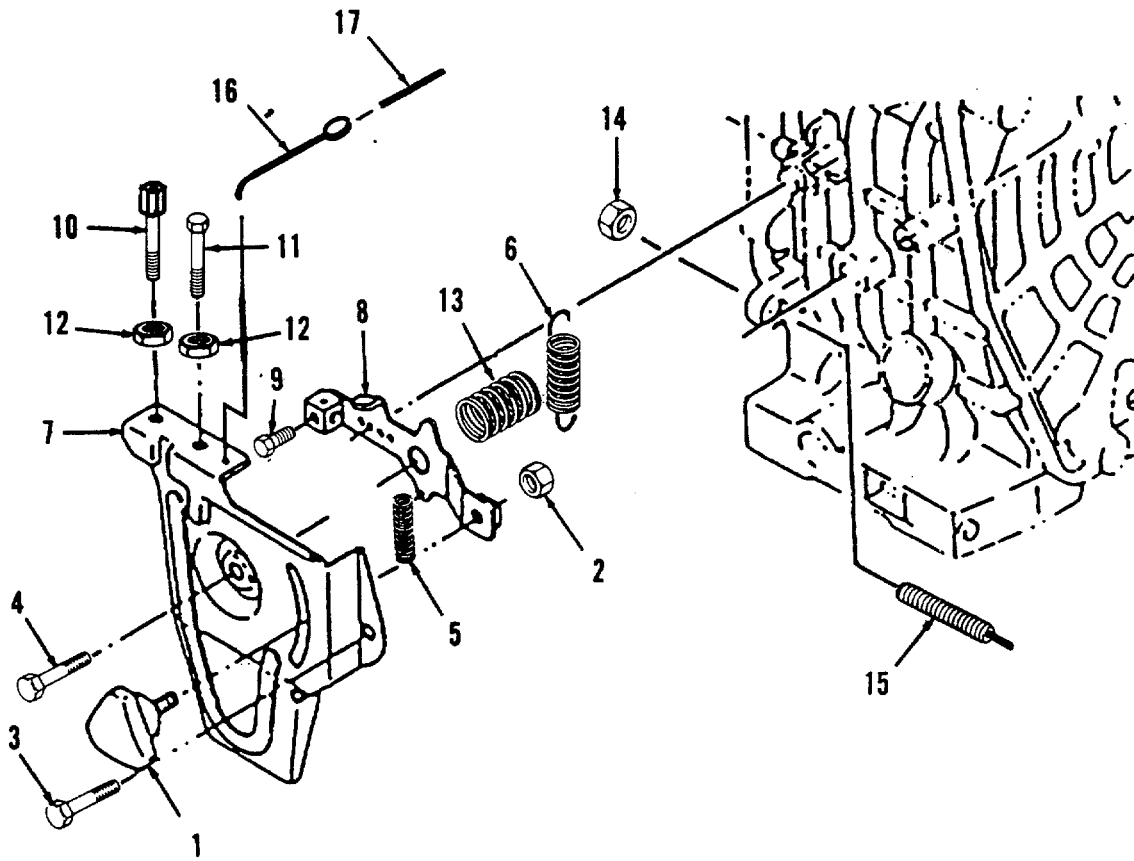


Figure 18. Regulator Bracket Assembly

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br><br>FIG. 18 REGULATOR BRACKET ASSEMBLY | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | PAFZZ              | 0AK42        | 160725-78350          | ..HANDLE, MANUAL CONIR .....  | 1          |
| 2                 | PAFZZ              | 0AK42        | 26346-060002          | ..U-NUT M 6 PLATED .....  | 1          |
| 3                 | PAFZZ              | 0AK42        | 26476-060142          | ..BOLT, MACHINE.....  | 1          |
| 4                 | PAFZZ              | 0AK42        | 26106-060202          | ..BOLT, MACHINE.....  | 1          |
| 5                 | PAFZZ              | 0AK42        | 114250                | ..SPRING, RETURN .....  | 1          |
| 6                 | PAFZZ              | 0AK42        | 114770-66010          | ..SPRING, REGULATOR .....   | 1          |
| 7                 | PAFZZ              | 0AK42        | 714268-66500          | ..BRACKET AY, REGULAT .....   | 1          |
| 8                 | PAFZZ              | 0AK42        | 114250-66050          | ..HANDLE, REGULATOR .....   | 1          |
| 9                 | PAFZZ              | 0AK42        | 26116-040088          | ..BOLT, MACHINE .....   | 1          |
| 10                | PAFZZ              | 0AK42        | 102100-67080          | ..BOLT, ADJUSTING .....   | 1          |
| 11                | PAFZZ              | 0AK42        | 114250-66440          | ..BOLT, MACHINE .....   | 1          |
| 12                | PAFZZ              | 0AK42        | 26756-060002          | ..NUT, PLAIN, HEXAGON .....   | 2          |
| 13                | PAFZZ              | 0AK42        | 114252-66252          | ..SPRING, HELICAL, COMP .....   | 1          |
| 14                | PAFZZ              | 0AK42        | 26696-100002          | ..NUT, PLAIN, HEXAGON .....   | 1          |
| 15                | PAFZZ              | 0AK42        | 114250-66550 -        | -..TORQUE SPRING AY .....   | 1          |
| 16                | PAFZZ              | 0AK42        | 135210-61090          | ..LEAD .....  | 2          |
| 17                | PAFZZ              | 0AK42        | 22451-060000          | ..WIRE 0.6 .....  | 2          |

END OF FIGURE

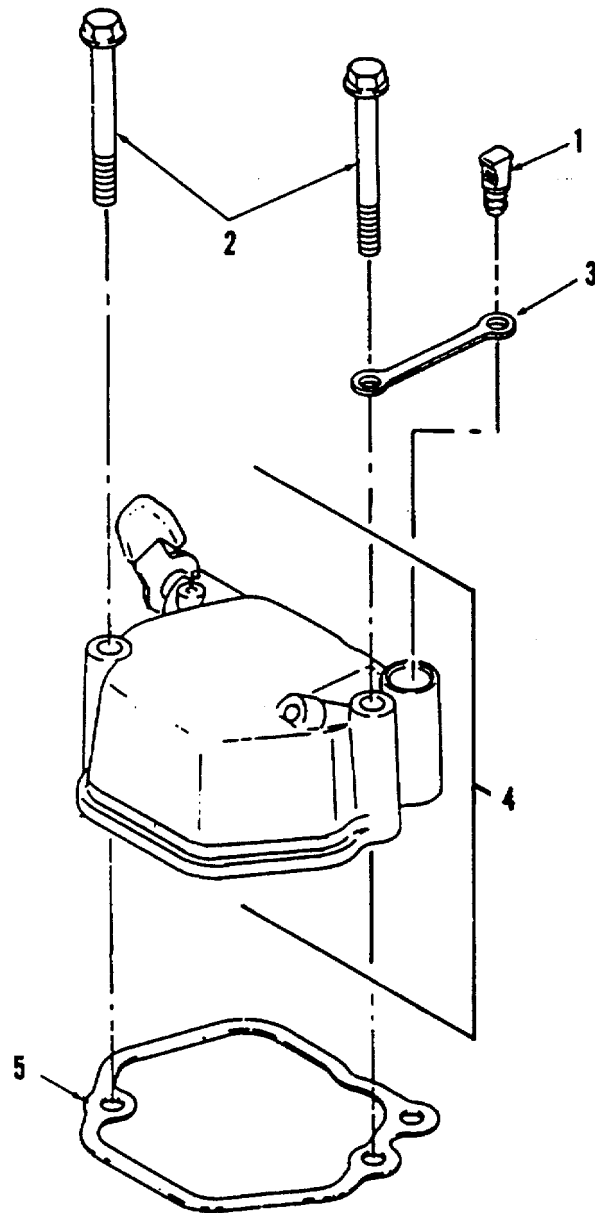


Figure 19. Cylinder Head Cover

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br>FIG. 19 CYLINDER HEAD COVER | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| 1                 | PAFZZ              | 0AK42        | 114250-76600          | ..PLUNGER, RUBBER .....  | 1          |
| 2                 | PAFZZ              | 0AK42        | 26106-060552          | ..BOLT M 6X 55 PLATED .....  | 2          |
| 3                 | PAFZZ              | 0AK42        | 114250-76610          | ..HOLDER, PLUNGER .....  | 1          |
| 4                 | PAFZZ              | 0AK42        | 114250-11951          | ..BONN, ET ASSY, HEAD .....  | 1          |
| 5                 | PAFZZ              | 0AK42        | 114250-11310          | ..GASKET .....   | 1          |

END OF FIGURE



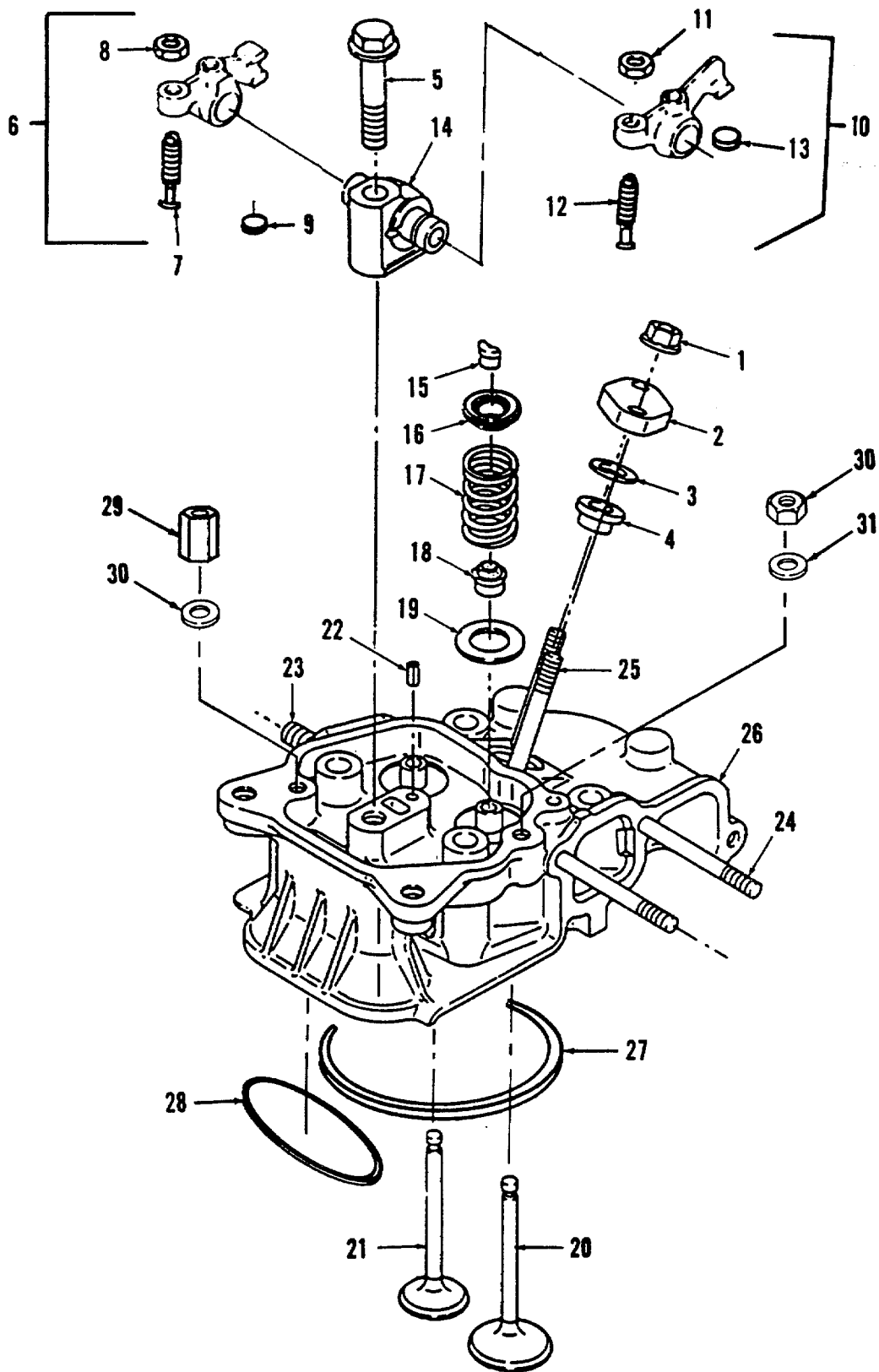


Figure 20. Cylinder Head Components

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br><br>FIG. 20 CYLINDER HEAD COMPONENTS | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | PAFZZ              | 0AK42        | 26366-060002          | ..NUT, PLAIN, HEXAGON .....   | 2          |
| 2                 | PAFZZ              | 0AK42        | 114250-11900          | ..RETAINER, NOZZLE .....  | 1          |
| 3                 | PAFZZ              | 0AK42        | 114350-11470          | ..SPACER, SLEEVE .....  | 1          |
| 4                 | PAFZZ              | 0AK42        | 114250-11460          | ..GASKET .....  | 1          |
| 5                 | PAFZZ              | 0AK42        | 26106-080452          | ..BOLT, MACHINE .....   | 1          |
| 6                 | XBFZZ              | 0AK42        | 714270-11660          | ..ARM ASSY, EXHAUST .....   | 1          |
| 7                 | XBFZZ              | 0AK42        | 114250-11240          | ..SCREW, VALVE .....  | 1          |
| 8                 | XBFZZ              | 0AK42        | 26756-060002          | ..NUT, PLAIN, HEXAGON .....   | 1          |
| 9                 | PAFZZ              | 0AK42        | 119260-11370          | ..CAP, VALVE .....  | 1          |
| 10                | XBFZZ              | 0AK42        | 114250-11651          | ..ARM ASSY, INTAKE .....  | 1          |
| 11                | XBFZZ              | 0AK42        | 26756-060002          | ..NUT, PLAIN, HEXAGON .....   | 1          |
| 12                | XBFZZ              | 0AK42        | 114250-11240          | ..SCREW, VALVE .....  | 1          |
| 13                | PAFZZ              | 0AK42        | 119260-11370          | ..CAP, VALVE .....  | 1          |
| 14                | XBFZZ              | 0AK42        | 114250-11290          | ..SUPPORT, ROCKER ARM .....   | 1          |
| 15                | PAFZZ              | 0AK42        | 714250-11570          | ..LOCK, VALVE SPRING R .....  | 2          |
| 16                | PAFZZ              | 0AK42        | 114250-11180          | ..SEAT, HELICAL COMPRE .....  | 2          |
| 17                | PAFZZ              | 0AK42        | 114250-11120          | ..SPRING, VALVE .....   | 2          |
| 18                | PAFZZ              | 0AK42        | 114250-11340          | ..PACKING, PREFORMED .....  | 2          |
| 19                | PAFZZ              | 0AK42        | 114250-11600          | ..WASHER, FLAT .....  | 2          |
| 20                | PAFZZ              | 0AK42        | 114250-11101          | ..VALVE, SUCTION .....  | 1          |
| 21                | PAFZZ              | 0AK42        | 114250-11113          | ..VALVE, EXHAUST .....  | 1          |
| 22                | PAFZZ              | 0AK42        | 22351-040008          | ..PIN, SPRING .....   | 1          |
| 23                | PAFZZ              | 0AK42        | 26216-080182          | ..STUD, PLAIN .....   | 2          |
| 24                | PAFZZ              | 0AK42        | 26226-060552          | ..STUD, PLAIN .....   | 2          |
| 25                | PAFZZ              | 0AK42        | 26226-060502          | ..STUD, PLAIN .....   | 2          |
| 26                | XBFZZ              | 0AK42        | 114250-11020          | ..HEAD ASSY, CYLINDER .....   | 1          |
| 27                | PAFZZ              | 0AK42        | 114250-01340          | ..GASKET .....  | 1          |
| 28                | PAFZZ              | 0AK42        | 114250-01380          | ..PACKING, PREFORMED .....  | 1          |
| 29                | PAFZZ              | 0AK42        | 114250-01220          | ..NUT, PLAIN, H EXAGON .....  | 2          |
| 30                | PAFZZ              | 0AK42        | 114250-01250          | ..NUT, PLAIN, HEXAGON .....   | 2          |
| 31                | PAFZZ              | 0AK42        | 124950-01250          | ..WASHER, FLAT .....  | 4          |

END OF FIGURE

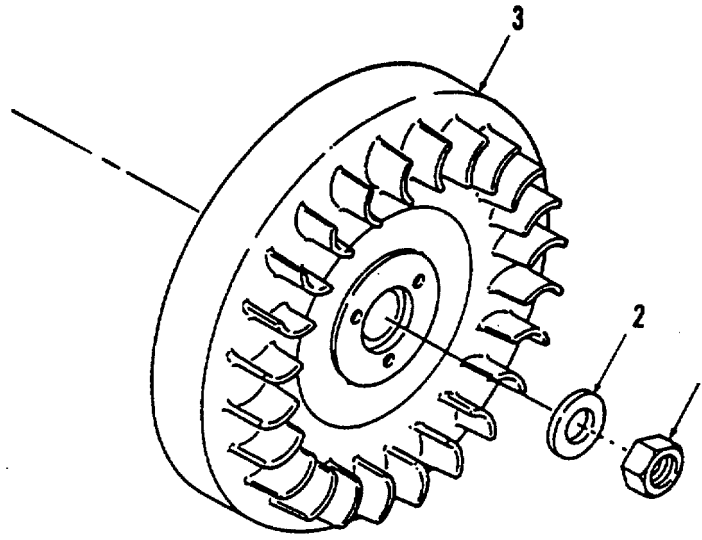


Figure 21. Flywheel

SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br>FIG. 21 FLYWHEEL | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | PAFZZ              | 0AK42        | 103854-01221          | ..NUT M16.....  | 1          |
| 2                 | PAFZZ              | 0AK42        | 114250-21550          | ..WASHER, FLAT .....  | 1          |
| 3                 | PAFZZ              | 0AK42        | 114780-21400          | ..FLYWHEEL... .....   | 1          |

END OF FIGURE

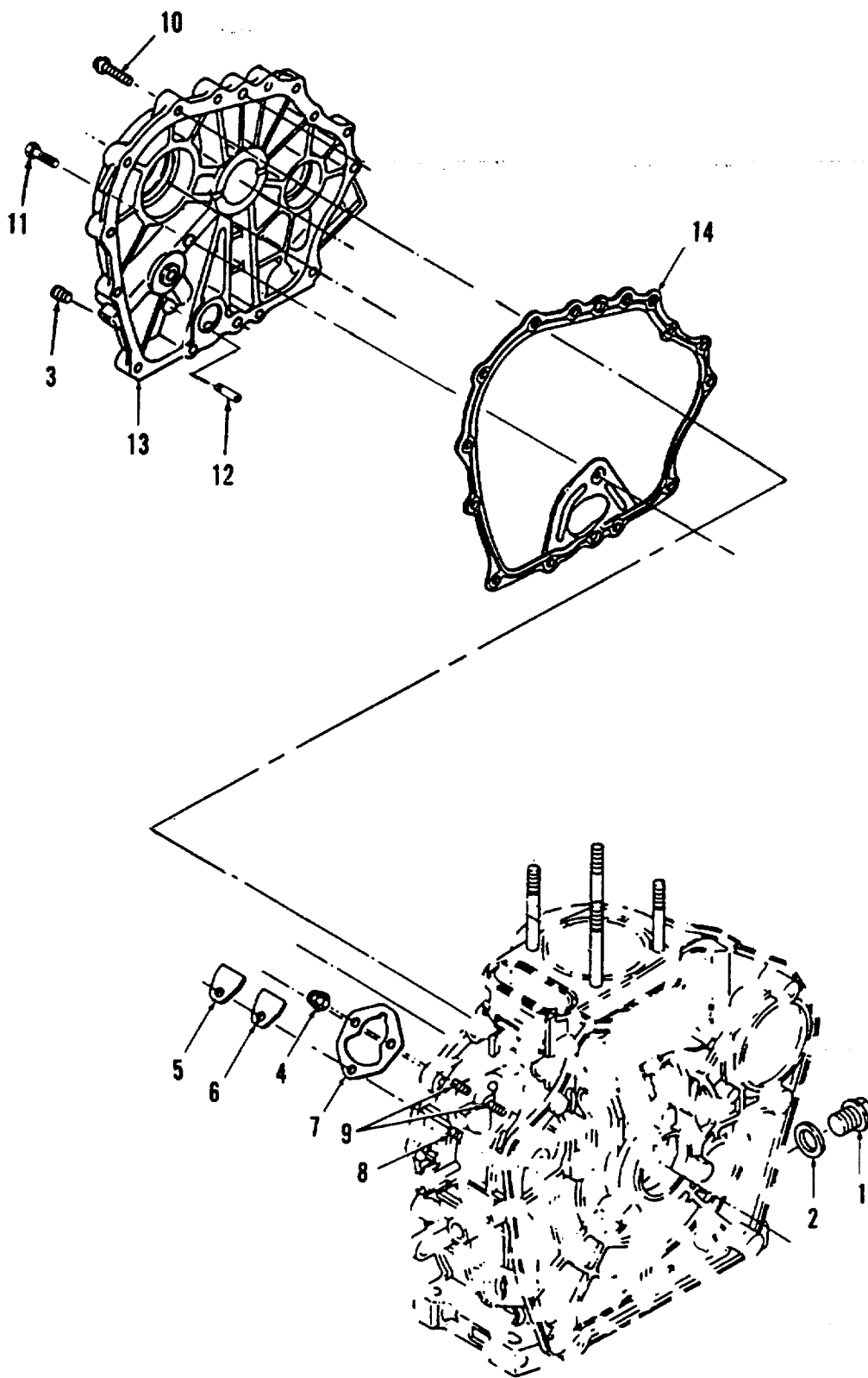


Figure 22. Crankcase Assembly

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br>FIG. 22 CRANKCASE ASSEMBLY | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | PAHZZ              | 0AK42        | 105425-01690          | ..PLUG M16 .....  | 2          |
| 2                 | PAHZZ              | 0AK42        | 43400-500490          | ..GASKET .....  | 4          |
| 3                 | PAHZZ              | 0AK42        | 23871-010000          | ..PLUG PT1/8, SCREW .....   | 1          |
| 4                 | PAHZZ              | 0AK42        | 26366-060002          | ..NUT, PLAIN, HEXAGON .....   | 3          |
| 5                 | PAHZZ              | 0AK42        | 114250-01830          | ..COVER, INSPEC.WINDOW .....  | 1          |
| 6                 | PAHZZ              | 0AK42        | 114250-01840          | ..GASKET .....  | 1          |
| 7                 | PAHZZ              | 0AK42        | 114250-01800          | ..SHIM SET .....  | 1          |
| 8                 | PAHZZ              | 0AK42        | 26226-060182          | ..STUD M 6X 18 PLATED .....   | 1          |
| 9                 | PAHZZ              | 0AK42        | 26226-060222          | ..STUD M 6X 22 PLATED .....   | 2          |
| 10                | PAHZZ              | 0AK42        | 26106-060252          | ..BOLT M 6X 25 PLATED .....   | 14         |
| 11                | PAHZZ              | 0AK42        | 26106-080352          | ..BOLT M 8X 35 PLATED .....   | 1          |
| 12                | PAHZZ              | 0AK42        | 114250-35150          | ..PIPE, L.O. INLET .....  | 1          |
| 13                | XBHZZ              | 0AK42        | 114260-01453          | ..CQVER(D), CRANK CASE .....  | 1          |
| 14                | PAHZZ              | 0AK42        | 114250-01412          | ..GASKET, CRANK CASE .....  | 1          |

END OF FIGURE

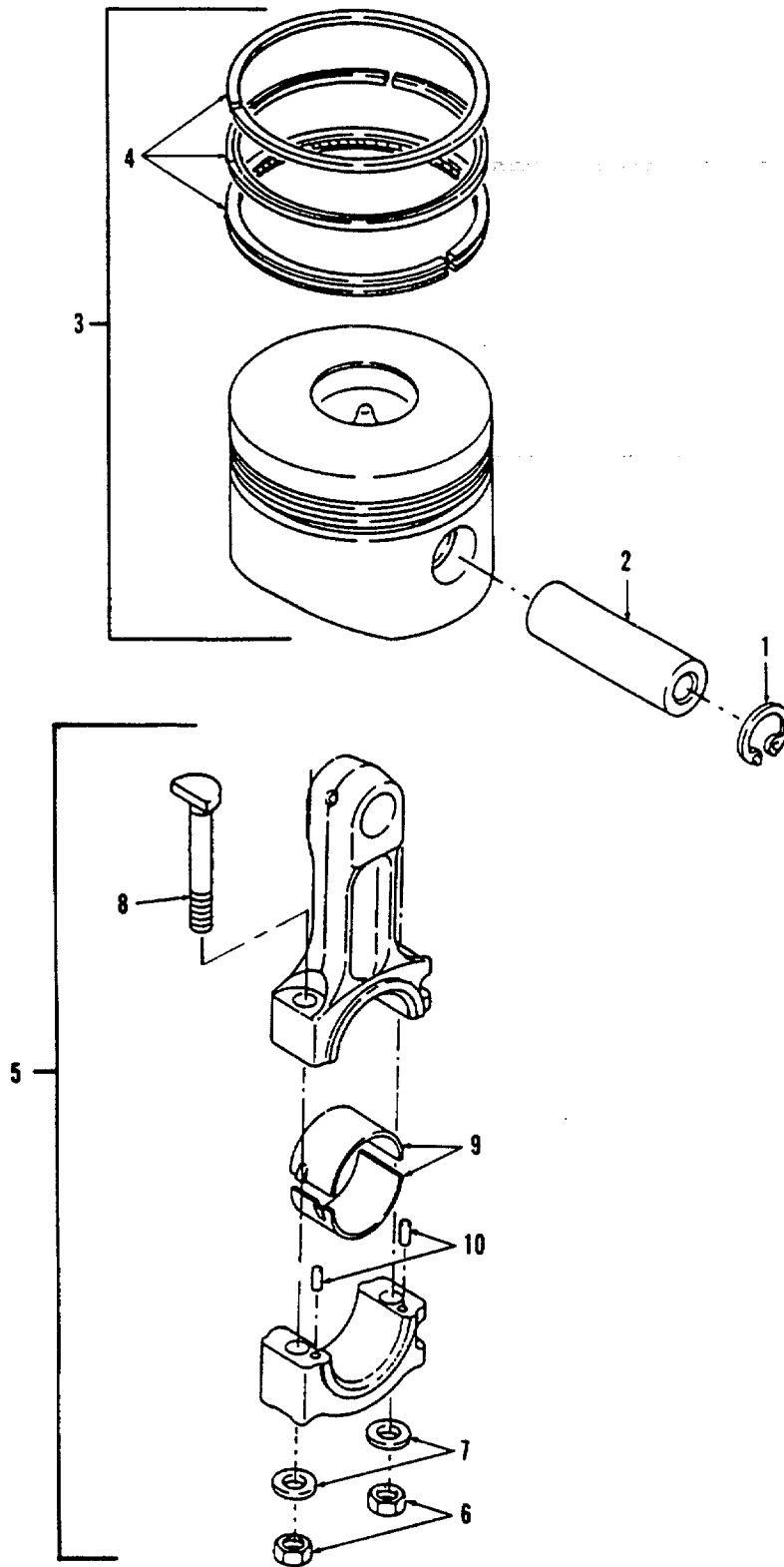


Figure 23. Piston and Connecting Rod Assembly

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br><br>FIG. 23 PISTON AND CONNECTING ROD<br>ASSEMBLY | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|--|------------|
| 1                 | PAHZZ              | 0AK42        | 22252-000190          | ..RING, RETAINING .....  | 2          |
| 2                 | PAHZZ              | 0AK42        | 114250-22302          | ..PIN, PISTON .....  | 1          |
| 3                 | PAHHH              | 0AK42        | 714280-22720          | ..PISTON W/RINGS .....   | 1          |
| 4                 | PAHZZ              | 0AK42        | 714250-22502          | ...RING SET, PISTON .....  | 1          |
| 5                 | PAHHH              | 0AK42        | 714250-23703          | ..CONNECTING ROD , PIST .....  | 1          |
| 6                 | PAHZZ              | 0AK42        | 114250-23220          | ...NUT, PLAIN, HEXAGON .....   | 2          |
| 7                 | PAHZZ              | 0AK42        | 114250-23250          | ...WASHE.R, FLAT .....   | 2          |
| 8                 | PAHZZ              | 0AK42        | 114250-23200          | ...BOLT, ROD.. .....   | 2          |
| 9                 | PAHZZ              | 0AK42        | 714250-23600          | ...BEARING, SLEEVE .....   | 1          |
| 10                | PAHZZ              | 0AK42        | 22312-030080          | ...PIN, STRAIGHT, HEADLE .....   | 2          |

END OF FIGURE



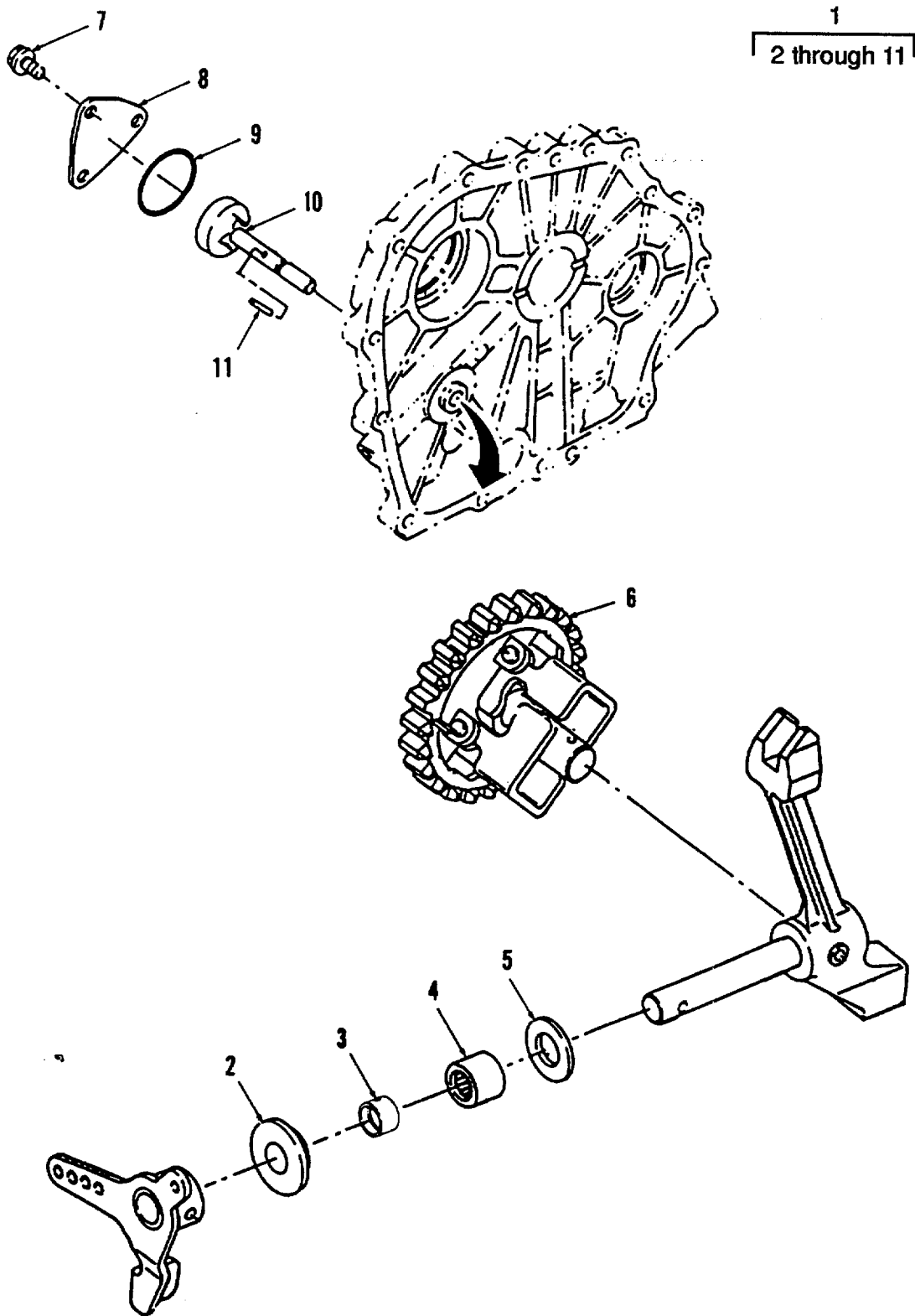


Figure 24. Governor Assembly and Lube Oil Pump.

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br><br>FIG. 24 GOVERNOR ASSEMBLY AND LUBE<br>OIL PUMP | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | XBHZZ              | 0AK42        | 714250-61500          | ..LEVER ASSEMBLY, .....   | 1          |
| 2                 | PAHZZ              | 0AK42        | 114770-61610          | ..BUSHING .....   | 1          |
| 3                 | PAHZZ              | 0AK42        | 114770-61600          | ..SEAL, OILL ..   | 1          |
| 4                 | PAHZZ              | 0AK42        | 121450-61520          | ..NEEDLE BEARING .....  | 2          |
| 5                 | PAHZZ              | 0AK42        | 22137-080000          | ..WASHER, FLAT .....  | 1          |
| 6                 | PAHZZ              | 0AK42        | 714770-61700          | ..GOVERNOR ASSEMBLY .....   | 1          |
| 7                 | PAHZZ              | 0AK42        | 26476-060142          | ..BOLT, MACHINE .....   | 3          |
| 8                 | PAHZZ              | 0AK42        | 114250-32070          | ..COVER, LUB.OIL PUMP .....   | 1          |
| 9                 | PAHZZ              | 0AK42        | 103338-32570          | ..PACKING, PREFORMED .....  | 1          |
| 10                | PAHZZ              | 0AK42        | 114250-32010          | ..PUMP AY, LUB.OIL .....  | 1          |
| 11                | PAHZZ              | 0AK42        | 22312-030160          | ..PIN, STRAIGHT, HEADLE .....   | 1          |

END OF FIGURE

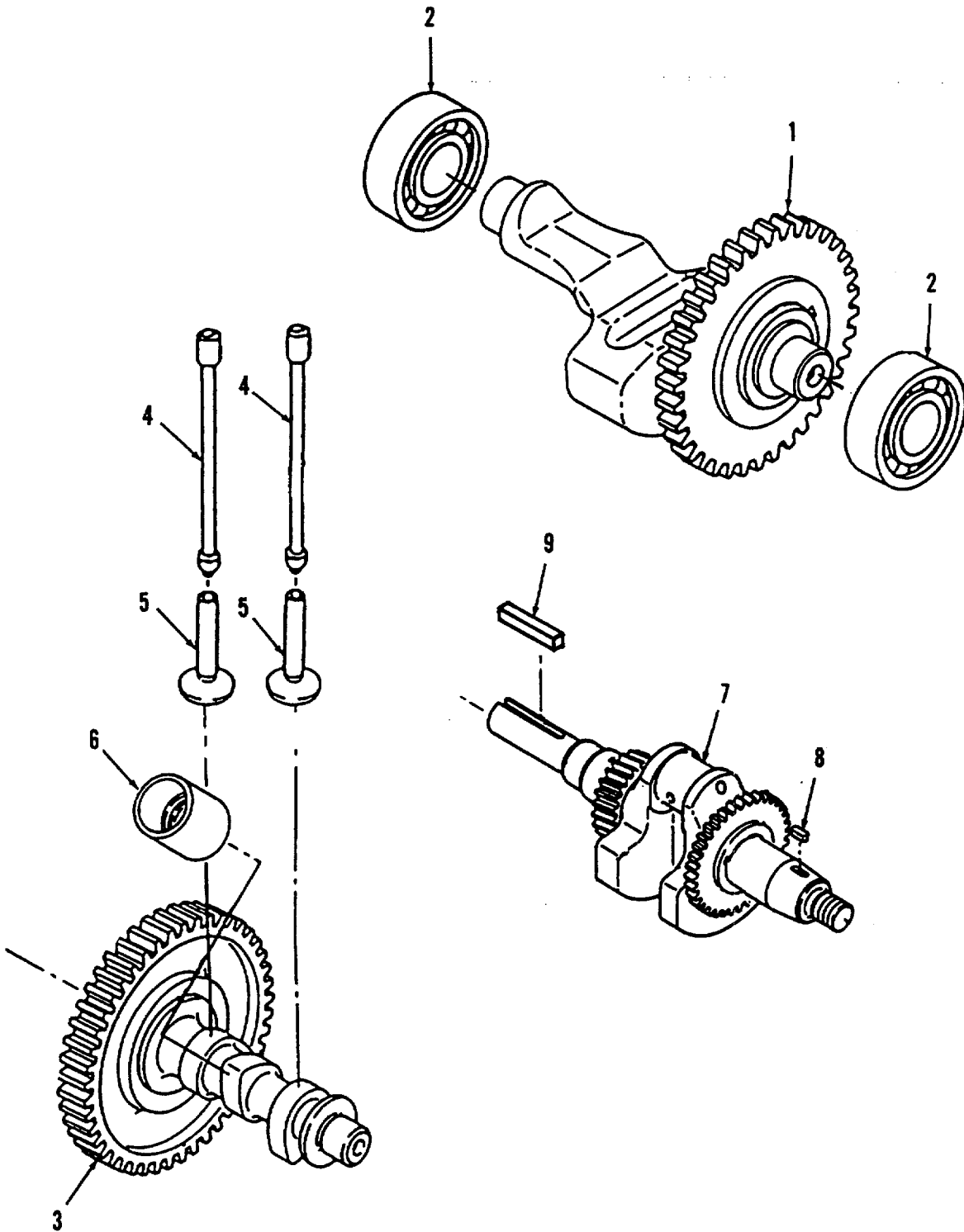


Figure 25. Balancer Shaft Assembly, Camshaft Assembly, and Crankshaft Assembly

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br><br>FIG. 25 BALANCER SHAFT ASSEMBLY AND<br>CRANKSHAFT ASSEMBLY | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | PAHZZ              | 0AK42        | 714770-28510          | ..SHAFT AY, BALANCER .....  | 1          |
| 2                 | PAHZZ              | 0AK42        | 24101-062024          | ..BEARING, BALL, ANNULA .....   | 2          |
| 3                 | PAHZZ              | 0AK42        | 714780-14580          | ..CAMSHAFT (D) ASSY .....   | 1          |
| 4                 | PAHZZ              | 0AK42        | 114250-14450          | ..ROD, PUSH .....   | 2          |
| 5                 | PAHZZ              | 0AK42        | 114250-14200          | ..TAPPET, SUC./EXH .....  | 2          |
| 6                 | PAHZZ              | 0AK42        | 114250-14260          | ..TAPPET, FUEL .....  | 1          |
| 7                 | PAHZZ              | 0AK42        | 714288-21700          | ..CRANKSHAFT ASSEMBLY .....   | 1          |
| 8                 | PAHZZ              | 0AK42        | 22512-040120          | ..KEY, MACHINE .....  | 1          |
| 9                 | PAHZZ              | 0AK42        | 160642-21150          | ..KEY, MACHINE .....  | 1          |

END OF FIGURE

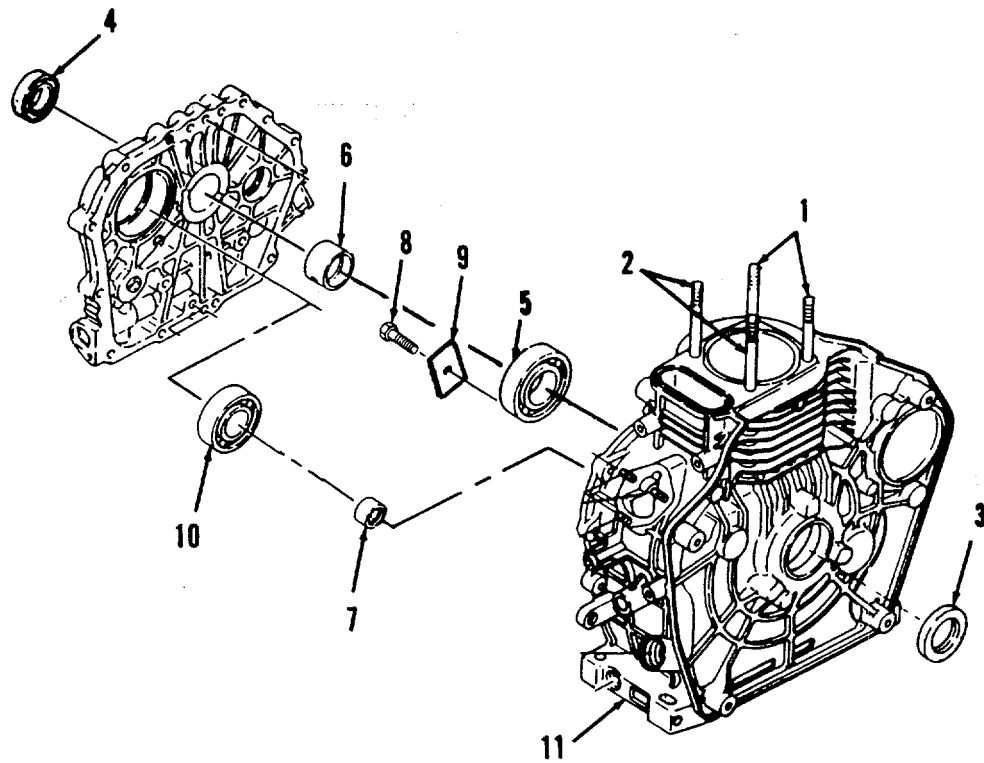


Figure 26. Cylinder Block

## SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 03 DIESEL ENGINE<br>FIG. 26 CYLINDER BLOCK | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | PAHZZ              | 0AK42        | 114250-01200          | ..STUD, CYL. HEAD .....   | 2          |
| 2                 | PAHZZ              | 0AK42        | 114250-01210          | ..STUD, CYL. HEAD .....   | 2          |
| 3                 | PAHZZ              | 0AK42        | 160110-02220          | ..SEAL,PLAIN ENCASED .....  | 1          |
| 4                 | PAHZZ              | 0AK42        | 160210-02220          | ..SEAL,PLAIN ENCASED .....  | 1          |
| 5                 | PAHZZ              | 0AK42        | 114250-02113          | ..BEARING,BALL,ANNULA .....   | 1          |
| 6                 | PAHZZ              | 0AK42        | 114250-02100          | ..BEARING,SLEEVE .....  | 1          |
| 7                 | PAHZZ              | 0AK42        | 24162-152112          | ..NEEDLE BEARING .....  | 1          |
| 8                 | PAHZZ              | 0AK42        | 26106-080122          | ..BOLT,MACHINE .....  | 1          |
| 9                 | PAHZZ              | 0AK42        | 114250-02030          | ..RETAINER,BALL,BEARI .....   | 1          |
| 10                | PAHZZ              | 0AK42        | 24101-062050          | ..BEARING,BALL,ANNULA .....   | 1          |
| 11                | XBHZZ              | 0AK42        | 714271-01560          | ..BLOCK AY, CYLINDER .....  | 1          |

END OF FIGURE

**Section III. SPECIAL TOOLS LIST**

**(Not Applicable)**

SECTION II

TM10-4320-316-24P

| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES(UOC)<br>GROUP 99 BULK ITEMS<br>FIG. BULK | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|---|------------|
| 1                 | PAOZZ              | 97403        | 13229E9692-1          | PLASTIC FOAM ADHESIVE BACKED, 0.75 IN. THICK .....                              | V          |
| 2                 | PAOZZ              | 97403        | 13229E9692-2          | PLASTIC FOAM ADHESIVE BACKED, 1.00 IN. THICK .....                              | V          |
| 3                 | PAOZZ              | 97403        | 13229E9692-3          | PLASTIC FOAM ADHESIVE BACKED, 2.00 IN. THICK .....                              | V          |

END OF FIGURE



## CROSS-REFERENCE INDEXES

|                  |      | NATIONAL STOCK NUMBER INDEX |                  |      |      |
|------------------|------|-----------------------------|------------------|------|------|
| STOCK NUMBER     | FIG. | ITEM                        | STOCK NUMBER     | FIG. | ITEM |
| 5310-00-080-6004 | 5    | 6                           | 2815-01-323-0290 | 20   | 20   |
| 4320-00-103-8199 | 7    | 4                           | 4320-01-323-0298 | 24   | 10   |
| 4730-00-196-1533 | 4    | 2                           | 2815-01-323-0351 | 23   | 5    |
| 5305-00-225-9092 | 7    | 17                          | 2815-01-323-0352 | 25   | 5    |
| 4730-00-247-6414 | 7    | 8                           | 2815-01-323-0353 | 25   | 6    |
| 5330-00-248-3837 | 7    | 27                          | 2815-01-323-1352 | 20   | 15   |
| 4820-00-276-9041 | 1    | 20                          | 5310-01-323-2683 | 8    | 14   |
| 4730-00-287-3790 | 4    | 6                           | 5330-01-323-2728 | 17   | 2    |
| 5310-00-407-9566 | 6    | 3                           | 4820-01-323-5034 | 8    | 19   |
|                  | 7    | 2                           | 5306-01-323-5440 | 19   | 2    |
| 5330-00-527-8116 | 7    | 12                          | 5307-01-323-5503 | 20   | 25   |
| 5305-00-543-4372 | 1    | 4                           | 5307-01-323-5504 | 20   | 24   |
| 5325-00-582-3601 | 1    | 9                           | 5340-01-323-7785 | 8    | 10   |
| 4730-00-595-0672 | 4    | 5                           | 5340-01-323-7844 | 8    | 12   |
| 5306-00-686-5722 | 7    | 10                          |                  | 9    | 3    |
| 5305-00-723-9379 | 7    | 15                          | 5340-01-323-7845 | 9    | 1    |
| 4320-00-790-6357 | 7    | 26                          | 5340-01-323-7866 | 13   | 2    |
| 4320-00-790-6358 | 7    | 22                          | 5340-01-323-7879 | 10   | 4    |
| 5340-00-792-8233 | 5    | 4                           | 3110-01-324-5719 | 24   | 4    |
| 5310-00-809-4061 | 5    | 7                           | 3120-01-324-5762 | 26   | 6    |
| 5320-00-850-3233 | 2    | 5                           | 2815-01-324-6801 | 20   | 2    |
|                  | 5    | 14                          | 5330-01-324-8253 | 26   | 4    |
| 5310-00-851-2674 | 7    | 13                          | 5330-01-324-8254 | 26   | 3    |
| 5310-00-880-7746 | 7    | 1                           | 5330-01-324-8279 | 24   | 9    |
| 4730-00-908-3194 | 1    | 13                          | 5330-01-324-8287 | 10   | 12   |
| 5305-00-957-6652 | 7    | 21                          | 3110-01-324-8815 | 26   | 10   |
| 5315-00-985-3690 | 7    | 19                          | 3110-01-324-8817 | 26   | 7    |
| 5320-01-004-0238 | 1    | 1                           | 5330-01-324-8831 | 20   | 18   |
|                  | 1    | 18                          | 5340-01-324-8850 | 20   | 16   |
|                  | 2    | 3                           | 2815-01-324-9200 | 13   | 3    |
|                  | 3    | 2                           | 5330-01-325-5810 | 8    | 20   |
| 5340-01-055-4939 | 2    | 9                           | 5330-01-326-2669 | 22   | 2    |
| 5305-01-069-8235 | 13   | 1                           | 5330-01-326-4773 | 10   | 9    |
| 5310-01-077-3906 | 7    | 18                          | 5330-01-326-4780 | 11   | 3    |
| 5306-01-114-0963 | 5    | 10                          | 5330-01-326-8017 | 16   | 3    |
| 5305-01-163-5075 | 11   | 4                           | 5330-01-326-8021 | 20   | 4    |
|                  | 12   | 1                           | 5330-01-326-8022 | 19   | 5    |
| 5305-01-255-6548 | 10   | 10                          | 5310-01-327-0778 | 10   | 2    |
|                  | 22   | 10                          | 4240-01-328-4878 | 8    | 11   |
| 2940-01-310-4495 | 10   | 5                           | 5330-01-330-9564 | 13   | 5    |
| 2910-01-310-4522 | 14   | 1                           | 2815-01-348-5888 | 25   | 3    |
| 5330-01-318-8200 | 8    | 18                          | 2815-01-348-5889 | 25   | 7    |
| 5310-01-322-8607 | 11   | 2                           | 5330-01-353-6007 | 22   | 14   |
| 5365-01-322-8679 | 23   | 1                           | 2990-01-353-7531 | 24   | 6    |
| 5365-01-322-8692 | 20   | 3                           | 2815-01-353-9785 | 23   | 3    |
| 5310-01-322-8696 | 8    | 15                          |                  |      |      |
| 5310-01-322-8747 | 10   | 3                           |                  |      |      |
| 3110-01-322-9532 | 25   | 2                           |                  |      |      |
| 3120-01-322-9560 | 23   | 9                           |                  |      |      |
| 2815-01-323-0286 | 23   | 2                           |                  |      |      |

## CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER     | PART NUMBER INDEX |                   | FIG. | ITEM |
|-------|-----------------|-------------------|-------------------|------|------|
|       |                 |                   | STOCK NUMBER      |      |      |
| 80204 | B1821BHO38CZOOM |                   |                   | 5    | 3    |
| 80204 | B1821BH038C075N |                   | 5305-00-543-4372  | 1    | 4    |
| 80204 | B1821BH038C100L |                   | 5306-01-114-0963  | 5    | 10   |
| 80204 | B1867BD080250   |                   |                   | 6    | 2    |
| 0AK42 | L40AE-D-SPI     |                   |                   | 6    | 5    |
| 96906 | MS17829Z6C      |                   |                   | 5    | 1    |
| 96906 | MS20913-6J      |                   |                   | 7    | 28   |
| 96906 | MS27183-14      |                   | 5310-00-080-6004  | 5    | 6    |
| 96906 | MS27183-15      |                   | 5310-00-809-4061  | 5    | 7    |
| 96906 | MS29513-110     |                   | 5330-00-248-3837  | 7    | 27   |
| 96906 | MS29513-252     |                   | 5330-00-527-8116  | 7    | 12   |
| 96906 | MS35198-67      |                   | 5305-00-957-6652  | 7    | 21   |
| 96906 | MS35216-69      |                   |                   | 7    | 5    |
| 96906 | MS35338-45      |                   | 5310-00-407-9566  | 6    | 3    |
|       |                 |                   |                   | 7    | 2    |
| 96906 | MS35489-38      |                   | 5325-00-582-3601. | 1    | 9    |
| 96906 | MS35691-1       |                   | 5310-00-851-2674  | 7    | 13   |
| 96906 | MS35782-6       |                   | 4820-00-276-9041  | 1    | 20   |
| 96906 | MS35825-10E     |                   | 5340-01-055-4939  | 2    | 9    |
| 96906 | MS35842-11      |                   | 4730-00-908-3194  | 1    | 13   |
| 96906 | MS39233-3B      |                   |                   | 1    | 21   |
| 96906 | MS39233-8B      |                   | 4730-00-595-0672  | 4    | 5    |
| 96906 | MS51953-174     |                   | 4730-00-196-1533  | 4    | 2    |
| 96906 | MS51953-179     |                   | 4730-00-287-3790  | 4    | 6    |
| 96906 | MS51953-64      |                   |                   | 1    | 22   |
| 96906 | MS51963-71      |                   | 5305-00-723-9379  | 7    | 15   |
| 96906 | MS51967-8       |                   |                   | 5    | 5    |
| 96906 | MS51968-5       |                   | 5310-00-880-7746  | 7    | 1    |
| 96906 | MS90726-37      |                   | 5305-00-225-9092  | 7    | 17   |
| 81349 | M24243/1D402    |                   | 5320-01-004-0238  | 1    | 1    |
|       |                 |                   |                   | 1    | 18   |
|       |                 |                   |                   | 2    | 3    |
|       |                 |                   |                   | 3    | 2    |
| 81349 | M24243/1D403    |                   |                   | 2    | 7    |
| 81349 | M24243/1D602    |                   |                   | 2    | 4    |
|       |                 |                   |                   | 3    | 4    |
| 81349 | M24243/1D604    |                   | 5320-00-850-3233  | 2    | 5    |
|       |                 |                   |                   | 5    | 14   |
| 80205 | NAS1515H4       |                   |                   | 7    | 14   |
| 80205 | NAS183-5-8A     |                   |                   | 7    | 3    |
| 80205 | NAS558-606-10   |                   | 5315-00-985-3690  | 7    | 19   |
| 81348 | WWP471AASBCC    |                   |                   | 1    | 23   |
| 0AK42 | 102100-67080    |                   |                   | 18   | 10   |
| 0AK42 | 103338-32570    |                   | 5330-01-324-8279  | 24   | 9    |
| 0AK42 | 103854-01221    |                   |                   | 21   | 1    |
| 0AK42 | 105425-01690    |                   |                   | 22   | 1    |
| 0AK42 | 106990-44660    |                   | 5340-01-323-7845  | 9    | 1    |
| 0AK42 | 114250          |                   |                   | 18   | 5    |
| 0AK42 | 114250-01200    |                   |                   | 26   | 1    |
| 0AK42 | 114250-01210    |                   |                   | 26   | 2    |
| 0AK42 | 114250-01220    |                   |                   | 20   | 29   |

## CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER  | PART NUMBER INDEX |                  | FIG. | ITEM |
|-------|--------------|-------------------|------------------|------|------|
|       |              |                   | STOCK NUMBER     |      |      |
| 0AK42 | 114250-01250 |                   |                  | 20   | 30   |
| 0AK42 | 114250-01340 |                   |                  | 20   | 27   |
| 0AK42 | 114250-01380 |                   |                  | 20   | 28   |
| 0AK42 | 114250-01412 |                   | 5330-01-353-6007 | 22   | 14   |
| 0AK42 | 114250-01800 |                   |                  | 22   | 7    |
| 0AK42 | 114250-01830 |                   |                  | 22   | 5    |
| 0AK42 | 114250-01840 |                   |                  | 22   | 6    |
| 0AK42 | 114250-02030 |                   |                  | 26   | 9    |
| 0AK42 | 114250-02100 |                   | 3120-01-324-5762 | 26   | 6    |
| 0AK42 | 114250-02113 |                   |                  | 26   | 5    |
| 0AK42 | 114250-11020 |                   |                  | 20   | 26   |
| 0AK42 | 114250-11101 |                   | 2815-01-323-0290 | 20   | 20   |
| 0AK42 | 114250-11113 |                   |                  | 20   | 21   |
| 0AK42 | 114250-11120 |                   |                  | 20   | 17   |
| 0AK42 | 114250-11180 |                   | 5340-01-324-8850 | 20   | 16   |
| 0AK42 | 114250-11240 |                   |                  | 20   | 7    |
|       |              |                   |                  | 20   | 12   |
| 0AK42 | 114250-11290 |                   |                  | 20   | 14   |
| 0AK42 | 114250-11310 |                   | 5330-01-326-8022 | 19   | 5    |
| 0AK42 | 114250-11340 |                   | 5330-01-324-8831 | 20   | 18   |
| 0AK42 | 114250-11460 |                   | 5330-01-326-8021 | 20   | 4    |
| 0AK42 | 114250-11600 |                   |                  | 20   | 19   |
| 0AK42 | 114250-11651 |                   |                  | 20   | 10   |
| 0AK42 | 114250-11900 |                   | 2815-01-324-6801 | 20   | 2    |
| 0AK42 | 114250-11951 |                   |                  | 19   | 4    |
| 0AK42 | 114250-12010 |                   |                  | 10   | 11   |
| 0AK42 | 114250-12200 |                   | 5330-01-324-8287 | 10   | 12   |
| 0AK42 | 114250-12210 |                   | 5330-01-326-4773 | 10   | 9    |
| 0AK42 | 114250-12520 |                   | 5340-01-323-7879 | 10   | 4    |
| 0AK42 | 114250-12550 |                   | 5310-01-327-0778 | 10   | 2    |
| 0AK42 | 114250-12560 |                   | 5310-01-322-8747 | 10   | 3    |
| 0AK42 | 114250-12580 |                   | 2940-01-310-4495 | 10   | 5    |
| 0AK42 | 114250-12980 |                   |                  | 10   | 6    |
| 0AK42 | 114250-13200 |                   | 5330-01-326-4780 | 11   | 3    |
| 0AK42 | 114250-14200 |                   | 2815-01-323-0352 | 25   | 5    |
| 0AK42 | 114250-14260 |                   | 2815-01-323-0353 | 25   | 6    |
| 0AK42 | 114250-14450 |                   |                  | 25   | 4    |
| 0AK42 | 114250-21550 |                   |                  | 21   | 2    |
| 0AK42 | 114250-22302 |                   | 2815-01-323-0286 | 23   | 2    |
| 0AK42 | 114250-23200 |                   |                  | 23   | 8    |
| 0AK42 | 114250-23220 |                   |                  | 23   | 6    |
| 0AK42 | 114250-23250 |                   |                  | 23   | 7    |
| 0AK42 | 114250-32010 |                   | 4320-01-323-0298 | 24   | 10   |
| 0AK42 | 114250-32070 |                   |                  | 24   | 8    |
| 0AK42 | 114250-35070 |                   |                  | 16   | 2    |
| 0AK42 | 114250-35150 |                   |                  | 22   | 12   |
| 0AK42 | 114250-45211 |                   |                  | 13   | 7    |
| 0AK42 | 114250-45300 |                   | 2815-01-324-9200 | 13   | 3    |
| 0AK42 | 114250-45310 |                   | 5340-01-323-7866 | 13   | 2    |
| 0AK42 | 114250-55041 |                   |                  | 8    | 9    |
| 0AK42 | 114250-55100 |                   | 4240-01-328-4878 | 8    | 11   |

## CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER   | PART NUMBER INDEX |                   | FIG. | ITEM |
|-------|---------------|-------------------|-------------------|------|------|
|       |               |                   | STOCK NUMBER      |      |      |
| 0AK42 | 114250-55120  |                   |                   | 8    | 17   |
| 0AK42 | 114250-55130  |                   | 5330-01-318-8200  | 8    | 18   |
| 0AK42 | 114250-55150  |                   |                   | 8    | 13   |
| 0AK42 | 114250-55201  |                   |                   | 8    | 8    |
| 0AK42 | 114250-55211  |                   |                   | 8    | 6    |
| 0AK42 | 114250-55231  |                   |                   | 8    | 4    |
| 0AK42 | 114250-55300  |                   | 4820-01-323-5034  | 8    | 19   |
| 0AK42 | 114250-59050  |                   |                   | 9    | 2    |
| 0AK42 | 114250-59060  |                   |                   | 9    | 4    |
| 0AK42 | 114250-59800  |                   |                   | 9    | 5    |
| 0AK42 | 114250-66'050 |                   |                   | 18   | 8    |
| 0AK42 | 114250-66440  |                   |                   | 18   | 11   |
| 0AK42 | 114250-66550  |                   |                   | 18   | 15   |
| 0AK42 | 114250-76590  |                   |                   | 12   | 4    |
| 0AK42 | 114250-76600  |                   |                   | 19   | 1    |
| 0AK42 | 114250-76610  |                   |                   | 19   | 3    |
| 0AK42 | 114252-55800  |                   | 5310-01-323-2683  | 8    | 14   |
| 0AK42 | 114252-66252  |                   |                   | 18   | 13   |
| 0AK42 | 114260-01453  |                   |                   | 22   | 13   |
| 0AK42 | 114350-11470  |                   | 5365-01-322-8692- | 20   | 3    |
| 0AK42 | 114650-45330  |                   | 5330-01-330-9564  | 13   | 5    |
| 0AK42 | 114650-55810  |                   |                   | 8    | 2    |
| 0AK42 | 114770-13560  |                   |                   | 11   | 5    |
| 0AK42 | 114770-61600  |                   |                   | 24   | 3    |
| 0AK42 | 114770-61610  |                   |                   | 24   | 2    |
| 0AK42 | 114770-66010  |                   |                   | 18   | 6    |
| 0AK42 | 114780-21400  |                   |                   | 21   | 3    |
| 0AK42 | 114780-45100  |                   |                   | 13   | 4    |
| 0AK42 | 119260-11370  |                   |                   | 20   | 9    |
|       |               |                   |                   | 20   | 13   |
| 0AK42 | 121450-61520  |                   | 3110-01-324-5719  | 24   | 4    |
| 0AK42 | 124722-59050  |                   | 5340-01-323-7844  | 8    | 12   |
|       |               |                   |                   | 9    | 3    |
| 0AK42 | 124950-01250  |                   |                   | 20   | 31   |
| 97403 | 13200E7202    |                   |                   | 7    | 29   |
| 97403 | 132-OOE7203   |                   |                   | 7    | 11   |
| 97403 | 13200E7204    |                   |                   | 7    | 20   |
| 97403 | 13200E7212    |                   | 5306-00-686-5722  | 7    | 10   |
| 97403 | 13200E7213    |                   |                   | 7    | 16   |
| 97403 | 13200E7214    |                   | 4320-00-790-6358  | 7    | 22   |
| 97403 | 13200E7224    |                   | 4320-00-103-8199  | 7    | 4    |
| 97403 | 13200E7225    |                   | 4730-00-247-6414  | 7    | 8    |
| 97403 | 13200E7226    |                   |                   | 7    | 9    |
| 97403 | 13200E7227    |                   |                   | 7    | 7    |
| 97403 | 13200E7228    |                   |                   | 7    | 6    |
| 97403 | 13200E8819    |                   | 5340-00-792-8233  | 5    | C4   |
| 97403 | 13214E9380-5  |                   | 5310-01-077-3906  | 7    | 18   |
| 97403 | 13229E6784    |                   |                   | 1    | 2    |
| 97403 | 13229E6786-2  |                   |                   | 1    | 25   |
| 97403 | 13229E6787    |                   |                   | 2    | 6    |
| 97403 | 13229E6788    |                   |                   | 2    | 8    |

## CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER    | PART NUMBER INDEX |              | FIG. | ITEM |
|-------|----------------|-------------------|--------------|------|------|
|       |                |                   | STOCK NUMBER |      |      |
| 97403 | 13229E6790-2   |                   |              | 1    | 24   |
| 97403 | 13229E6792-3   |                   |              | 1    | 26   |
| 97403 | 13229E9677     |                   |              | 7    | 25   |
| 97403 | 13229E9679     |                   |              | 2    | 2    |
| 97403 | 13229E9679/1   |                   |              | 2    | 14   |
| 97403 | 13229E9679/12  |                   |              | 2    | 20   |
| 97403 | 13229E9679/13  |                   |              | 2    | 22   |
| 97403 | 13229E9679/14  |                   |              | 2    | 21   |
| 97403 | 13229E9679/15  |                   |              | 2    | 18   |
| 97403 | 13229E9679/16  |                   |              | 2    | 19   |
| 97403 | 13229E9679/17  |                   |              | 2    | 16   |
| 97403 | 13229E9679/18  |                   |              | 2    | 23   |
| 97403 | 13229E9679/2   |                   |              | 2    | 15   |
| 97403 | 13229E9679/20  |                   |              | 2    | 27   |
| 97403 | 13229E9679/21  |                   |              | 2    | 26   |
| 97403 | 13229E9679/22  |                   |              | 2    | 25   |
| 97403 | 13229E9679/23  |                   |              | 2    | 24   |
| 97403 | 13229E9679/24  |                   |              | 2    | 28   |
| 97403 | 13229E9679/25  |                   |              | 2    | 29   |
| 97403 | 13229E9679/3   |                   |              | 2    | 10   |
| 97403 | 13229E9679/4   |                   |              | 2    | 13   |
| 97403 | 13229E9679/5   |                   |              | 2    | 12   |
| 97403 | 13229E9680     |                   |              | 3    | 1    |
| 97403 | 13229E7480/1   |                   |              | 3    | 5    |
| 97403 | 13229E96L0/10  |                   |              | 3    | 10   |
| 97403 | 13229E9680/11  |                   |              | 3    | 12   |
| 97403 | 13229E969.0/12 |                   |              | 3    | 11   |
| 97403 | 13229E9630/19  |                   |              | 3    | 7    |
| 97403 | 13229E9680/2   |                   |              | 3    | 6    |
| 97403 | 13229E9683/3   |                   |              | 3    | 3    |
| 97403 | 13229E9680/7   |                   |              | 3    | 13   |
| 97403 | 13229E9680/8   |                   |              | 3    | 8    |
| 97403 | 13229E9680/9   |                   |              | 3    | 9    |
| 97403 | 13229E9681     |                   |              | 1    | 6    |
| 97403 | 13229E9682     |                   |              | 1    | 5    |
| 97403 | 13229E9683     |                   |              | 5    | 12   |
| 97403 | 13229E9683/1   |                   |              | 5    | 13   |
| 97403 | 13229E9684     |                   |              | 3    | 20   |
| 97403 | 13229E9684/1   |                   |              | 3    | 26   |
| 97403 | 13229E9684/3   |                   |              | 3    | 22   |
| 97403 | 13229E9684/4   |                   |              | 3    | 23   |
| 97403 | 13229E9684/5   |                   |              | 3    | 21   |
| 97403 | 13229E9684/6   |                   |              | 3    | 25   |
| 97403 | 13229E9685     |                   |              | 5    | 9    |
| 97403 | 13229E9686     |                   |              | 1    | 27   |
| 97403 | 13229E9687     |                   |              | 1    | 28   |
| 97403 | 13229E9688     |                   |              | 1    | 8    |
| 97403 | 13229E9689     |                   |              | 1    | 15   |
| 97403 | 13229E9689/1   |                   |              | 1    | 17   |
| 97403 | 13229E9689/2   |                   |              | 1    | 16   |
| 97403 | 13229E9690     |                   |              | 5    | 11   |

## CROSS-REFERENCE INDEXES

| CAGEC  | PART NUMBER  | PART NUMBER INDEX<br>STOCK NUMBER | FIG. | ITEM |
|--------|--------------|-----------------------------------|------|------|
| 97403  | 13229E9691   |                                   | 1    | 11   |
| 97403  | 13229E9692-1 |                                   | 99   | 1    |
| 97403  | 13229E9692-2 |                                   | 99   | 2    |
| 97403  | 13229E9692-3 |                                   | 99   | 3    |
| 97403  | 13229E9693   |                                   | 1    | 14   |
| 97403  | 13229E9694   |                                   | 1    | 10   |
| 97403  | 13229E9695   |                                   | 6    | 1    |
| 97403  | 13229E9696   |                                   | 5    | 2    |
| 97403  | 13229E9697   |                                   | 3    | 16   |
| 97403  | 13229E9698   |                                   | 5    | 15   |
| 97403  | 13229E9699   |                                   | 1    | 19   |
| 97403  | 13229E9700   |                                   | 3    | 15   |
| 97403  | 13229E9701   |                                   | 3    | 17   |
| 97403  | 13229E9702   |                                   | 2    | 31   |
| 97403  | 13229E9703   |                                   | 2    | 33   |
| 97403  | 13229E9704   |                                   | 3    | 19   |
| 97.403 | 13229E9705   |                                   | 3    | 18   |
| 97403  | 13229E9706   |                                   | 2    | 34   |
| 97403  | 13229E9707   |                                   | 2    | 30   |
|        |              |                                   | 3    | 14   |
| 97403  | 13229E9708   |                                   | 2    | 32   |
| 97403  | 13229E9709   |                                   | 2    | 35   |
| 97403  | 13229E9710   |                                   | 2    | 11   |
| 97403  | 13229E9711   |                                   | 2    | 17   |
|        |              |                                   | 3    | 24   |
| 97403  | 13229E9712   |                                   | 1    | 12   |
| 96906  | 13229E9713   |                                   | 1    | 7    |
| 97403  | 13229E9714   |                                   | 1    | 3    |
|        |              |                                   | 2    | 1    |
| 97403  | 13229E9715   |                                   | 5    | 8    |
| 97403  | 13229E9716   |                                   | 4    | 3    |
| 97403  | 13229E9717   |                                   | 4    | 1    |
| 81349  | 13229E9876-1 |                                   | 7    | 23   |
| 97403  | 13229E9876-2 |                                   | 7    | 24   |
| 97403  | 13230E5324   |                                   | 6    | 4    |
| 97.403 | 13230E5325   |                                   | 4    | 4    |
| 0AK42  | 135210-61090 |                                   | 18   | 16   |
| 0AK42  | 160110-02220 | 5330-01-324-8254                  | 26   | 3    |
| 0AK42  | 160210-02220 | 5330-01-324-8253                  | 26   | 4    |
| 0AK42  | 160642-21150 |                                   | 25   | 9    |
| 0AK42  | 160710-01760 |                                   | 17   | 1    |
| 0AK42  | 160725-78350 |                                   | 18   | 1    |
| 67209  | 21-106-13    | 4320-00-790-6357                  | 7    | 26   |
| 0AK42  | 22117-060000 | 5310-01-322-8696                  | 8    | 15   |
| 0AK42  | 22117-080000 |                                   | 8    | 3    |
| 0AK42  | 22137-080000 |                                   | 24   | 5    |
| 0AK42  | 22252-000190 | 5365-01-322-8679                  | 23   | 1    |
| 0AK42  | 22312-030080 |                                   | 23   | 10   |
| 0AK42  | 22312-030160 |                                   | 24   | 11   |
| 0AK42  | 22351-040008 |                                   | 20   | 22   |
| 0AK42  | 22451-060000 |                                   | 18   | 17   |

## CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER  | PART NUMBER INDEX |                  | FIG. | ITEM |
|-------|--------------|-------------------|------------------|------|------|
|       |              |                   | STOCK NUMBER     |      |      |
| 0AK42 | 22512-040120 |                   |                  | 25   | 8    |
| 0AK42 | 23871-010000 |                   |                  | 22   | 3    |
| 0AK42 | 23887-120002 |                   | 5340-01-323-7785 | 8    | 10   |
| 0AK42 | 24101-062024 |                   | 3110-01-322-9532 | 25   | 2    |
| 0AK42 | 24101-062050 |                   | 3110-01-324-8815 | 26   | 10   |
| 0AK42 | 24162-152112 |                   | 3110-01-324-8817 | 26   | 7    |
| 0AK42 | 24311-000180 |                   | 5330-01-323-2728 | 17   | 2    |
| 0AK42 | 24341-000150 |                   | 5330-01-325-5810 | 8    | 20   |
| 0AK42 | 24341-000224 |                   | 5330-01-326-8017 | 16   | 3    |
| 0AK42 | 26106-060082 |                   | 5305-01-163-5075 | 11   | 4    |
|       |              |                   |                  | 12   | 1    |
| 0AK42 | 26106-060122 |                   |                  | 11   | 1    |
|       |              |                   |                  | 12   | 3    |
| 0AK42 | 26106-060162 |                   |                  | 16   | 1    |
| 0AK42 | 26106-060202 |                   |                  | 18   | 4    |
| 0AK42 | 26106-060252 |                   | 5305-01-255-6548 | 10   | 10   |
|       |              |                   |                  | 22   | 10   |
| 0AK42 | 26106-060552 |                   | 5306-01-323-5440 | 19   | 2    |
| 0AK42 | 26106-080122 |                   |                  | 26   | 8    |
| 0AK42 | 26106-080352 |                   |                  | 22   | 11   |
| 0AK42 | 26106-080452 |                   |                  | 8    | 1    |
|       |              |                   |                  | 20   | 5    |
| 0AK42 | 26116-040088 |                   |                  | 18   | 9    |
| 0AK42 | 26216-080182 |                   |                  | 20   | 23   |
| 0AK42 | 26226-060142 |                   |                  | 10   | 8    |
| 0AK42 | 26226-060182 |                   |                  | 22   | 8    |
| 0AK42 | 26226-060222 |                   |                  | 22   | 9    |
| 0AK42 | 26226-060502 |                   | 5307-01-323-5503 | 20   | 25   |
| 0AK42 | 26226-060552 |                   | 5307-01-323-5504 | 20   | 24   |
| 0AK42 | 26346-060002 |                   |                  | 18   | 2    |
| 0AK42 | 26366-060002 |                   |                  | 8    | 16   |
|       |              |                   |                  | 10   | 7    |
|       |              |                   |                  | 20   | 1    |
|       |              |                   |                  | 22   | 4    |
| 0AK42 | 26366-080002 |                   | 5310-01-322-8607 | 11   | 2    |
| 0AK42 | 26476-060142 |                   |                  | 8    | 5    |
|       |              |                   |                  | 13   | 6    |
|       |              |                   |                  | 18   | 3    |
|       |              |                   |                  | 24   | 7    |
| 0AK42 | 26476-060252 |                   | 5305-01-069-8235 | 13   | 1    |
| 0AK42 | 26696-100002 |                   |                  | 18   | 14   |
| 0AK42 | 26756-060002 |                   |                  | 18   | 12   |
|       |              |                   |                  | 20   | 8    |
|       |              |                   |                  | 20   | 11   |
| 0AK42 | 43400-500490 |                   | 5330-01-326-2669 | 22   | 2    |
| 0AK42 | 714250-11570 |                   | 2815-01-323-1352 | 20   | 15   |
| 0AK42 | 714250-22502 |                   |                  | 23   | 4    |
| 0AK42 | 714250-23600 |                   | 3120-01-322-9560 | 23   | 9    |
| 0AK42 | 714250-23703 |                   | 2815-01-323-0351 | 23   | 5    |
| 0AK42 | 714250-53101 |                   | 2910-01-310-4522 | 14   | 1    |
| 0AK42 | 714250-55711 |                   |                  | 8    | 7    |

## CROSS-REFERENCE INDEXES

| CAGEC | PART NUMBER  | PART NUMBER INDEX |                     | FIG. | ITEM |
|-------|--------------|-------------------|---------------------|------|------|
|       |              |                   | STOCK NUMBER        |      |      |
| 0AK42 | 714250-61500 |                   |                     | 24   | 1    |
| 0AK42 | 714260-76810 |                   |                     | 12   | 2    |
| 0AK42 | 714268-12581 |                   |                     | 10   | 1    |
| 0AK42 | 714268-66500 |                   |                     | 18   | 7    |
| 0AK42 | 714270-11660 |                   |                     | 20   | 6    |
| 0AK42 | 714271-01560 |                   |                     | 26   | 11   |
| 0AK42 | 714280-22720 |                   | 2815-01-353-9785    | 23   | 3    |
| 0AK42 | 714288-21700 |                   | 2815-01-348-5889    | 25   | 7    |
| 0AK42 | 714770-28510 |                   |                     | 25   | 1    |
| 0AK42 | 714770-61700 |                   | 2990-01-353-7531 :: | 24   | 6    |
| 0AK42 | 714780-14580 |                   | 2815-01-348-5888    | 25   | 3    |
| 0AK42 | 783250-51740 |                   |                     | 15   | 1    |



## CROSS-REFERENCE INDEXES

| FIG. | ITEM | FIGURE AND ITEM NUMBER INDEX<br>STOCK NUMBER | CAGEC | PART NUMBER     |
|------|------|--|-------|-----------------|
| 1    | 1    | 5320-01-004-0238                             | 81349 | M24243/1D402    |
| 1    | 2    |  | 97403 | 13229E6784      |
| 1    | 3    |  | 97403 | 13229E9714      |
| 1    | 4    | 5305-00-543-4372                             | 80204 | B1821BH038C075N |
| 1    | 5    |  | 97403 | 13229E9682      |
| 1    | 6    |  | 97403 | 13229E9681      |
| 1    | 7    |  | 96906 | 13229E9713      |
| 1    | 8    |  | 97403 | 13229E9688      |
| 1    | 9    | 5325-00-582-3601                             | 96906 | MS35489-38      |
| 1    | 10   |  | 97403 | 13229E9694      |
| 1    | 11   |  | 97403 | 13229E9691      |
| 1    | 12   |  | 97403 | 13229E9712      |
| 1    | 13   | 4730-00-908-3194                             | 96906 | MS35842-11      |
| 1    | 14   |  | 97403 | 13229E9693      |
| 1    | 15   |  | 97403 | 13229E9689      |
| 1    | 16   |  | 97403 | 13229E9689/2    |
| 1    | 17   |  | 97403 | 13229E9689/1    |
| 1    | 18   | 5320-01-004-0238                             | 81349 | M24243/1D402    |
| 1    | 19   |  | 97403 | 13229E9699      |
| 1    | 20   | 4820-00-276-9041                             | 96906 | MS35782-6       |
| 1    | 21   |  | 96906 | MS39233-3B      |
| 1    | 22   |  | 96906 | MS51953-64      |
| 1    | 23   |  | 81348 | WWP471AASBCC    |
| 1    | 24   |  | 97403 | 13229E6790-2    |
| 1    | 25   |  | 97403 | 13229E6786-2    |
| 1    | 26   |  | 97403 | 13229E6792-3    |
| 1    | 27   |  | 97403 | 13229E9686      |
| 1    | 28   |  | 97403 | 13229E9687      |
| 2    | 1    |  | 96906 | 13229E9714      |
| 2    | 2    |  | 97403 | 13229E9679      |
| 2    | 3    | 5320-01-004-0238                             | 81349 | M24243/1D402    |
| 2    | 4    |  | 81349 | M24243/1D602    |
| 2    | 5    | 5320-00-850-3233                             | 81349 | M24243/1D604    |
| 2    | 6    |  | 97403 | 13229E6787      |
| 2    | 7    |  | 81349 | M24243/1D403    |
| 2    | 8    |  | 97403 | 13229E6788      |
| 2    | 9    | 5340-01-055-4939                             | 96906 | MS35825-1OE     |
| 2    | 10   |  | 97403 | 13229E9679/3    |
| 2    | 11   |  | 97403 | 13229E9710      |
| 2    | 12   |  | 97403 | 13229E9679/5    |
| 2    | 13   |  | 97403 | 13229E9679/4    |
| 2    | 14   |  | 97403 | 13229E9679/1    |
| 2    | 15   |  | 97403 | 13229E9679/2    |
| 2    | 16   |  | 97403 | 13229E9679/17   |
| 2    | 17   |  | 97403 | 13229E9711      |
| 2    | 18   |  | 97403 | 13229E9679/15   |
| 2    | 19   |  | 97403 | 13229E9679/16   |
| 2    | 20   |  | 97403 | 13229E9679/12   |
| 2    | 21   |  | 97403 | 13229E9679/14   |
| 2    | 22   |  | 97403 | 13229E9679/13   |
| 2    | 23   |  | 97403 | 13229E9679/18   |

## CROSS-REFERENCE INDEXES

| FIG. | ITEM | FIGURE AND ITEM NUMBER INDEX<br>STOCK NUMBER | CAGEC | PART NUMBER     |
|------|------|--|-------|-----------------|
| 2    | 24   |  | 97403 | 13229E9679/23   |
| 2    | 25   |  | 97403 | 13229E9679/22   |
| 2    | 26   |  | 97403 | 13229E9679/21   |
| 2    | 27   |  | 97403 | 13229E9679/20   |
| 2    | 28   |  | 97403 | 13229E9679/24   |
| 2    | 29   |  | 97403 | 13229E9679/25   |
| 2    | 30   |  | 97403 | 13229E9707      |
| 2    | 31   |  | 97403 | 13229E9702      |
| 2    | 32   |  | 97403 | 13229E9708      |
| 2    | 33   |  | 97403 | 13229E9703      |
| 2    | 34   |  | 97403 | 13229E9706      |
| 2    | 35   |  | 97403 | 13229E9709      |
| 3    | 1    |  | 97403 | 13229E9680      |
| 3    | 2    | 5320-01-004-0238                             | 81349 | M24243/1D402    |
| 3    | 3    |  | 97403 | 13229E9680/3    |
| 3    | 4    |  | 81349 | M24243/1D602    |
| 3    | 5    |  | 97403 | 13229E9680/1    |
| 3    | 6    |  | 97403 | 13229E9680/2    |
| 3    | 7    |  | 97403 | 13229E9680/19   |
| 3    | 8    |  | 97403 | 13229E9680/8    |
| 3    | 9    |  | 97403 | 13229E9680/9    |
| 3    | 10   |  | 97403 | 13229E9680/10   |
| 3    | 11   |  | 97403 | 13229E9680/12   |
| 3    | 12   |  | 97403 | 13229E9680/11   |
| 3    | 13   |  | 97403 | 13229E9680/7    |
| 3    | 14   |  | 97403 | 13229E9707      |
| 3    | 15   |  | 97403 | 13229E9700      |
| 3    | 16   |  | 97403 | 13229E9697      |
| 3    | 17   |  | 97403 | 13229E9701      |
| 3    | 18   |  | 97403 | 13229E9705      |
| 3    | 19   |  | 97403 | 13229E9704      |
| 3    | 20   |  | 97403 | 13229E9684      |
| 3    | 21   |  | 97403 | 13229E9684/5    |
| 3    | 22   |  | 97403 | 13229E9684/3    |
| 3    | 23   |  | 97403 | 13229E9684/4    |
| 3    | 24   |  | 97403 | 13229E9711      |
| 3    | 25   |  | 97403 | 13229E9684/6    |
| 3    | 26   |  | 97403 | 13229E9684/1-   |
| 4    | 1    |  | 97403 | 13229E9717      |
| 4    | 2    | 4730-00-196-1533                             | 96906 | MS51953-174     |
| 4    | 3    |  | 97403 | 13229E9716      |
| 4    | 4    |  | 97403 | 13230E5325      |
| 4    | 5    | 4730-00-595-0672                             | 96906 | MS39233-8B      |
| 4    | 6    | 4730-00-287-3790                             | 96906 | MS51953-179     |
| 5    | 1    |  | 96906 | MS17829Z6C      |
| 5    | 2    |  | 97403 | 13229E9696      |
| 5    | 3    |  | 80204 | B1821BH038CZOON |
| 5    | 4    | 5340-00-792-8233                             | 97403 | 13200E8819      |
| 5    | 5    |  | 96906 | MS51967-8       |
| 5    | 6    | 5310-00-080-6004                             | 96906 | MS27183-14      |
| 5    | 7    | S5310-00-809-4061                            | 96906 | MS27183-15      |

## CROSS-REFERENCE INDEXES

| FIG. | ITEM | FIGURE AND ITEM NUMBER INDEX<br>STOCK NUMBER | CAGEC | PART NUMBER     |
|------|------|--|-------|-----------------|
| 5    | 8    |  | 97403 | 13229E9715      |
| 5    | 9    |  | 97403 | 13229E9685      |
| 5    | 10   | 5306-01-114-0963                             | 80204 | B1821BHO38CIOOL |
| 5    | 11   |  | 97403 | 13229E9690      |
| 5    | 12   |  | 97403 | 13229E9683      |
| 5    | 13   |  | 97403 | 13229E9683/1    |
| 5    | 14   | 5320-00-850-3233                             | 81349 | M24243/1D604    |
| 5    | 15   |  | 97403 | 13229E9698      |
| 6    | 1    |  | 97403 | 13229E9695      |
| 6    | 2    |  | 80204 | B1867BD080250   |
| 6    | 3    | 5310-00-407-9566                             | 96906 | MS35338-45      |
| 6    | 4    |  | 97403 | 13230E5324      |
| 6    | 5    |  | 0AK42 | L40AE-D-SPI     |
| 7    | 1    | 5310-00-880-7746                             | 96906 | MS51968-5       |
| 7    | 2    | 5310-00-407-9566                             | 96906 | MS35338-45      |
| 7    | 3    |  | 80205 | NAS183-5-8A     |
| 7    | 4    | 4320-00-103-8199                             | 97403 | 13200E7224      |
| 7    | 5    |  | 96906 | MS35216-69      |
| 7    | 6    |  | 97403 | 13200E7228      |
| 7    | 7    |  | 97403 | 13200E72?7      |
| 7    | 8    | 4730-00-247-6414                             | 97403 | 13200E7225      |
| 7    | 9    |  | 97403 | 13200E7226      |
| 7    | 10   | 5306-00-686-5722                             | 97403 | 13200E7212      |
| 7    | 11   |  | 97403 | 13200E7203      |
| 7    | 12   | 5330-00-527-8116                             | 96906 | MS29513-252     |
| 7    | 13   | 5310-00-851-2674                             | 96906 | MS35691-1       |
| 7    | 14   |  | 80205 | NAS1515H4       |
| 7    | 15   | 5305-00-723-9379                             | 96906 | MS51963-71      |
| 7    | 16   |  | 97403 | 13200E7213      |
| 7    | 17   | 5305-00-225-9092                             | 96906 | MS90726-37      |
| 7    | 18   | 5310-01-077-3906                             | 97403 | 13214E9380-5    |
| 7    | 19   | 5315-00-985-3690                             | 80205 | NAS558-606-10   |
| 7    | 20   |  | 97403 | 13200E7204      |
| 7    | 21   | 5305-00-957-6652                             | 96906 | MS35198-67      |
| 7    | 22   | 4320-00-790-6358                             | 97403 | 13200E7214      |
| 7    | 23   |  | 81349 | 13229E9876-1    |
| 7    | 24   |  | 97403 | 13229E9876-2    |
| 7    | 25   |  | 97403 | 13229E9&77      |
| 7    | 26   | 4320-00-790-6357                             | 67209 | 21-106-13       |
| 7    | 27   | 5330-00-248-3837                             | 96906 | MS29513-110     |
| 7    | 28   |  | 96906 | MS20913-6J      |
| 7    | 29   |  | 97403 | 13200E7202      |
| 8    | 1    |  | 0AK42 | 26106-080452    |
| 8    | 2    |  | 0AK42 | 114650-55810    |
| 8    | 3    |  | 0AK42 | 22117-080000    |
| 8    | 4    |  | 0AK42 | 114250-55231    |
| 8    | 5    |  | 0AK42 | 26476-060142    |
| 8    | 6    |  | 0AK42 | 114250-55211    |
| 8    | 7    |  | 0AK42 | 714250-55711    |
| 8    | 8    |  | 0AK42 | 114250-55201    |
| 8    | 9    |  | 0AK42 | 114250-55041    |

## CROSS-REFERENCE INDEXES

| FIG. | ITEM | FIGURE AND ITEM NUMBER INDEX<br>STOCK NUMBER | CAGEC | PART NUMBER  |
|------|------|--|-------|--------------|
| 8    | 10   | 5340-01-323-7785                             | 0AK42 | 23887-120002 |
| 8    | 11   | 4240-01-328-4878                             | 0AK42 | 114250-55100 |
| 8    | 12   | 5340-01-323-7844                             | 0AK42 | 124722-59050 |
| 8    | 13   |  | 0AK42 | 114250-55150 |
| 8    | 14   | 5310-01-323-2683                             | 0AK42 | 114252-55800 |
| 8    | 15   | 5310-01-322-8696                             | 0AK42 | 22117-060000 |
| 8    | 16   |  | 0AK42 | 26366-060002 |
| 8    | 17   |  | 0AK42 | 114250-55120 |
| 8    | 18   | 5330-01-318-8200                             | 0AK42 | 114250-55130 |
| 8    | " 19 | 4820-01-323-5034                             | 0AK42 | 114250-55300 |
| 8    | 20   | 5330-01-325-5810                             | 0AK42 | 24341-000150 |
| 9    | 1    | 5340-01-323-7845                             | 0AK42 | 106990-44660 |
| 9    | 2    |  | 0AK42 | 114250-59050 |
| 9    | 3    | 340-01-323-7844                              | 0AK42 | 124722-59050 |
| 9    | 4    |  | 0AK42 | 114250-59060 |
| 9    | 5    |  | 0AK42 | 114250-59800 |
| 10   | 1    |  | 0AK42 | 714268-12581 |
| 10   | 2    | 5310-01-327-0778                             | 0AK42 | 114250-12550 |
| 10   | 3    | 5310-01-322-8747                             | 0AK42 | 114250-12560 |
| 10   | 4    | 5340-01-323-7879                             | 0AK42 | 114250-12520 |
| 10   | 5    | 2940-01-310-4495                             | 0AK42 | 114250-12580 |
| 10   | 6    |  | 0AK42 | 114250-12980 |
| 10   | 7    |  | 0AK42 | 26366-060002 |
| 10   | 8    |  | 0AK42 | 26226-060142 |
| 10   | 9    | 5330-01-326-4773                             | 0AK42 | 114250-12210 |
| 10   | 10   | 5305-01-255-6548                             | 0AK42 | 26106-060252 |
| 10   | 11   |  | 0AK42 | 114250-12010 |
| 10   | 12   | 330-01-324-8287                              | 0AK42 | 114250-12200 |
| 11   | 1    |  | 0AK42 | 26106-060122 |
| 11   | 2    | 5310-01-322-8607                             | 0AK42 | 26366-080002 |
| 11   | 3    | 5330-01-326-4780                             | 0AK42 | 114250-13200 |
| 11   | 4    | 5305-01-163-5075                             | 0AK42 | 26106-060082 |
| 11   | 5    |  | 0AK42 | 114770-13560 |
| 12   | 1    | 305-01-163-5075                              | 0AK42 | 26106-060082 |
| 12   | 2    |  | 0AK42 | 714260-76810 |
| 12   | 3    |  | 0AK42 | 26106-060122 |
| 12   | 4    |  | 0AK42 | 114250-76590 |
| 13   | .1   | 5305-01-069-8235                             | 0AK42 | 26476-060252 |
| 13   | 2    | 5340-01-323-7866                             | 0AK42 | 114250-45310 |
| 13   | 3    | 2815-01-324-9200                             | 0AK42 | 114250-45300 |
| 13   | 4    |  | 0AK42 | 114780-45100 |
| 13   | 5    | 330-01-330-9564                              | 0AK42 | 114650-45330 |
| 13   | 6    |  | 0AK42 | 26476-060142 |
| 13   | 7    |  | 0AK42 | 114250-45211 |
| 14   | 1    | 910-01-310-4522                              | 0AK42 | 714250-53101 |
| 15   | 1    |  | 0AK42 | 783250-51740 |
| 16   | 1    |  | 0AK42 | 26106-060162 |
| 16   | 2    |  | 0AK42 | 114250-35070 |
| 16   | 3    | 330-01-326-8017                              | 0AK42 | 24341-000224 |
| 17   | 1    |  | 0AK42 | 160710-01760 |
| 17   | 2    | 330-01-323-2728                              | 0AK42 | 24311-000180 |

## CROSS-REFERENCE INDEXES

| FIG. | ITEM | FIGURE AND ITEM NUMBER INDEX<br>STOCK NUMBER | CAGEC | PART NUMBER  |
|------|------|--|-------|--------------|
| 18   | 1    |  | 0AK42 | 160725-78350 |
| 18   | 2    |  | 0AK42 | 26346-060002 |
| 18   | 3    |  | 0AK42 | 26476-060142 |
| 18   | 4    |  | 0AK42 | 26106-060202 |
| 18   | 5    |  | 0AK42 | 114250       |
| 18   | 6    |  | 0AK42 | 114770-66010 |
| 18   | 7    |  | 0AK42 | 714268-66500 |
| 18   | 8    |  | 0AK42 | 114250-66050 |
| 18   | 9    |  | 0AK42 | 26116-040088 |
| 18   | 10   |  | 0AK42 | 102100-67080 |
| 18   | 11   |  | 0AK42 | 114250-66440 |
| 18   | 12   |  | 0AK42 | 26756-060002 |
| 18   | 13   |  | 0AK42 | 114252-66252 |
| 18   | 14   |  | 0AK42 | 26696-100002 |
| 18   | 15   |  | 0AK42 | 114250-66550 |
| 18   | 16   |  | 0AK42 | 135210-61090 |
| 18   | 17   |  | 0AK42 | 22451-060000 |
| 19   | 1    |  | 0AK42 | 114250-76600 |
| 19   | 2    | 5306-01-323-5440                             | 0AK42 | 26106-060552 |
| 19   | 3    |  | 0AK42 | 114250-76610 |
| 19   | 4    |  | 0AK42 | 114250-11951 |
| 19   | 5    | 5330-01-326-8022                             | 0AK42 | 114250-11310 |
| 20   | 1    |  | 0AK42 | 26366-060002 |
| 20   | 2    | 2815-01-324-6801                             | 0AK42 | 114250-11900 |
| 20   | 3    | 5365-01-322-8692                             | 0AK42 | 114350-11470 |
| 20   | 4    | 5330-01-326-8021                             | 0AK42 | 114250-11460 |
| 20   | 5    |  | 0AK42 | 26106-080452 |
| 20   | 6    |  | 0AK42 | 714270-11660 |
| 20   | 7    |  | 0AK42 | 114250-11240 |
| 20   | 8    |  | 0AK42 | 26756-060002 |
| 20   | 9    |  | 0AK42 | 119260-11370 |
| 20   | 10   |  | 0AK42 | 114250-11651 |
| 20   | 11   |  | 0AK42 | 26756-060002 |
| 20   | 12   |  | 0AK42 | 114250-11240 |
| 20   | 13   |  | 0AK42 | 119260-11370 |
| 20   | 14   |  | 0AK42 | 114250-11290 |
| 20   | 15   | 2815-01-323-1352                             | 0AK42 | 714250-11570 |
| 20   | 16   | 5340-01-324-8850                             | 0AK42 | 114250-11180 |
| 20   | 17   |  | 0AK42 | 114250-11120 |
| 20   | 18   | 5330-01-324-8831                             | 0AK42 | 114250-11340 |
| 20   | 19   |  | 0AK42 | 114250-11600 |
| 20   | 20   | 2815-01-323-0290                             | 0AK42 | 114250-11101 |
| 20   | 21   |  | 0AK42 | 114250-11113 |
| 20   | 22   |  | 0AK42 | 22351-040008 |
| 20   | 23   |  | 0AK42 | 26216-080182 |
| 20   | 24   | 5307-01-323-5504                             | 0AK42 | 26226-060552 |
| 20   | 25   | 5307-01-323-5503                             | 0AK42 | 26226-060502 |
| 20   | 26   |  | 0AK42 | 114250-11020 |
| 20   | 27   |  | 0AK42 | 114250-01340 |
| 20   | 28   |  | 0AK42 | 114250-01380 |
| 20   | 29   |  | 0AK42 | 114250-01220 |

## CROSS-REFERENCE INDEXES

| FIG. | ITEM | FIGURE AND ITEM NUMBER INDEX<br>STOCK NUMBER | CAGEC | PART NUMBER  |
|------|------|--|-------|--------------|
| 20   | 30   |  | 0AK42 | 114250-01250 |
| 20   | 31   |  | 0AK42 | 124950-01250 |
| 21   | 1    |  | 0AK42 | 103854-01221 |
| 21   | 2    |  | 0AK42 | 114250-21550 |
| 21   | 3    |  | 0AK42 | 114780-21400 |
| 22   | 1    |  | 0AK42 | 105425-01690 |
| 22   | 2    | 5330-01-326-2669                             | 0AK42 | 43400-500490 |
| 22   | 3    |  | 0AK42 | 23871-010000 |
| 22   | 4    |  | 0AK42 | 26366-060002 |
| 22   | 5    |  | 0AK42 | 114250-01830 |
| 22   | 6    |  | 0AK42 | 114250-01840 |
| 22   | 7    |  | 0AK42 | 114250-01800 |
| 22   | 8    |  | 0AK42 | 26226 060182 |
| 22   | 9    |  | 0AK42 | 26226-060222 |
| 22   | 10   | 5305-01-255-6548                             | 0AK42 | 26106-060252 |
| 22   | 11   |  | 0AK42 | 26106-080352 |
| 22   | 12   |  | 0AK42 | 114250-35150 |
| 22   | 13   |  | 0AK42 | 114260-01453 |
| 22   | 14   | 5330-01-353-6007                             | 0AK42 | 114250-01412 |
| 23   | 1    | 5365-01-322-8679                             | 0AK42 | 22252-000190 |
| 23   | 2    | 2815-01-323-0286                             | 0AK42 | 114250-22302 |
| 23   | 3    | 2815-01-353-9785                             | 0AK42 | 714280-22720 |
| 23   | 4    |  | 0AK42 | 714250-22502 |
| 23   | 5    | 2815-01-323-0351                             | 0AK42 | 714250-23703 |
| 23   | 6    |  | 0AK42 | 114250-23220 |
| 23   | 7    |  | 0AK42 | 114250-23250 |
| 23   | 8    |  | 0AK42 | 114250-23200 |
| 23   | 9    | 3120-01-322-9560                             | 0AK42 | 714250-23600 |
| 23   | 10   |  | 0AK42 | 22312-030080 |
| 24   | 1    |  | 0AK42 | 714250-61500 |
| 24   | 2    |  | 0AK42 | 114770-61610 |
| 24   | 3    |  | 0AK42 | 114770-61600 |
| 24   | 4    | 3110-01-324-5719                             | 0AK42 | 121450-61520 |
| 24   | 5    |  | 0AK42 | 22137-080000 |
| 24   | 6    | 2990-01-353-7531                             | 0AK42 | 714770-61700 |
| 24   | 7    |  | 0AK42 | 26476-060142 |
| 24   | 8    |  | 0AK42 | 114250-32070 |
| 24   | 9    | 5330-01-324-8279                             | 0AK42 | 103338-32570 |
| 24   | 10   | 4320-01-323-0298                             | 0AK42 | 114250-32010 |
| 24   | 11   |  | 0AK42 | 22312-030160 |
| 25   | 1    |  | 0AK42 | 714770-28510 |
| 25   | 2    | 3110-01-322-9532                             | 0AK42 | 24101-062024 |
| 25   | 3    | 2815-01-348-5888                             | 0AK42 | 714780-14580 |
| 25   | 4    |  | 0AK42 | 114250-14450 |
| 25   | 5    | 2815-01-323-0352                             | 0AK42 | 114250-14200 |
| 25   | 6    | 2815-01-323-0353                             | 0AK42 | 114250-14260 |
| 25   | 7    | 2815-01-348-5889                             | 0AK42 | 714288-21700 |
| 25   | 8    |  | 0AK42 | 22512-040120 |
| 25   | 9    |  | 0AK42 | 160642-21150 |
| 26   | 1    |  | 0AK42 | 114250-01200 |
| 26   | 2    |  | 0AK42 | 114250-01210 |

## CROSS-REFERENCE INDEXES


| FIG. | ITEM | FIGURE AND ITEM NUMBER INDEX<br>STOCK NUMBER | CAGEC | PART NUMBER  |
|------|------|--|-------|--------------|
| 26   | 3    | 5330-01-324-8254                             | 0AK42 | 160110-02220 |
| 26   | 4    | 5330-01-324-8253                             | 0AK42 | 160210-02220 |
| 26   | 5    |  | 0AK42 | 114250-02113 |
| 26   | 6    | 3120-01-324-5762                             | 0AK42 | 114250-02100 |
| 26   | 7    | 3110-01-324-8817                             | 0AK42 | 24162-152112 |
| 26   | 8    |  | 0AK42 | 26106-080122 |
| 26   | 9    |  | 0AK42 | 114250-02030 |
| 26   | 10   | 3110-01-324-8815                             | 0AK42 | 24101-062050 |
| 26   | 11   |  | 0AK42 | 714271-01560 |
| 99   | 1    |  | 97403 | 13229E9692-1 |
| 99   | 2    |  | 97403 | 13229E9692-2 |
| 99   | 3    |  | 97403 | 13229E9692-3 |

TM 10-4320-316-24P

By Order of the Secretary of the Army:

GORDON R. SULLIVAN  
*General, United States Army*  
*Chief of Staff*

Official:


  
MILTON H. HAMILTON  
*Administrative Assistant to the*  
*Secretary of the Army*

DISTRIBUTION:

To be distributed in accordance with DA Form 12-25-E, block no. 6208,  
requirements for TM 10-4320-316-24P.



RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

|  |            |  |           |
|--|------------|--|-----------|
|  <div style="border: 1px solid black; border-radius: 15px; padding: 5px; display: inline-block; margin-left: 20px;"> <p style="font-size: small; margin: 0;">THEN...JOT DOWN THE<br/>DOPE ABOUT IT ON THIS FORM.<br/>CAREFULLY TEAR IT OUT, FOLD IT<br/>AND DROP IT IN THE MAIL.</p> </div> |            | SOMETHING WRONG WITH PUBLICATION           |           |
|  |            | FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS) |           |
| PUBLICATION NUMBER   |            | DATE SENT                                  |           |
| PUBLICATION DATE   |            | PUBLICATION TITLE                          |           |
| IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT.  |            |  |           |
| BE EXACT PIN-POINT WHERE IT IS   |            |  |           |
| PAGE NO.   | PARA-GRAPH | FIGURE NO.                                 | TABLE NO. |
|  |            |  |           |
| PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER  |            | SIGN HERE                                  |           |

## The Metric System and Equivalents

### *Linear Measure*

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

### *Weights*

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

### *Liquid Measure*

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

### *Square Measure*

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

### *Cubic Measure*

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

### Approximate Conversion Factors

| <i>To change</i> | <i>To</i>          | <i>Multiply by</i> | <i>To change</i>   | <i>To</i>     | <i>Multiply by</i> |
|------------------|--------------------|--------------------|--------------------|---------------|--------------------|
| inches           | centimeters        | 2.540              | ounce-inches       | Newton-meters | .007062            |
| feet             | meters             | .305               | centimeters        | inches        | .394               |
| yards            | meters             | .914               | meters             | feet          | 3.280              |
| miles            | kilometers         | 1.609              | meters             | yards         | 1.094              |
| square inches    | square centimeters | 6.451              | kilometers         | miles         | .621               |
| square feet      | square meters      | .093               | square centimeters | square inches | .155               |
| square yards     | square meters      | .836               | square meters      | square feet   | 10.764             |
| square miles     | square kilometers  | 2.590              | square meters      | square yards  | 1.196              |
| acres            | square hectometers | .405               | square kilometers  | square miles  | .386               |
| cubic feet       | cubic meters       | .028               | square hectometers | acres         | 2.471              |
| cubic yards      | cubic meters       | .765               | cubic meters       | cubic feet    | 35.315             |
| fluid ounces     | milliliters        | 29,573             | cubic meters       | cubic yards   | 1.308              |
| pints            | liters             | .473               | milliliters        | fluid ounces  | .034               |
| quarts           | liters             | .946               | liters             | pints         | 2.113              |
| gallons          | liters             | 3.785              | liters             | quarts        | 1.057              |
| ounces           | grams              | 28.349             | liters             | gallons       | .264               |
| pounds           | kilograms          | .454               | grams              | ounces        | .035               |
| short tons       | metric tons        | .907               | kilograms          | pounds        | 2.205              |
| pound-feet       | Newton-meters      | 1.356              | metric tons        | short tons    | 1.102              |
| pound-inches     | Newton-meters      | .11296             |                    |               |                    |

### Temperature (Exact)

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

