

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

	Page	Illus/ Figure
Section I. INTRODUCTION	1	
Section II. REPAIR PARTS LIST	1-1	
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

	Page	Illus/ Figure
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 Crankshaft Assembly	25-1	25
Cylinder Block	26-1	26
Group 99 Bulk Materials List	Bulk-1	Bulk
Section III. SPECIAL TOOL LIST		
Special Tools List	(Not Applicable)	
Section IV. CROSS-REFERENCE INDEXES		
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).

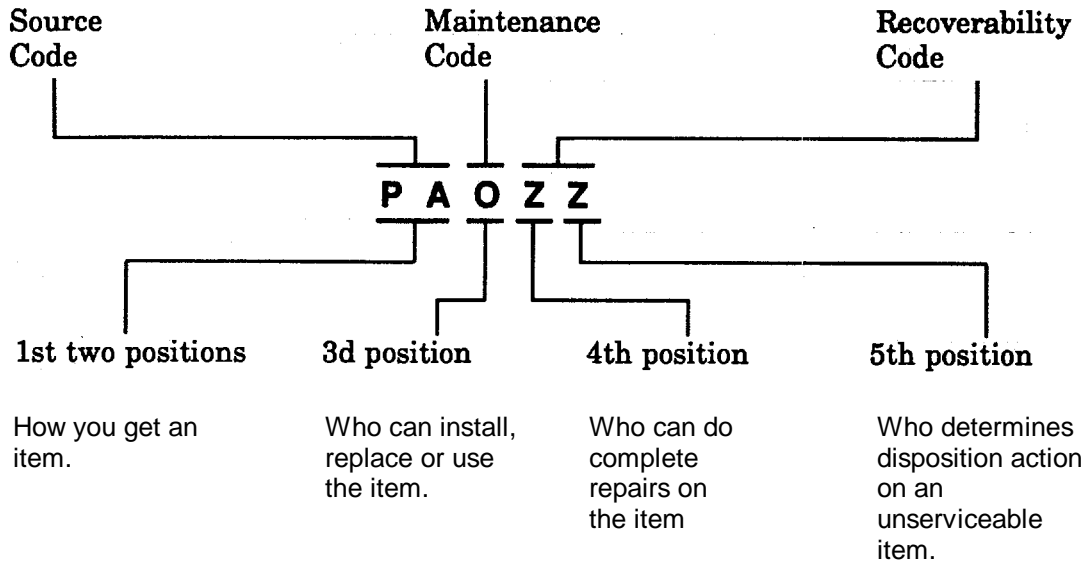
b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

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
<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; padding: 5px; display: inline-block;"> PA PB PC** PD PE PF PG </div>	Stocked Items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code. ** NOTE: Items coded PC are subject to deterioration.
<div style="border-left: 1px solid black; border-right: 1px solid black; border-bottom: 1px solid black; padding: 5px; display: inline-block;"> KD KF KB </div>	Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.

Code	Explanation
<p>MO - (Made at UNIT/AVUM Level) MF - (Made at DS/AVUM Level) MH - (Made at GS Level) ML - (Made at Specialized Repair Activity (SRA)) MD - (Made at Depot)</p>	<p>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.</p>

Code	Explanation
<p>AO - (Assembled by UNIT/AVUM Level) AF - (Assembled by DS/AVUM Level) AH - (Assembled by GS Level) AL - (Assembled by SRA) AD - (Assembled by Depot) higher level of maintenance.</p>	<p>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</p>

Code	Explanation
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.

Code	Application/Explanation
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.

Code	Application/Explanation
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.

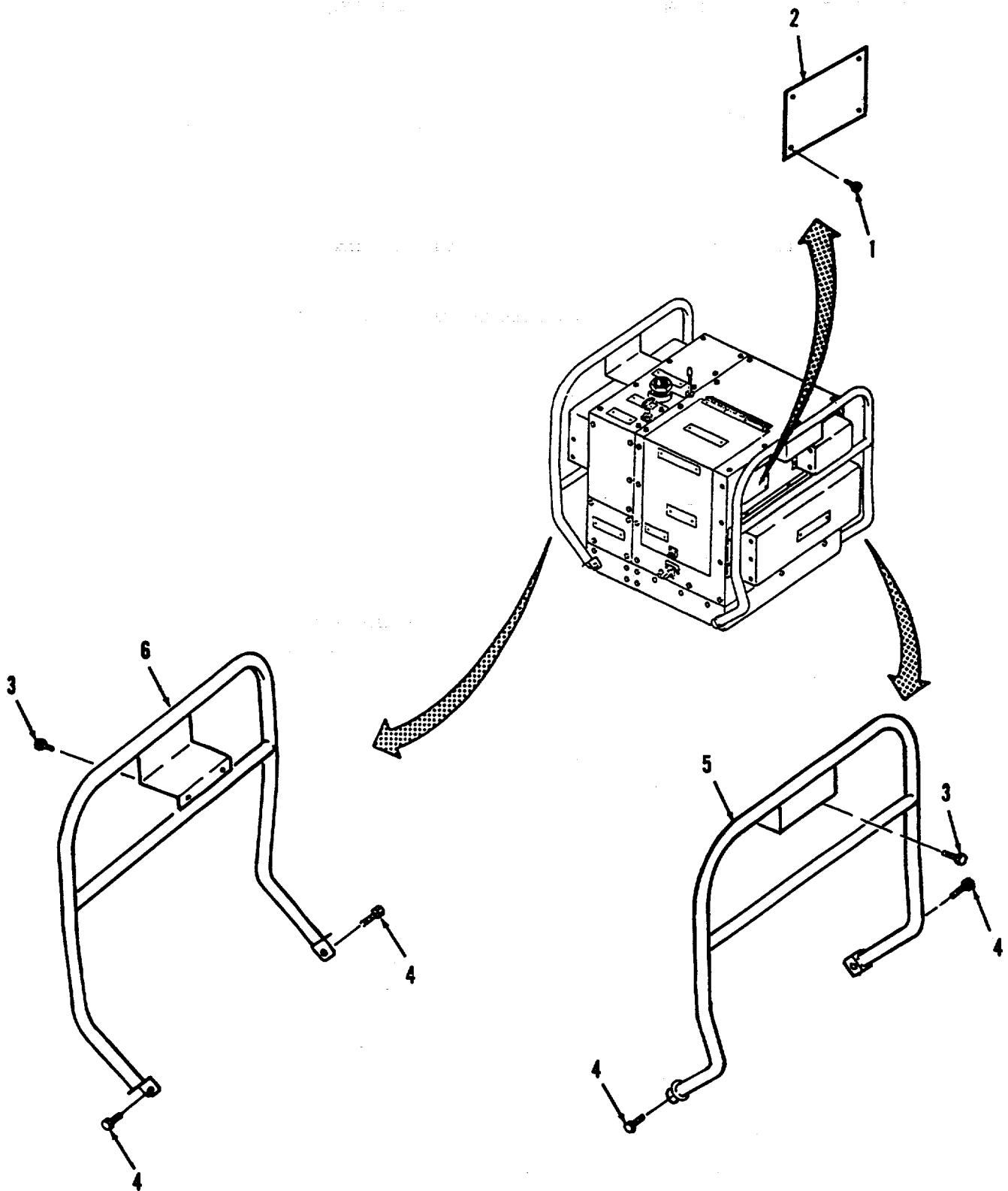


Figure 1. Enclosure Assembly (Sheet 1 of 4)

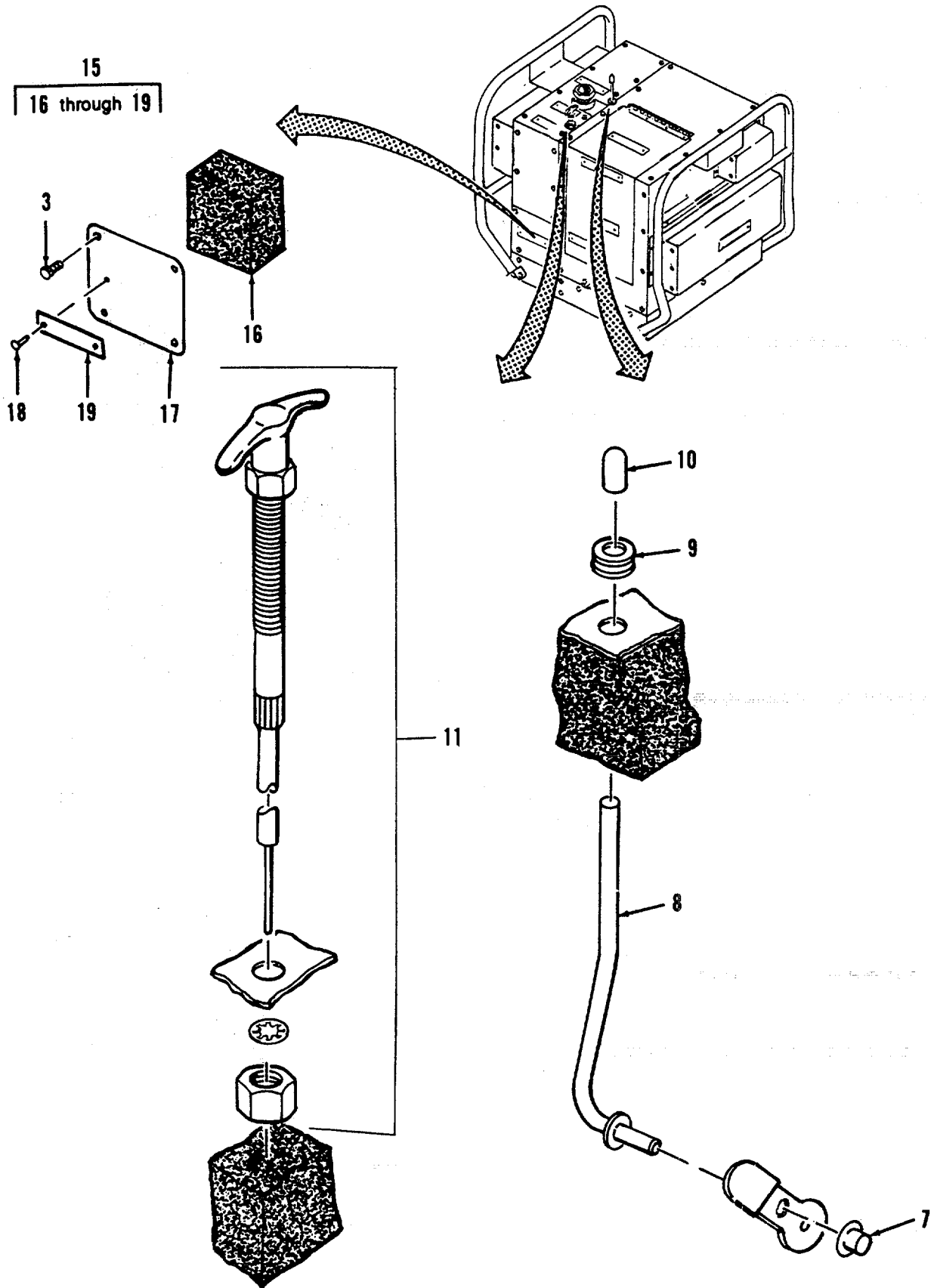


Figure 1. Enclosure Assembly (Sheet 2 of 4)

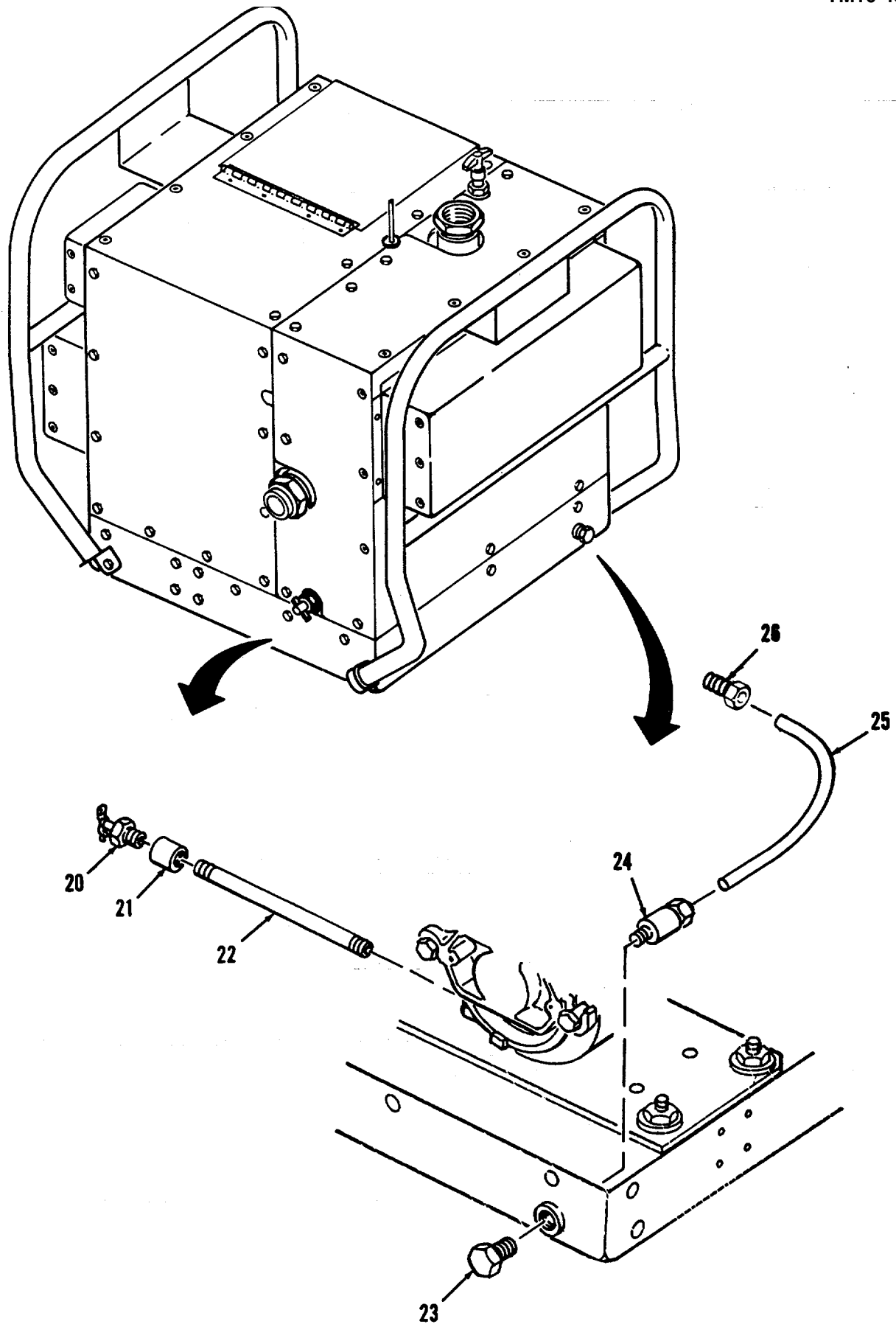


Figure 1. Enclosure Assembly (Sheet 3 of 4)

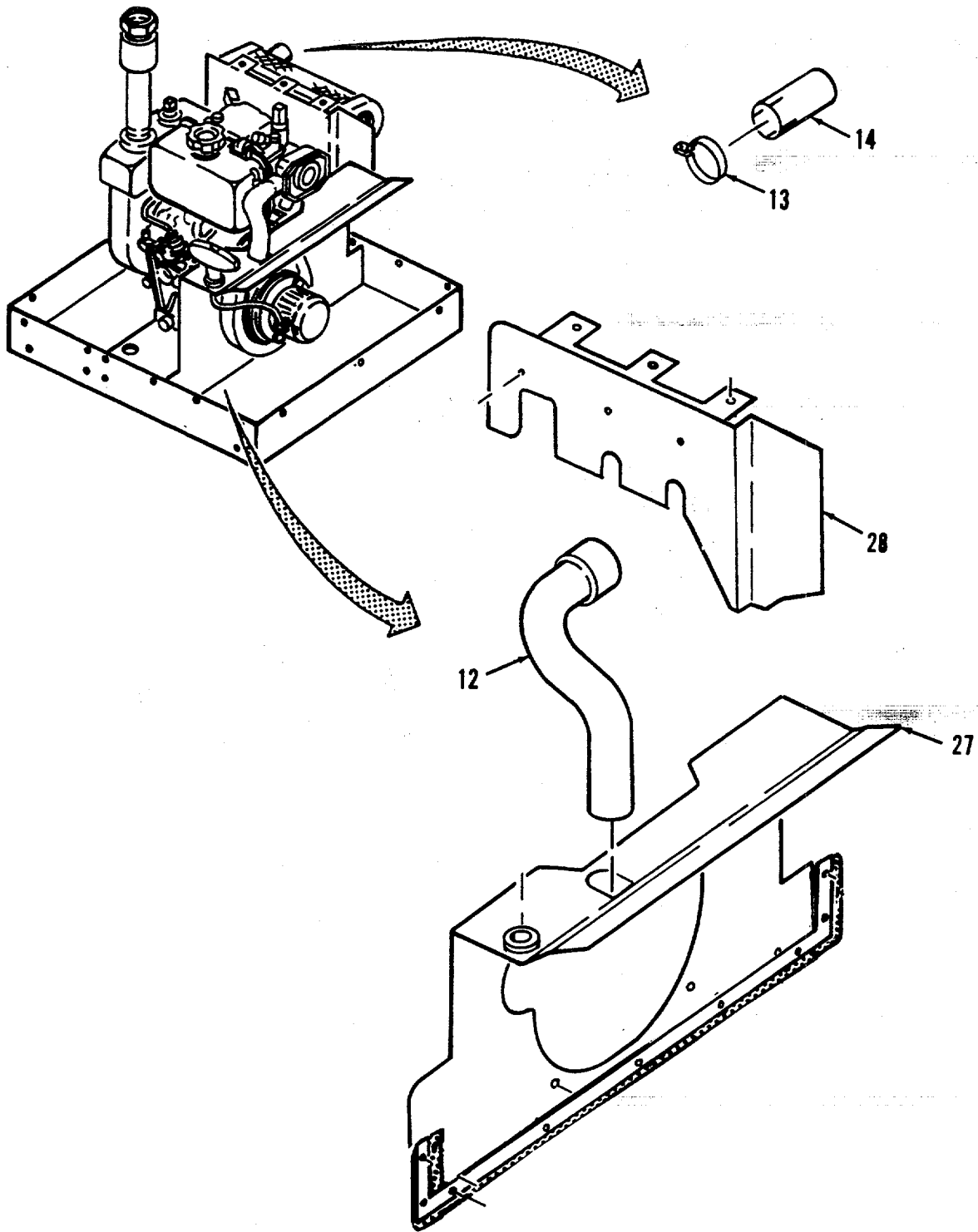


Figure 1. Enclosure Assembly (Sheet 4 of 4)

SECTION II

TM10-4320-316-24P

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

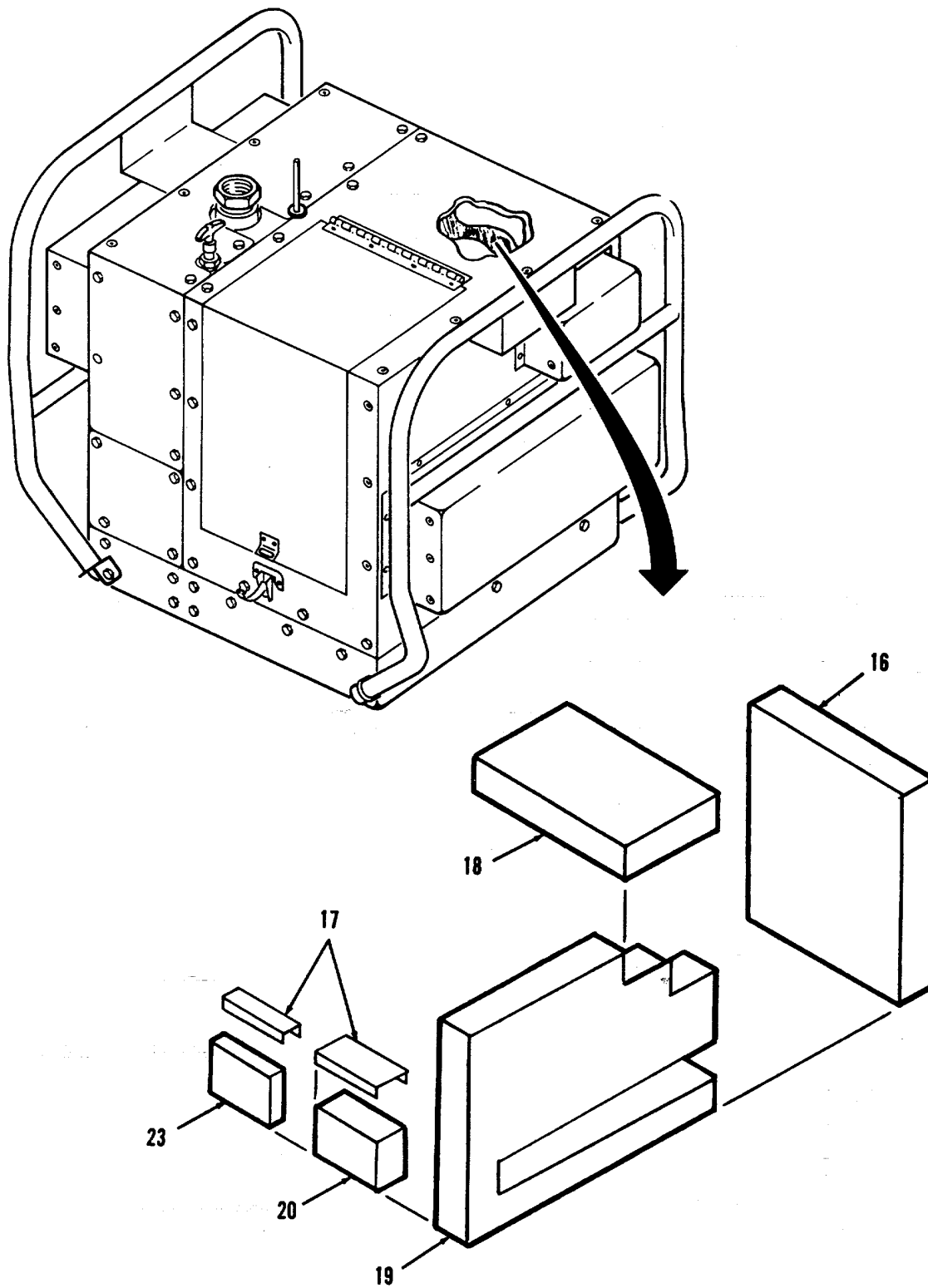


Figure 2. Enclosure Assembly Inlet Side (Sheet 2 of 3)

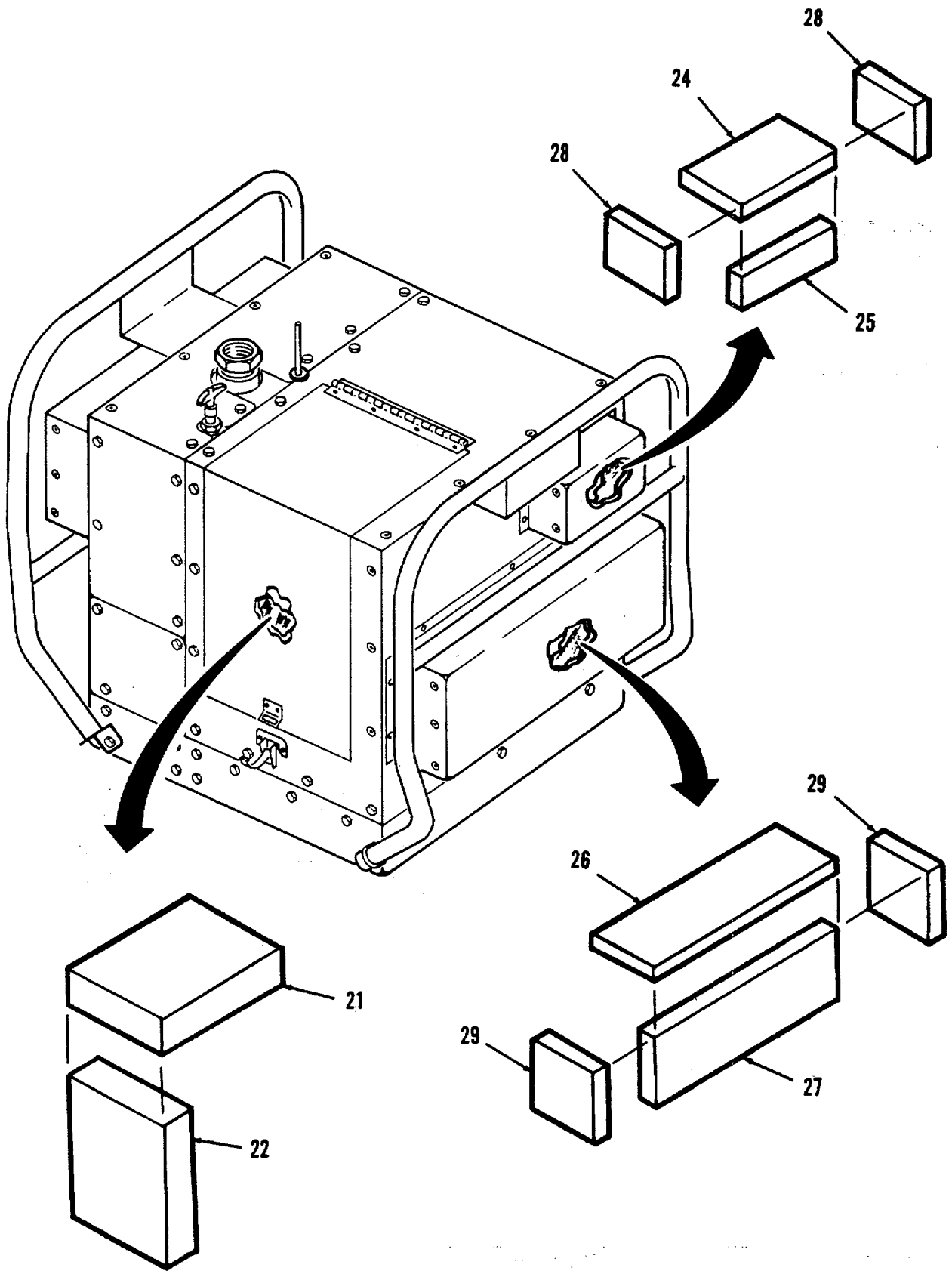


Figure 2. Enclosure Assembly Inlet Side (Sheet 3 of 3)

SECTION II

TM10-4320-316-24P

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

END OF FIGURE

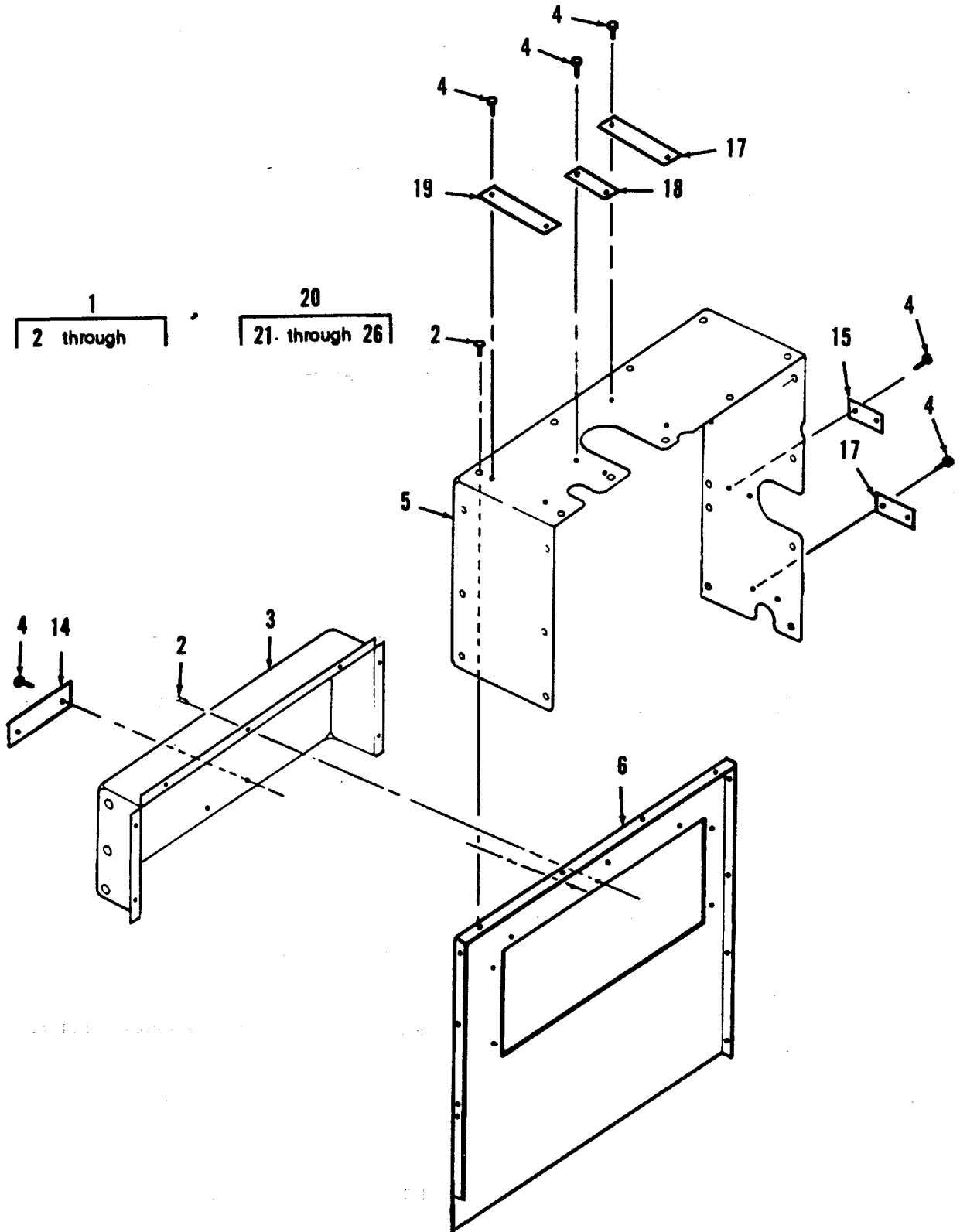


Figure 3. Enclosure Assembly Outlet Side (Sheet 1 of 2)

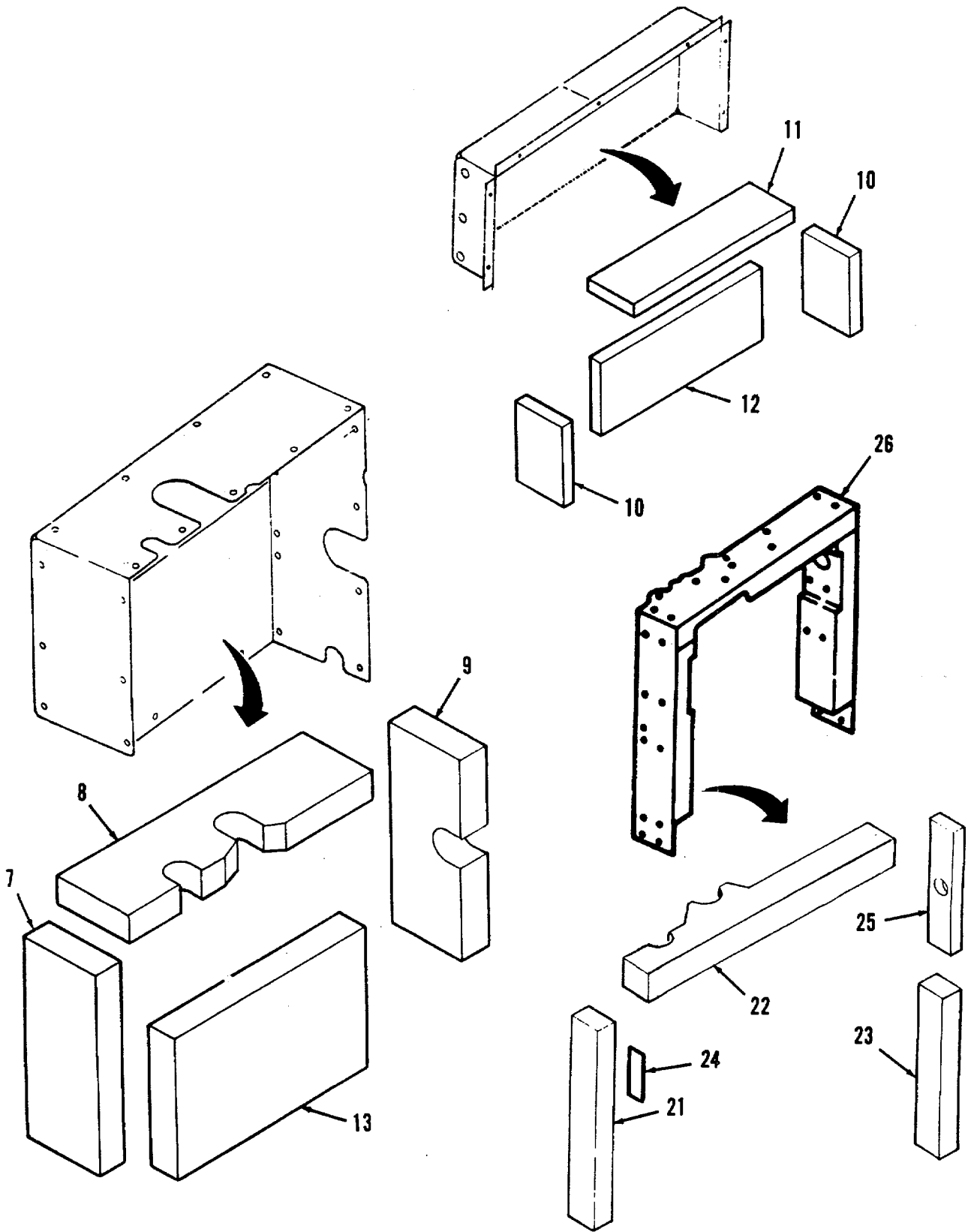


Figure 3. Enclosure Assembly Outlet Side (Sheet 2 of 2)

SECTION II

TM10-4320-316-24P

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

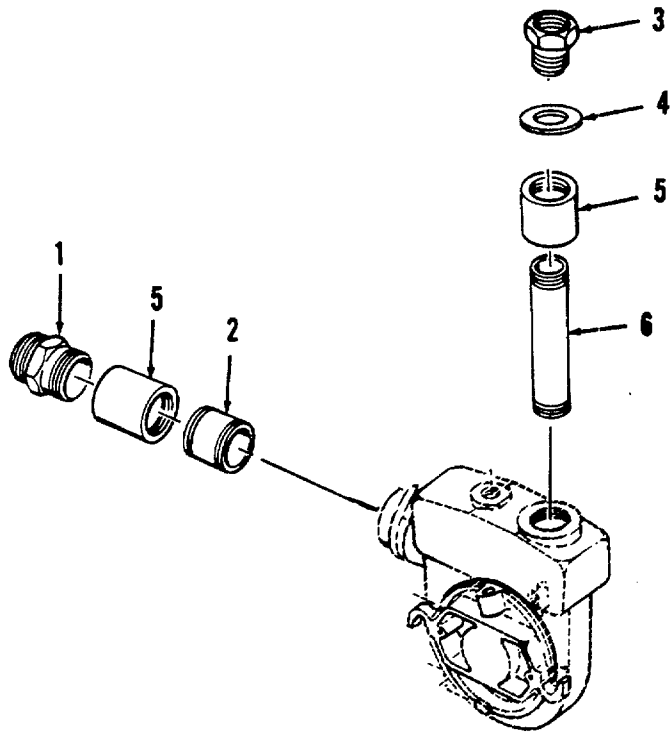


Figure 4. Pump Inlet/Outlet Piping

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

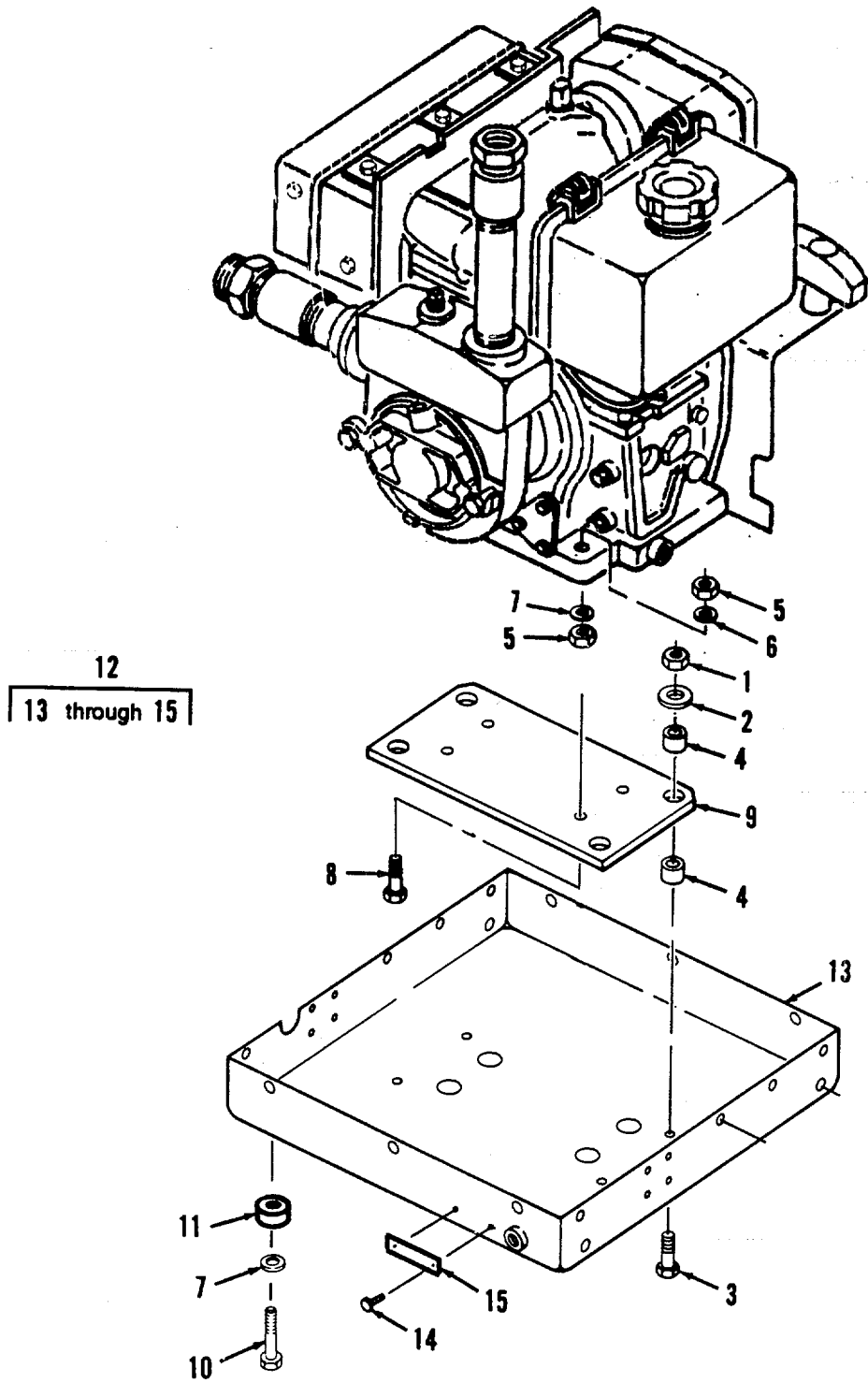


Figure 5. Mounting Plate and Bottom Pan Frame

SECTION II

TM10-4320-316-24P

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

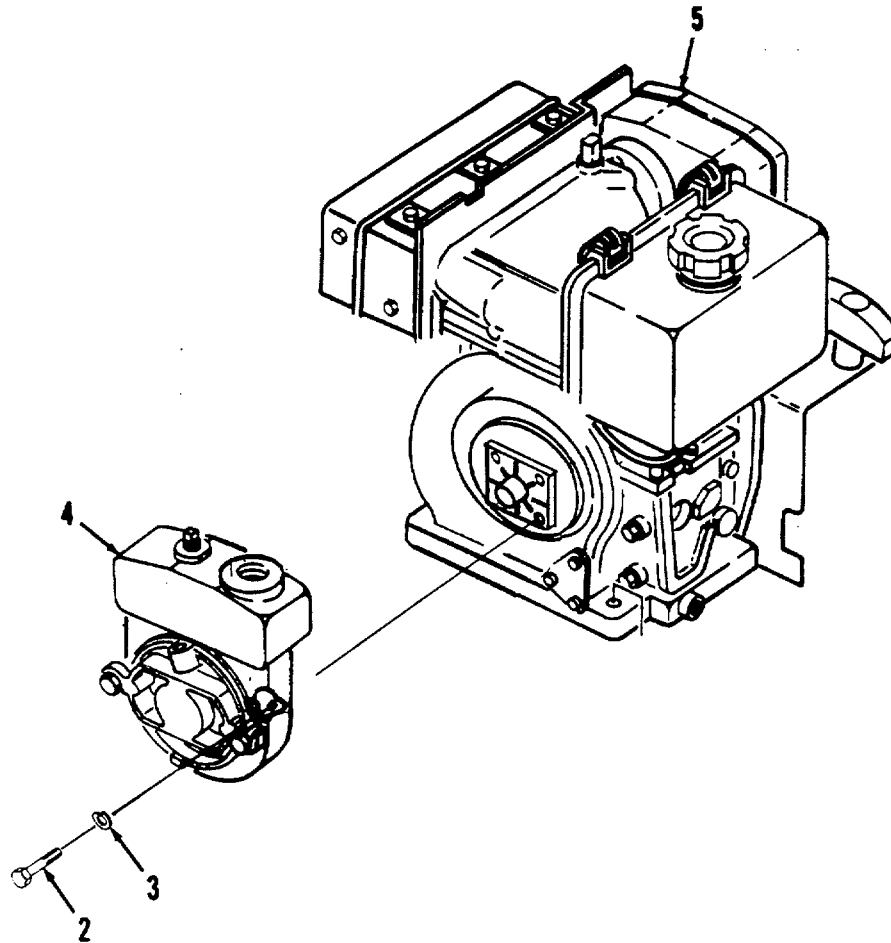


Figure 6. Pump and Engine Assembly.

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

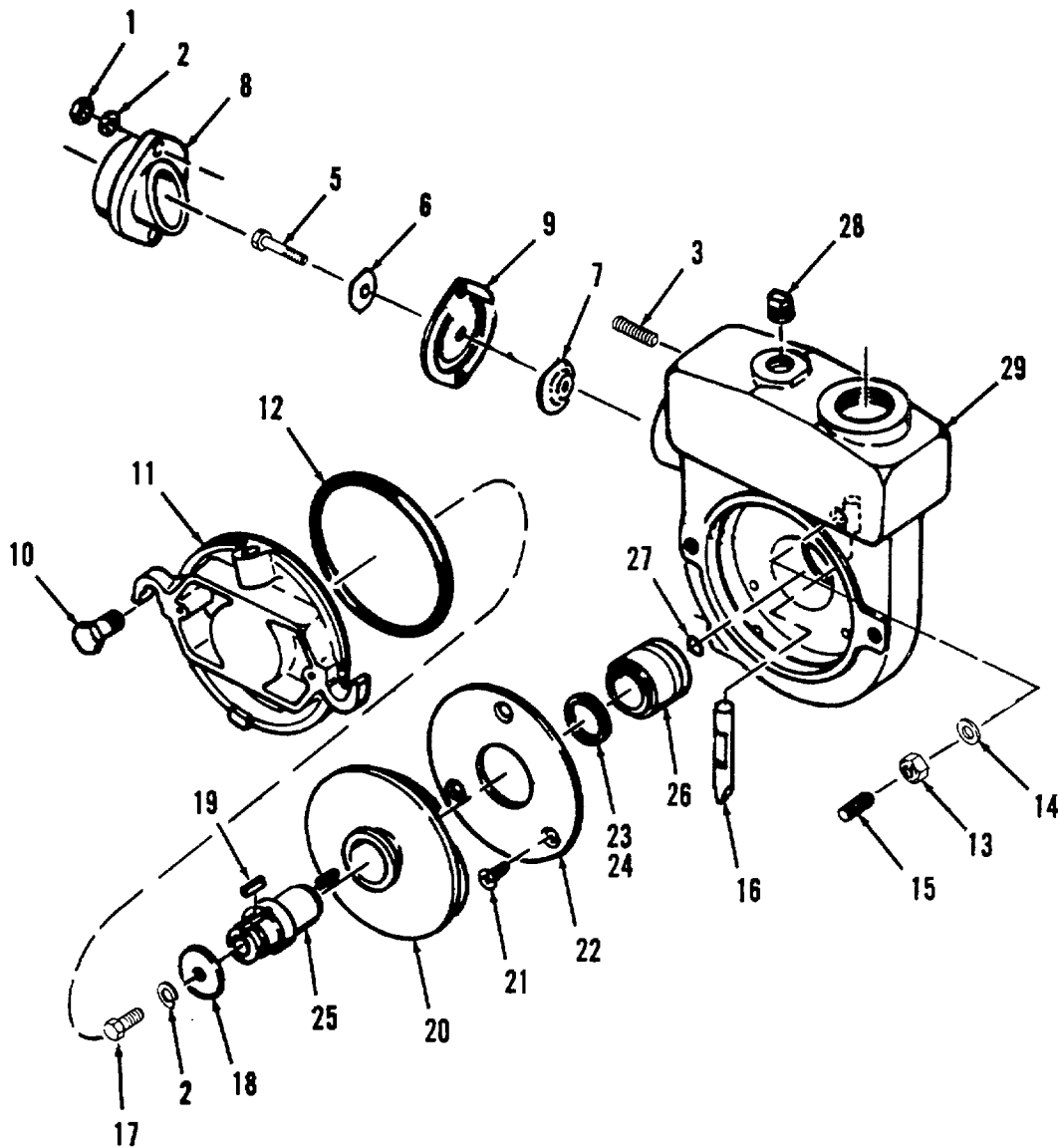


Figure 7. Pump, Centrifugal

SECTION II

TM10-4320-316-24P

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

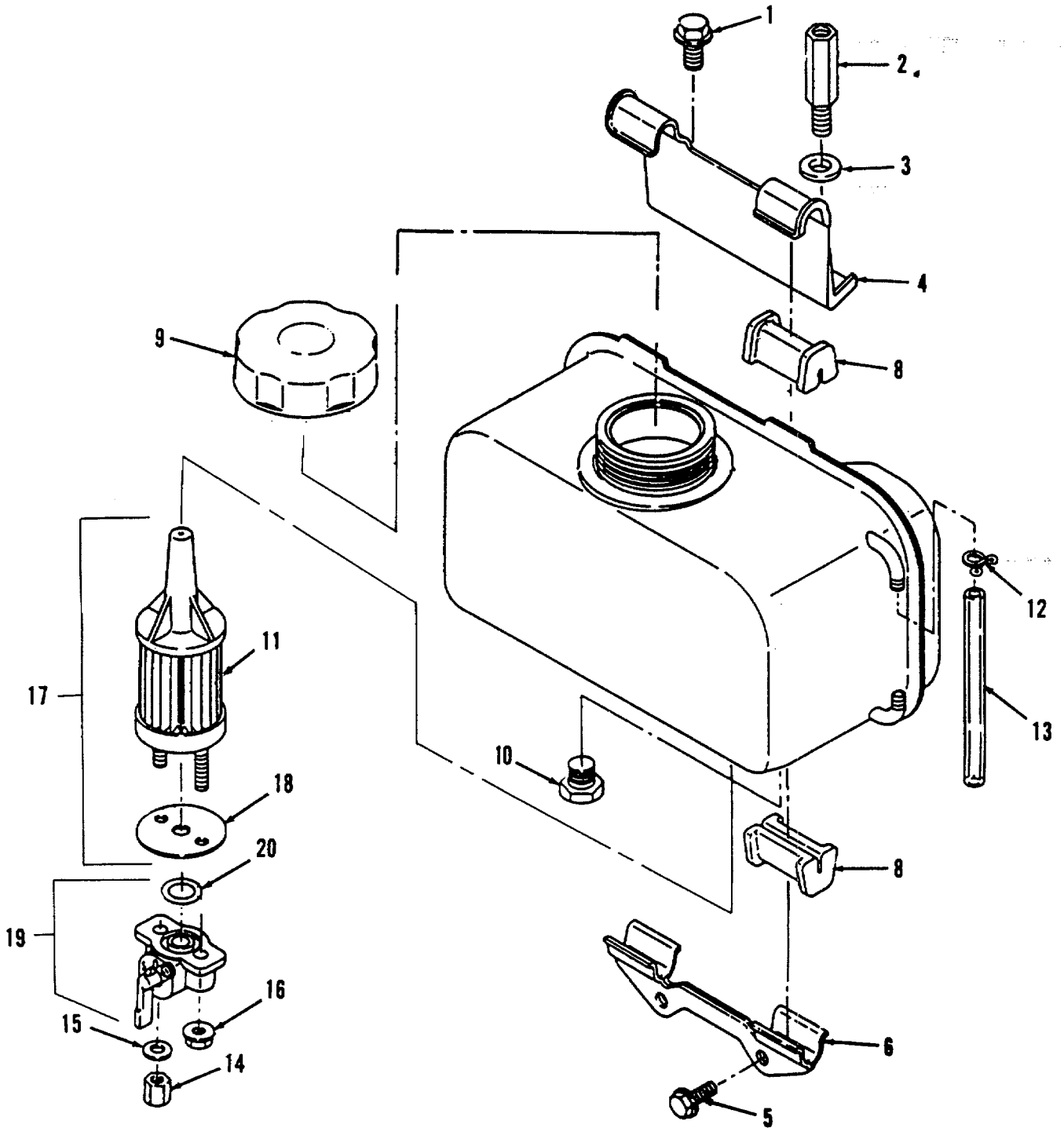


Figure 8. Fuel Tank Assembly

SECTION II

TM10-4320-316-24P

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

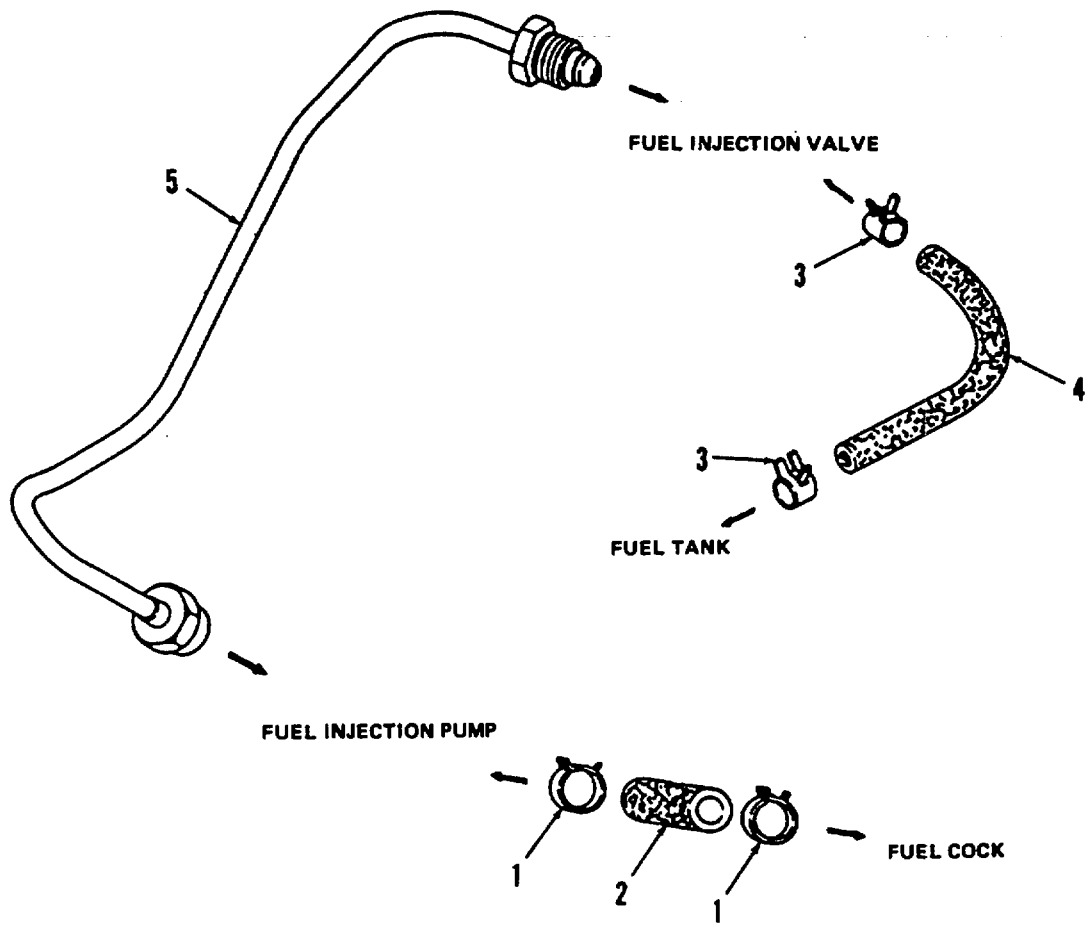


Figure 9. Fuel Lines

SECTION II

TM10-4320-316-24P

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

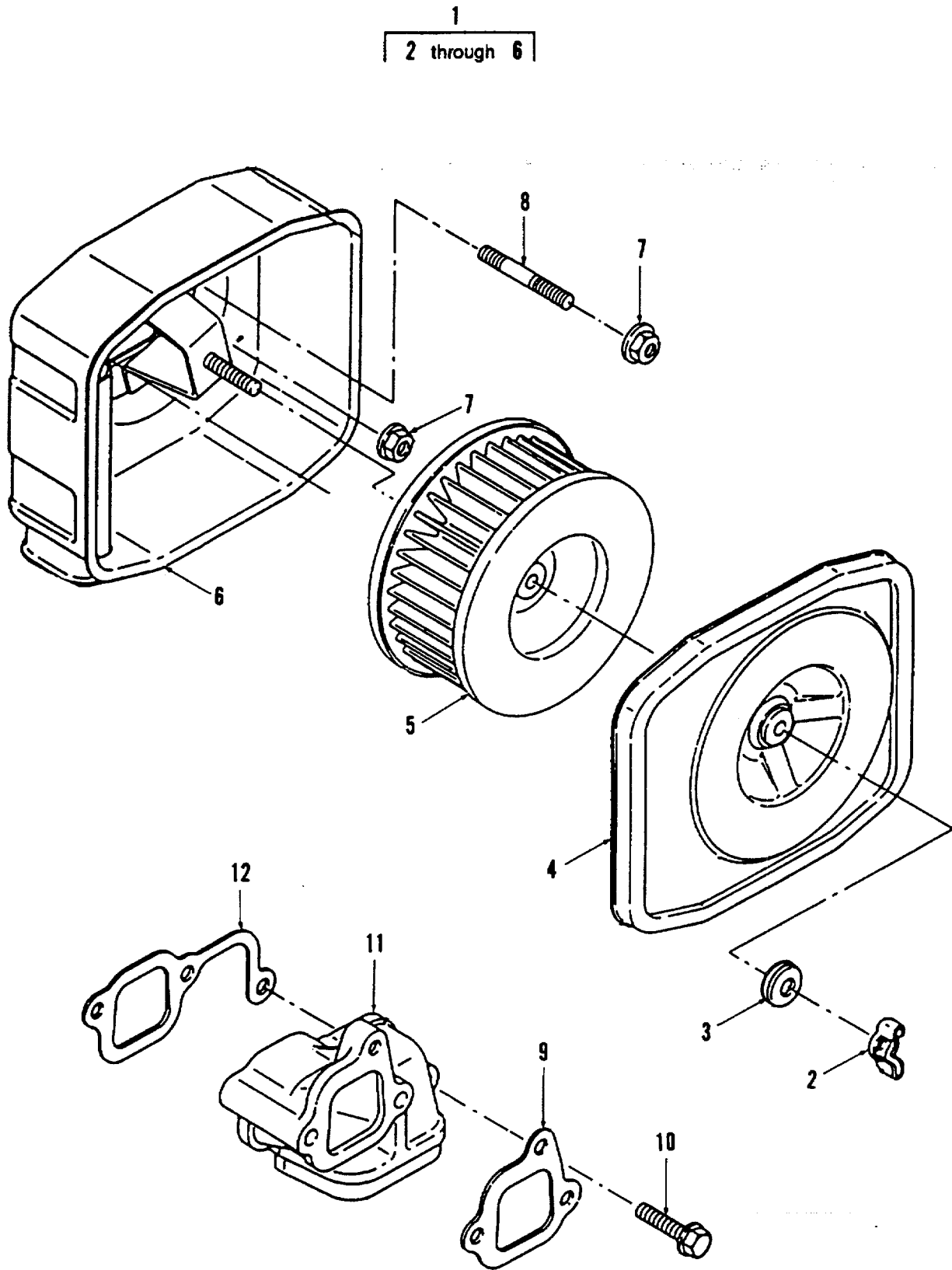


Figure 10. Air Cleaner Assembly

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 10 AIR CLEANER ASSEMBLY	(6) 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

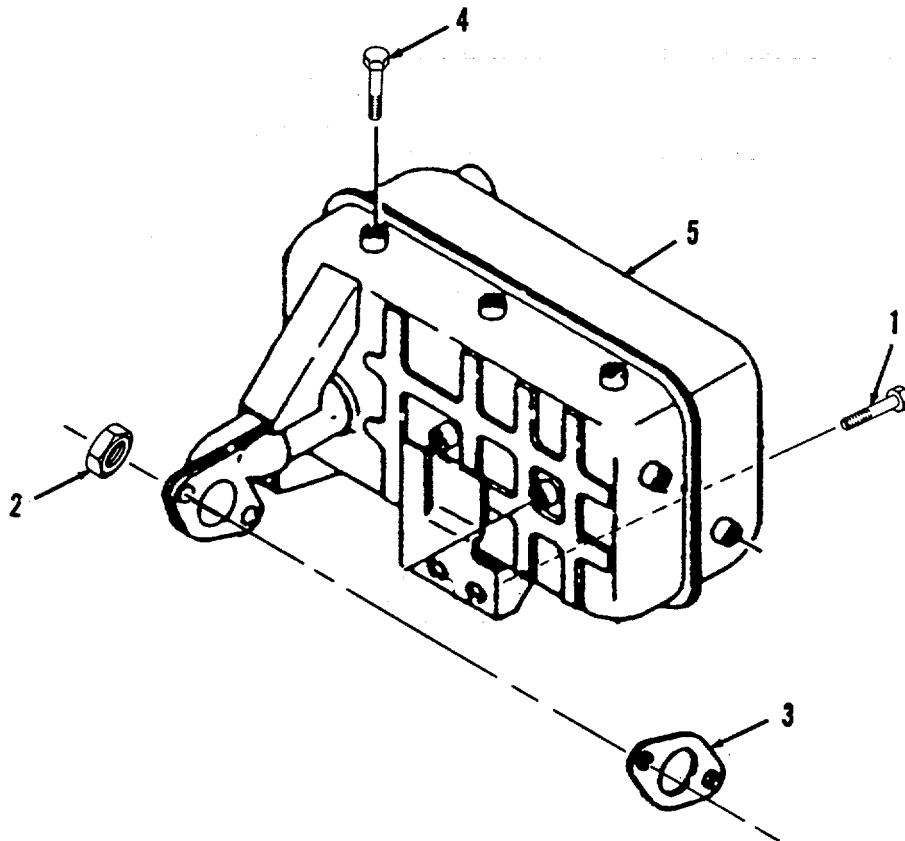


Figure 11. Exhaust Silencer

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 11 EXHAUST SILENCER	(6) 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

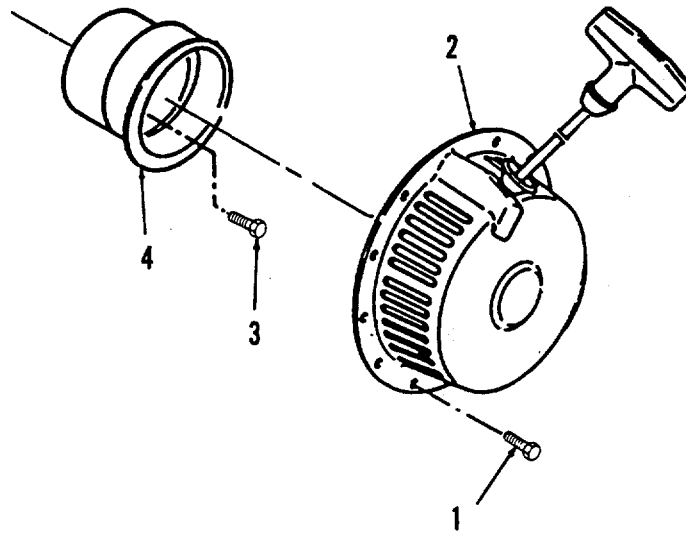


Figure 12. Recoil Starter

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 12 RECOIL STARTER	(6) 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

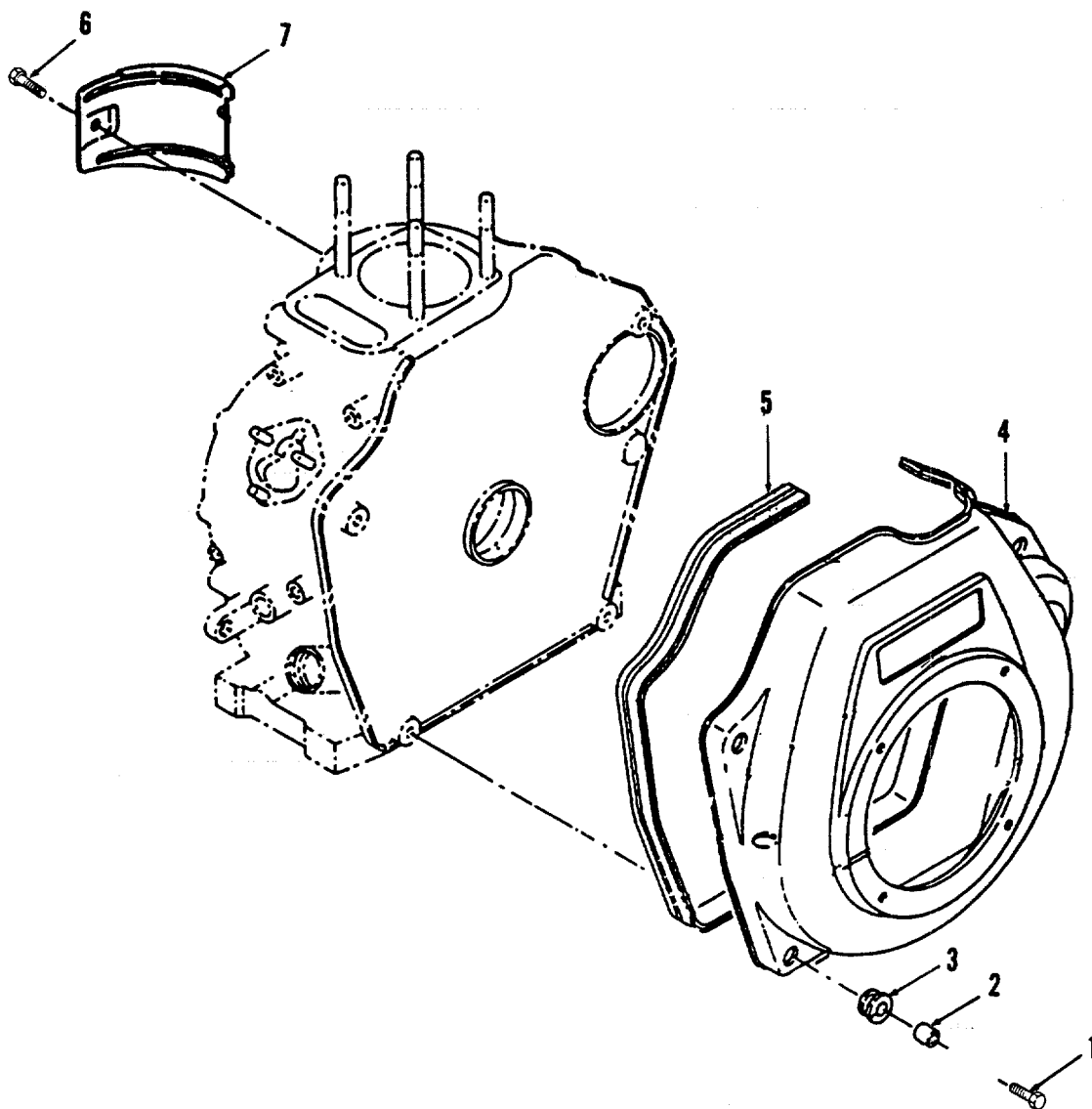


Figure 13. Cooling Fan Case

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 13 COOLING FAN CASE	(6) 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

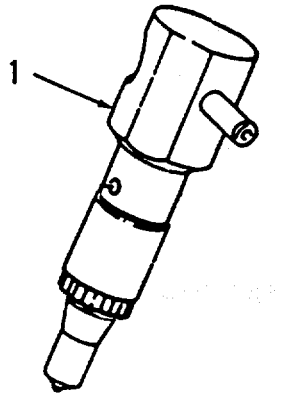


Figure 14. Fuel Injector Valve Assembly

SECTION II

TM10-4320-316-24P

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

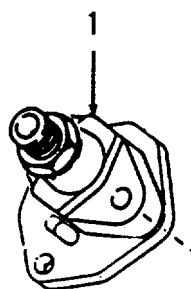


Figure 15. Fuel Injector Pump

SECTION II

TM10-4320-316-24P

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

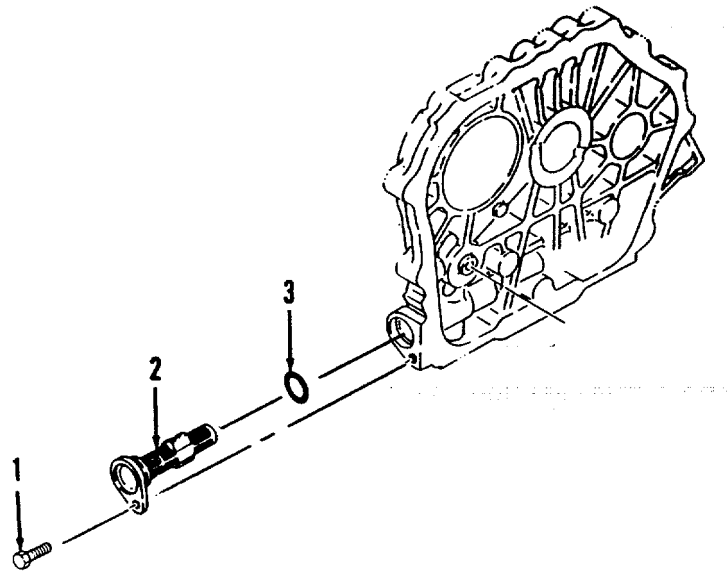


Figure 16. Lube Oil Strainer

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 16 LUBE OIL STRAINER	(6) 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

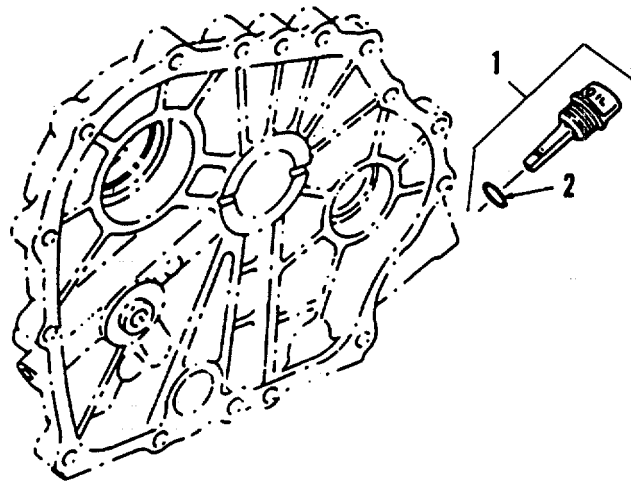


Figure 17. Oil Cap/Gauge

SECTION II

TM10-4320-316-24P

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

END OF FIGURE

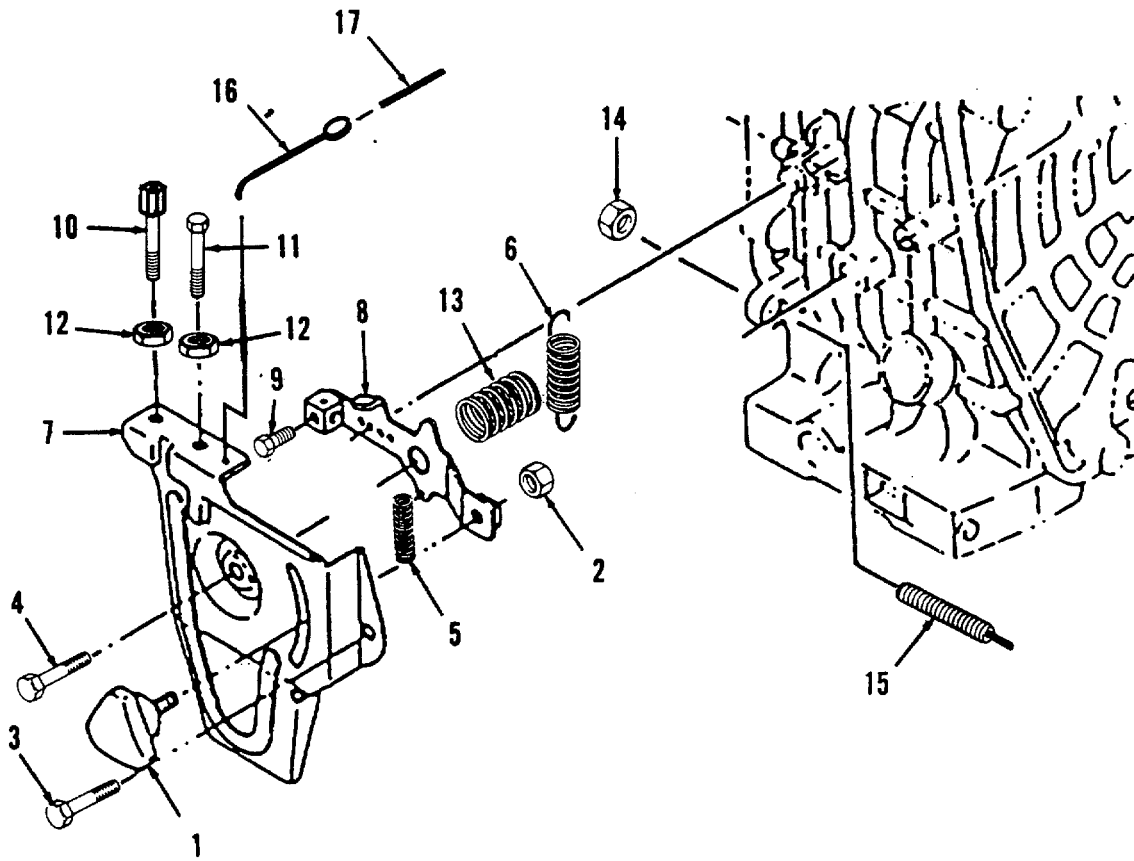


Figure 18. Regulator Bracket Assembly

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 18 REGULATOR BRACKET ASSEMBLY	(6) 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

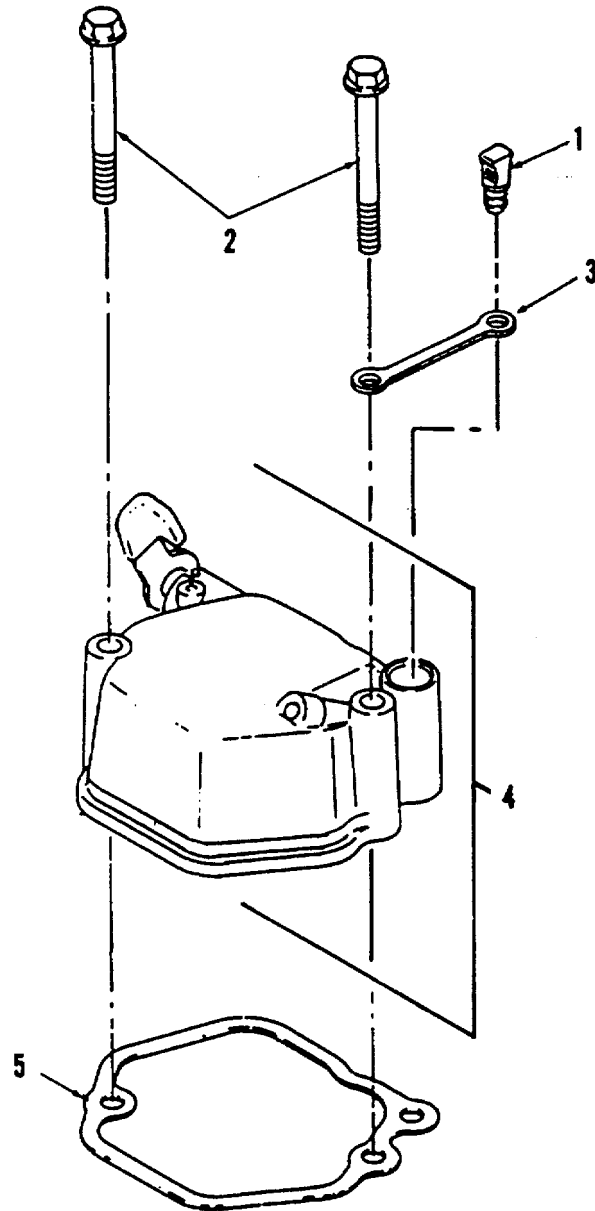


Figure 19. Cylinder Head Cover

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 19 CYLINDER HEAD COVER	(6) 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

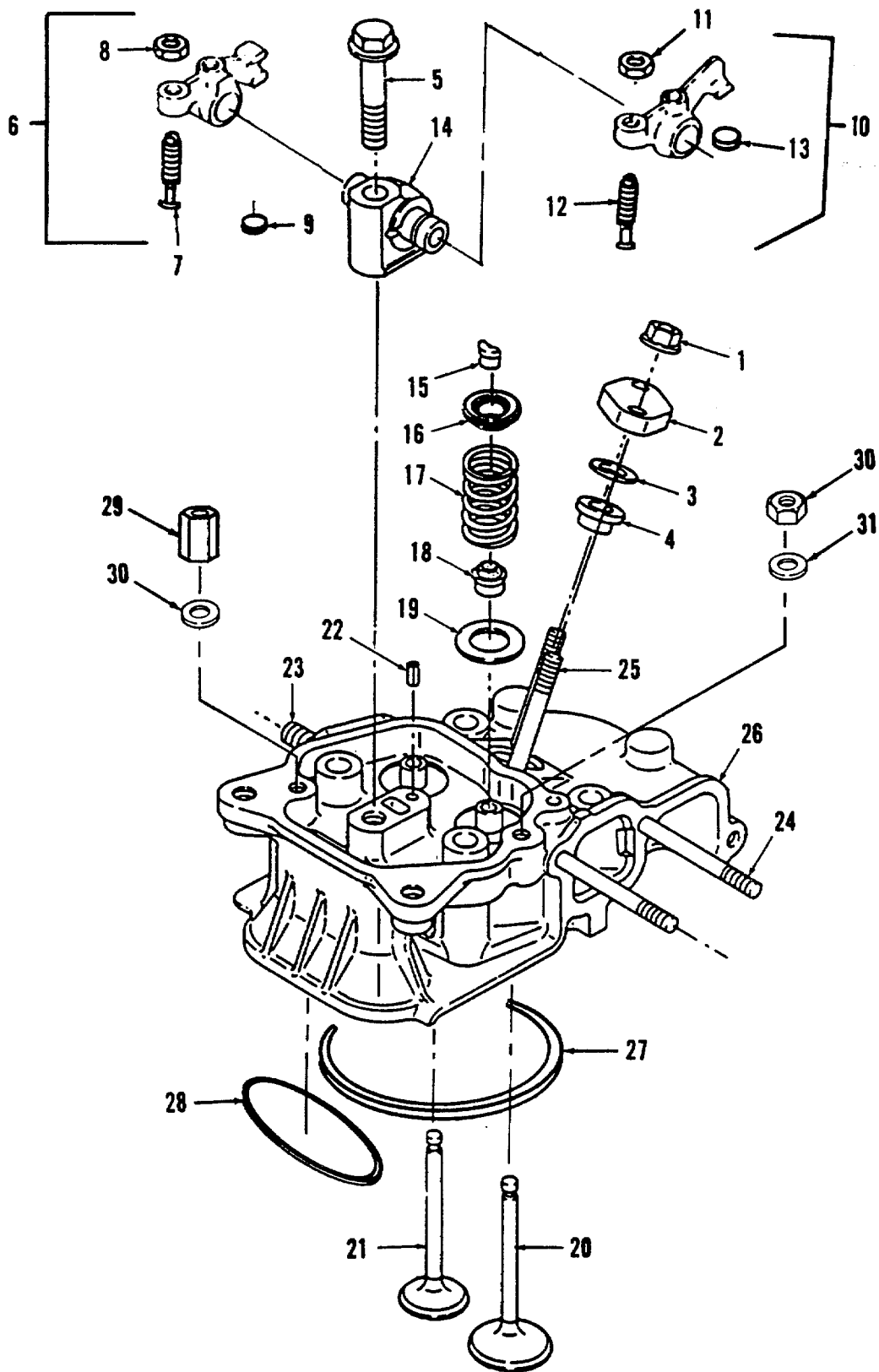


Figure 20. Cylinder Head Components

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 20 CYLINDER HEAD COMPONENTS	(6) 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

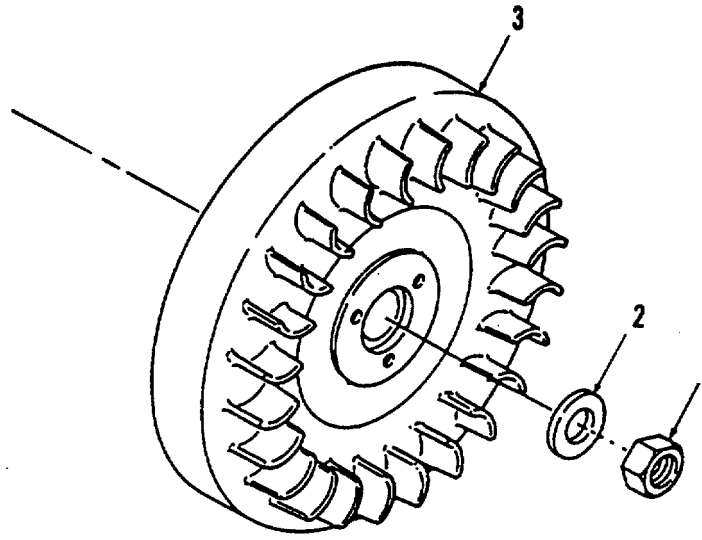


Figure 21. Flywheel

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 21 FLYWHEEL	(6) 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

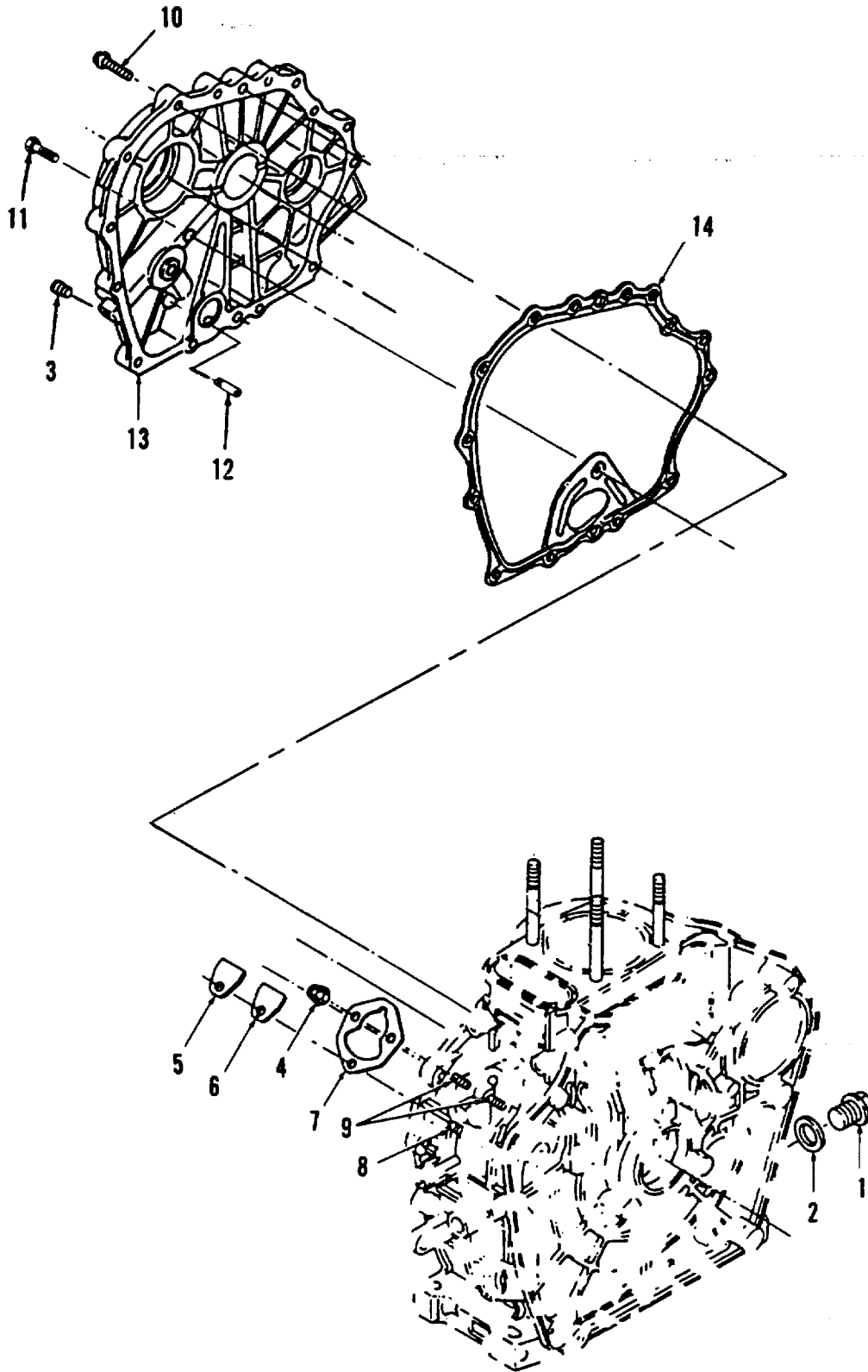


Figure 22. Crankcase Assembly

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 22 CRANKCASE ASSEMBLY	(6) 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

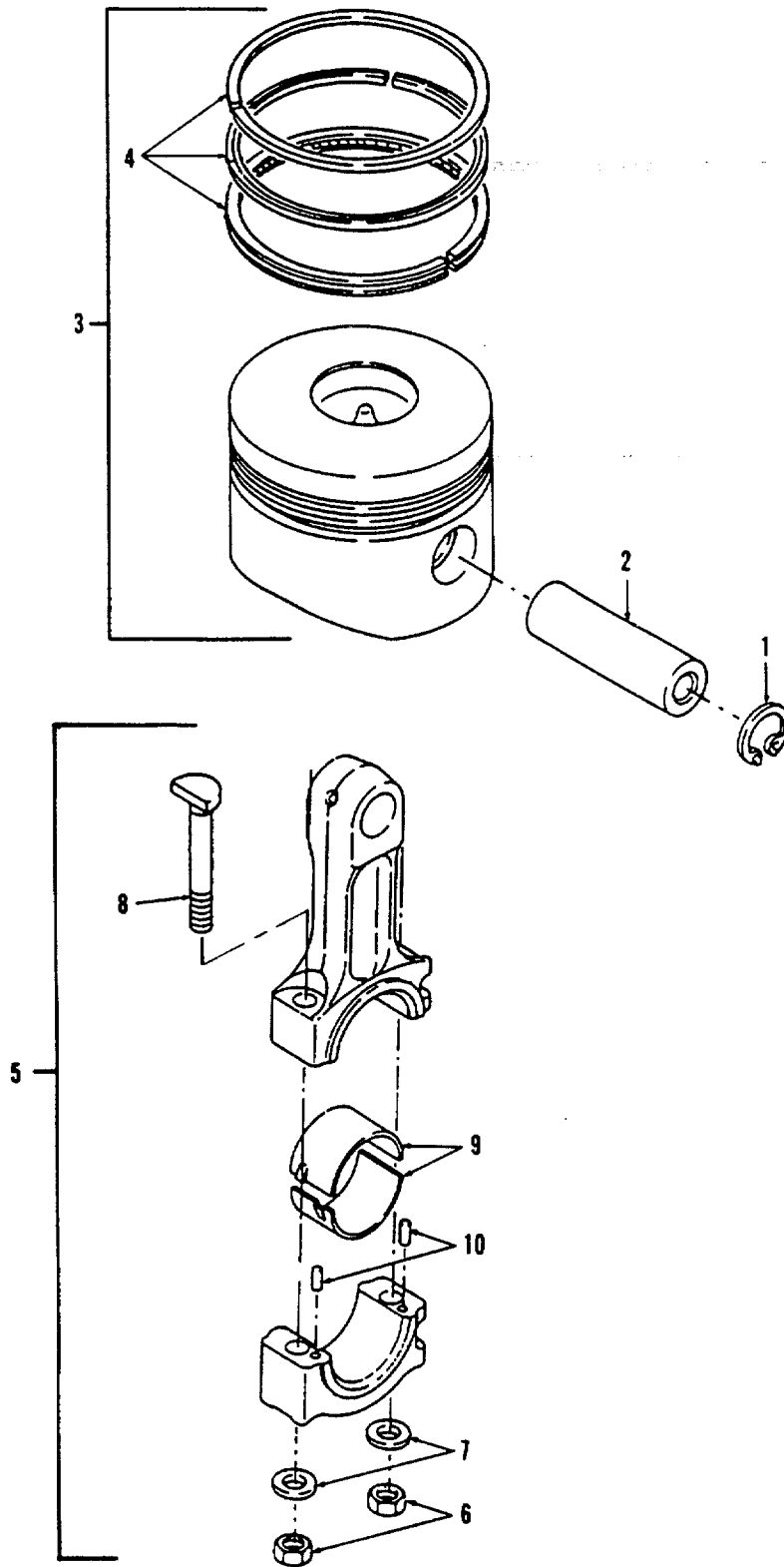


Figure 23. Piston and Connecting Rod Assembly

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 23 PISTON AND CONNECTING ROD ASSEMBLY	(6) 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

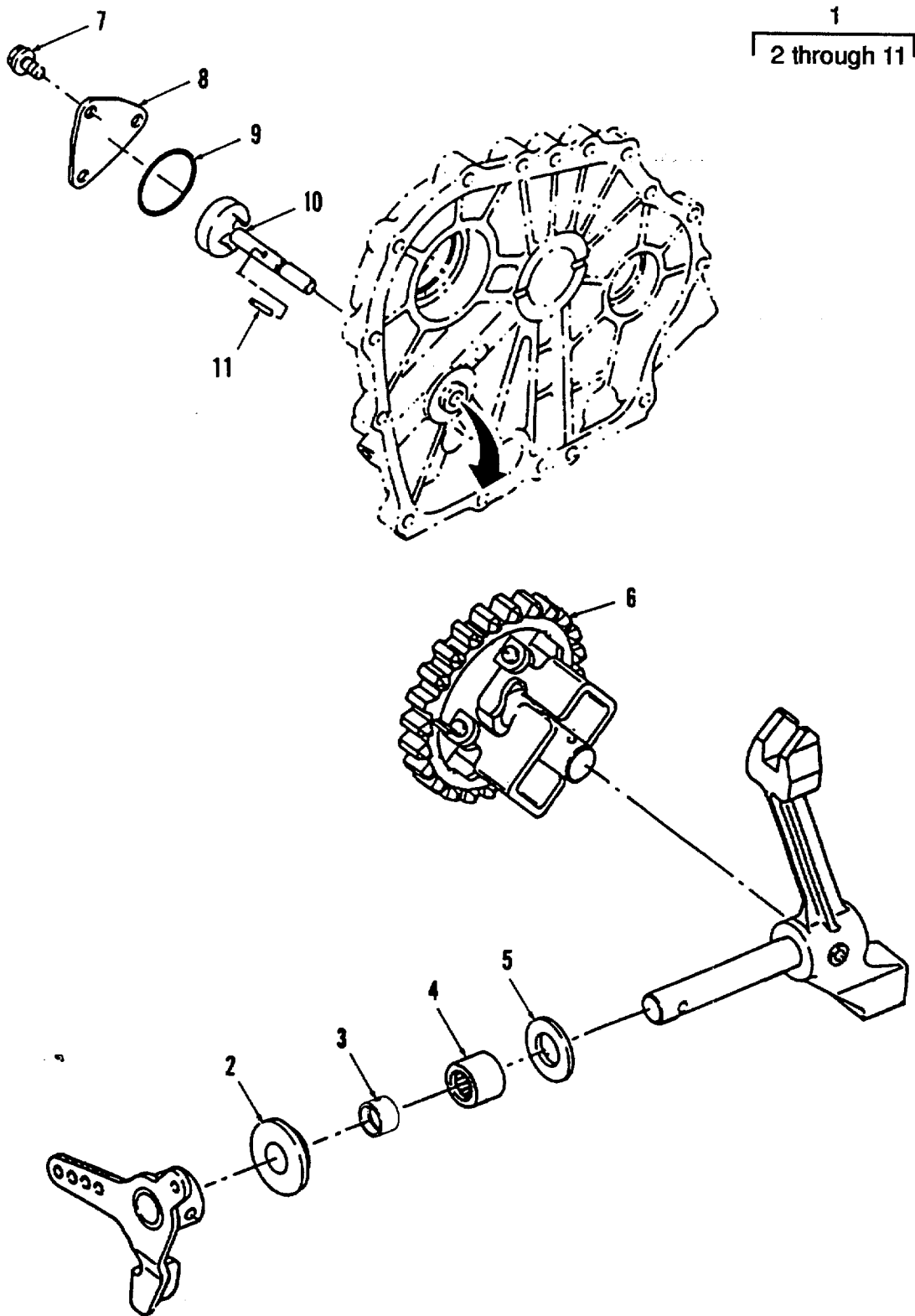


Figure 24. Governor Assembly and Lube Oil Pump.

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 24 GOVERNOR ASSEMBLY AND LUBE OIL PUMP	(6) 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

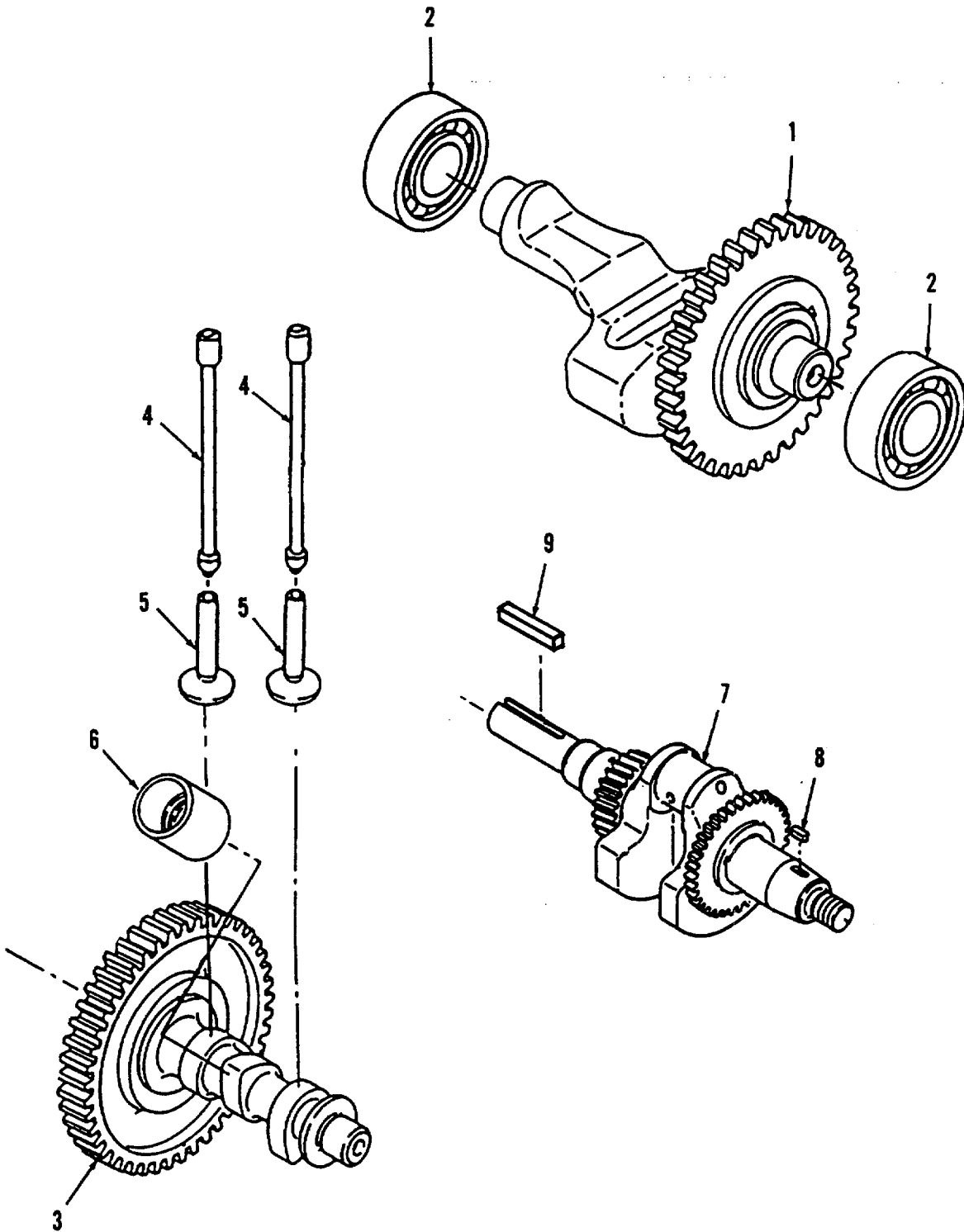


Figure 25. Balancer Shaft Assembly, Camshaft Assembly, and Crankshaft Assembly

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 25 BALANCER SHAFT ASSEMBLY AND CRANKSHAFT ASSEMBLY	(6) 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

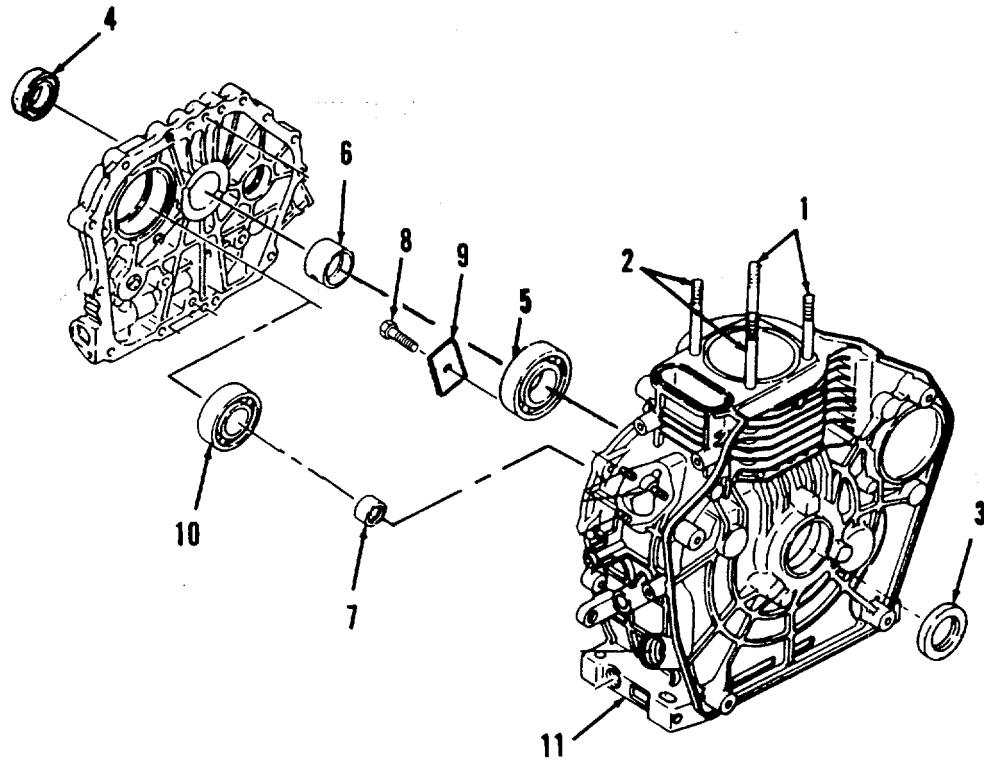


Figure 26. Cylinder Block

SECTION II

TM10-4320-316-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 03 DIESEL ENGINE FIG. 26 CYLINDER BLOCK	(6) 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) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 99 BULK ITEMS FIG. BULK	(6) 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			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 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 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 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 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 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 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 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 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

 <p style="text-align: center;"><i>THEN...JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL.</i></p>		SOMETHING WRONG WITH PUBLICATION		
		FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)		
PUBLICATION NUMBER		DATE SENT		
PUBLICATION DATE		PUBLICATION TITLE		
BE EXACT PIN-POINT WHERE IT IS				
PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.	<p style="text-align: center; font-weight: bold;">IN THIS SPACE, TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT.</p>
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 decigram = .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	

This fine document...

Was brought to you by me:



[Liberated Manuals -- free army and government manuals](#)

Why do I do it? I am tired of sleazy CD-ROM sellers, who take publicly available information, slap “watermarks” and other junk on it, and sell it. Those masters of search engine manipulation make sure that their sites that sell free information, come up first in search engines. They did not create it... They did not even scan it... Why should they get your money? Why are not letting you give those free manuals to your friends?

I am setting this document FREE. This document was made by the US Government and is NOT protected by Copyright. Feel free to share, republish, sell and so on.

I am not asking you for donations, fees or handouts. If you can, please provide a link to liberatedmanuals.com, so that free manuals come up first in search engines:

<A HREF=<http://www.liberatedmanuals.com/>>Free Military and Government Manuals

- Sincerely
Igor Chudov
<http://igor.chudov.com/>
- [Chicago Machinery Movers](#)