

**TECHNICAL MANUAL**

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

**PUMP UNIT, CENTRIFUGAL, DIESEL-DRIVEN  
SELF-PRIMING 125 GPM WATER, CLASS III**

**NSN 4320-01-357-1930**

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**H E A D Q U A R T E R S , D E P A R T M E N T O F T H E A R M Y  
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TECHNICAL MANUAL  
NO 10-4320-325-24P

HEADQUARTERS,  
DEPARTMENT OF THE ARMY  
WASHINGTON D C, 30 June 1994

**TECHNICAL MANUAL**  
**UNIT, DIRECT SUPPORT AND**  
**GENERAL SUPPORT MAINTENANCE**  
**REPAIR PARTS AND SPECIAL TOOLS LIST**  
**PUMP UNIT, CENTRIFUGAL, DIESEL-DRIVEN**  
**SELF-PRIMING 125 GPM WATER, CLASS III**  
**NSN 4320-01-357-1930**

Current as of 23 June 1994

**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

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**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 centrifugal pump unit. 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)/figure(s).

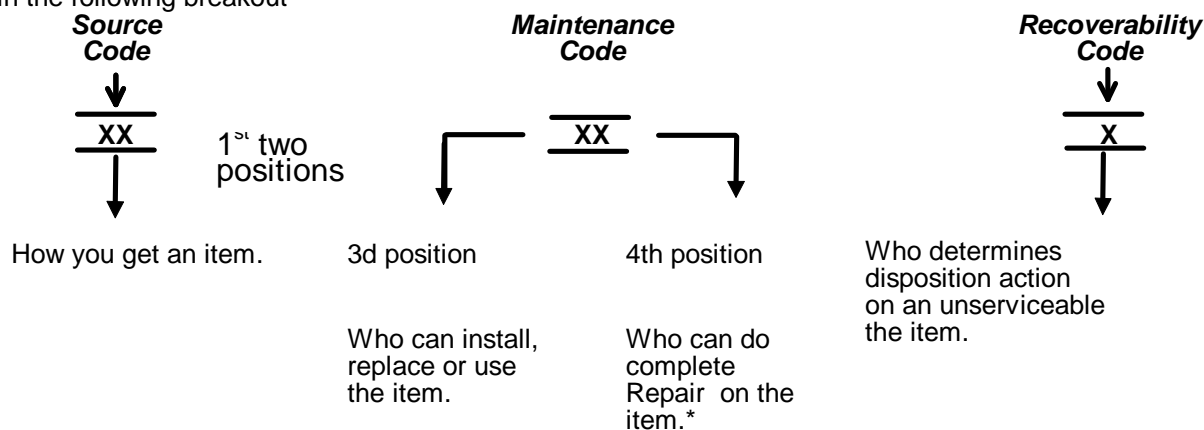
*b Section III. Special Tools List.* A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

*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-reference NSN, FSCM and part numbers.

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

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

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



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

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

Source Code	Explanation
<div style="border: 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: 1px solid black; padding: 5px; display: inline-block;">                     KD                      KF                      KB                 </div>	Items with these codes are not to be requested/requisitioned individually. They re part of a kit which is authorized to the maintenance category indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.
<div style="border: 1px solid black; padding: 5px; display: inline-block;">                     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)                 </div>	Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION and USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts list in this RPSTL. H the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.
<div style="border: 1px solid black; padding: 5px; display: inline-block;">                     AO- (Assembled by Unit/AVUM Level)                      AF- (Assembled by DS/AVIM Level)                      AH- (Assembled by GS Category)                      AL- (Assembled by SRA)                      AD- (Assembled by Depot)                 </div>	Items with these codes are not to be requested/ requisitioned individually. The puts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. H the 3rd position code 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 higher level of maintenance.
XA- Do not requisition "XA"-coded item. Order its next higher assembly. (Also, Refer to the NOTE below.) XB- If an UXB" 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 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 tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

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

<i>Code</i>	<i>Application/Explanation</i>
C -	Crew or operator maintenance done within organizational or aviation unit maintenance
O -	Organizational or aviation unit category can remove, replace, and use the item
F -	Direct support level 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, 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:

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

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

<i>Recoverability Codes</i>	<i>Application/Explanation</i>
Z -	Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in 3rd position of SMR code
O -	Reparable item. When uneconomically repairable, condemn and dispose of the item at organizational or aviation unit level
F -	Reparable item. When uneconomically repairable, condemn and dispose of the item at the direct support or aviation Intermediate level

*Recoverability  
Codes*

*Application/Explanation*

- H - Repairable item When uneconomically repairable, condemn and dispose of the Item at general support level
- D - Repairable item When beyond lower level repair capability, return to depot Condemnation and disposal of item not authorized below depot level
- L - Repairable 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/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), that 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 received 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 (Insert applicable physical security classification abbreviation, e g , Phy Sec CI (C) -Confidential, Phy Sec CI (S) -Secret, Phy Sec CI (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 equipments supported exceeds density spread indicated In the basis of Issue, the total authorization Is increased proportionately
  - (9) The statement "END OF FIGURE" appears just below the last item description in Column 5 for a given figure in both Section II and Section III.

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

#### 4. Explanation of Columns (Section IV).

##### a. NATIONAL STOCKNUMBER (NSN) INDEX.

(1) *STOCKNUMBER column* This column lists the NSN by National item Identification number (NIIN) NSN sequence. The NIIN consists of the last nine digits of the NSN (i.e., 5305-01-674-1467). When using this column NIIN to locate an 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 11 and Section III.

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

b. *PARTNUMBER 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 (FSCM) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

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

(3) *STOCKNUMBER column* This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and FSCM 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 II 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) *PARTNUMBER column.* Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

#### 5. Special Information.

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



b. *FABRICATION INSTRUCTIONS* Bulk materials required to manufacture items are listed in the Bulk Material Functional Group of 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 TM 10-4320-325-14.

c. *ASSEMBLY INSTRUCTION* Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in TM 10-4320-325-14. 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 the centrifugal pump unit and its components.

<i>Publication</i>	<i>Short Title</i>
LO 10-4320-325-12	Pump Unit, Centrifugal
TO 10-4320-325-14	Pump Unit, Centrifugal

g. *ILLUSTRATIONS-LISTING*. The illustrations in this RPSTL are identical to those published in TM 10-4320-325-14. Only those parts codes "C" or "O" in the third position of the SMR Code are listed in the tabular listing, therefore, there may be a break in the item number sequence. Only illustrations containing organizational or aviation unit authorized items appear in this RPSTL.

**6. How to Locate Repair Parts.**

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

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

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

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

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

(1) *First*. Using the National Stock Number or 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 are looking for, then locate the item number in the repair parts list for the figure.

**7. Abbreviations.** All abbreviations are in accordance with MIL-STD-12

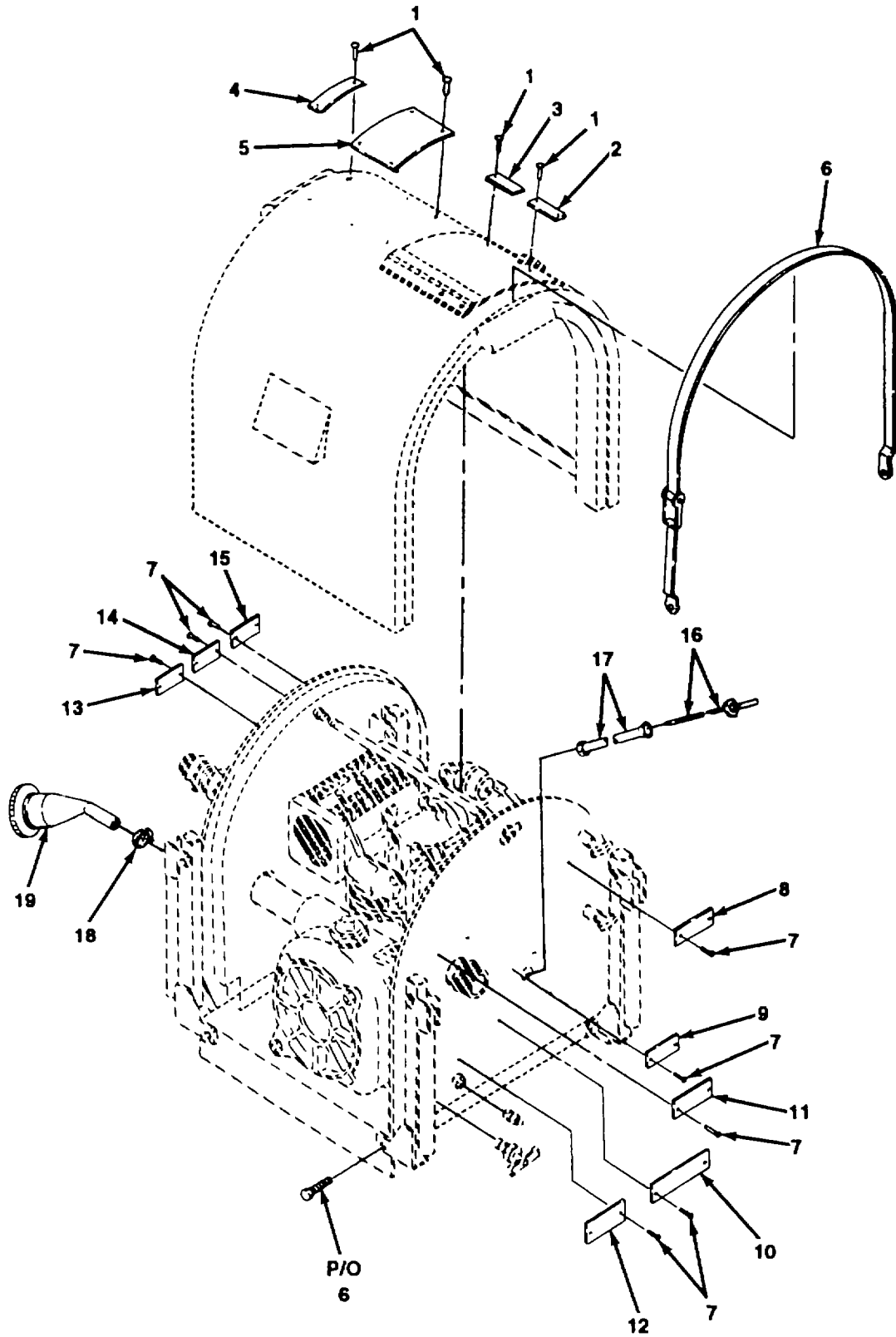


Figure 1. Centrifugal Pump Unit, DED Model PAD 125B (Sheet 1 of 2).

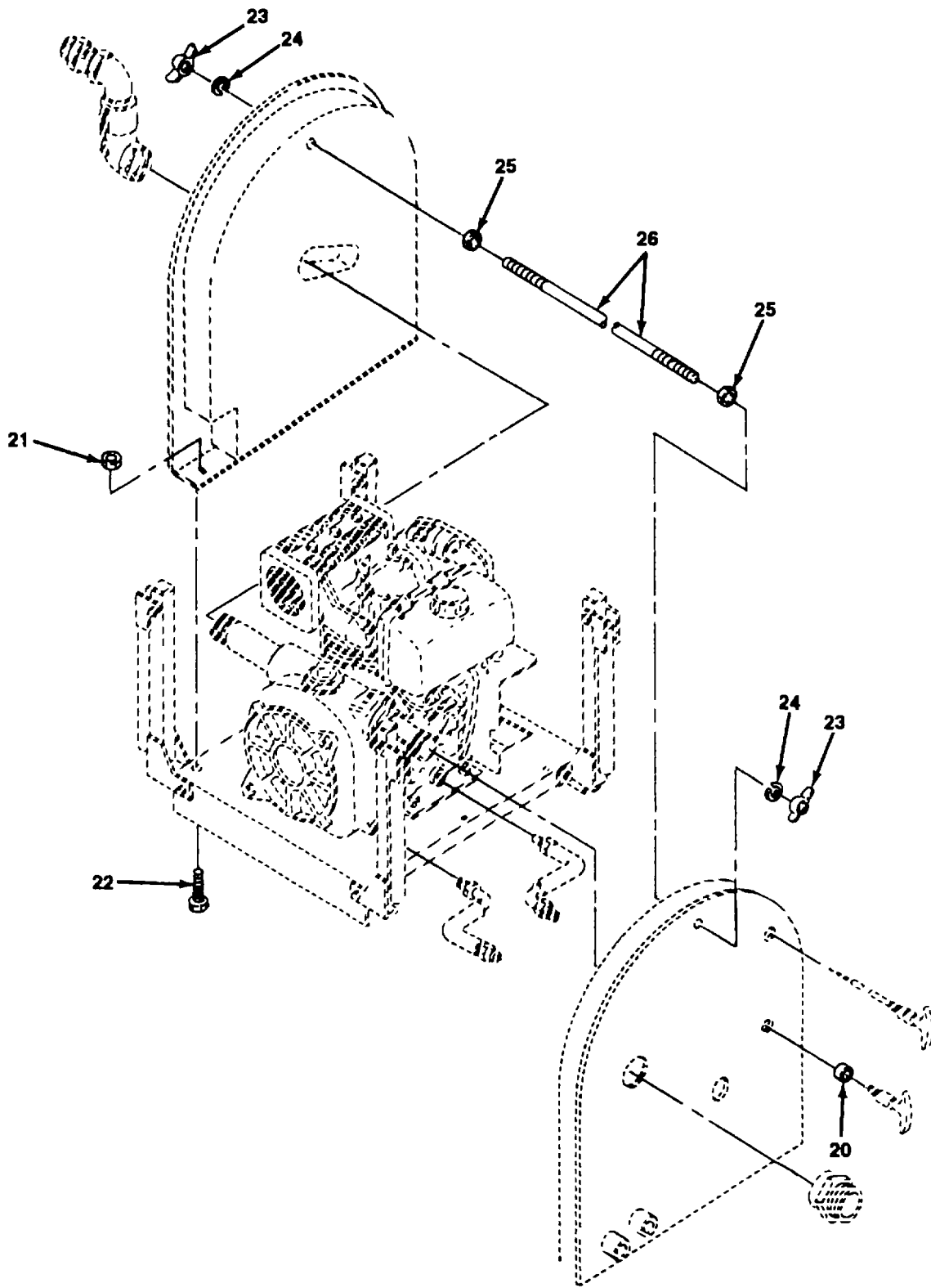


Figure 1. Centrifugal Pump Unit, DED Model PAD 125B (Sheet 2 of 2).

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 00 CENTRIFUGAL PUMP UNIT, DED MODEL PAD 125B					
FIG. 1 CENTRIFUGAL PUMP, DED MODEL PAD 125B					
1	PAOZZ	81349	M24243/1B402	RIVET, BLIND .....	10
2	XBOZZ	97403	13229E8230-5	PLACARD, IDENTIFICAT DIESEL FUEL .....	1
3	XBOZZ	97403	13229E8221-3	ONLY .....	
				PLACARD, IDENTIFICAT FUEL TANK AND .....	1
4	XBOZZ	97403	13229E8221-2	DECOMPRESSION HANDLE ACCESS.....	
5	XBOZZ	97403	13217E1975-1	PLACARD, IDENTIFICAT HAND LIFT .....	1
6	PAOZZ	92729	A-R1-1Q-1Q-9/63	PLACARD, IDENTIFICAT IDENTIFICATION.....	1
7	PAOZZ	81349	M24243/1-B403	STRAP, TIE-DOWN RACHET .....	2
8	XBOZZ	76371	13229E8221-4	RIVET, BLIND .....	16
				PLACARD, IDENTIFICAT THROTTLE .....	1
				CONTROL.....	
9	XBOZZ	76371	13229E8230-3	PLACARD, IDENTIFICAT ENGINE OIL.....	1
10	XBOZZ	97403	13229E9453	PLACARD, IDENTIFICAT OIL USAGE .....	1
11	XBOZZ	97403	13229E8230-6	PLACARD, IDENTIFICAT SUCTION .....	1
12	XBOZZ	97403	13229E8223-1	PLACARD, IDENTIFICAT DRAINS .....	1
13	XBOZZ	94703	13299E8224	PLACARD, IDENTIFICAT DISCHARGE .....	1
14	XBOZZ	97403	13229E8230-2	PLACARD, IDENTIFICAT HOT .....	1
15	XBOZZ	97403	13299E8222	PLACARD, INDENTIFICT FOUR SOLDIER .....	1
				LIFT .....	
16	XBOZZ	63513	V-190	FILLER NECK OIL LEVEL .....	1
17	XBOZZ	97403	13229E9452	HOUSING ASSEMBLY, OIL LEVEL .....	1
				INDICATOR(DIPSTICK).....	
18	PAOZZ	96906	MS35842-12	CLAMP, HOSE .....	1
19	PAOZZ	58180	3S1105H2B	ARRESTOR, SPARK .....	1
20	PAOZZ	03296	NMC557-12C	GROMMET, METALLIC .....	1
21	PAOZZ	96906	MS16228-4C	NUT, SELF-LOCKING, HE .....	6
22	PAOZZ	96906	MS35307-307	SCREW, CAP, HEXAGON H .....	6
23	PAOZZ	96906	MS35425-39	NUT, PLAIN, WING .....	2
24	PAOZZ	96906	MS35335-61	WASHER, LOCK .....	2
25	PAOZZ	96906	MS51971-1	NUT, PLAIN, HEXAGON .....	2
26	XBOZZ	97403	13229E9444-56	ROD THREADED END .....	1

END OF FIGURE

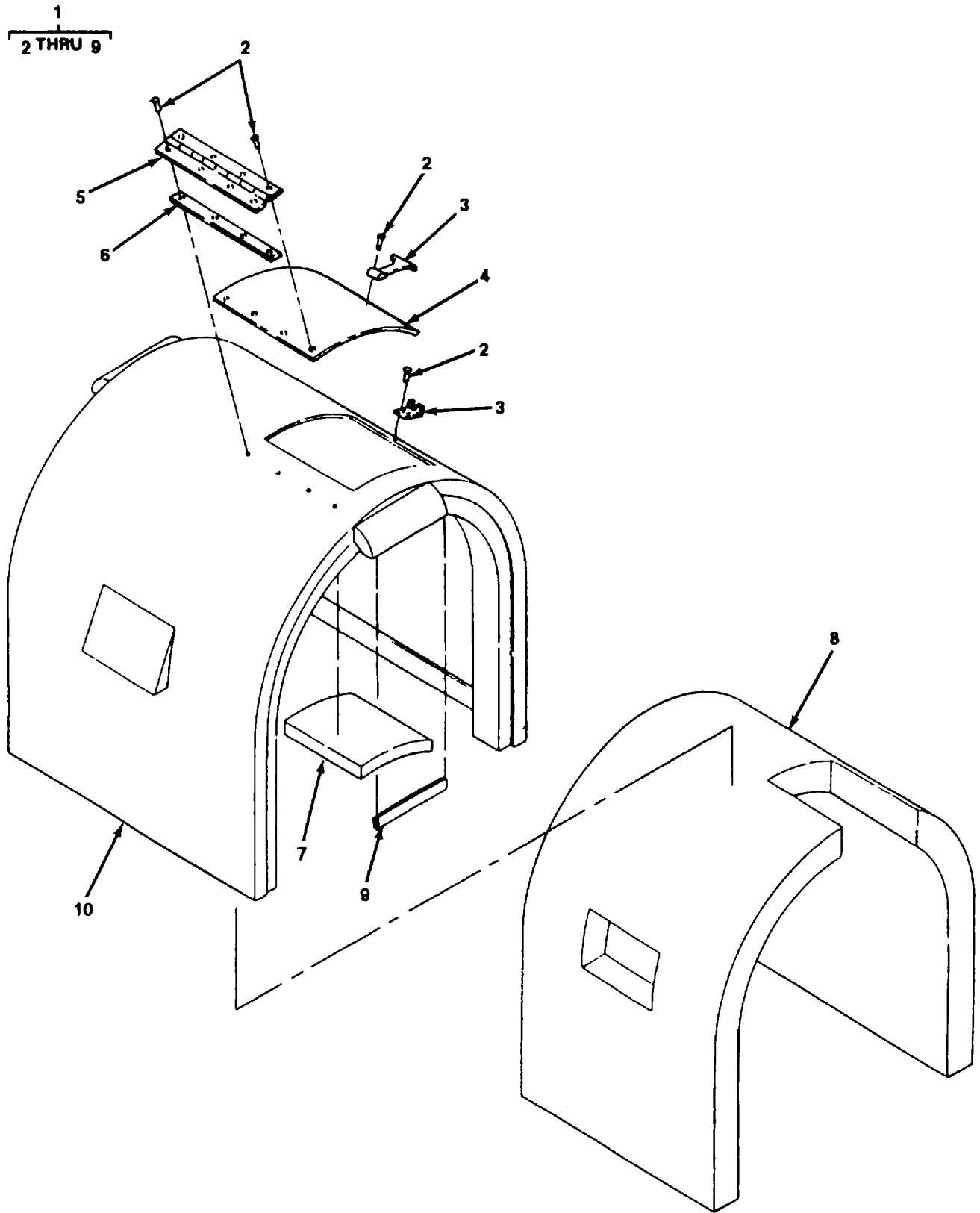


Figure 2. Sound Enclosure Cover Assembly.

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 01 SOUND ENCLOSURE COVER ASSEMBLY					
FIG. 2 SOUND ENCLOSURE COVER ASSEMBLY					
1	XBOOO	97403	13230E5610	COVER ASSEMBLY, SOUN .....	1
2	PAOZZ	81349	M24243/1-B403	.RIVET, BLIND .....	12
3	PAOZZ	66173	089-0100A	.LATCH, TEE-HANDLE .....	1
4	XBOZZ	76371	5500333000	.DOOR, ACCESS, COVER .....	1
5	MOOZZ	76371	5700351000	.HINGE, CONTINOUS MAKE FROM BULK .....	1
6	XBOZZ	76371	5500345000	CAGE 96906 P/N MS20257-4- 800.....	1
7	MOOZZ	73171	5700343000	.SPACER, HINGE .....	1
8	MOOZZ	76371	5500353003	.INSULATION, DOOR MAKE FROM BULK.....	1
9	MOOZZ	76371	5700345000	P/N 763/4750/9425 .....	1
10	XAOZZ	76371	5500331000	.INSULATION, COVER MAKE FROM BULK.....	1
				CAGE 62408 P/N763/47508/9425 .....	2
				.TRIM, HANDLE MAKE FROM BULK CAGE.....	2
				57137 P/N 7508-2 X1/16-ALUM.....	1
				.SHELL, SOUND ENCLOSU .....	1

END OF FIGURE

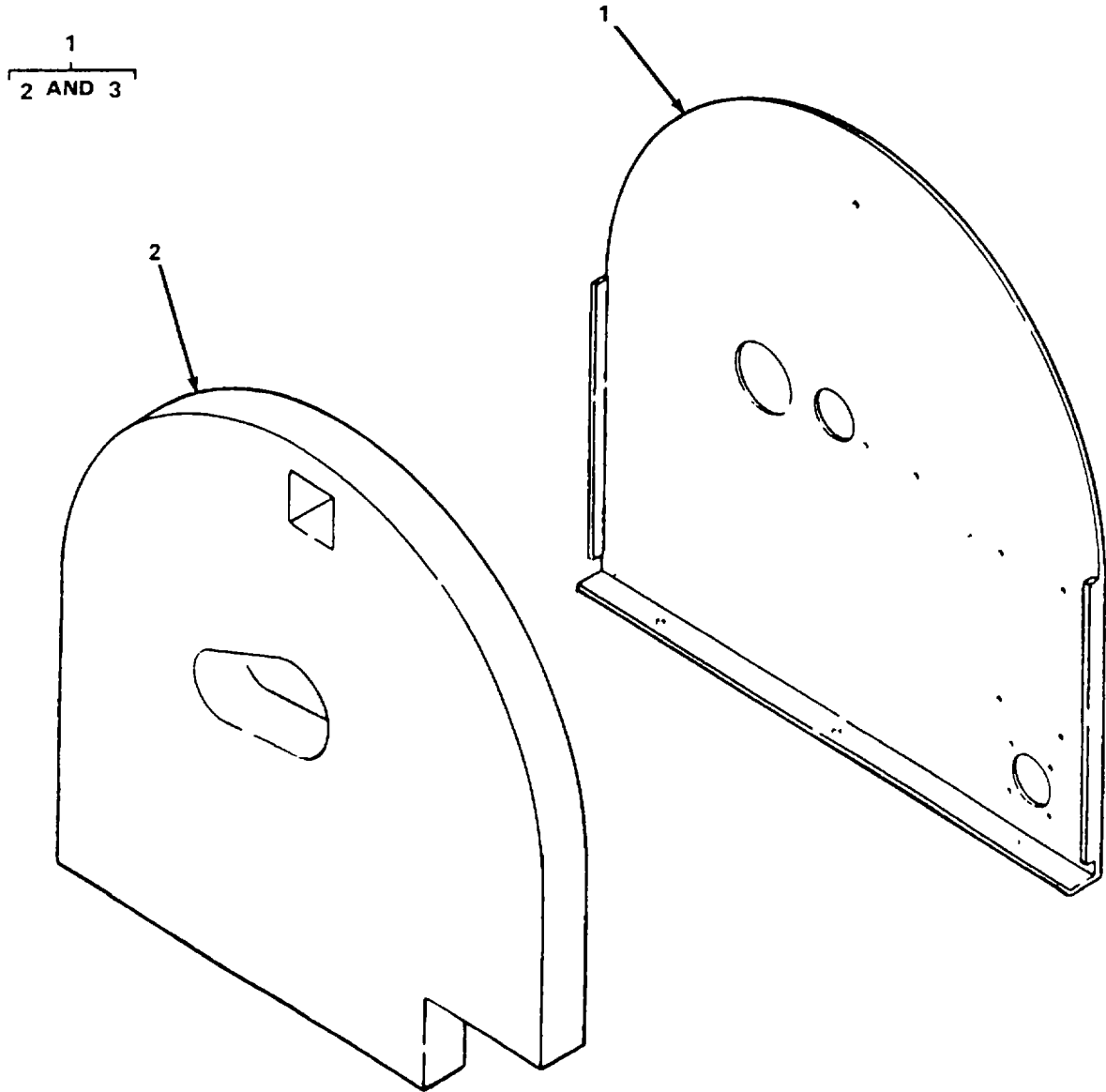


Figure 3. Sound Enclosure Rear Panel Assembly.

SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 02 SOUND ENCLOSURE REAR PANEL ASSEMBLY					
FIG. 3 SOUND ENCLOSURE REAR PANEL ASSEMBLY					
1	XBOOO	94703	13230E5609	PANEL ASSEMBLY, REAR .....	1
2	MOOZZ	97403	13229E6785-4	.FOAM, ACCOUSTICAL, MAKE FROM BULK ..... (62408) P/N 763/4750/9425-2.00 54 108, CUT TO LENGTH.....	1
3	XAOZZ	76371	550352001	.PANEL, REAR ENCLOSUR .....	1

END OF FIGURE



2  
3 THRU 5

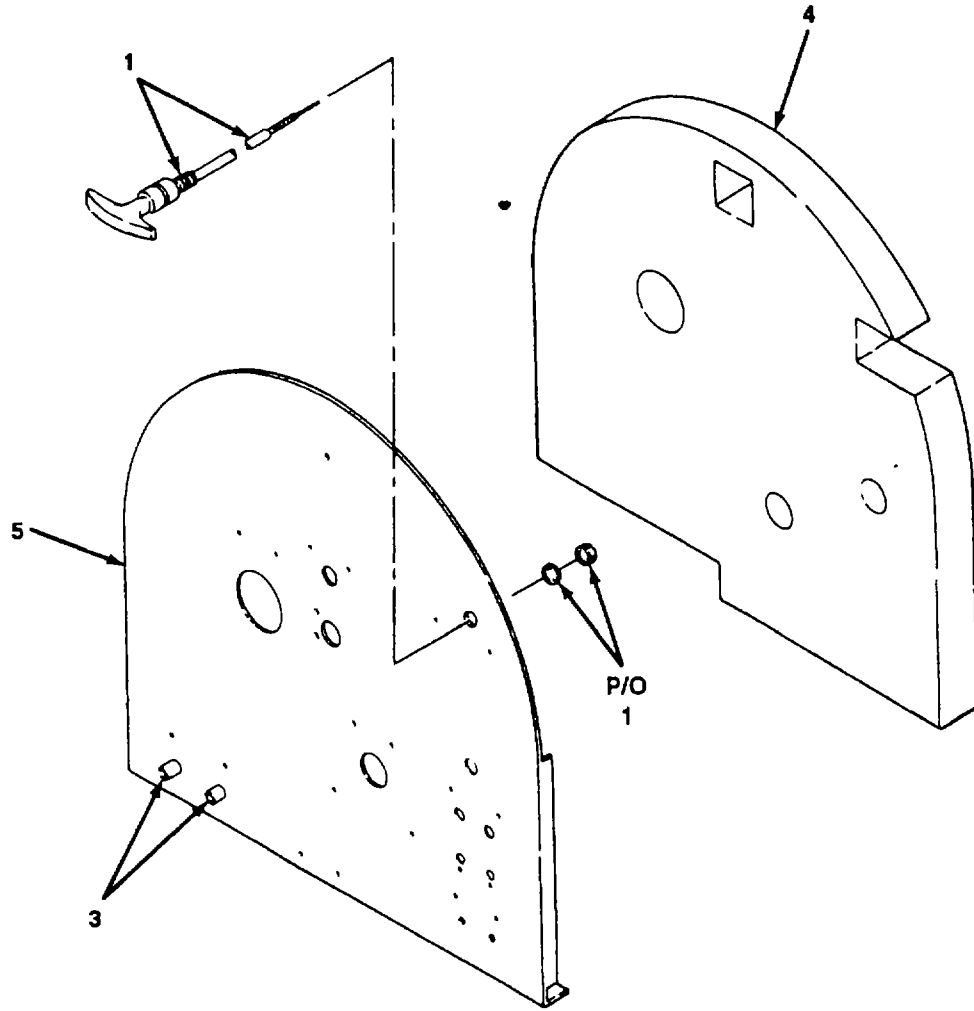


Figure 4. Sound Enclosure Front Panel Assembly and Mechanical Control.

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 03 SOUND ENCLOSURE FRONT PANEL ASSEMBLY AND MECHANICAL CONTROLS	
				FIG. 4 SOUND ENCLOSURE FRONT PANEL ASSEMBLY AND MECHANICAL CONTROL	
1	PAOZZ	70436	112-032-103	CATCH, CLAMPING THROTTLE .....	1
2	XBOOO	97403	13230E5608	PANEL ASSEMBLY, FRON .....	1
3	PAOZZ	81349	M52618/IE03XB	.COUPLING, PIPE OIL/WATER DRAINS .....	2
4	MOOZZ	97403	13229E6785-4	.FOAM, ACOUSTICAL, MAKE FROM BULK..... (62408), P/N 763/4750 /9425-2.00 54 108 CUT TO LEN GTH.....	1
5	XAOZZ	76317	5500351001	.PANEL, FRONT ENCLOSU .....	1

END OF FIGURE

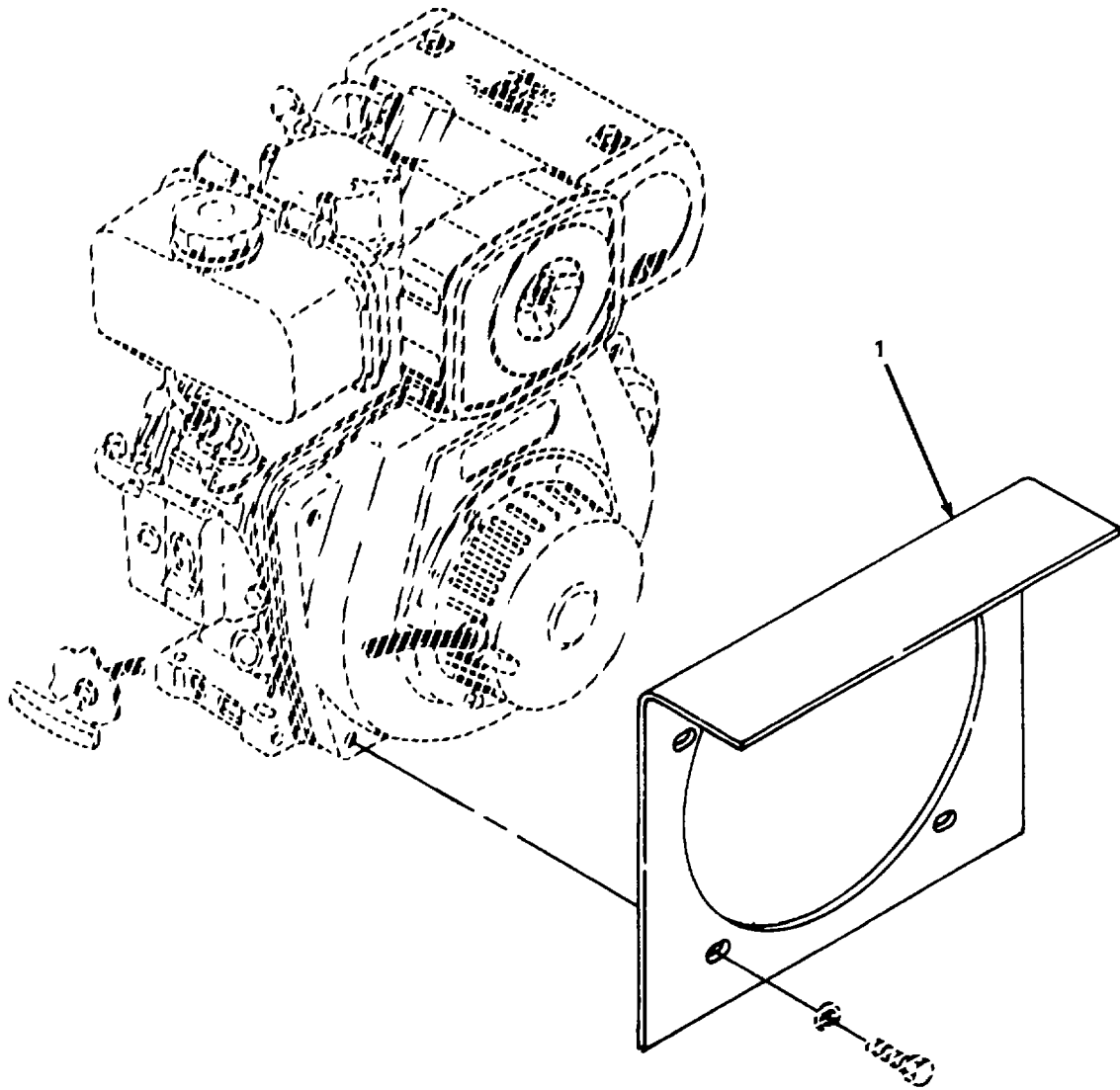


Figure 5. Sound Enclosure Baffle.

SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 03 SOUND ENCLOL, LURE FRONI PANEL ASSEHMILY AND MECHANICAL CONTROLS	
				FIG. 5 SOUND ENCLOSURE BAFFLE	
1	XBOZZ	97403	13230E5607	BAFFLE, SOUND ENCLOSURE .....	1

END OF FIGURE

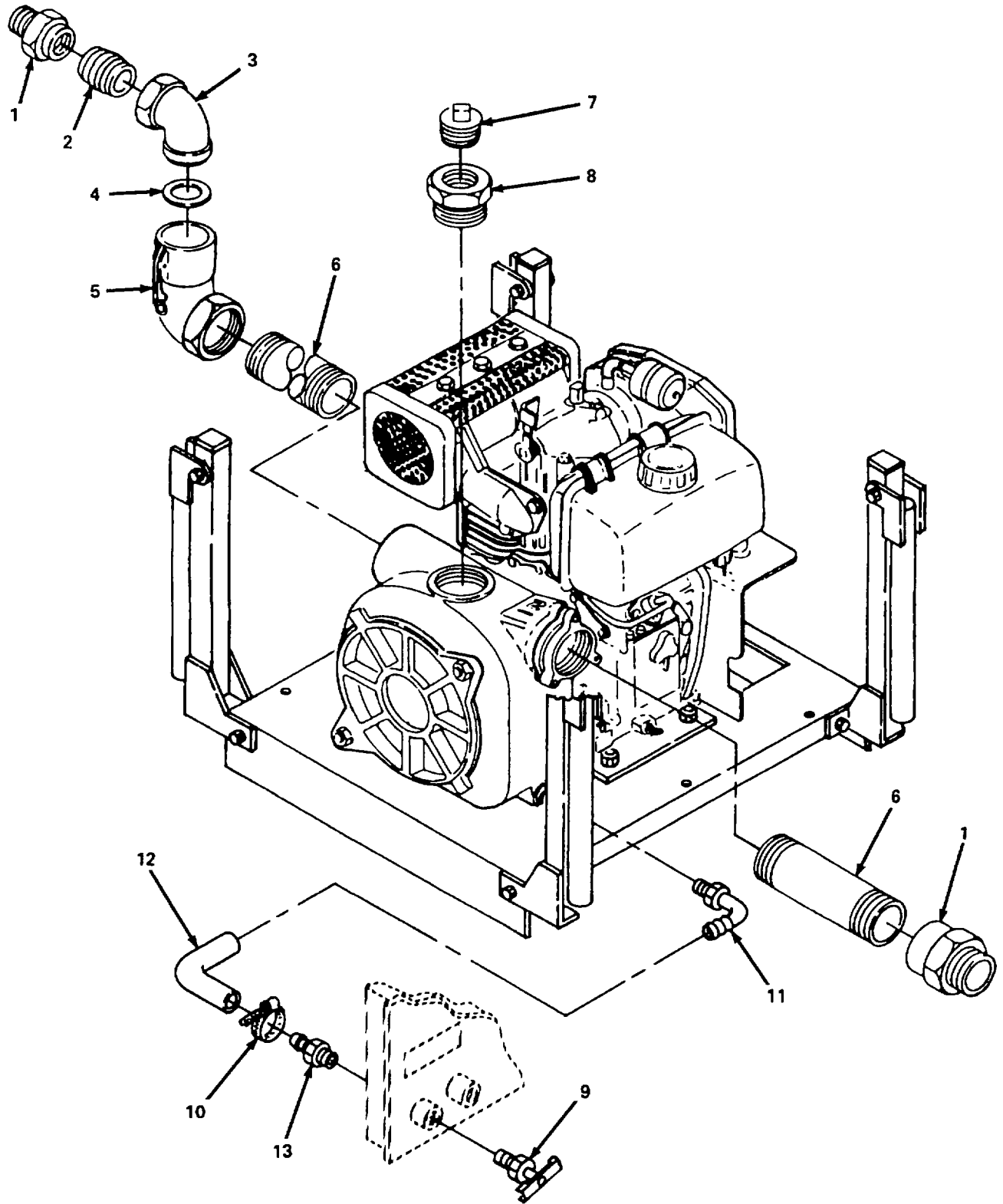


Figure 6. Pump Suction and Discharge Coupling and Fittings.

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 04 GROUP					
FIG. 6 PUMP SUCTION AND DISCHARGE COUPLING AND FITTINGS					
1	XBOZZ	97403	13221E8278-2	COUPLING, PIPE 2 X 2 IN., NPSH, ..... BRASS .....	2
2	XBOZZ	96906	MS51846-152	NIPPLE, PIPE .....	2
3	XBOZZ	97403	13229E6789-2	COUPLING HALF, QUICK.....	2
4	PAOZZ	96906	MS27030-6	GASKET .....	1
5	XBOZZ	97403	13228E9842-4	COUPLING HALF, QUICK .....	2
6	XBOZZ	96906	MS51846-162	NIPPLE.....	2
7	XBOZZ	81348	WW-P-471-A-A-BU- H	PLUG, PIPE, SQUARE .....	1
8	XBOZZ	97403	13218E0468-227	BUSHING, PIPE .....	1
9	PAOZZ	96906	MS35782-6	COCK, DRAIN PUMP .....	1
10	PAOZZ	96906	MS35842-10	CLAMP, HOSE , WATER DRAIN .....	1
11	PAOZZ	57487	1213-2-38	ELBOW, PIPE BEADED HOSE BARB X..... 00.375IN.NPT.....	1
12	MOOZZ	76371	5500293001	HOSE, NONMETALLIC WATER, MAKE FROM.. CAGE 01276 P/N 1526-6.....	1
13	PAOZZ	93061	68HB-6-6	ADAPTER, STRAIGHT, PI BEADED HOSE ..... BARB X 00.3751N. MPT.....	1

END OF FIGURE

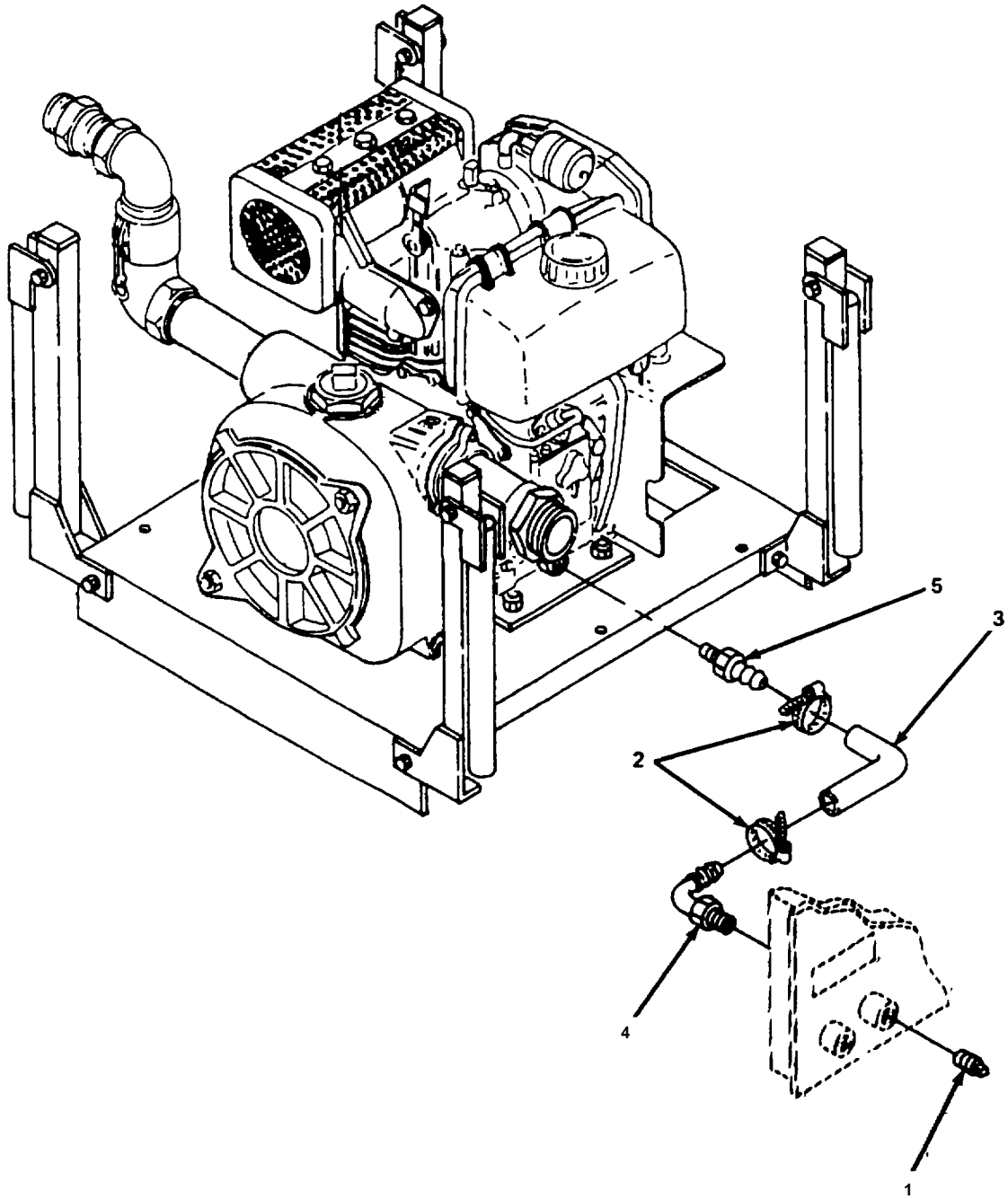


Figure 7. Engine Oil Drain Hose and Fittings.

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 04 PUMP					
FIG. 7 ENGINE OIL DRAIN HOSE AND FITTINGS					
1	PAOZZ	96906	MS20913-3J	PLUG, PIPE OIL DRAIN .....	1
2	PAOZZ	96906	MS35842-10	CLAMP, HOSE OIL DRAIN .....	2
3	MOOZZ	76371	5500293000	HOSE, NONMETALLIC MAKE FROM BULK..... (01276) P/N 1525-6, CUT TO LENGTH.....	1
4	PAOZZ	57487	1213-2-38	ELBOW, PIPE BARB X 00.375IN NPT .....	1
5	PAOZZ	01276	07.021-10-6	ADAPTER, STRAIGHT, TU SOCKETLESS .....	1

END OF FIGURE



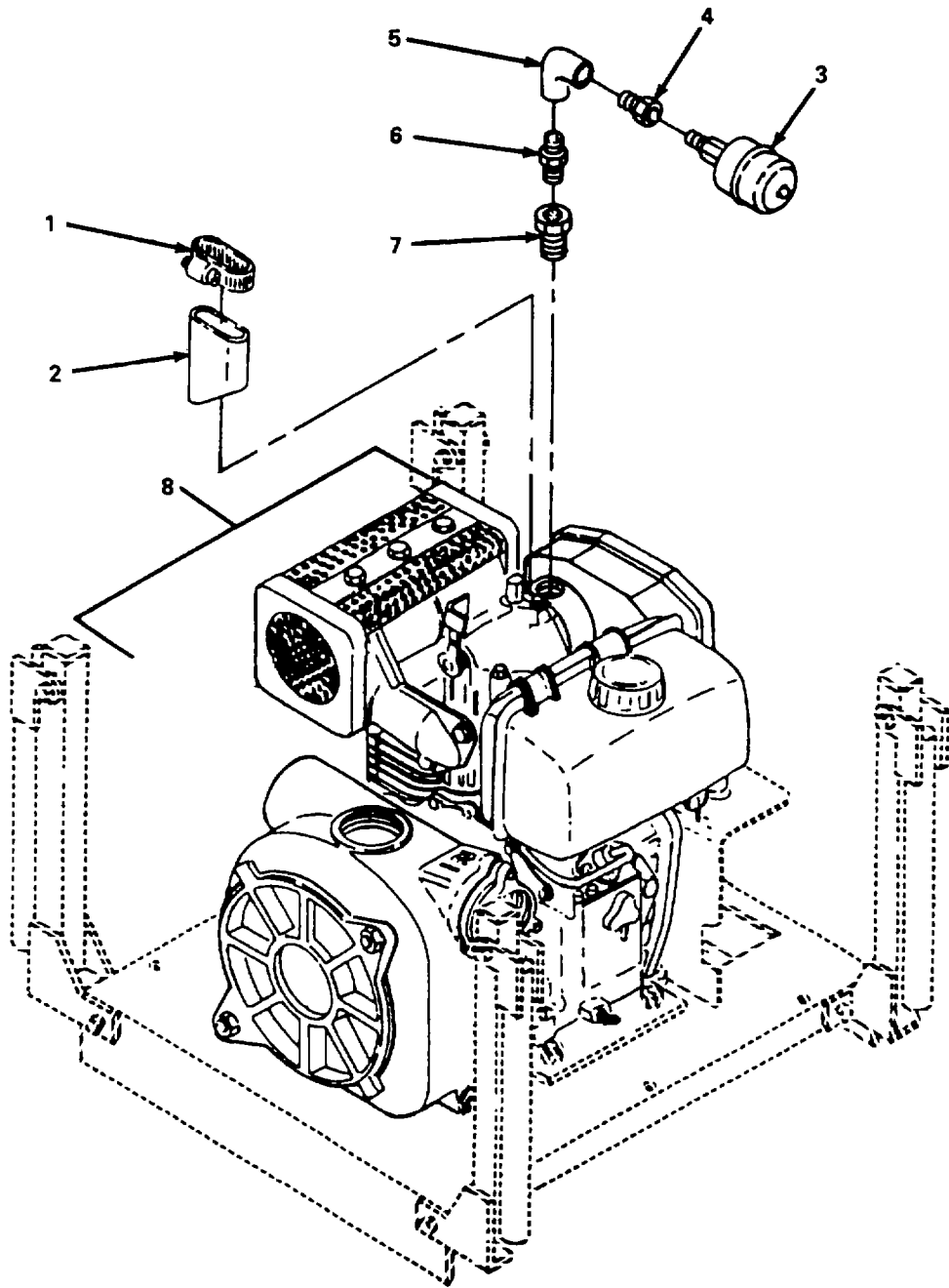


Figure 8. Pump and Engine Assembly.

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 04 PUMP					
FIG. 8 PUMP AND ENGINE ASSEMBLY					
1	PAOZZ	96906	MS35842-12	CLAMP, HOSE AIR INTAKE .....	1
2	MOOZZ	97403	13228E9862	HOSE, AIR INTAKE HOSE, AIR INTAKE, .....	1
				MAKE FROM BULK CAGE 01276 P/N 1525- .....	
				6 CUT ON DIAGONAL 1.5.....	
4	XBOZZ	18265	P11-2257	NIPPLE, PIPE .....	1
5	PAOZZ	93061	2202P2-2	ELBOW, PIPE .....	1
6	PAOZZ	96906	MS51846-1	NIPPLE, PIPE .....	1
7	XBOZZ	88044	AN910-1	COUPLING 00.125IN.FPT X.....	1
				00.125IN.FPT, N.150 .....	
8	PDHHH	97403	13228E9861	ASSY, PUMP & ENG CENTRIFUGAL, 125.....	1
				GPM..M.....	

END OF FIGURE

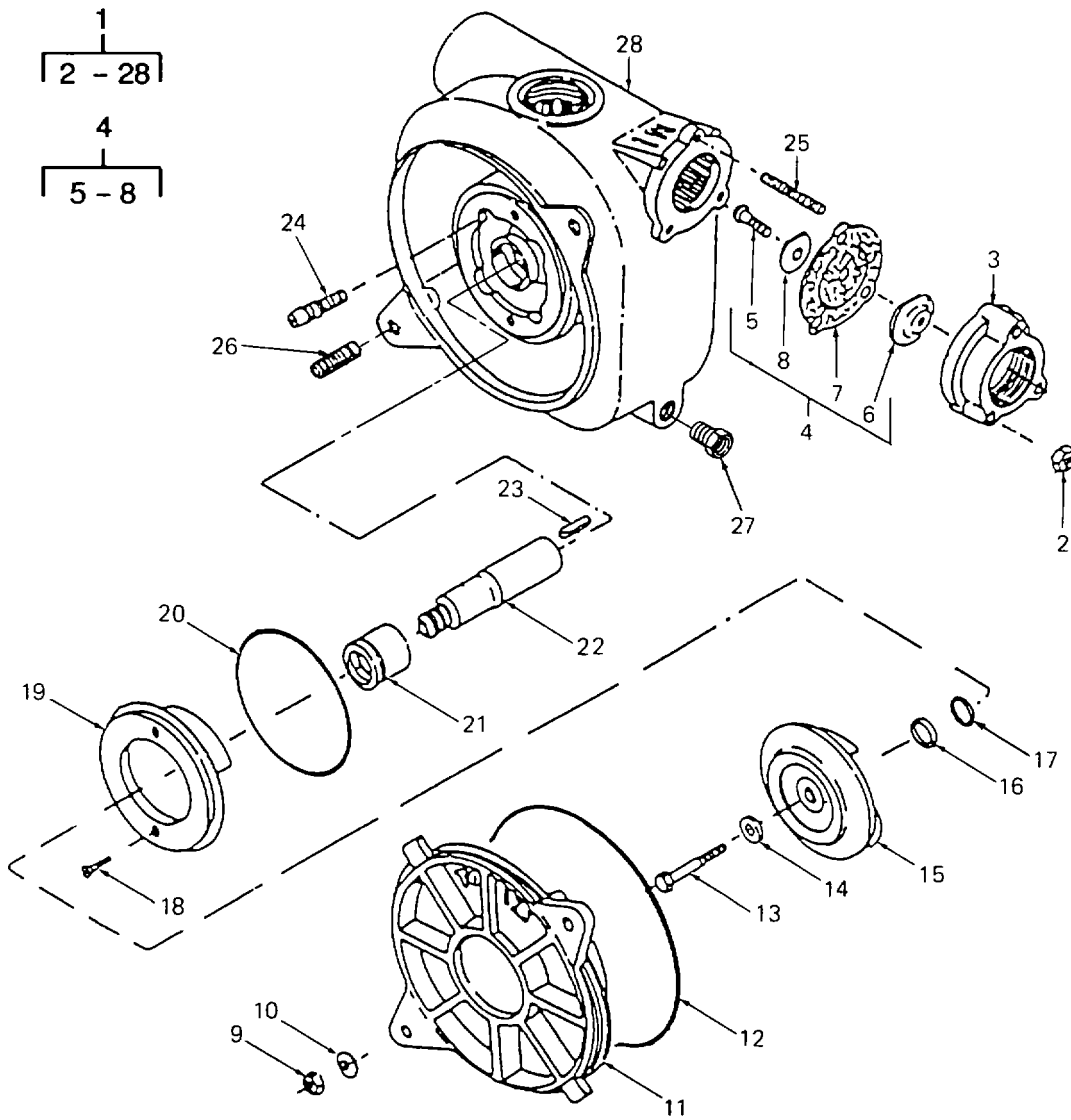


Figure 9. Centrifugal Pump Assembly

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 04 PUMP					
FIG. 9 CENTRIFUGAL PUMP ASSEMBLY					
1	PDHFF	97403	13228E9870	..PUMP, CENTRIFUGAL CENTRIFUGAL, 125..... GPM .....	1
2	PAOZZ	96906	MS51968-5	..NUT, PLAIN, HEXAGON .....	3
3	XBOZZ	14180	FP4146	..FLANGE, PIPE .....	1
4	PAOOO	14180	FA3775	..VALVE, CHECK ASSY .....	1
5	PAOZZ	03950	ANSIB18.6.3-1/4- 20UNC2A1/2L	..SCREW, MACHINE, 0.25 IN. X 20..... UNC X.500SIN.LNG.....	1
6	XBOZZ	97403	13200E8811	..WEIGHT, CHECK VALVE .....	1
7	PAOZZ	97403	13200E8813	..GASKET .....	1
8	XBOZZ	97403	13200E8812	..WEIGHT, CHECK VALVE .....	1
9	PAFZZ	96906	MS51968-14	..NUT, PLAIN, HEXAGON .....	2
10	PAFZZ	96906	MS27183-18	..WASHER, FLAT .....	2
11	XBFZZ	14180	FP4144	..VOLUTE, PUMP .....	1
12	PAFZZ	96906	MS29513-273	..PACKING, PREFORMED .....	1
13	PAFZZ	96906	MS90726-45	..BOLT, MACHINE .....	1
14	PAFZZ	14180	T22720	..RETAINER, PACKING .....	1
15	XBFZZ	97403	13200E8808	..IMPELLER, PUMP, CENTR .....	1
16	PAFZZ	97403	13200E8807-1	..SHIM 1 X.010 .....	1
17	PAFZZ	97403	13200E8807-2	..WASHER, FLAT 1 X.005 .....	1
18	PAFZZ	96906	NS35198-70	..SCREW, MACHINE .....	2
19	XBFZZ	97403	13200E8815	..PLATE, WEAR, ROTARY P .....	1
20	PAFZZ	96906	MS29513-253	..PACKING, PREFORMED .....	1
21	PAFZZ	73680	70002-0012	..SEAL, SHAFT .....	1
22	XBFZZ	97403	13200E8804	..SHAFT, SHOULDERED .....	1
23	PAFZZ	96906	MS20066-163	..KEY, MACHINE .....	1
24	PAFZZ	97403	13228E9869	..SCREW, CAP, SOCKET HE .....	4
25	PAFZZ	96906	MS51864-103-18	..STUD .....	3
26	PAFZZ	96906	MS51864-106-20	..STUD, PLAIN .....	2
27	PAFZZ	96906	MS14315-4X	..PIPE FITTING, BUSHI .....	1
28	XBFZZ	97403	13200E8803	..HOUSING, LIQUID PUMP .....	1

END OF FIGURE

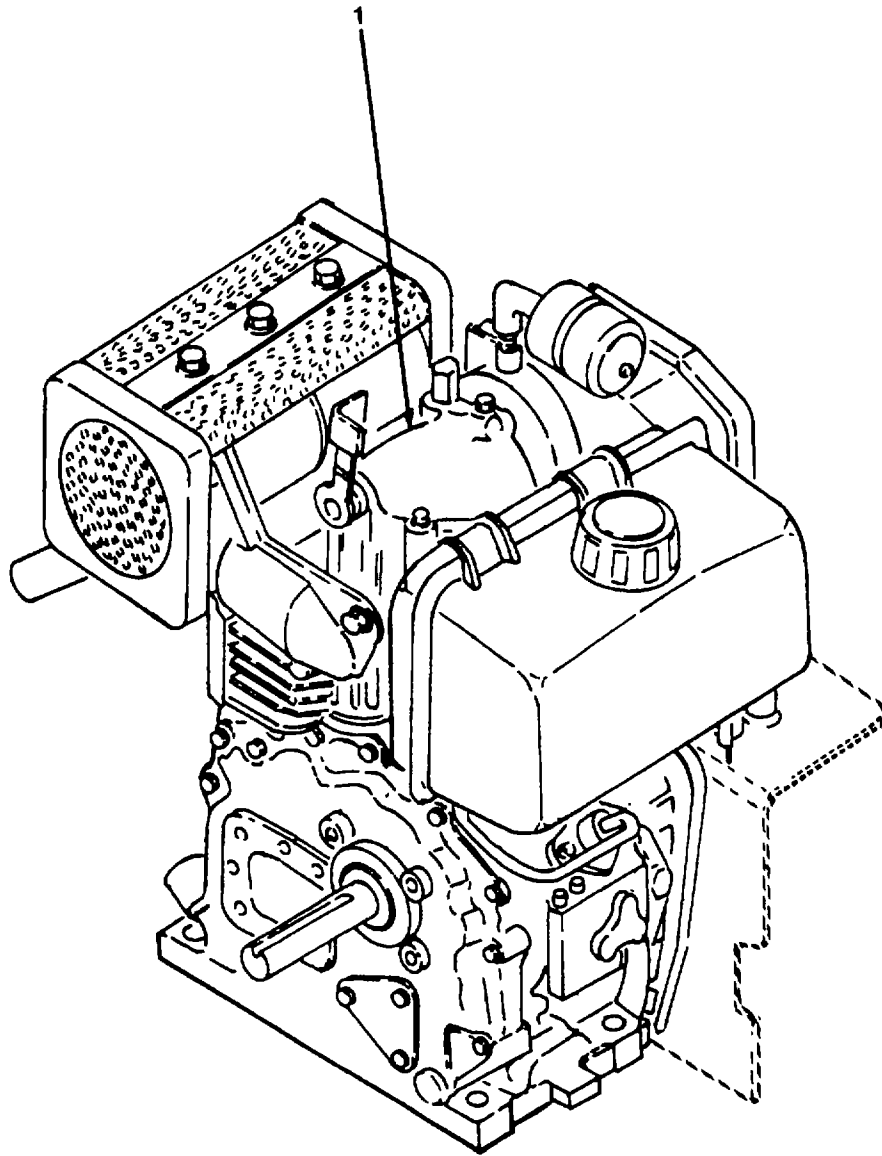


Figure 10. Diesel Engine Assembly.

SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 05 ENGINE	
				FIG. 10 DIESEL ENGINE ASSEMBLY	
1	PDHFF	97403	13228E9863	.ENGINE, DIESEL, AIR ALTERED .....	1
				9740313228E9849-2.....	1

END OF FIGURE

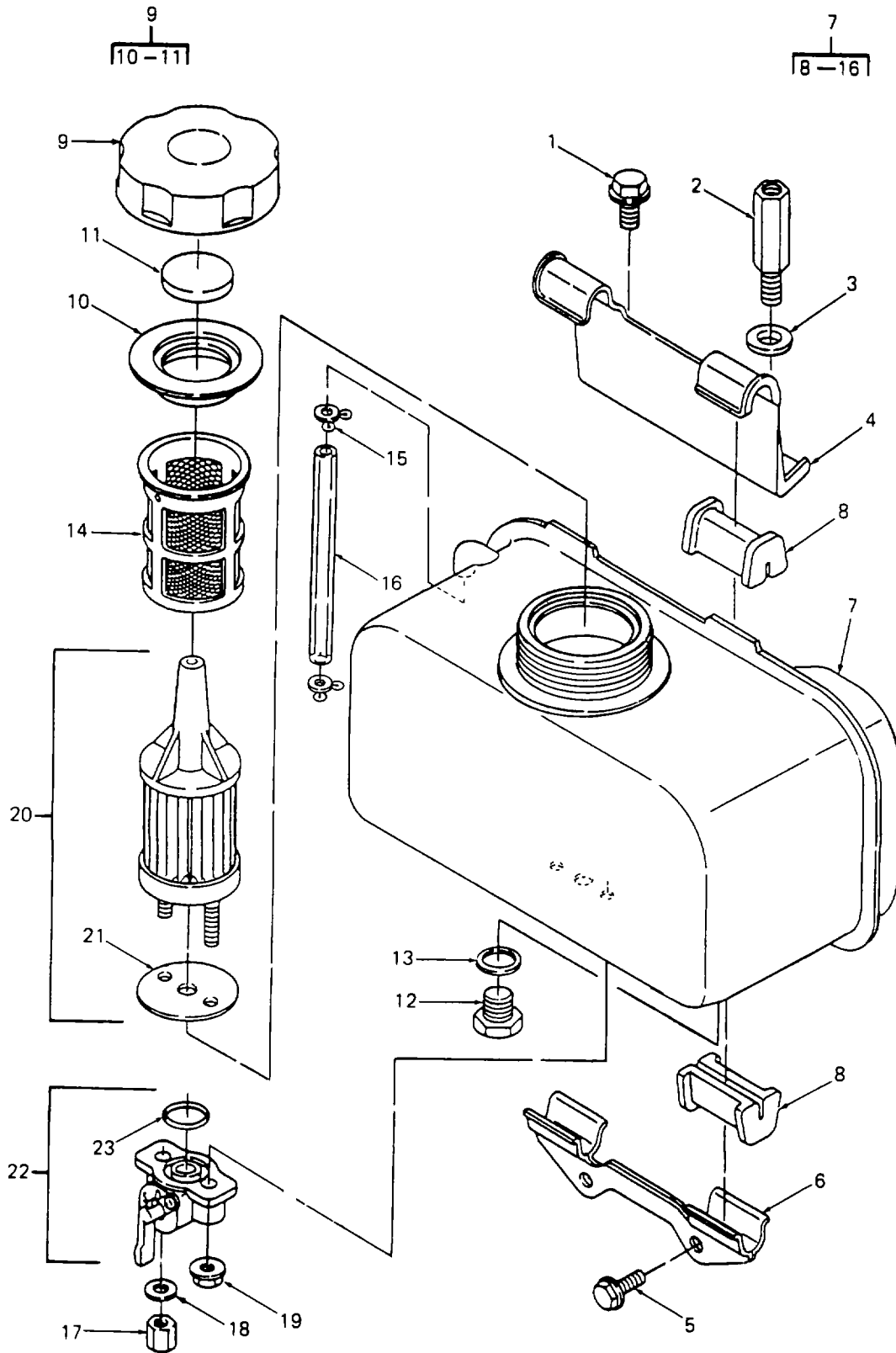


Figure 11. Fuel Tank Assembly

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 11 FUEL TANK ASSEMBLY					
1	PAOZZ	OAK42	26106-080452	..BOLT, MACHINE HEAD, FLANGED, 8MM..... X 16, PLATED.....	1
2	XBOZZ	OAK42	114650-55810	..BOLT, MACHINE.....	1
3	XBOZZ	OAK42	22117-080000	..WASHER, FLAT 8MM .....	1
4	XBOZZ	OAK42	114250-55231	..STAY, TOP .....	1
5	PAOZZ	OAK42	26476-060142	..BOLT, MACHINE HEAD, FLANGED, 6MM..... X 14.....	2
6	XBOZZ	OAK42	114250-55211	..STAY, BOTTOM.....	1
7	XBOZZ	OAK42	714250-55711	..TANK ASSEMBLY, FUEL.....	1
8	XBOZZ	OAK42	114250-55200	...DAMPER.....	4
9	PAOZZ	OAK42	114250-55041	...CAP, FILLER OPENING.....	1
10	PAOZZ	OAK42	114250-55050	...GASKET.....	1
11	PAOZZ	OAK42	114250-55060	...SEAL, PLAIN.....	1
12	PAOZZ	OAK42	23887-120002	...PLUG, EXPANSION 12MM.....	1
13	PAOZZ	OAK42	23414-120000	...PACKING, PREFORMED.....	1
14	PAOZZ	OAK42	114250-55100	...FILTER, GAS .....	1
15	XBOZZ	OAK42	124722-59050	...CLAMP, LOOP.....	2
16	XBOZZ	OAK42	114350-55150	...PIPE, GUAGE .....	1
17	PAOZZ	OAK42	114252-55800	..NUT, PLAIN, HEXAGON.....	1
18	PAOZZ	OAK42	22117-060000	..WASHER, FLAT 6MM.....	1
19	PAOZZ	OAK42	26366-060002	..NUT, PLAIN, HEXAGON HEAD, FLANGED, .... 6MM.....	1
20	PAOZZ	OAK42	114350-55120	..FILTER, GAS.....	1
21	PAOZZ	OAK42	114250-55130	...GASKET.....	1
22	XBOZZ	OAK42	114250-55300	..COCK, SHUTOFF, SCREW.....	1
23	PAOZZ	OAK42	24341-000150	...PACKING, PREFORMED.....	1

END OF FIGURE



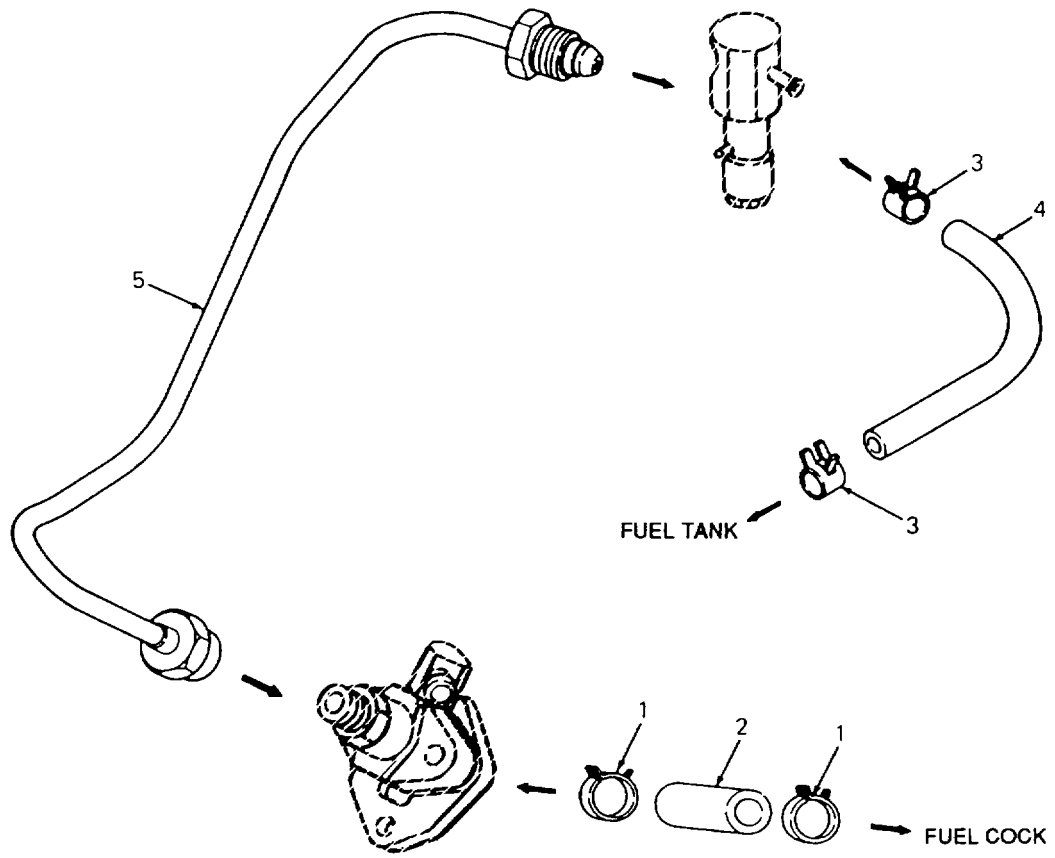


Figure 12. Fuel Injection Pipe

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 12 FUEL INJECTION PIPE					
1	PAOZZ	OAK42	106990-44660	..CLAMP, LOOP .....	1
2	XBOZZ	OAK42	114250-59050	..PIPE, FUEL OIL .....	1
3	PAOZZ	OAK42	124722-59050	..CLAMP, LOOP .....	2
4	XBOZZ	OAK42	114250-59060	..HOSE, NONMETALLIC .....	1
5	XBOZZ	OAK42	114250-59800	..PIPE, FUEL INJECTION .....	1

END OF FIGURE

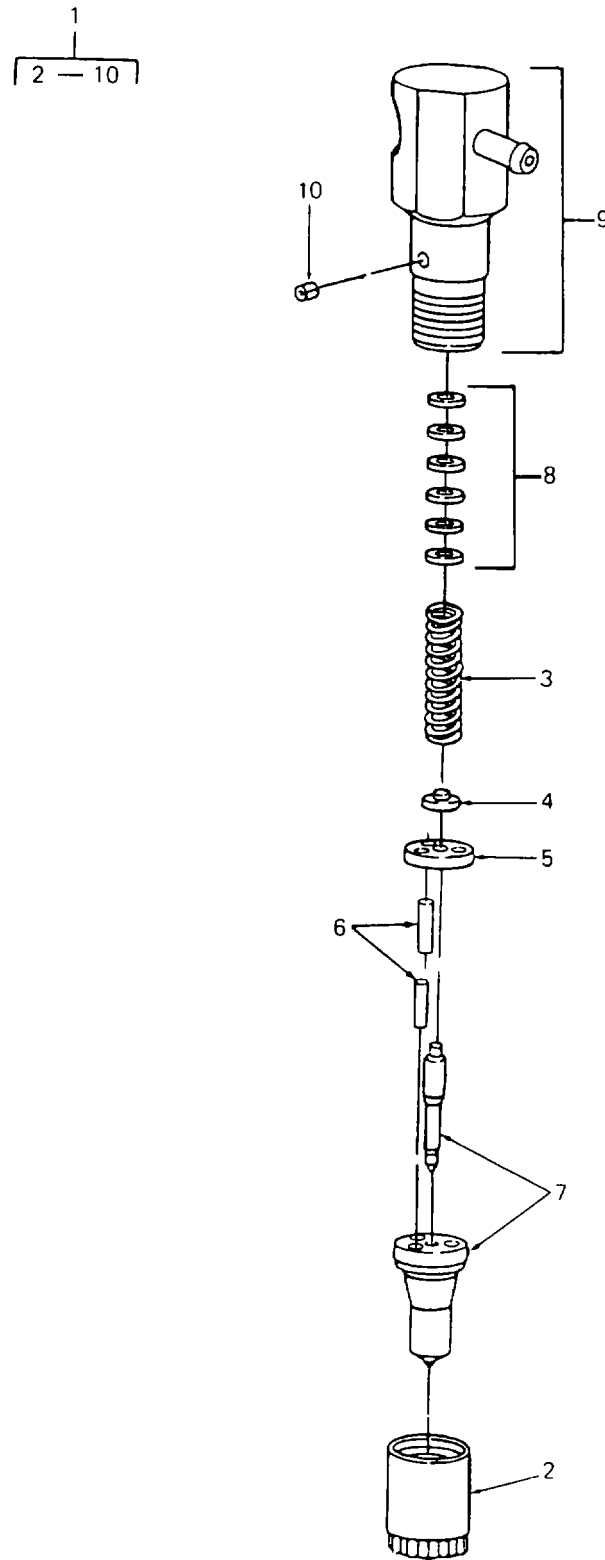


Figure 13. Fuel Injection Nozzle Assembly

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 13 FUEL INJECTION NOZZLE ASSEMBLY					
1	PAOZZ	OAK42	714250-53101	..PUMP, FUEL, METERING FUEL INJECTION...	1
2	XAFZZ	OAK42	114250-53080	...NUT, NOZZLE .....	1
3	XAFZZ	OAK42	114250-53120	...SPRING, HELICAL, COMP .....	1
4	XAFZZ	OAK42	114250-53130	...RETAINER, HELICAL CO .....	1
5	XAFZZ	OAK42	114250-53140	...PLATE, VALVE STOP .....	1
6	XAFZZ	OAK42	114250-53210	...PIN .....	2
7	XAFZZ	OAK42	114250-53001	...NOZZLE, FUEL INJECTI .....	10
8	XAFZZ	OAK42	114250-53400	...SHIM SET .....	1
9	XAFZZ	OAK42	114250-53300	...HOLDER ASSEMBLY, NOZZLE .....	1
10	XAFZZ	OAK42	114250-53331	....PIN, SPRING .....	1

END OF FIGURE

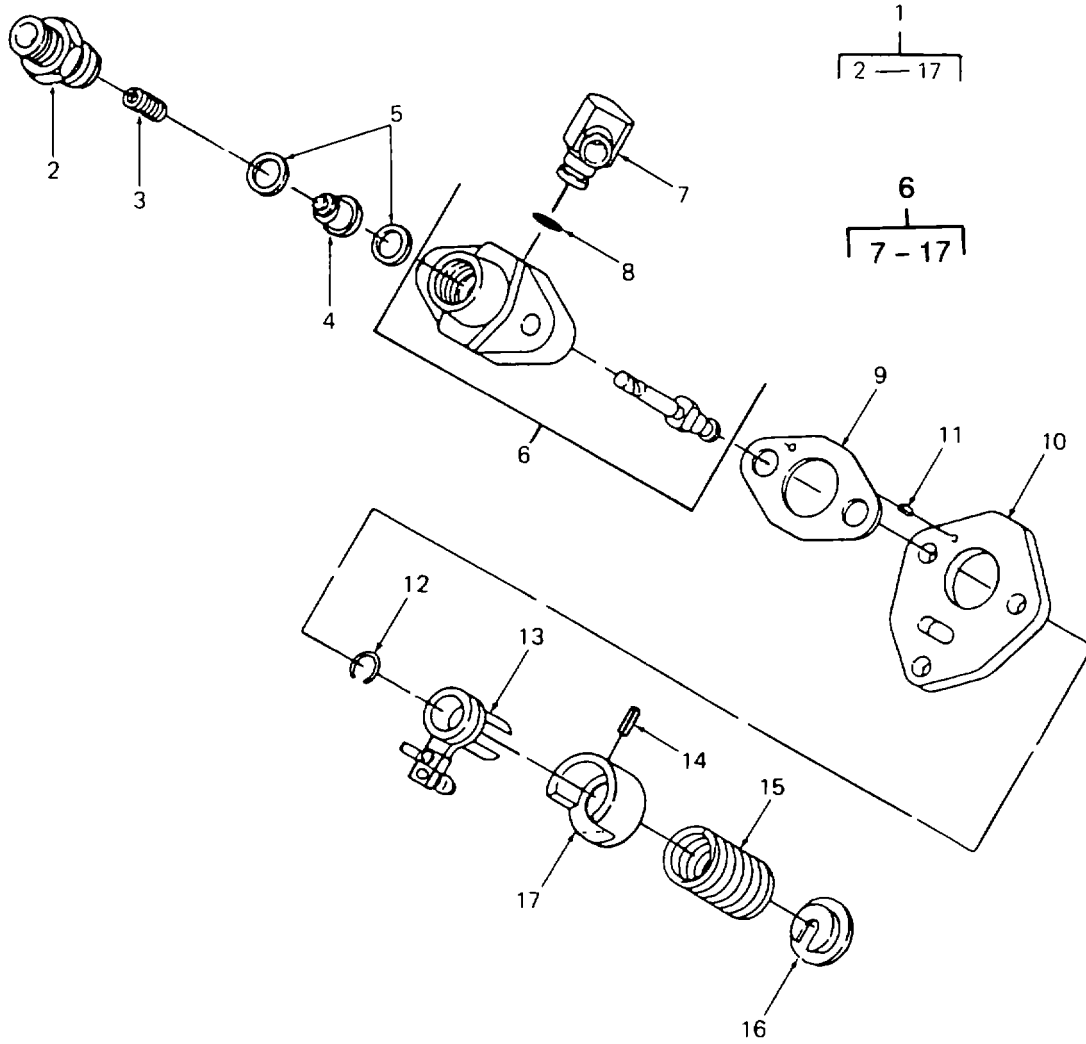


Figure 14. Fuel Injection Pump Assembly

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 14 FUEL INJECTION PUMP ASSEMBLY					
1	PAFZZ	OAK42	714250-51710	..PUMP ASSEMBLY, FUEL .....	1
2	XAFZZ	OAK42	114250-51340	...HOLDER .....	1
3	XAFZZ	OAK42	105546-51330	...SPRING, HELICAL, COMP .....	1
4	XAFZZ	OAK42	114250-51300	...VALVE, ASSEMBLY .....	1
5	XAFZZ	OAK42	114550-51350	...GASKET .....	2
6	XAFZZ	OAK42	114250-51200	...BODY ASSY, PUMP .....	1
7	XAFZZ	OAK42	114250-51180	....JOINT .....	1
8	XAFZZ	OAK42	114250-51190	....PACKING, PREFORMED .....	1
9	XAFZZ	OAK42	105546-51020	....GASKET .....	1
10	XAFZZ	OAK42	114250-51080	....PLATE .....	1
11	XAFZZ	OAK42	22351-020006	....PIN, SPRING 2 X 6MM.....	1
12	XAFZZ	OAK42	114250-51150	....RING, RETAINNG .....	1
13	XAFZZ	OAK42	114250-51600	....LEVER ASSEMBLY .....	1
14	XAFZZ	OAK42	22351-030008	....PIN, SPRING 3 X 8MM .....	1
15	XAOZZ	OAK42	114250-51160	....SPRING, HELICAL, COMP .....	1
16	XAFZZ	OAK42	114250-51650	....SEAT, SPRING .....	1
17	XAFZZ	OAK42	114250-51640	....SEAT, SPRING .....	1

END OF FIGURE

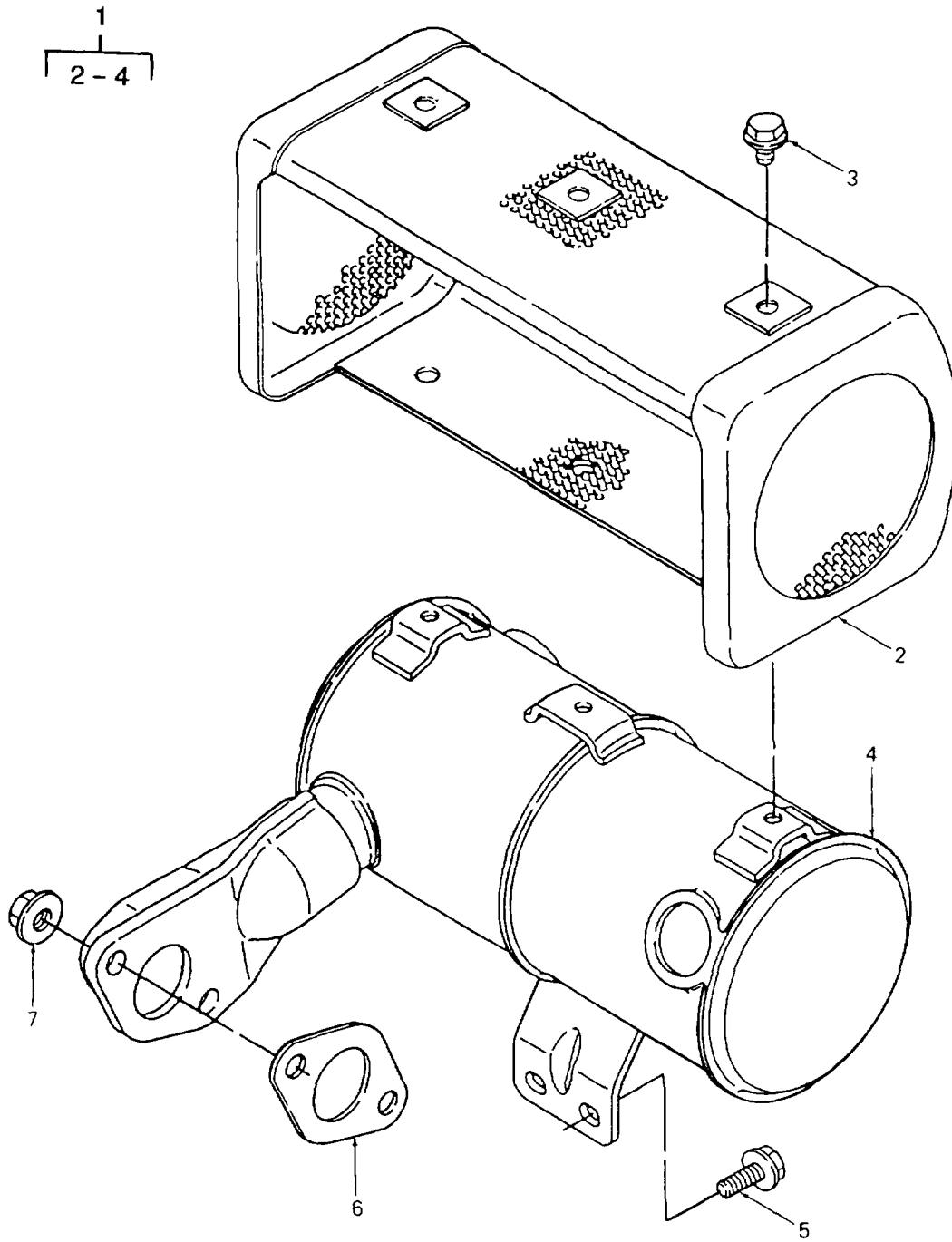


Figure 15. Exhaust Silencer Assembly

## SECTION II

TM10-4320-325-24P

(1) ITEM NO.	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 15 EXHAUST SILENCER ASSEMBLY					
1	XBOZZ	OAK42	114250-13521	..SILENCER ASSEMBLY .....	1
2	XBOZZ	OAK42	114250-13701	...COVER, SILENCER .....	1
3	PAOZZ	OAK42	26106-060082	...BOLT, METRIC, HEX HEAD, FLANGED, ..... 6MM X 8MM, PLATED .....	6
4	PAOZZ	OAK42	114250-13521	...PNEUMATIC MUFFLER, E .....	1
5	PAOZZ	OAK42	26106-060122	..BOLT, METRIC, HEX HEAD, FLANGED, ..... 6MM X 12MM, PLATE.....	2
6	PAOZZ	OAK42	114250-13200	..GASKET GASKET.....	2
7	XBOZZ	OAK42	26366-080002	..NUT, PLAIN, HEXAGON HEAD, FLANGED, .... 8MM.....	2

END OF FIGURE



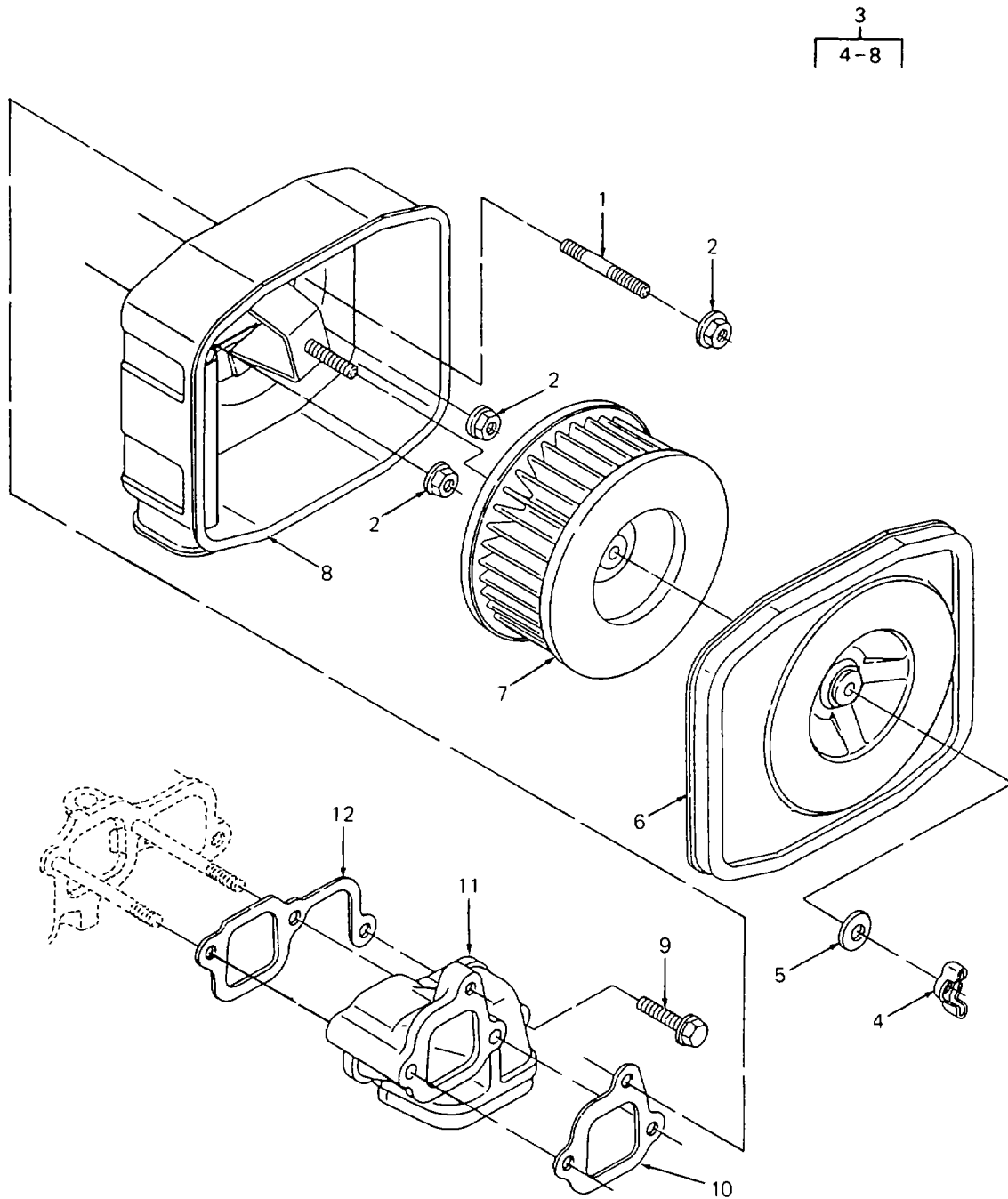


Figure 16. Air Cleaner Assembly and Air Intake Bend

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 16 AIR CLEANER ASSEMBLY AND AIR INTAKE BEND					
1	XBOZZ	OAK42	26226-060142	..STUD PLATED, 6MM X 16.....	1
2	PAOZZ	OAK42	26366-060002	..NUT, PLAIN, HEXAGON FLANGED, 6MM.....	3
3	PAOZZ	OAK42	714250-12560	..AIR CLEANER, INTAKE AIR, WITHOUT..... MODIFIED CASE.....	1
4	PAOZZ	OAK42	114250-12550	...NUT, PLAIN, WING 6MM.....	1
5	PAOZZ	OAK42	114250-12560	...WASHER, SEAL.....	1
6	XBOZZ	OAK42	114250-12520	...COVER .....	1
7	PAOZZ	OAK42	114250-12580	...FILTER ELEMENT, INTA .....	1
8	XBOZZ	97403	13228E9863-1	...CASE, MODIFIED .....	1
9	PAOZZ	OAK42	26106-060252	..BOLT, METRIC, HEX HD. FLANGED, 6MM..... X 25, PLATED. ....	1
10	PAOZZ	OAK42	114250-12210	..PACKING, PREFORMED CLEANER .....	1
11	XBFZZ	OAK42	114250-12010	..PIPE, AIR INTAKE .....	1
12	PAFZZ	OAK42	114250-12200	..GASKET.....	1

END OF FIGURE

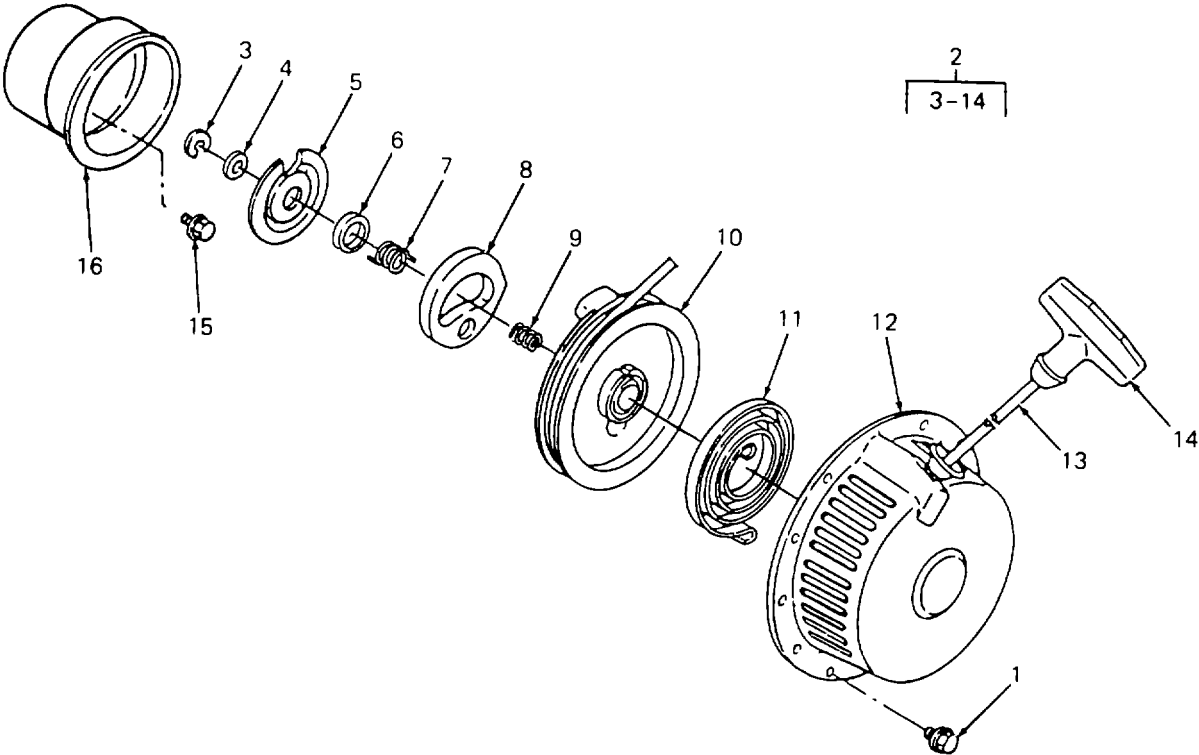


Figure 17. Recoil Starter assembly

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 17 RECOIL STARTER ASSEMBLY					
1	PAOZZ	OAK42	26106-060082.	..BOLT, METRIC, HEX HEAD, FLANGED, ..... 6MM X 8, PLATED.....	4
2	PAOOO	OAK42	714260-76820	..STARTER, ENGINE, HAND STARTER.....	1
3	XAOZZ	OAK42	160260-76600	...CLIP, RETAINING.....	1
4	XAOZZ	OAK42	160260-76550	...WASHER, FLAT.....	1
5	XAOZZ	OAK42	160260-76590	...PLATE, FRICTION.....	1
6	XAOZZ	OAK42	160260-76580	...COVER, SPRING.....	1
7	XAOZZ	OAK42	160290-76570	...SPRING, HELICAL, COMP.....	1
8	XAOZZ	OAK42	160260-76530	...RATCHET.....	1
9	XAOZZ	OAK42	160260-76560	...SPRING, HELICAL, COMP.....	1
10	XAOZZ	OAK42	160260-76520	...REEL.....	1
11	XAOZZ	OAK42	160260-76540	...SPRING, HELICAL, TORS.....	1
12	XAOZZ	OAK42	714260-76830	...CASE, STARTER.....	1
13	PAOZZ	OAK42	160260-76630	...STARTER ROPE, ENGINE.....	1
14	PAOZZ	OAK42	160260-76620	...HANDLE, STARTING ROP.....	1
15	XAOZZ	OAK42	26106-060122	..BOLT, METRIC, HEX HEAD, FLANGED, ..... 6MM X 12, PLATED.....	3
16	XAOZZ	OAK42	114250-76590	..PULLY, STARTER.....	1

END OF FIGURE

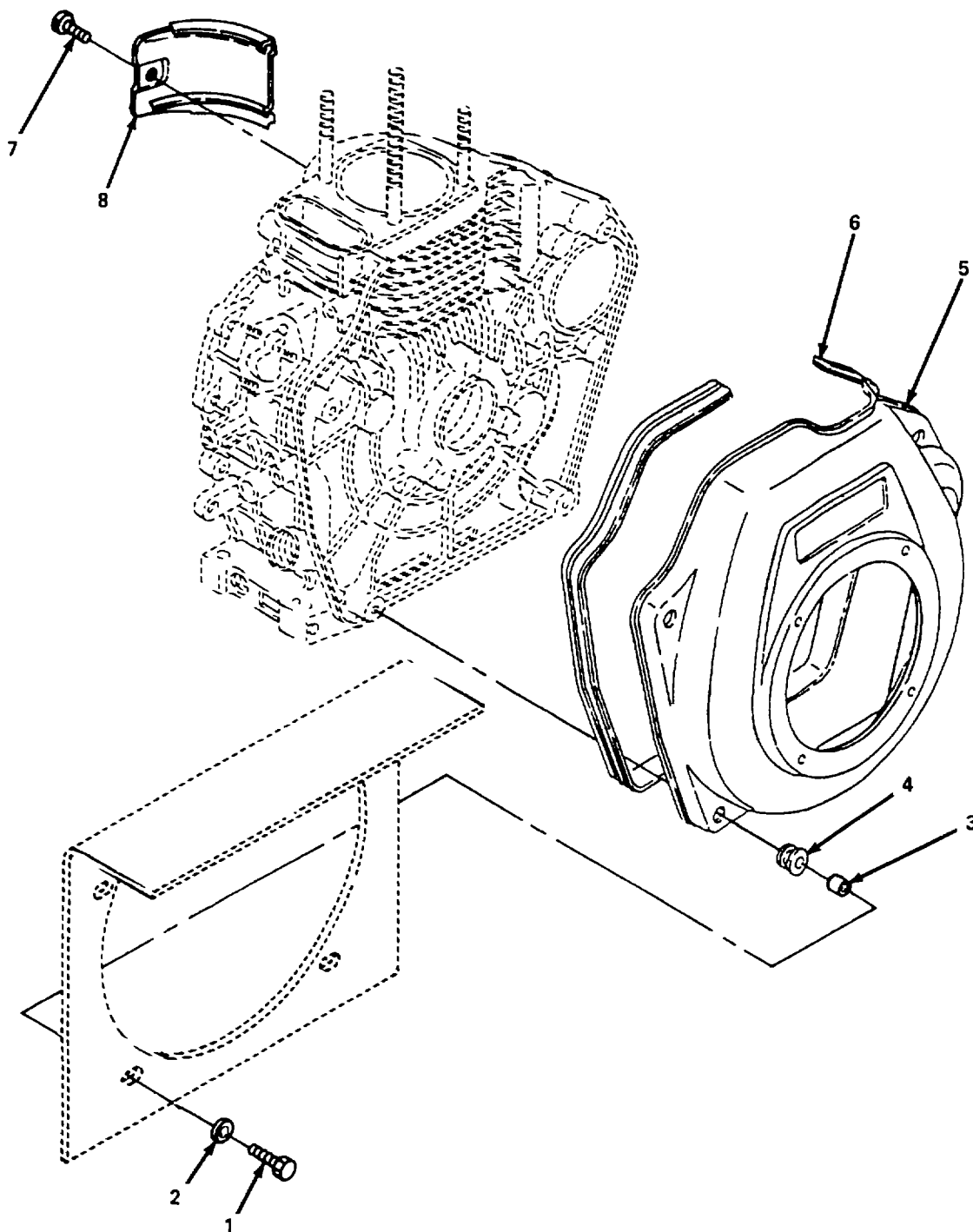


Figure 18. Flywheel Cover.

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 18 FLYWHEEL COVER					
1	PAOZZ	OAK42	26476-060252	..BOLT, METRIC, HEX HEAD, FLANGED, 6MM X 25 .....	4
2	PAOZZ	OAK42	160120-76940	..WASHER, FLAT.....	4
3	PAOZZ	OAK42	114250-45310	..COUPLING, CLAMP, GROO .....	4
4	PAOZZ	OAK42	114250-45300	..RETAINER, ENGINE .....	4
5	XBOZZ	OAK42	114780-45100	..CASE, FLYWHEEL .....	1
6	PAOZZ	OAK42	114250-45330	..SEAL, PLAIN ENCASED .....	1
7	PAOZZ	OAK42	26476-060142	..BOLT, MACHINE.....	1
8	XBOZZ	OAK42	114250-45211	..COVER, ACCESS .....	1

END OF FIGURE

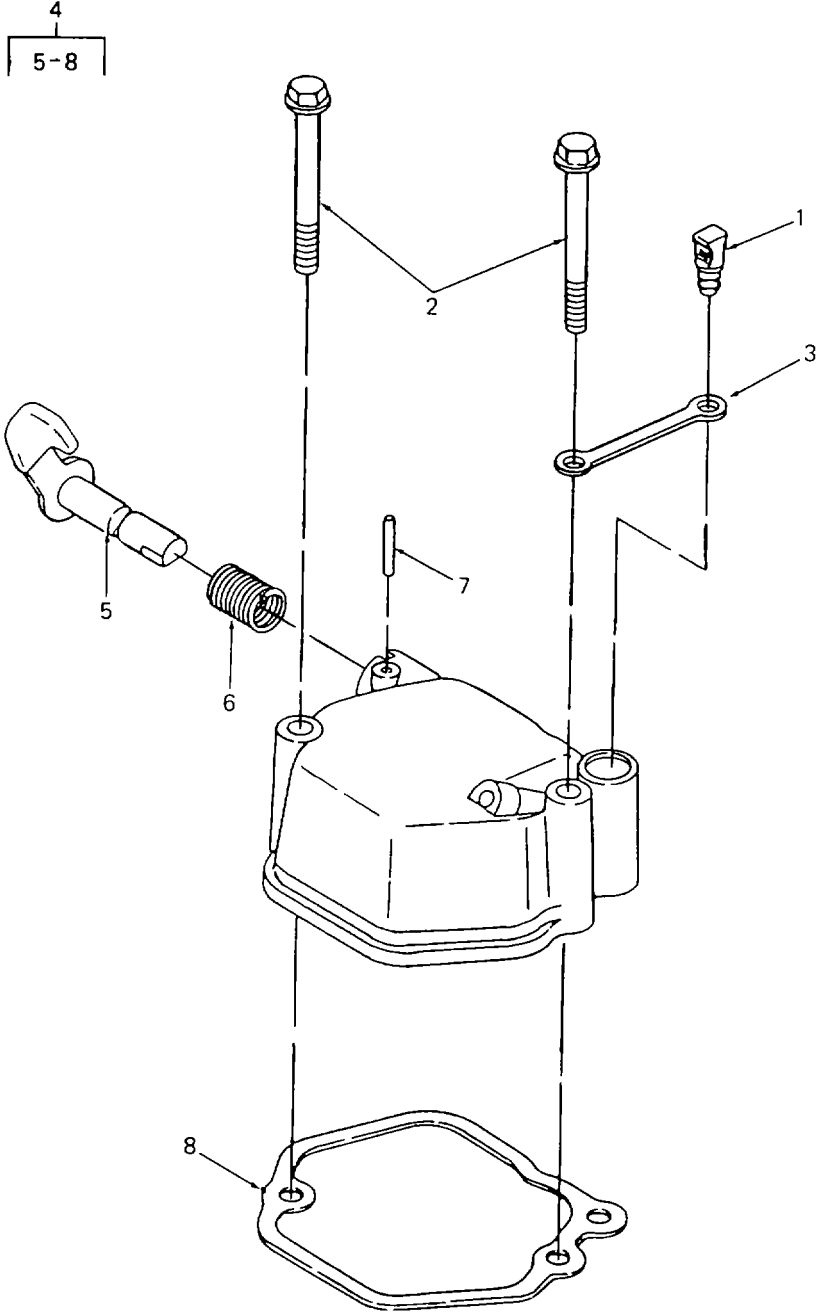


Figure 19. Cylinder Head Cover

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 19 CYLINDER HEAD COVER					
1	XBOZZ	OAK42	114250-76600	..PLUNGER .....	1
2	XBOZZ	OAK42	26106-060552	..BOLT, METRIC, HEX HEAD, FLANGED, ..... 6MM X 55, PLATED.....	2
3	XBOZZ	OAK42	114250-76610	..HOLDER HOLDER.....	1
4	XBOZZ	OAK42	114250-11951	..COVER ASSEMBLY, CYLINDER HEAD .....	1
5	XBFZZ	OAK42	114250-03591	...LEVER, DECOMPRESSION.....	1
6	XBFZZ	OAK42	114250-03640	...SPRING .....	1
7	XBFZZ	OAK42	22312-030160	...PIN, STRAIGHT, HEADLE 3MM X 16.....	1
8	XBFZZ	OAK42	114250-11310	...GASKET .....	1

END OF FIGURE



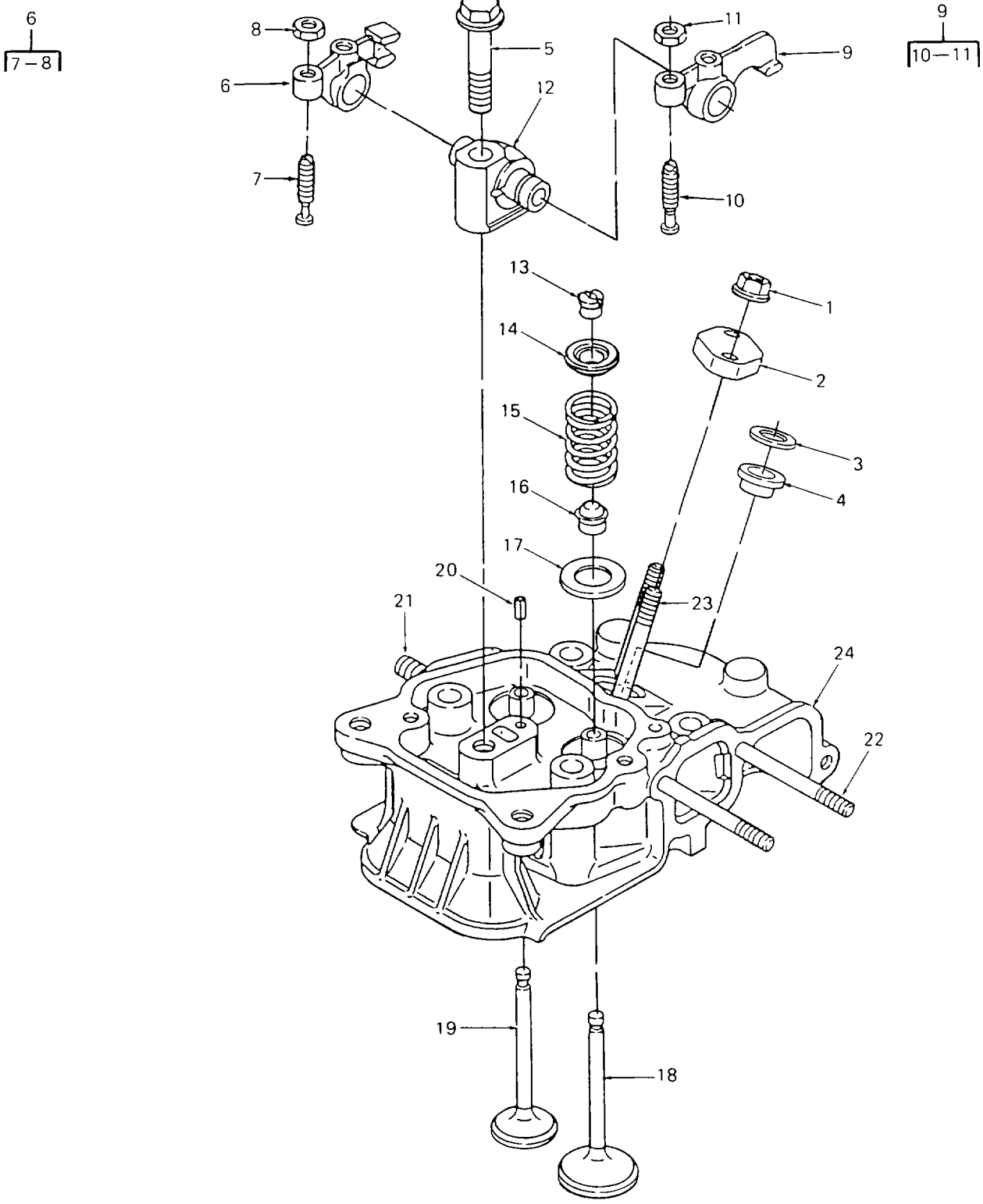


Figure 20. Valve Rocker Arm and Cylinder Head Components

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 20 VALVE ROCKER ARM AND CYLINDER HEAD COMPONENTS					
1	XBFZZ	OAK42	26366-060002	..NUT, PLAIN, HEXAGON HEAD, FLANGED, ... 6MM .....	2
2	XBHZZ	OAK42	114250-11900	..RETAINER .....	1
3	XBHZZ	OAK42	114350-11470	..SPACER, SLEEVE .....	1
4	XBHZZ	OAK42	114250-11460	..GASKET .....	1
5	XBHZZ	OAK42	26106-080452	..BOLT, MACHINE HEAD, FLANGED, 8MM X 40, PLATED .....	1
6	XBHZZ	OAK42	714270-11660	..ARM ASSY, VALVE ROCKER (EXHAUST).....	1
7	XBHZZ	OAK42	114250-11240	...SCREW, VALVE (EXHAUST) .....	1
8	XBOZZ	OAK42	26756-060002	...NUT, PLAIN, HEXAGON HEX HEAD, 6MM, ... PLATED (EXHAUST).....	1
9	XBHZZ	OAK42	114250-11651	..ARM ASSY, VALVE ROCKER (INTAKE).....	1
10	XBHZZ	OAK42	114250-11240	...SCREW, VALVE (INTAKE) .....	1
11	XBOZZ	OAK42	26756-060002	...NUT, PLAIN, HEXAGON HEX HEAD, 6MM, ... PLATED (INTAKE) .....	1
12	XBHZZ	OAK42	114250-11290	..SUPPORT, ROCKER ARM .....	1
13	XBHZZ	OAK42	714250-11570	..LOCK, VALVE SPRING R .....	2
14	XBHZZ	OAK42	114250-11180	..SEAT, HELICAL COMPRE .....	2
15	XBHZZ	OAK42	114250-11120	..SPRING, VALVE .....	2
16	XBHZZ	OAK42	114250-11340	..PACKING, PREFORMED .....	2
17	XBHZZ	OAK42	114250-11600	..WASHER, FLAT .....	2
18	XBHZZ	OAK42	114250-11101	..VALVE, INTAKE .....	1
19	XBHZZ	OAK42	114250-11113	..VALVE, EXHAUST .....	1
20	XBHZZ	OAK42	22351-040008	..PIN, SPRING 4MM X 8.....	1
21	XBHZZ	OAK42	26216-080182	..STUD, PLAIN 8MM X 18, PLATED.....	2
22	XBHZZ	OAK42	26226-060552	..STUD, PLAIN 6MM X 55 .....	2
23	XBHZZ	OAK42	26226-060502	..STUD, PLAIN 6MM X 50 .....	2
24	XBHZZ	OAK42	114250-11020	..HEAD, CYLINDER .....	1

END OF FIGURE

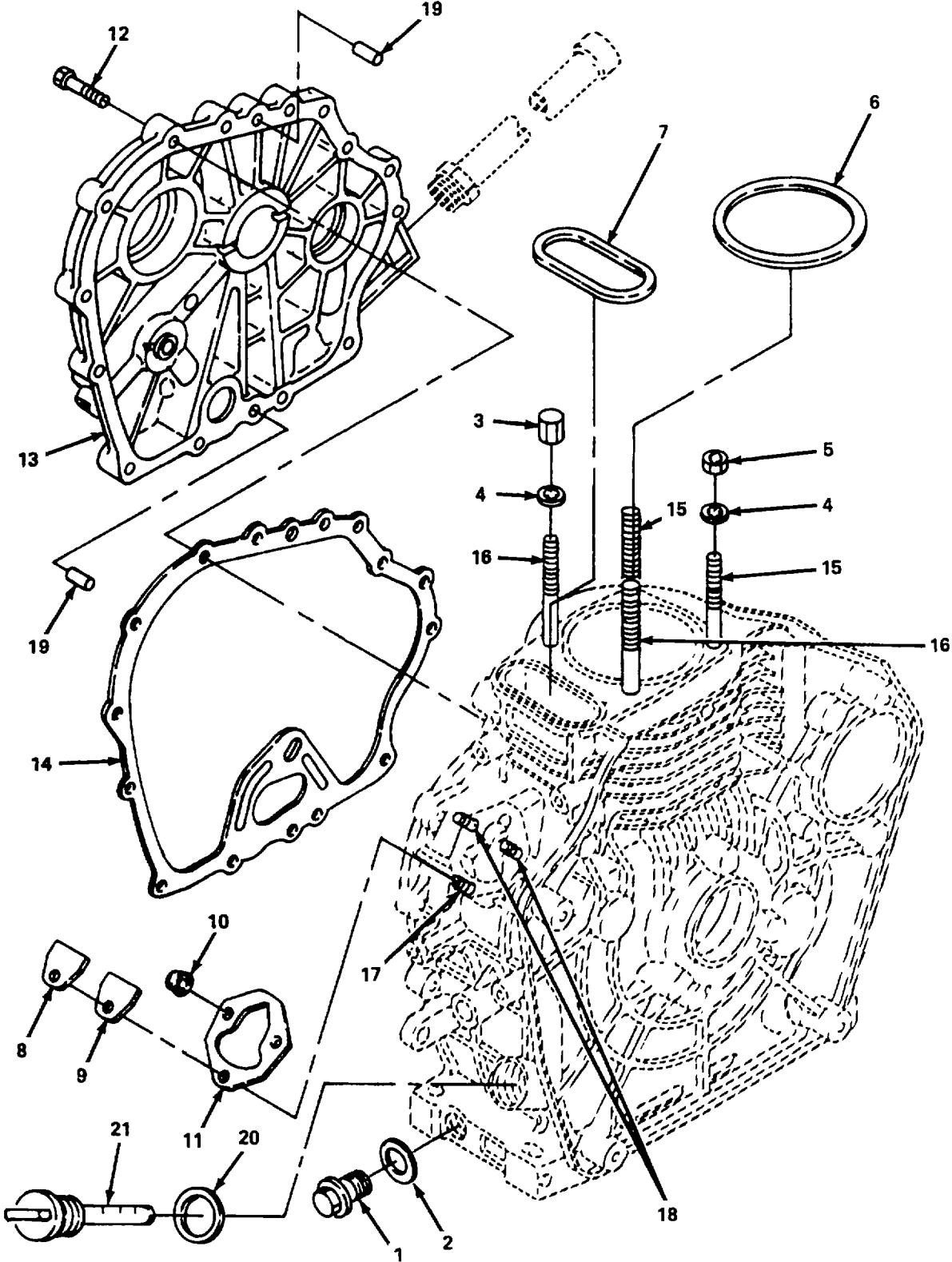


Figure 21. Crankcase Cover Assembly.

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 21 CRANKCASE COVER ASSEMBLY					
1	XBOZZ	OAK42	105425-01690	..PLUG HEAD, FLANGED, 16MM .....	1
2	XBOZZ	OAK42	43400-500490	..GASKET .....	1
3	XBHZZ	OAK42	114250-01220	..NUT, PLAIN, HEXAGON 8MM .....	2
4	XBHZZ	OAK42	124950-01250	..WASHER, FLAT .....	4
5	XBHZZ	OAK42	114250-01250	..NUT, PLAIN, HEXAGON .....	2
6	XBHZZ	OAK42	114250-01340	..GASKET HEAD .....	1
7	XBHZZ	OAK42	114250-01380	..PACKING, PREFORMED .....	1
8	XBHZZ	OAK42	114250-01830	..COVER .....	1
9	XBHZZ	OAK42	114250-01840	..GASKET .....	1
10	XBFZZ	OAK42	26366-060002	..NUT, PLAIN, HEXAGON HEAD, FLANGED, .... 6MM	3
11	XBFZZ	OAK42	114250-01800	..SHIM SET .....	1
12	XBFZZ	OAK42	26106-060252	..BOLT, METRIC, HEX HD. HEAD, .....	14
				..FLANGED, 6MM X 25, PLATED.....	
13	XBHZZ	OAK42	114260-01453	..COVER, CRANKCASE .....	1
14	PAHZZ	OAK42	114250-01412	..GASKET .....	
15	XBHZZ	OAK42	114250-01210	..STUD, CYLINDER HEAD .....	2
16	XBHZZ	OAK42	114250-01200	..STUD, CYLINDER HEAD .....	2
17	XBHZZ	OAK42	26226-060182	..STUD 6MM X 18, PLATED .....	1
18	XBHZZ	OAK42	26226-060222	..STUD 6MM X 22, PLATED .....	2
19	XBHZZ	OAK42	22312-080120	..PIN, PARALLEL, 8MM X 12.....	2
20	XBOZZ	OAK42	24311-000180	..PACKING, PREFORMED .....	1
21	XBOZZ	OAK42	160710-01760	..GAGE, ROD-CAP .....	1

END OF FIGURE

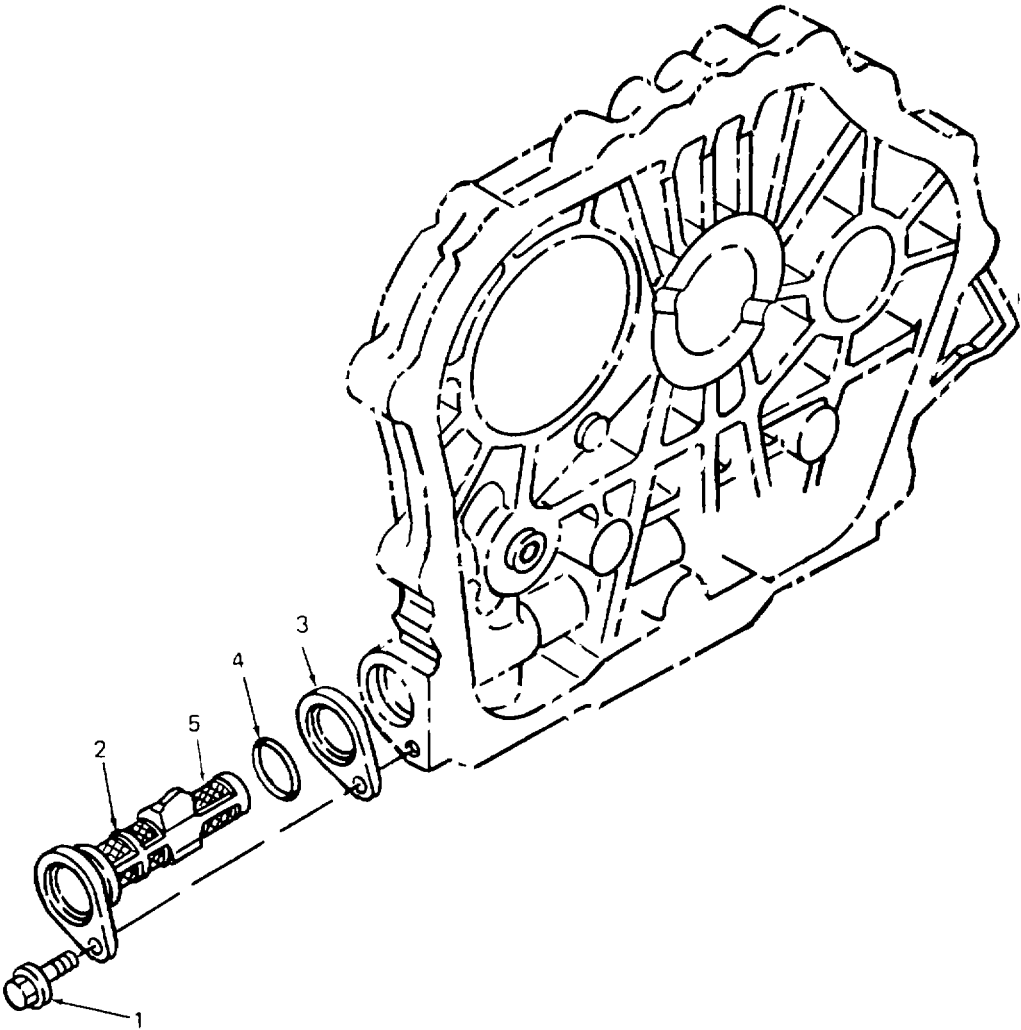


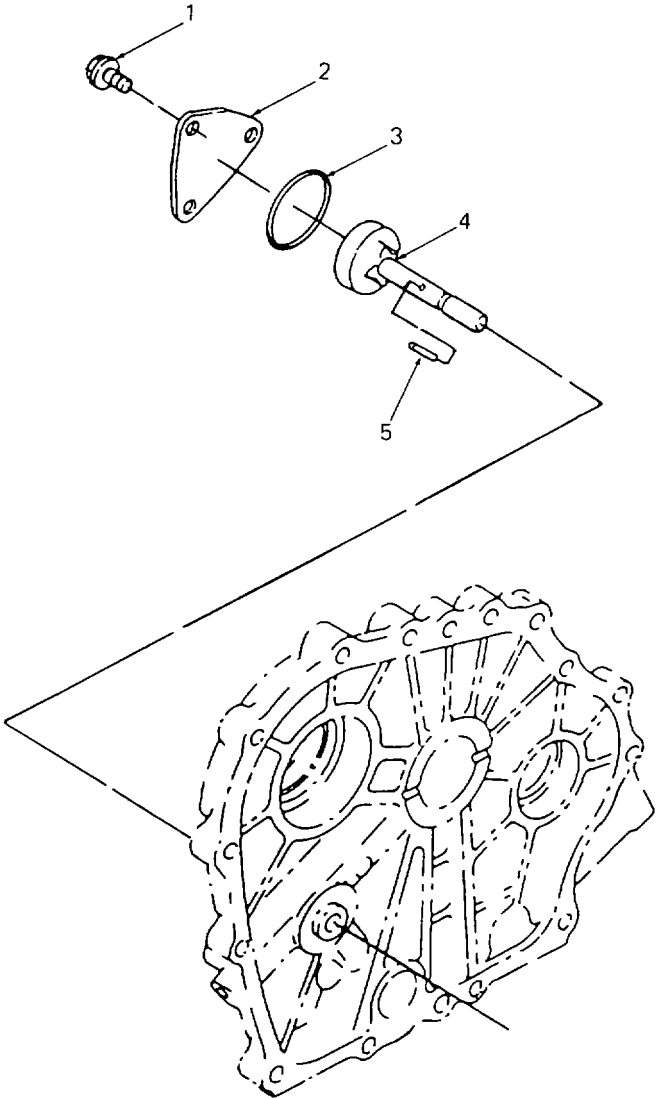
Figure 22. Lube Oil Strainer Assembly

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 22 LUBE OIL STRAINER ASSEMBLY					
1	XBOZZ	OAK42	26106-060122	..BOLT, METRIC, HEX HEAD, FLANGED, ..... 6MM X 12, PLATED.....	2
2	XBOZZ	OAK42	114250-35250	..COVER .....	1
3	XBOZZ	OAK42	114250-35270	..GASKET.....	1
4	XBOZZ	OAK42	24341-000224	..PACKING, PREFORMED.....	1
5	XBOZZ	OAK42	114250-35060	..STRAINER ELEMENT, SE .....	1

END OF FIGURE



**Figure 23. Lube Oil Pump Assembly**

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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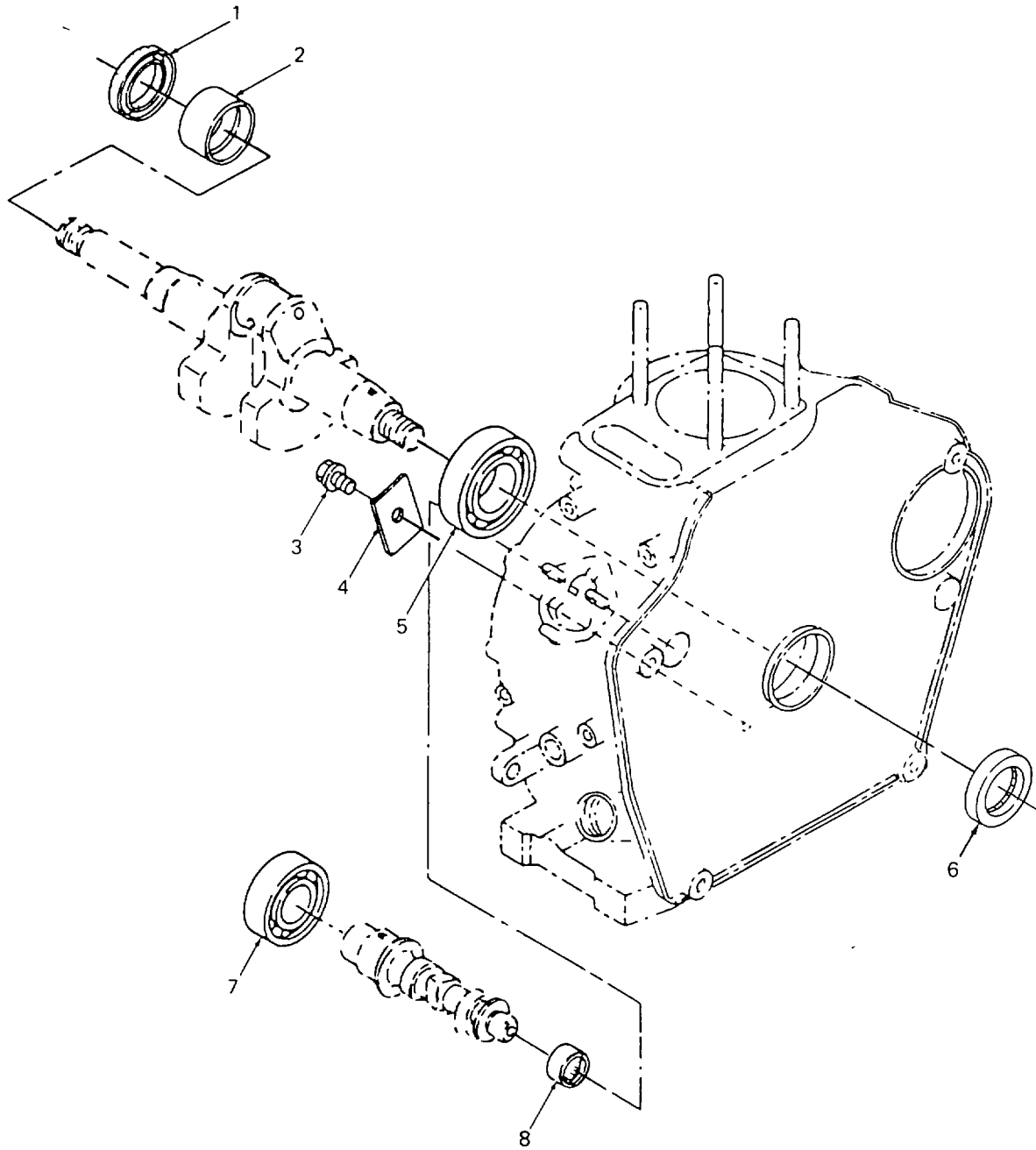
GROUP 05 ENGINE

FIG. 23 LUBE OIL PUMP ASSEMBLY

1	XBHZZ	OAK42	26476-060142	..BOLT, MACHINE HEAD, FLANGED, 6MM ..... X 14.....	3
2	XBHZZ	OAK42	114250-32070	..COVER .....	1
3	XBHZZ	OAK42	103338-32570	..PACKING, PREFORMED.....	1
4	XBHZZ	OAK42	114250-32010	..PUMP ASSEMBLY, LUB OIL.....	1
5	XBHZZ	OAK42	22312-030160	..PIN, STRAIGHT, HEADLE 6MM X 14 .....	1

END OF FIGURE





**Figure 24. Crankcase Bearings**

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 24 CRANKCASE BEARINGS					
1	PAHZZ	OAK42	160210-02220	..SEAL, PLAIN ENCASED .....	1
2	XBHZZ	OAK42	114250-02100	..BEARING, SLEEVE.....	1
3	XBHZZ	OAK42	26106-080122	..BOLT, MACHINE HEAD, FLANGED, 8MM..... X 12, PLATED .....	1
4	XBHZZ	OAK42	114250-02030	..RETAINER, BALL, BEARI .....	1
5	XBHZZ	OAK42	114250-02113	..BALL, BEARING.....	1
6	XBHZZ	OAK42	160110-02220	..SEAL, PLAIN ENCASED .....	1
7	XBHZZ	OAK42	24101-062050	..BEARING, BALL, ANNULA.....	1
8	XBHZZ	OAK42	24162-152112	..BEARING, NEEDLE .....	1

END OF FIGURE

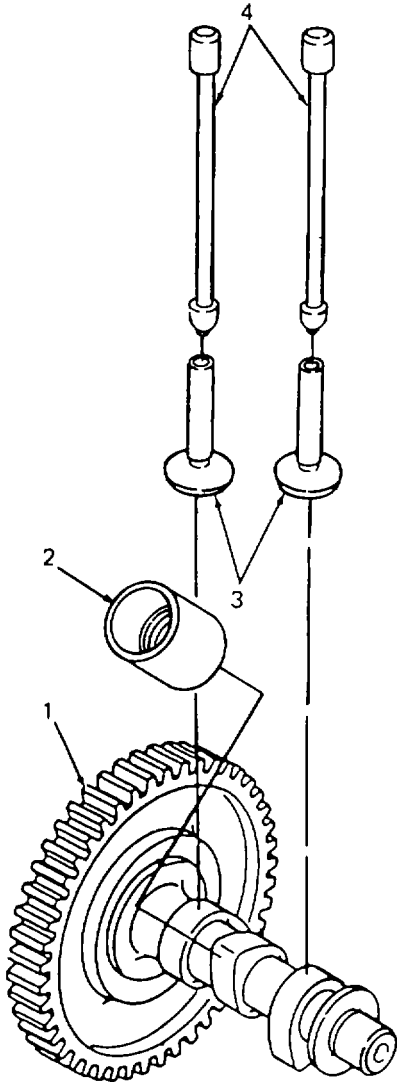


Figure 25. Camshaft Assembly

## SECTION II

TM10-4320-325-24P

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

GROUP 05 ENGINE

FIG. 25 CAMSHAFT ASSEMBLY

1	XBHZZ	OAK42	714260-14580	..CAMSHAFT.....	1
2	XBHZZ	OAK42	114250-14260	..TAPPET, FUEL .....	1
3	XBHZZ	OAK42	114250-14200	..TAPPET, SUCTION .....	2
4	XBHZZ	OAK42	114250-14450	..ROD, PUSH .....	2

END OF FIGURE

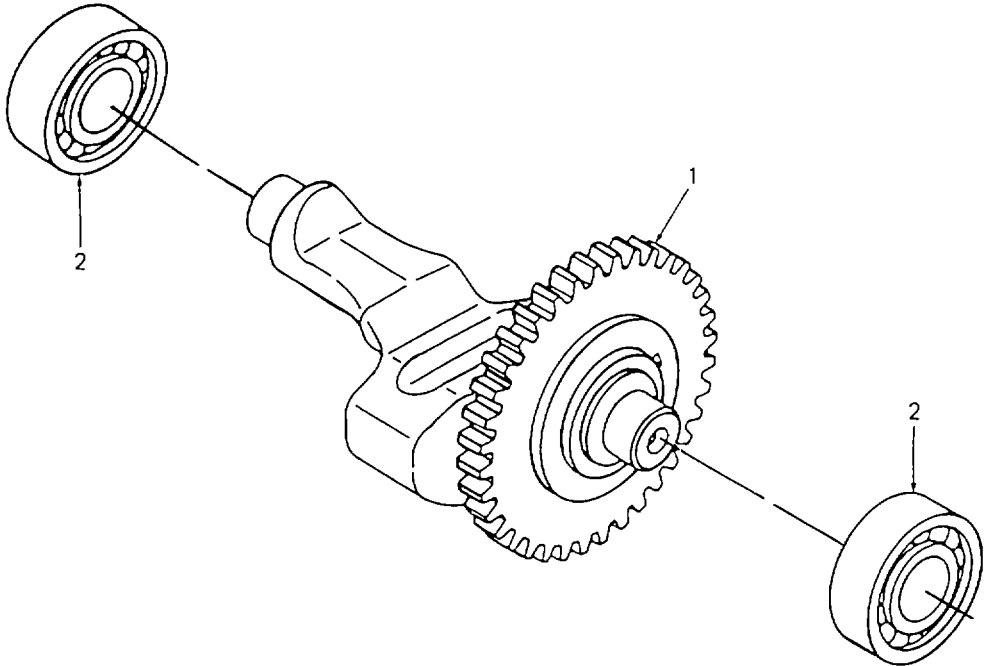


Figure 26. Balancer Shaft Assembly

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 ENGINE					
FIG. 26 BALANCER SHAFT ASSEMBLY					
1	XBHZZ	OAK42	714250-28510	..SHAFT, ASSY FLEXIBLE.....	1
2	PAHZZ	OAK42	24101-062024	..BEARING, BALL, ANNULA.....	2

END OF FIGURE

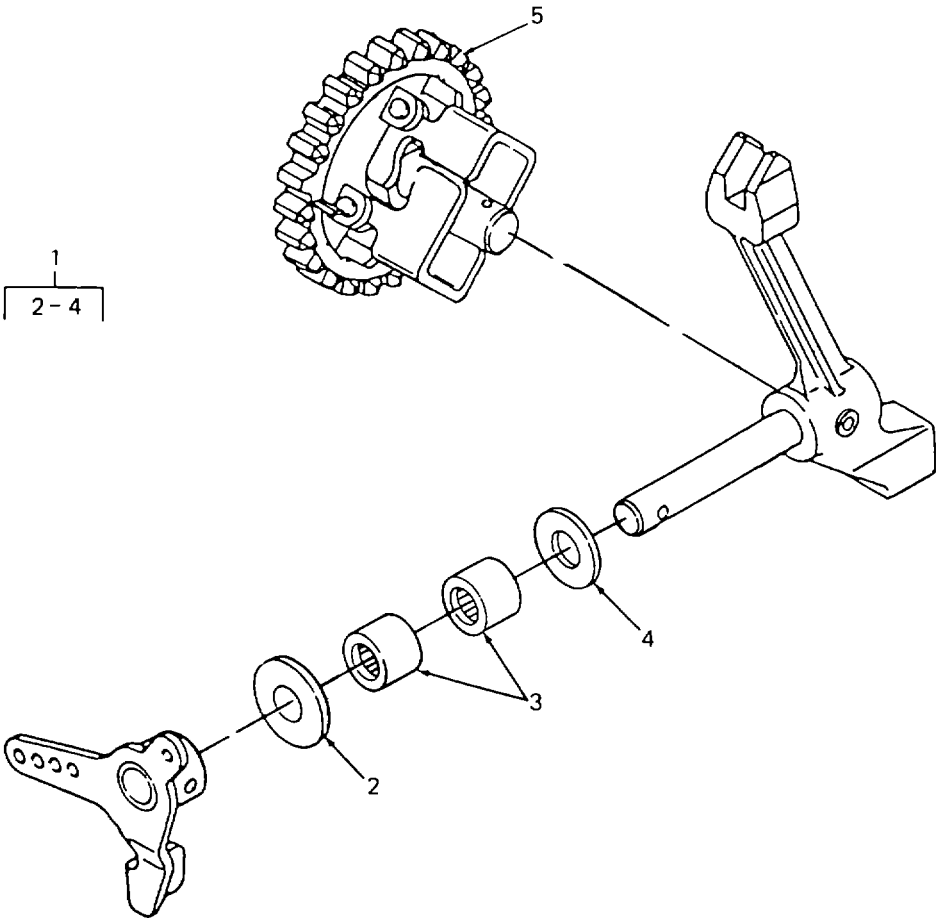


Figure 27. Governor Assembly

SECTION II

TM10-4320-325-24P

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

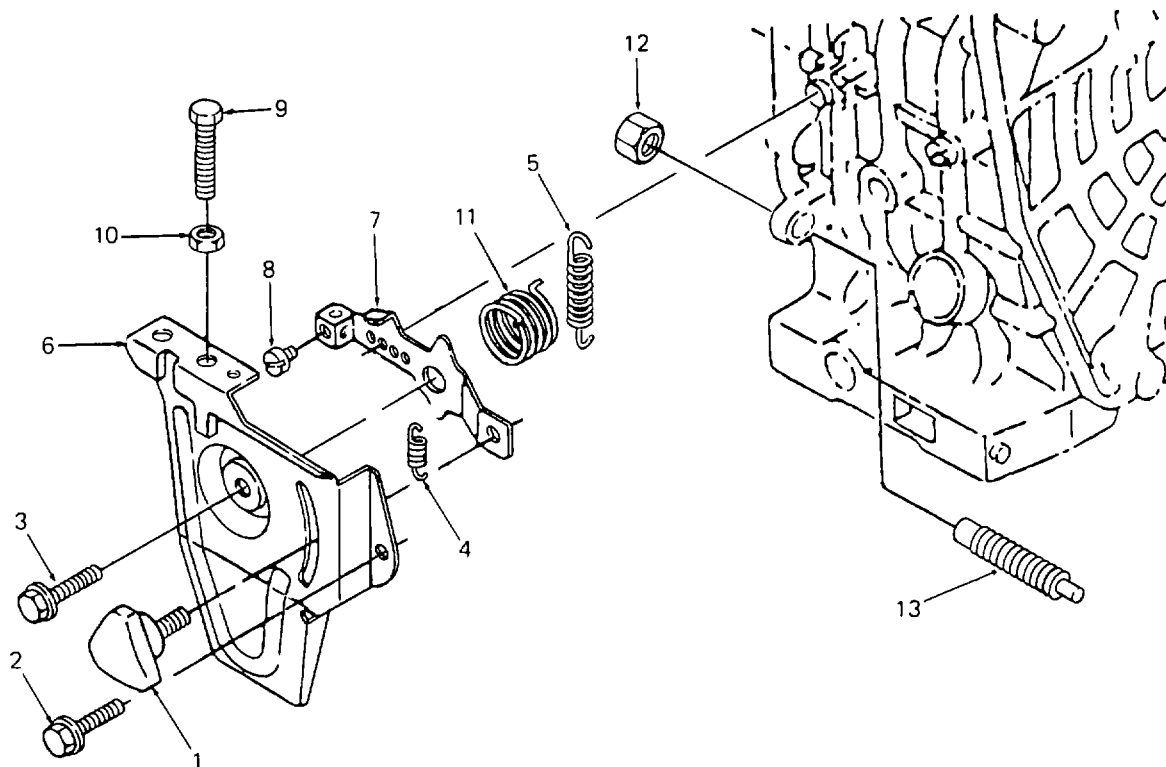
GROUP 05 ENGINE

FIG. 27 GOVERNOR ASSEMBLY

1	XBHZZ	OAK42	714250-61500	..LEVER ASSEMBLY, GOVERNOR .....	1
2	XBHZZ	OAK42	114250-61900	...THRUST PLATE, TRANSM .....	1
3	PAHZZ	OAK42	121450-61520	...BEARING, NEEDLE.....	2
4	XBHZZ	OAK42	22137-080000	...WASHER, FLAT 8MM.....	1
5	XBHZZ	OAK42	714770-61700	..GOVERNOR .....	1

END OF FIGURE





**Figure 28. Speed Control and Regulator Assembly**

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 05 ENGINE

FIG. 28 SPEED CONTROL AND  
REGULATOR ASSEMBLY

1	XBHZZ	OAK42	160725-78350	..HANDLE, MANUAL CONTR 6MM X 15 .....	1
2	PAHZZ	OAK42	26476-060142	..BOLT, MACHINE 6MM X 14.....	1
3	XBHZZ	OAK42	26106-060202	..BOLT, MACHINE HEAD, 6MM X 20 .....	1
4	XBHZZ	OAK42	114250-66200	..SPRING, RETURN .....	1
5	XBHZZ	OAK42	114250-66010	..SPRING, REGULATOR.....	1
6	XBHZZ	OAK42	714268-66500	..BRACKET, REGULATOR.....	1
7	XBHZZ	OAK42	114250-66050	..HANDLE, REGULATOR .....	1
8	PAHZZ	OAK42	26116-040088	..BOLT, MACHINE 4MM X 8.....	1
9	XBHZZ	OAK42	114250-66440	..BOLT, MACHINE HEAD, 6MM .....	1
10	XBHZZ	OAK42	26756-060002	..NUT, PLAIN, HEXAGON .....	2
11	XBHZZ	OAK42	114252-66252	..SPRING, HELICAL, COMP .....	1
12	XBHZZ	OAK42	26696-100002	..NUT, PLAIN, HEXAGON 10MM.....	1
13	XBHZZ	OAK42	114250-66550	..CONTROLLER .....	1

END OF FIGURE

1  
2-6

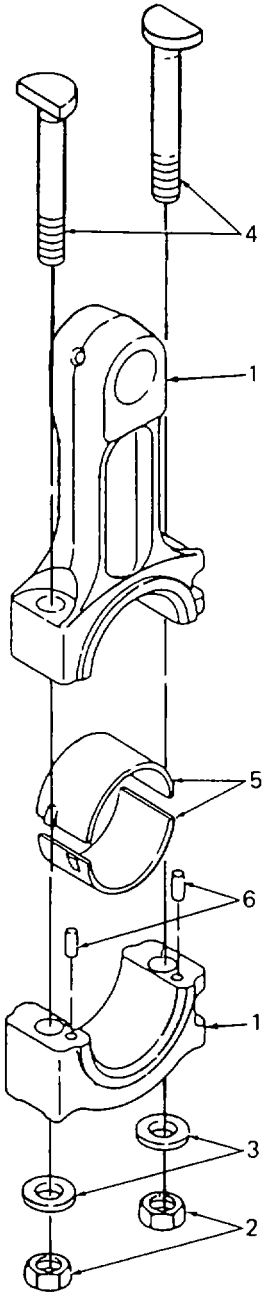


Figure 29. Connecting Rod Assembly

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 05 ENGINE

FIG. 29 CONNECTING ROD ASSEMBLY

1	PAHHH	OAK42	714250-23703	..CONNECTING ROD, PIST CONNECTING... ..	1
2	XBHZZ	OAK42	114250-23220	...NUT, PLAIN, HEXAGON HEAD .....	2
3	XBHZZ	OAK42	114250-23250	...WASHER, FLAT .....	2
4	XBHZZ	OAK42	114250-23200	...BOLT, ROD .....	2
5	XBHZZ	OAK42	714250-23600	...BEARING, SLEEVE .....	1
6	XBHZZ	OAK42	22312-030080	...PIN, STRAIGHT, HEADLE 3MM X 8.....	2

END OF FIGURE

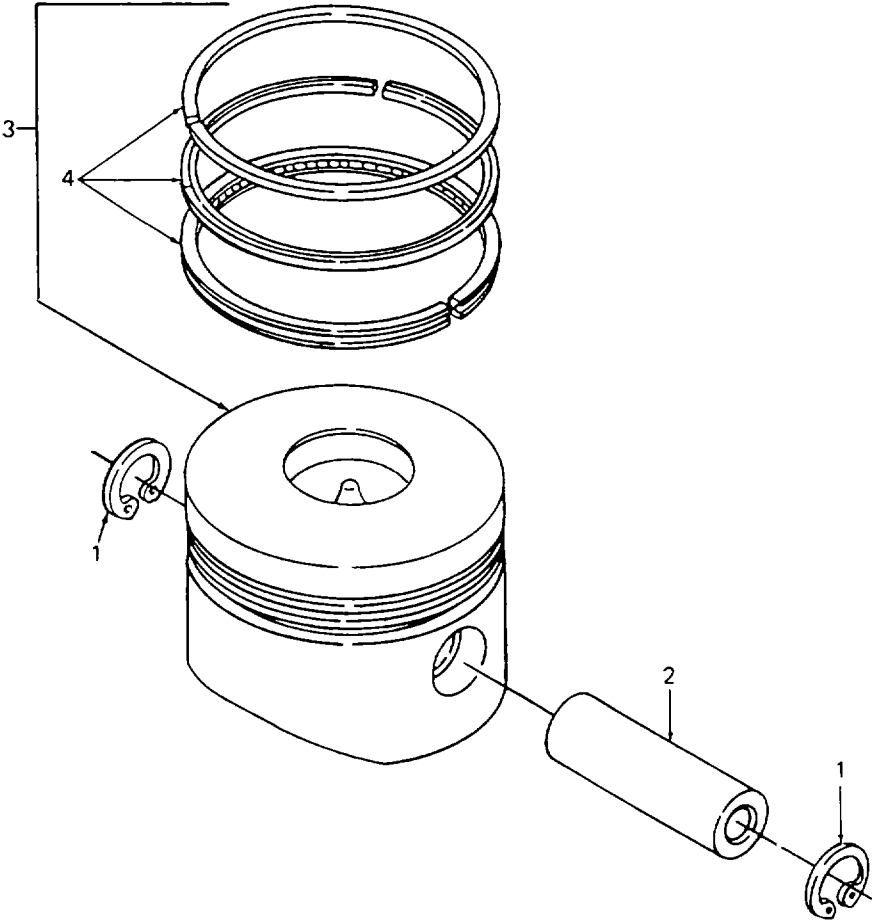


Figure 30. Piston Assembly

## SECTION II

TM10-4320-325-24P

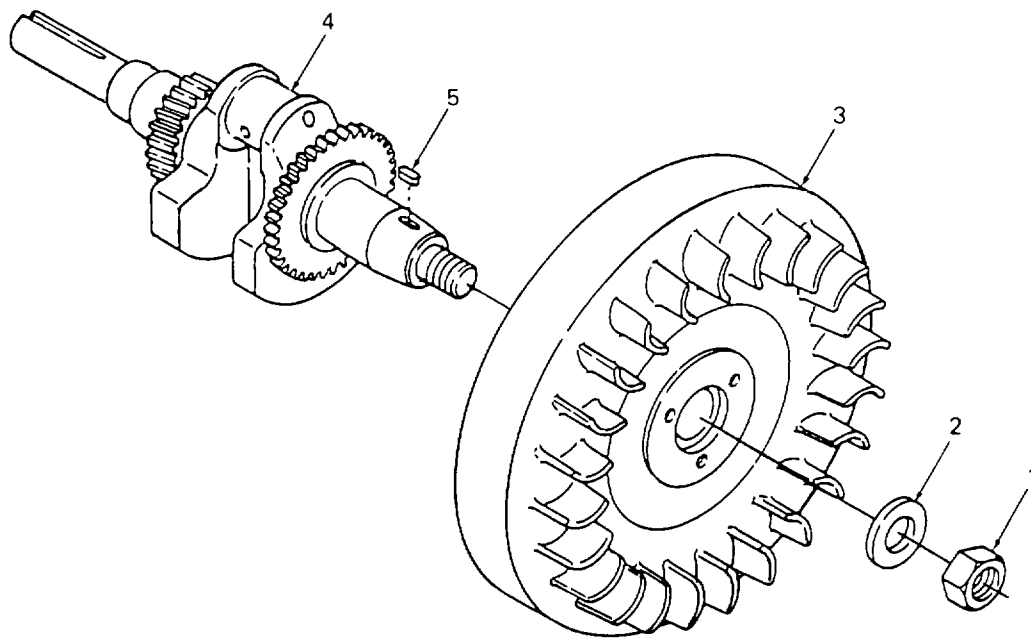
(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 05 ENGINE

FIG. 30 PISTON ASSEMBLY

1	XBHZZ	OAK42	22252-000190	..RING, RETAINING .....	2
2	XBHZZ	OAK42	114250-22302	..PIN, PISTON.....	1
3	PAHHH	OAK42	714280-22720	..PISTON, INTERNAL COM .....	1
4	XBHZZ	OAK42	714250-22502	...RING SET, PISTON.....	1

END OF FIGURE



**Figure 31. Flywheel and Crankshaft Assembly**

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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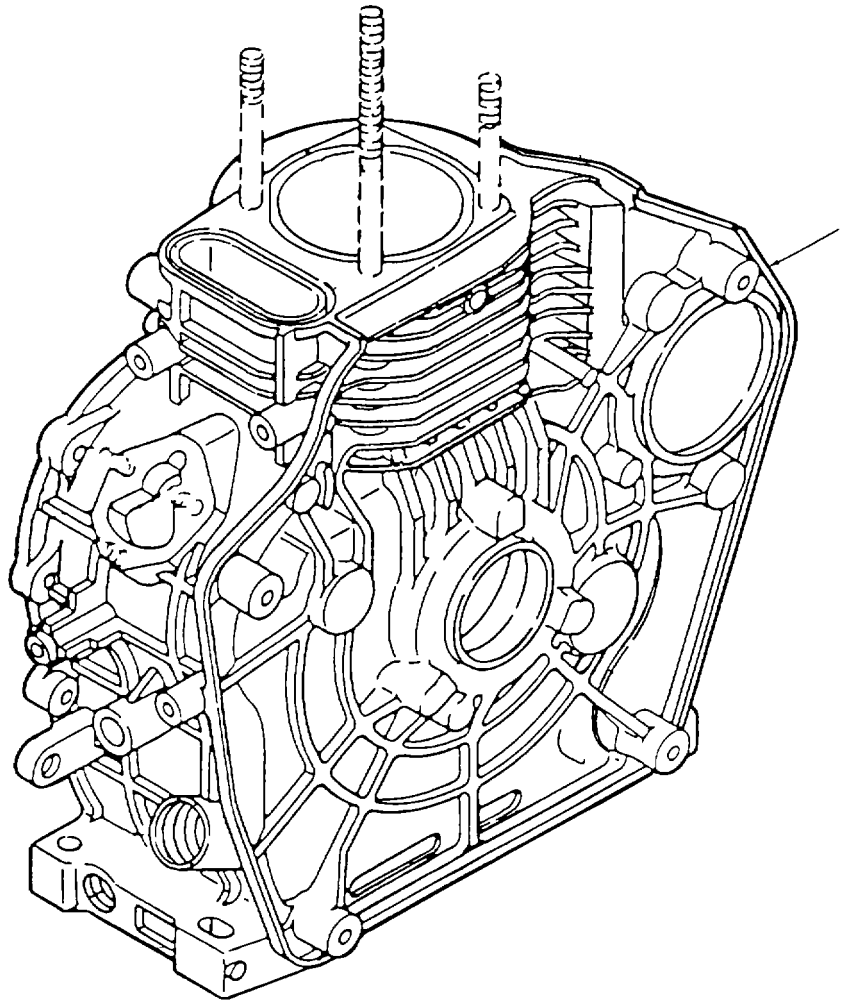
GROUP 05 ENGINE

FIG.31 FLYWHEEL AND CRANKSHAFT  
ASSEMBLY

1	XBHZZ	OAK42	103854-01221	..NUT, CRANKSHAFT .....	1
2	XBHZZ	OAK42	114259021550	..WASHER .....	1
3	XBHZZ	OAK42	114780-21400	..FLYWHEEL .....	1
4	XBHZZ	OAK42	714288-21700	..CRANKSHAFT .....	1
5	XBHZZ	OAK42	22512-040120	..KEY, MACHINE 4MM X 12 .....	1

END OF FIGURE





**Figure 32. Crankcase Cylinder Block**

SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 05 ENGINE

FIG. 32 CRANKCASE CYLINDER BLOCK

1	XBHZZ	OAK42	714271-01560	..BLOCK, CYLINDER, CRANKCASE.....	1
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END OF FIGURE

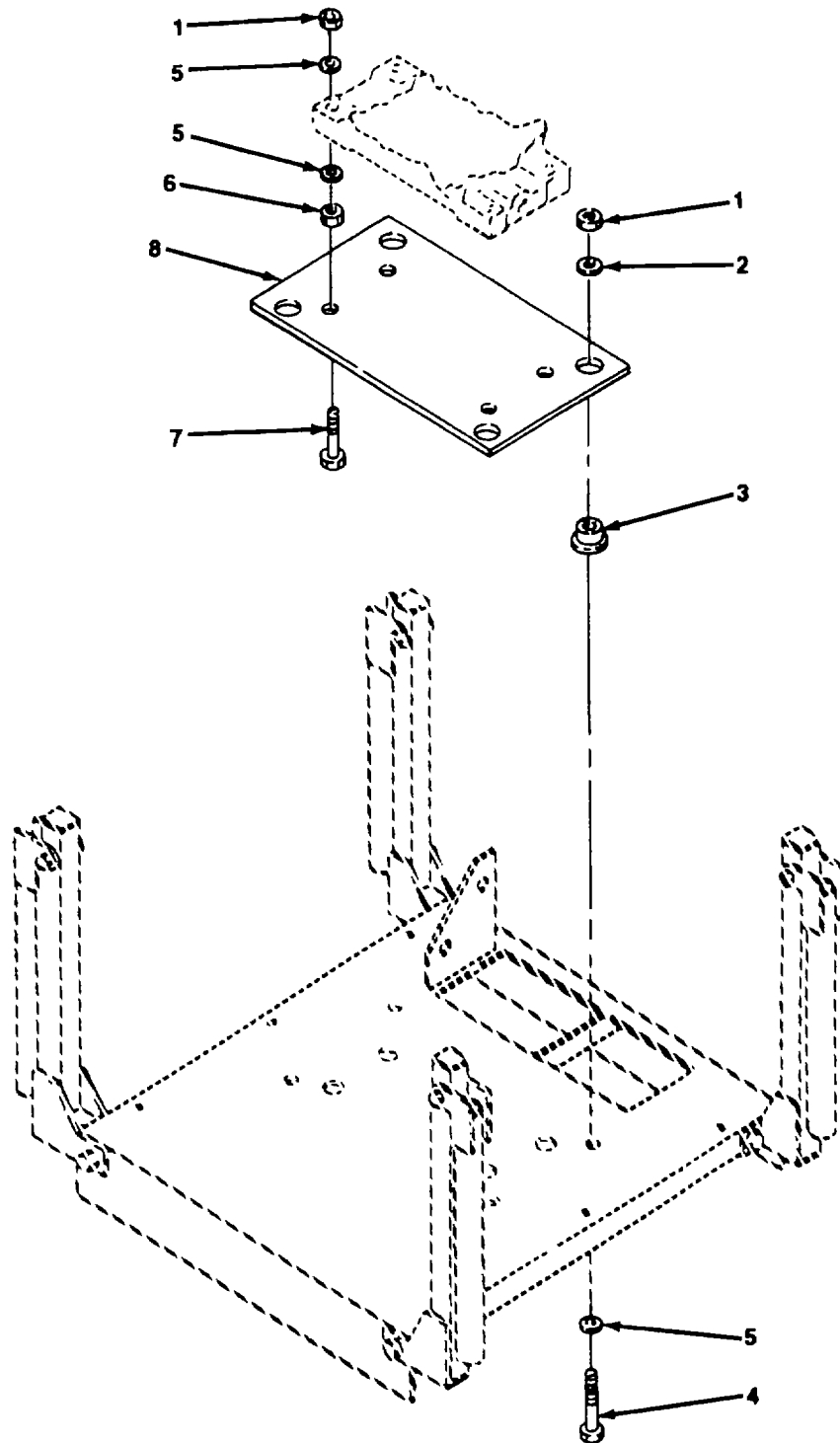


Figure 33. Engine Base Plate and Shock Mounts.

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 06 FRAME, BASE, ANI) SHOCK					
FIG. 33 ENGINE BASE PLATE AND SHOCK MOUNTS					
1	PAFZZ	96906	MS17829-6C	NUT, SELF-LOCKING, HE.....	8
2	PAOZZ	88044	AN970-7	WASHER, FLAT.....	4
3	PAFZZ	76005	J660-2	MOUNT, RESILIENT VIBRATION.....	4
4	PAFZZ	96906	5700385000	BOLT.....	4
5	PAOZZ	96906	MS15795-814B	WASHER, FLAT , FLAT .....	12
6	PAFZZ	96906	MS51967-3	NUT, PLAIN, HEXAGON.....	4
7	PAFZZ	81346	3/8IN-16X2.25IN	BOLT & STUD, CS 0.375 X 16 UNC.....	4
8	XBFZZ	97403	13228E9865	PLATE, ENGINE BASE .....	1

END OF FIGURE

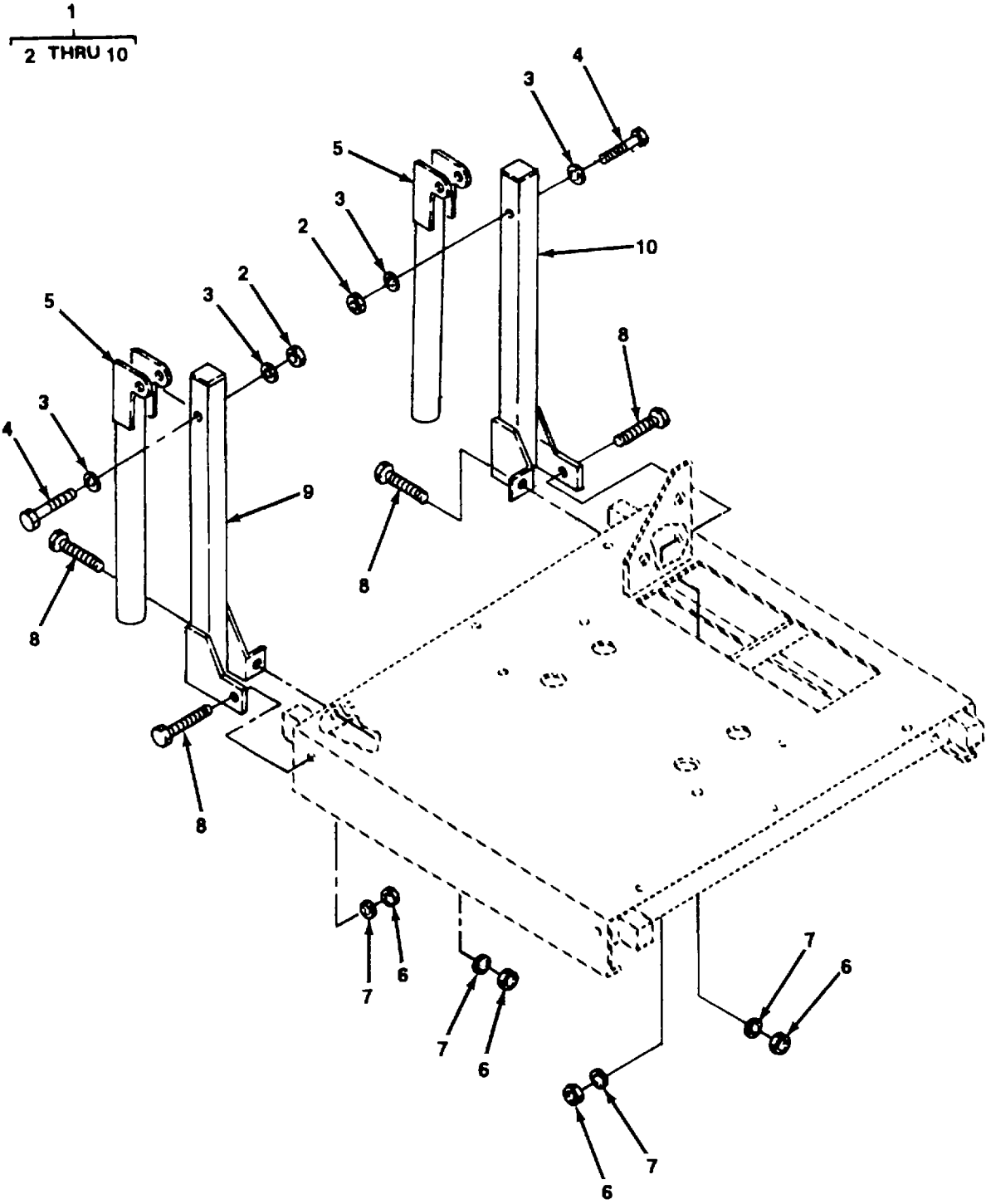


Figure 34. Frame Assembly.

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 06 FRAME, BASE, AND SHOCK					
FIG. 34 FRAME ASSEMBLY					
1	XBOZZ	97403	13230E5606	FRAME ASSEMBLY.....	1
2	XBOZZ	96906	MS17829-4C	.NUT, SELF-LOCKING, HE .....	4
3	XBOZZ	76371	7003470000	.WASHER, FLAT.....	8
4	XBOZZ	96906	MS90725-14	.SCREW, CAP, HEXAGON H .....	4
5	XBOZZ	97403	13229E5606-103	.HANDLE ASSEMBLY HANDLE.....	2
6	PAFZZ	96906	MS17829-6C	.NUT, SELF-LOCKING, HE .....	8
7	XBOZZ	96906	MS27183-14	.WASHER, FLAT.....	8
8	XBOZZ	80204	B1821BH038C125N	.SCREW, CAP, HEXAGON H.....	8
9	XBOZZ	97403	13229E5606-101	.POST ASSEMBLY .....	2
10	XBOZZ	97403	13229E5606-102	.POST ASSEMBLY .....	2

END OF FIGURE

## SECTION II

TM10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 07 BULK ITEMS

FIG. BULK

1	PAOZZ	81349	ASTM B210	ALUMINUM, SHEET .625 WIDE X ..... .080THK. X 8 IN.LONG.....	V
2	PAOZZ	96906	MS35822-11A	HINGE.....	V
3	PAOZZ	01276	1525-6	HOSE, NONMETALLIC.....	V
4	PAOZZ	96906	7B735A-703	ALUMINUM, SHEET.....	V
5	PAOZZ	57137	7508-2X1/16-ALUM	ALUMINUM, TRIM.....	V
6	PAOZZ	62408	763/4750/9425-1. 00 54 108	FOAM, ACCOUSTICAL.....	V
7	PAOZZ	62408	763/4750/9425-2. 00 54 108	FOAM, ACCOUSTICAL.....	V

END OF FIGURE

BULK-1

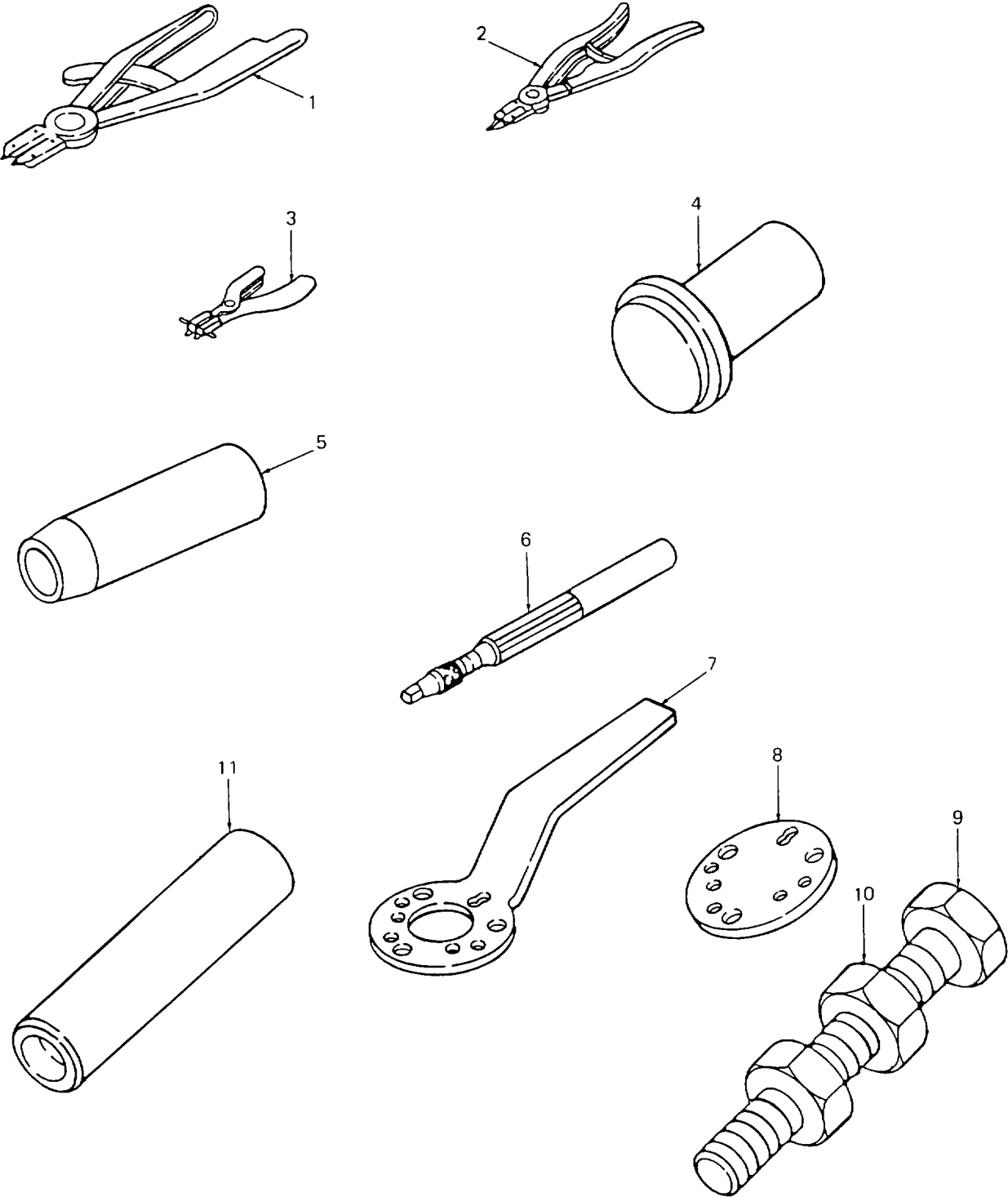


Figure 35. Special Tools (Sheet 1 of 2)



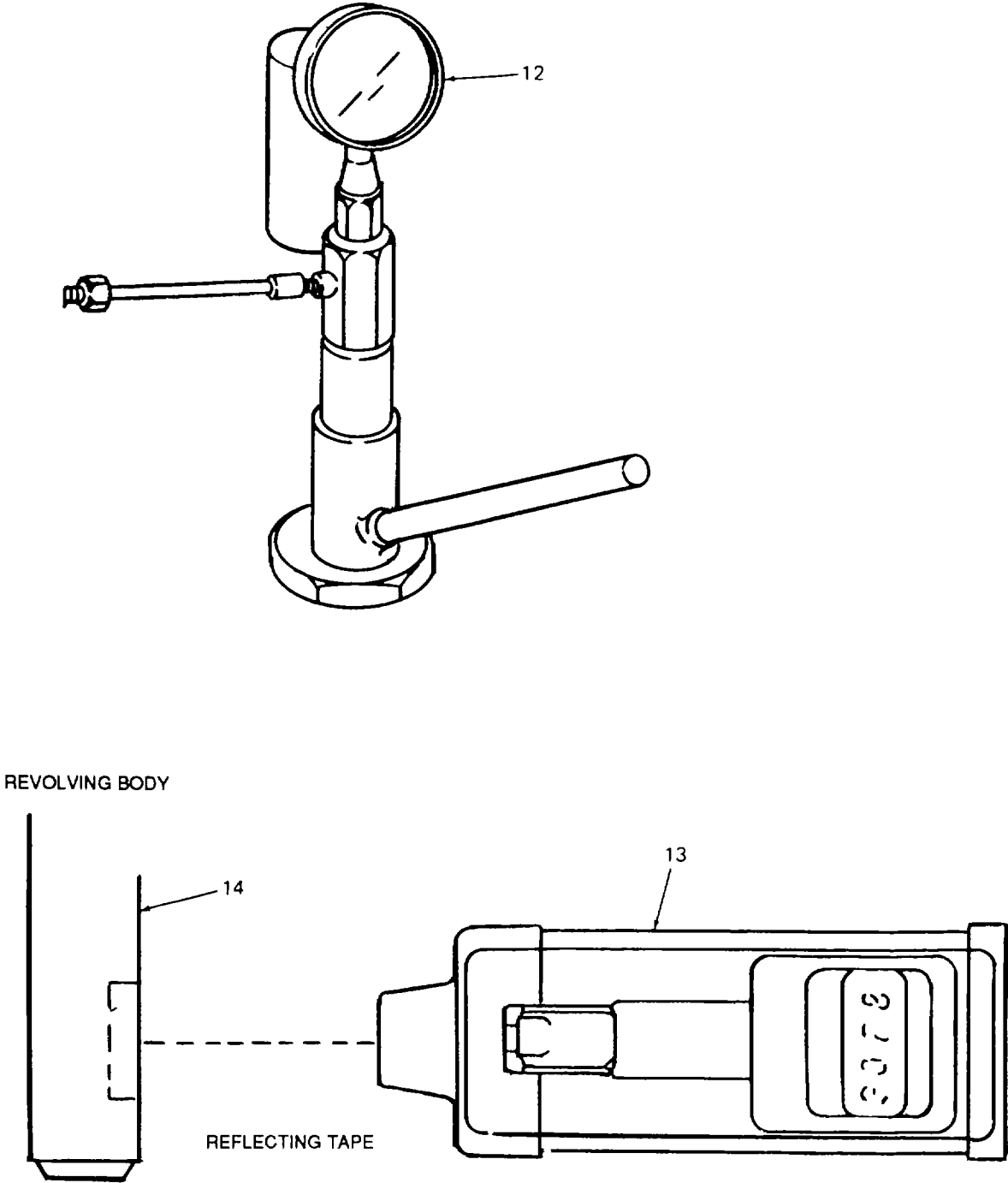


Figure 35. Special Tools (Sheet 2 of 2)

## SECTION III

TM 10-4320-325-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 08	SPECIAL TOOLS
				FIG. 35	SPECIAL TOOLS
1	PEHZZ	OAK42	28190-000130	PLIERS, BORE.....	
2	PEHZZ	OAK42	28190-000020	PLIERS, SHAFT .....	
3	PEHZZ	OAK42	135410-92140	REMOVER, PISTON RING .....	
4	PEHZZ	OAK42	114250-92311	TOOL, FITTING, OIL SEAL.....	
5	PEHZZ	OAK42	11426B-92300	GUIDE, FITTING, OIL SEAL .....	
6	PEHZZ	OAK42	28210-000010	TOOL, CLEANING, FUEL JET HOLE.....	
7	PEHZZ	OAK42	114250-92101	HANDLE, TIGHTENING FLYWHEEL .....	
8	PEHZZ	OAK42	114250-92121	EXTRACTOR, FLYWHEEL .....	
9	PEHZZ	OAK42	26116-060454	BOLT, MACHINE.....	
10	PEHZZ	OAK42	26716-060002	NUT, PLAIN, HEXAGON .....	
11	PEHZZ	OAK42	114250-92350	TOOL, FITTING VALVE STEM SEAL.....	
12	PEHZZ	OAK42	737600-93502	TESTER, NOZZLE .....	
13	PEHZZ	OAK42	95500-001043	TACHOMETER .....	
14	PEHZZ	OAK42	95560-001041	TAPE, REFLECTIVE .....	

END OF FIGURE

## CROSS-REFERENCE INDEXES

NATIONAL STOCK NUMBER INDEX					
STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5305-00-021-3620	1	22	2815-01-323-0351	29	1
5310-00-036-6770	33	5	2990-01-323-1322	17	14
5310-00-080-8495	1	23	5310-01-323-2683	11	17
5310-00-167-0769	33	2	4330-01-323-3288	15	4
5305-00-206-3689	9	18	2940-01-323-3289	16	3
5306-00-225-9100	9	13	5340-01-323-7785	11	12
4730-00-230-1996	8	6	5340-01-323-7844	12	3
5310-00-245-8825	1	21	5340-01-323-7845	12	1
5330-00-263-8015	9	12	5340-01-323-7866	18	3
4720-00-274-1154	BULK	3	3110-01-324-5719	27	3
4820-00-276-9041	6	9	5330-01-324-8253	24	1
5310-00-483-8790	33	1	5330-01-324-8287	16	12
	34	6	2815-01-324-9200	18	4
5320-00-510-7823	1	1	5330-01-325-5806	11	11
5310-00-527-3634	1	24	5330-01-325-5810	11	23
5330-00-551-3963	9	20	5330-01-325-5821	11	10
4730-00-580-6740	7	1	2990-01-325-8264	17	13
5330-00-612-2414	6	4	5330-01-326-2669	10	
4730-00-639-9730	8	5	5330-01-326-4773	16	10
5365-00-712-5972	9	16	5330-01-326-4780	15	6
5330-00-712-7730	9	14	5310-01-327-0778	16	4
5310-00-712-7731	9	17	4240-01-327-4604	11	20
5315-00-730-4713	9	23	4240-01-328-4878	11	14
5310-00-732-0560	9	9	5330-01-330-9564	18	6
5330-00-792-6213	9	7	5330-01-330-9612	11	13
5310-00-809-5998	9	10	5330-01-353-6007	21	14
5310-00-880-7746	9	2	2815-01-353-9785	30	3
5310-00-903-5966	1	25	5325-01-388-5025	1	20
5320-00-904-4136	1	7	5306-01-388-6230	11	1
	2	2	5306-01-388-7402	11	5
5310-00-905-0762	33	6		18	7
4730-00-908-3193	1	18		28	2
	8	1	5310-01-388-8806	18	2
4730-00-908-3195	6	10	5310-01-388-8826	11	19
	7	2		16	2
5307-01-013-7888	9	25	5340-01-389-1329	11	9
5307-01-016-4423	9	26	4730-01-389-8968	6	13
5305-01-069-8235	18	1	4730-01-389-9057	6	11
5305-01-163-5075	15	3		7	4
	17	1	2815-01-389-9169	10	1
5305-01-255-6548	16	9	5340-01-389-9803	4	1
5305-01-300-6264	15	5			
2940-01-310-4495	16	7			
2910-01-310-4522	13	1			
5330-01-318-8200	11	21			
4730-01-322-4980	7	5			
5310-01-322-8696	11	18			
5310-01-322-8747	16	5			
3110-01-322-9532	26	2			
2990-01-323-0307	17	2			

## SECTION IV

## TM10-4320-325-24P

CROSS-REFERENCE INDEXES  
PART NUMBER INDEX

CAGEC	PART NUMBER	STOCK NUMBER	FIG.	ITEM
92729	A-R1-1Q-1Q-9/63		1	6
03950	ANSIB18.6.3-1/4- 20UNC2A1/2L		9	5
88044	AN910-1		8	7
88044	AN970-7	5310-00-167-0769	33	2
81349	ASTM B210		BULK	1
80204	B1821BH038C125N		34	8
14180	FA3775		9	4
14180	FP4144		9	11
14180	FP4146		9	3
76005	J660-2		33	3
96906	MS14315-4X		9	27
96906	MS15795-814B	5310-00-036-6770	33	5
96906	MS16228-4C	5310-00-245-8825	1	21
96906	MS17829-4C		34	2
96906	MS17829-6C	5310-00-483-8790	33	1
			34	6
96906	MS20066-163	5315-00-730-4713	9	23
96906	MS20913-33	4730-00-580-6740	7	1
96906	MS27030-6	5330-00-612-2414	6	4
96906	MS27183-14		34	7
96906	MS27183-18	5310-00-809-5998	9	10
96906	MS29513-253	5330-00-551-3963	9	20
96906	MS29513-273	5330-00-263-8015	9	12
96906	MS35198-70	5305-00-206-3689	9	18
96906	MS35307-307	5305-00-021-3620	1	22
96906	MS35335-61	5310-00-527-3634	1	24
96906	MS35425-39	5310-00-080-8495	1	23
96906	MS35782-6	4820-00-276-9041	6	9
96906	MS35822-11A		BULK	2
96906	MS35842-10	4730-00-908-3195	6	10
			7	2
96906	MS35842-12	4730-00-908-3193	1	18
			8	1
96906	MS51846-1	4730-00-230-1996	8	6
96906	MS51846-152		6	2
96906	MS51846-162		6	6
96906	MS51864-103-18	5307-01-013-7888	9	25
96906	MS51864-106-20	5307-01-016-4423	9	26
96906	MS51967-3	5310-00-905-0762	33	6
96906	MS51968-14	5310-00-732-0560	9	9
96906	MS51968-5	5310-00-880-7746	9	2
96906	MS51971-1	5310-00-903-5966	1	25
96906	MS90725-14		34	4
96906	MS90726-45	5306-00-225-9100	9	13
81349	M24243/1-B403	5320-00-904-4136	1	7
			2	2
81349	M24243/1B402	5320-00-510-7823	1	1
81349	M52618/IE03XB		4	3
03296	NMC557-12C	5325-01-388-5025	1	20
18265	P11-2257		8	4

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
14180	T22720		5330-00-712-7730	9	14
63513	V-190			1	16
81348	WW-P-471-A-A-BU- H			6	7
01276	07.021-10-6		4730-01-322-4980	7	5
66173	089-0100A			2	3
OAK42	103338-32570			23	3
OAK42	103854-01221			31	1
OAK42	105425-01690			21	1
OAK42	105546-51020			14	9
OAK42	105546-51330			14	3
OAK42	106990-44660		5340-01-323-7845	12	1
70436	112-032-103		5340-01-389-9803	4	1
OAK42	114250-01200			21	16
OAK42	114250-01210			21	15
OAK42	114250-01220			21	3
OAK42	114250-01250			21	5
OAK42	114250-01340			21	6
OAK42	114250-01380			21	7
OAK42	114250-01412		5330-01-353-6007	21	14
OAK42	114250-01800			21	11
OAK42	114250-01830			21	8
OAK42	114250-01840			21	9
OAK42	114250-02030			24	4
OAK42	114250-02100			24	2
OAK42	114250-02113			24	5
OAK42	114250-03591			19	5
OAK42	114250-03640			19	6
OAK42	114250-11020			20	24
OAK42	114250-11101			20	18
OAK42	114250-11113			20	19
OAK42	114250-11120			20	15
OAK42	114250-11180			20	14
OAK42	114250-11240			20	7
				20	10
OAK42	114250-11290			20	12
OAK42	114250-11310			19	8
OAK42	114250-11340			20	16
OAK42	114250-11460			20	4
OAK42	114250-11600			20	17
OAK42	114250-11651			20	9
OAK42	114250-11900			20	2
OAK42	114250-11951			19	4
OAK42	114250-12010			16	11
OAK42	114250-12200		5330-01-324-8287	16	12
OAK42	114250-12210		5330-01-326-4773	16	10
OAK42	114250-12520			16	6
OAK42	114250-12550		5310-01-327-0778	16	4
OAK42	114250-12560		5310-01-322-8747	16	5
OAK42	114250-12580		2940-01-310-4495	16	7
OAK42	114250-13200		5330-01-326-4780	15	6

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
OAK42	114250-13521			15	1
			4330-01-323-3288	15	4
OAK42	114250-13701			15	2
OAK42	114250-14200			25	3
OAK42	114250-14260			25	2
OAK42	114250-14450			25	4
OAK42	114250-22302			30	2
OAK42	114250-23200			29	4
OAK42	114250-23220			29	2
OAK42	114250-23250			29	3
OAK42	114250-32010			23	4
OAK42	114250-32070			23	2
OAK42	114250-35060			22	5
OAK42	114250-35250			22	2
OAK42	114250-35270			22	3
OAK42	114250-45211			18	8
OAK42	114250-45300		2815-01-324-9200	18	4
OAK42	114250-45310		5340-01-323-7866	18	3
OAK42	114250-45330		5330-01-330-9564	18	6
OAK42	114250-51080			14	10
OAK42	114250-51150			14	12
OAK42	114250-51160			14	15
OAK42	114250-51180			14	7
OAK42	114250-51190			14	8
OAK42	114250-51200			14	6
OAK42	114250-51300			14	4
OAK42	114250-51340			14	2
OAK42	114250-51600			14	13
OAK42	114250-51640			14	17
OAK42	114250-51650			14	16
OAK42	114250-53001			13	7
OAK42	114250-53080			13	2
OAK42	114250-53120			13	3
OAK42	114250-53130			13	4
OAK42	114250-53140			13	5
OAK42	114250-53210			13	6
OAK42	114250-53300			13	9
OAK42	114250-53331			13	10
OAK42	114250-53400			13	8
OAK42	114250-55041		5340-01-389-1329	11	9
OAK42	114250-55050		5330-01-325-5821	11	10
OAK42	114250-55060		5330-01-325-5806	11	11
OAK42	114250-55100		4240-01-328-4878	11	14
OAK42	114250-55130		5330-01-318-8200	11	21
OAK42	114250-55200			11	8
OAK42	114250-55211			11	6
OAK42	114250-55231			11	4
OAK42	114250-55300			11	22
OAK42	114250-59050			12	2
OAK42	114250-59060			12	4
OAK42	114250-59800			12	5

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
OAK42	114250-61900			27	2
OAK42	114250-66010			28	5
OAK42	114250-66050			28	7
OAK42	114250-66200			28	4
OAK42	114250-66440			28	9
OAK42	114250-66550			28	13
OAK42	114250-76590			17	16
OAK42	114250-76600			19	1
OAK42	114250-76610			19	3
OAK42	114250-92101			35	7
OAK42	114250-92121			35	8
OAK42	114250-92311			35	4
OAK42	114250-92350			35	11
OAK42	114252-55800	5310-01-323-2683		11	17
OAK42	114252-66252			28	11
OAK42	114259021550			31	2
OAK42	114260-01453			21	13
OAK42	114268-92300			35	5
OAK42	114350-11470			20	3
OAK42	114350-55120	4240-01-327-4604		11	20
OAK42	114350-55150			11	16
OAK42	114550-51350			14	5
OAK42	114650-55810			11	2
OAK42	114780-21400			31	3
OAK42	114780-45100			18	5
57487	1213-2-38	4730-01-389-9057		6	11
				7	4
OAK42	121450-61520	3110-01-324-5719		27	3
OAK42	124722-59050			11	15
		5340-01-323-7844		12	3
OAK42	124950-01250			21	4
97403	13200E8803			9	28
97403	13200E8804			9	22
97403	13200E8807-1	536S-00-712-5972		9	16
97403	13200E8807-2	5310-00-712-7731		9	17
97403	13200E8808			9	15
97403	13200E8811			9	6
97403	13200E8812			9	8
97403	13200E8813	5330-00-792-6213		9	7
97403	13200E8815			9	19
97403	13217E1975-1			1	5
97403	13218E0468-227			6	8
97403	13221E8278-2			6	1
97403	13228E9842-4			6	5
97403	13228E9861			8	8
97403	13228E9862			8	2
97403	13228E9863	2815-01-389-9169		10	1
97403	13228E9863-1			16	8
97403	13228E9865			33	8
97403	13228E9869			9	24
97403	13228E9870			9	1

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
		STOCK NUMBER			
97403	13229E5606-101			34	9
97403	13229E5606-102			34	10
97403	13229E5606-103			34	5
97403	13229E6785-4			3	2
				4	4
97403	13229E6789-2			6	3
97403	13229E8221-2			1	4
97403	13229E8221-3			1	3
76371	13229E8221-4			1	8
97403	13229E8223-1			1	12
97403	13229E8230-2			1	14
76371	13229E8230-3			1	9
97403	13229E8230-5			1	2
97403	13229E8230-6			1	11
97403	13229E9444-56			1	26
97403	13229E9452			1	17
97403	13229E9453			1	10
97403	13230E5606			34	1
97403	13230E5607			5	1
97403	13230E5608			4	2
94703	13230E5609			3	1
97403	13230E5610			2	1
97403	13299E8222			1	15
94703	13299E8224			1	13
OAK42	135410-92140			35	3
01276	1525-6	4720-00-274-1154		BULK	3
OAK42	160110-02220			24	6
OAK42	160120-76940	5310-01-388-8806		18	2
OAK42	160210-02220	5330-01-324-8253		24	1
OAK42	160260-76520			17	10
OAK42	160260-76530			17	8
OAK42	160260-76540			17	11
OAK42	160260-76550			17	4
OAK42	160260-76560			17	9
OAK42	160260-76580			17	6
OAK42	160260-76590			17	5
OAK42	160260-76600			17	3
OAK42	160260-76620	2990-01-323-1322		17	14
OAK42	160260-76630	2990-01-325-8264		17	13
OAK42	160290-76570			17	7
OAK42	160710-01760			20	21
OAK42	160725-78350			28	1
93061	2202P2-2	4730-00-639-9730		8	5
OAK42	22117-060000	5310-01-322-8696		11	18
OAK42	22117-080000			11	3
OAK42	22137-080000			27	4
OAK42	22252-000190			30	1
OAK42	22312-030080			29	6
OAK42	22312-030160			19	7
				23	5
OAK42	22312-080120			21	19



## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
OAK42	22351-020006			14	11
OAK42	22351-030008			14	14
OAK42	22351-040008			20	20
OAK42	22512-040120			31	5
OAK42	23414-120000		5330-01-330-9612	11	13
OAK42	23887-120002		5340-01-323-7785	11	12
OAK42	24101-062024		3110-01-322-9532	26	2
OAK42	24101-062050			24	7
OAK42	24162-152112			24	8
OAK42	24311-000180			22	20
OAK42	24341-000150		5330-01-325-5810	11	23
OAK42	24341-000224			22	4
OAK42	26106-060082		5305-01-163-5075	15	3
				17	1
OAK42	26106-060122		5305-01-300-6264	15	5
				17	15
				22	1
OAK42	26106-060202			28	3
OAK42	26106-060252		5305-01-255-6548	16	9
				21	12
OAK42	26106-060552			19	2
OAK42	26106-080122			24	3
OAK42	26106-080452		5306-01-388-6230	11	1
				20	5
OAK42	26116-040088			28	8
OAK42	26116-060454			35	9
OAK42	26216-080182			20	21
OAK42	26226-060142			16	1
OAK42	26226-060182			21	17
OAK42	26226-060222			21	18
OAK42	26226-060502			20	23
OAK42	26226-060552			20	22
OAK42	26366-060002		5310-01-388-8826	11	19
				16	2
				20	1
				21	10
OAK42	26366-080002			15	7
OAK42	26476-060142		5306-01-388-7402	11	5
				18	7
				23	1
				28	2
OAK42	26476-060252		5305-01-069-8235	18	1
OAK42	26696-100002			28	12
OAK42	26716-060002			35	10
OAK42	26756-060002			20	8
				20	11
				28	10
OAK42	28190-000020			35	2
OAK42	28190-000130			35	1
OAK42	28210-000010			35	6
81346	3/8IN-16X2.25IN			33	7

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
		STOCK NUMBER			
58180	3S1105H2B			1	19
OAK42	43400-500490	5330-01-326-2669		10	
				21	2
76371	5500293000			7	3
76371	5500293001			6	12
76371	5500331000			2	10
76371	5500333000			2	4
76371	5500345000			2	6
76317	5500351001			4	5
76371	5500353003			2	8
76371	550352001			3	3
73171	5700343000			2	7
76371	5700345000			2	9
76371	5700351000			2	5
96906	5700385000			33	4
93061	68HB-6-6	4730-01-389-8968		6	13
96906	7B735A-703			BULK	4
73680	70002-0012			9	21
76371	7003470000			34	3
OAK42	714250-11570			20	13
OAK42	714250-12560	2940-01-323-3289		16	3
OAK42	714250-22502			30	4
OAK42	714250-23600			29	5
OAK42	714250-23703	2815-01-323-0351		29	1
OAK42	714250-28510			26	1
OAK42	714250-51710			14	1
OAK42	714250-53101	2910-01-310-4522		13	1
OAK42	714250-55711			11	7
OAK42	714250-61500			27	1
OAK42	714260-14580			25	1
OAK42	714260-76820	2990-01-323-0307		17	2
OAK42	714260-76830			17	12
OAK42	714268-66500			28	6
OAK42	714270-11660			20	6
OAK42	714271-01560			32	1
OAK42	714280-22720	2815-01-353-9785		30	3
OAK42	714288-21700			31	4
OAK42	714770-61700			27	5
OAK42	737600-93502			35	12
57137	750B-2X1/16-ALUM			BULK	5
62408	763/4750/9425-1.			BULK	6
	00 54 108				
62408	763/4750/9425-2.			BULK	7
	00 54 108				
OAK42	95500-001043			35	13
OAK42	95560-001041			35	14

## CROSS-REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX				
FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
BULK	1		81349	ASTM B210
BULK	2		96906	MS35822-11A
BULK	3	4720-00-274-1154	01276	1525-6
BULK	4		96906	7B735A-703
BULK	5		57137	7508-2X1/16-ALUM
BULK	6		62408	763/4750/9425-1. 00 54 108
BULK	7		62408	763/4750/9425-2. 00 54 108
1	1	5320-00-510-7823	81349	M24243/IB402
1	2		97403	13229E8230-5
1	3		97403	13229E8221-3
1	4		97403	13229E8221-2
1	5		97403	13217E1975-1
1	6		92729	A-R1-1Q-1Q-9/63
1	7	5320-00-904-4136	81349	M24243/1-B403
1	8		76371	13229E8221-4
1	9		76371	13229E8230-3
1	10		97403	13229E9453
1	11		97403	13229E8230-6
1	12		97403	13229E8223-1
1	13		94703	13299E8224
1	14		97403	13229E8230-2
1	15		97403	13299E8222
1	16		63513	V-190
1	17		97403	13229E9452
1	18	4730-00-908-3193	96906	MS35842-12
1	19		58180	3S1105H2B
1	20	5325-01-388-5025	03296	NMC557-12C
1	21	5310-00-245-8825	96906	MS16228-4C
1	22	5305-00-021-3620	96906	MS35307-307
1	23	5310-00-080-8495	96906	MS35425-39
1	24	5310-00-527-3634	96906	MS35335-61
1	25	5310-00-903-5966	96906	MS51971-1
1	26		97403	13229E9444-56
2	1		97403	13230E5610
2	2	5320-00-904-4136	81349	M24243/1-B403
2	3		66173	089-0100A
2	4		76371	5500333000
2	5		76371	5700351000
2	6		76371	5500345000
2	7		73171	5700343000
2	8		76371	5500353003
2	9		76371	5700345000
2	10		76371	5500331000
3	1		94703	13230E5609
3	2		97403	13229E6785-4
3	3		76371	550352001
4	1	5340-01-389-9803	70436	112-032-103
4	2		97403	13230E5608
4	3		81349	M52618/IE03XB

## CROSS-REFERENCE INDEXES

## FIGURE AND ITEM NUMBER INDEX

FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
4	4		97403	13229E6785-4
4	5		76317	5500351001
5	1		97403	13230ES607
6	1		97403	13221E8278-2
6	2		96906	MS51846-152
6	3		97403	13229E6789-2
6	4	5330-00-612-2414	96906	MS27030-6
6	5		97403	13228E9842-4
6	6		96906	MS51846-162
6	7		81348	WW-P-471-A-A-BU-H
6	8		97403	13218E0468-227
6	9	4820-00-276-9041	96906	MS35782-6
6	10	4730-00-908-3195	96906	MS35842-10
6	11	4730-01-389-9057	57487	1213-2-38
6	12		76371	5500293001
6	13	4730-01-389-8968	93061	68HB-6-6
7	1	4730-00-580-6740	96906	MS20913-3J
7	2	4730-00-908-3195	96906	MS35842-10
7	3		76371	5500293000
7	4	4730-01-389-9057	57487	1213-2-38
7	5	4730-01-322-4980	01276	07.021-10-6
8	1	4730-00-908-3193	96906	MS35842-12
8	2		97403	13228E9862
8	4		18265	P11-2257
8	5	4730-00-639-9730	93061	2202P2-2
8	6	4730-00-230-1996	96906	MS51846-1
8	7		88044	AN910-1
8	8		97403	13228E9861
9	1		97403	13228E9870
9	2	5310-00-880-7746	96906	MS51968-5
9	3		14180	FP4146
9	4		14180	FA3775
9	5		03950	ANSIS18.6.3-1/4 20UNC2A1/2L
9	6		97403	13200E8811
9	7	5330-00-792-6213	97403	13200E8813
9	8		97403	13200E8812
9	9	5310-00-732-0560	96906	MS51968-14
9	10	5310-00-809-5998	96906	MS27183-18
9	11		14180	FP4144
9	12	5330-00-263-8015	96906	MS29513-273
9	13	5306-00-225-9100	96906	MS9-0726-45
9	14	5330-00-712-7730	14180	T22720
9	15		97403	13200E8808
9	16	5365-00-712-5972	97403	13200E8807-1
9	17	5310-00-712-7731	97403	13200E8807-2
9	18	5305-00-206-3689	96906	MS35198-70
9	19		97403	13200E8815
9	20	5330-00-551-3963	96906	MS29513-253
9	21		73680	70002-0012

## CROSS-REFERENCE INDEXES

## FIGURE AND ITEM NUMBER INDEX

FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
9	22		97403	13200E8804
9	23	5315-00-730-4713	96906	MS20066-163
9	24		97403	1322BE9869
9	25	5307-01-013-7888	96906	MS51864-103-18
9	26	5307-01-016-4423	96906	MS51864-106-20
9	27		96906	MS14315-4X
9	28		97403	13200E8803
10		5330-01-326-2669	OAK42	43400-500490
10	1	2815-01-389-9169	97403	13228E9863
11	1	5306-01-388-6230	OAK42	26106-080452
11	2		OAK42	114650-55810
11	3		OAK42	22117-080000
11	4		OAK42	114250-55231
11	5	5306-01-388-7402	OAK42	26476-060142
11	6		OAK42	114250-55211
11	7		OAK42	714250-55711
11	8		OAK42	114250-55200
11	9	5340-01-389-1329	OAK42	114250-55041
11	10	5330-01-325-5821	OAK42	114250-55050
11	11	5330-01-325-5806	OAK42	114250-55060
11	12	5340-01-323-7785	OAK42	23887-120002
11	13	5330-01-330-9612	OAK42	23414-120000
11	14	4240-01-328-4878	OAK42	114250-55100
11	15		OAK42	124722-59050
11	16		OAK42	114350-55150
11	17	5310-01-323-2683	OAK42	114252-55800
11	18	5310-01-322-8696	OAK42	22117-060000
11	19	5310-01-388-8826	OAK42	26366-060002
11	20	4240-01-327-4604	OAK42	114350-55120
11	21	5330-01-318-8200	OAK42	114250-55130
11	22		OAK42	114250-55300
11	23	5330-01-325-5810	OAK42	24341-000150
12	1	5340-01-323-7845	OAK42	106990-44660
12	2		OAK42	114250-59050
12	3	5340-01-323-7844	OAK42	124722-59050
12	4		OAK42	114250-59060
12	5		OAK42	114250-59800
13	1	2910-01-310-4522	OAK42	714250-53101
13	2		OAK42	114250-53080
13	3		OAK42	114250-53120
13	4		OAK42	114250-53130
13	5		OAK42	114250-53140
13	6		OAK42	114250-53210
13	7		OAK42	114250-53001
13	8		OAK42	114250-53400
13	9		OAK42	114250-53300
13	10		OAK42	114250-53331
14	1		OAK42	714250-51710
14	2		OAK42	114250-51340
14	3		OAK42	105546-51330
14	4		OAK42	114250-51300

## CROSS-REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX				
FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
14	5		OAK42	114550-51350
14	6		OAK42	114250-51200
14	7		OAK42	114250-51180
14	8		OAK42	114250-51190
14	9		OAK42	105546-51020
14	10		OAK42	114250-51080
14	11		OAK42	22351-020006
14	12		OAK42	114250-51150
14	13		OAK42	114250-51600
14	14		OAK42	22351-030008
14	15		OAK42	114250-51160
14	16		OAK42	114250-51650
14	17		OAK42	114250-51640
15	1		OAK42	114250-13521
15	2		OAK42	114250-13701
15	3	5305-01-163-5075	OAK42	26106-060082
15	4	4330-01-323-3288	OAK42	114250-13521
15	5	5305-01-300-6264	OAK42	26106-060122
15	6	5330-01-326-4780	OAK42	114250-13200
15	7		OAK42	26366-080002
16	1		OAK42	26226-060142
16	2	5310-01-388-8826	OAK42	26366-060002
16	3	2940-01-323-3289	OAK42	714250-12560
16	4	5310-01-327-0778	OAK42	114250-12550
16	5	5310-01-322-8747	OAK42	116250-12560
16	6		OAK42	114250-12520
16	7	2940-01-310-4495	OAK42	114250-12580
16	8		97403	13228E9863-1
16	9	5305-01-255-6548	OAK42	26106-060252
16	10	5330-01-326-4773	OAK42	114250-12210
16	11		OAK42	114250-12010
16	12	5330-01-324-8287	OAK42	114250-12200
17	1	5305-01-163-5075	OAK42	26106-060082
17	2	2990-01-323-0307	OAK42	714260-76820
17	3		OAK42	160260-76600
17	4		OAK42	160260-76550
17	5		OAK42	160260-76590
17	6		OAK42	160260-76580
17	7		OAK42	160290-76570
17	8		OAK42	160260-76530
17	9		OAK42	160260-76560
17	10		OAK42	160260-76520
17	11		OAK42	160260-76540
17	12		OAK42	714260-76830
17	13	2990-01-325-8264	OAK42	160260-76630
17	14	2990-01-323-1322	OAK42	160260-76620
17	15		OAK42	26106-060122
17	16		OAK42	114250-76590
18	1	5305-01-069-8235	OAK42	26476-060252
18	2	5310-01-388-8806	OAK42	160120-76940
18	3	5340-01-323-7866	OAK42	114250-45310

## CROSS-REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX				
FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
18	4	2815-01-324-9200	OAK42	114250-45300
18	5		OAK42	114780-45100
18	6	5330-01-330-9564	OAK42	114250-45330
18	7	5306-01-388-7402	OAK42	26476-060142
18	8		OAK42	114250-45211
19	1		OAK42	114250-76600
19	2		OAK42	26106-060552
19	3		OAK42	114250-76610
19	4		OAK42	114250-11951
19	5		OAK42	114250-03591
19	6		OAK42	114250-03640
19	7		OAK42	22312-030160
19	8		OAK42	114250-11310
20	1		OAK42	26366-060002
20	2		OAK42	114250-11900
20	3		OAK42	114350-11470
20	4		OAK42	114250-11460
20	5		OAK42	26106-080452
20	6		OAK42	714270-11660
20	7		OAK42	114250-11240
20	8		OAK42	26756-060002
20	9		OAK42	114250-11651
20	10		OAK42	114250-11240
20	11		OAK42	26756-060002
20	12		OAK42	114250-11290
20	13		OAK42	714250-11570
20	14		OAK42	114250-11180
20	15		OAK42	114250-11120
20	16		OAK42	114250-11340
20	17		OAK42	114250-11600
20	18		OAK42	114250-11101
20	19		OAK42	114250-11113
20	20		OAK42	22351-040008
20	21		OAK42	160710-01760
20	21		OAK42	26216-080182
20	22		OAK42	26226-060552
20	23		OAK42	26226-060502
20	24		OAK42	114250-11020
21	1		OAK42	105425-01690
21	2		OAK42	43400-500490
21	3		OAK42	114250-01220
21	4		OAK42	124950-01250
21	5		OAK42	114250-01250
21	6		OAK42	114250-01340
21	7		OAK42	114250-01380
21	8		OAK42	114250-01830
21	9		OAK42	114250-01840
21	10		OAK42	26366-060002
21	11		OAK42	114250-01800
21	12		OAK42	26106-060252
21	13		OAK42	114260-01453

## CROSS-REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX				
FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
21	14	5330-01-353-6007	OAK42	114250-01412
21	15		OAK42	114250-01210
21	16		OAK42	114250-01200
21	17		OAK42	26226-060182
21	18		OAK42	26226-060222
21	19		OAK42	22312-080120
22	1		OAK42	26106-060122
22	2		OAK42	114250-35250
22	3		OAK42	114250-35270
22	4		OAK42	24341-000224
22	5		OAK42	114250-35060
22	20		OAK42	24311-000180
23	1		OAK42	26476-060142
23	2		OAK42	114250-32070
23	3		OAK42	103338-32570
23	4		OAK42	114250-32010
23	5		OAK42	22312-030160
24	1	5330-01-324-8253	OAK42	160210-02220
24	2		OAK42	114250-02100
24	3		OAK42	26106-080122
24	4		OAK42	114250-02030
24	5		OAK42	114250-02113
24	6		OAK42	160110-02220
24	7		OAK42	24101-062050
24	8		OAK42	24162-152112
25	1		OAK42	714260-14580
25	2		OAK42	114250-14260
25	3		OAK42	114250-14200
25	4		OAK42	114250-14450
26	1		OAK42	714250-28510
26	2	3110-01-322-9532	OAK42	24101-062024
27	1		OAK42	714250-61500
27	2		OAK42	114250-61900
27	3	3110-01-324-5719	OAK42	121450-61520
27	4		OAK42	22137-080000
27	5		OAK42	714770-61700
28	1		OAK42	160725-78350
28	2	5306-01-388-7402	OAK42	26476-060142
28	3		OAK42	26106-060202
28	4		OAK42	114250-66200
28	5		OAK42	114250-66010
28	6		OAK42	714268-66500
28	7		OAK42	114250-66050
28	8		OAK42	26116-040088
28	9		OAK42	114250-66440
28	10		OAK42	26756-060002
28	11		OAK42	114252-66252
28	12		OAK42	26696-100002
28	13		OAK42	114250-66550
29	1	2815-01-323-0351	OAK42	714250-23703
29	2		OAK42	114250-23220




## CROSS-REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX				
FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
29	3		OAK42	114250-23250
29	4		OAK42	114250-23200
29	5		OAK42	714250-23600
29	6		OAK42	22312-030080
30	1		OAK42	22252-000190
30	2		OAK42	114250-22302
30	3	2815-01-353-9785	OAK42	714280-22720
30	4		OAK42	714250-22502
31	1		OAK42	103854-01221
31	2		OAK42	114259021550
31	3		OAK42	114780-21400
31	4		OAK42	714288-21700
31	5		OAK42	22512-040120
32	1		OAK42	714271-01560
33	1	5310-00-483-8790	96906	MS17829-6C
33	2	5310-00-167-0769	88044	AN970-7
33	3		76005	J660-2
33	4		96906	5700385000
33	5	5310-00-036-6770	96906	MS15795-814B
33	6	5310-00-905-0762	96906	MS51967-3
33	7		81346	3/8IN-16X2.25IN
33	8		97403	13228E9865
34	1		97403	13230E5606
34	2		96906	MS17829-4C
34	3		76371	7003470000
34	4		96906	MS90725-14
34	5		97403	13229E5606-103
34	6	5310-00-483-8790	96906	MS17829-6C
34	7		96906	MS27183-14
34	8		80204	B1821BH038C125N
34	9		97403	13229E5606-101
34	10		97403	13229E5606-102
35	1		OAK42	28190-000130
35	2		OAK42	28190-000020
35	3		OAK42	135410-92140
35	4		OAK42	114250-92311
35	5		OAK42	114268-92300
35	6		OAK42	28210-000010
35	7		OAK42	114250-92101
35	8		OAK42	114250-92121
35	9		OAK42	26116-060454
35	10		OAK42	26716-060002
35	11		OAK42	114250-92350
35	12		OAK42	737600-93502
35	13		OAK42	95500-001043
35	14		OAK42	95560-001041

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  
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## 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 dekagram = 10 grams = .35 ounce  
 acres  
 1 hectogram = 10 dekagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

### *Liquid Measure*

1 centiliter = 10 milliliters = .34 fl. 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 temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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