

**TECHNICAL MANUAL**

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

**FOR**

**PUMP UNIT, CENTRIFUGAL, WATER,  
DIESEL-ENGINE-DRIVEN,  
2-1/2-INCH, SKID-MOUNTED,  
200 GPM AT 300 FEET TOTAL HEAD  
MODEL US2520 HCCD-1  
(NSN 4320-01-181-4149)**

**Approved for public release; distribution is unlimited.**

**\*Supersedes TM 5-4320-302-24P, 26 August 1987, including all changes.**

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CHANGE

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 9 NOVEMBER 1992

NO. 1

Organizational, Direct Support and General Support Maintenance  
Repair Parts and Special Tools List

for

**PUMP UNIT, CENTRIFUGAL, WATER,  
DIESEL ENGINE DRIVEN,  
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1. Remove and insert pages as indicated below. New or changed text material is indicated by a vertical bar in the margin. An illustration change is indicated by a miniature pointing hand.

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19-1 and Fig. 20  
I-3 and I-4  
I-13 and I-14

Insert pages

19-1 and Fig. 20  
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General Support Maintenance  
Repair Parts and Special Tools List  
For  
PUMP UNIT, CENTRIFUGAL, WATER, DIESEL-ENGINE-DRIVEN,  
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NSN 4320-01-181-4149  
Current as of September 1989**

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## 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 Air Conditioner. 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 this section, 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. This 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 functional groups in Section II. Repair parts for repairable special tools are also listed in this section. Items listed are shown in the associated illustration(s)/figure(s).

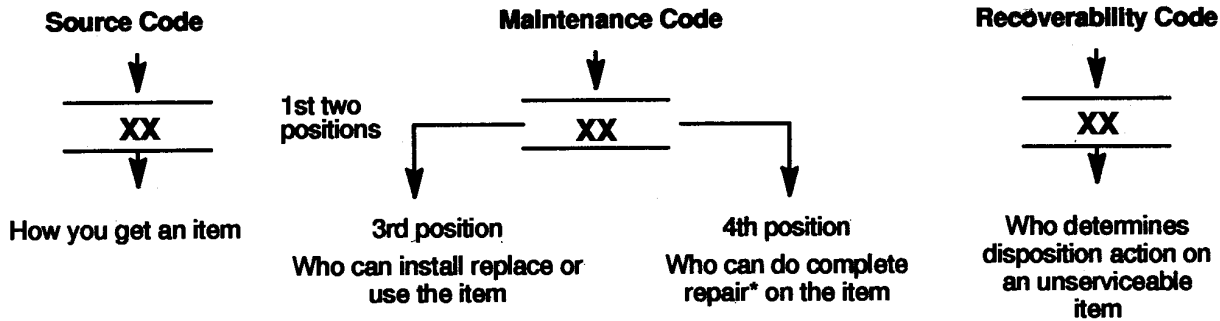
b. **Section III. Special Tools List.** A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

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 references NSN, CAGEC and part number.

### 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/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout:



\* Complete Rear: 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 you get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow.

Code	Explanation
PA	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.
PB	
PC**	
PD	
PE	
PF	
PG	
KD	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.
KF	
KB	
MO (Made at org AVUM level)	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 the RPSTL. If the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.
MF (Made at DS/AVUM level)	
MH (Made at GS level)	
ML (Made at Specialized Repair Activity (SRA))	
MD (Made at Depot)	

- AO (Assembled by org AVUM Level)
- AF (Assembled by DS/AVUM Level)
- AH (Assembled by GS Category)
- AL (Assembled by SRA)
- AD (Assembled by Depot)



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 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.

Code Explanation

- XB - - If an "XB" item is not available from salvage, order it using the CAGE Code 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 CAGE Code 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 750-1

(2) **Maintenance Code.** Maintenance codes tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth 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 the following levels of maintenance.

Code Application/Explanation

C - Crew or operator maintenance done within unit/AVUM maintenance.

O - Unit level VAVUM maintenance can remove, replace, and use the item.

F - Direct support/AVIM maintenance can remove, replace, and use the item.

H - General support maintenance can remove, replace, and use the item.

L - Specialized repair activity can remove, replace, and use the item.

D - Depot 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). This position will contain one of the following maintenance codes.

Code	Application/Explanation
------	-------------------------

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 than can do complete repair of the item.	
--	--

H - General Support is the lowest level that can do complete repair of the item.	
--	--

L - Specialized repair activity is the lowest level that can do complete repair of the item.	
--	--

D - Depot is the lowest level that can do complete repair of the item.	
--	--

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:

Recoverability Codes	Application/Explanation
-------------------------	-------------------------

Z - Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in 3rd position of SMR Code.	
---	--



Recoverability  
Codes

Application/Explanation

- O - Repairable item. When not economically repairable, condemn and dispose of the item at unit or AVUM level.
- F - Repairable item. When uneconomically repairable, condemn and dispose of the item at the direct support or AVIM level.
- H - Repairable item. When uneconomically repairable, condemn and dispose of the item at the 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 Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency/activity 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 an NSN to requisition an item, the item you receive may have a different part number from the number listed.

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 of 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 (reference 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 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.
- (10) The indenture, shown as dots appearing before the repair part, indicates that the item is a repair part of the next higher assembly.

**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 instead of a quantity indicates that the quantity is variable and may vary from application to application.

**4. EXPLANATION OF INDEX FORMAT AND COLUMNS (SECTION IV).**

**a. NATIONAL STOCK NUMBER (NSN) INDEX.**

- (1) **STOCK NUMBER Column.** This column lists the NSN in national item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN, i.e.

NSN
5305-01-574-1467
NIIN

When using this column to locate an item, ignore the first four digits of the NSN. Use the complete NSN (13 digits) when requisitioning 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 in ascending alphanumeric sequence (i. e., vertical arrangement of letter and number combinations which place 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) **CAGEC Column.** The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency/activity 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) **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 Section 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.

**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 last line of the applicable item description/nomenclature. Uncoded items are applicable to all models.

b. **ASSOCIATED PUBLICATIONS.** The publications listed below pertain to the Air Conditioner and its components.

<u>Publication</u>	<u>Short Title</u>
TM 9-4120-404-14	Operator, Unit, Direct Support and General Support Maintenance Manual.

**6. HOW TO LOCATE REPAIR PARTS.**

a. **When National Stock Numbers or Part Numbers are NOT Known.**

- (1) **First.** Using the table of contents, determine the assembly 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 of National Stock Number and Part Number Indexes find the pertinent National Stock Number or Part Number. The NSN index is in National Item Identification Number (NIIN) sequence (see paragraph 4.a.). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see paragraph 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. Abbreviations used in this manual are listed in MIL-STD-12.**

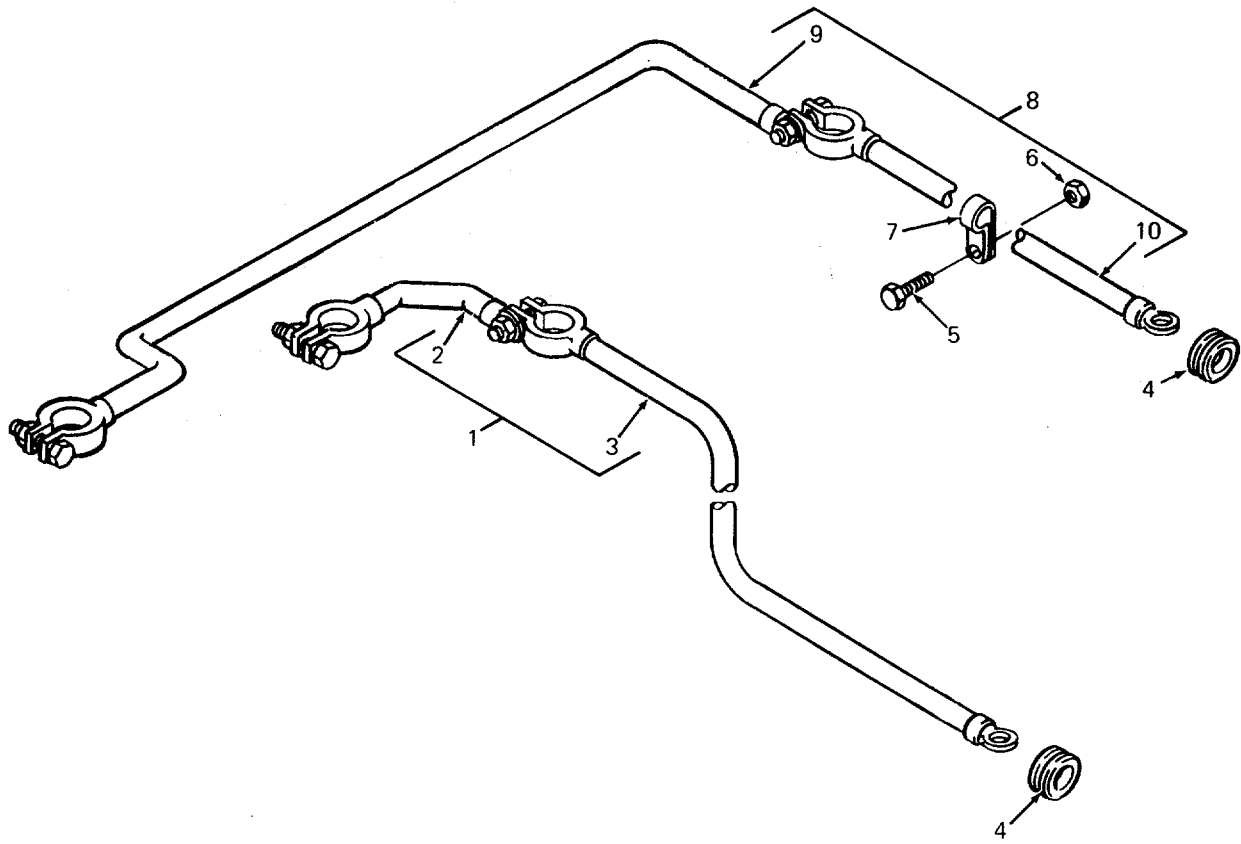


Figure 1. Battery Cable Assemblies

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 01 BATTERY CABLE ASSEMBLIES					
FIG. 1 BATTERY CABLE ASSEMBLIES					
1	AOZZ	05748	77044SA	BATTERY CABLE ASSY, GROUND .....	1
2	PAZZ	19099	MEC87-0042-1	LEAD, STORAGE BATTER BATTERY, GROUND.....	1
3	PAZZ	19099	MEC87-0042-2	LEAD, STORAGE BATTER BATTERY, .....	1
				POSITIVE .....	
4	XDOZZ	76385	Z-2162	GROMMET .....	2
5	PAZZ	96906	MS35206-245	SCREW, MACHINE NO.8-32, 1/2 BINDING .....	1
				HD, SLOTTED .....	
6	PAZZ	05748	21275	NUT HEX NO. 8-32 .....	1
7	PAZZ	96906	MS39326-11	CLAMP, HOSE .....	1
8	AOZZ	05748	77039SA	BATTERY CABLE ASSY, POSITIVE.....	1
9	PAZZ	19099	MEC87-0042-3	LEAD, STORAGE BATTER BATTERY, .....	1
				POSITIVE .....	
10	PAZZ	19099	MEC87-0042-4	LEAD, STORAGE BATTER BATTERY.....	1
END OF FIGURE					

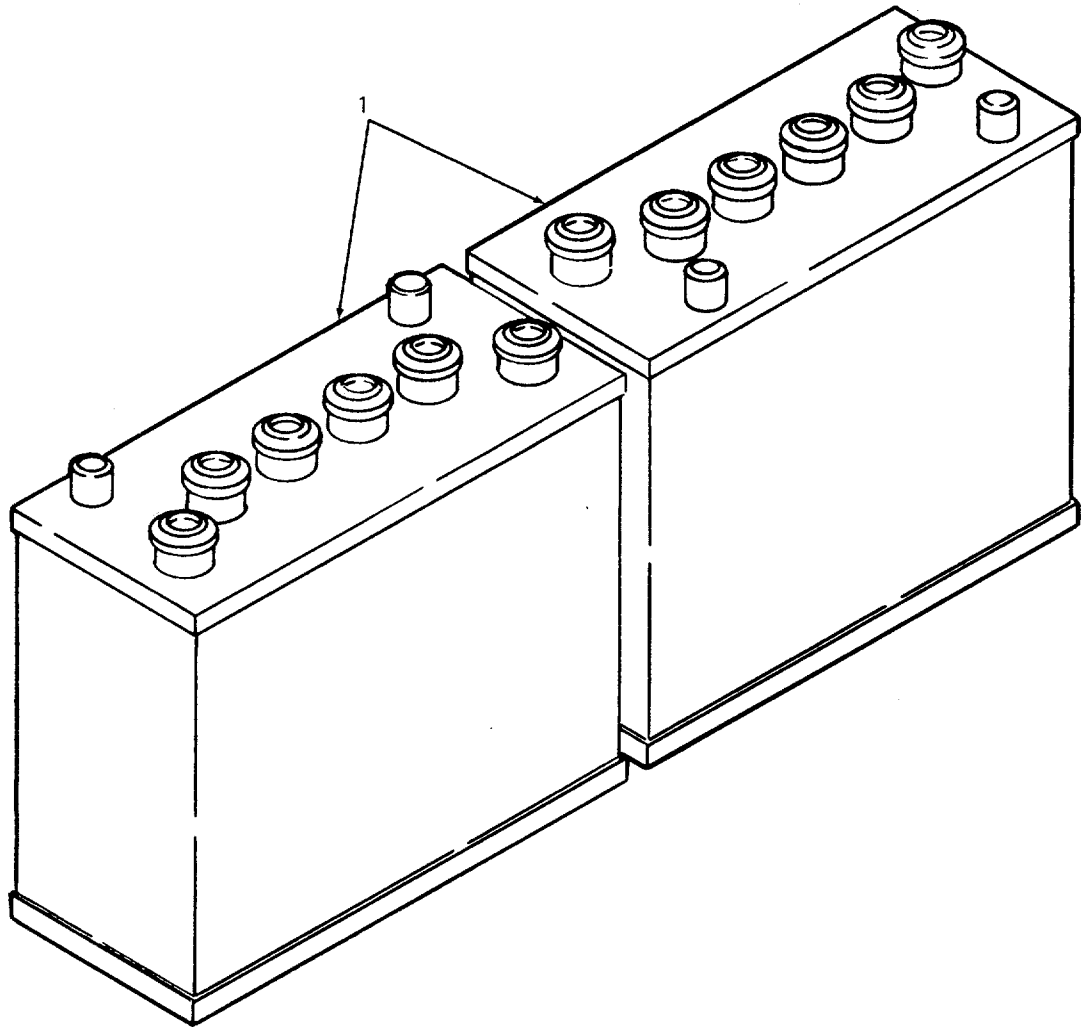


Figure 2. Battery

SECTION II

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(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 02 BATTERY	
				FIG. 2 BATTERY	
1	PAOZA	96906	MS35000-1	BATTERY, STORAGE .....	2

END OF FIGURE



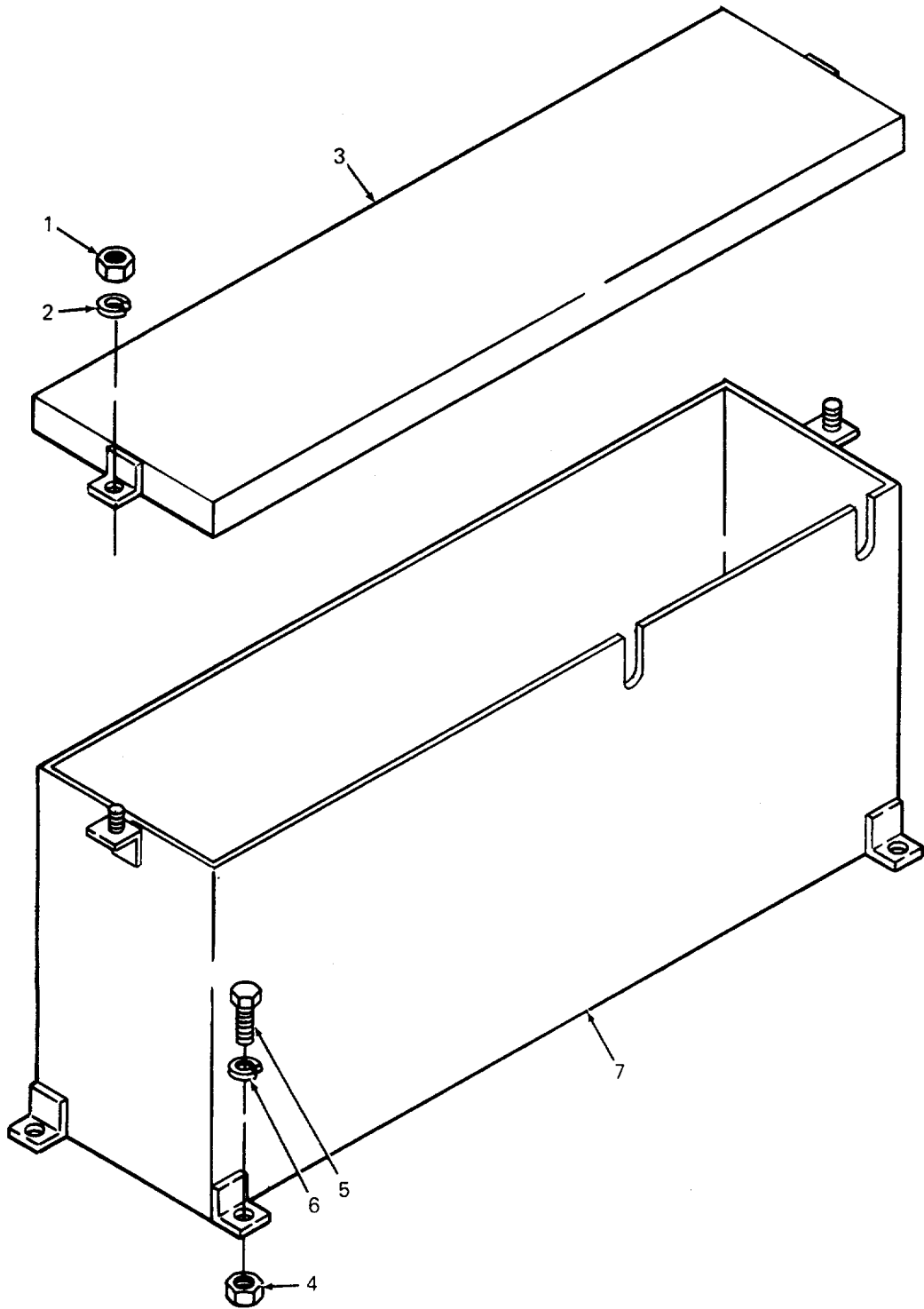


Figure 3. Battery Box Assembly

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 03 BATTERY BOX ASSEMBLY					
FIG. 3 BATTERY BOX ASSEMBLY					
1	PAOZZ	96906	MS51967-2	NUT, PLAIN, HEXAGON 1/4-20 .....	2
2	PAOZZ	96906	MS35338-44	WASHER, LOCK 1/4 ID .....	2
3	XDOZZ	05748	76996SA	COVER, BATTERY BOX .....	1
4	PAOZZ	96906	MS51967-8	NUT, PLAIN, HEXAGON 3/8-16 UNC-2B .....	4
5	PAOZZ	96906	MS90728-60	SCREW, CAP, HEXAGON H 3/8-16X1.....	4
6	PAOZZ	96906	MS35338-46	WASHER, LOCK 3/8 ID .....	4
7	XDOZZ	05748	76469SA	BOX, BATTERY .....	1
END OF FIGURE					

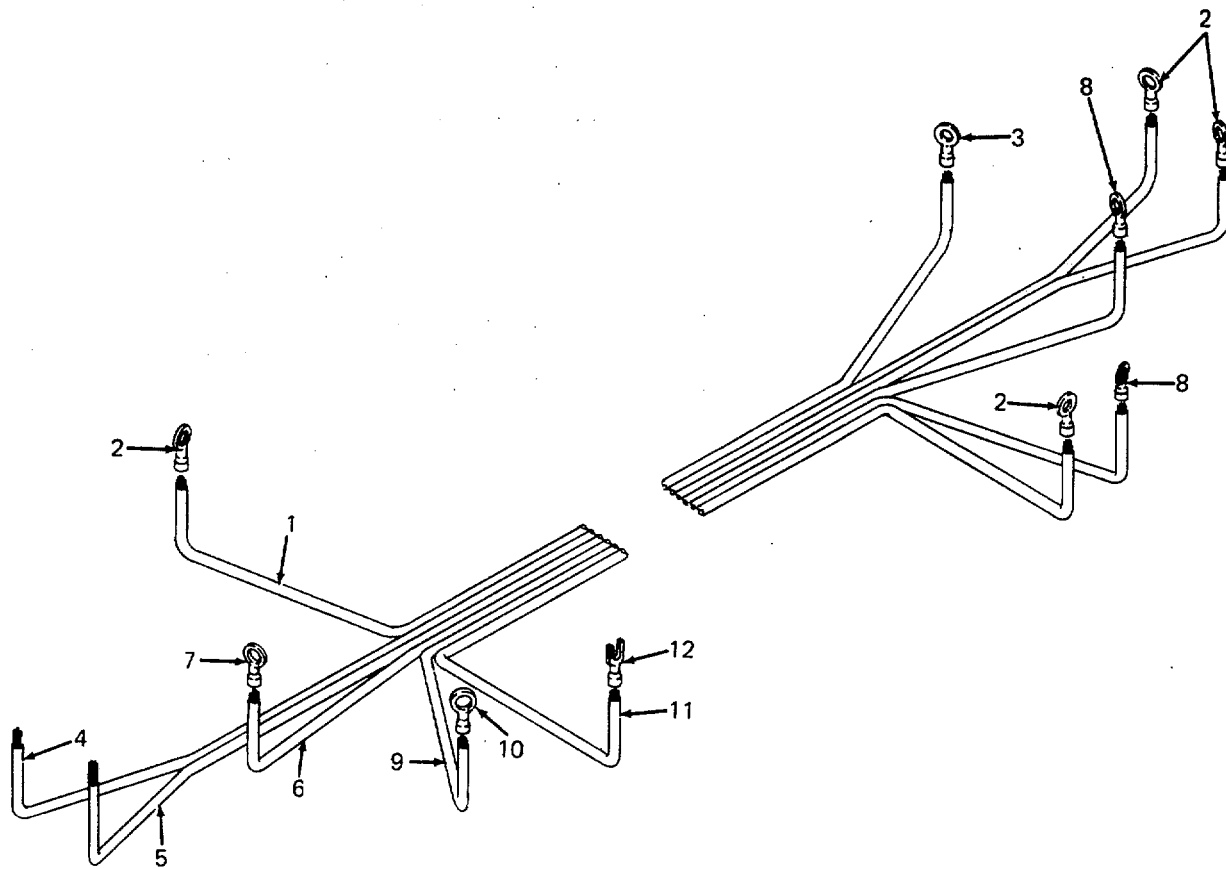


Figure 4. Electrical System

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 04 ELECTRICAL SYSTEM					
FIG. 4 ELECTRICAL SYSTEM					
1	XDOZZ	05748	76891	WIRE, SHIELDED RED AND WHITE 18 AWG 2.5 FT. LONG .....	V
2	XDOZZ	96906	MS25036-153	TERMINAL, LUG .....	1
3	XDOZZ	05748	74160	TERMINAL, LUG .....	1
4	XDOZZ	05748	74180	WIRE, GREEN 14 AWG 5.6 FT.LONG.....	V
5	XDOZZ	05748	74177	WIRE, RED 14 AWG 5.0 FT.LONG .....	V
6	XDOZZ	05748	74176	WIRE, BROWN 14 AWG 2.5 FT.LONG .....	V
7	XDOZZ	96906	MS25036-155	TERMINAL, LUG .....	1
8	XDOZZ	96906	MS25036-108	TERMINAL, LUG .....	1
9	XDOZZ	05748	74179	WIRE, YELLOW 14 AWG 2.5 FT.LONG .....	V
10	XDOZZ	96906	MS25036-157	TERMINAL, LUG .....	1
11	XDOZZ	05748	74181	WIRE, BLUE 14 AWG 2.5 FT.LONG .....	V
12	XDOZZ	05748	77362	TERMINAL, SPADE .....	1
END OF FIGURE					

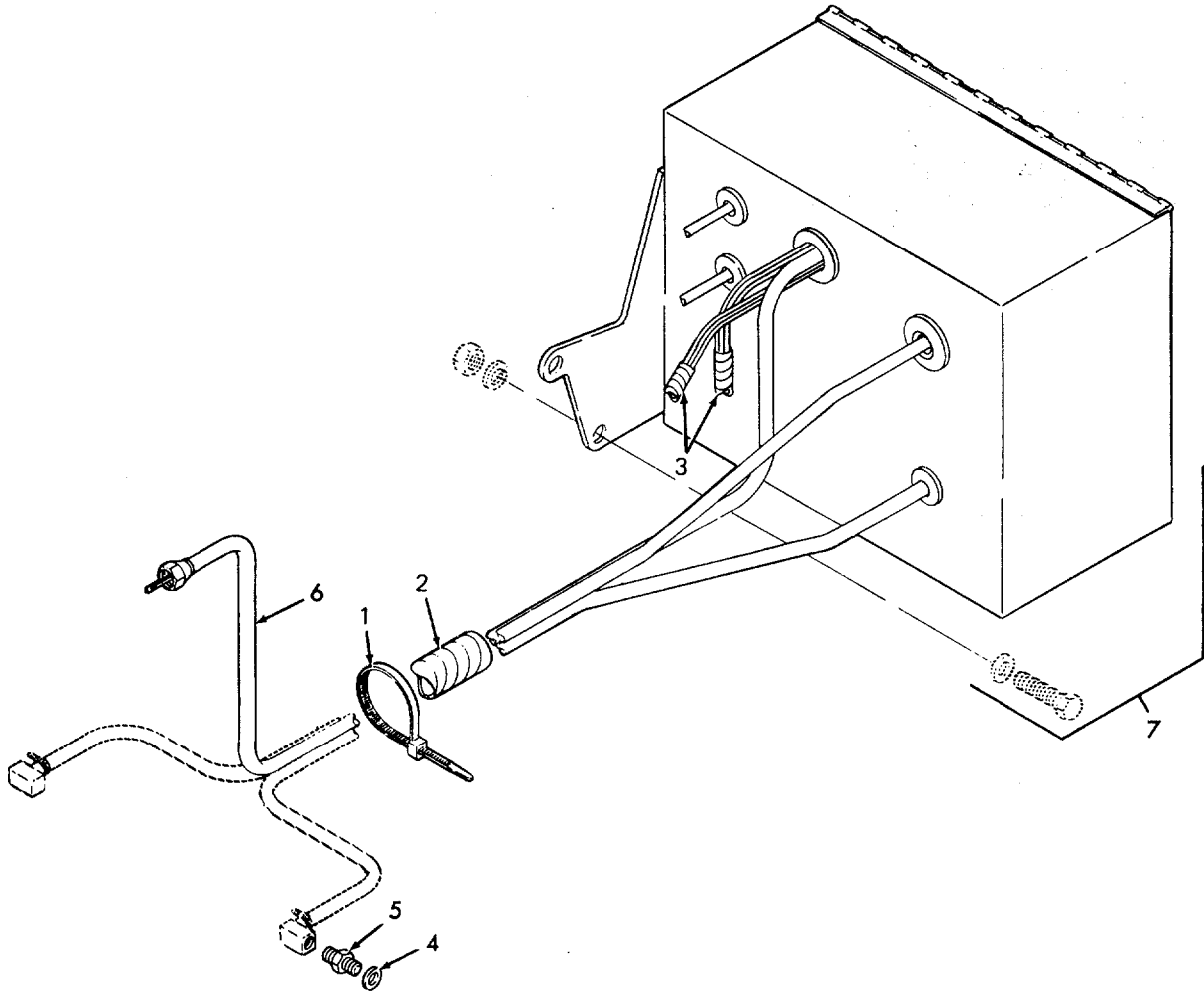


Figure 5. Control Panel

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 CONTROL PANEL, GAGES					
FIG. 5 CONTROL PANEL CONTROLS, INDICATORS					
1	PAOZZ	59730	TY-524M	STRAP, TIEDOWN, ELECT .....	4
2	XDOZZ	05748	74189	WRAP, SPIRAL.....	1
3	XDOZZ	05748	74188	WRAP, SPIRAL .....	1
4	PAOZZ	05748	77353	WASHER, FLAT.....	1
5	PAOZZ	03479	65-05-0461	ADAPTER MIO X 1/8 NPT, COPPER.....	1
6	PBOZZ	05748	77360	SHAFT ASSEMBLY, FLEX 43.31 IN LG .....	1
7	XDOOO	05748	76464SA	COVER ASSEMBLY, CONTROL PANEL .....	1
END OF FIGURE					

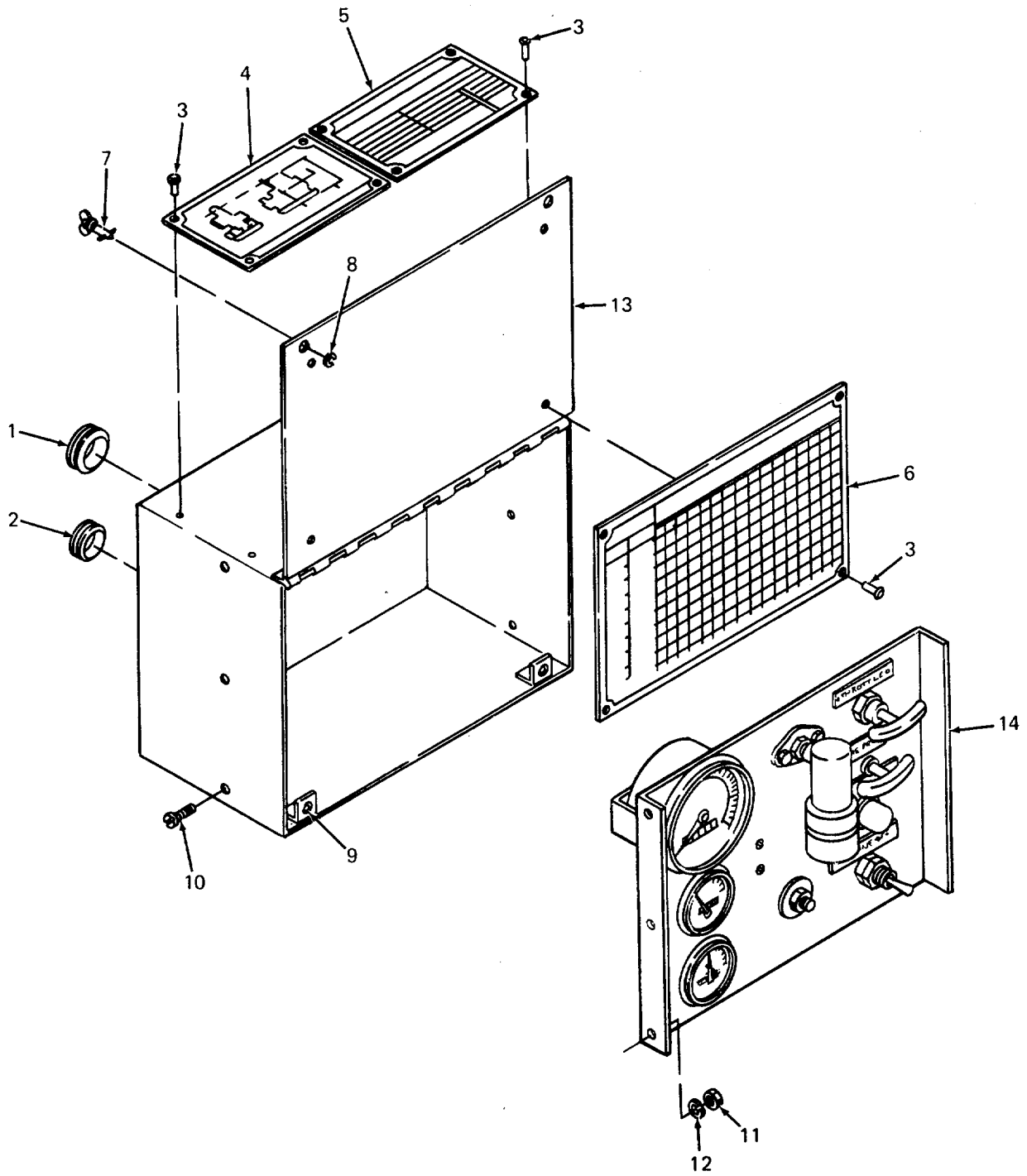


Figure 6. Control Panel Cover Assembly (Sheet 1 of 2)

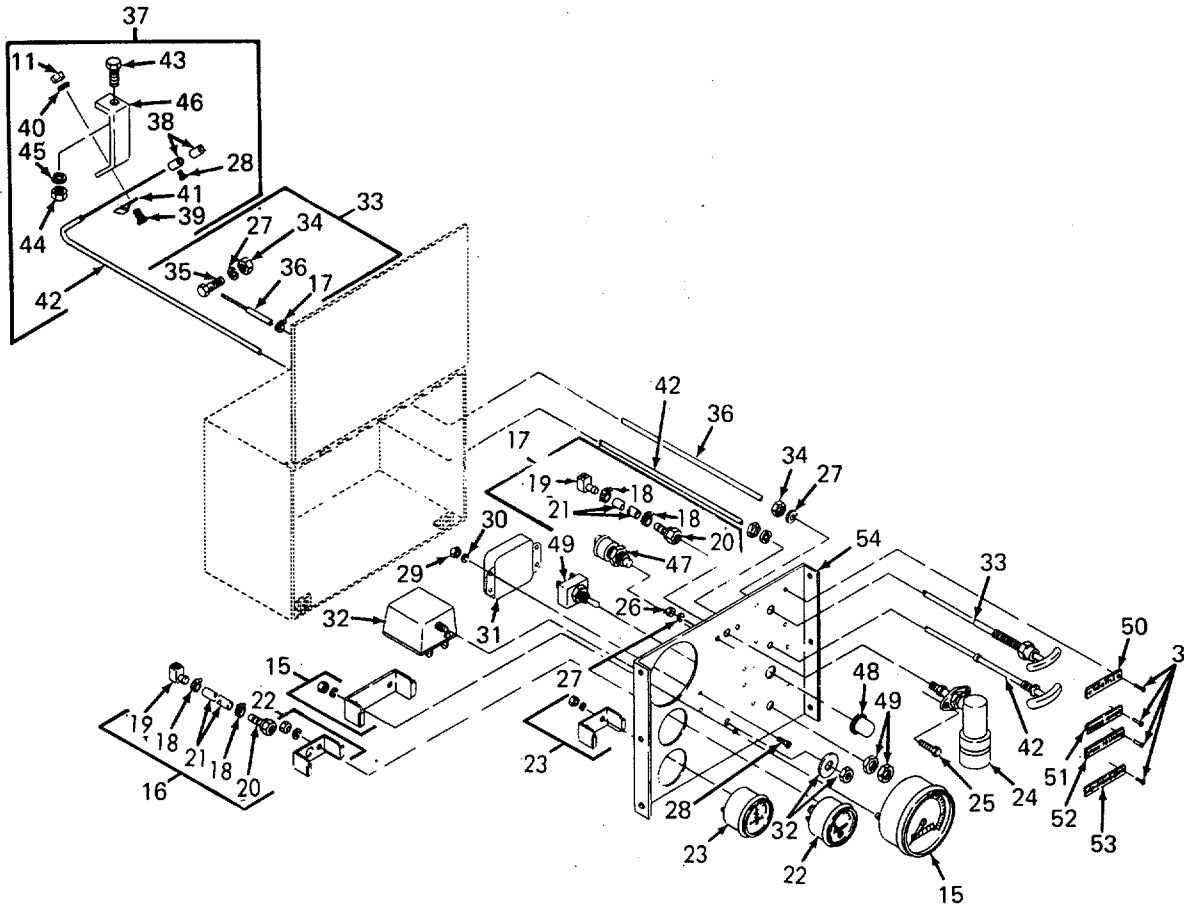


Figure 6. Control Panel Cover Assembly (Sheet 2 of 2)



(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 05 CONTROL PANEL, GAGES, CONTROLS, INDICATORS					
FIG. 6 CONTROL PANEL COVER ASSEMBLY					
1	XDOZZ	96906	MS35489-23	GROMMET, NONMETALLIC .....	2
2	XDOZZ	96906	MS35489-17	GROMMET, NONMETALLIC .....	3
3	XDOZZ	05748	74345	RIVET, POP TYPE .....	12
4	XDOZZ	05748	77136	PLATE, INSTRUCTION, LOADING .....	1
5	XDOZZ	05748	51454	PLATE, IDENTIFICATIO IDENTIFICATION .....	1
6	XDOZZ	05748	77131	PLATE, INFORMATION PERFORMANCE DATA.....	1
7	PAOZZ	94222	82-12-180-17	STUD, TURNLOCK FASTE FASTENER .....	2
8	PAOZZ	94222	82-32-201-20	PUSH ON NUT .....	2
9	XDOZZ	53622	82-47-104-15	RECEPTACLE.....	2
10	PAOZZ	96906	MS35207-263	SCREW, MACHINE 10-32 X 1/2.....	6
11	PAOZZ	96906	MS35650-302	NUT, PLAIN, HEXAGON NO. 10-.070 X.....	6
				.056 .....	
12	PAOZZ	96906	MS35338-43	WASHER, LOCK NO. 10 .....	6
13	XDOZZ	05748	77034SA	COVER, CONTROL PANEL .....	1
14	XDOOO	05748	773545A	PANEL ASSEMBLY, CONTROL .....	1
15	PBOZZ	05748	77359	TACHOMETER .....	1
16	AOOOZ	05748	77141SA	HOSE LINE ASSEMBLY, OIL PRESSURE .....	1
				35 IN.LONG.....	
17	PAOZZ	81646 6202		CLAMP, HOSE .....	2
18	PAOZZ	05748	74122	ELBOW, PIPE TO HOSE BRASS, 1/8 IN.....	1
				NPT X 1/8 HOSE BARB .....	
19	PAOZZ	62727	140-42	FITTING, BARBED BRASS THREAD 1/8.....	1
				IN.HOSE:I.D.1/4 IN .....	
20	MOOZZ	79470	H101	HOSE CUT TO LENGTH FROM BULK PN .....	35
				H10104, USE ON P/N 77141SA .....	
20	MOOZZ	79470	H101	HOSE CUT TO LENGTH FROM BULK P/.....	35
				N H10104, USE ON P/N 77140SA.....	
21	PBOZZ	03479	20P-FS-1000	GAGE, PRESSURE, DIAL PRESSURE .....	1
22	PBOZZ	03479	60-0-60	AMMETER .....	1
23	AOOZZ	05748	771405SA	HOSE ASSEMBLY, AIR CLEANER.....	1
				RESTRICTION INDICATOR 58 IN.LONG.....	
24	PBOZZ	96906	MS53063-1	SERVICE INDICATOR K RESTRICTION .....	1
25	PAOZZ	96906	MS90728-7	SCREW, CAP, HEXAGON H 1/4-20 X 7/8.....	2
				IN .....	
26	PAOZZ	05748	02760	NUT, PLAIN, HEXAGON STEEL CAD.....	2
				PLATE 1/4-20.....	
27	PAOZZ	96906	MS35338-44	WASHER, LOCK 1/4 ID .....	2
28	PAOZZ	96906	MS51958-43	SCREW, MACHINE 8-32 X 3/8 IN LG .....	4
29	PAOZZ	05748	21275	NUT HEX 8-32 S.S.....	4
30	PAOZZ	96906	MS35338-42	WASHER, LOCK NO. 8 .....	4
31	PBOZZ	05748	77358	SWITCH, ELECTRONIC, S SPEED .....	1
32	PBOZZ	03479	518-A-PH12VDC	CONTROL, FAULT SENSITIVE .....	1
33	AOOZZ	05748	77142SA	CABLE ASSEMBLY, THROTTLE .....	1
34	PAOZZ	96906	MS35691-1	NUT, PLAIN, HEXAGON 1/4-20UNC-2B .....	1
35	PAOZZ	05748	74119	BOLT, CABLE ANCHOR .....	1
36	XDOZZ	05748	74131	CABLE, THROTTLE 45-1/2 IN.LG .....	1
37	AOOZZ	05748	77143SA	CABLE ASSEMBLY, PRIMING ENGINE .....	1

## SECTION II

TM 5-4320-302-24P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
38	XDOZZ	05748	74120	ANCHOR, CABLE .....	2
39	PAOZZ	96906	MS35206-246	SCREW, MACHINE 8-32 X 5/8 IN LG .....	1
40	PAOZZ	96906	MS35338-43	WASHER, LOCK .....	1
41	PAOZZ	05748	74128	BRACKET, ANGLE .....	1
42	XDOZZ	05748	74132	CABLE, PRIMER ENGINE 50-3/4 IN LG .....	1
43	PAOZZ	96906	MS90728-34	BOLT, MACHINE 5/16-18 X 1 IN LG .....	1
44	PAOZZ	96906	MS51967-5	NUT, PLAIN, HEXAGON .....	1
45	PAOZZ	96906	MS35338-45	WASHER, LOCK.....	1
46	XDOZZ	05748	74124	BRACKET, MOUNTING PRIMER CABLE .....	1
47	PBOZZ	96906	MS35058-22	SWITCH, TOGGLE .....	1
48	PAOZZ	81349	M5423101-01	BOOT, DUST AND MOISTURE RESISTANT.....	1
49	PBOZZ	96906	MS35058-22	SWITCH, TOGGLE .....	1
50	XDOZZ	05748	77132	PLATE, INFORMATION THROTTLE .....	1
51	XDOZZ	05748	77133	PLATE, INFORMATION PRIME ENGINE.....	1
52	XDOZZ	05748	77134	PLATE, INFORMATION PUSH TO START .....	1
53	XDOZZ	05748	77135	PLATE, INFORMATION ON-ENGINE-OFF .....	1
54	XDOZZ	05748	77058	PANEL, CONTROL .....	1

END OF FIGURE

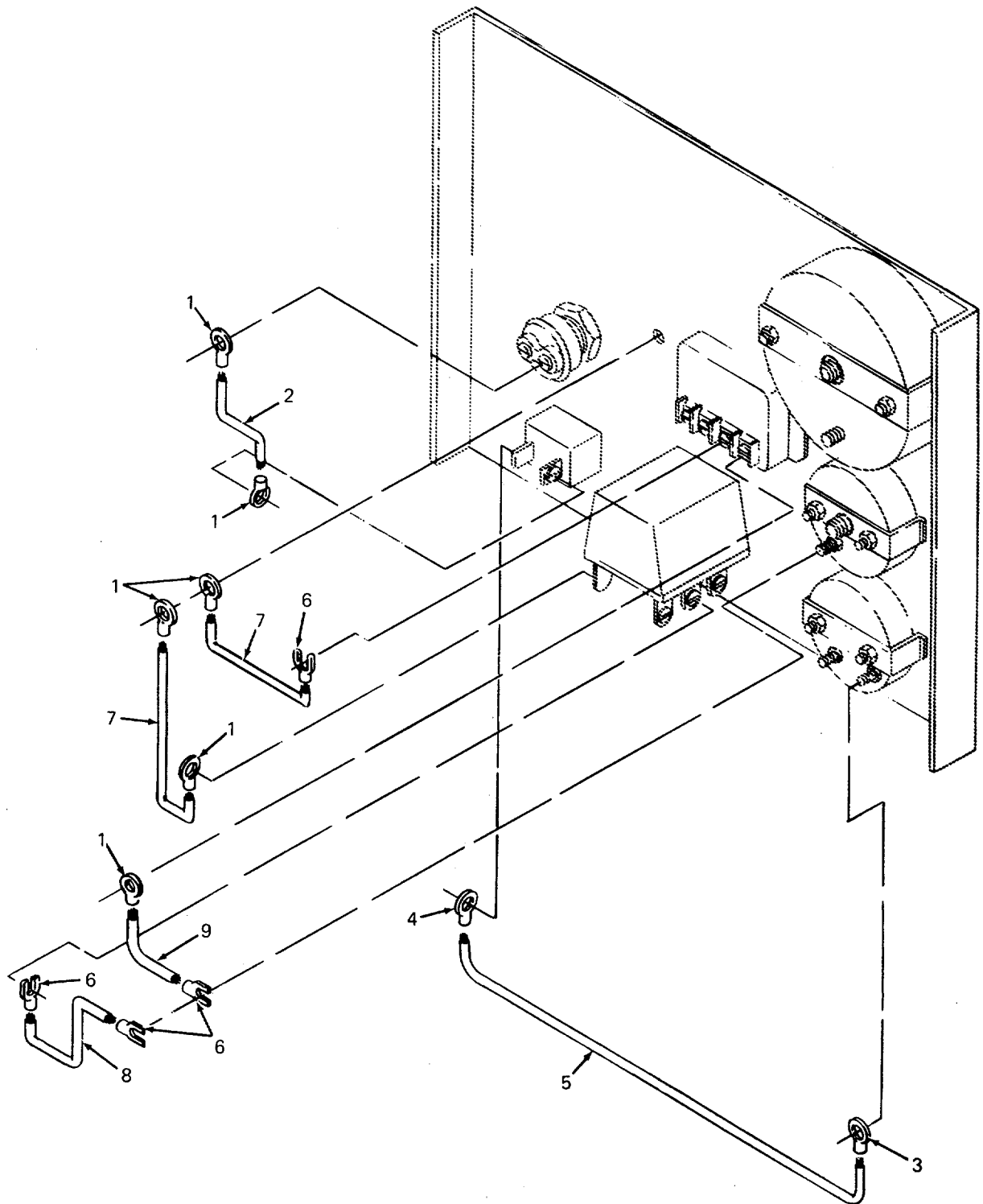


Figure 7. Wiring Harness (Control Panel)

SECTION II

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 06 WIRING HARNESS (CONTROL PANEL)

FIG. 7 WIRING HARNESS (CONTROL PANEL)

1	XDOZZ	96906	MS25036-153	TERMINAL, LUG .....	5
2	XDOZZ	05748	74177	WIRE, RED 14 AWG 1/4 FT LG .....	V
3	XDOZZ	96906	MS25036-108	TERMINAL, LUG .....	1
4	XDOZZ	96906	MS25036-106	TERMINAL, LUG .....	1
5	XDOZZ	05748	74178	WIRE, ORANGE 14 AWG 0.92 FT LG .....	V
6	XDOZZ	05748	76892	TERMINAL, SPADE .....	1
7	XDOZZ	05748	74180	WIRE, GREEN 14 AWG 1/2 FT LG .....	V
8	XDOZZ	05748	74176	WIRE, BROWN 14 AWG 0.33 FT LG .....	V
9	XDOZZ	05748	74181	WIRE, BLUE 14 AWG 0.67 FT LG .....	V

END OF FIGURE

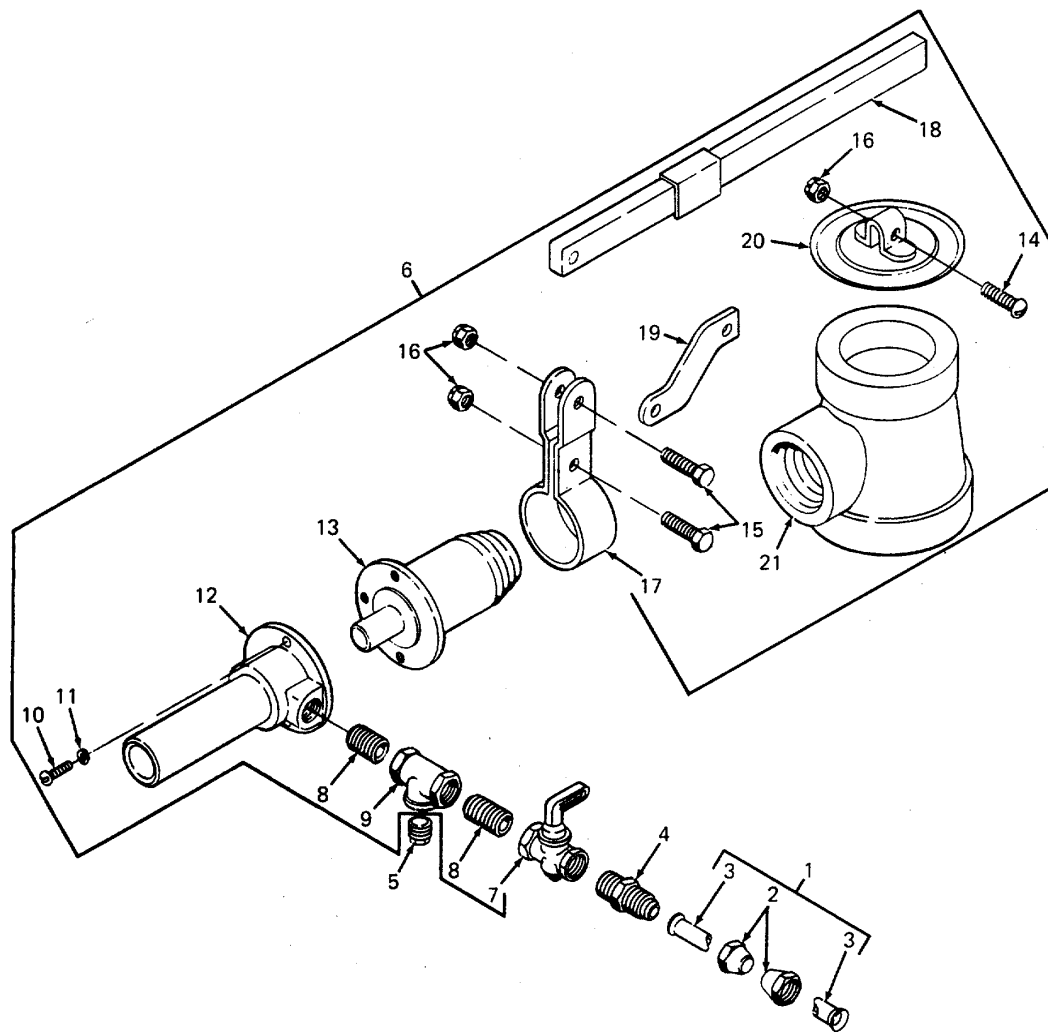


Figure 8. Exhaust Primer Assembly

SECTION II

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 07 EXHAUST PRIMER ASSEMBLY

FIG. 8 EXHAUST PRIMER ASSEMBLY

1	AOZZ	05748	77042SA	TUBE ASSEMBLY.....	1
2	PAZZ	79470	1110X6	NUT, TUBE COUPLING .....	2
3	MOZZ	05748	77059	LINE, PRIMING 0.375 IN OD X 30.25.....	1
				IN LG.....	
4	PAZZ	79470	48X6B	ADAPTER, STRAIGHT, PI 3/8 TUBE TO 3/.....	1
				8 NPT .....	
5	PAZZ	96906	MS20913-2S	PLUG, PIPE 1/4 IN NPT .....	1
6	PBOO	61407	150	PRIMER, EXHAUST .....	1
7	PAZZ	61407	A-334	VALVE, COCK.....	1
8	PAZZ	61407	150-16	NIPPLE, CLOSE 3/8 NPT.....	2
9	PAZZ	61407	150-17	TEE, PRIMING 3/8 X 3/8 X 1/4 IN NPT.....	1
10	XDOZ	61407	150-2	SCREW, MACHINE 10-24 X 1/2 IN .....	3
11	XDOZ	61407	150-3	WASHER, LOCK NO. 10.....	1
12	XAOZ	61407	A-27-150	VENTURI.....	1
13	XAOZ	61407	A-23-150	NOZZLE .....	1
14	XDOZ	61407	150-14	SCREW, MACHINE 1/4-20 X 1/2 IN .....	1
15	XDOZ	61407	150-12	SCREW, MACHINE 1/4-20 X 3/8 IN .....	2
16	XDOZ	61407	150-13	NUT, LOCK FLEX 1/4 IN .....	3
17	XAOZ	61407	A-22	CLAMP .....	1
18	XAOZ	61407	A-320	HANDLE.....	1
19	XAOZ	61407	A-21	VALVE, LEVER .....	1
20	XAOZ	61407	A-20	VALVE, EXHAUST .....	1
21	XAOZ	61407	150-7	ADAPTER .....	1

END OF FIGURE

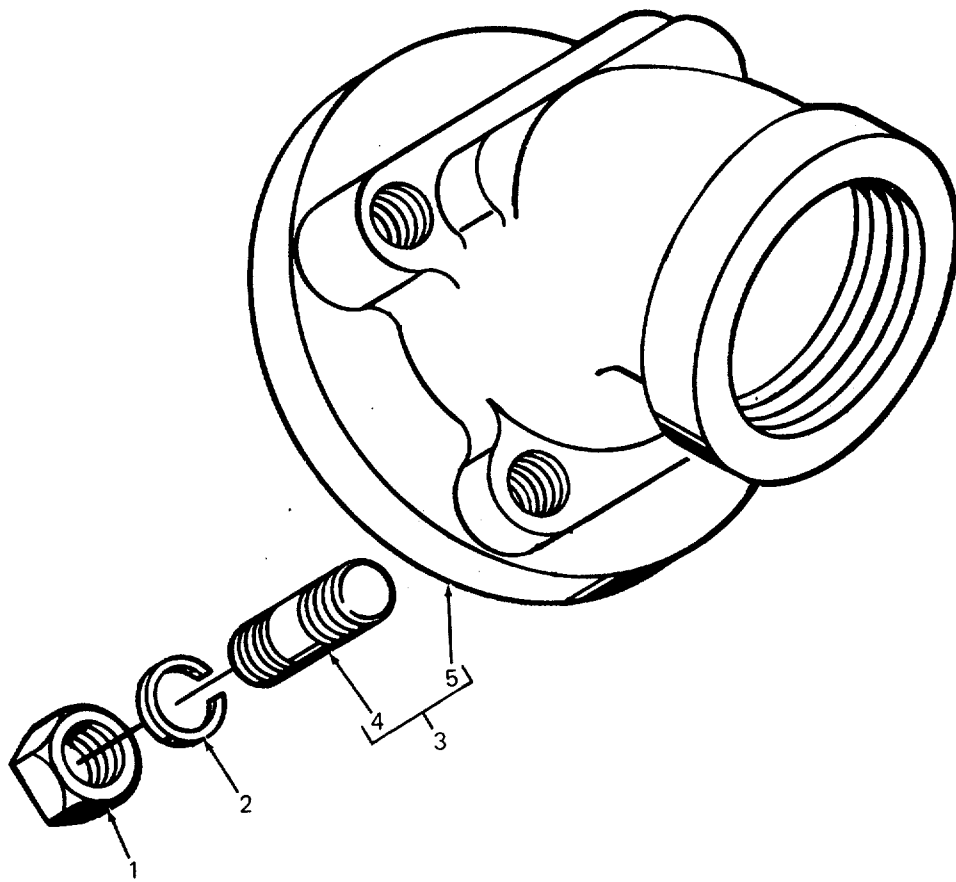


Figure 9. Check Valve Body Assembly

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

GROUP 08 CHECK VALVE BODY ASSEMBLY

FIG. 9 CHECK VALVE BODY ASSEMBLY

1	PAOZZ	96906	MS51967-20	NUT, PLAIN, HEXAGON 5/8-11 UNC-2B .....	4
2	PAOZZ	96906	MS35338-50	WASHER, LOCK 5/8 .....	4
3	XDOOO	05748	74137SA	BODY ASSEMBLY, CHECK VALVE.....	1
4	PAOZZ	05748	55643	STUD, PLAIN 5/8-11 UNC-2A X 2 1/4.....	4
				IN LG .....	
15	XDOZZ	05748	77053	BODY, CHECK VALVE.....	1

END OF FIGURE



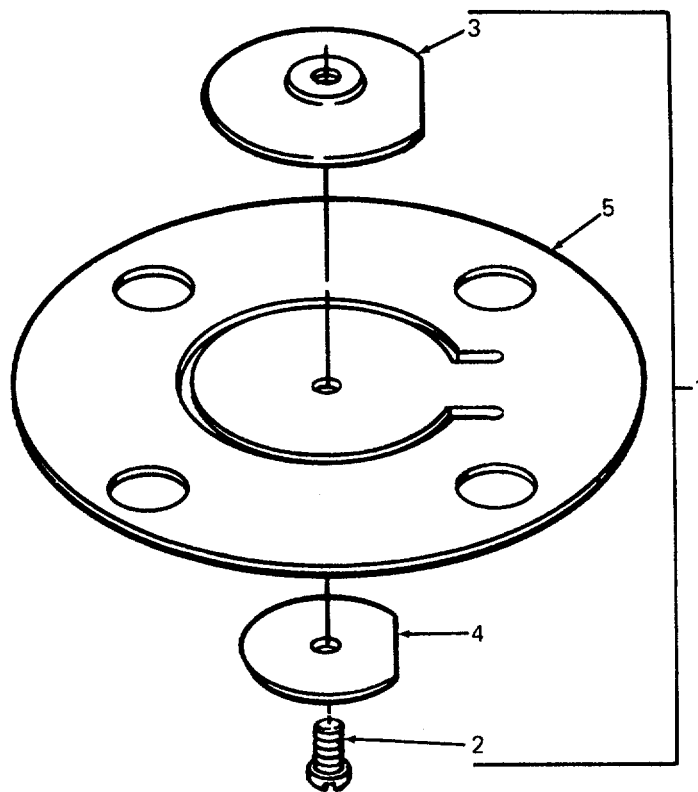


Figure 10. Check Valve Assembly

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

GROUP 09 CHECK VALVE ASSEMBLY

FIG. 10 CHECK VALVE ASSEMBLY

1	XDOOO	05748	21857SA	VALVE ASSEMBLY, CHECK .....	1
2	PAOZZ	996906	MS35206-280	SCREW, MACHINE 1/4-20 X 5/8 IN S.S.....	1
3	XDOZZ	057480	1338	WEIGHT, INNER .....	1
4	XDOZZ	057480	1339	WEIGHT, CHECK VALVE, .....	1
5	PAOZZ	057482	1577	GASKET .....	1

END OF FIGURE

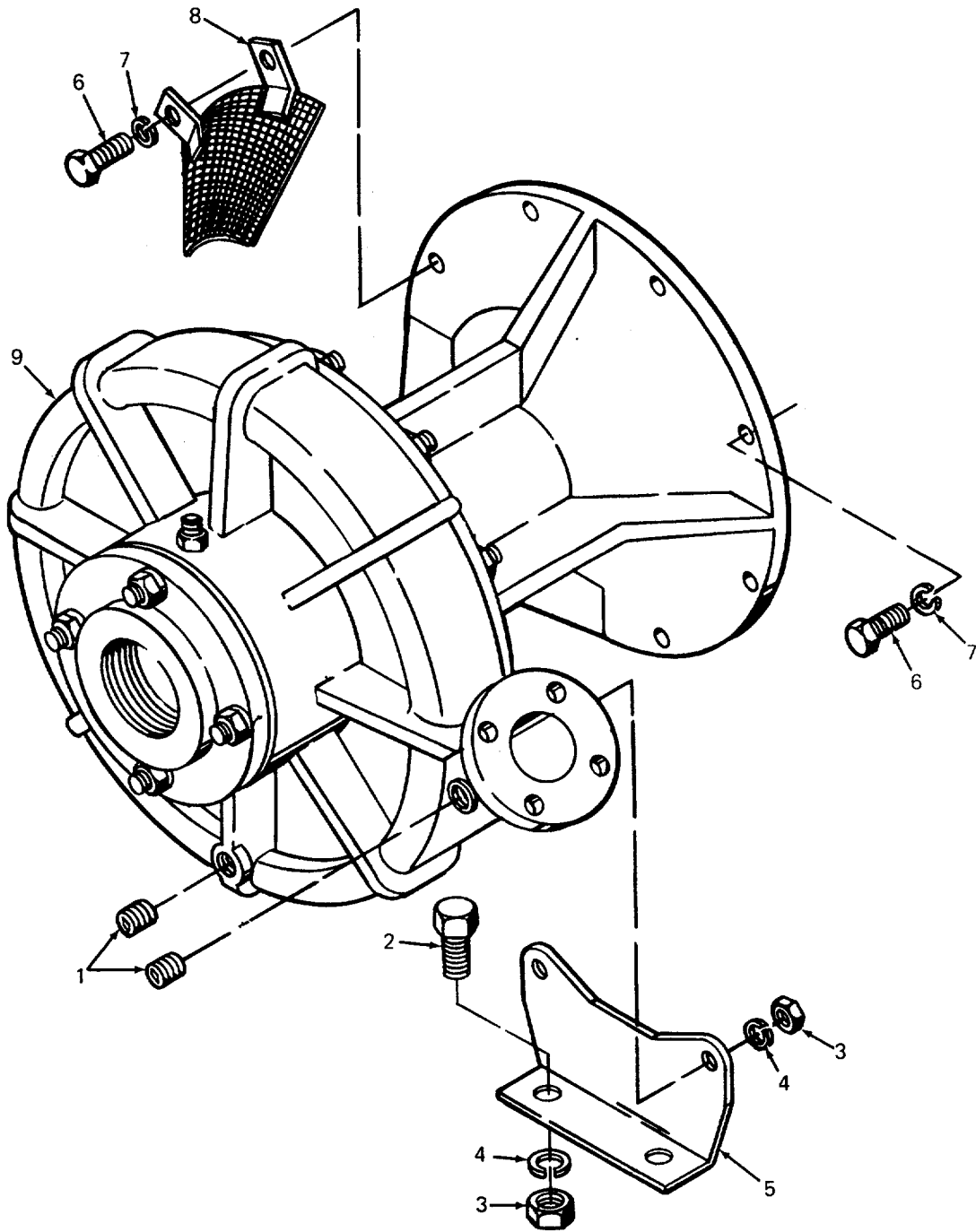


Figure 11. Pump Assembly

SECTION II

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 10 PUMP ASSEMBLY, PUMP AND BEARING ASSEMBLY

FIG. 11 PUMP ASSEMBLY

1	PAOZZ	88044	AN933-2	PLUG, PIPE 1/4 IN NPT .....	2
2	PAFZZ	96906	MS90728-60	SCREW, CAP, HEXAGON H 3/8-16 X 1/4.....	2
				IN. ....	
3	PAFZZ	96906	MS51967-8	NUT, PLAIN, HEXAGON 3/8-16 UNC-2B .....	4
4	PAFZZ	96906	MS35338-46	WASHER, LOCK.....	4
5	XDFZZ	1Z 057	148 76454	ANGLE, MOUNTING, PUMP BODY .....	1
6	PAFZZ	D8286	DIN933-M10X30-8. 8-A3L	SCREW, CAP, HEXAGON H.. 10MM X 30MM LG.	8
7	PAFZZ	05748	65458	WASHER, LOCK 10MM .....	8
8	XDFZZ	05748	77070SA	GUARD, FLYWHEEL .....	1
9	PBFFF	05748	764515SA	HOUSING, PUMP AND BE HOUSING .....	1
				ASSEMBLY .....	

END OF FIGURE

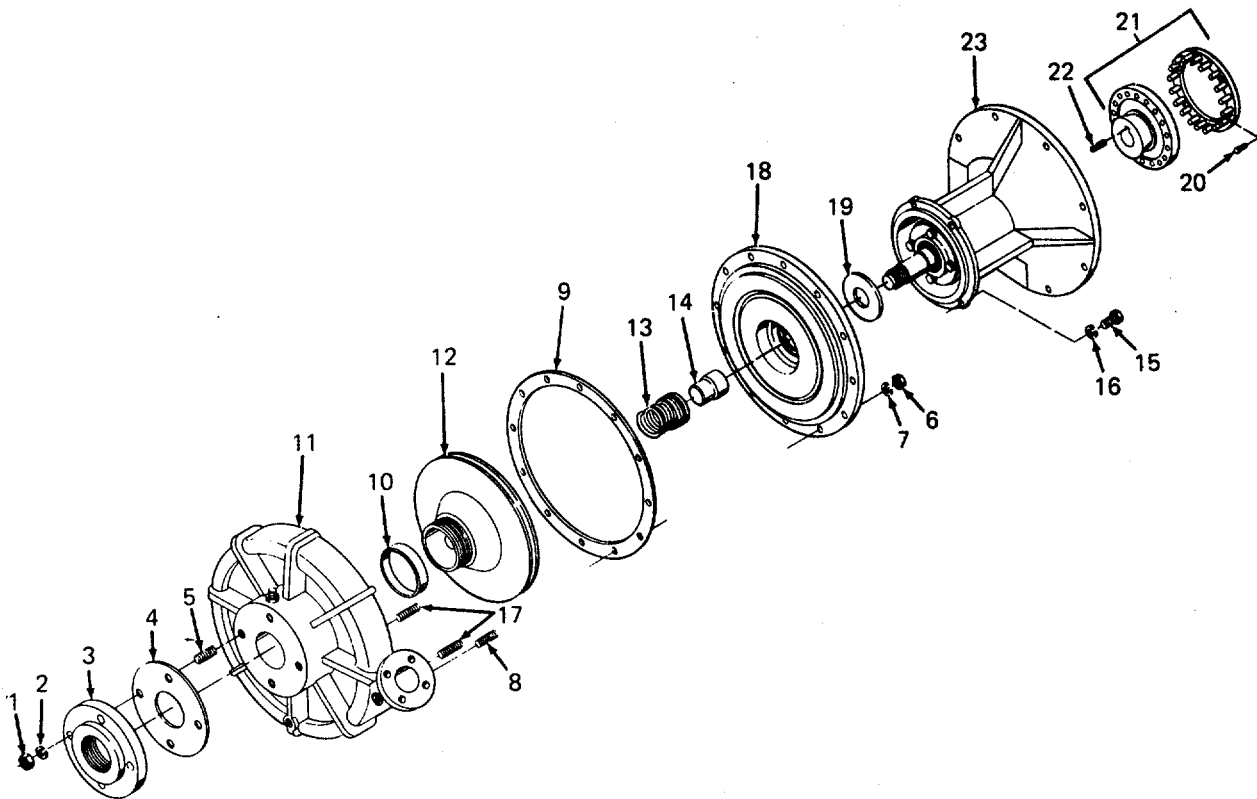


Figure 12. Pump and Bearing Assembly

SECTION II

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 10 PUMP ASSEMBLY,  
PUMP AND BEARING ASSEMBLY

FIG. 12 PUMP AND BEARING ASSEMBLY

1	PAFZZ	96906	MS51967-20	NUT, PLAIN, HEXAGON 5/8-11 UNC-2B .....	4
2	PAFZZ	96906	MS35338-50	WASHER, LOCK .....	4
3	XDFZZ	05748	35236	FLANGE, SUCTION .....	1
4	PAFZZ	05748	35242	GASKET .....	1
5	PAFZZ	05748	02453	STUD, PLAIN 5/8-11 ANG THD X 2 1/2.....	4
				IN LG .....	
6	PAFZZ	96906	MS51967-8	NUT, PLAIN, HEXAGON 3/8-16 UNC-2B .....	12
7	PAFZZ	96906	M535338-46	WASHER, LOCK.....	12
8	XDFZZ	05748	02418	STUD, PLAIN 3/8-16 X 1 3/4 IN LG .....	12
9	PAFZZ	05748	76460	GASKET BUNA-N NITRILE RUBBER .....	1
10	XDFZZ	05748	76456	RING, WEAR .....	1
11	XDFZZ	05748	76455	VOLUTE .....	1
12	XDFZZ	05748	76459	IMPELLER .....	1
13	XDFZZ	71724	TY-21	SEAL ASSEMBLY, SHAFT .....	1
14	XDFZZ	05748	76482	SLEEVE, SHAFT .....	1
15	PAFZZ	96906	M590728-87	SCREW, CAP, HEXAGON H 7/16-14 X 1 1/.....	4
				4 IN LG.....	
16	PAFZZ	96906	MS35338-47	WASHER, LOCK 7/16 ID .....	4
17	PAFZZ	05748	02416	STUD, PLAIN 3/8-16 X 1 1/4 IN LG .....	2
18	XDFZZ	05748	76453	PLATE, SEAL.....	1
19	XDFZZ	05748	29915	SLINGER, SHAFT, BUNA-N, 1 7/16 ID X .....	1
				2 /12 OD.....	
20	PAFZZ	05748	78123	SCREW, CAP, SOCKET HE ..... SOCKET HEAD,	6
				M8 X 30M M LG .....	
21	PBFZZ	75665	120	COUPLING, DISC .....	1
22	PAFZZ	05748	72268	KEY, MACHINE 1/4 X 1/4 X 1 5/8 IN, .....	1
				304 SS .....	
23	XDFFF	05748	764525A	HOUSING ASSEMBLY, BEARING .....	1

END OF FIGURE

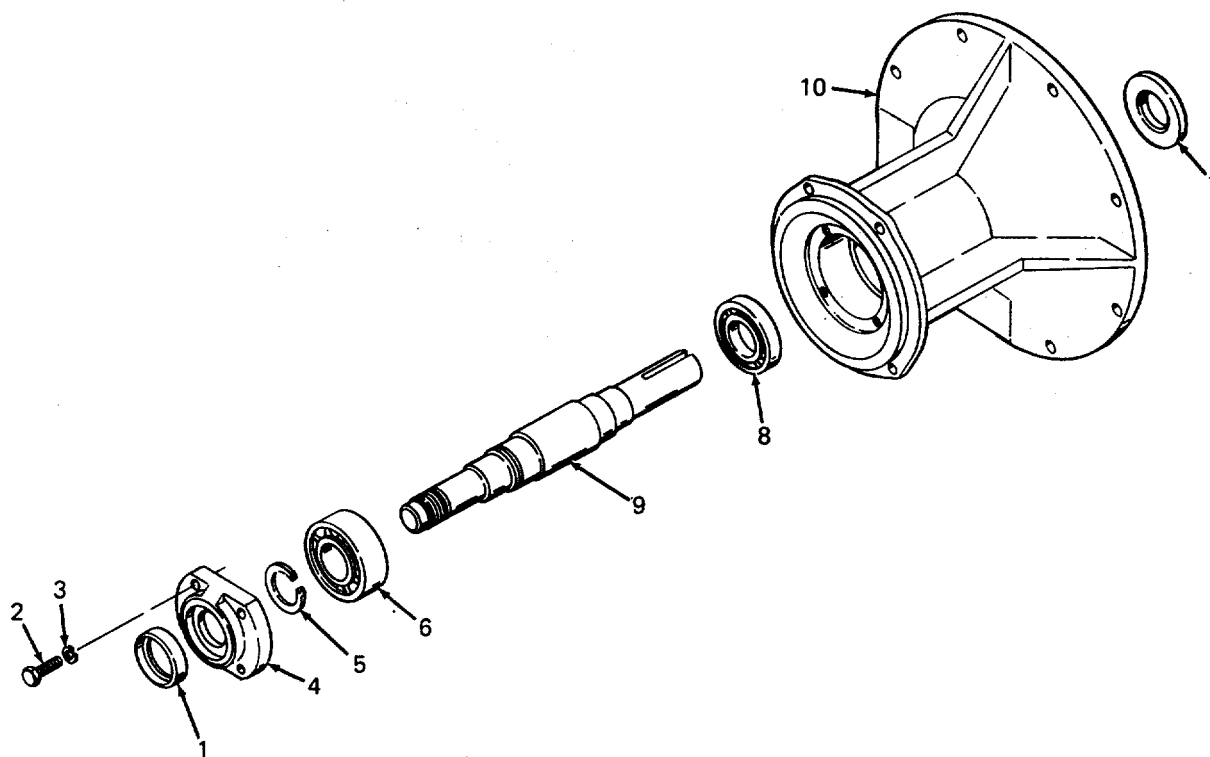


Figure 13. Bearing Housing Assembly

SECTION II

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 10 PUMP ASSEMBLY, PUMP AND BEARING ASSEMBLY

FIG. 13. BEARING HOUSING ASSEMBLY

1	PAFZZ	80201	14938	SEAL, PLAIN ENCASED .....	1
2	XDFZZ	05748	02218	SCREW, CAP, HEX HEAD 5/16 -18 X 7/8 .....	4
				IN LG .....	
3	XDFZZ	96906	MS35338-45	WASHER, LOCK .....	4
4	XDFZZ	05748	30651	CAP, BEARING .....	1
5	XDFZZ	79136	5100-156	RING, RETAINING .....	1
6	PBFZZ	43334	55508	BEARING, BALL, ANNULA.....	1
7	PBFZZ	79150	63567	SEAL, PLAIN ENCASED .....	1
8	PBFZZ	93235	207M	BEARING, BALL, ANNULA.....	1
9	XDFZZ	05748	76458	SHAFT .....	1
10	XDFZZ	05748	76457	HOUSING, BEARING .....	1

END OF FIGURE



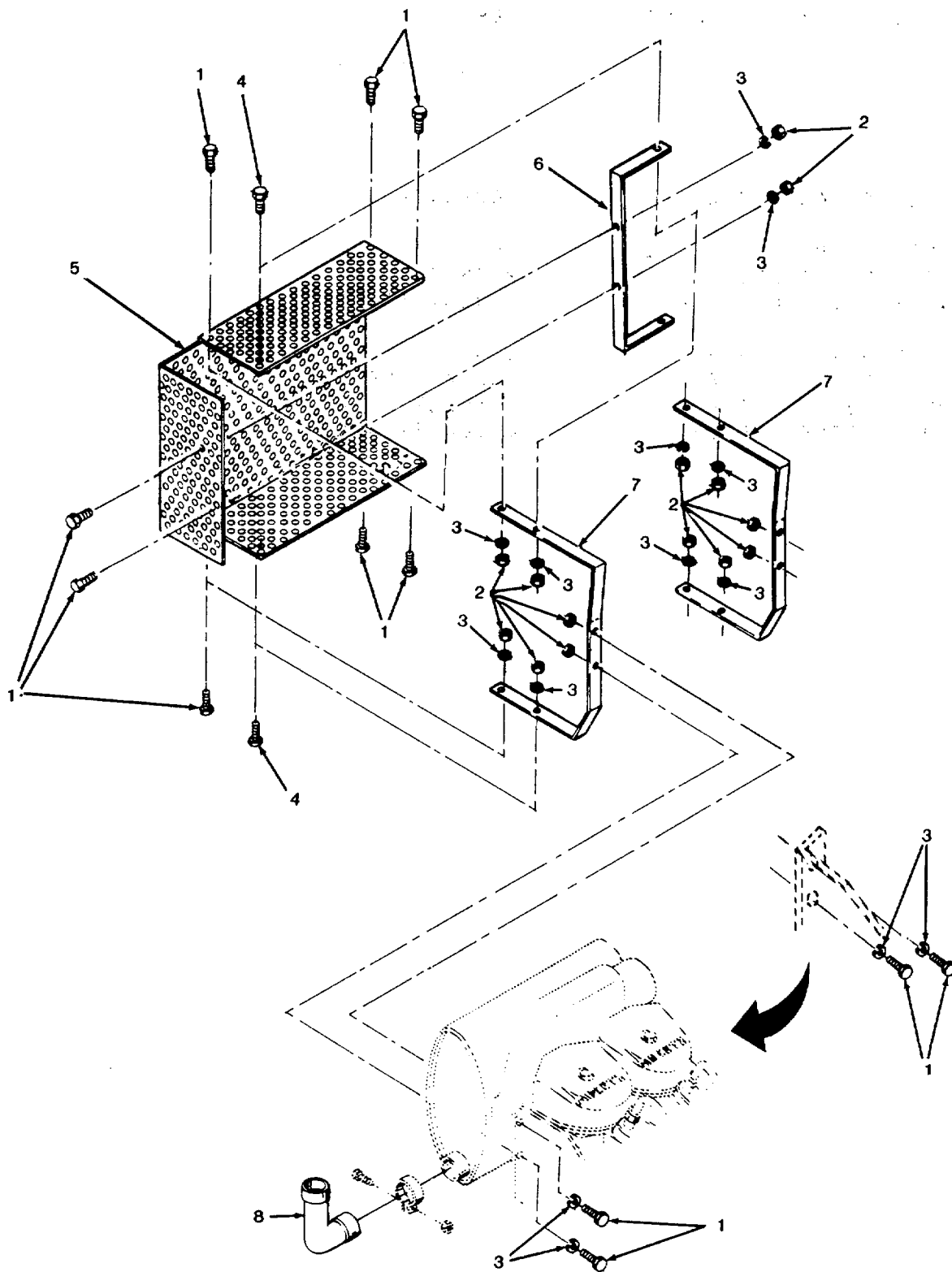


Figure 14. Exhaust Elbow and Guard

SECTION II

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

GROUP 11 EXHAUST ELBOW AND GUARD

FIG. 14 EXHAUST ELBOW AND GUARD

1	PAOZZ	05748	02200	SCREW, CAP, HEXAGON H 1/4-20 X 1/2.....	12
				IN LG .....	
2	PAOZZ	96906	MS51967-2	NUT, PLAIN, HEXAGON 1/4-20 UNC-2B .....	14
3	PAOZZ	96906	MS35338-44	WASHER, LOCK 1/4 IN .....	14
4	PAOZZ	96906	MS90728-5	SCREW, CAP, HEXAGON H 1/4-20 X 5/8.....	2
				IN LG.....	
5	XDOOO	05748	76986	GUARD, MUFFLER .....	1
6	XDOZZ	05748	74116	BRACKET, MOUNTING, MUFFLER .....	1
7	XDOZZ	05748	76988	BRACKET, MOUNTING, MUFFLER GUARD .....	2
8	XDOZZ	05748	77036SA	ELBOW, EXHAUST .....	1

END OF FIGURE

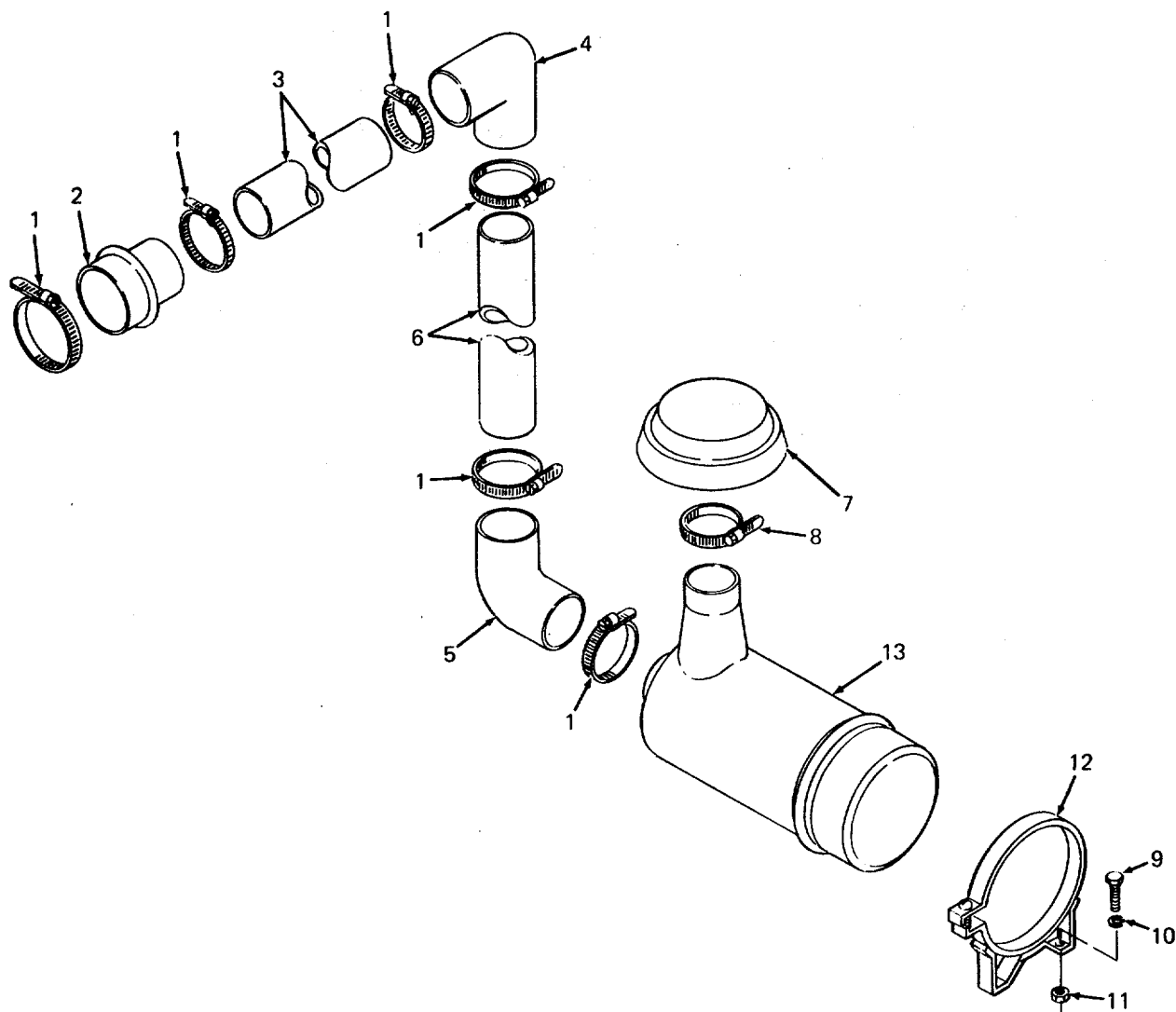


Figure 15. Air Inlet System

SECTION II

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 12 AIR INLET SYSTEM, TUBES,  
HOSE AND ADAPTERS

FIG. 15 INLET SYSTEM

1	PAOZZ	29510	122323R91	CLAMP, HOSE 1.87 IN MIN X 3.75 IN.....	6
				MAX .....	
2	XDOZZ	05748	77380	ADAPTER, RUBBER, 3.0 IN ID, 3.5 IN.....	1
				OD NOMINAL X 2 IN LG .....	
3	XDOZZ	05748	77378	TUBE, AIR INLET .....	1
4	XDOZZ	18265	P10-5532	HOSE, PREFORMED 90 DEGREE 3 IN ID .....	1
5	XDOZZ	05748	74140	ELBOW .....	1
6	XDOZZ	05748	77045	TUBE, AIR INLET .....	1
7	XDOZZ	18265	GAH00-1379	CAP, RAIN .....	1
8	XDOZZ	18265	P11-8995	CLAMP .....	
9	PAOZZ	96906	MS90728-58	SCREW, CAP, HEXAGON H 3/8-16 X 3/4.....	4
				IN LG .....	
10	PAOZZ	96906	MS35338-46	WASHER, LOCK .....	4
11	PAOZZ	96906	MS51967-8	NUT, PLAIN, HEXAGON 3/8-16 UNC-2B .....	4
12	XDOZZ	18265	P00-7191	CLAMP, LOOP .....	1
13	XDOOO	18265	1FHG06-5104	CLEANER, AIR .....	1

END OF FIGURE

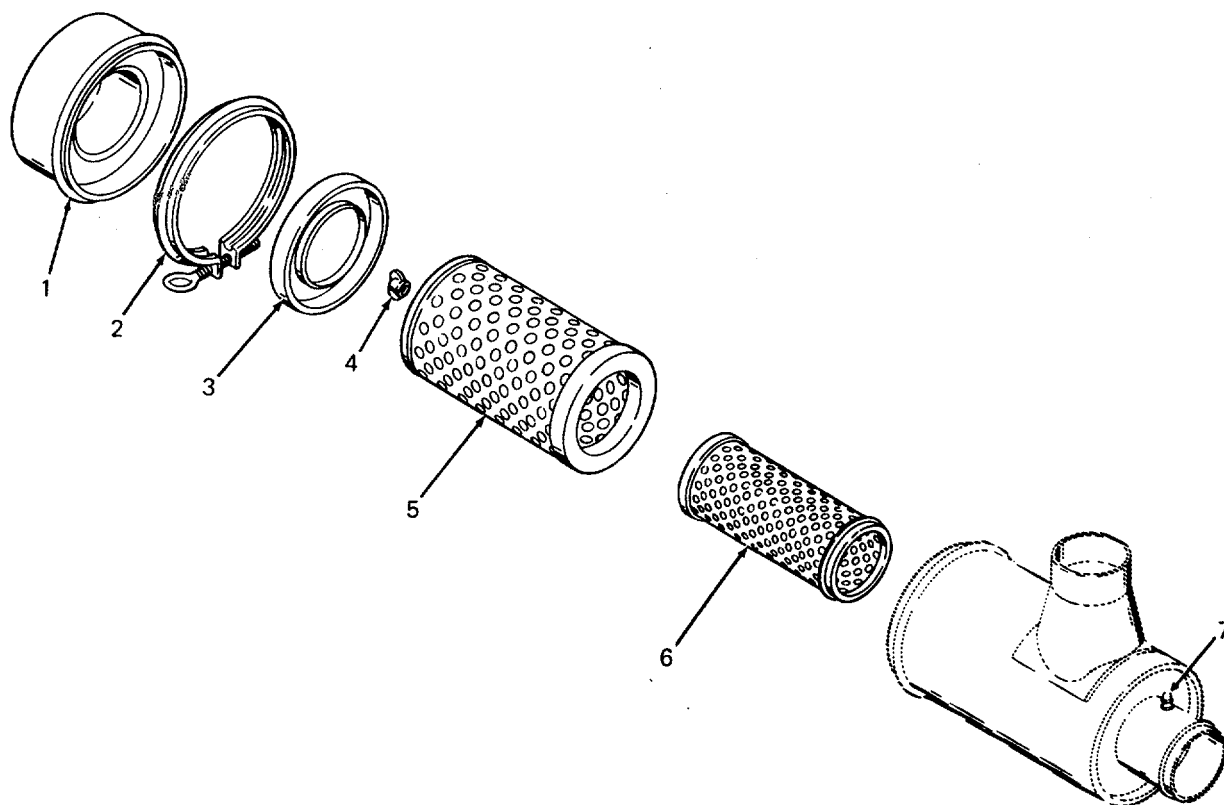


Figure 16. Air Cleaner

SECTION II

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

GROUP 12 AIR INLET SYSTEM, TUBES, HOSE AND ADAPTERS

FIG. 16 AIR CLEANER

1	XDOZZ	18265	P10-2805	CUP ASSEMBLY.....	1
2	XDOZZ	18265	P00-2940	CLAMP, LOOP .....	1
3	XDOZZ	18265	P10-2510	BAFFLE ASSEMBLY.....	1
4	PAOZZ	18265	P10-1870	NUT, PLAIN, WING.....	1
5	PAOZZ	18265	XLP18-2062	FILTER ELEMENT, INTA OUTER.....	1
6	PAOZZ	18265	P11-9539	FILTER ELEMENT, INTA INNER.....	1
7	XDOZZ	18265	P100-0091	CAP, PIPE.....	1

END OF FIGURE

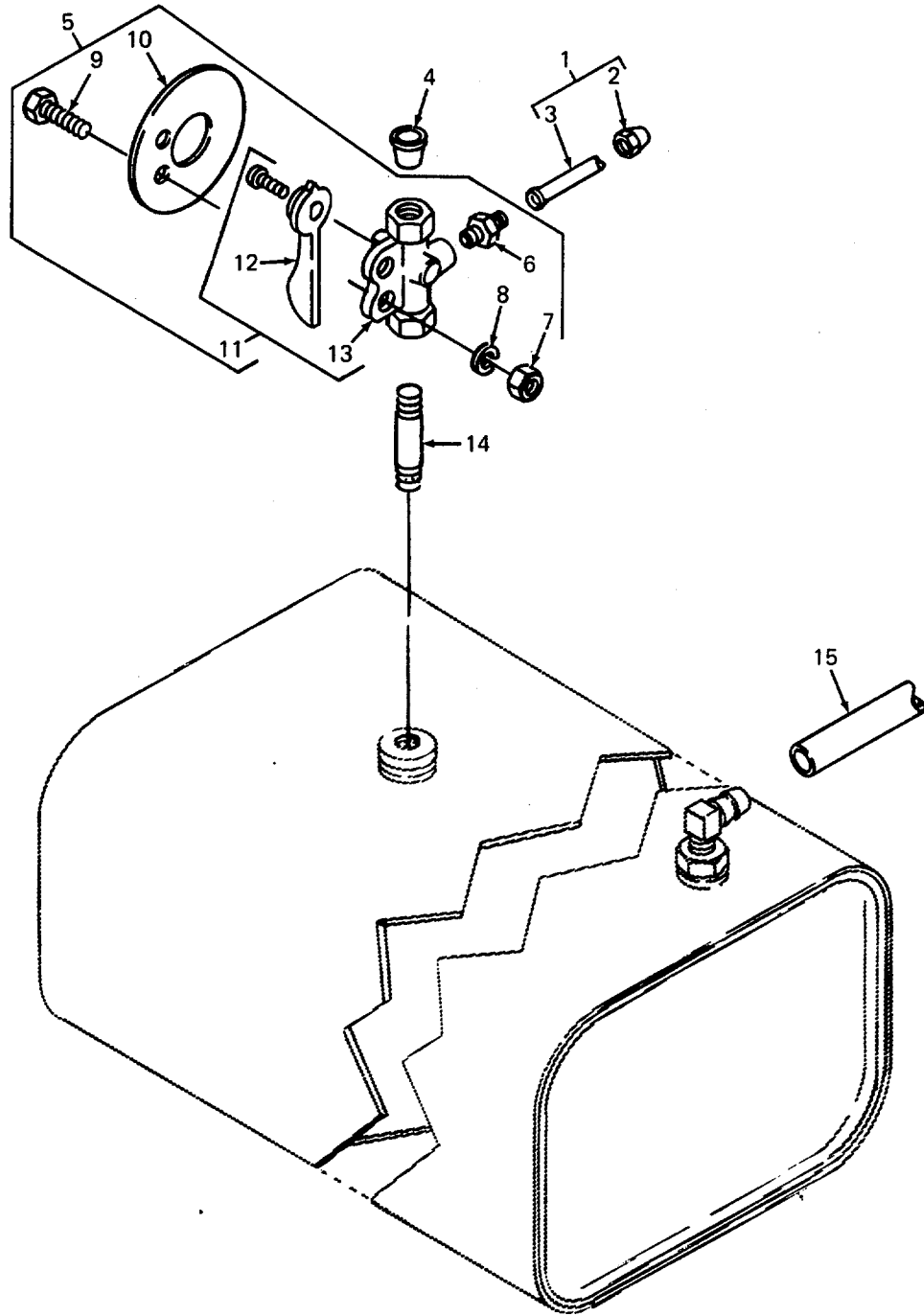


Figure 17. Fuel System

SECTION II

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 13 FUEL SYSTEM, FUEL LINES AND FITTINGS					
FIG. 17 FUEL SYSTEM					
1	AOOZZ	05748	77061SA	FUEL LINE ASSEMBLY .....	1
2	XDOZZ	92679	122090H1	NUT, TUBE COUPLING 45 DEGREE FLARE .... FOR 5/16 O. .D. TUBE .....	2
3	MOOZZ	05748	77116	LINE, FUEL 5/16 OD X 22 1/4 IN LG .....	1
4	PAOZZ	81349	M5501/7-F8	CAP-PLUG, PROTECTIVE.....	1
5	AOOOO	05748	77041SA	VALVE ASSEMBLY,..... SELECTOR 3 WAY	
6	XDOZZ	81343	5-4 01012B	ADAPTER, STRAIGHT, PI .....	1
7	PAOZZ	05748	02760	NUT, PLAIN, HEXAGON 1/4-20 .....	2
8	PAOZZ	05748	14943	WASHER, LOCK 1/4 IN .....	2
9	PAOZZ	96906	MS90725-6	SCREW, CAP, HEXAGON H.....	2
10	XDOZZ	05748	77123	PLATE, FUEL LINE .....	1
11	XDOZZ	93061	V406P-4	VALVE, LINEAR, DIRECT .....	1
12	XAOZZ	79470	6746	HANDLE .....	1
13	XAOZZ	79470	6749	COCK, PLUG .....	1
14	PAOZZ	79470	3327X4	NIPPLE, PIPE 1/4 X 1 1/2 NPT, BRASS.....	1
15	MOOZZ	05748	77038	LINE, VENT FUEL.....	1

END OF FIGURE



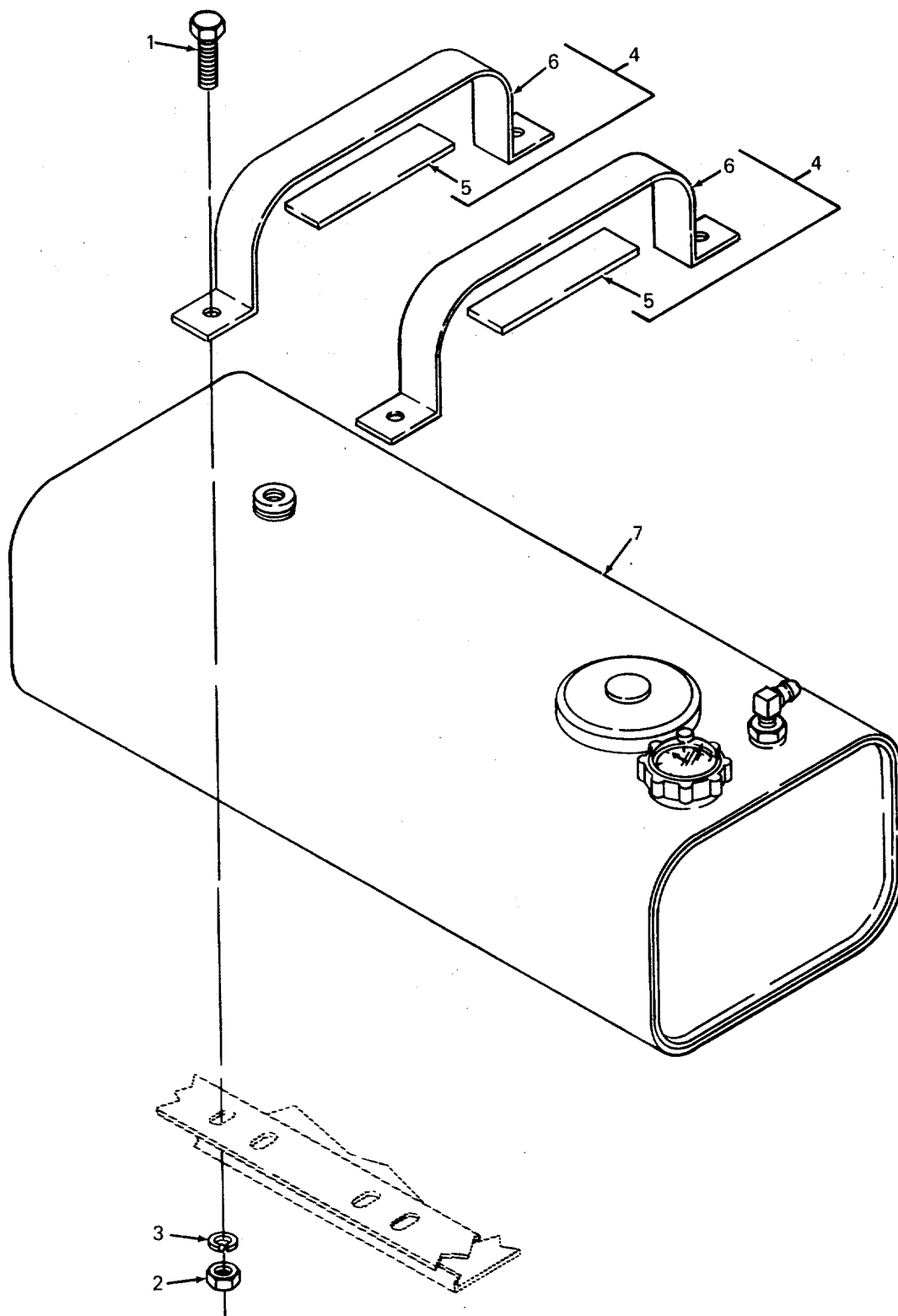


Figure 18. Fuel Tank

SECTION II

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 13 FUEL SYSTEM, FUEL LINES AND FITTINGS					
FIG. 18 FUEL TANK					
1	PAOZZ	96906	MS90728-60	SCREW, CAP, HEXAGON H 3/8-16 X 1 IN .....	4
2	PAOZZ	96906	MS51967-8	LGG .....	4
3	PAOZZ	96906	MS35338-46	NUT, PLAIN, HEXAGON 3/8-16 UNC-2B .....	4
4	XDOZZ	05748	77040SA	WASHER, LOCK.....	4
5	XDOZZ	05748	77008	STRAP ASSEMBLY, FUEL TANK.....	2
6	XAOZZ	05748	76987	RUBBER, SPONGE .....	2
7	XDOFF	05748	76462SA	STRAP, FUEL TANK .....	2
				FUEL TANK ASSEMBLY .....	1

END OF FIGURE

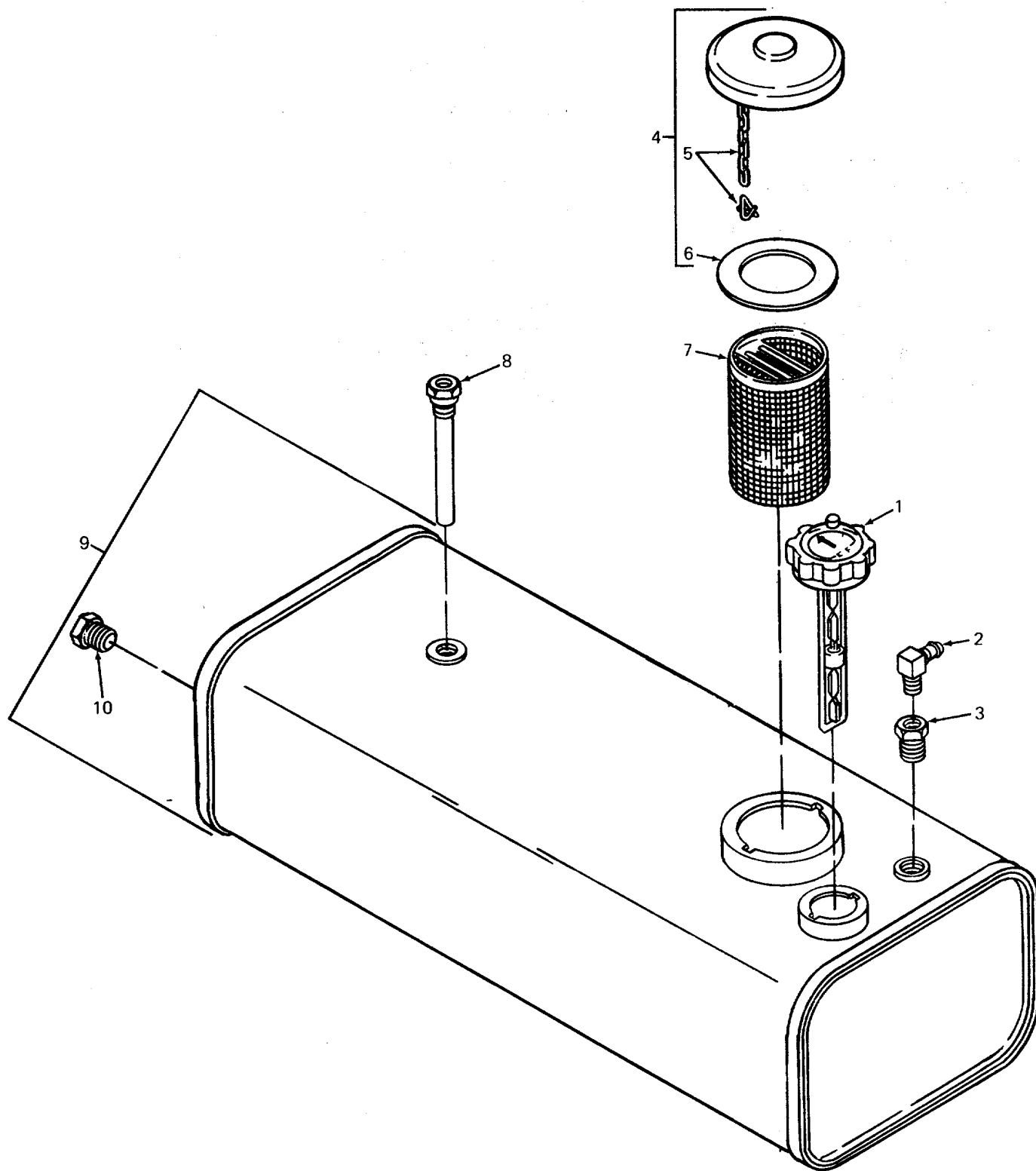


Figure 19. Fuel Tank Assembly

SECTION II

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

GROUP 13 FUEL SYSTEM, FUEL LINES AND FITTINGS

Fig. 19 FUEL TANK ASSEMBLY

1	XDOZZ	23224	50 300 ADV	INDICATOR FUEL LEVEL .....	1
2	PAOZZ	36863	229-4-2	ELBOW, PIPE TO HOSE, 1/4 OD TUBE.....	1
				TO 1/8 NPT .....	
3	PAOZZ	79470	7034X2B	BUSHING, PIPE .....	1
4	PAOZZ	96906	MS35645-2	CAP, FILLER OPENING .....	1
5	PAOZZ	96906	MS29523-1	PIN, RETAINING .....	1
6	PAOZZ	96906	MS35643-1	GASKET .....	1
7	XDOZZ	05748	77875	STRANER .....	1
8	XDOZZ	05748	76182SA	TUBE ASSEMBLY, SUCTION .....	1
9	XDOZZ	05748	76463	TANK, FUEL .....	1
10	XDOZZ	05748	220120	PLUG, HEX HD 1/4 IN NPT .....	2

END OF FIGURE

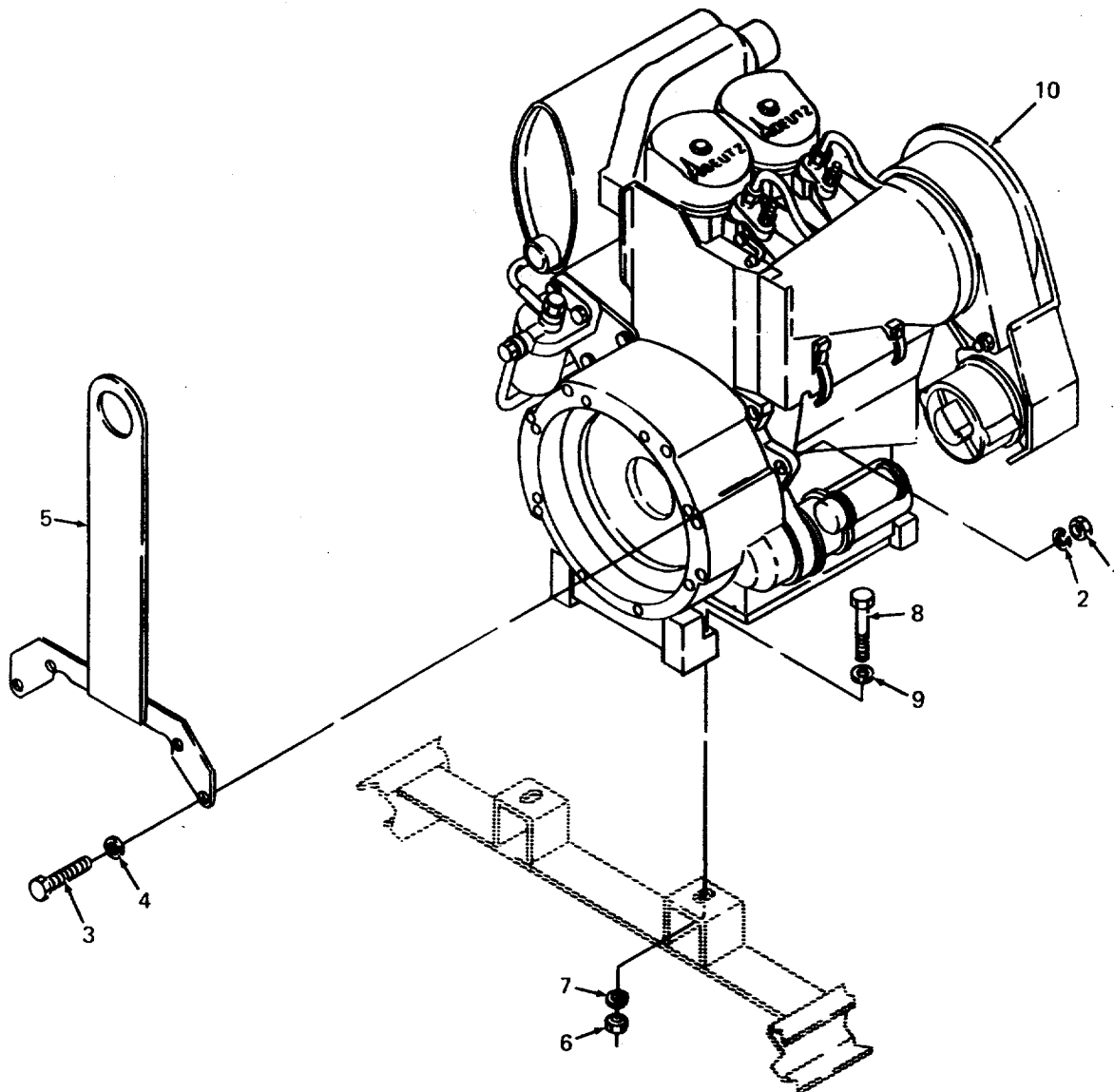


Figure 20. Engine and Lifting Bracket

SECTION II

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
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GROUP 14 LIFTING BRACKET

FIG. 20 ENGINE AND LIFTING BRACKET

1	PAOZZ	96906	MS51967-8	NUT, PLAIN, HEXAGON 3/8-16 UNC-2B .....	2
2	PAOZZ	96906	MS35338-46	WASHER, LOCK.....	2
3	PAOZZ	96906	MS90728-64	SCREW, CAP, HEXAGON H 3/8-16 X 1 1/2.....	2
				- IN. LG .....	
4	PAOZZ	96906	MS27183-13	:WASHER, FLAT 3/8 ID X 7/8 OD .....	2
5	XDOZZ	05748	77475SA	BRACKET, LIFTING.....	1
6	PAFZZ	05748	28173	NUT, PLAIN, HEXAGON 1/2-13 UNC-2B .....	4
7	PAFZZ	96906	MS27183-18	WASHER, FLAT .....	4
8	PAFZZ	96906	MS90728-116	SCREW, CAP, HEXAGON H 1/2-13 X 2 1/4.....	4
				IN .....	
9	PAFZZ	96906	MS35338-48	WASHER, LOCK 1/2 IN ID .....	4
10	PBFHH	62445	F2 L511D, D0251-0 6 9/ 00	ENGINE, DIESEL .....	1

END OF FIGURE

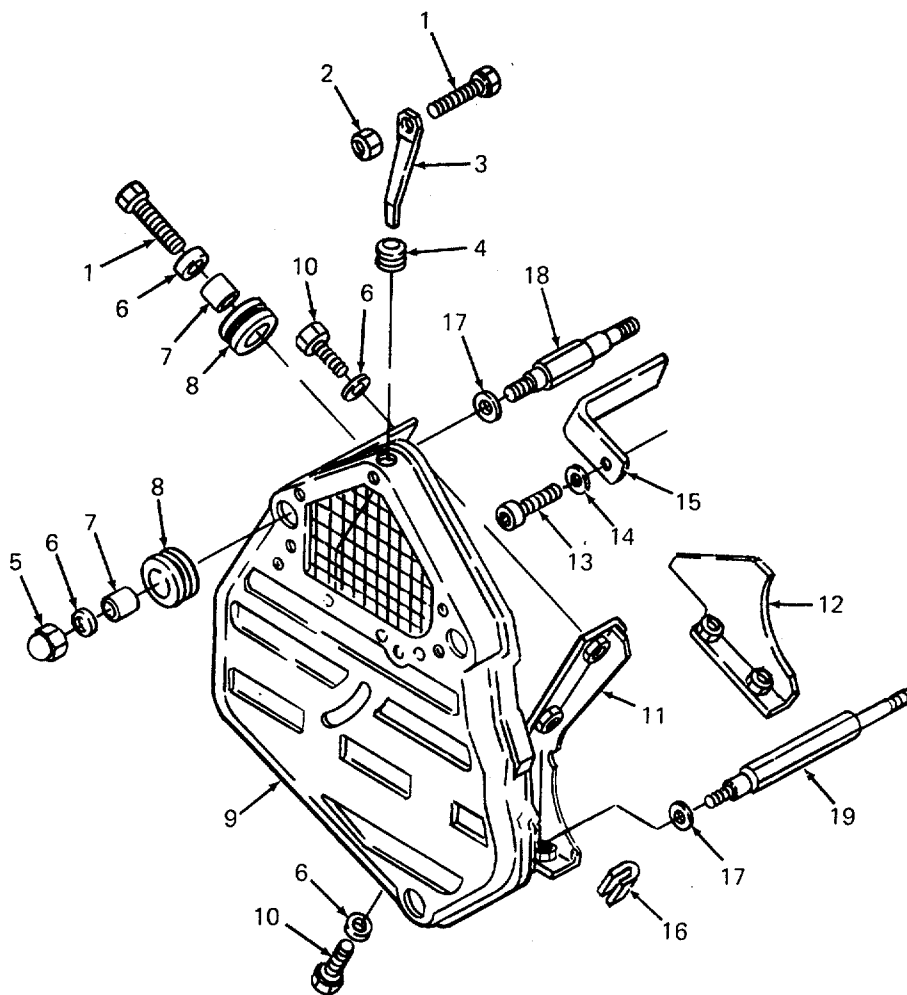


Figure 21. V-Belt Guard

## SECTION II

TM 5-4320-302-24P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 21 V-BELT GUARD	(6) QTY
1	PAOZZ	62445	111-2264	BOLT, MACHINE M6 X 20 DIN 933-8.8-A4C .....	4
2	PAOZZ	62445	1112813	NUT, PLAIN, HEXAGON M6 DIN 934-M8A4C.....	1
3	XDOZZ	62445	224 4180	RETAINER .....	1
4	PAOZZ	62445	116-0601	GROMMET, METALLIC .....	1
5	PAOZZ	62445	111-0981	NUT, PLAIN, CAP M6 DIN 917-6 GAL-VERKAD .....	4
6	PAOZZ	62445	331-2840	WASHER, FLAT 222 160 C.....	10
7	XDOZZ	62445	224 3634	PIPE .....	4
8	PAOZZ	62445	337 2829	GROMMET, NONMETALLIC.....	4
9	XDOFF	62445	224 4174	GUARD, V-BELT .....	1
10	PAOZZ	62445	110 3316	BOLT, MACHINE M6 X 16 DIN 933-8.8- A4C .....	4
11	XDOZZ	62445	223 9474	PLATE, GUARD .....	1
12	XDOZZ	62445	224 4957	COVER, ANGLED .....	1
13	PAOZZ	62445	112 3699	SCREW, CAP, SOCKET HE M8 X 30 DIN 912-8.8-A4C.....	1
14	PAOZZ	62445	110 7548	WASHER, FLAT 8.4 DIN 433-ST-A4C.....	1
15	XDOZZ	62445	224 4861	RETAINER .....	1
16	XDOZZ	62445	139 3349	SECTION, CLAMPING 40	
17	PAOZZ	62445	110 7101	WASHER, FLAT 8.4 DIN 125-A4C .....	3
18	XDOZZ	62445	224 4178	STUD .....	2
19	XDOZZ	62445	216 2541	STUD .....	1

END OF FIGURE



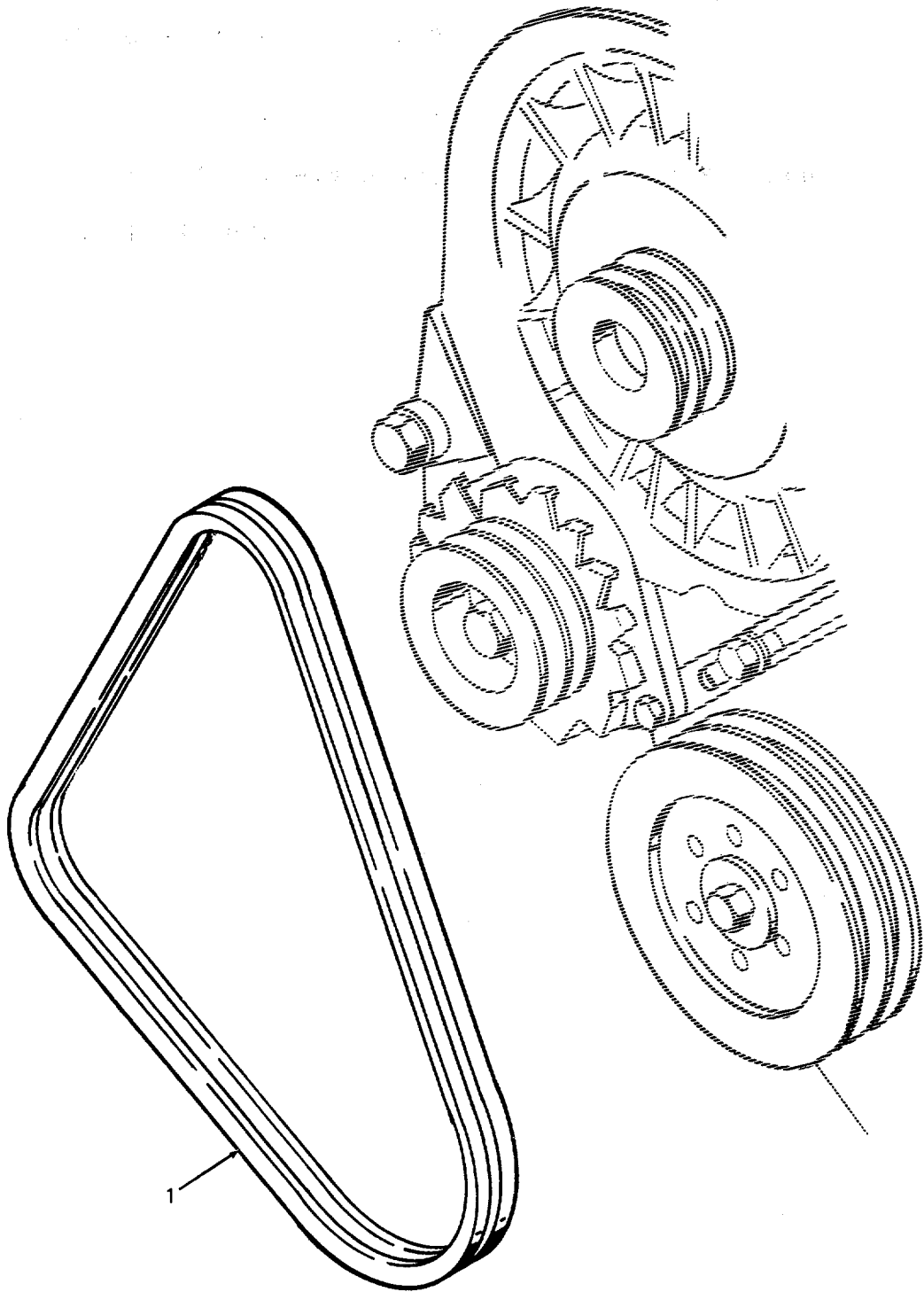


Figure 22. V-Belts

SECTION II

TM 5-4320-302-24P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 15 ENGINE ASSEMBLY	
				FIG. 22 V-BELTS	
1	PAOZZ	62445	223 5374	BELTS, V, MATCHED SET .....	1
				END OF FIGURE	

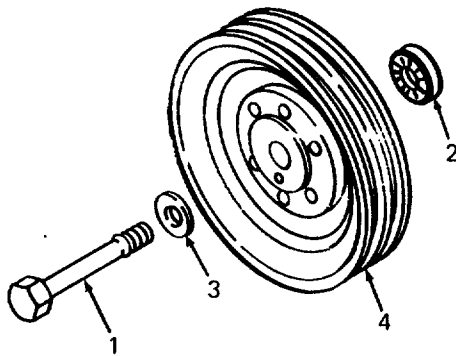


Figure 23. Alternator V-Belt Pulley

SECTION II

TM 5-4320-302-24P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 23 ALTERNATOR V-BELT PULLEY	(6) QTY
1	PAOZZ	62445	117 3444	BOLT, EXTERNALLY REL M14 X 1, 5 X ..... 90 H 803-109	1
2	PAOZZ	62445	213 3358	DISC, FRICTION.....	1
3	PAOZZ	62445	121 6107	WASHER 2 308 A 11 .....	1
4	XDOZZ	62445	223 4028	PULLEY, V-BELT .....	1

END OF FIGURE

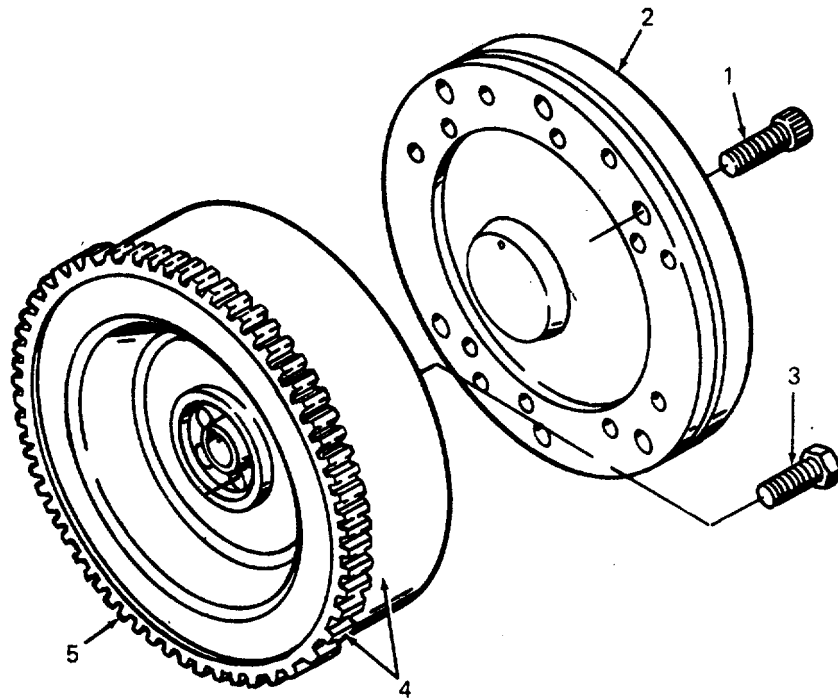


Figure 24. Flywheel

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 24 FLYWHEEL	(6) QTY
1	XDOZZ	62445	112 6918	SCREW, CHEESE HEAD M8 X 20 DIN 912-..... 8.8-A4C	6
2	XDOZZ	62445	224 5516	CARRIER .....	1
3	XDOZZ	62445	113 7741	BOLT, HEX M12 X 1, 5 X40 DIN 961-..... M12.90 ELGESC	4
4	XDOZZ	62445	224 5082	FLYWHEEL.....	1
5	XDFZZ	62445	224 5579	GEAR, RING .....	1

END OF FIGURE

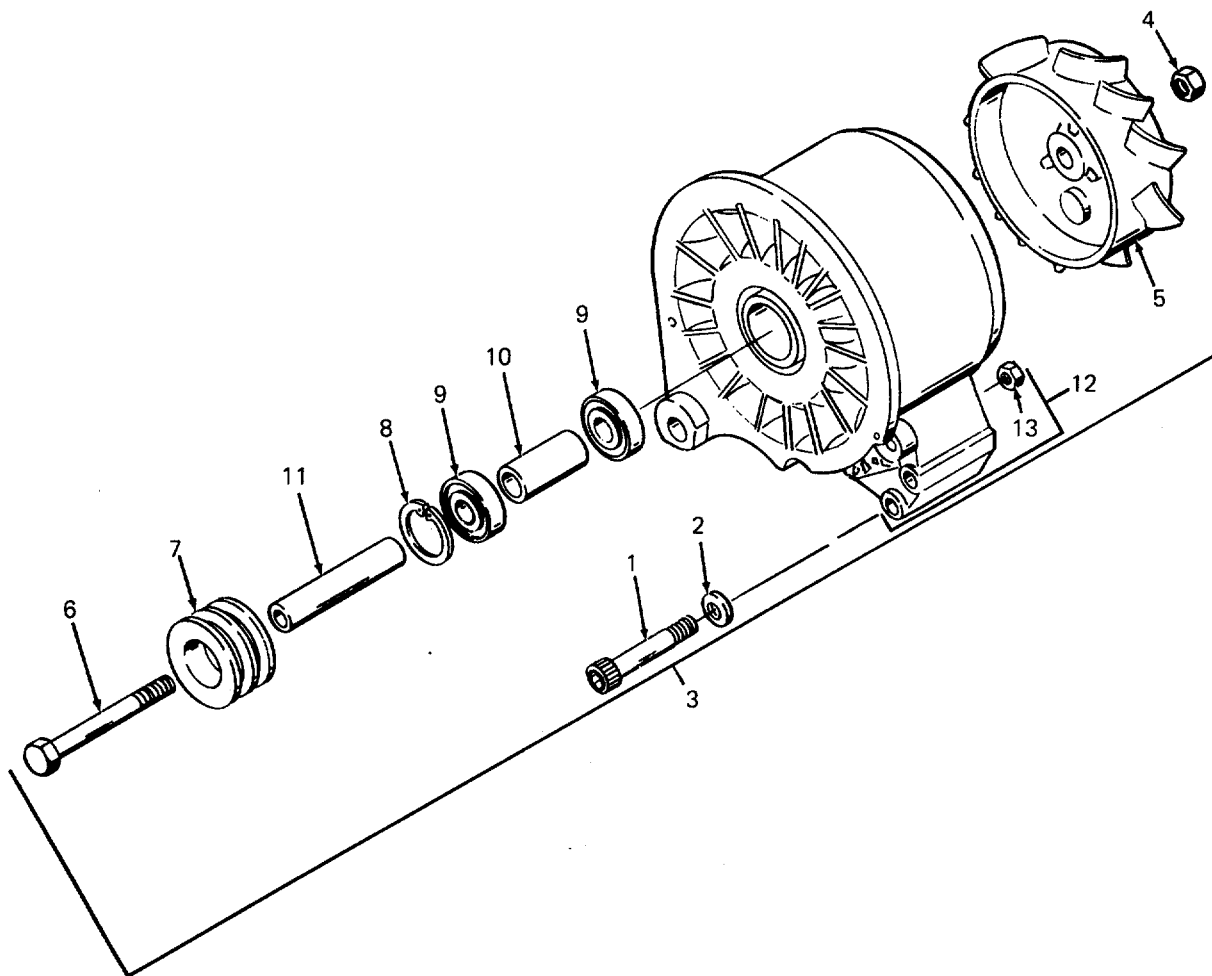


Figure 25. Cooling Air Blower

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 25 COOLING AIR BLOWER	(6) QTY
1	PAOZZ	62445	111 0706	SCREW, CAP, SOCKET HE DIN 912-M10 X ..... 80-8.8 A4C	3
2	PAOZZ	62445	121 6110	WASHER, FLAT.....	3
3	PBOFZ	62445	223 8030	ROTOR, ENGINE COOLING.....	1
4	PAFZZ	62445	111 2858	NUT, PLAIN, HEXAGON M12 DIN 934-M..... 8 A4C	1
5	XAFZZ	62445	223 8003	ROLLER, BOTTOM.....	1
6	PAFZZ	62445	112 5952	BOLT, MACHINE M12X 135 DIN 931-M..... 8 A4C	1
7	XDFZZ	62445	223 8039	PULLEY, V-BELT .....	1
8	PAFZZ	62445	110-7834	RING, RETAINING.....	1
9	PAFZZ	62445	110 9041	BEARING, BALL, ANNULA .....	2
10	XDFZZ	62445	223 8007	BUSHING .....	1
11	XDFZZ	62445	336 3658	SHAFT, QUILL .....	1
12	XAFZZ	62445	223 8033	JACKET, BLOWER.....	1
13	PAOZZ	62445	112-2477	NUT, PLAIN, HEXAGON M8 DIN 934-M ..... 8 A4C	4

END OF FIGURE



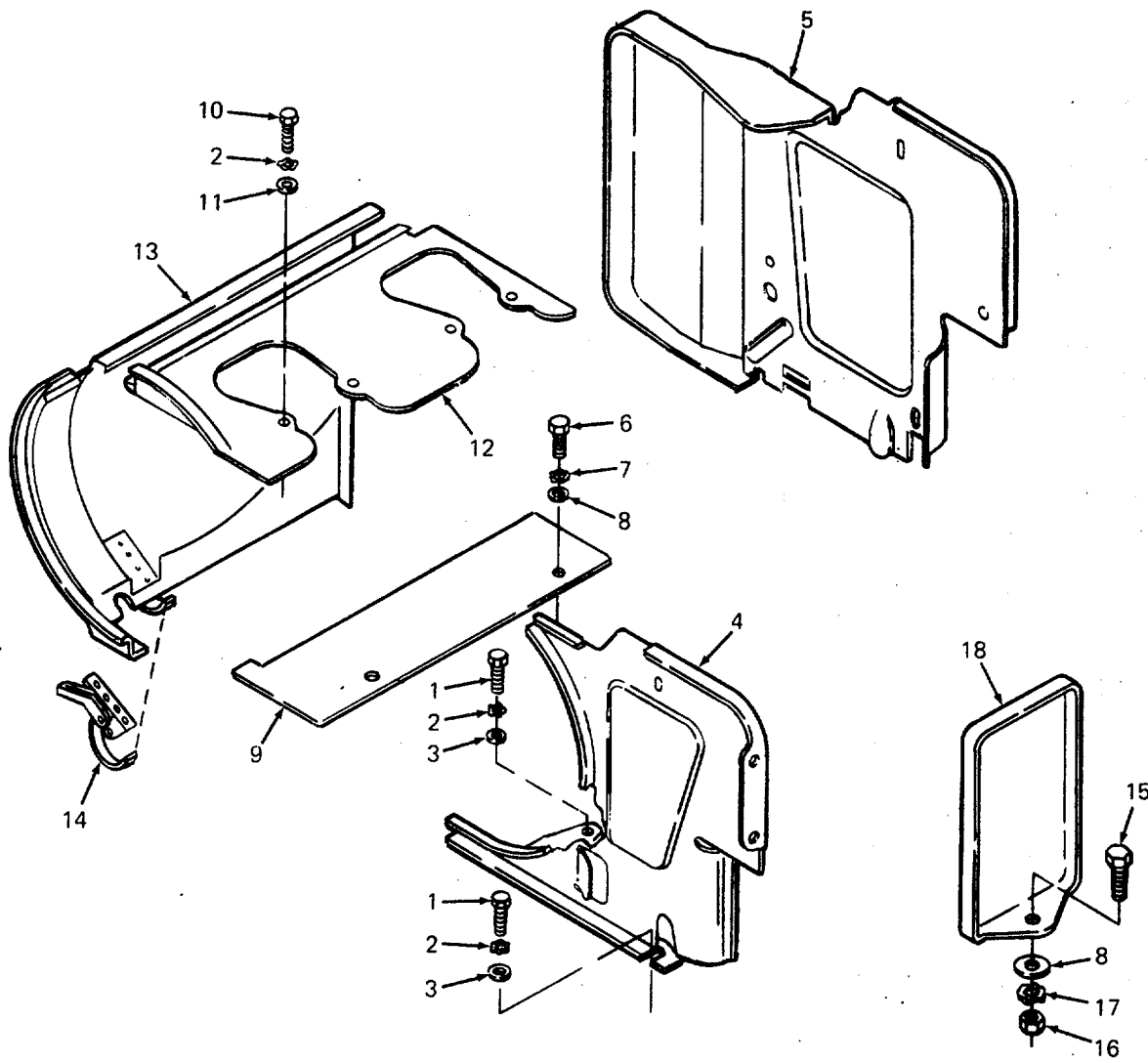


Figure 26. Cooling Air Ducting

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 26 COOLING AIR DUCTING	(6) QTY
1	XDOZZ	62445	110 5533	SCREW, MACHINE AM 6X10 DIN 84-4.8 ..... A4C	2
2	PAOZZ	62445	112-6726	WASHER, LOCK B.6 DIN 137.....	8
3	PAOZZ	62445	110 7095	WASHER, FLAT A6, 4 DIN 125-ST50 A4C.....	2
4	XDOZZ	62445	223 4306	PLATE, STAY.....	1
5	XDOZZ	62445	223 7814	PLATE, STAY .....	1
6	PAOZZ	62445	111 2307	BOLT, MACHINE M8 X 16 DIN 933-8.8..... A4C	2
7	PAOZZ	62445	110 7281	WASHER, LOCK B 8 DIN 137.....	2
8	PAOZZ	62445	110 7101	WASHER, FLAT A8, 4 DIN 125-ST50 A4C.....	2
9	XDOZZ	62445	223 4308	PLATE, COVER .....	1
10	PAOZZ	62445	110 3316	BOLT, MACHINE M6 X 16 DIN 933- 8.8..... A4C	6
11	PAOZZ	62445	121 5850	WASHER, FLAT.....	6
12	XDOZZ	62445	223 3787	PLATE, COVER .....	1
13	XDOZZ	62445	223 6664	COWLING, AIR .....	1
14	XAOZZ	62445	121 2482	FASTENER .....	2
15	PAOZZ	62445	111 2311	BOLT, MACHINE M8 X 18 DIN 933-8.8-..... A4C	1
16	PAOZZ	62445	112-2477	NUT, PLAIN, HEXAGON M 8 DIN 934-M 8..... A4C	1
17	PAOZZ	62445	110 7283	WASHER, SPRING TENSI B 8 DIN 137..... VZKC	1
18	XDOZZ	62445	223 3792	SHIELD .....	1

END OF FIGURE

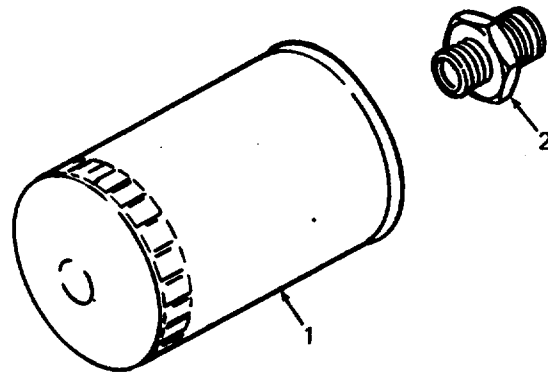


Figure 27. Oil Filter

SECTION II

TM 5-4320-302-24P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 27 OIL FILTER	(6) QTY
1	PAOZZ	62445	117 4417	FILTER ELEMENT, FLUI.....	1
2	XDOZZ	62445	223 4045	NIPPLE .....	1

END OF FIGURE

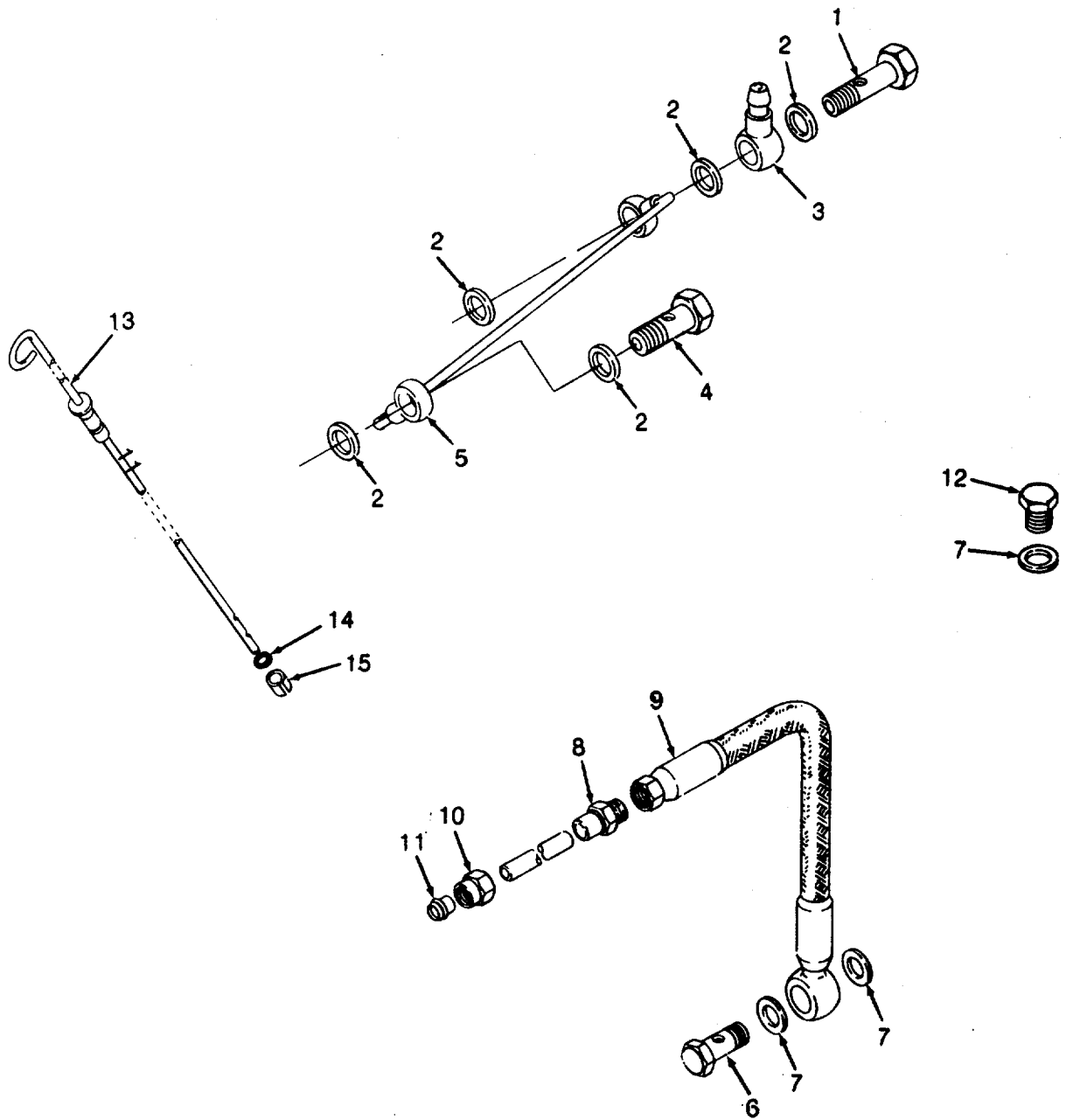


Figure 28. Oil Lines and Fittings

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 28 OIL LINES AND FITTINGS	(6) QTY
1	XDOZZ	62445	121 6492	BOLT, BANJO H3103-4M.....	1
2	XDOZZ	62445	111 8647	GASKET A8X11, 5DIN7603-CU .....	5
3	XDOZZ	62445	116 9557	FITTING, HOSE .....	1
4	XDOZZ	62445	111 9231	BOLT, BANJO A2/3DIN7623A4C .....	1
5	XDOZZ	62445	223 3733	LINE, BACK LEAKAGE .....	1
6	PAOZZ	62445	111-9237	SCREW, CAP, HEXAGON H A 4 DIN 7623.....	1
7	PAOZZ	62445	111 8659	WASHER, FLAT A 10 X 13, 5DIN 7603-CU.....	3
8	XDOZZ	62445	111 9176	NIPPLE, SOLDER AD 4 DIN 7613 .....	1
9	PAOZZ	62445	126 6238	HOSE ASSEMBLY.....	1
10	PAOZZ	62445	111 9038	NUT, UNION 4 M12X1, 5DIN 7606 .....	1
11	PAOZZ	62445	110 0740	CONE, SEALING B 4 DIN 7608 .....	1
12	XDOZZ	62445	111 8997	PLUG, SCREW CM10X1 DIN 7604- 5.8 .....	1
13	PBOZZ	62445	223 8417	GAGE ROD, LIQUID LEV .....	1
14	PAOZZ	62445	117 4311	PACKING, PREFORMED .....	1
15	XDOZZ	62445	116 7269	BUSH, CLAMPING.....	1

END OF FIGURE

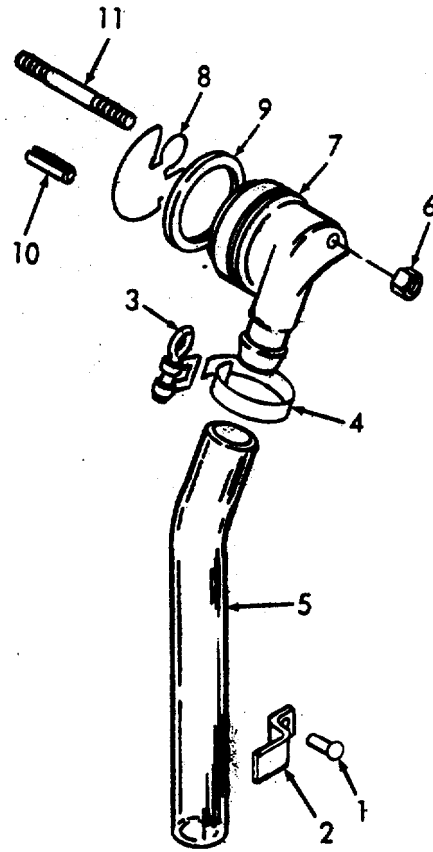


Figure 29. Breather

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 29 BREATHER	(6) QTY
1	XDOZZ	62445	111 5333	NAIL, NOTCHED 6X10 DIN 1476 VZK .....	1
2	XDOZZ	62445	223 3837	PLATE, RETAINING.....	1
3	XDOZZ	62445	116 6343	FASTENER, HOSE .....	1
4	XDOZZ	62445	116 6345	STRAPPING.....	1
5	XDOZZ	62445	140 0954	HOSE .....	1
6	XDOZZ	62445	117 1449	NUT, SEALING H2160-M6 .....	1
7	XDOOO	62445	223 3840	BREATHER .....	1
8	XDOZZ	62445	223 3839	PLATE, VALVE .....	1
9	PAOZZ	62445	117 1374	PACKING, PREFORMED 45X2, 5 H 2927-S1	
10	XDOZZ	62445	111 5433	SLEVE, DOWEL 5X16 DIN 1481.....	1
11	XDOZZ	62445	111 3363	STUD M 6X 60 DIN 939- 6.8 A4C.....	1

END OF FIGURE



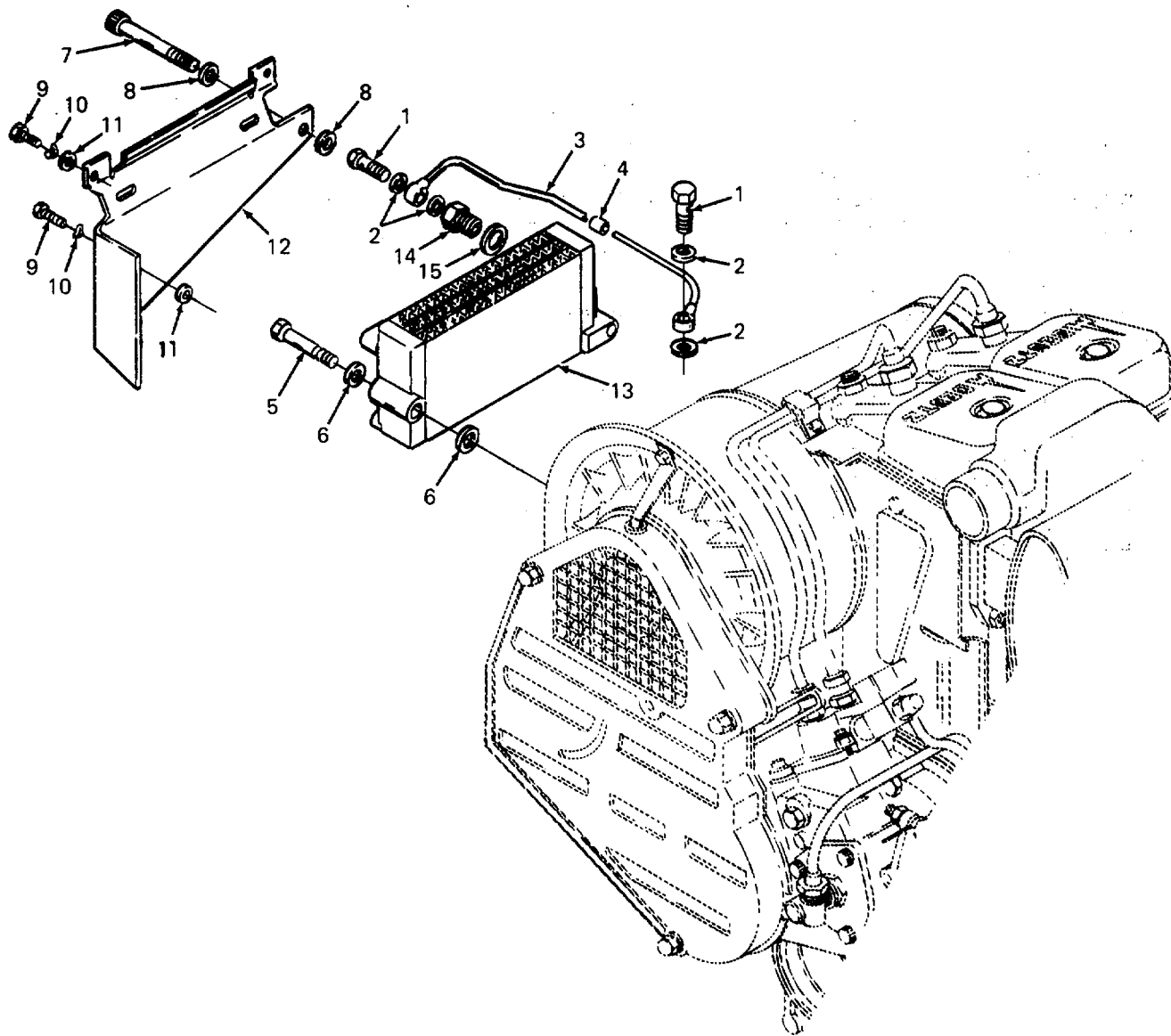


Figure 30. Lube Oil Cooler

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 30 LUBE OIL COOLER					
1	XDOZZ	62445	111 9237	BOLT, BANJO A 4 DIN 7623 A4C .....	2
2	XDOZZ	62445	111 8659	WASHER, FLAT A 10 X 13, 5DIN 7603-CU.....	4
3	XDOZZ	62445	223 4022	LINE, OIL LUBE .....	1
4	XDOZZ	62445	121 6311	SLEEVE, RUBBER .....	2
5	XDOZZ	62445	223 3876	BOLT, BANJO .....	1
6	XDOZZ	62445	223 9081	WASHER, 12X20 .....	2
7	XDOZZ	62445	112 6935	SCREW, CHEESE HEAD.....	1
8	XDOZZ	62445	110 7110	WASHER A 13 DIN 125-ST-A4C.....	2
9	XDOZZ	62445	110 3316	BOLT, MACHINE M 6X16 DIN 933-8.8-.....	3
10	XDOZZ	62445	112 6726	A4C WASHER, SPRING B6 DIN 137-A4C.....	3
11	XDOZZ	62445	121 6078	WASHER, 2 306 A 1 .....	3
12	XDOZZ	62445	223 5346	SHIELD .....	1
13	XDOFF	62445	223 4259	COOLER, OIL LUBE .....	1
14	XDOZZ	62445	121 6169	BUSH, THREADED.....	1
15	XDOZZ	62445	111 8693	WASHER, FLAT A14X20 DIN 7603 CU.....	1

END OF FIGURE

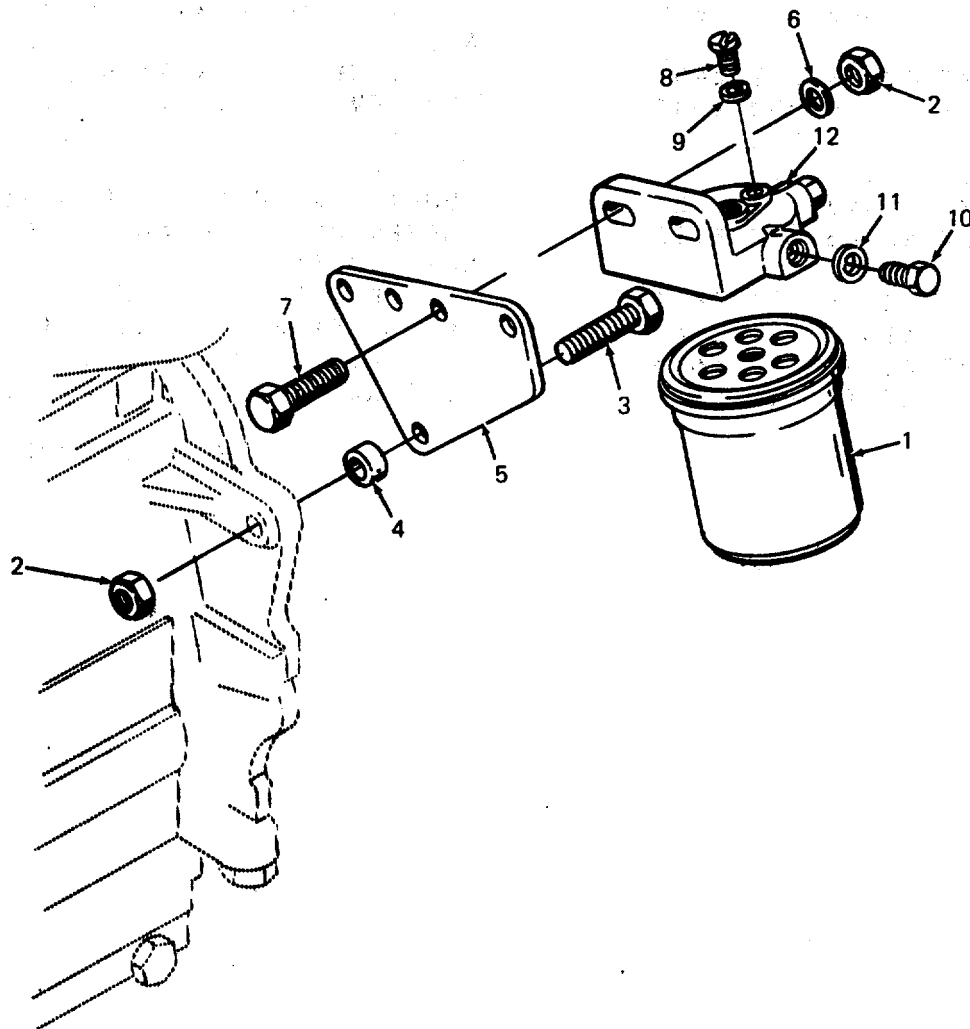


Figure 31. Fuel Filter

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 31 FUEL FILTER	(6) QTY
1	PAOZZ	62445	117 4696	FILTER ELEMENT, FLUI.....	1
2	XDOZZ	62445	110 2659	NUT, PLAIN, HEXAGON M10 DIN 934-M 8.....	4
3	XDOZZ	62445	111 2451	A4C	
4	XDOZZ	62445	230 1539	BOLT, HEX M10X 45 DIN 933- 8.8 A4C.....	2
5	XDOZZ	62445	223 9616	SPACER .....	2
6	XDOZZ	62445	110 7105	PLATE.....	1
7	XDOZZ	62445	111 2429	WASHER A10, 5DIN 125-ST50 A4C.....	2
8	XDOZZ	62445	110 5533	BOLT, HEX M10X 30 DIN 933- 8.8 A4C.....	2
9	XDOZZ	62445	111 8641	SCREW, CHEESE HEAD AM 6 X 10 DIN .....	1
10	XDOZZ	62445	111 8960	84- 4.8 A4	
11	XDOZZ	62445	111 8688	WASHER, FLAT A 6 X 10 DIN 7603-CU.....	1
12	XDOZZ	62445	117 4821	PLUG, SCREW AM14X1, 5DIN7604-5.8 .....	2
				GASKET A14X18DIN7603-CU .....	2
				BRACKET .....	1

END OF FIGURE

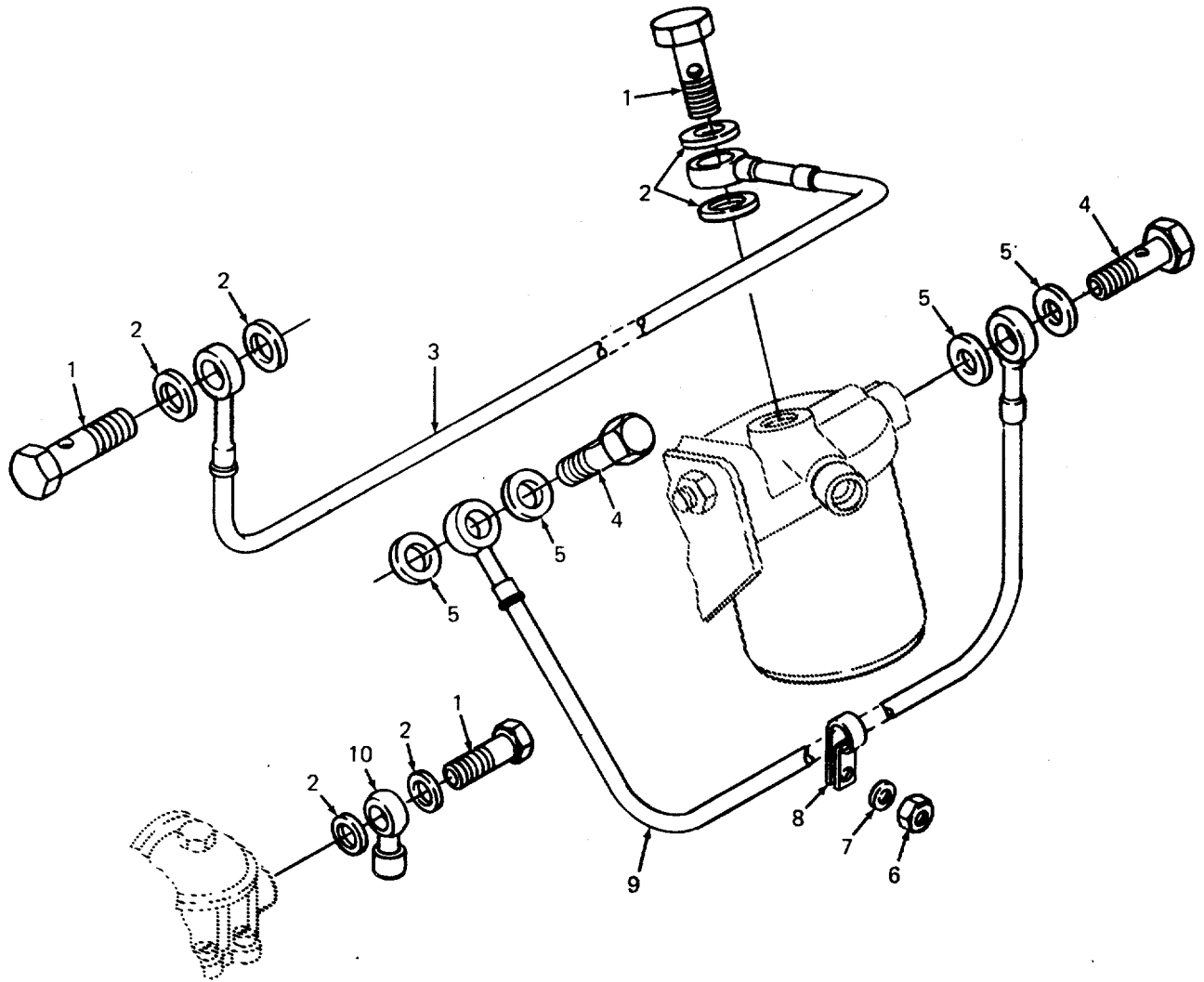


Figure 32. Fuel Lines and Fittings

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 32 FUEL LINES AND FITTINGS	(6) QTY
1	XDOZZ	62445	111 9246	BOLT, BANJO H3102-D10M-ST-A4C.....	3
2	XDOZZ	62445	111 8688	GASKET A 14X18 DIN 7603-CU .....	6
3	XDOZZ	62445	224 4828	LINE, FUEL .....	1
4	XDOZZ	62445	111 9241	BOLT, BANJO H3102-D8M-ST-A4C.....	2
5	XDOZZ	62445	111 8673	GASKET A 12 X 15, 5DIN 7603-CU.....	4
6	XDOZZ	62445	111 2813	NUT, PLAIN, HEXAGON M6DIN934-M8A4C.....	1
7	XDOZZ	62445	110 7095	WASHER, FLAT A6, 4DIN125-ST50A4C.....	1
8	XDOZZ	62445	121 8534	CLIP, PIPE .....	1
9	XDOZZ	62445	346 9058	LINE, FUEL .....	1
10	XDOZZ	62445	129 0579	FITTING, BANJO .....	3

END OF FIGURE

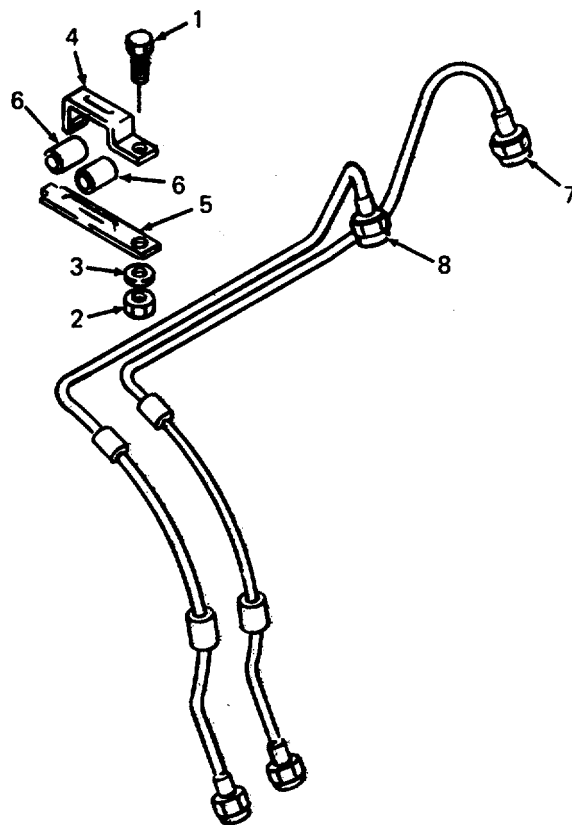


Figure 33. Injection Lines

## SECTION II

TM 5-4320-302-24P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 33 INJECTION LINES	(6) QTY
1	XDOZZ	62445	111 2240	BOLT, HEX M 6X12 DIN 933-8.8-A4C.....	1
2	XDOZZ	62445	111 2813	NUT, PLAIN, HEXAGON M 6 DIN 934-M 8..... A4C	1
3	XDOZZ	62445	110 7095	WASHER, FLAT A 6, 4DIN 125-ST A4C .....	1
4	XDOZZ	62445	116 1469	CLIP, PIPE .....	1
5	XDOZZ	62445	117 0642	PLATE, END .....	1
6	XDOZZ	62445	337 2269	SLEVE, RUBBER .....	2
7	XDOZZ	62445	223 3746	LINE, INJECTION .....	1
8	XDOZZ	62445	223 3741	LINE, INJECTION .....	1

END OF FIGURE



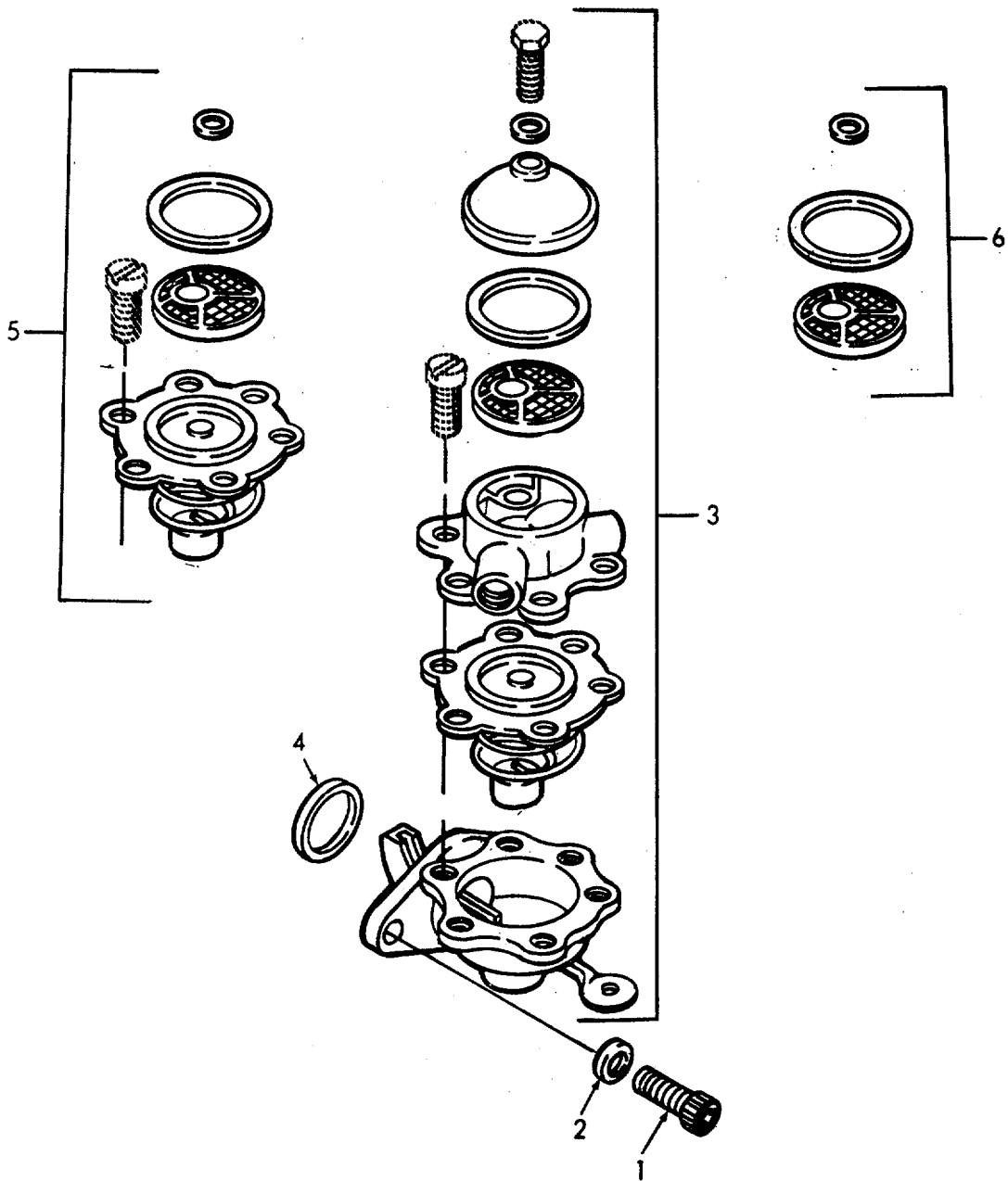


Figure 34. Fuel Feed Pump

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 34. FUEL FEED PUMP					
1	PAOZZ	62445	110 4181	SCREW, CAP, SOCKET HE M6X16 DIN 912- 8.8-A4C .....	2
2	PAOZZ	62445	110 2797	WASHER, LOCK A 6 DIN 128 A4C.....	2
3	PBOFF	62445	117 3937	PUMP, FUEL LIFT .....	1
4	PAOZZ	62445	117 4312	PACKING, PREFORMED 32X3 H2927.....	1
SILICON					
5	PBFZZ	62445	126 0051	PARTS KIT, METERING FUEL LIFT PUMP .....	1
6	PBFZZ	62445	126 0049	PARTS KIT, METERING FUEL LIFT .....	1
PUMP					

END OF FIGURE

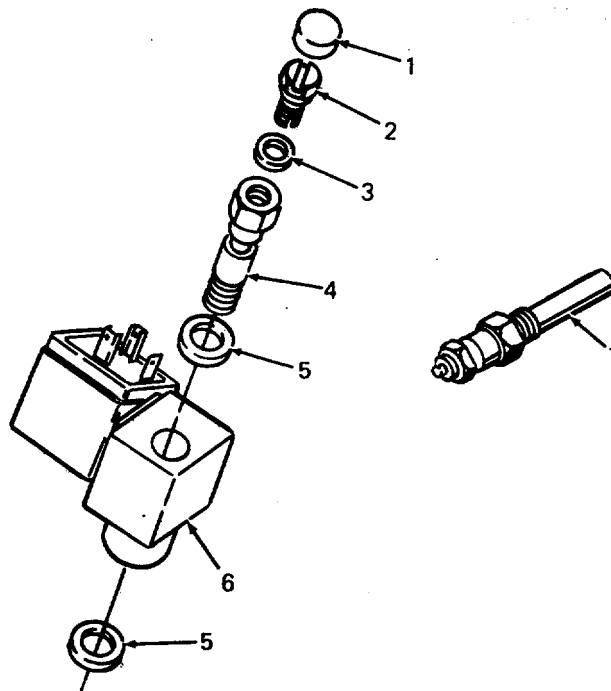


Figure 35. Engine Shutdown Valve

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC) GROUP 15 ENGINE ASSEMBLY FIG. 35 ENGINE SHUTDOWN VALVE	(6) QTY
1	PAOZZ	18876	13142983-22/3	CAP.....	1
2	PAOZZ	62445	111-2232	BOLT .....	1
3	PAOZZ	62445	111 8641	WASHER, FLAT A6X10DIN7603-CU.....	1
4	PAOZZ	62445	224 8051	BOLT, FLUID PASSAGE .....	1
5	PAOZZ	62445	111 8672	WASHER, FLAT A12X15, 5DIN7603-AL.....	2
6	PAOZZ	62445	224 7486	VALVE, SOLENOID .....	1
7	PAOZZ	62445	117 3469	SWITCH, ENGINE TEMPE .....	1

END OF FIGURE

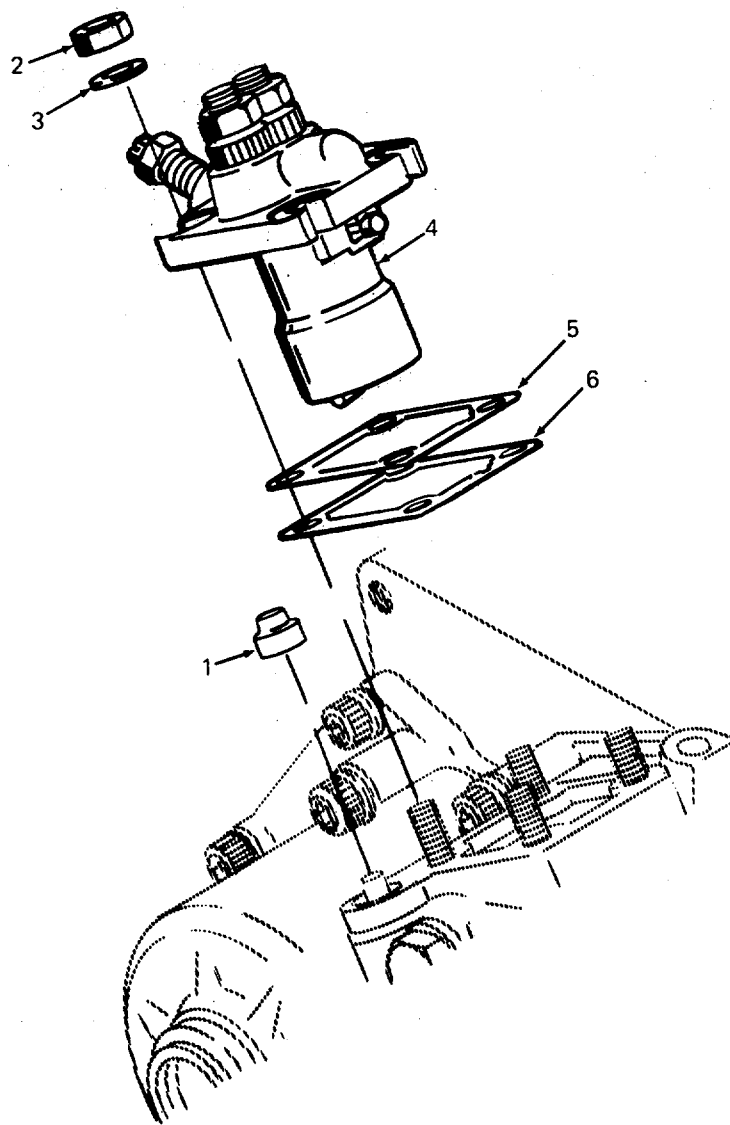


Figure 36. Fuel Injection Pump

SECTION II				(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 36 FUEL INJECTION PUMP					
1	PAHZZ	62445	213 3628	.CAP, PROTECTIVE, DUST .....	1
2	PAHZZ	62445	112-2477	.NUT, PLAIN, HEXAGON M 8 DIN 934-M 8..... A4C .....	4
3	PAHZZ	62445	223 4263	.WASHER, FLAT .....	4
4	PAHDZ	62445	223-3729	.OIL PUMP ASSEMBLY, E .....	1
5	PAHZZ	62445	223 4007	.SHIM .....	4
6	PAHZZ	62445	223 4006	.GASKET.....	1

END OF FIGURE

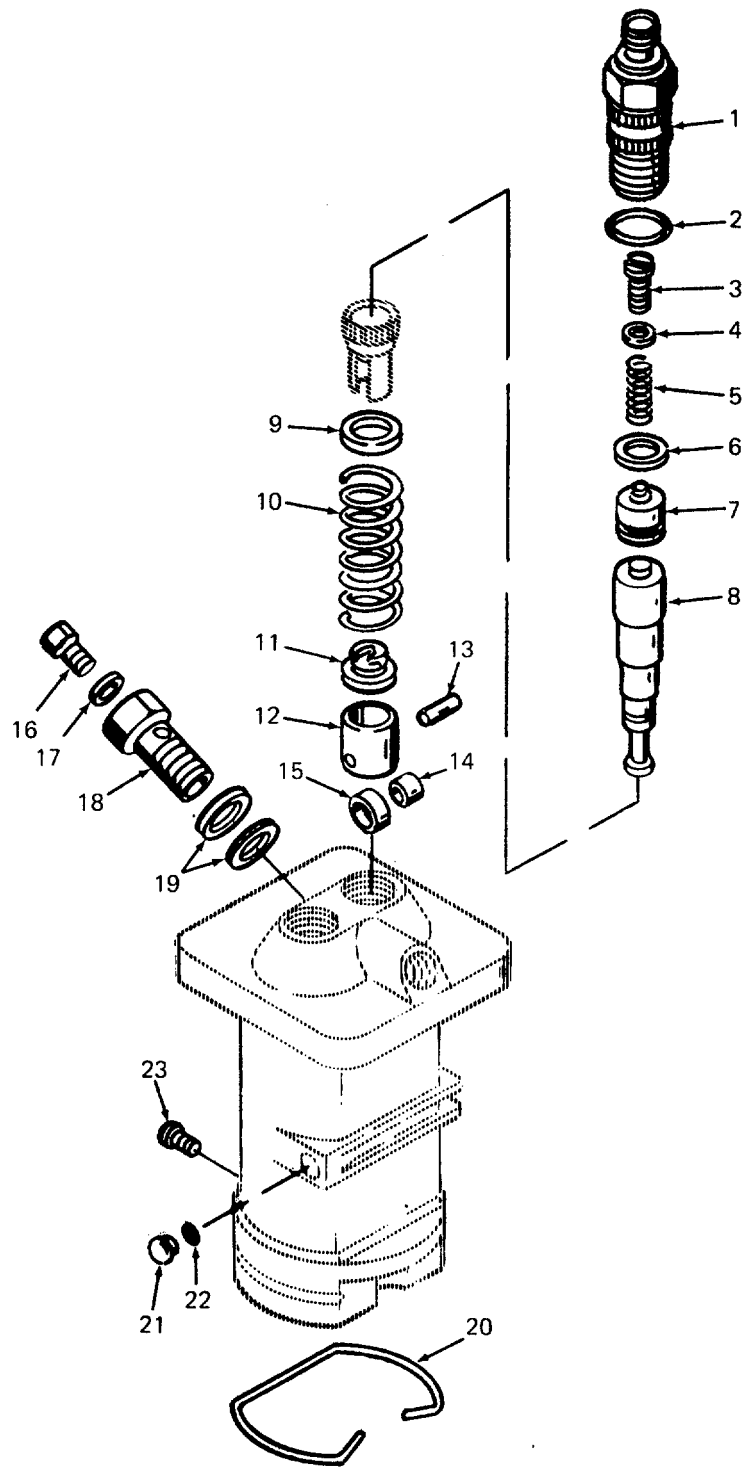


Figure 37. Injection Pump Assembly

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR	FSCM	PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE		NUMBER		
GROUP 15 ENGINE ASSEMBLY					
FIG. 37 INJECTION PUMP ASSEMBLY					
1	XDDZZ	62445	130 8368	..RETAINER .....	2
2	XDDZZ	62445	128 9788	..SEAL-O .....	2
3	XDDZZ	62445	130 7996	..ADAPTER .....	2
4	XDDZZ	62445	131 0062	..WASHER, SHIM 0, 30 MM DICK .....	2
				S.POS.950+951 .....	
4	XDDZZ	62445	131 0063	..WASHER, SHIM 0, 50 MM DICK S.POS.2. ....	2
4	XDDZZ	62445	131 0064	..WASHER, SHIM 1, 00 MM DICK S.POS.2. ....	2
5	XDDZZ	62445	130 7992	..SPRING, COMPRESSION .....	2
6	XDDZZ	62445	213 8224	..WASHER, SEALING .....	2
7	XDDZZ	62445	130 8367	..VALVE, DELIVERY .....	2
8	XDDZZ	62445	130 8366	..ELEMENT, PUMP .....	2
9	XDDZZ	62445	130 2095	..CAP, SPRING .....	2
10	XDDZZ	62445	130 8038	..SPRING, COMPRESSION .....	2
11	XDDZZ	62445	128 8029	..CAP, SPRING .....	2
12	XDDZZ	62445	129 9265	..TAPPET, ROLLER .....	2
13	XDDZZ	62445	130 2096	..PIN, PARALLEL .....	2
14	XDDZZ	62445	130 2097	..BUSH, BEARING .....	2
15	XDDZZ	62445	130 2098	..ROLLER .....	2
16	XDDZZ	62445	213 5103	..SCREW, EXTERNALLY RE .....	1
17	XDDZZ	62445	213 5104	..WASHER, FLAT .....	1
18	XDDZZ	62445	130 7995	..BOLT, BANJO .....	1
19	XDDZZ	62445	111 8673	..GASKET A12X15, 5DIN7603-CU.....	2
20	XDDZZ	62445	130 8394	..RING, CLAMPING .....	1
21	XDDZZ	62445	130 8371	..PLUG, DISHED .....	2
22	XDDZZ	62445	130 8370	..SEAL-O .....	2
23	XDDZZ	62445	130 0123	..BOLT, GUIDE.....	2

END OF FIGURE



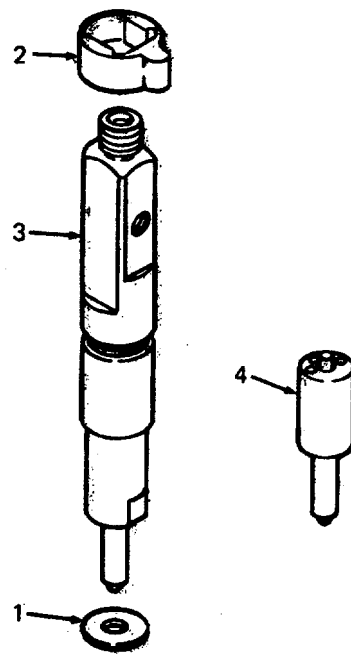


Figure 38. Fuel Injector

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR	FSCM	PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE		NUMBER		
GROUP 15 ENGINE ASSEMBLY					
FIG. 38 FUEL INJECTOR					
1	PAFZZ	62445	415- 3052	.WASHER, FLAT 0155-19-08.06.....	1
2	XDFZZ	62445	213 7568	.SLEEVE, COOLING, FUEL .....	1
3	XDFHH	62445	223 3085	.NOZZLE, FUEL INJECTI EINZELTEILE .....	1
				S.TNL.-BLATT 0150-19 5029023.....	
4	PAHZZ	62445	223 3086	.NOZZLE, FUEL INJECTI .....	1

END OF FIGURE

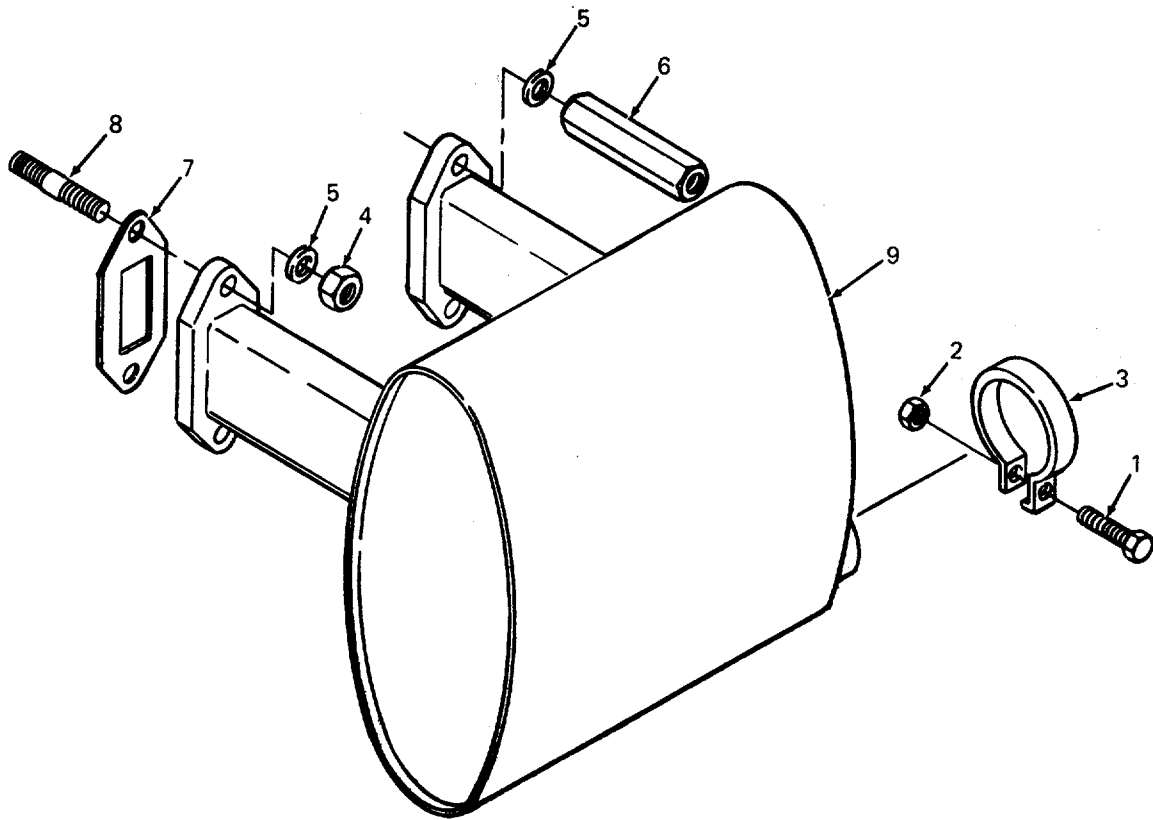


Figure 39. Exhaust Manifold

SECTION II				(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 39 EXHAUST MANIFOLD					
1	PAOZZ	62445	111 2333	.SCREW, CAP, HEXAGON H M 8X 25 DIN ..... 933- 8.8-A4C .....	1
2	PAOZZ	62445	112-2477	.NUT, PLAIN, HEXAGON M 8 DIN 934-M 8..... A4C .....	1
3	PAOZZ	62445	210 3634	.CLAMP, LOOP .....	1
4	PAOZZ	62445	331 6466	.NUT, PLAIN, HEXAGON .....	3
5	PAOZZ	62445	110 7102	.WASHER, FLAT A 8, 4 DIN 125- ..... SOMS58AL2F60 .....	4
6	PAOZZ	62445	216 1050	.NUT, PLAIN, ROUND .....	1
7	PAOZZ	62445	337 1689	.GASKET .....	2
8	PAOZZ	62445	111 0183	.STUD, PLAIN M 8 SN4X 25 DIN 835- ..... 8.8 A4C.....	4
9	PBOZZ	62445	419-1051	.MUFFLER, EXHAUST .....	1

END OF FIGURE

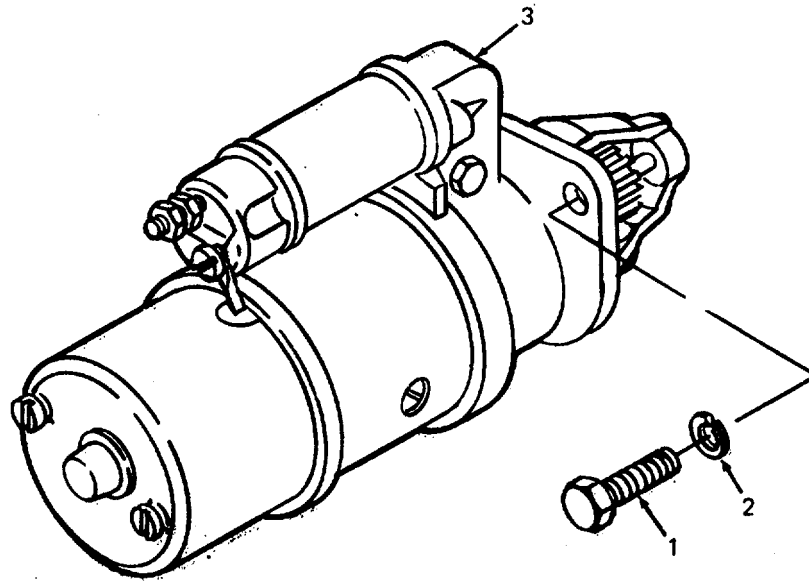


Figure 40. Starter Assembly

SECTION II				(5)	(6)
(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 40 STARTER ASSEMBLY					
1	PAOZZ	62445	112 4836	.SCREW, CAP, HEXAGON H M12X 28 DIN..... 933-M 8.8-A4C .....	2
2	PAOZZ	62445	110 2801	.WASHER, LOCK A 12 DIN 128 A4C.....	2
3	PBOZZ	62445	117 1481	.STARTER, ENGINE, ELEC .....	1

END OF FIGURE

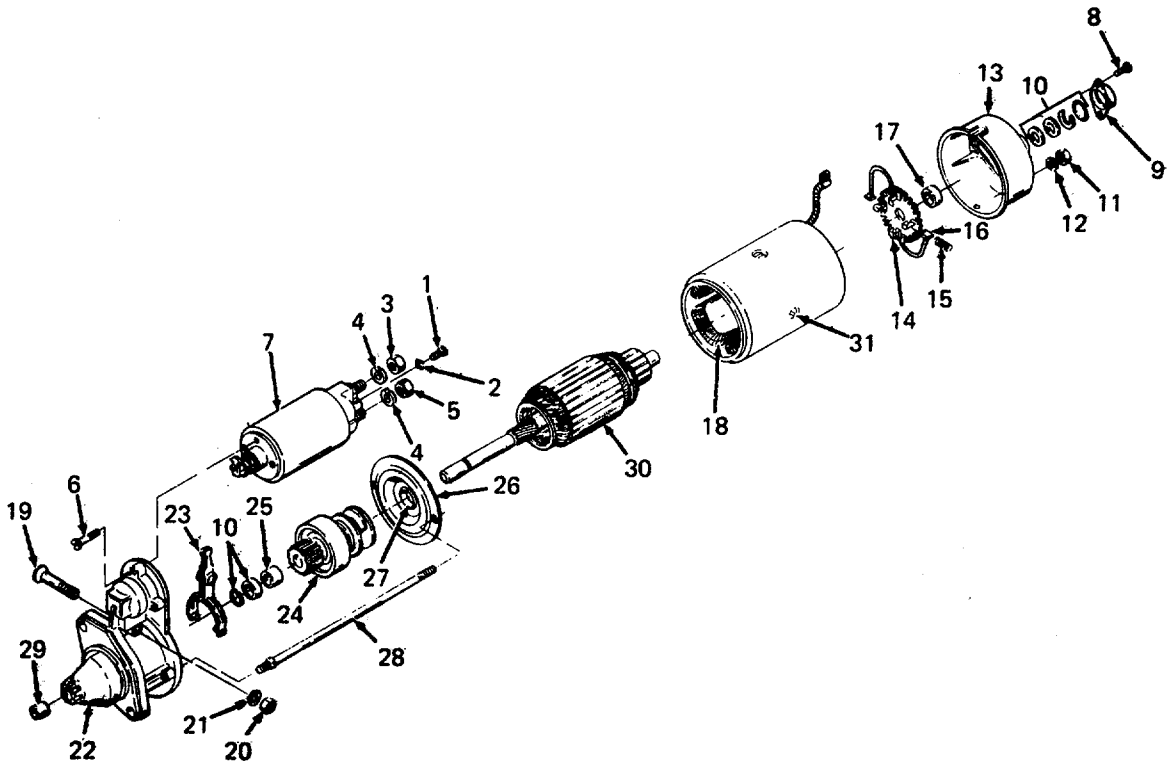


Figure 41. Starter

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR	FSCM	PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE		NUMBER		
GROUP 15 ENGINE ASSEMBLY					
FIG. 41 STARTER					
1	PAOZZ	62445	110 5501	..SCREW, MACHINE AM4X6DIN84-4.8A4C.....	1
2	PAOZZ	62445	298 5062	..WASHER, SPRING TENSI .....	1
3	PAOZZ	62445	110 2659	..NUT, PLAIN, HEXAGON M10DIN934-M8A4C....	1
4	PAOZZ	36719	110 2800	..WASHER, LOCK AIODIN128A4C .....	2
5	PAOZZ	62445	112 6749	..NUT, PLAIN, HEXAGON BM10DIN439-..... 04A4C .....	1
6	PAFZZ	62445	130 9463	..SCREW, MACHINE .....	3
7	PAFZZ	62445	130 7768	..RELAY-SOLENOID, ENGI .....	1
8	PAFZZ	62445	110 5526	..SCREW, CAP, SOCKET HE AM5X16DIN84-..... 4.8A4C .....	2
9	XDFZZ	62445	130 8151	..CAPSULE .....	1
10	PAFZZ	62445	130 -8152	..WASHER ASSORTMENT .....	1
11	PAFZZ	62445	111 2813	..NUT, PLAIN, HEXAGON M6DIN934-M8A4C.....	2
12	PAFZZ	62445	2016 7102	..WASHER, FLAT .....	2
13	XDFZZ	62445	130 8146	..SUPPORT, BEARING .....	1
14	XDFZZ	62445	130 8802	..HOLDER, BRUSH .....	1
15	PAFZZ	53867	2-004-618-004	..SPRING, HELICAL, COMP .....	4
16	PAFZZ	62445	130 8148	..BRUSH SET, ELECTRICA .....	1
17	XDFZZ	62445	130 8147	..BUSH .....	1
18	XDFZZ	62445	130 8142	..WINDING, EXCITER .....	1
19	XDFZZ	62445	298 5110	..SCREW, CHEESE HEAD .....	1
20	XDFZZ	62445	112 6748	..NUT, HEX BM8DIN439-04A4C .....	1
21	XDFZZ	62445	110 7283	..WASHER, SPRING TENSI B8DIN137A4C.....	1
22	XDFZZ	62445	130 9845	..BEARING, DRIVE .....	1
23	XDFZZ	62445	130 7218	..LEVER, FORKED .....	1
24	XDFZZ	62445	130 8144	..PINON.....	1
25	XDFZZ	62445	298 5188	..BUSH .....	2
26	XDFZZ	62445	298 5192	..SUPPORT, BEARING .....	1
27	XDFZZ	62445	298 5189	..BUSH .....	1
28	XDFZZ	62445	298 5193	..STUD .....	2
29	XDFZZ	62445	298 5187	..BUSH .....	1
30	XDFZZ	62445	130 8145	..ARMATURE .....	1
31	XDFZZ	62445	130 3936	..SCREW, COUNTER SUNK .....	4

END OF FIGURE



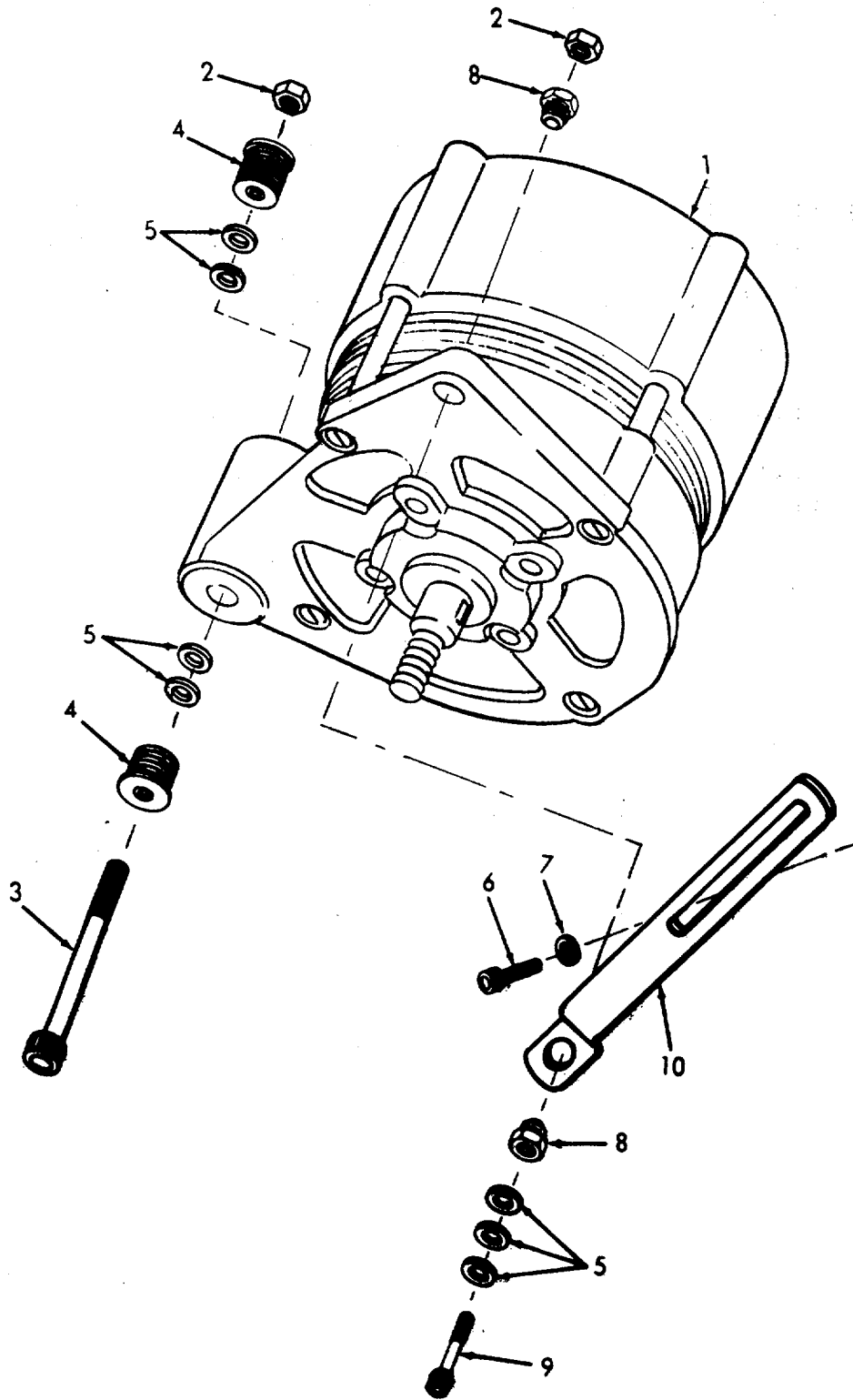


Figure 42. Alternator Assembly

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR	FSCM	PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE		NUMBER		
GROUP 15 ENGINE ASSEMBLY					
FIG. 42 ALTERNATOR ASSEMBLY					
1	PBOFF	62445	117 2857	.ALTERNATOR WITH REG .....	1
2	PAOZZ	62445	112 2477	NUT, PLAIN, HEXAGON M 8 DIN 934-M 8.....	2
				PHOSPH .....	
3	PAOZZ	62445	112 3702	SCREW, CAP, SOCKET HE M8 X 120 DIN .....	1
				912-8.8A4C.....	
4	PAOZZ	62445	126 0659	BUSH, DAMPING .....	2
5	PAOZZ	62445	110 7101	WASHER, FLAT 8.4 DIN 125-A4C.....	7
6	PAOZZ	62445	112 3699	SCREW, CAP, SOCKET HE M8 X 30 DIN .....	1
				912-8.8A4C.....	
7	PAOZZ	62445	121 1206	WASHER.....	1
8	PAOZZ	62445	224 2433	PAD, RUBBER .....	2
9	PAOZZ	62445	112 3701	SCREW, CAP, SOCKET HE M8 X 40 DIN .....	1
				912-8.8A4C.....	
10	XDOZZ	62445	223 4049	PLATE, CLAMPING .....	1

END OF FIGURE

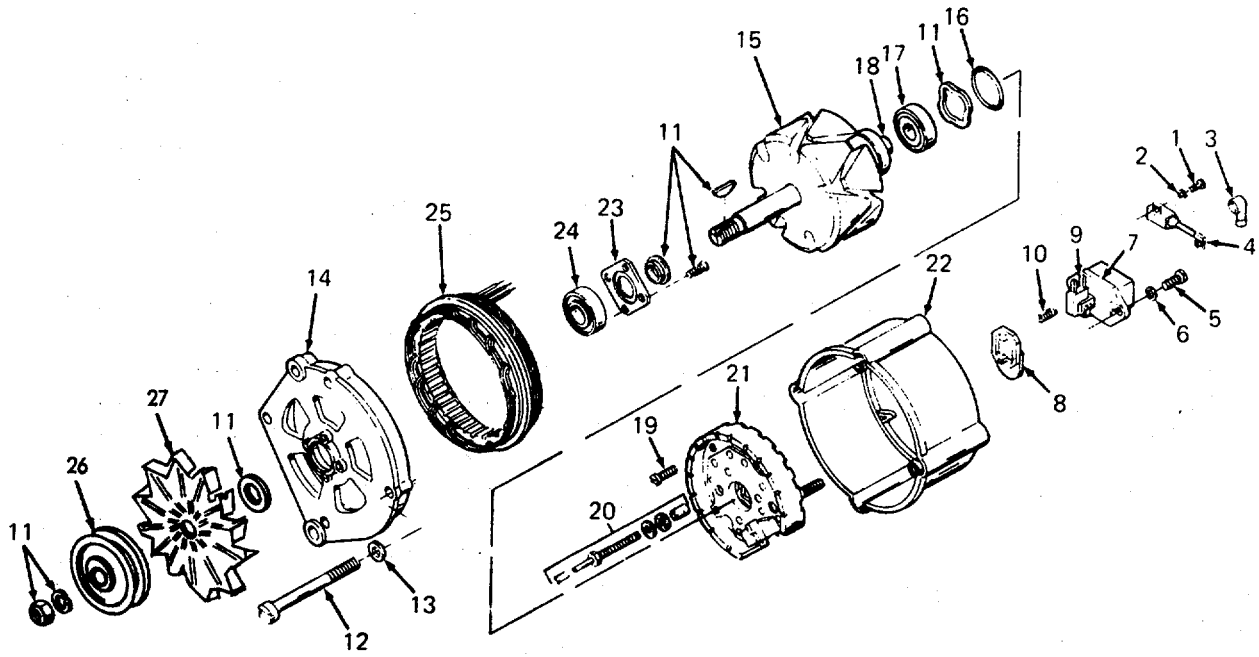


Figure 43. Alternator

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

GROUP 15 ENGINE ASSEMBLY

FIG. 43 ALTERNATOR

1	PAFZZ	62445	110 5522	..SCREW, CAP, SOCKET HE AM5X1ODIN84- .... 4.8-A4Ce .....	1
2	PAFZZ	62445	112 6725	..WASHER, SPRING TENSI B5DIN137VZKC. ....	1
3	XDFZZ	62445	116 9028	..CAP .....	
4	PAFZZ	62445	130 8397	..CONDENS, SUPPRESSOR .....	
5	PAFZZ	62445	112 3576	..SCREW, CAP, SOCKET HE AM4X18DIN84-..... 4.8A4C .....	2
6	PAFZZ	62445	112 6724	..WASHER, SPRING TENSI B4DIN137VZKC. ....	2
7	PAFZZ	62445	117 3069	..REGULATOR, ENGINEGE .....	1
8	XDFZZ	62445	130 6486	..FRAME, SEALING .....	1
9	PAFZZ	62445	130 8451	..BRUSH, ELECTRICAL CO .....	1
10	PAFZZ	62445	130 6481	..SPRING, HE, LICAL, COMP .....	2
11	XDFZZ	62445	130 7188	..ROTOR LOCKING SET .....	1
12	XDFZZ	62445	130 8500	..SCREW, CHEESE HEAD.....	4
13	XDFZZ	62445	110 7544	..WASHER 5, 3DIN433-ST-A4C .....	4
14	XAFZZ	62445	130 8494	..BEARING, DRIVE .....	1
15	XAFZZ	62445	130 8495	..ROTOR .....	1
16	XDFZZ	62445	130 6420	..SEAL-O .....	1
17	XDFZZ	62445	113 8536	..BEARING, BALL 62012RSC3DIN625.....	1
18	XDFZZ	62445	130 8496	..RING, SLIP .....	1
19	XDFZZ	62445	130 6413	..BOLT .....	3
20	XDFZZ	62445	130 8454	..ASSEMBLY, TERMINAL .....	1
21	XAFZZ	62445	130 8498	..RECTIFIER .....	1
22	XAFZZ	62445	130 8497	..SUPPORT, BEARING .....	1
23	XDFZZ	62445	130 1090	..PLATE, COVER .....	1
24	XDFZZ	62445	113 6672	..BEARING, BALL 6303-2RSYC3DIN625.....	1
25	XAFZZ	62445	130 8499	..COLUMIX .....	1
26	XDFZZ	62445	117 2377	..PULLEY, CONE .....	1
27	XDOZZ	62445	116 2877	..FAN .....	1

END OF FIGURE

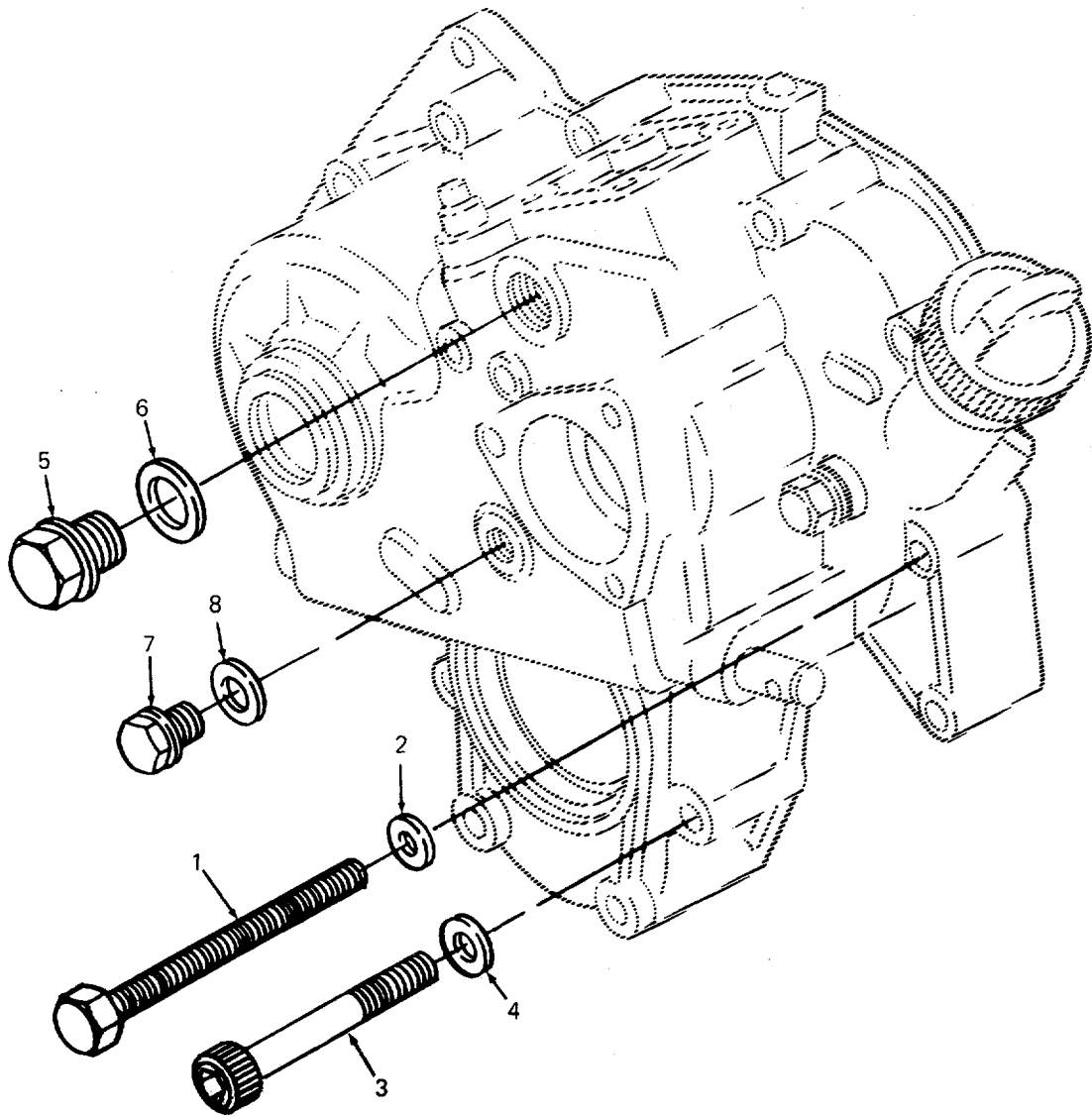


Figure 44. Front Cover Assembly

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR	FSCM	PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE		NUMBER		
GROUP 15 ENGINE ASSEMBLY					
FIG. 44 FRONT COVER ASSEMBLY					
1	XDHZZ	62445	111 2290	.BOLT, HEX M6X70 DIN 933-8.8-A4C .....	1
2	XDHZZ	62445	111 8641	.WASHER, FLAT A 6X10 DIN 7603-CU .....	1
3	XDHZZ	62445	111 0539	.SCREW, CHEESE HEAD M 6X50 DIN912-.....	13
				8.8-A4C .....	
4	XDHZZ	62445	121 8400	.WASHER 995 M1.....	13
5	XDHZZ	62445	111 8979	.PLUG, SCREW AM22X1, 5 DIN 7604- 5.8. ....	1
6	XDHZZ	62445	111 8736	.WASHER A 22 X 27 DIN 7603-ALU .....	1
7	XDHZZ	62445	111 8964	.PLUG, SCREW AM16X1, 5 DIN 7604- 5.8. ....	1
8	XDHZZ	62445	111 8706	.WASHER A 16 X 22 DIN 7603-ALU .....	1

END OF FIGURE

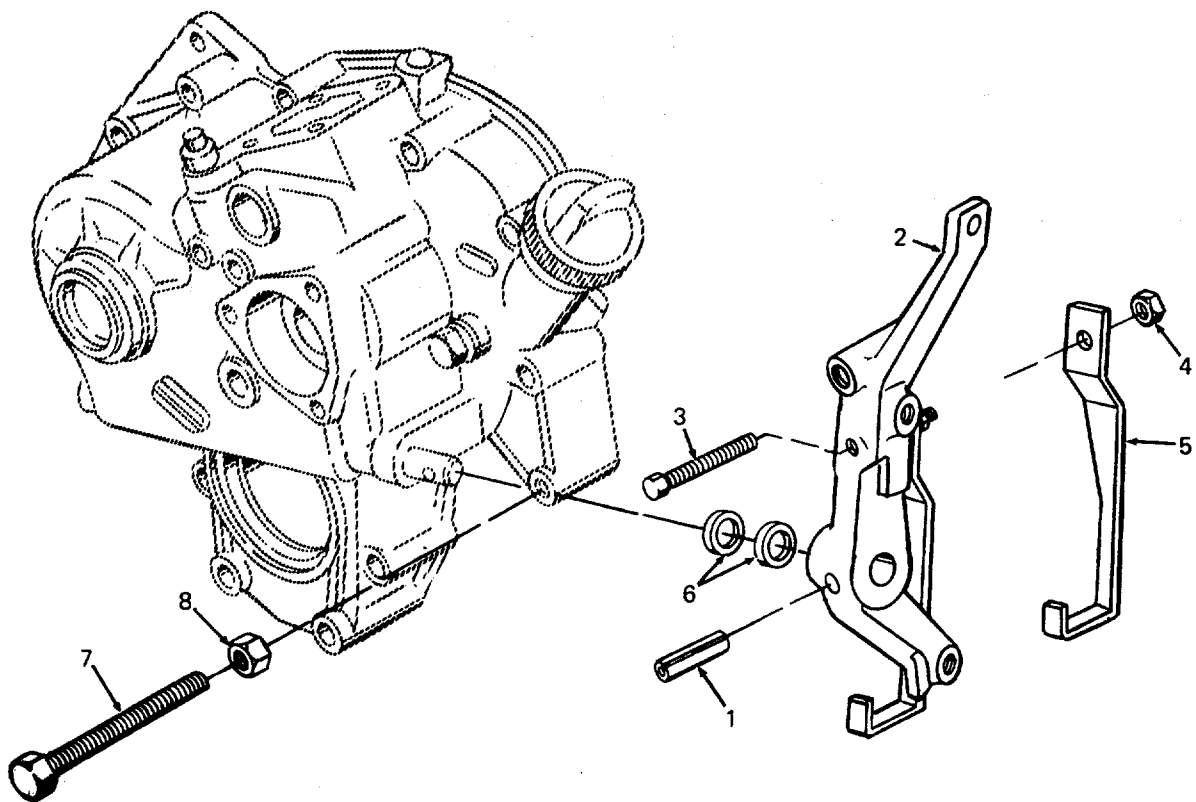


Figure 45. Speed Control

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR	FSCM	PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE		NUMBER		
GROUP 15 ENGINE ASSEMBLY					
FIG. 45 SPEED CONTROL					
1	XDHZZ	62445	111 5437	.SLEVEPDOWEL .....	1
2	XDHZZ	62445	223 3772	.ARM .....	1
3	XDHZZ	62445	113 7107	.BOLT, HEX M6X50 SK DIN 933-M10.9- .....	1
				.A4C .....	
4	XDHZZ	62445	111 2811	.NUT, HEX M 6 DIN 934-M 8 .....	1
5	XDHZZ	62445	223 3771	.SPRING, LEAF.....	1
6	XDHZZ	62445	116 5986	.SEAL-O 10 X 2 H 721.....	2
7	XDHZZ	62445	111 2372	.BOLT, HEX M 8X 70 DIN 933-M 8.8 A4C .....	1
8	XDHZZ	62445	111 2823	.NUT, HEX M8 DIN 934-M8 .....	1

END OF FIGURE



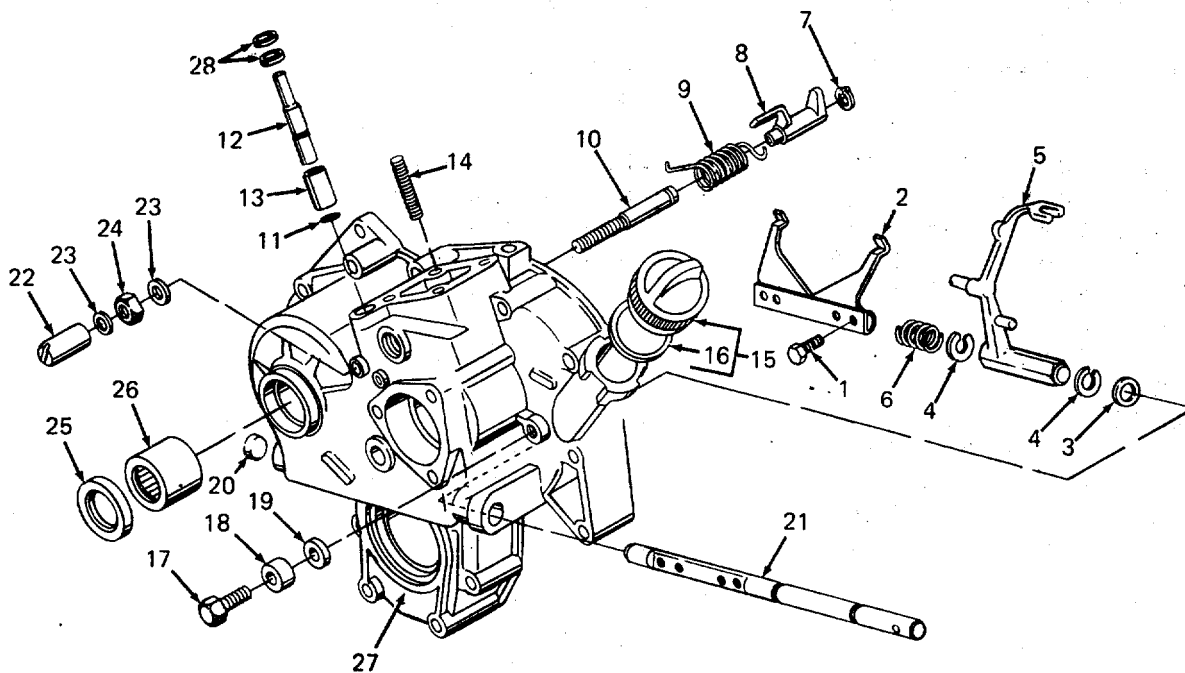


Figure 46. Front Cover

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR	FSCM	PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE		NUMBER		
GROUP 15 ENGINE ASSEMBLY					
FIG. 46 FRONT COVER					
1	XDHZZ	62445	223 4199	.BOLT, HEX.....	4
2	XDHZZ	62445	223 5604	.SPRING .....	1
3	XDHZZ	62445	337 9712	.WASHER 0199-17-291.02.....	4
4	XDHZZ	62445	111 7930	.WASHER, LOCKING 9 DIN 6799.....	2
5	XDHZZ	62445	223 4046	.ARM .....	1
6	XDHZZ	62445	335 7736	.SPRING, YOKE 0141-27-27.08.....	1
7	XDHZZ	62445	110 7713	.CIRCLIP 8X0, 8 DIN 471 .....	1
8	XDHZZ	62445	223 4048	.LEVER, STOP .....	1
9	XDHZZ	62445	335 7737	.SPRING 0141-27-27.13 .....	1
10	XDHZZ	62445	335 7098	.PIN, THREADED 0141-01-71.16 .....	1
11	XDHZZ	62445	116 5975	.SEAL-O 5X2 H 721 .....	1
12	XDHZZ	62445	223 6454	.PLUNGER .....	1
13	XDHZZ	62445	223 6455	.BUSH .....	1
14	XDHZZ	62445	213 8618	.PIN, THREADED .....	4
15	PBOZZ	62445	117 4271	.CAP, FILLER OPENING .....	1
16	PAOZZ	62445	117 4272	.GASKET H2875-36X49X2, 5-ACM .....	1
17	XDHZZ	62445	223 4200	.BOLT, HEX .....	1
18	XDHZZ	62445	336 3948	.WASHER, FLAT 0150-44-01.48 .....	1
19	XDHZZ	62445	121 1206	.WASHER 2 308 A 51 .....	1
20	XDHZZ	62445	110 7613	.COVER .....	1
21	XDHZZ	62445	223 7883	.SHAFT .....	1
22	XDHZZ	62445	223 0030	.BUSH, THREADED .....	1
23	XDHZZ	62445	111 8647	.GASKET A 8X11, 5 DIN 7603-CU .....	2
24	XDHZZ	62445	110 7600	.NUT, HEX .....	1
25	PAHZZ	62445	116 3273	.SEAL, SHAFT LS 30X42X7/8 H2940 AC.....	1
26	XDHZZ	62445	116 1639	.SLEEVE, NEEDLE .....	1
27	XDHHH	62445	223 6463	.COVER, FRONT .....	1
28	XDHZZ	62445	117 3729	.WASHER G 5X9X2 H 2939 .....	2

END OF FIGURE

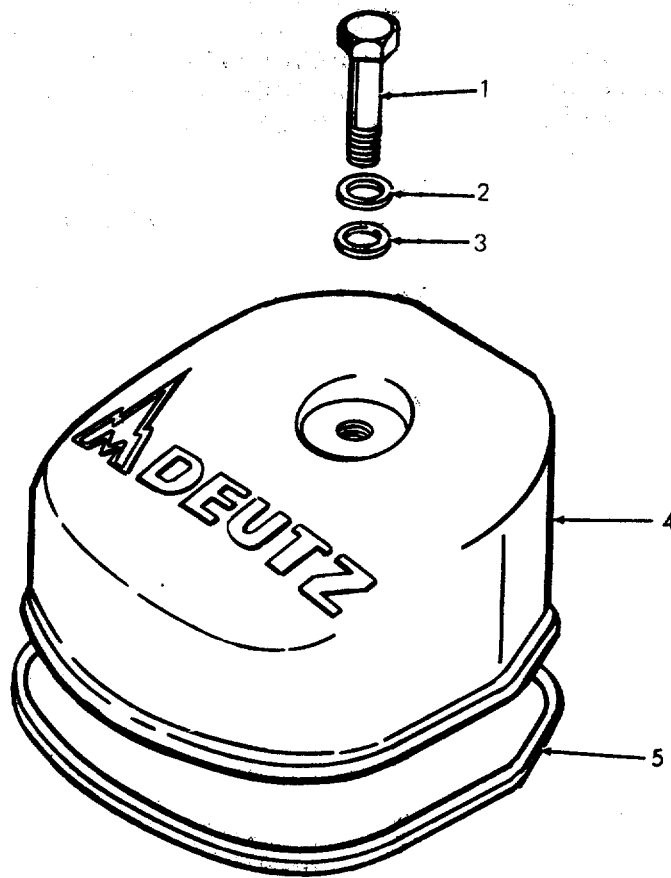


Figure 47. Rocker Chamber Cover

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR	FSCM	PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE		NUMBER		
GROUP 15 ENGINE ASSEMBLY					
FIG. 47 ROCKER CHAMBER COVER					
1	PAOZZ	62445	1112341	.BOLT, MACHINE M 8X 30 DIN 931- 8.8-..... A4C4	1
2	PAOZZ	62445	110 7101	.WASHER, FLAT A 8, 4DIN 125-ST-A4C .....	
3	PAOZZ	62445	121-6307	.WASHER, SHOULDERED 2 914 A 8.....	1
4	XDOZZ	62445	223 4784	.COVER .....	1
5	PAOZZ	62445	337 1692	.GASKET.....	1

END OF FIGURE

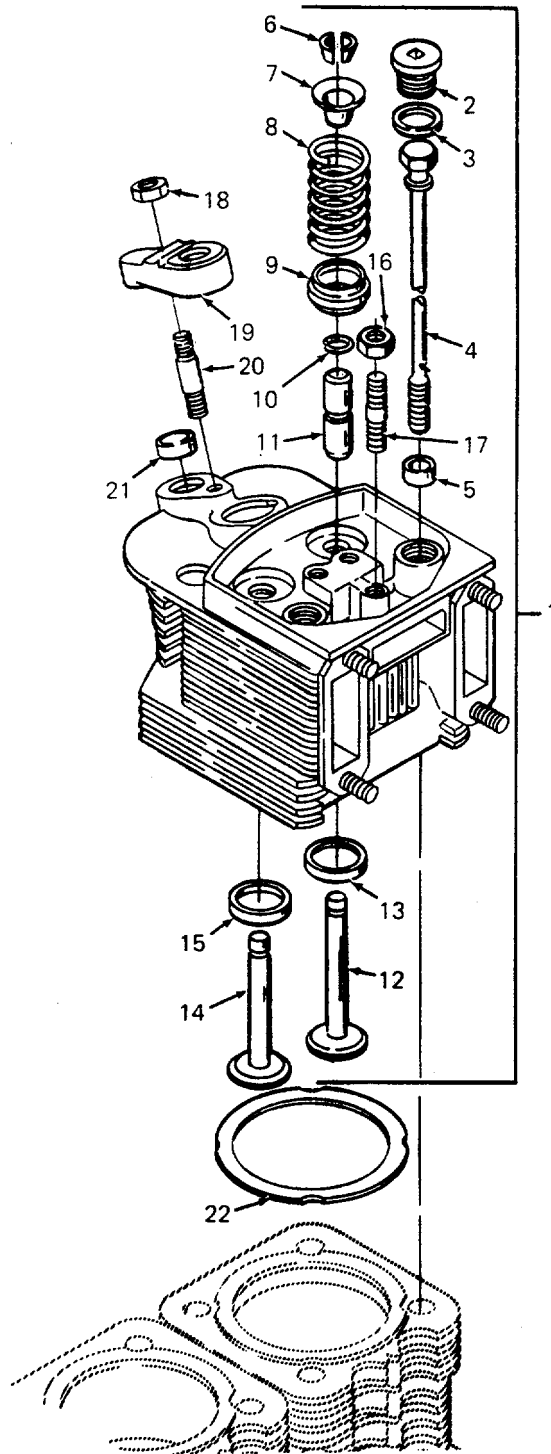


Figure 48. Cylinder Head Assembly

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR	FSCM	PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE		NUMBER		
GROUP 15 ENGINE ASSEMBLY					
FIG. 48 CYLINDER HEAD ASSEMBLY					
1	PBFHZ	62445	223 9097	..CYLINDER HEAD, DIESE .....	1
2	XDFZZ	62445	213 6596	..PLUG, SCREW .....	2
3	XDFZZ	62445	111 8760	..WASHER A 26 X 31 DIN 7603-CU .....	2
4	PAFZZ	62445	223 3774	..BOLT, EXTERNALLY REL .....	4
5	PAFZZ	36719	3371666	..WASHER 0155-08-03.28 .....	4
6	XDFZZ	62445	116 8817	..LOCK, VALVE SPRING R .....	4
7	XDFZZ	62445	337 1748	..CAP, SPRING .....	2
8	XDFZZ	62445	336 9305	..SPRING, COMPRESSION .....	2
9	XDFZZ	62445	213 1029	..ROTATOR, VALVE .....	2
10	XDFZZ	62445	121 5500	..RING, RETAINING .....	2
11	XDHHH	62445	223 2528	..GUIDE, VALVE NORMAL 15.00MM RD .....	2
				(0.5906IN.)UEBERM.POS.950-951 .....	
12	PAFHH	62445	223 7221	..VALVE, POPPET, ENGINE .....	1
13	XDHDD	62445	213 7305	..RING, SEAT INSERT .....	1
				F.EINL.3.UEBERM.45, 96MM RD (1.8094 .....	
				IN.) .....	
14	PAFHH	62445	213 7301	..VALVE, POPPET, ENGINE .....	1
15	XDHDZ	62445	213 7302	..SEAT, VALVE F.EINL.NORMAL 45, 66MM .....	1
				RD (1.7976IN.)UEBERM.POS.952-954 .....	
16	PAFZZ	62445	112-2477	..NUT, PLAIN, HEXAGON M 8 DIN 934-M.....	3
				8 A4C .....	
17	PAFZZ	62445	12 4753	..STUD, PLAIN M 8 SN4X 55 DIN 835-.....	3
				8.8 .....	
18	PAFZZ	62445	110 2659	..NUT, PLAIN, HEXAGON M10 DIN 934-M.....	1
				8 A4C .....	
19	XDFZZ	62445	213 7591	..ROCKER ARM, ENGINE P .....	1
20	XDFZZ	62445	113 5976	..STUD M10 SN4X 65 DIN 835- 6.8.A4C .....	1
21	XDHZZ	62445	213 7580	..PINN .....	1
22	PAFZZ	62445	223 0216	..SPACER, RING .....	1

END OF FIGURE

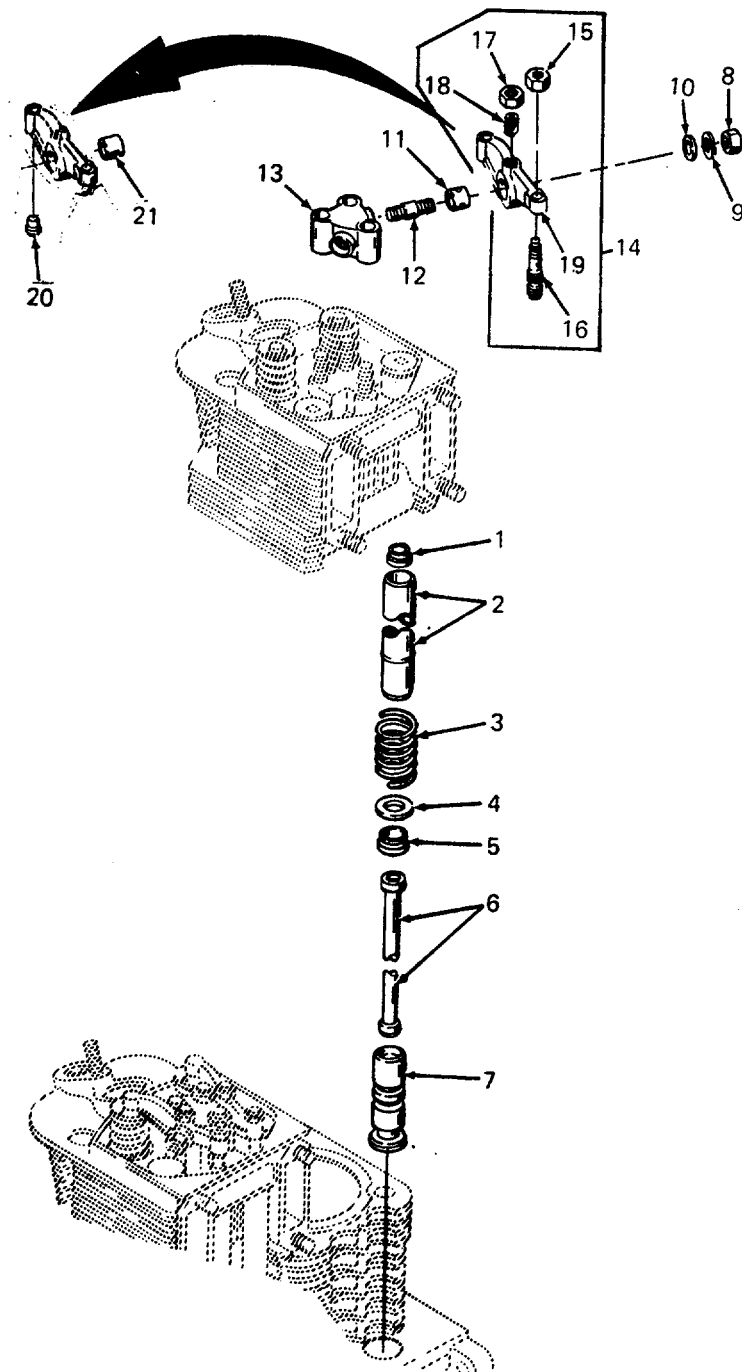


Figure 49. Tappets, Pushrods , and Rocker Arms

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR	FSCM	PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE		NUMBER		
GROUP 15 ENGINE ASSEMBLY					
FIG. 43 TAPPETS, PUSHRODS AND ROCKER ARMS					
1	PAFZZ	62445	223 3685	.SEAL, PLAIN ENCASED .....	2
2	XDFZZ	62445	223 3705	.TUBE, COVER .....	2
3	XDFZZ	62445	337 1876	.SPRING, HELICAL 0155-11-10.18 .....	2
4	XDFZZ	62445	223 3686	.WASHER .....	2
5	PAFZZ	62445	223 3681	.SEAL, PLAIN ENCASED .....	2
6	XDFZZ	62445	223 3683	.PUSHROD .....	2
7	XDFHH	62445	223 3682	.TAPPET .....	2
8	XDFZZ	62445	110 2659	.NUT, PLAIN, HEXAGON M10 DIN 934-M 8..... A4C .....	2
9	XDFZZ	62445	110 2800	.WASHER, LOCK A 10 DIN 128 A4C .....	2
10	XDFZZ	62445	121 6080	.WASHER 2 306 A 6 .....	2
11	XDFZZ	62445	223 7665	.SHAFT .....	
12	XDFZZ	62445	111 3476	.STUD MIOX 35 DIN 939- 8.8 A4C .....	2
13	XDFZZ	62445	337 1867	.BRACKET, ROCKER .....	1
14	XDFZZ	62445	223 0849	.ROCKER ARM, ENGINE P .....	2
15	XAFZZ	62445	111 3146	..NUT MIOX1 DIN 936-M5S .....	2
16	XAFZZ	62445	336 5861	..SCREW, , ADJUSTING 0152-11-04.08 .....	2
17	XAFZZ	62445	111 2813	..NUT, PLAIN, HEXAGON M 6 DIN 934-M..... 8 A4C .....	2
18	XAFZZ	62445	337 1845	..NOZZLE, OIL. ....	2
19	XAFZZ	62445	223 0852	..ARM, ROCKER .....	1
20	PAFZZ	62445	213 9600	...PAD, THRUST, ROCKER A .....	1
21	XDFZZ	62445	223 7661	...BUSH, BEARING .....	1

END OF FIGURE



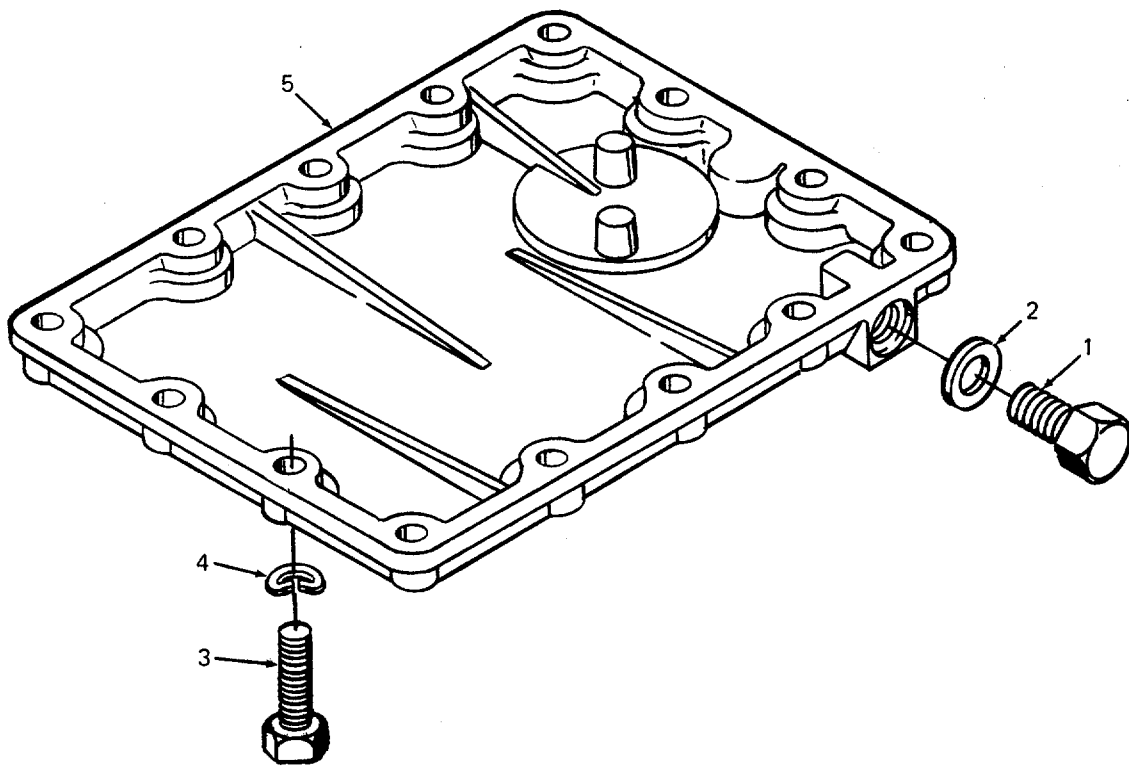


Figure 50. Bottom Cover

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR	FSCM	PART	DESCRIPTION AND USABLE ON CODES(UOC)	QTY
NO	CODE		NUMBER		
GROUP 15 ENGINE ASSEMBLY					
FIG. 50 BOTTOM COVER					
1	PAOZZ	62445	223 3994	.PLUG, MACHINE THREAD .....	1
2	PAOZZ	62445	111 8673	.GASKET A 12 X 15, 5DIN 7603-CU .....	1
3	XDFZZ	62445	111 2266	.BOLT, HEX M 6X22 DIN 933-8.8-A4C .....	14
4	XDFZZ	62445	112 6726	.WASHER, SPRING B6 DIN 137-A4C .....	14
5	XDFFF	62445	223 3991	.COVER.....	1

END OF FIGURE

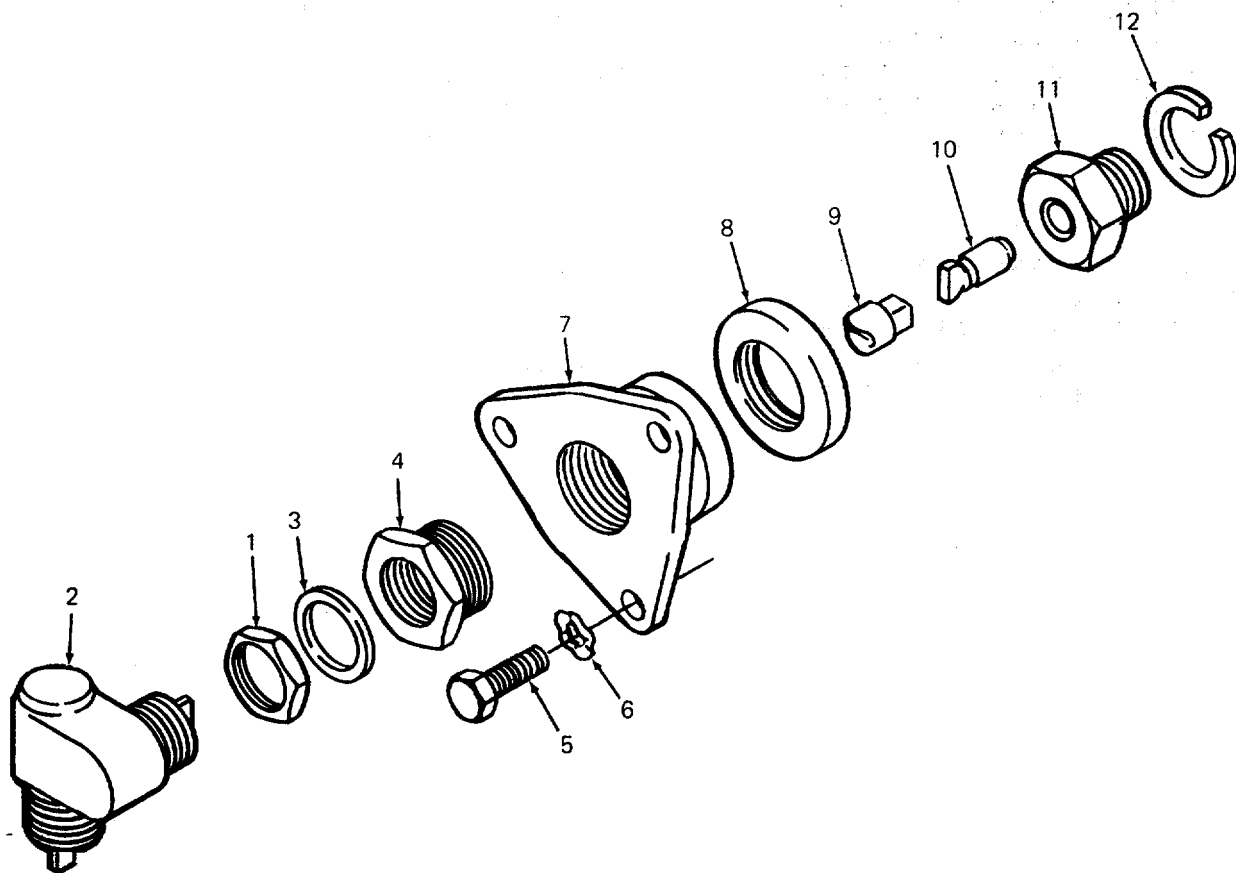


Figure 51. Tachometer Drive

## SECTION II

TM 5-4320-302-24P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 51 TACHOMETER DRIVE					
1	XDFZZ	62445	224 7094	.NUT, PLAIN, HEXAGON .....	1
2	XDFZZ	62445	117 4541	.DRIVE, ANGLE .....	1
3	XDFZZ	62445	216 7770	.SPACER, RING .....	1
4	XDFZZ	62445	223 0937	.PLUG, SCREW .....	1
5	XDFZZ	62445	111 2326	.BOLT, HEX M 8X 22 DIN 933- 8.8 A4C.....	3
6	XDFZZ	62445	110 7283	.WASHER, SPRING TENSI B 8 DIN 137.....	3
7	XDFZZ	62445	223 9938	A4C.....	
8	XDFZZ	62445	116 3273	.FLANGE .....	1
9	XDFZZ	62445	216 7769	.SEAL, SHAFT .....	1
10	XDFZZ	62445	213 7015	.DRIVER.....	1
11	XDFZZ	62445	223 9940	.PIN .....	1
12	XDFZZ	62445	110 2803	.BOLT, HEX .....	1
				.WASHER, LOCK A 16 DIN 128 A4C.....	1

END OF FIGURE

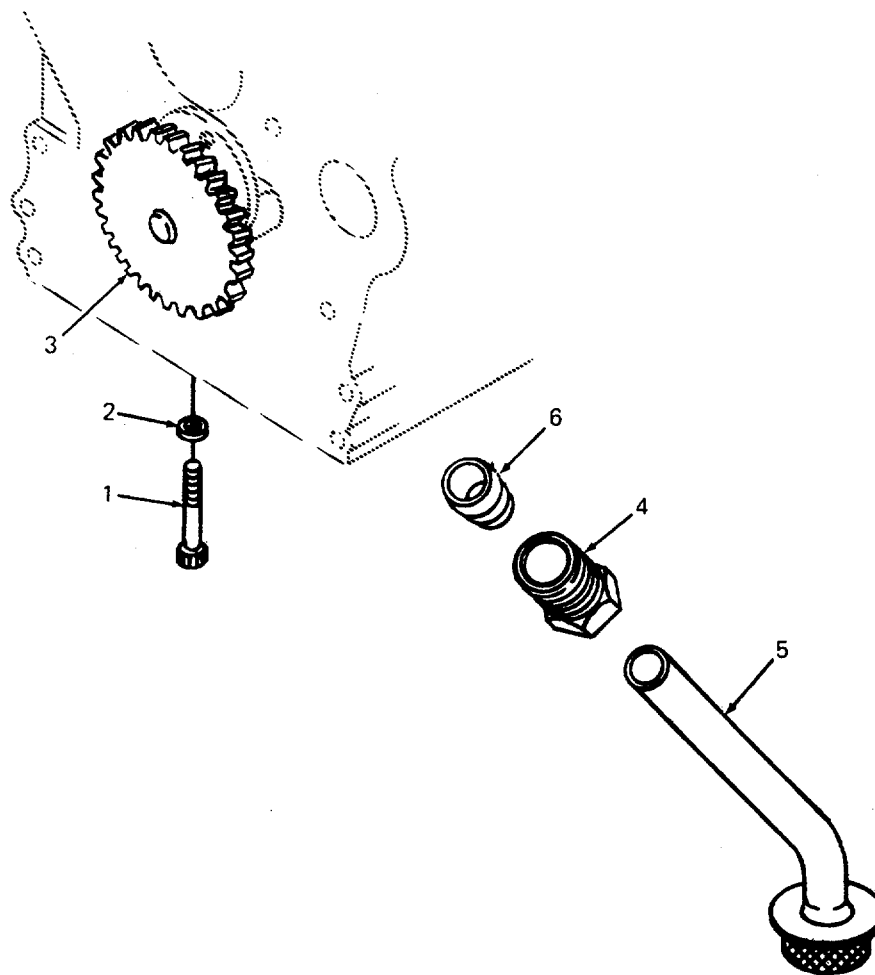


Figure 52. Lube Oil Pump

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 52 LUBE OIL PUMP					
1	XDHZZ	62445	111 0541	.SCREW, CHEESE HEAD M6X60 DIN 912-..... 6. 9 4C.....	1
2	XDHZZ	62445	111 8641	.WASHER, FLAT A 6X10 DIN 7603-CU.....	1
3	XDHHH	62445	223 3688	.PUMP, OIL LUBE .....	1
4	XDHZZ	62445	121 0032	.NUT 3 104 W 12.....	1
5	XDHZZ	62445	223 3719	.PIPE, SUCTION. ....	1
6	XDHZZ	62445	121 0033	.RING, DUPLEX .....	1

END OF FIGURE

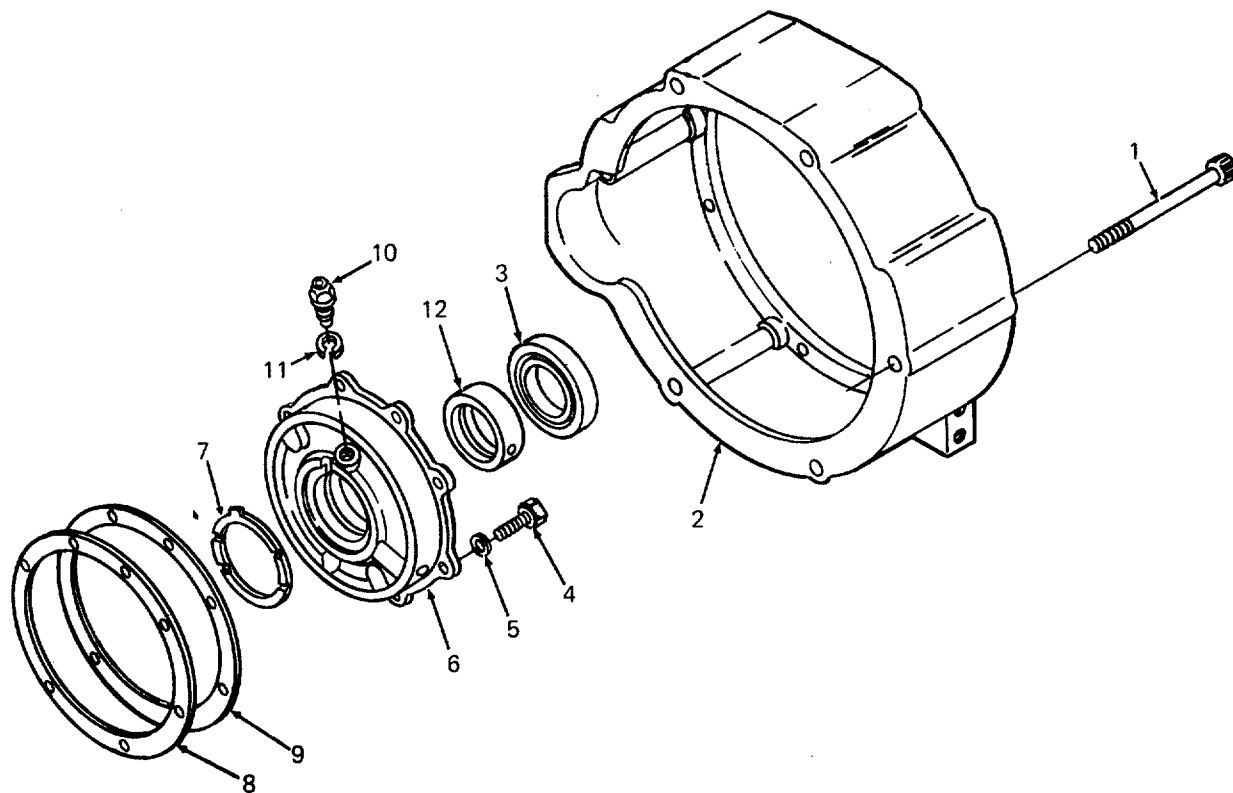


Figure 53. Adapter Housing and Bearing Plate

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 53 ADAPTER HOUSING AND BEARING PLATE					
1	XDHZZ	62445	113 7446	.SCREW, CHEESE HEAD DIN 912- M10..... X137 -10.9-A4C.....	6
2	XDHZZ	62445	224 7539	.HOUSING, ADAPTER .....	1
3	PAHZZ	62445	223 4498	.SEAL, SHAFT .....	1
4	XDHZZ	62445	111 2258	.BOLT, HEX M 6X18 DIN 933-8.8-A4C.....	7
5	XDHZZ	62445	110 2797	.WASHER, LOCK A 6 DIN 128 A4C.....	7
6	XDHZZ	62445	223 3631	.HOUSING, BEARING .....	1
7	XDHZZ	62445	223 4056	.RING, STOP NORMAL 3, 00 MM(0.1181 .....	1
8	XDHZZ	62445	223 3605	.GASKET HOUSING/BEARING PLATE .....	1
9	XDHZZ	62445	223 3996	.GASKET HOUSING/BEARING PLATE .....	4
10	XDHZZ	62445	223 9584	.NOZZLE .....	1
11	XDHZZ	62445	111 9611	.WASHER, LOCK 8DIN 7980 VZKC.....	1
12	XDHZZ	62445	223 3710	.BUSH, BEARING NORMAL64, 00..... MMRD(2.5197 IN.) UEBERMASST.POS.950- .....	1
				952.....	

END OF FIGURE



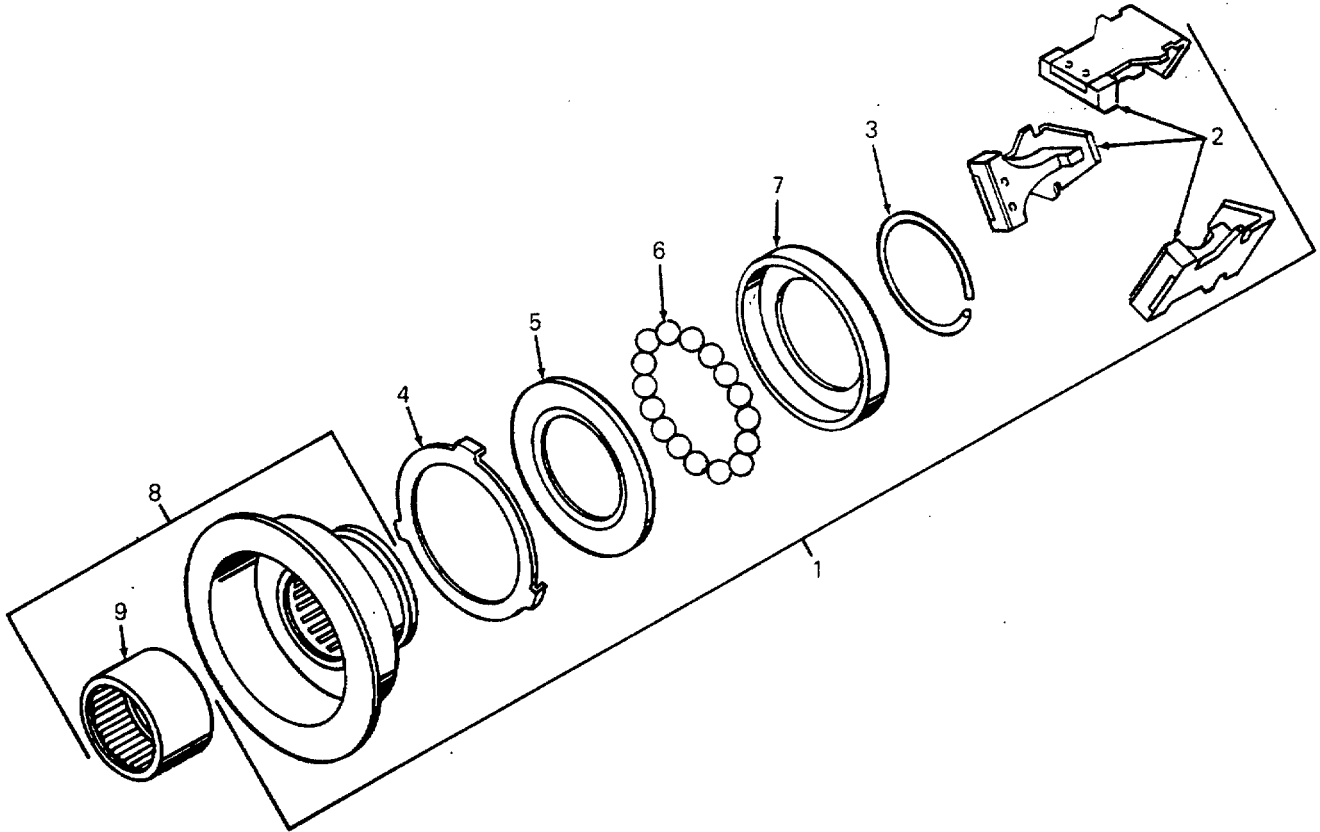


Figure 54. Governor Assembly

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 54 GOVERNOR ASSEMBLY					
1	PAHDD	62445	223 3907	.GOVERNOR, DIESEL ENG .....	1
2	XDHZZ	62445	223 3736	..FLYWEIGHT .....	3
3	XDHZZ	62445	116 4216	..RING, SNAP .....	1
4	XDHZZ	62445	213 9557	..WASHER.....	2
5	XDHZZ	62445	223 0063	..RING, INSIDE .....	1
6	XDHZZ	62445	111 6956	..BALL 8MM III DIN 5401 .....	20
7	XDHZZ	62445	223 0064	..RACE, OUTER .....	1
8	XDHZZ	62445	223 3913	..CUP.....	1
9	XDHZZ	62445	117 0831	...SLEEVE, NEEDLE.....	1

END OF FIGURE

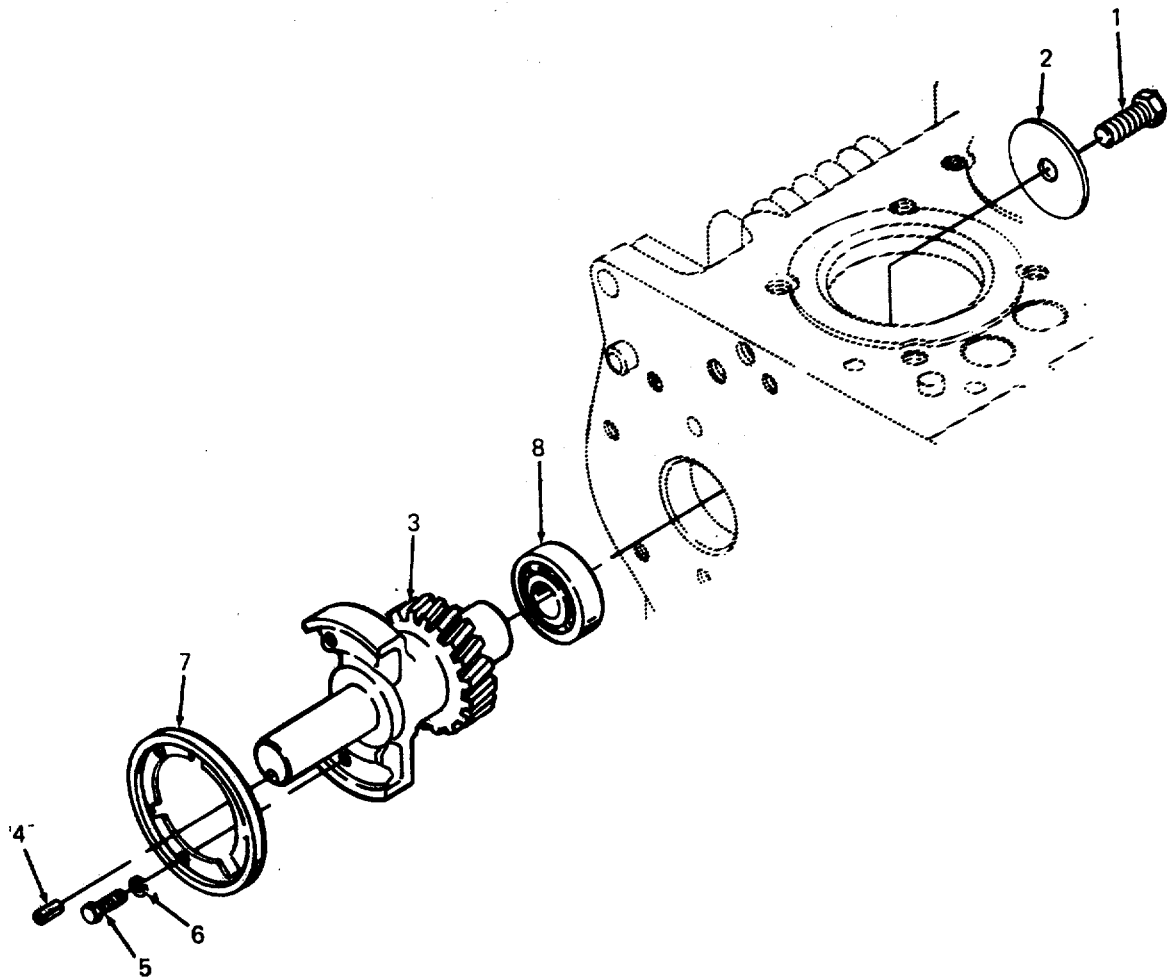


Figure 55. Drive Shaft

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 55 DRIVE SHAFT					
1	XDHZZ	62445	110 2664	.BOLT, HEX M6X45 DIN 931-8.8-A4C.....	1
2	XDHZZ	62445	213 6035	.WASHER .....	1
3	XDHHH	62445	223 3922	.SHAFT, DRIVE.....	1
4	XDHZZ	62445	111 5406	.SLEEVE, DOWEL.....	1
5	XDHZZ	62445	111 2232	.BOLT, HEX M6X10 DIN 933-8.8-A4C.....	2
6	XDHZZ	62445	111 9609	.WASHER, LOCK 6DIN 7980 VZKC.....	2
7	XDHZZ	62445	223 3926	.PLATE, GUIDE.....	1
8	PBHZZ	62445	110 0960	.BEARING, BALL, ANNULA.....	1

END OF FIGURE

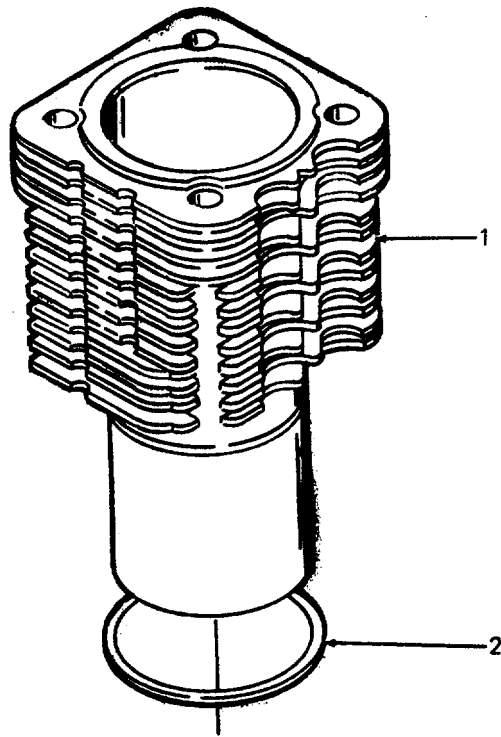


Figure 56. Cylinder

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 56 CYLINDER					
1	XDHHH	62445	223 4078	.CYLINDER .....	1
2	XDHZZ	62445	213 7256	.SHIM. ....	4
END OF FIGURE					

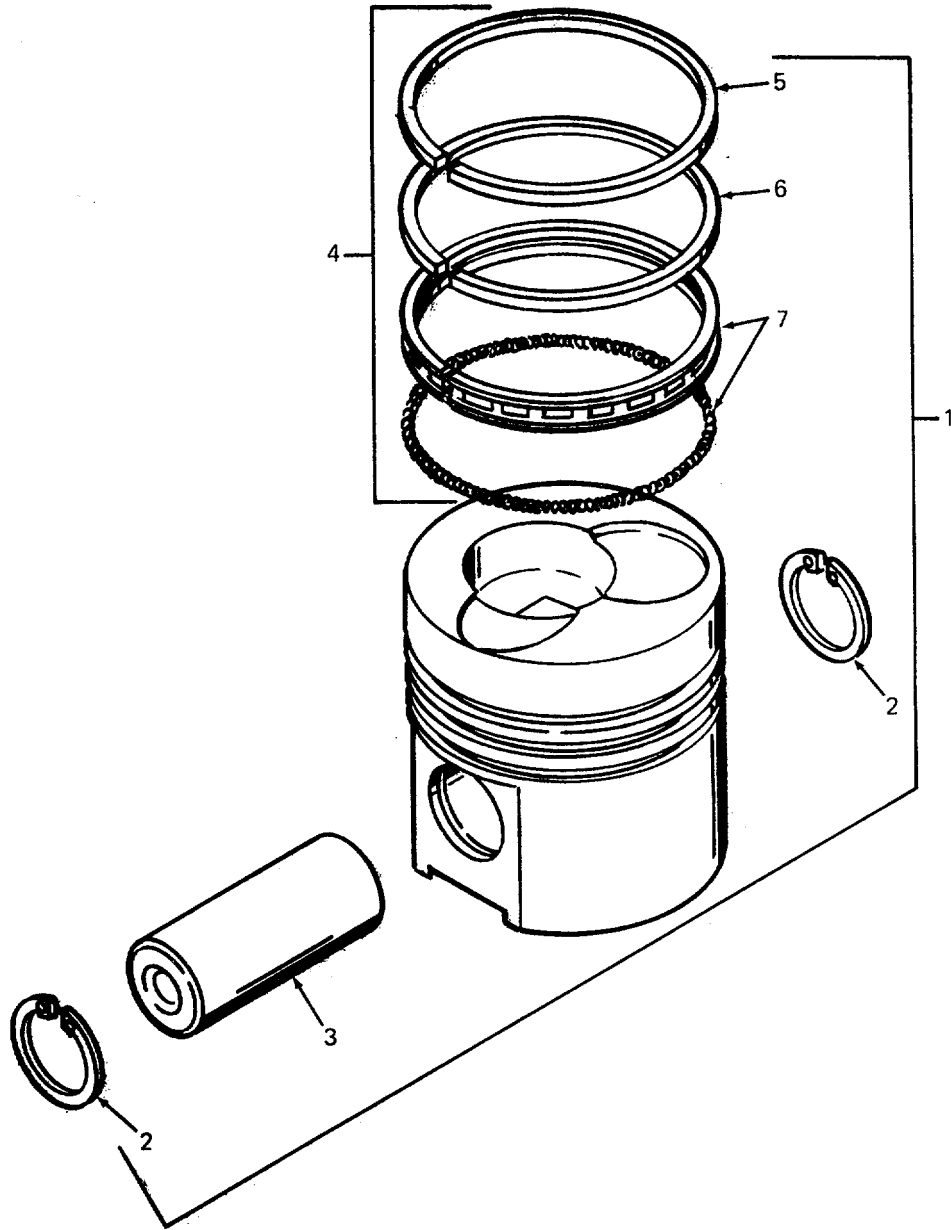


Figure 57. Piston Assembly

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 57 PISTON ASSEMBLY					
1	PBH HH	62445	415 2197	PISTON ASSEMBLY NORMAL 100, 00MM..... RD (3.937IN) UE BERM.POS.950-951 .....	1
2	XDH ZZ	62445	110 7821	CIRCLIP 35X1, 5 DIN 472 .....	2
3	XDH ZZ	62445	223 3660	PIN, PISTON .....	1
4	PAH ZZ	62445	223 9262	RING SET, PISTON NORMAL 100 MM RD .....	1
5	XAH ZZ	62445	116 1084	(3.9370 IN.) UE BERM.POS.952-953 .....	1
				RING, PISTON TAPER 100 X 91, 4X 2, .....	1
				5H 2959 FE NORMAL 100 MM RD (3.9370..... IN.) UE BERM.POS.954-955 .....	1
6	XAH ZZ	62445	116 2302	RING, TRAPEZOIDAL .....	1
7	XAH ZZ	62445	116 1089	RING, CONTROL OIL SF 100X90, 9X5..... H 2984 CR NORMAL 100 MM RD (3.9370 .....	1
				IN.) UE BERM.POS.956-957 .....	

END OF FIGURE



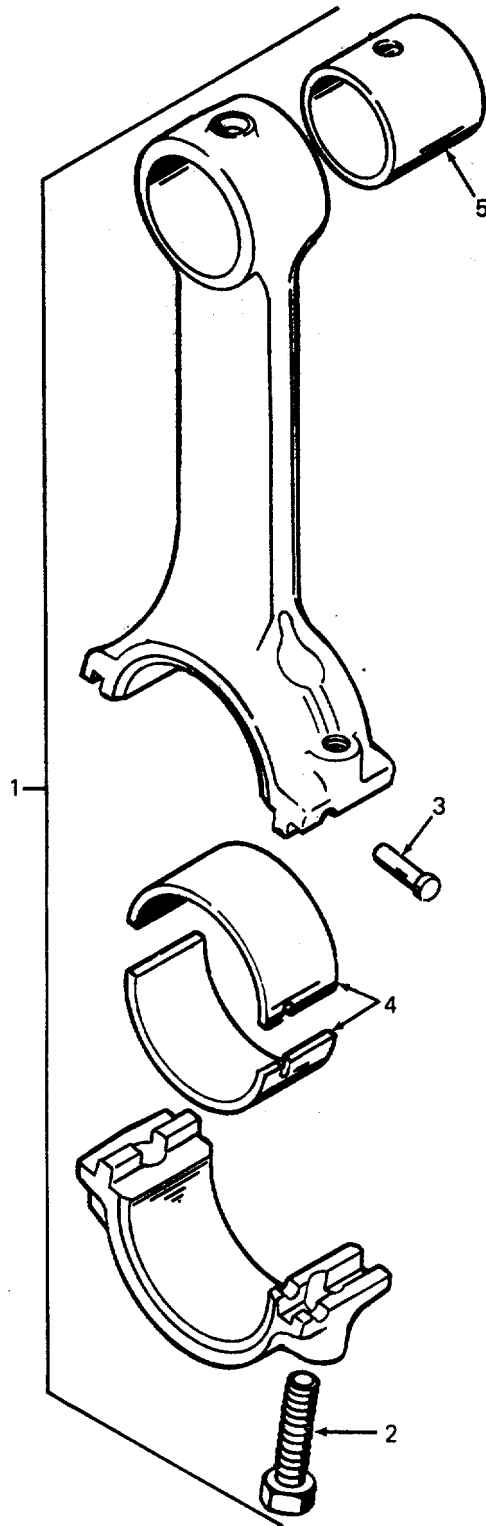


Figure 58. Connecting Rod Assembly

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 58 CONNECTING ROD ASSEMBLY					
1	XDHHH	62445	223 4013	.ROD, CON NECTING .....	1
2	XDHZZ	62445	223 3656	..BOLT, HEX .....	2
3	XDHZZ	62445	335 7249	..PIN .....	1
4	PAHZZ	62445	223 4014	..BEARING HALF SET, SL NORMAL 52, 04 .....	1
				MM RD (2.0488 IN.)	
				UNTERMASST.POS.950-952 .....	
5	PBHZZ	62445	223 3650	..BUSHING, SLEEVE .....	1
END OF FIGURE					

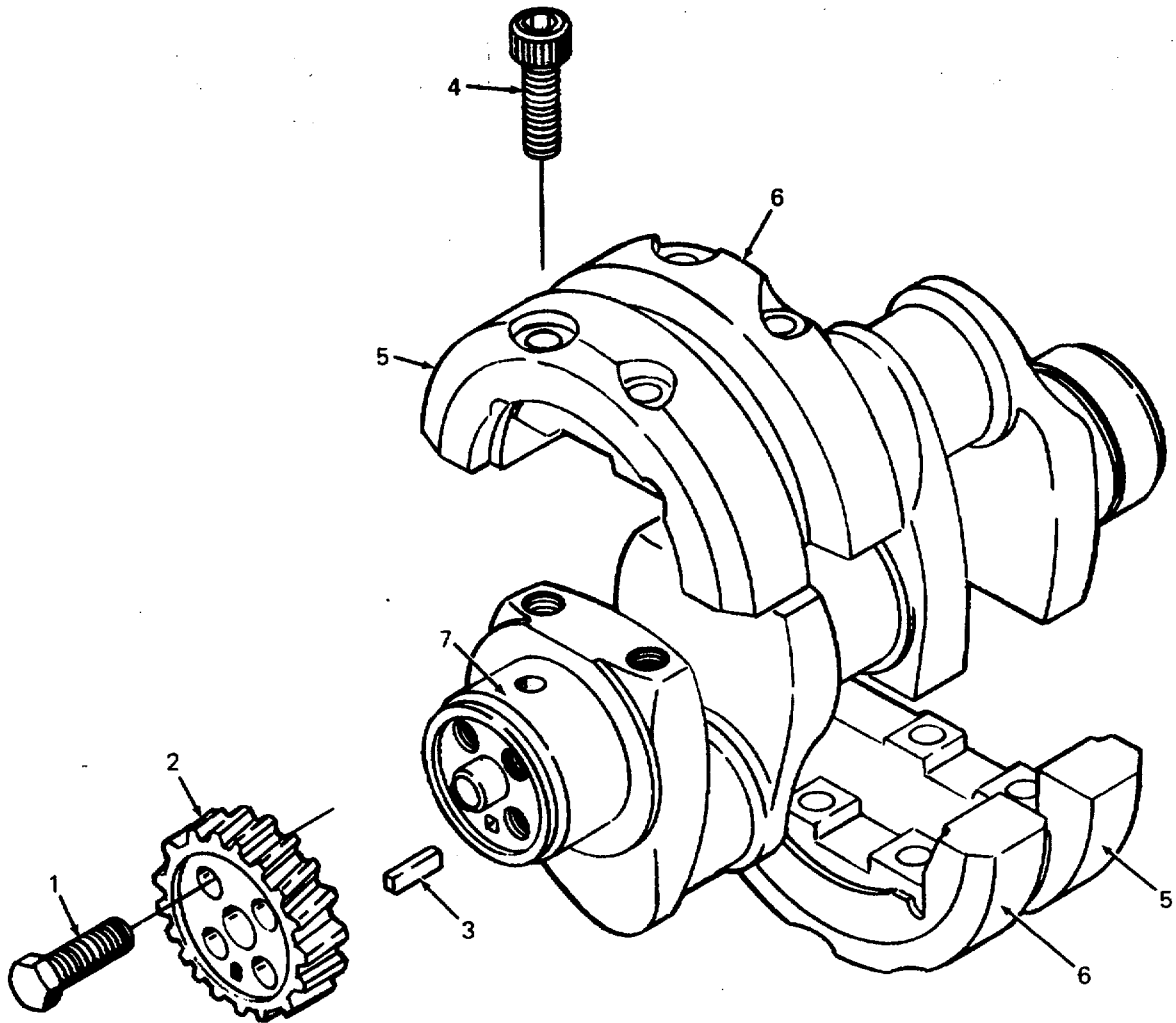


Figure 59. Crankshaft Assembly

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 59 CRANKSHAFT ASSEMBLY					
1	XDHZZ	62445	112 4832	BOLT, HEX M10OX35 DIN933-10.9-A4C .....	4
2	XDHZZ	62445	223 3817	GEAR .....	1
3	XDHZZ	62445	111 5450	SLEEVE, DOWEL 6X16 DIN 1481.....	1
4	XDHZZ	62445	112 6136	SCREW, CHEESE HEAD MLOX 40DIN 912-.....	8
				10.9 ZNPHRF .....	
5	XDHZZ	62445	223 9438	COUNTERWEIGHT .....	2
6	XDHZZ	62445	223 9437	COUNTERWEIGHT .....	2
7	XDHHH	62445	223 3640	CRANKSHAFT .....	1

END OF FIGURE

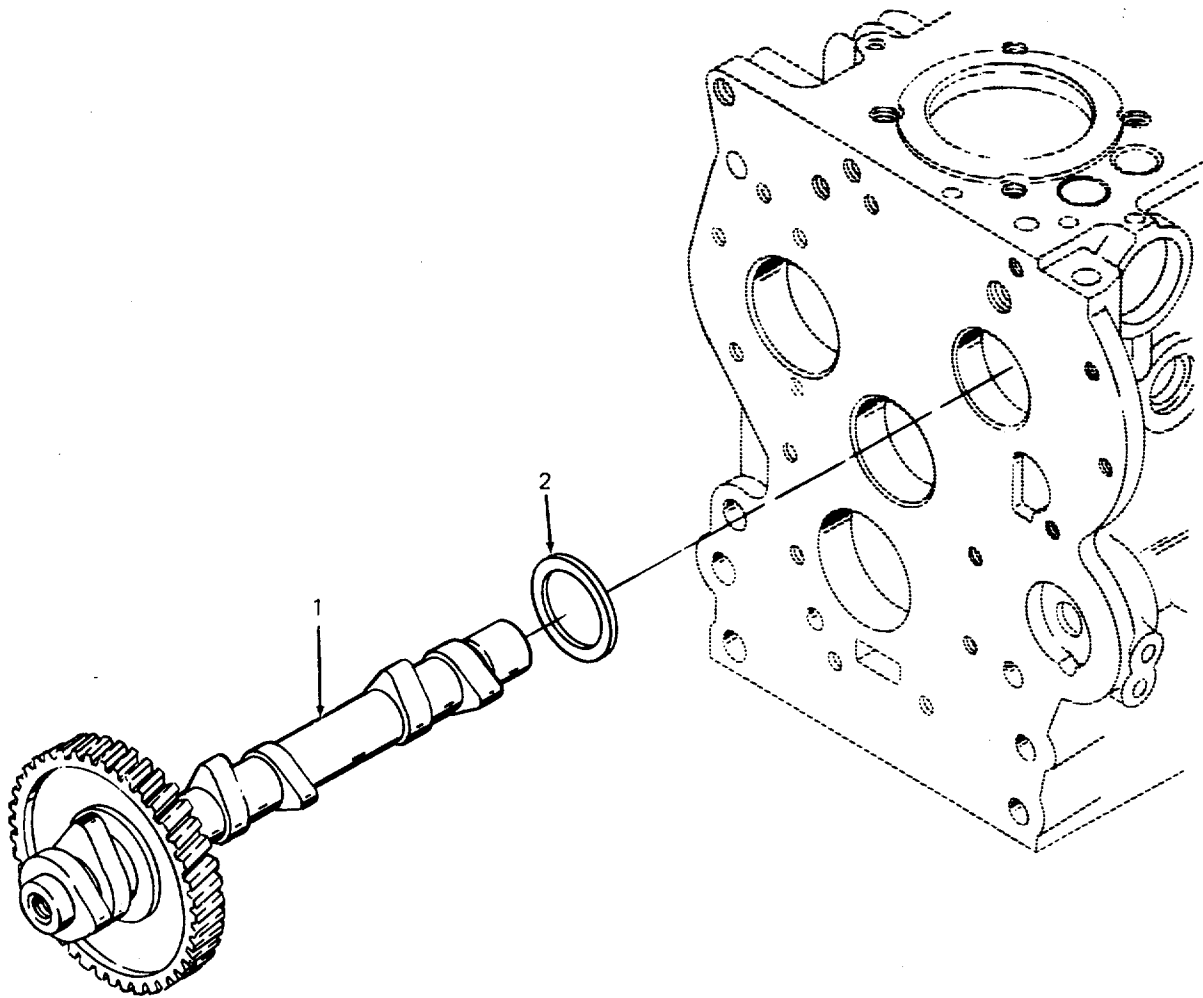


Figure 60. Camshaft

## SECTION II

TM 5-4320-302-24P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 60 CAMSHAFT					
1	XDHHH	62445	223 3672	.CAMSHAFT.....	1
2	XDHZZ	62445	336 7789	.WASHER 0153-10-01.16.....	1
END OF FIGURE					

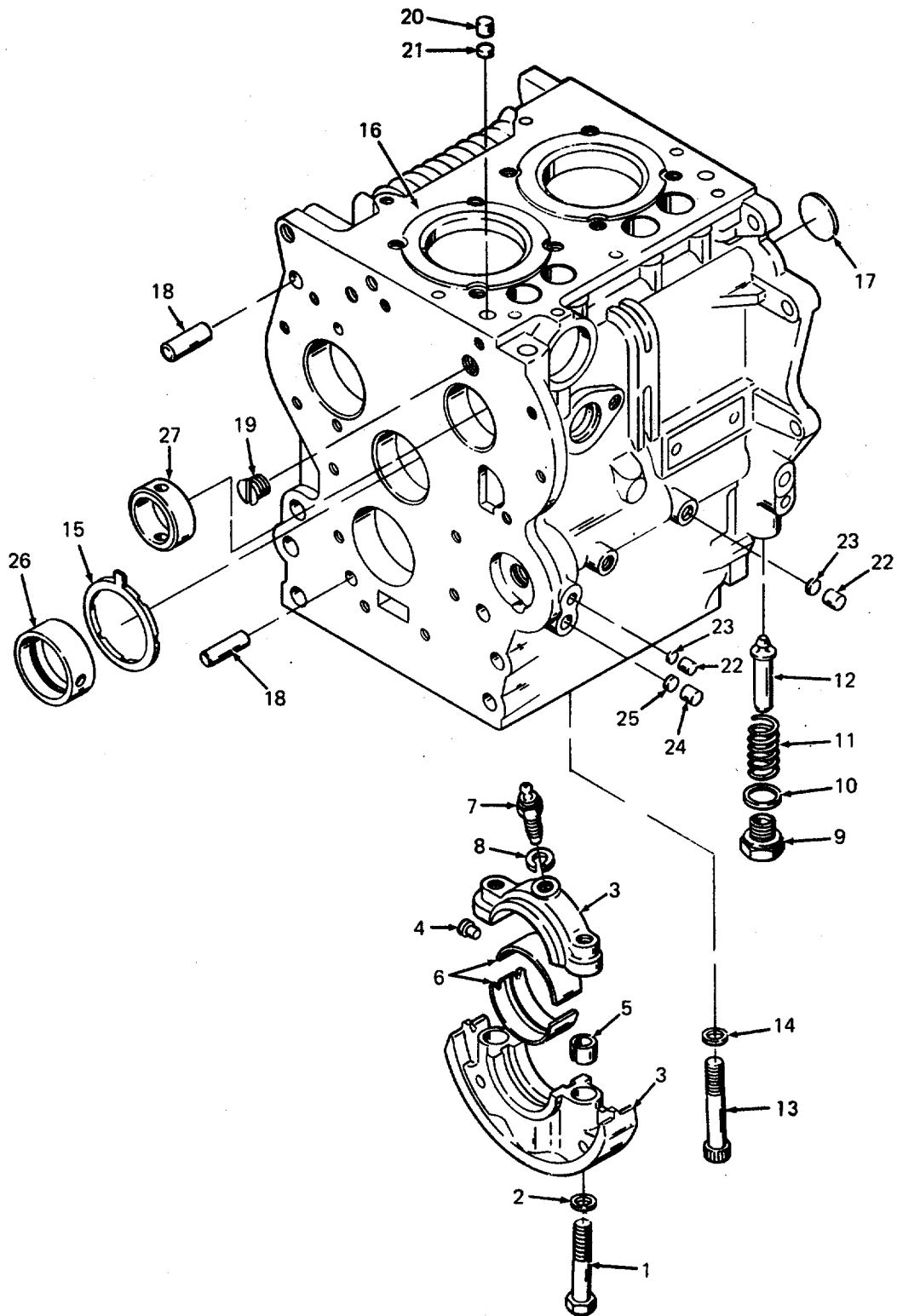


Figure 61. Crankcase Assembly

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 15 ENGINE ASSEMBLY					
FIG. 61 CRANKCASE ASSEMBLY					
1	XDHZZ	62445	111 1545	.BOLT, HEX M12X 90 DIN 931-M 8.8-A4C.....	1
2	XDHZZ	62445	110 7110	.WASHER A 13 DIN 125-ST-A4C.....	1
3	XDHZZ	62445	223 3612	.BRACKET, BEARING.....	1
4	XDHZZ	62445	335 6976	.PIN.....	1
5	XDHZZ	62445	116 7269	.BUSH, CLAMPING .....	2
6	PAHZZ	62445	335 7042	.BEARING HALF SET, SL 0141-01-28.73/.....	1
				74 NORM.60 MM RD(2.3622.....	
				IN.)UNTERM.POS.953-955.....	
7	XDHZZ	62445	223 9584	.NOZZLE .....	1
8	XDHZZ	62445	111 9611	.WASHER, LOCK 8 DIN 7980 A4C .....	1
9	XDHZZ	62445	346 9004	.PLUG, SCREW .....	
10	XDHZZ	62445	111 8706	.WASHER A 16 X 22 DIN 7603-ALU.....	1
11	XDHZZ	62445	337 1384	.SPRING, HELICAL.....	1
12	XDHZZ	62445	337 1383	.CONE, VALVE.....	1
13	XDHZZ	62445	110 3788	.SCREW, CHEESE HEAD MIOX80 DIN 912-.....	2
				10.9.....	
14	XDHZZ	62445	121 6120	.WASHER H2308-IIX19X1, 5.....	2
15	XDHZZ	62445	223 4056	.RING, STOP NORM.3, 00 MM (0.1181 .....	1
				IN.) UEBERM.950-952.....	
16	XDHHH	62445	223 3608	.CRANKCASE .....	1
17	XDHZZ	62445	121 6241	..PLUG, DISHED.....	1
18	XDHZZ	62445	110 5181	..PIN, PARALLEL 10 M 6X 24DIN 7.....	2
19	XDHZZ	62445	116 5786	..PLUG, SLOTTED .....	1
20	XDHZZ	62445	117 0580	..PLUG .....	2
21	XDHZZ	62445	116 7010	..WASHER.....	2
22	XDHZZ	62445	116 0100	..PLUG.....	2
23	XDHZZ	62445	116 7012	..WASHER .....	2
24	XDHZZ	62445	116 3092	..PLUG .....	1
25	XDHZZ	62445	116 3091	..WASHER .....	1
26	XDHZZ	62445	223 3710	..BUSH, BEARING NORM.64, 00 .....	1
				MM(2.5997 IN.) UEBERM.956-958.....	
27	XDH	62445	213 1938	..BUSH, BEARING, CAM SHAFT .....	1

END OF FIGURE



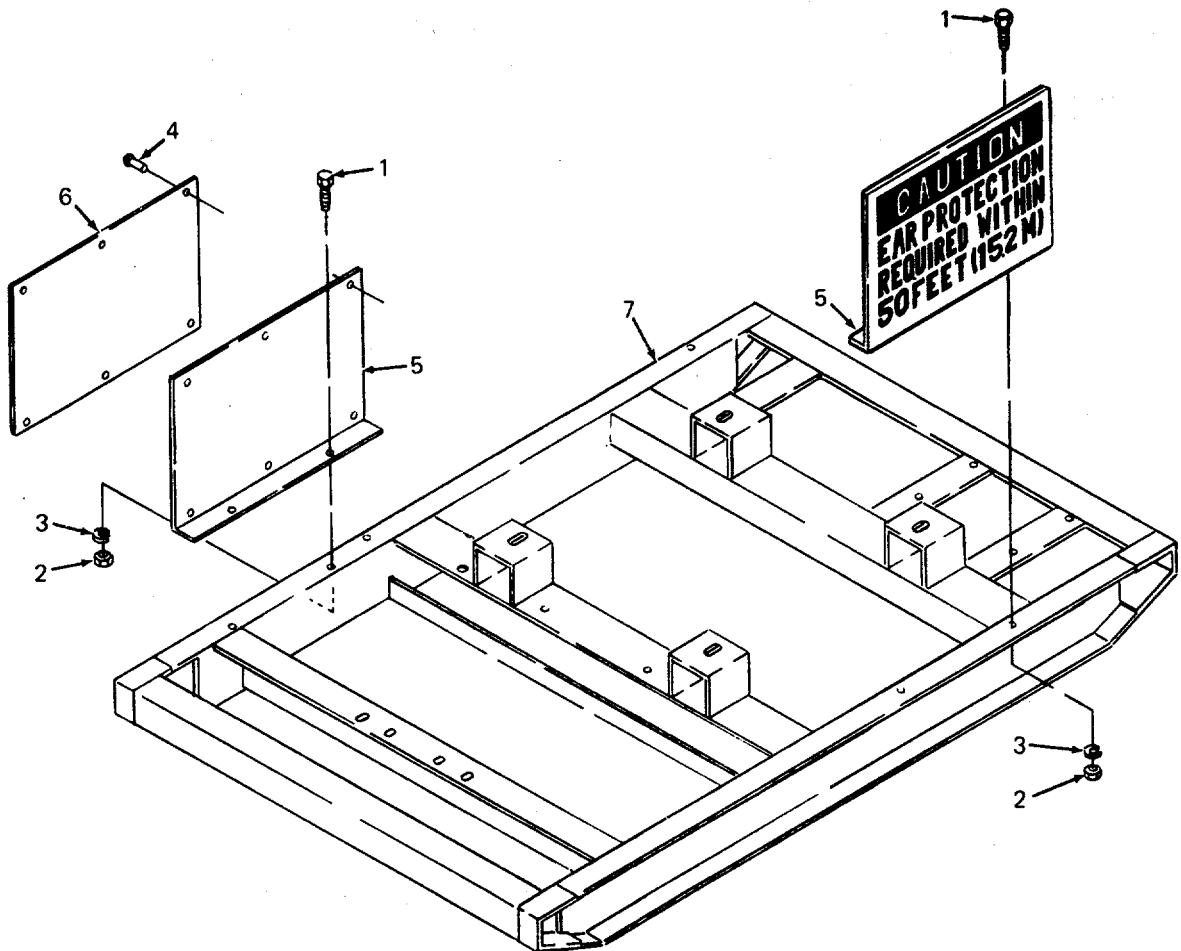


Figure 62. Skid Assembly

SECTION II

TM 5-4320-302-24P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 16 SKID ASSEMBLY					
FIG. 62 SKID ASSEMBLY					
1	XDOZZ	05748	02201	SCREW, CAP HEX HEAD 1/4-20X5/8 IN .....	4
2	XDOZZ	05748	28381	NUT, HEX 1/4-20 .....	4
3	XDOZZ	05748	02601	WASHER, LOCK 1/4 IN.ID .....	4
4	XDOZZ	05748	62638	RIVET, BLIND .....	12
5	XDOZZ	05748	74146	PLATE, MOUNTING .....	2
6	XDOZZ	05748	73479	PLATE, WARNING.....	2
7	XDFFF	05748	76461SA	SKID.....	1
END OF FIGURE					

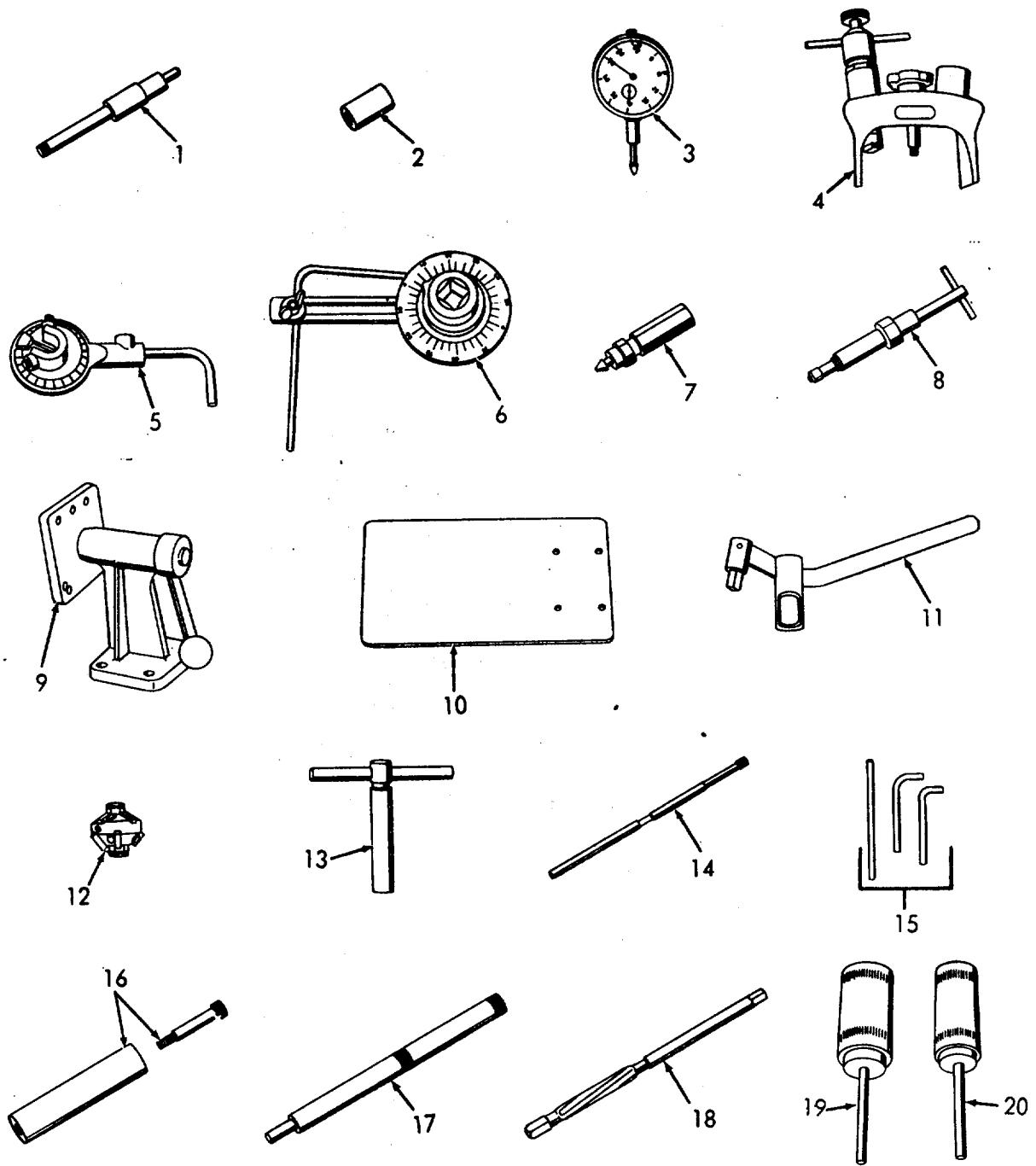


Figure 63. Special Tools (Sheet 1 of 2)

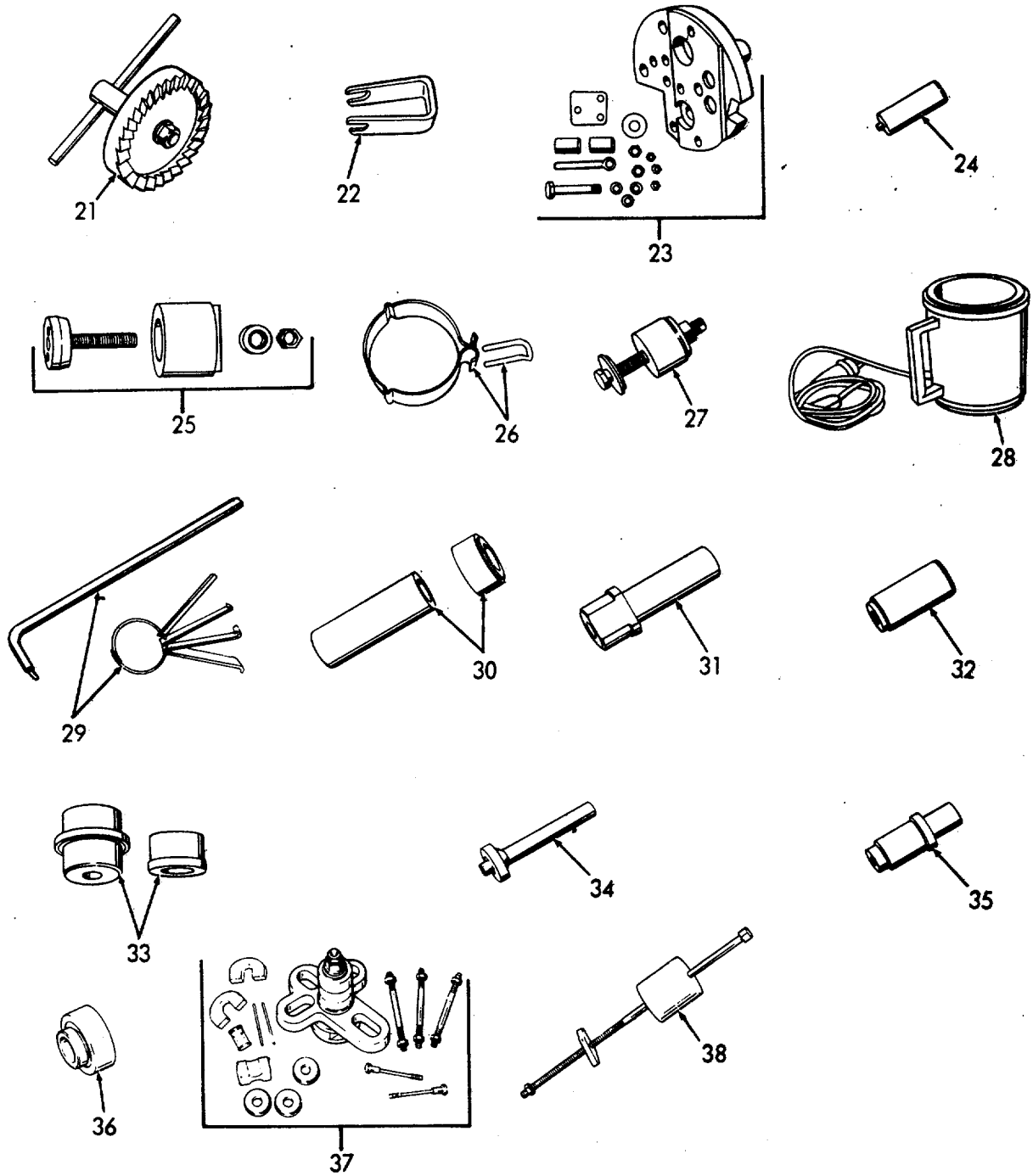


Figure 63. Special Tools (Sheet 2 of 2)

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
GROUP 18 SPECIAL TOOLS					
FIG. 63 SPECIAL TOOLS					
1	PDFZZ	62445	003 0603	FITTING, COMPRESSION CHECK .....	
2	PDFZZ	62445	003 1091	FITTING, COMPRESSION CHECK .....	
3	PDFZZ	62445	003 0543	GAGE, DEPTH, DIAL IND .....	
4	PDFZZ	62445	003 0498	ADJUSTING DEVICE TDC .....	
5	PDFZZ	62445	003- 0500	INDICATOR, DIAL CYLINDER HEAD BOLTS. ....	
6	PDFZZ	62445	003 1102	WRENCH, TORQUE MAIN BEARINGS AND .....	
				FLYWHEEL BOLTS .....	
7	PDFZZ	62445	003- 0463	PULLER, MECHANICAL .....	
8	XDFZZ	36719	120 630	REMOVAL TOOL INJECTOR .....	
9	PDFZZ	62445	003 0562	STAND, CLAMPING CYLINDER HEAD .....	
10	PDFZZ	62445	003 0794	PLATE, CLAMPING CYLINDER HEAD .....	
				CLAMPING STAND .....	
11	PDFZZ	62445	003- 0504	COMPRESSOR, VALVE SP SPRING .....	
12	PDFZZ	62445	003 0784	CUTTER, VALVE SEAT RING .....	
13	PDFZZ	62445	003 1043	WRENCH, SOCKET .....	
14	PDHZZ	62445	003 0636	PILOT, VALVE SEAT RE 8 MM .....	
15	PDHZZ	62445	003 1044	HANDLES, MANDREL VALVE GUIDE .....	
16	PDHZZ	62445	003 1234	MANDREL, VALVE SEAT RING .....	
17	PFHZZ	62445	003 0453	MANDREL 8 MM .....	
18	PFHZZ	62445	003 0452	REAMER 8 MM .....	
19	PFHZZ	36719	003- 0441	MANDREL, EXPANSION RING .....	
20	PDHZZ	62445	003 0620	MANDREL, EXPANSION RING .....	
21	PDHZZ	62445	003 0426	CUTTING DEVICE HEAD SEALING SURFACE .....	
22	PDFZZ	62445	003 0501	COMPRESSOR, PUSHROD TUBE .....	
23	PDHZZ	62445	003 0621	FIXTURE, LATHE CYLINDER HEAD .....	
24	PDHZZ	62445	003 0438	GAGE, GROOVE PISTON RING .....	
25	PDHZZ	62445	003- 0430	COMPRESSOR, PISTON R RING 100 MM .....	
26	PDHZZ	62445	003 0443	INSERTER, GASKET RING .....	
27	PDHZZ	62445	131310	INSERTER, GUDGEON PIN BUSH .....	
28	PDHZZ	62445	003 0414	UNIT, HEATING PISTON .....	
29	PDHZZ	62445	003 0733	REMOVER, PREFORMED P .....	
30	PDHZZ	62445	003 0696	INSTALLER, CAMSHAFT PLUG .....	
31	PDHZZ	62445	143620	MANDREL, BEARING CAMSHAFT .....	
32	PDHZZ	62445	003 0444	MANDREL, CAMSHAFT BEARING .....	
33	PDHZZ	62445	003 0447	MANDREL, MAIN BEARING .....	
34	PDHZZ	62445	003 0449	MANDREL, SEAL DRIVE SHAFT .....	
35	PDHZZ	62445	003 0459	MANDREL, SLEEVE DRIVE SHAFT .....	
36	PDHZZ	62445	003 0484	MANDREL, BEARING DRIVE SHAFT .....	
37	PDHZZ	62445	003 1133	REFACING DEVICE CRANKCASE CYLINDER. ....	
38	PDFZZ	36719	150800	REMOVAL TOOL .....	

END OF FIGURE

SECTION II

TM 5-4320-302-24P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES(UOC)	(6) QTY
				GROUP 17 BULK MATERIAL	
				FIG. BULK	
1	PAOZZ	79470	H10104	...HOSE, NONMETALLIC 1/4 IN ID .....	50
				END OF FIGURE	

**BULK-1**

## CROSS-REFERENCE INDEXES

STOCK NUMBER	FIG.	NATIONAL STOCK NUMBER INDEX		STOCK NUMBER	FIG.	ITEM
		ITEM	STOCK NUMBER			
5310-00-045-3296	6	12	5310-00-732-0558	3	4	
	6	40		11	3	
5310-00-045-3299	6	30		12	6	
6140-00-057-2553	2	1		15	11	
5305-00-068-0500	14	1		18	2	
5305-00-068-0502	17	9		20	1	
5305-00-068-0510	3	5	5310-00-735-3544	16	4	
	11	2	5310-00-761-6882	3	1	
	18	1		14	2	
5305-00-068-7837	14	4	5310-00-763-8920	9	1	
5305-00-071-1788	12	15		12	1	
5305-00-071-2072	20	8	5310-00-809-5998	20	7	
5305-00-071-2505	6	25	5310-00-820-6653	9	2	
5310-00-087-7493	20	4		12	2	
3110-00-156-7887	13	6	5310-00-851-2674	6	34	
4730-00-193-2709	17	14	4730-00-871-6729	6	17	
5310-00-209-0965	12	16	5330-00-871-6915	13	1	
4730-00-221-2137	8	5	5310-00-880-7744	6	44	
5306-00-226-4827	6	43	4730-00-902-8990	8	2	
4730-00-230-2959	1	7	2910-00-911-0081	19	4	
4730-00-266-0538	8	4	5330-00-918-7217	13	7	
4730-00-277-6191	15	1	5310-00-934-9751	6	11	
4730-00-277-9386	19	3	5305-00-984-6193	1	5	
6625-00-286-5437	6	22	5305-00-984-6194	6	39	
5310-00-395-6059	6	26	5305-00-988-1724	10	2	
	17	7	5305-00-989-7434	6	10	
5310-00-407-9566	6	45	5306-01-012-7245	35	2	
5315-00-514-2660	19	5	5330-01-012-8854	50	2	
5325-00-528-6271	6	7	5330-01-012-8860	39	7	
4730-00-541-2780	11	1	5310-01-013-5463	21	17	
5305-00-543-4372	15	9		26	8	
3110-00-554-3184	13	8		42	5	
5310-00-582-5965	3	2		47	2	
	6	27	5310-01-013-5473	48	5	
	14	3	5310-01-013-5628	34	2	
	17	8	5310-01-013-5631	41	4	
5310-00-584-5272	20	9	2815-01-021-9074	48	14	
5310-00-637-9541	3	6	5975-01-052-3489	5	1	
	11	4	2940-01-052-4016	6	24	
	12	7	5340-01-063-1192	17	4	
	15	10	2940-01-066-3577	16	6	
	18	3	5310-01-122-0953	6	8	
	20	2	2815-01-163-8148	35	1	
5930-00-655-1514	6	47	5307-01-164-5516	39	8	
	6	49	5310-01-166-5501	1	6	
4720-00-684-4033	BULK	1		6	29	
5330-00-684-7851	19	6	5330-01-166-6632	47	5	
5930-00-689-6786	6	48	5120-01-167-5726	63	38	
5305-00-701-5059	6	28	2940-01-174-1347	27	1	
5305-00-725-2317	20	3	2910-01-187-2329	38	4	

## CROSS-REFERENCE INDEXES

STOCK NUMBER	FIG.	NATIONAL STOCK NUMBER INDEX		STOCK NUMBER	FIG.	ITEM
		ITEM	STOCK NUMBER			
5330-01-188-0850	28	14	5305-01-246-1400	21	10	
5310-01-188-1000	38	1		26	10	
5310-01-188-1008	35	3	5120-01-247-6128	63	25	
5305-01-190-4585	28	6	5210-01-247-6129	63	5	
5310-01-190-7489	47	3	5120-01-247-6131	63	7	
5120-01-191-4503	63	11	6140-01-248-9954	1	2	
2910-01-192-5907	34	6	6140-01-249-4085	1	3	
2815-01-193-7737	49	20	6140-01-249-4086	1	9	
5306-01-193-9289	47	1	6140-01-249-4087	1	10	
5310-01-193-9303	25	13	5306-01-250-3640	26	15	
	26	16	4720-01-250-3641	28	9	
	36	2	5306-01-250-3659	23	1	
	39	2	3010-01-250-3660	23	2	
	48	16	5305-01-250-3661	25	1	
5310-01-194-4865	41	10	5306-01-250-3662	25	6	
5310-01-194-5922	23	3	5306-01-250-3663	26	6	
5310-01-195-5845	25	4	5305-01-250-3664	34	1	
5365-01-195-8046	25	8	2910-01-250-3665	34	3	
5310-01-196-3870	21	2	5310-01-250-3702	39	4	
	41	11	5315-01-250-3704	12	22	
4730-01-196-9108	19	2	5330-01-250-3710	34	4	
3110-01-198-8043	25	9	5330-01-250-3714	36	6	
5110-01-203-7945	63	18	5305-01-250-3721	41	1	
3460-01-203-7946	63	19	2990-01-250-3723	39	9	
3460-01-203-7947	63	20	5310-01-250-3729	26	11	
5120-01-203-7948	63	21	5310-01-250-3730	28	7	
5120-01-203-7950	63	29	5310-01-250-3731	21	14	
5120-01-203-7951	63	37	5310-01-250-3732	25	2	
5120-01-204-5067	63	4	5310-01-250-3733	26	3	
5210-01-204-5068	63	3	5310-01-250-3734	35	5	
5120-01-204-5071	63	6	5310-01-250-3735	36	3	
5120-01-204-5073	63	17	5310-01-250-3736	39	5	
5360-01-206-2304	41	15	5340-01-250-3739	36	1	
5307-01-207-0170	48	17	5310-01-250-3742	40	2	
5307-01-207-7436	9	4	5310-01-250-3743	39	6	
2910-01-208-4351	34	5	5310-01-250-3744	26	17	
5310-01-209-6984	42	7	5310-01-250-3746	41	2	
5310-01-209-7211	41	3	5305-01-250-3756	40	1	
	48	18	4730-01-250-3758	35	4	
5310-01-212-1431	20	6	3030-01-250-3759	22	1	
2910-01-234-7974	36	4	4730-01-250-3760	28	10	
5310-01-237-2050	21	6	5365-01-250-3765	36	5	
5310-01-237-2763	21	5	6680-01-250-3772	28	13	
5306-01-237-4919	21	1	4330-01-250-3779	31	1	
5310-01-238-8410	11	7	5325-01-250-3780	21	8	
5305-01-239-2283	39	1	2990-01-250-3784	35	7	
5310-01-239-2390	26	2	5910-01-250-7745	43	4	
5325-01-239-7141	21	4	5330-01-250-7746	46	25	
2930-01-241-4901	25	3	5330-01-250-7748	53	3	
5310-01-246-1361	42	2	3110-01-250-7757	55	8	



## CROSS-REFERENCE INDEXES

STOCK NUMBER	FIG.	NATIONAL STOCK NUMBER INDEX		FIG.	ITEM
		ITEM	STOCK NUMBER		
5977-01-250-7760	43	9	5305-01-252-7187	41	6
5310-01-250-7777	41	5	3120-01-253-0354	42	8
5365-01-250-7785	50	1	3120-01-253-0355	42	4
5330-01-250-7787	49	5	5120-01-253-0356	63	1
5330-01-250-7807	46	16	5330-01-253-0385	49	1
5306-01-250-7816	48	4	5310-01-253-0425	5	4
3120-01-250-7826	58	5	2910-01-253-0453	54	1
5310-01-250-7841	41	12	4730-01-253-4292	6	19
5977-01-250-7849	41	16	5306-01-253-4293	6	35
2815-01-250-7850	48	12	5120-01-253-8715	63	35
5310-01-250-7852	43	2	2815-01-253-8744	20	10
5310-01-250-7853	43	6	5120-01-254-1678	63	28
5305-01-250-7857	41	8	5307-01-254-1697	12	17
5305-01-250-7858	43	1	5340-01-254-1698	6	41
5305-01-250-7859	43	5	5930-01-254-7773	6	31
2920-01-250-7862	41	7	5930-01-254-7774	6	32
2920-01-250-7863	43	7	5305-01-254-7810	12	20
5365-01-250-7883	48	22	5330-01-255-2159	28	11
2815-01-250-7887	46	15	2815-01-255-2160	57	1
2920-01-251-2201	40	3	2815-01-255-2205	57	4
5305-01-251-2245	21	13	2815-01-255-2206	48	1
	42	6	4730-01-255-6366	8	6
5305-01-251-2246	42	3	4820-01-255-6367	8	7
5305-01-251-2247	42	9	4730-01-255-6368	8	8
3120-01-251-2267	58	4	4730-01-255-6369	8	9
3120-01-251-2268	61	6	4320-01-255-6370	11	9
2940-01-251-2308	16	5	5330-01-256-0621	10	5
6115-01-251-3801	42	1	5330-01-256-0622	12	4
5360-01-251-3961	43	10	5330-01-256-0623	12	9
5330-01-251-3965	29	9	4910-01-256-0630	63	14
4810-01-251-3997	35	6	5307-01-256-0632	12	5
5310-01-251-6491	26	7	5975-01-258-7519	5	5
3010-01-252-0353	12	21	6680-01-258-7520	5	6
5120-01-252-0355	63	2	6680-01-258-7521	6	15
4910-01-252-0356	63	9	4730-01-258-7533	6	18
5120-01-252-0357	63	10	5120-01-259-9076	63	32
5120-01-252-0358	63	26	5120-01-280-2284	63	12
6620-01-252-0495	6	21			
5120-01-252-3902	63	13			
5120-01-252-3903	63	15			
5120-01-252-3904	63	16			
5120-01-252-3905	63	22			
5120-01-252-3906	63	23			
5120-01-252-3907	63	24			
5120-01-252-3908	63	30			
5120-01-252-3909	63	33			
5120-01-252-3910	63	34			
5340-01-252-3930	39	3			
5120-01-252-6363	63	36			
5120-01-252-6370	63	27			
5120-01-252-6371	63	31			

## CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
61407	A-20		8	20
61407	A-21		8	19
61407	A-22		8	17
61407	A-23-150		8	13
61407	A-27-150		8	12
61407	A-320		8	18
61407	A-334	4820-01-255-6367	8	7
88044	AN933-2	4730-00-541-2780	11	1
D08286	DIN933-M10X30-8. 8-A3L		11	6
18265	FHG06-5104		15	13
62445	F2 L511D, D0251-0 69/00	2815-01-253-8744	20	10
18265	GAH00-1379		15	7
79470	H101		6	20
			6	20
79470	H10104	4720-00-684-4033	BULK	1
19099	MEC87-0042-1	6140-01-248-9954	1	2
19099	MEC87-0042-2	6140-01-249-4085	1	3
19099	MEC87-0042-3	6140-01-249-4086	1	9
19099	MEC87-0042-4	6140-01-249-4087	1	10
96906	MS20913-25	4730-00-221-2137	8	5
96906	MS25036-106		7	4
96906	MS25036-108		4	8
			7	3
96906	MS25036-153		4	2
			7	1
96906	M525036-155		4	7
96906	MS25036-157		4	10
96906	MS27183-13	5310-00-087-7493	20	4
96906	M527183-18	5310-00-809-5998	20	7
96906	MS29523-1.	5315-00-514-2660	19	5
96906	MS35000-1	6140-00-057-2553	2	1
96906	MS35058-22	5930-00-655-1514	6	47
			6	49
96906	MS35206-245	5305-00-984-6193	1	5
96906	MS35206-246	5305-00-984-6194	6	39
96906	M535206-280	5305-00-988-1724	10	2
96906	M535207-263	5305-00-989-7434	6	10
96906	MS35338-42	5310-00-045-3299	6	30
96906	MS35338-43	5310-00-045-3296	6	12
			6	40
96906	MS35338-44	5310-00-582-5965	3	2
			6	27
			14	3
96906	MS35338-45	5310-00-407-9566	6	45
			13	3
96906	M535338-46	5310-00-637-9541	3	6
			11	4
			12	7
			15	10

## CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
96906	MS35338-46	5310-00-637-9541	18	3
			20	2
96906	MS35338-47	5310-00-209-0965	12	16
96906	MS35338-48	5310-00-584-5272	20	9
96906	MS35338-50	5310-00-820-6653	9	2
			12	2
96906	MS35489-17		6	2
96906	MS35489-23		6	1
96906	MS35643-1	5330-00-684-7851	19	6
96906	MS35645-2	2910-00-911-0081	19	4
96906	MS35650-302	5310-00-934-9751	6	11
96906	MS35691-1	5310-00-851-2674	6	34
96906	MS39326-11	4730-00-230-2959	1	7
96906	MS51958-43	5305-00-701-5059	6	28
96906	MS51967-2	5310-00-761-6882	3	1
			14	2
96906	MS51967-20	5310-00-763-8920	9	1
			12	1
96906	MS51967-5	5310-00-880-7744	6	44
96906	MS51967-8	5310-00-732-0558	3	4
			11	3
			12	6
			15	11
			18	2
			20	1
96906	MS53063-1	2940-01-052-4016	6	24
96906	MS90725-6	5305-00-068-0502	17	9
96906	MS90728-116	5305-00-071-2072	20	8
96906	MS90728-34	5306-00-226-4827	6	43
96906	MS90728-5	5305-00-068-7837	14	4
96906	MS90728-58	5305-00-543-4372	15	9
96906	MS90728-60	5305-00-068-0510	3	5
			11	2
			18	1
96906	MS90728-64	5305-00-725-2317	20	3
96906	MS90728-7	5305-00-071-2505	6	25
96906	MS90728-87	5305-00-071-1788	12	15
81349	M5423101-01	5930-00-689-6786	6	48
81349	M5501/7-F8	5340-01-063-1192	17	4
18265	P00-2940		16	2
18265	P00-7191		15	12
18265	P10-0091		16	7
18265	P10-1870	5310-00-735-3544	16	4
18265	P10-2510		16	3
18265	P10-2805		16	1
18265	P10-5532		15	4
18265	P11-8995		15	8
18265	P11-9539	2940-01-066-3577	16	6
71724	TY-21		12	13
59730	TY-524M	5975-01-052-3489	5	1
93061	V406P-4		17	11

## CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
18265	XLP18-2062	2940-01-251-2308	16	5
76385	Z-2162		1	4
62445	003 0414	5120-01-254-1678	63	28
62445	003 0426	5120-01-203-7948	63	21
62445	003 0438	5210-01-252-3907	63	24
62445	003 0443	5120-01-252-0358	63	26
62445	003 0444	5120-01-259-9076	63	32
62445	003 0447	5120-01-252-3909	63	33
62445	003 0449	5120-01-252-3910	63	34
62445	003 0452	5110-01-203-7945	63	18
62445	003 0453	5120-01-204-5073	63	17
62445	003 0459	5120-01-253-8715	63	35
62445	003 0484	5120-01-252-6363	63	36
62445	003 0498	5120-01-204-5067	63	4
62445	003 0501	5120-01-252-3905	63	22
62445	003 0543	5210-01-204-5068	63	3
62445	003 0562	4910-01-252-0356	63	9
62445	003 0603	5120-01-253-0356	63	1
62445	003 0620	3460-01-203-7947	63	20
62445	003 0621	5120-01-252-3906	63	23
62445	003 0636	4910-01-256-0630	63	14
62445	003 0696	5120-01-252-3908	63	30
62445	003 0733	5120-01-203-7950	63	29
62445	003 0794	5120-01-252-0357	63	10
62445	003 1043	5120-01-252-3902	63	13
62445	003 1044	5120-01-252-3903	63	15
62445	003 1091	5120-01-252-0355	63	2
62445	003 1102	5120-01-204-5071	63	6
62445	003 1133	5120-01-203-7951	63	37
62445	003 1234	5120-01-252-3904	63	16
62445	003-0430	5120-01-247-6128	63	25
36719	003-0441	3460-01-203-7946	63	19
62445	003-0463	5120-01-247-6131	63	7
62445	003-0500	5210-01-247-6129	63	5
62445	003-0504	5120-01-191-4503	63	11
62445	0030784	5120-01-280-2284	63	12
05748	01338		10	3
05748	01339		10	4
05748	02200	5305-00-068-0500	14	1
05748	02201		62	1
05748	02218		13	2
05748	02416	5307-01-254-1697	12	17
05748	02418		12	8
05748	02453	5307-01-256-0632	12	5
05748	02601		62	3
05748	02760	5310-00-395-6059	6	26
			17	7
62445	110 0740	5330-01-255-2159	28	11
62445	110 0960	3110-01-250-7757	55	8
62445	110 2659		31	2
		5310-01-209-7211	41	3

## CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
62445	110 2659	5310-01-209-7211	48	18
			49	8
62445	110 2664		55	1
62445	110 2797	5310-01-013-5628	34	2
			53	5
62445	110 2800		49	9
62445	110 2801	5310-01-250-3742	40	2
62445	110 2803		51	12
62445	110 3316	5305-01-246-1400	21	10
			26	10
			30	9
62445	110 3788		61	13
62445	110 4181	5305-01-250-3664	34	1
62445	110 5181		61	18
62445	110 5501	5305-01-250-3721	41	1
62445	110 5522	5305-01-250-7858	43	1
62445	110 5526	5305-01-250-7857	41	8
62445	110 5533		26	1
			31	8
62445	110 7095	5310-01-250-3733	26	3
			32	7
			33	3
62445	110 7101	5310-01-013-5463	21	17
			26	8
			42	5
			47	2
62445	110 7102	5310-01-250-3736	39	5
62445	110 7105		31	6
62445	110 7110		30	8
			61	2
62445	110 7281	5310-01-251-6491	26	7
62445	110 7283	5310-01-250-3744	26	17
			41	21
			51	6
62445	110 7544		43	13
62445	110 7548	5310-01-250-3731	21	14
62445	110 7600		46	24
62445	110 7613		46	20
62445	110 7713		46	7
62445	110 7821		57	2
62445	110 9041	3110-01-198-8043	25	9
62445	110-7834	5365-01-195-8046	25	8
36719	1102800	5310-01-013-5631	41	4
62445	111 0183	5307-01-164-5516	39	8
62445	111 0539		44	3
62445	111 0541		52	1
62445	111 0706	5305-01-250-3661	25	1
62445	111 1545		61	1
62445	111 2232		55	5
62445	111 2240		33	1
62445	111 2258		53	4

## CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
62445	111 2266		50	3
62445	111 2290		44	1
62445	111 2307	5306-01-250-3663	26	6
62445	111 2311	5306-01-250-3640	26	15
62445	111 2326		51	5
62445	111 2333	5305-01-239-2283	39	1
62445	111 2372		45	7
62445	111 2429		31	7
62445	111 2451		31	3
62445	111 2811		45	4
62445	111 2813		32	6
			33	2
			49	17
62445	111 2823		45	8
62445	111 2858	5310-01-195-5845	25	4
62445	111 3146		49	15
62445	111 3363		29	11
62445	111 3476		49	12
62445	111 5333		29	1
62445	111 5406		55	4
62445	111 5433		29	10
62445	111 5437		45	1
62445	111 5450		59	3
62445	111 6956		54	6
62445	111 7930		46	4
62445	111 8641		31	9
		5310-01-188-1008	35	3
			44	2
			52	2
62445	111 8647		28	2
			46	23
62445	111 8659	5310-01-250-3730	28	7
			30	2
62445	111 8672	5310-01-250-3734	35	5
62445	111 8673		32	5
			37	19
		5330-01-012-8854	50	2
62445	111 8688		31	11
			32	2
62445	111 8693		30	15
62445	111 8706		44	8
			61	10
62445	111 8736		44	6
62445	111 8760		48	3
62445	111 8960		31	10
62445	111 8964		44	7
62445	111 8979		44	5
62445	111 8997		28	12
62445	111 9038	4730-01-250-3760	28	10
62445	111 9176		28	8
62445	111 9231		28	4 ½

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FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
62445	111 9237		30	1
62445	111 9241		32	4
62445	111 9246		32	1
62445	111 9609		55	6
62445	111 9611		53	11
			61	8
62445	111-0981	5310-01-237-2763	21	5
62445	111-2232	5306-01-012-7245	35	2
62445	111-2264	5306-01-237-4919	21	1
62445	111-9237	5305-01-190-4585	28	6
79470	1110X6	4730-00-902-8990	8	2
62445	1112341	5306-01-193-9289	47	1
62445	1112813	5310-01-196-3870	21	2
			41	11
62445	112 2477	5310-01-246-1361	42	2
62445	112 3576	5305-01-250-7859	43	5
62445	112 3699	5305-01-251-2245	21	13
			42	6
62445	112 3701	5305-01-251-2247	42	9
62445	112 3702	5305-01-251-2246	42	3
62445	112 4753	5307-01-207-0170	48	17
62445	112 4832		59	1
62445	112 4836	5305-01-250-3756	40	1
62445	112 5952	5306-01-250-3662	25	6
62445	112 6136		59	4
62445	112 6724	5310-01-250-7853	43	6
62445	112 6725	5310-01-250-7852	43	2
62445	112 6726		30	10
			50	4
62445	112 6748		41	20
62445	112 6749	5310-01-250-7777	41	5
62445	112 6918		24	1
62445	112 6935		30	7
62445	112-2477	5310-01-193-9303	25	13
			26	16
			36	2
			39	2
			48	16
62445	112-6726	5310-01-239-2390	26	2
62445	113 5976		48	20
62445	113 6672		43	24
62445	113 7107		45	3
62445	113 7446		53	1
62445	113 7741		24	3
62445	113 8536		43	17
62445	116 0100		61	22
62445	116 1084		57	5
62445	116 1089		57	7
62445	116 1469		33	4
62445	116 1639		46	26
62445	116 2302		57	6

## CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
62445	116 2877		43	27
62445	116 3091		61	25
62445	116 3092		61	24
62445	116 3273	5330-01-250-7746	46	25
			51	8
62445	116 4216		54	3
62445	116 5786		61	19
62445	116 5975		46	11
62445	116 5986		45	6
62445	116 6343		29	3
62445	116 6345		29	4
62445	116 7010		61	21
62445	116 7012		61	23
62445	116 7269		28	15
			61	5
62445	116 8817		48	6
62445	116 9028		43	3
62445	116 9557		28	3
62445	116-0601	5325-01-239-7141	21	4
62445	117 0580		61	20
62445	117 0642		33	5
62445	117 0831		54	9
62445	117 1374	5330-01-251-3965	29	9
62445	117 1449		29	6
62445	117 1481	2920-01-251-2201	40	3
62445	117 2377		43	26
62445	117 2857	6115-01-251-3801	42	1
62445	117 3069	2920-01-250-7863	43	7
62445	117 3444	5306-01-250-3659	23	1
62445	117 3469	2990-01-250-3784	35	7
62445	117 3729		46	28
62445	117 3937	2910-01-250-3665	34	3
62445	117 4271	2815-01-250-7887	46	15
62445	117 4272	5330-01-250-7807	46	16
62445	117 4311	5330-01-188-0850	28	14
62445	117 4312	5330-01-250-3710	34	4
62445	117 4417	2940-01-174-1347	27	1
62445	117 4541		51	2
62445	117 4696	4330-01-250-3779	31	1
62445	117 4821		31	12
75665	120	3010-01-252-0353	12	21
36719	120630		63	8
62445	121 0032		52	4
62445	121 0033		52	6
62445	121 1206	5310-01-209-6984	42	7
			46	19
62445	121 2482		26	14
62445	121 5500		48	10
62445	121 5850	5310-01-250-3729	26	11
62445	121 6078		30	11
62445	121 6080		49	10



## CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
62445	121 6107	5310-01-194-5922	23	3
62445	121 6110	5310-01-250-3732	25	2
62445	121 6120		61	14
62445	121 6169		30	14
62445	121 6241		61	17
62445	121 6311		30	4
62445	121 6492		28	1
62445	121 8400		44	4
62445	121 8534		32	8
62445	121-6307	5310-01-190-7489	47	3
92679	122090H1		17	2
29510	122323R91	4730-00-277-6191	15	1
62445	126 0049	2910-01-192-5907	34	6
62445	126 0051	2910-01-208-4351	34	5
62445	126 0659	3120-01-253-0355	42	4
62445	126 6238	4720-01-250-3641	28	9
62445	128 8029		37	11
62445	128 9788		37	2
62445	129 0579		32	10
62445	129 9265		37	12
62445	130 0123		37	23
62445	130 1090		43	23
62445	130 2095		37	9
62445	130 2096		37	13
62445	130 2097		37	14
62445	130 2098		37	15
62445	130 3936		41	31
62445	130 6413		43	19
62445	130 6420		43	16
62445	130 6481	5360-01-251-3961	43	10
62445	130 6486		43	8
62445	130 7188		43	11
62445	130 7218		41	23
62445	130 7768	2920-01-250-7862	41	7
62445	130 7992		37	5
62445	130 7995		37	18
62445	130 7996		37	3
62445	130 8038		37	10
62445	130 8142		41	18
62445	130 8144		41	24
62445	130 8145		41	30
62445	130 8146		41	13
62445	130 8147		41	17
62445	130 8148	5977-01-250-7849	41	16
62445	130 8151		41	9
62445	130 8366		37	8
62445	130 8367		37	7
62445	130 8368		37	1
62445	130 8370		37	22
62445	130 8371		37	21
62445	130 8394		37	20

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FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
62445	130 8397	5910-01-250-7745	43	4
62445	130 8451	5977-01-250-7760	43	9
62445	130 8454		43	20
62445	130 8494		43	14
62445	130 8495		43	15
62445	130 8496		43	18
62445	130 8497		43	22
62445	130 8498		43	21
62445	130 8499		43	25
62445	130 8500		43	12
62445	130 8802		41	14
62445	130 9845		41	22
62445	130-8152	5310-01-194-4865	41	10
62445	1309463	5305-01-252-7187	41	6
62445	131 0062		37	4
62445	131 0063		37	4
62445	131 0064		37	4
62445	131310	5120-01-252-6370	63	27
18876	13142983-22/3	2815-01-163-8148	35	1
62445	139 3349		21	16
62445	140 0954		29	5
62727	140-42	4730-01-253-4292	6	19
62445	143620	5120-01-252-6371	63	31
80201	14938	5330-00-871-6915	13	1
05748	14943	5310-00-582-5965	17	8.
61407	150	4730-01-255-6366	8	6
61407	150-12		8	15
61407	150-13		8	16
61407	150-14		8	14
61407	150-16	4730-01-255-6368	8	8
61407	150-17	4730-01-255-6369	8	9
61407	150-2		8	10
61407	150-3		8	11
61407	150-7		8	21
36719	150800	5120-01-167-5726	63	38
53867	2-004-618-004	5360-01-206-2304	41	15
03479	20P-FS-100	6620-01-252-0495	6	21
62445	2016 7102	5310-01-250-7841	41	12
93235	207M	3110-00-554-3184	13	8
62445	210 3634	5340-01-252-3930	39	3
05748	21275	5310-01-166-5501	1	6
			6	29
62445	213 1029		48	9
62445	213 1938		61	27
62445	213 3358	3010-01-250-3660	23	2
62445	213 3628	5340-01-250-3739	36	1
62445	213 5103		37	16
62445	213 5104		37	17
62445	213 6035		55	2
62445	213 6596		48	2
62445	213 7015		51	10 /

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FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
62445	213 7256		56	2
62445	213 7301	2815-01-021-9074	48	14
62445	213 7302		48	15
62445	213 7305		48	13.
62445	213 7568		38	2
62445	213 7580		48	21
62445	213 7591		48	19
62445	213 8224		37	6
62445	213 8618		46	14
62445	213 9557		54	4
62445	213 9600	2815-01-193-7737	49	20
62445	21577	5330-01-256-0621	10	5
62445	216 1050	5310-01-250-3743	39	6
62445	216 2541		21	19
62445	216 7769		51	9
62445	216 7770		51	3
05748	21857SA		10	1
05748	220120		19	10
62445	223 0030		46	22
62445	223 0063		54	5
62445	223 0064		54	7
62445	223 0216	5365-01-250-7883	48	22
62445	223 0849		49	14
62445	223 0852		49	19
62445	223 0937		51	4
62445	223 2528		48	11
62445	223 3085		38	3
62445	223 3086	2910-01-187-2329	38	4
62445	223 3605		53	8
62445	223 3608		61	16
62445	223 3612		61	3
62445	223 3631		53	6
62445	223 3640		59	7
62445	223 3650	3120-01-250-7826	58	5
62445	223 3656		58	2
62445	223 3660		57	3
62445	223 3672		60	1
62445	223 3681	5330-01-250-7787	49	5
62445	223 3682		49	7
62445	223 3683		49	6
62445	223 3685	5330-01-253-0385	49	1
62445	223 3686		49	4
62445	223 3688		52	3
62445	223 3705		49	2
62445	223 3710		53	12
			61	26
62445	223 3719		52	5
62445	223 3733		28	5
62445	223 3736		54	2
62445	223 3741		33	8
62445	223 3746		33	7

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FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
62445	223 3771		45	5
62445	223 3772		45	2
62445	223 3774	5306-01-250-7816	48	4
62445	223 3787		26	12
62445	223 3792		26	18
62445	223 3817		59	2
62445	223 3837		29	2
62445	223 3839		29	8
62445	223 3840		29	7
62445	223 3876		30	5
62445	223 3907	2910-01-253-0453	54	1
62445	223 3913		54	8
62445	223 3922		55	3
62445	223 3926		55	7
62445	223 3991		50	5
62445	223 3994	5365-01-250-7785	50	1
62445	223 3996		53	9
62445	223 4006	5330-01-250-3714	36	6
62445	223 4007	5365-01-250-3765	36	5
62445	223 4013		58	1
62445	223 4014	3120-01-251-2267	58	4
62445	223 4022		30	3
62445	223 4028		23	4
62445	223 4045		27	2
62445	223 4046		46	5
62445	223 4048		46	8
62445	223 4049		42	10
62445	223 4056		53	7
			61	15
62445	223 4078		56	1
62445	223 4199		46	1
62445	223 4200		46	17
62445	223 4259		30	13
62445	223 4263	5310-01-250-3735	36	3
62445	223 4306		26	4
62445	223 4308		26	9
62445	223 4498	5330-01-250-7748	53	3
62445	223 4784		47	4
62445	223 5346		30	12
62445	223 5374	3030-01-250-3759	22	1
62445	223 5604		46	2
62445	223 6454		46	12
62445	223 6455		46	13
62445	223 6463		46	27
62445	223 6664		26	13
62445	223 7221	2815-01-250-7850	48	12
62445	223 7661		49	21
62445	223 7665		49	11
62445	223 7814		26	5
62445	223 7883		46	21
62445	223 8003		25	5

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FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
62445	223 8007		25	10
62445	223 8030	2930-01-241-4901	25	3
62445	223 8033		25	12
62445	223 8039		25	7
62445	223 8417	6680-01-250-3772	28	13
62445	223 9081		30	6
62445	223 9097	2815-01-255-2206	48	1
62445	223 9262	2815-01-255-2205	57	4
62445	223 9437		59	6
62445	223 9438		59	5
62445	223 9474		21	11
62445	223 9584		53	10
			61	7
62445	223 9616		31	5
62445	223 9938		51	7
62445	223 9940		51	11
62445	223-3729	2910-01-234-7974	36	4
62445	224 2433	3120-01-253-0354	42	8
62445	224 3634		21	7
62445	224 4174		21	9
62445	224 4178		21	18
62445	224 4180		21	3
62445	224 4828		32	3
62445	224 4861		21	15
62445	224 4957		21	12
62445	224 5082		24	4
62445	224 5516		24	2
62445	224 5579		24	5
62445	224 7094		51	1
62445	224 7486	4810-01-251-3997	35	6
62445	224 7539		53	2
62445	224 8051	4730-01-250-3758	35	4
36863	229-4-2	4730-01-196-9108	19	2
62445	230 1539		31	4
05748	28173	5310-01-212-1431	20	6
05748	28381		62	2
62445	298 5062	5310-01-250-3746	41	2
62445	298 5110		41	19
62445	298 5187		41	29
62445	298 5188		41	25
62445	298 5189		41	27
62445	298 5192		41	26
62445	298 5193		41	28
05748	29915		12	19
05748	30651		13	4
62445	331 6466	5310-01-250-3702	39	4
62445	331-2840	5310-01-237-2050	21	6
79470	3327X4	4730-00-193-2709	17	14
62445	335 6976		61	4
62445	335 7042	3120-01-251-2268	61	6
62445	335 7098		46	10

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FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
62445	335 7249		58	3
62445	335 7736		46	6
62445	335 7737		46	9
62445	336 3658		25	11
62445	336 3948		46	18
62445	336 5861		49	16
62445	336 7789		60	2
62445	336 9305		48	8
62445	337 1383		61	12
62445	337 1384		61	11
62445	337 1689	5330-01-012-8860	39	7
62445	337 1692	5330-01-166-6632	47	5
62445	337 1748		48	7
62445	337 1845		49	18
62445	337 1867		49	13
62445	337 1876		49	3
62445	337 2269		33	6
62445	337 2829	5325-01-250-3780	21	8
62445	337 9712		46	3
36719	3371666	5310-01-013-5473	48	5
62445	346 9004		61	9
62445	346 9058		32	9
05748	35236		12	3
05748	35242	5330-01-256-0622	12	4
62445	415 2197	2815-01-255-2160	57	1
62445	415-3052	5310-01-188-1000	38	1
62445	419-1051	2990-01-250-3723	39	9
79470	48X6B	4730-00-266-0538	8	4
81343	5-4 01012B		17	6
23224	50 300 ADV		19	1
79136	5100-156		13	5
05748	51454		6	5
03479	518-A-PH12VDC	5930-01-254-7774	6	32
43334	55508	3110-00-156-7887	13	6
05748	55643	5307-01-207-7436	9	4
03479	60-0-60	6625-00-286-5437	6	22
81646	6202	4730-00-871-6729	6	17
05748	62638		62	4
79150	63567	5330-00-918-7217	13	7
03479	65-05-0461	5975-01-258-7519	5	5
05748	65458	5310-01-238-8410	11	7
79470	6746		17	12
79470	6749		17	13
79470	7034X2B	4730-00-277-9386	19	3
05748	72268	5315-01-250-3704	12	22
05748	73479		62	6
05748	74116		14	6
05748	74119	5306-01-253-4293	6	35
05748	74120		6	38
05748	74122	4730-01-258-7533	6	18
05748	74124		6	46

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FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
05748	74128	5340-01-254-1698	6	41
05748	74131		6	36
05748	74132		6	42
05748	74137SA		9	3
05748	74140		15	5
05748	74146		62	5
05748	74160		4	3
05748	74176		4	6
			7	8
05748	74177		4	5
			7	2
05748	74178		7	5
05748	74179		4	9
05748	74180		4	4
			7	7
05748	74181		4	11
			7	9
05748	74188		5	3
05748	74189		5	2
05748	74345		6	3
05748	76182SA		19	8
05748	76451SA	4320-01-255-6370	11	9
05748	76452SA		12	23
05748	76453		12	18
05748	76454		11	5
05748	76455		12	11
05748	76456		12	10
05748	76457		13	10
05748	76458		13	9
05748	76459		12	12
05748	76460	5330-01-256-0623	12	9
05748	76461SA		62	7
05748	76462SA		18	7
05748	76463		19	9
05748	76464SA		5	7
05748	76469SA		3	7
05748	76482		12	14
05748	76891		4	1
05748	76892		7	6
05748	76986		14	5
05748	76987		18	6
05748	76988		14	7
05748	76996SA		3	3
05748	77008		18	5
05748	770345A		6	13
05748	77036SA		14	8
05748	77038		17	15
05748	77039SA		1	8
05748	77040SA		18	4
05748	77041SA		17	5
05748	77042SA		8	1

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FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
05748	77044SA		1	1
05748	77045		15	6
05748	77053		9	5
05748	77058		6	54
05748	77059		8	3
05748	77061SA		17	1
05748	77070SA		11	8
05748	77116		17	3
05748	77123		17	10
05748	77131		6	6
05748	77132		6	50
05748	77133		6	51
05748	77134		6	52
05748	77135		6	53
05748	77136		6	4
05748	77140SA		6	23
05748	77141SA		6	16
05748	77142SA		6	33
05748	77143SA		6	37
05748	77353	5310-01-253-0425	5	4
05748	77354SA		6	14
05748	77358	5930-01-254-7773	6	31
05748	77359	6680-01-258-7521	6	15
05748	77360	6680-01-258-7520	5	6
05748	77362		4	12
05748	77378		15	3
05748	77380		15	2
05748	77475SA		20	5
05748	77875		19	7
05748	78123	5305-01-254-7810	12	20
94222	82-12-180-17	5325-00-528-6271	6	7
94222	82-32-201-20	5310-01-122-0953	6	8
53622	82-47-104-15		6	9



## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
BULK	1	4720-00-684-4033	79470	H10104
1	1		05748	77044SA
1	2	6140-01-248-9954	19099	MEC87-0042-1
1	3	6140-01-249-4085	19099	MEC87-0042-2
1	4		76385	Z-2162
1	5	5305-00-984-6193	96906	MS35206-245
1	6	5310-01-166-5501	05748	21275
1	7	4730-00-230-2959	96906	MS39326-11
1	8		05748	77039SA
1	9	6140-01-249-4086	19099	MEC87-0042-3
1	10	6140-01-249-4087	19099	MEC87-0042-4
2	1	6140-00-057-2553	96906	MS35000-1
3	1	5310-00-761-6882	96906	MS51967-2
3	2	5310-00-582-5965	96906	MS35338-44
3	3		05748	76996SA
3	4	5310-00-732-0558	96906	M551967-8
3	5	5305-00-068-0510	96906	M590728-60
3	6	5310-00-637-9541	96906	M535338-46
3	7		05748	76469SA
4	1		05748	76891
4	2		96906	MS25036-153
4	3		05748	74160
4	4		05748	74180
4	5		05748	74177
4	6		05748	74176
4	7		96906	M525036-155
4	8		96906	MS25036-108
4	9		05748	74179
4	10		96906	MS25036-157
4	11		05748	74181
4	12		05748	77362
5	1	5975-01-052-3489	59730	TY-524M
5	2		05748	74189
5	3		05748	74188
5	4	5310-01-253-0425	05748	77353
5	5	5975-01-258-7519	03479	65-05-0461
5	6	6680-01-258-7520	05748	77360
5	7		05748	76464SA
6	1		96906	MS35489-23
6	2		96906	MS35489-17
6	3		05748	74345
6	4		05748	77136
6	5		05748	51454
6	6		05748	77131
6	7	5325-00-528-6271	94222	82-12-180-17
6	8	5310-01-122-0953	94222	82-32-201-20
6	9		53622	82-47-104-15
6	10	5305-00-989-7434	96906	MS35207-263
6	11	5310-00-934-9751	96906	MS35650-302
6	12	5310-00-045-3296	96906	MS35338-43
6	13		05748	770345A

## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
6	14		05748	77354SA
6	15	6680-01-258-7521	05748	77359
6	16		05748	77141SA
6	17	4730-00-871-6729	81646	6202
6	18	4730-01-258-7533	05748	74122
6	19	4730-01-253-4292	62727	140-42
6	20		79470	H101
6	20		79470	H101
6	21	6620-01-252-0495	03479	20P-FS-100
6	22	6625-00-286-5437	03479	60-0-60
6	23		05748	771405A
6	24	2940-01-052-4016	96906	MS53063-1
6	25	5305-00-071-2505	96906	MS90728-7
6	26	5310-00-395-6059	05748	02760
6	27	5310-00-582-5965	96906	MS35338-44
6	28	5305-00-701-5059	96906	MS51958-43
6	29	5310-01-166-5501	05748	21275
6	30	5310-00-045-3299	96906	MS35338-42
6	31	5930-01-254-7773	05748	77358
6	32	5930-01-254-7774	03479	518-A-PH12VDC
6	33		05748	77142SA
6	34	5310-00-851-2674	96906	MS35691-1
6	35	5306-01-253-4293	05748	74119
6	36		05748	74131
6	37		05748	77143SA
6	38		05748	74120
6	39	5305-00-984-6194	96906	MS35206-246
6	40	5310-00-045-3296	96906	MS35338-43
6	41	5340-01-254-1698	05748	74128
6	42		05748	74132
6	43	5306-00-226-4827	96906	MS90728-34
6	44	5310-00-880-7744	96906	MS51967-5
6	45	5310-00-407-9566	96906	MS35338-45
6	46		05748	74124
6	47	5930-00-655-1514	96906	MS35058-22
6	48	5930-00-689-6786	81349	M5423101-01
6	49	5930-00-655-1514	96906	MS35058-22
6	50		05748	77132
6	51		05748	77133
6	52		05748	77134
6	53		05748	77135
6	54		05748	77058
7	1		96906	MS25036-153
7	2		05748	74177
7	3		96906	MS25036-108
7	4		96906	MS25036-106
7	5		05748	74178
7	6		05748	76892
7	7		05748	74180
7	8		05748	74176
7	9		05748	74181

## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
8	1		05748	77042SA
8	2	4730-00-902-8990	79470	1110X6
8	3		05748	77059
8	4	4730-00-266-0538	79470	48X6B
8	5	4730-00-221-2137	96906	MS20913-2S
8	6	4730-01-255-6366	61407	150
8	7	4820-01-255-6367	61407	A-334
8	8	4730-01-255-6368	61407	150-16
8	9	4730-01-255-6369	61407	150-17
8	10		61407	150-2
8	11		61407	150-3
8	12		61407	A-27-150
8	13		61407	A-23-150
8	14		61407	150-14
8	15		61407	150-12
8	16		61407	150-13
8	17		61407	A-22
8	18		61407	A-320
8	19		61407	A-21
8	20		61407	A-20
8	21		61407	150-7
9	1	5310-00-763-8920	96906	MS51967-20
9	2	5310-00-820-6653	96906	MS35338-50
9	3		05748	741375A
9	4	5307-01-207-7436	05748	55643
9	5		05748	77053
10	1		05748	218575A
10	2	5305-00-988-1724	96906	MS35206-280
10	3		05748	01338
10	4		05748	01339
10	5	5330-01-256-0621	05748	21577
11	1	4730-00-541-2780	88044	AN933-2
11	2	5305-00-068-0510	96906	MS90728-60
11	3	5310-00-732-0558	96906	MS51967-8
11	4	5310-00-637-9541	96906	MS35338-46
11	5		05748	76454
11	6		D8286	DIN933-M10X30-8. 8-A3L
11	7	5310-01-238-8410	05748	65458
11	8		05748	77070SA
11	9	4320-01-255-6370	05748	764515A
12	1	5310-00-763-8920	96906	MS51967-20
12	2	5310-00-820-6653	96906	MS35338-50
12	3		05748	35236
12	4	5330-01-256-0622	05748	35242
12	5	5307-01-256-0632	05748	02453
12	6	5310-00-732-0558	96906	M551967-8
12	7	5310-00-637-9541	96906	MS35338-46
12	8		05748	02418
12	9	5330-01-256-0623	05748	76460
12	10		05748	76456

## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
12	11		05748	76455
12	12		05748	76459
12	13		71724	TY-21
12	14		05748	76482
12	15	5305-00-071-1788	96906	MS90728-87
12	16	5310-00-209-0965	96906	MS35338-47
12	17	5307-01-254-1697	05748	02416
12	18		05748	76453
12	19		05748	29915
12	20	5305-01-254-7810	05748	78123
12	21	3010-01-252-0353	75665	120
12	22	5315-01-250-3704	05748	72268
12	23		05748	76452SA
13	1	5330-00-871-6915	80201	14938
13	2		05748	02218
13	3		96906	MS35338-45
13	4		05748	30651
13	5		79136	5100-156
13	6	3110-00-156-7887	43334	55508
13	7	5330-00-918-7217	79150	63567
13	8	3110-00-554-3184	93235	207M
13	9		05748	76458
13	10		05748	76457
14	1	5305-00-068-0500	05748	02200
14	2	5310-00-761-6882	96906	MS51967-2
14	3	5310-00-582-5965	96906	MS35338-44
14	4	5305-00-068-7837	96906	MS90728-5
14	5		05748	76986
14	6		05748	74116
14	7		05748	76988
14	8		05748	77036SA
15	1	4730-00-277-6191	29510	122323R91
15	2		05748	77380
15	3		05748	77378
15	4		18265	P10-5532
15	5		05748	74140
15	6		05748	77045
15	7		18265	GAH00-1379
15	8		18265	P11-8995
15	9	5305-00-543-4372	96906	M590728-58
15	10	5310-00-637-9541	96906	MS35338-46
15	11	5310-00-732-0558	96906	M551967-8
15	12		18265	P00-7191
15	13		18265	FHG06-5104
16	1		18265	P10-2805
16	2		18265	P00-2940
16	3		18265	P10-2510
16	4	5310-00-735-3544	18265	P10-1870
16	5	2940-01-251-2308	18265	XLP18-2062
16	6	2940-01-066-3577	18265	P11-9539
16	7		18265	P10-0091

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FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
17	1		05748	77061SA
17	2		92679	122090H1
17	3		05748	77116
17	4	5340-01-063-1192	81349	M5501/7-F8
17	5		05748	77041SA
17	6		81343	5-4 01012B
17	7	5310-00-395-6059	05748	02760
17	8	5310-00-582-5965	05748	14943
17	9	5305-00-068-0502	96906	M590725-6
17	10		05748	77123
17	11		93061	V406P-4
17	12		79470	6746
17	13		79470	6749
17	14	4730-00-193-2709	79470	3327X4
17	15		05748	77038
18	1	5305-00-068-0510	96906	MS90728-60
18	2	5310-00-732-0558	96906	MS51967-8
18	3	5310-00-637-9541	96906	MS35338-46
18	4		05748	77040SA
18	5		05748	77008
18	6		05748	76987
18	7		05748	76462SA
19	1		23224	50 300 ADV
19	2	4730-01-196-9108	36863	229-4-2
19	3	4730-00-277-9386	79470	7034X2B
19	4	2910-00-911-0081	96906	MS35645-2
19	5	5315-00-514-2660	96906	MS29523-1
19	6	5330-00-684-7851	96906	MS35643-1
19	7		05748	77875
19	8		05748	76182SA
19	9		05748	76463
19	10	4730-01-254-7776	05748	220120
20	1	5310-00-732-0558	96906	MS51967-8
20	2	5310-00-637-9541	96906	MS35338-46
20	3	5305-00-725-2317	96906	MS90728-64
20	4	5310-00-087-7493	96906	MS27183-13
20	5		05748	77475SA
20	6	5310-01-212-1431	05748	28173
20	7	5310-00-809-5998	96906	MS27183-18
20	8	5305-00-071-2072	96906	MS90728-116
20	9	5310-00-584-5272	96906	MS35338-48
20	10	2815-01-253-8744	62445	F2 L511D D0251-0 69/00
21	1	5306-01-237-4919	62445	111-2264
21	2	5310-01-196-3870	62445	1112813
21	3		62445	224 4180
21	4	5325-01-239-7141	62445	116-0601
21	5	5310-01-237-2763	62445	111-0981
21	6	5310-01-237-2050	62445	331-2840
21	7		62445	224 3634
21	8	5325-01-250-3780	62445	337 2829

## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
21	9		62445	224 4174
21	10	5305-01-246-1400	62445	110 3316
21	11		62445	223 9474
21	12		62445	224 4957
21	13	5305-01-251-2245	62445	112 3699
21	14	5310-01-250-3731	62445	110 7548
21	15		62445	224 4861
21	16		62445	139 3349
21	17	5310-01-013-5463	62445	110 7101
21	18		62445	224 4178
21	19		62445	216 2541
22	1	3030-01-250-3759	62445	223 5374
23	1	5306-01-250-3659	62445	117 3444
23	2	3010-01-250-3660	62445	213 3358
23	3	5310-01-194-5922	62445	121 6107
23	4		62445	223 4028
24	1		62445	112 6918
24	2		62445	224 5516
24	3		62445	113 7741
24	4		62445	224 5082
24	5		62445	224 5579
25	1	5305-01-250-3661	62445	111 0706
25	2	5310-01-250-3732	62445	121 6110
25	3	2930-01-241-4901	62445	223 8030
25	4	5310-01-195-5845	62445	111 2858
25	5		62445	223 8003
25	6	5306-01-250-3662	62445	112 5952
25	7		62445	223 8039
25	8	5365-01-195-8046	62445	110-7834
25	9	3110-01-198-8043	62445	110 9041
25	10		62445	223 8007
25	11		62445	336 3658
25	12		62445	223 8033
25	13	5310-01-193-9303	62445	112-2477
26	1		62445	110 5533
26	2	5310-01-239-2390	62445	112-6726
26	3	5310-01-250-3733	62445	110 7095
26	4		62445	223 4306
26	5		62445	223 7814
26	6	5306-01-250-3663	62445	111 2307
26	7	5310-01-251-6491	62445	110 7281
26	8	5310-01-013-5463	62445	110 7101
26	9		62445	223 4308
26	10	5305-01-246-1400	62445	110 3316
26	11	5310-01-250-3729	62445	121 5850
26	12		62445	223 3787
26	13		62445	223 6664
26	14		62445	121 2482
26	15	5306-01-250-3640	62445	111 2311
26	16	5310-01-193-9303	62445	112-2477
26	17	5310-01-250-3744	62445	110 7283

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FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
26	18		62445	223 3792
27	1	2940-01-174-1347	62445	117 4417
27	2		62445	223 4045
28	1		62445	121 6492
28	2		62445	111 8647
28	3		62445	116 9557
28	4		62445	111 9231
28	5		62445	223 3733
28	6	5305-01-190-4585	62445	111-9237
28	7	5310-01-250-3730	62445	111 8659
28	8		62445	111 9176
28	9	4720-01-250-3641	62445	126 6238
28	10	4730-01-250-3760	62445	111 9038
28	11	5330-01-255-2159	62445	110 0740
28	12		62445	111 8997
28	13	6680-01-250-3772	62445	223 8417
28	14	5330-01-188-0850	62445	117 4311
28	15		62445	116 7269
29	1		62445	111 5333
29	2		62445	223 3837
29	3		62445	116 6343
29	4		62445	116 6345
29	5		62445	140 0954
29	6		62445	117 1449
29	7		62445	223 3840
29	8		62445	223 3839
29	9	5330-01-251-3965	62445	117 1374
29	10		62445	111 5433
29	11		62445	111 3363
30	1		62445	111 9237
30	2		62445	111 8659
30	3		62445	223 4022
30	4		62445	121 6311
30	5		62445	223 3876
30	6		62445	223 9081
30	7		62445	112 6935
30	8		62445	110 7110
30	9		62445	110 3316
30	10		62445	112 6726
30	11		62445	121 6078
30	12		62445	223 5346
30	13		62445	223 4259
30	14		62445	121 6169
30	15		62445	111 8693
31	1	4330-01-250-3779	62445	117 4696
31	2		62445	110 2659
31	3		62445	111 2451
31	4		62445	230 1539
31	5		62445	223 9616
31	6		62445	110 7105
31	7		62445	111 2429

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FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
31	8		62445	110 5533
31	9		62445	111 8641
31	10		62445	111 8960
31	11		62445	111 8688
31	12		62445	117 4821
32	1		62445	111 9246
32	2		62445	111 8688
32	3		62445	224 4828
32	4		62445	111 9241
32	5		62445	111 8673
32	6		62445	111 2813
32	7		62445	110 7095
32	8		62445	121 8534
32	9		62445	346 9058
32	10		62445	129 0579
33	1		62445	111 2240
33	2		62445	111 2813
33	3		62445	110 7095
33	4		62445	116 1469
33	5		62445	117 0642
33	6		62445	337 2269
33	7		62445	223 3746
33	8		62445	223 3741
34	1	5305-01-250-3664	62445	110 4181
34	2	5310-01-013-5628	62445	110 2797
34	3	2910-01-250-3665	62445	117 3937
34	4	5330-01-250-3710	62445	117 4312
34	5	2910-01-208-4351	62445	126 0051
34	6	2910-01-192-5907	62445	126 0049
35	1	2815-01-163-8148	18876	13142983-22/3
35	2	5306-01-012-7245	62445	111-2232
35	3	5310-01-188-1008	62445	111 8641
35	4	4730-01-250-3758	62445	224 8051
35	5	5310-01-250-3734	62445	111 8672
35	6	4810-01-251-3997	62445	224 7486
35	7	2990-01-250-3784	62445	117 3469
36	1	5340-01-250-3739	62445	213 3628
36	2	5310-01-193-9303	62445	112-2477
36	3	5310-01-250-3735	62445	223 4263
36	4	2910-01-234-7974	62445	223-3729
36	5	5365-01-250-3765	62445	223 4007
36	6	5330-01-250-3714	62445	223 4006
37	1		62445	130 8368
37	2		62445	128 9788
37	3		62445	130 7996
37	4		62445	131 0062
37	4		62445	131 0063
37	4		62445	131 0064
37	5		62445	130 7992
37	6		62445	213 8224
37	7		62445	130 8367



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FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
37	8		62445	130 8366
37	9		62445	130 2095
37	10		62445	130 8038
37	11		62445	128 8029
37	12		62445	129 9265
37	13		62445	130 2096
37	14		62445	130 2097
37	15		62445	130 2098
37	16		62445	213 5103
37	17		62445	213 5104
37	18		62445	130 7995
37	19		62445	111 8673
37	20		62445	130 8394
37	21		62445	130 8371
37	22		62445	130 8370
37	23		62445	130 0123
38	1	5310-01-188-1000	62445	415-3052
38	2		62445	213 7568
38	3		62445	223 3085
38	4	2910-01-187-2329	62445	223 3086
39	1	5305-01-239-2283	62445	111 2333
39	2	5310-01-193-9303	62445	112-2477
39	3	5340-01-252-3930	62445	210 3634
39	4	5310-01-250-3702	62445	331 6466
39	5	5310-01-250-3736	62445	110 7102
39	6	5310-01-250-3743	62445	216 1050
39	7	5330-01-012-8860	62445	337 1689
39	8	5307-01-164-5516	62445	111 0183
39	9	2990-01-250-3723	62445	419-1051
40	1	5305-01-250-3756	62445	112 4836
40	2	5310-01-250-3742	62445	110 2801
40	3	2920-01-251-2201	62445	117 1481
41	1	5305-01-250-3721	62445	110 5501
41	2	5310-01-250-3746	62445	298 5062
41	3	5310-01-209-7211	62445	110 2659
41	4	5310-01-013-5631	36719	1102800
41	5	5310-01-250-7777	62445	112 6749
41	6	5305-01-252-7187	62445	1309463
41	7	2920-01-250-7862	62445	130 7768
41	8	5305-01-250-7857	62445	110 5.526
41	9		62445	130 8151
41	10	5310-01-194-4865	62445	130-8152
41	11	5310-01-196-3870	62445	1112813
41	12	5310-01-250-7841	62445	2016 7102
41	13		62445	130 8146
41	14		62445	130 8802
41	15	5360-01-206-2304	53867	2-004-618-004
41	16	5977-01-250-7849	62445	130 8148
41	17		62445	130 8147
41	18		62445	130 8142
41	19		62445	298 5110

## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
41	20		62445	112 6748
41	21		62445	110 7283
41	22		62445	130 9845
41	23		62445	130 7218
41	24		62445	130 8144
41	25		62445	298 5188
41	26		62445	298 5192
41	27		62445	298 5189
41	28		62445	298 5193
41	29		62445	298 5187
41	30		62445	130 8145
41	31		62445	130 3936
42	1	6115-01-251-3801	62445	117 2857
42	2	5310-01-246-1361	62445	112 2477
42	3	5305-01-251-2246	62445	112 3702
42	4	3120-01-253-0355	62445	126 0659
42	5	5310-01-013-5463	62445	110 7101
42	6	5305-01-251-2245	62445	112 3699
42	7	5310-01-209-6984	62445	121 1206
42	8	3120-01-253-0354	62445	224 2433
42	9	5305-01-251-2247	62445	112 3701
42	10		62445	223 4049
43	1	5305-01-250-7858	62445	110 5522
43	2	5310-01-250-7852	62445	112 6725
43	3		62445	116 9028
43	4	5910-01-250-7745	62445	130 8397
43	5	5305-01-250-7859	62445	112 3576
43	6	5310-01-250-7853	62445	112 6724
43	7	2920-01-250-7863	62445	117 3069
43	8		62445	130 6486
43	9	5977-01-250-7760	62445	130 8451
43	10	5360-01-251-3961	62445	130 6481
43	11		62445	130 7188
43	12		62445	130 8500
43	13		62445	110 7544
43	14		62445	130 8494
43	15		62445	130 8495
43	16		62445	130 6420
43	17		62445	113 8536
43	18		62445	130 8496
43	19		62445	130 6413
43	20		62445	130 8454
43	21		62445	130 8498
43	22		62445	130 8497
43	23		62445	130 1090
43	24		62445	113 6672
43	25		62445	130 8499
43	26		62445	117 2377
43	27		62445	116 2877
44	1		62445	111 2290
44	2		62445	111 8641

## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
44	3		62445	111 0539
44	4		62445	121 8400
44	5		62445	111 8979
44	6		62445	111 8736
44	7		62445	111 8964
44	8		62445	111 8706
45	1		62445	111 5437
45	2		62445	223 3772
45	3		62445	113 7107
45	4		62445	111 2811
45	5		62445	223 3771
45	6		62445	116 5986
45	7		62445	111 2372
45	8		62445	111 2823
46	1		62445	223 4199
46	2		62445	223 5604
46	3		62445	337 9712
46	4		62445	111 7930
46	5		62445	223 4046
46	6		62445	335 7736
46	7		62445	110 7713
46	8		62445	223 4048
46	9		62445	335 7737
46	10		62445	335 7098
46	11		62445	116 5975
46	12		62445	223 6454
46	13		62445	223 6455
46	14		62445	213 8618
46	15	2815-01-250-7887	62445	117 4271
46	16	5330-01-250-7807	62445	117 4272
46	17		62445	223 4200
46	18		62445	336 3948
46	19		62445	121 1206
46	20		62445	110 7613
46	21		62445	223 7883
46	22		62445	223 0030
46	23		62445	111 8647
46	24		62445	110 7600
46	25	5330-01-250-7746	62445	116 3273
46	26		62445	116 1639
46	27		62445	223 6463
46	28		62445	117 3729
47	1	5306-01-193-9289	62445	1112341
47	2	5310-01-013-5463	62445	110 7101
47	3	5310-01-190-7489	62445	121-6307
47	4		62445	223 4784
47	5	5330-01-166-6632	62445	337 1692
48	1	2815-01-255-2206	62445	223 9097
48	2		62445	213 6596
48	3		62445	111 8760
48	4	5306-01-250-7816	62445	223 3774

## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
48	5	5310-01-013-5473	36719	3371666
48	6		62445	116 8817
48	7		62445	337 1748
48	8		62445	336 9305
48	9		62445	213 1029
48	10		62445	121 5500
48	11		62445	223 2528
48	12	2815-01-250-7850	62445	223 7221
48	13		62445	213 7305
48	14	2815-01-021-9074	62445	213 7301
48	15		62445	213 7302
48	16	5310-01-193-9303	62445	112-2477
48	17	5307-01-207-0170	62445	112 4753
48	18	5310-01-209-7211	62445	110 2659
48	19		62445	213 7591
48	20		62445	113 5976
48	21		62445	213 7580
48	22	5365-01-250-7883	62445	223 0216
49	1	5330-01-253-0385	62445	223 3685
49	2		62445	223 3705
49	3		62445	337 1876
49	4		62445	223 3686
49	5	5330-01-250-7787	62445	223 3681
49	6		62445	223 3683
49	7		62445	223 3682
49	8		62445	110 2659
49	9		62445	110 2800
49	10		62445	121 6080
49	11		62445	223 7665
49	12		62445	111 3476
49	13		62445	337 1867
49	14		62445	223 0849
49	15		62445	111 3146
49	16		62445	336 5861
49	17		62445	111 2813
49	18		62445	337 1845
49	19		62445	223 0852
49	20	2815-01-193-7737	62445	213 9600
49	21		62445	223 7661
50	1	5365-01-250-7785	62445	223 3994
50	2	5330-01-012-8854	62445	111 8673
50	3		62445	111 2266
50	4		62445	112 6726
50	5		62445	223 3991
51	1		62445	224 7094
51	2		62445	117 4541
51	3		62445	216 7770
51	4		62445	223 0937
51	5		62445	111 2326
51	6		62445	110 7283
51	7		62445	223 9938

## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
51	8		62445	116 3273
51	9		62445	216 7769
51	10		62445	213 7015
51	11		62445	223 9940
51	12		62445	110 2803
52	1		62445	111 0541
52	2		62445	111 8641
52	3		62445	223 3688
52	4		62445	121 0032
52	5		62445	223 3719
52	6		62445	121 0033
53	1		62445	113 7446
53	2		62445	224 7539
53	3	5330-01-250-7748	62445	223 4498
53	4		62445	111 2258
53	5		62445	110 2797
53	6		62445	223 3631
53	7		62445	223 4056
53	8		62445	223 3605
53	9		62445	223 3996
53	10		62445	223 9584
53	11		62445	111 9611
53	12		62445	223 3710
54	1	2910-01-253-0453	62445	223 3907
54	2		62445	223 3736
54	3		62445	116 4216
54	4		62445	213 9557
54	5		62445	223 0063
54	6		62445	111 6956
54	7		62445	223 0064
54	8		62445	223 3913
54	9		62445	117 0831
55	1		62445	110 2664
55	2		62445	213 6035
55	3		62445	223 3922
55	4		62445	111 5406
55	5		62445	111 2232
55	6		62445	111 9609
55	7		62445	223 3926
55	8	3110-01-250-7757	62445	110 0960
56	1		62445	223 4078
56	2		62445	213 7256
57	1	2815-01-255-2160	62445	415 2197
57	2		62445	110 7821
57	3		62445	223 3660
57	4	2815-01-255-2205	62445	223 9262
57	5		62445	116 1084
57	6		62445	116 2302
57	7		62445	116 1089
58	1		62445	223 4013
58	2		62445	223 3656

## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
58	3		62445	335 7249
58	4	3120-01-251-2267	62445	223 4014
58	5	3120-01-250-7826	62445	223 3650
59	1		62445	112 4832
59	2		62445	223 3817
59	3		62445	111 5450
59	4		62445	112 6136
59	5		62445	223 9438
59	6		62445	223 9437
59	7		62445	223 3640
60	1		62445	223 3672
60	2		62445	336 7789
61	1		62445	111 1545
61	2		62445	110 7110
61	3		62445	223 3612
61	4		62445	335 6976
61	5		62445	116 7269
61	6	3120-01-251-2268	62445	335 7042
61	7		62445	223 9584
61	8		62445	111 9611
61	9		62445	346 9004
61	10		62445	111 8706
61	11		62445	337 1384
61	12		62445	337 1383
61	13		62445	110 3788
61	14		62445	121 6120
61	15		62445	223 4056
61	16		62445	223 3608
61	17		62445	121 6241
61	18		62445	110 5181
61	19		62445	116 5786
61	20		62445	117 0580
61	21		62445	116 7010
61	22		62445	116 0100
61	23		62445	116 7012
61	24		62445	116 3092
61	25		62445	116 3091
61	26		62445	223 3710
61	27		62445	213 1938
62	1		05748	02201
62	2		05748	28381
62	3		05748	02601
62	4		05748	62638
62	5		05748	74146
62	6		05748	73479
62	7		05748	76461SA
63	1	5120-01-253-0356	62445	003 0603
63	2	5120-01-252-0355	62445	003 1091
63	3	5210-01-204-5068	62445	003 0543
63	4	5120-01-204-5067	62445	003 0498
63	5	5210-01-247-6129	62445	003-0500

## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
63	6	5120-01-204-5071	62445	003 1102
63	7	5120-01-247-6131	62445	003-0463
63	8		36719	120630
63	9	4910-01-252-0356	62445	003 0562
63	10	5120-01-252-0357	62445	003 0794
63	11	5120-01-191-4503	62445	003-0504
63	12	5120-01-280-2284	62445	0030784
63	13	5120-01-252-3902	62445	003 1043
63	14	4910-01-256-0630	62445	003 0636
63	15	5120-01-252-3903	62445	003 1044
63	16	5120-01-252-3904	62445	003 1234
63	17	5120-01-204-5073	62445	003 0453
63	18	5110-01-203-7945	62445	003 0452
63	19	3460-01-203-7946	36719	003-0441
63	20	3460-01-203-7947	62445	003 0620
63	21	5120-01-203-7948	62445	003 0426
63	22	5120-01-252-3905	62445	003 0501
63	23	5120-01-252-3906	62445	003 0621
63	24	5210-01-252-3907	62445	003 0438
63	25	5120-01-247-6128	62445	003-0430
63	26	5120-01-252-0358	62445	003 0443
63	27	5120-01-252-6370	62445	131310
63	28	5120-01-254-1678	62445	003 0414
63	29	5120-01-203-7950	62445	003 0733
63	30	5120-01-252-3908	62445	003 0696
63	31	5120-01-252-6371	62445	143620
63	32	5120-01-259-9076	62445	003 0444
63	33	5120-01-252-3909	62445	003 0447
63	34	5120-01-252-3910	62445	003 0449
63	35	5120-01-253-8715	62445	003 0459
63	36	5120-01-252-6363	62445	003 0484
63	37	5120-01-203-7951	62445	003 1133
63	38	5120-01-167-5726	36719	150800

**By Order of the Secretary of the Army:**

Official:

**WILLIAM J. MEEHAN, II**  
*Brigadier General, United States Army*  
*The Adjutant General*


**CARL E. VUONO**  
*General United States Army*  
*Chief of Staff*

**DISTRIBUTION:**

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 <div style="border: 1px solid black; border-radius: 15px; padding: 5px; display: inline-block; margin-left: 20px;"> <p style="margin: 0;"><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> </div>		SOMETHING WRONG WITH PUBLICATION	
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PAGE NO.	PARA- GRAPH	FIGURE NO.	TABLE NO.
PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER		SIGN HERE	

## The Metric System and Equivalents

### Linear Measure

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

### Weights

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 decagram = 10 grams = .35 ounce  
 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 acres  
 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

To change	To	Multiply by	To change	To	Multiply by
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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**PIN: 062452-000**