

TECHNICAL MANUAL

UNIT AND INTERMEDIATE MAINTENANCE

REPAIR PARTS AND SPECIAL TOOLS LIST
FOR

**PUMPING ASSEMBLY,
FLAMMABLE LIQUID, BULK
TRANSFER, 50 GPM, CENTRIFUGAL,
DIESEL ENGINE DRIVEN
NSN 4320-01-171-9726**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY
21 MARCH 1988**

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

NO.1

Unit and Direct Support Maintenance
Repair Parts and Special Tools List
for

**PUMPING ASSEMBLY, FLAMMABLE LIQUID,
BULK TRANSFER, 50 GPM, CENTRIFUGAL,
DIESEL ENGINE DRIVEN
NSN 4320-01-212-2166**

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TECHNICAL MANUAL

No. 5-4320-308-23P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D. C., 21 March 1988

UNIT AND DIRECT SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

for

PUMPING ASSEMBLY, FLAMMABLE LIQUID, BULK TRANSFER,
50 GPM, CENTRIFUGAL, DIESEL ENGINE DRIVEN
NSN 4320-01-212-2166E

Current as of 9 September 1987

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UNIT AND INTERMEDIATE MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

SECTION I. INTRODUCTION

1. **SCOPE.** This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of Unit and Intermediate Maintenance of the Pumping Assembly. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

2. **GENERAL.** In addition to 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. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence. Repair parts kits are listed separately in their own functional group within Section II. Repair parts for repairable special tools are also listed in this section. Items listed are shown on the associated illustration(s)/figure(s).

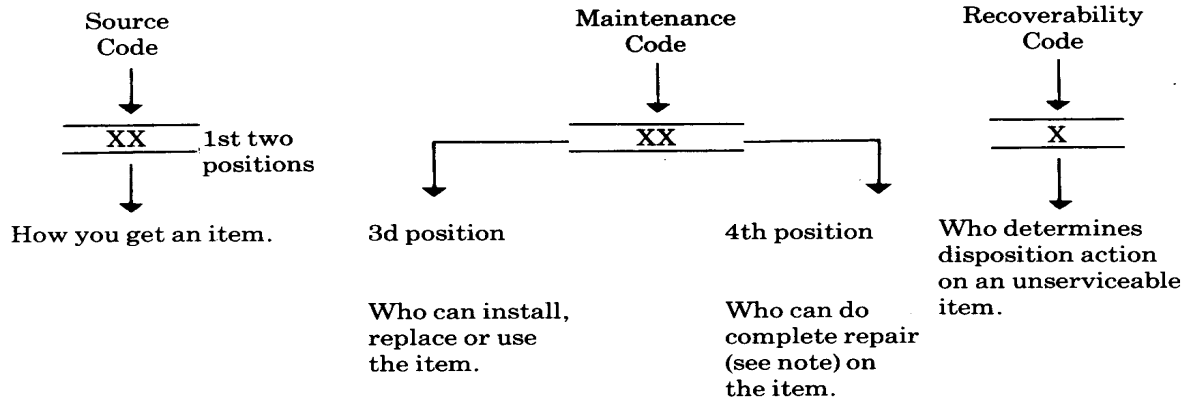
b. **Section III.** Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. **Section IV.** Cross-references Indexes. 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 number in alphanumeric sequence and cross-references NSN, FSCM 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 Repair: Maintenance capacity, capability, and authority to perform a11 corrective maintenance tasks of the "Repair" function in a use/user environment n order to restore serviceability to a failed item.

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

PA
PB
PC
PD
PE
PF
PG

Explanation

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 3d position of the SMR code.

**NOTE: Items coded PC are subject to deterioration.

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 3d position of the SMR code. The complete kit must be requisitioned and applied.

KD
KF
KB

Explanation

Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION and USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts list in this RPSTL. If the item is authorized to you by the 3d 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.

MO—Made at org/
AVUM category
MF—Made at DS/
AVUM category
MH—Made at GS
category
ML—Made at
Specialized
Repair Activity
(SRA)
MD—Made at Depot

AO —Assembled by org/AVUM category
 AF —Assembled by DS/AVUM category
 AH —Assembled by GS category
 AL —Assembled by SRA
 AD —Assembled by Depot

Explanation

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 3d 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

- XA--Do not requisition an "XA"-coded item. Order its next higher assembly. (Also, refer to the NOTE below.)
- XB--If an "XB" item is not available from salvage, order it using the FSCM 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 FSCM and part number given, if no NSN is available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 700-42.

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

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

Code	Application/Explanation
C--	Crew or operator maintenance done within organizational or aviation unit maintenance.
0--	Organizational or aviation unit category can remove, replace, and use the item.
F--	Direct support or aviation intermediate level can remove, replace, and use the item.

- H --General support level can remove, replace, and use the item.
- L --Specialized repair activity can remove, replace, and use the item.
- D --Depot level can remove, replace, and use the item.

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

Code	Application/Explanation
0	--Organizational or (aviation unit) is the lowest level that can do complete repair of the item.
F	--Direct support or aviation intermediate is the lowest level that can do complete repair of the item.
H	--General Support is the lowest level that can do complete repair of the item.
L	--Specialized repair activity 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	--Non reparable. 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	--Non reparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in 3d position of SMR Code.

Recoverability
Codes

Application/Explanation

- 0 --Reparable item. When uneconomically reparable, condemn and dispose of the item at organizational or aviation unit level.
- F --Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support or aviation intermediate level.
- H --Reparable item. When uneconomically reparable, condemn and dispose of the item at the general support level.
- D --Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item not authorized below depot level.
- L --Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).
- A --Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

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

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

NOTE

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

e. DESCRIPTION AND USABLE ON CODE (UOC) (Column (5)). This column includes the following information:

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

- (3) Items that are included in kits and sets are listed below the name of the kit or set.
- (4) Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.
- (5) Part numbers for bulk materials are referenced in this column in the line item entry for the item to be manufactured/fabricated.
- (6) When the item is not used with all serial numbers of the same model, the effective serial numbers are shown on the last line(s) of the description (before UOC).
- (7) The usable on code, when applicable (see paragraph 5, Special Information).
- (8) In the Special Tools List section, the basis of issue (BOI) appears as the last line(s) in the entry for each special tool, special TMDE, and other special support equipment. When density of equipments supported exceeds density spread indicated in the basis of issue, the total authorization is increased proportionately.
- (9) The statement "END OF FIGURE" appears just below the last item description in Column 5 for a given figure in both Section II and Section III.
- (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 in lieu of a quantity indicates that the quantity is variable and may vary from application to application.

4. EXPLANATION OF COLUMNS (SECTION IV).

a. NATIONAL STOCK NUMER (NSN) INDEX.

(1) **STOCK NUMBER column.** This column lists the NSN by National item identification number

(NIIN) sequence. The NIIN consists of the last nine digits of the

$$\frac{\text{NSN}}{\text{NIIN}}$$
 NSN, i.e. (5305-O1-574-1467).

When using this column to locate an item, ignore the first 4 digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

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

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

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

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

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

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

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

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

c. **FIGURE AND ITEM NUMBER INDEX.**

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

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

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

(5) **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.

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 applicable item description/ nomenclature. Uncoded items are applicable to all models.

b. ASSOCIATED PUBLICATIONS. The publications listed below pertains to the Pumping Assembly and its components.

Publication	Short Title
TM 5-4320-308-13	Pumping Assembly

6. HOW TO LOCATE REPAIR PARTS.

a. When National Stock Number or Part Number is NOT Known.

- (1) **First.** Using the table of contents, determine the assembly group or subassembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.
- (2) **Second.** Find the figure covering the assembly group or subassembly group to which the item belongs.
- (3) **Third.** Identify the item on the figure and note the item number.
- (4) **Fourth.** Refer to the Repair Parts List for the figure to find the part number for the item number noted on the figure.
- (5) **Fifth.** Refer to the Part Number Index to find the NSN, if assigned.

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

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

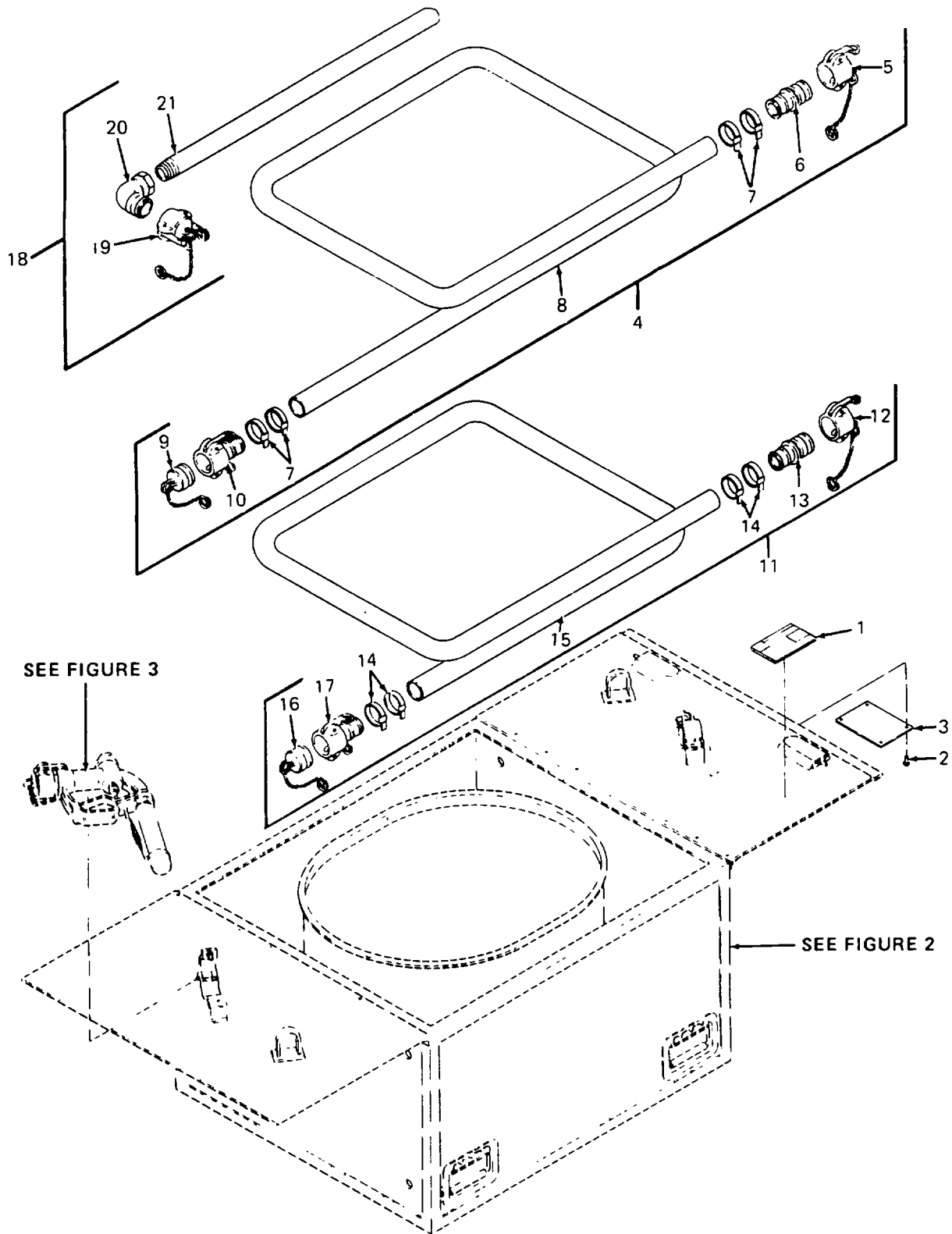


Figure 1. Pumping Assembly

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 00 PUMPING ASSEMBLY	
				GROUP 01 SUCTION HOSE ASSEMBLY	
				GROUP 02 DISCHARGE HOSE ASSEMBLY	
				GROUP 03 DRUM UNLOADER	
				FIG. 1 PUMPING ASSEMBLY	
1	XDUZZ	61080	036 381 01	TAG, MAINTENANCE ENGINE	1
2	PAOZZ	05748	01628	SCREW, DRIVE (NC).4X3/16 INCH LONG	4
3	XDUZZ	05748	51454	PLATE, IDENTIFICATION.	1
4	AFOFZ	05748	15657SA	HOSE ASSEMBLY, NONMETALLIC	3
5	PAOZZ	96906	MS27028-9	•CAP, QUICK DISC WITH CHAIN	1
6	PAFZZ	96906	MS27021-9	•COUPLING HALF, QUICK TYPE E	1
7	PAFZZ	81349	WW-C-440	•CLAMP TYPE H 1-1/2 IN	4
8	PAFFZ	81349	M370B05A13000	HOSE 1-1/2 INCH DIAMETER X 25 FT	1
			LG	
9	PAOZZ	96906	MS27029-9	•PLUG, QUICK DISC WITH CHAIN	1
10	PAFZZ	96906	MS27025-9	•COUPLING HALF, QUICK TYPE C	1
11	AFOFF	05748	78751SA	HOSE ASSEMBLY DISCHARGE	3
12	PAJZZ	96906	MS27028-9	•CAP, QUICK DISCONNECT WITH CHAIN	1
13	PAFZZ	96906	MS27021-9	•COUPLING HALF, QUICK TYPE E	1
14	PAFZZ	81349	WW-C-440	•CLAMP TYPE H 1-1/2 IN	4
15	PAFZZ	81349	MIL-H-11588	•HOSE TYPE II, 1-1/2 INCH DIAMETER	1
				X 25 FEET LONG	
16	PAOZZ	96906	MS27029-9	•PLUG, QUICK DISCONNECT WITH CHAIN	1
17	PAFZZ	96906	MS27025-9	•COUPLING HALF, QUICK 2 IN., TYPE C	1
18	AFOFF	05748	78652SA	UNLOADER, Drum	1
19	PAOZZ	96906	MS27028-9	•CAP, QUICK DISCONNECT	1
20	PBFZZ	97403	13217E2983	•COUPLING HALF, QUICK 90 DEGREES, 1-	1
				1/2 IN NPT	
21	PBFZZ	05748	78400	•STUB, UNLOADER SUCTION	1

END OF FIGURE

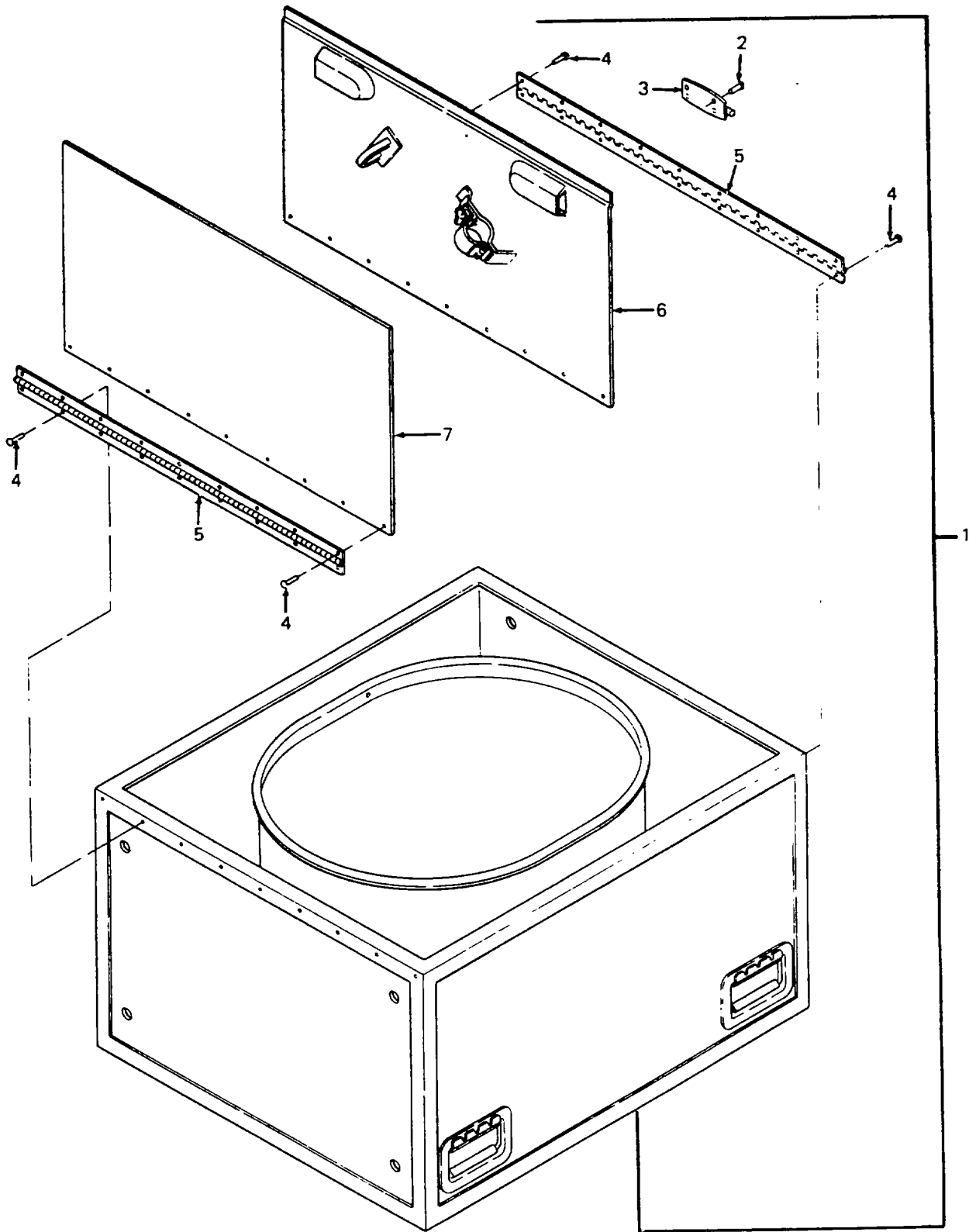


Figure 2. Storage Container

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

GROUP 04 STORAGE CONTAINER

FIG. 2 STORAGE CONTAINER

1	XDOFZ	05748	12189SA	BOX ASSEMBLY, PORTAB	1
2	XDFZZ	96906	MS20470AD4-5	•RIVET, SOLID 0.125 INCH DIAMETER X	18
				•.312 INCH LONG	
3	XDFZZ	05748	08423	•BOLT, LOCK	2
4	XDFZZ	96906	MS20470AD4-5	•RIVET, SOLID HEAD .125 INCH	26
				DIAMETER X .312 INCH LONG	
5	XDFZZ	96906	MS20257-5-335	•HINGE 2.00 INCHES WIDE X 33.50	2
				INCHES LONG	
6	XDFZZ	05748	08408	COVER, NUMBER 1	1
7	XDFZZ	05748	08409	COVER, NUMBER 2	1

END OF FIGURE

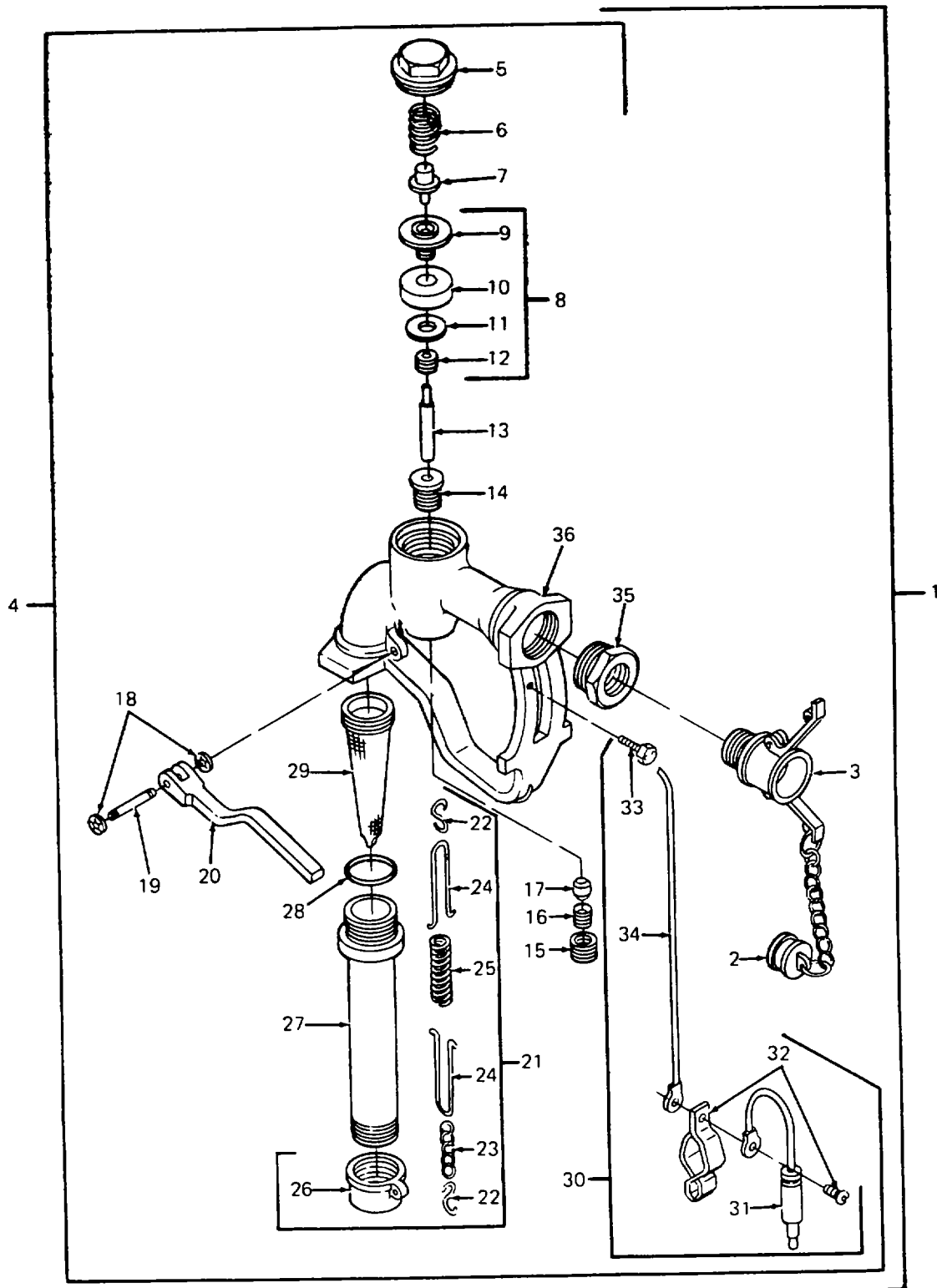


Figure 3. Nozzle Assembly

SECTION II

TM 5-4320-308-23P

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

GROUP 05 NOZZLE ASSEMBLY

FIG. 3. NOZZLE ASSEMBLY

1	AFOZZ	05748	15689SA	NOZZLE ASSEMBLY.....	2
2	PAOZZ	96906	MS27029-9	..PLUG,QUICK DISCONN WITH CHAIN	1
3	PAOZZ	96906	MS27026-9	..COUPLING HALF,QUICK.....	1
4	PBOFF	81349	MIL-N-52110	..NOZZLE ASSEMBLY SIZE 2,CLASS 2,.....	2
				TYPE I	
5	XDFZZ	81718	H-9600-AG	..CAP.....	1
6	XDFZZ	81718	H-136-M	..SPRING	1
7	XDFZZ	81718	H-10432	..POPPET,UPPER	1
8	XDFZZ	81718	H-9899	..POPPET ASSEMBLY LOWER.....	1
9	XDFZZ	81718	H-1670-M	..HOLDER,LOWER DISC	1
10	XDFZZ	81718	H-502-M	..DISC,LOWER	1
11	XDFZZ	81718	H-428-RAG	..WASHER,LOWER DISC	1
12	XDFZZ	81718	H-213-RB	..NUT.....	1
13	XDFZZ	81718	H-538-RE	..STEM	1
14	XDFZZ	81718	H-195-RB	..BOX,STUFFING	1
15	XDFZZ	81718	H-113-RAG	..NUT,PACKING	1
16	XDFZZ	81718	H-7012-M	..GLAND,PACKING.	1
17	XDFZZ	81718	H-714-M	..PACKING.....	1
18	XDFZZ	81718	H-3163-M	..PUSHNUT.....	2
19	XOFZZ	81718	H-8164-M	..PIN	1
20	XDFZZ	81718	H-1668-B	..LEVER	1
21	XDOOO	81718	296-CA-1-5/8	..CAPASSEMBLY,DUST.....	1
22	XDOZZ	81718	H-3673-M	...HOOK,CHAIN,S.....	2
23	XDOZZ	81718	H-9597-R8	...CHAIN	1
24	XDOZZ	81718	H-9210-M	...DRAWBAR	2
25	XDOZZ	81718	H-9209-M	...SPRING,COMPRESSIONI	1
26	XDOZZ	81718	H-3804-AG	...CAP.....	1
27	XDOZZ	81718	190-GT-1-1/2	..SPOUT ASSEMBLY	1
28	XDOZZ	81718	H-7670-M	..PACKING,PREFORMED.....	1
29	XDOZZ	81718	153-1-1/2X1-5/8	..STRAINER ASSEMBLY NOZZLE	1
30	PBOCZ	81718	616-W	..DISCHARGER,ELECTROS GROUND	1
31	XDOZZ	81718	HC-616-P	...PLUG,GROUND WIRE.....	1
32	XDOZZ	81718	H-5482-M	...CLIP	1
33	XDOZZ	81718	HC-616-S	...SCREW,PLUG.....	1
34	XDOZZ	81718	H-5132-RS	...CABLE	1
35	XDOZZ	81718	H-2789-AG	..BUSHING.....	1
36	XDFZZ	81718	D-546-AG	..BODY	1

END OF FIGURE

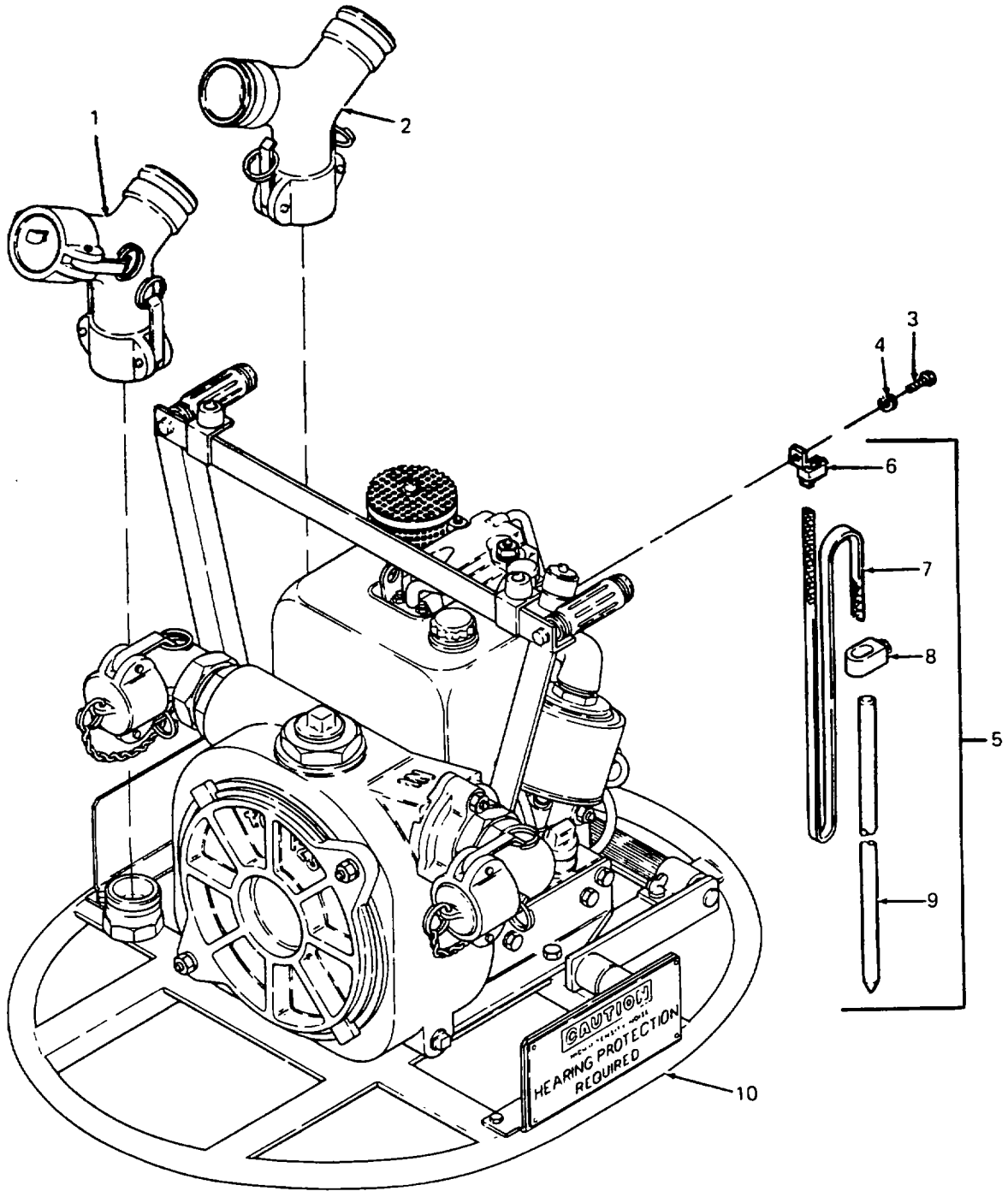


Figure 4. Pump Assembly

SECTION II

TM 5-4320-308-23P

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

GROUP 06 Y-CONNECTOR

GROUP 07 GROUND ROD

GROUP 08 PUMP ASSEMBLY

FIG. 4 PUMP ASSEMBLY

1	PBOZZ	05748	78398SA	CONNECTOR Y,MALE-DOUBLE FEMALE	1
2	PBOZZ	81718	319-K-1.50	CONNECTOR Y,FEMALE-DOUBLE MALE	1
3	PAOZZ	05748	78241	SCREWG CAP HEX HEAD M6X20MM LONG	1
4	PAOZZ	05748	02591	WASHER,LOCK 1/4 INCH ID	1
5	PBOFF	97403	13226E1308	ROD ASSEMBLY GROUND.....	1
6	PAFZZ	59730	35401	.TERMINAL,LUG GRO OUND	1
7	PAFZZ	94130	6020	.CABLE,GROUND	1
8	PAFZZ	59723	5491	.CLAMP,ROD.....	1
9	XDOZZ	05748	78666	.ROD, GROUNDING.....	1
10	XDOHD	05748	78687SA	PUMP AS SEMY.....	1

END OF FIGURE

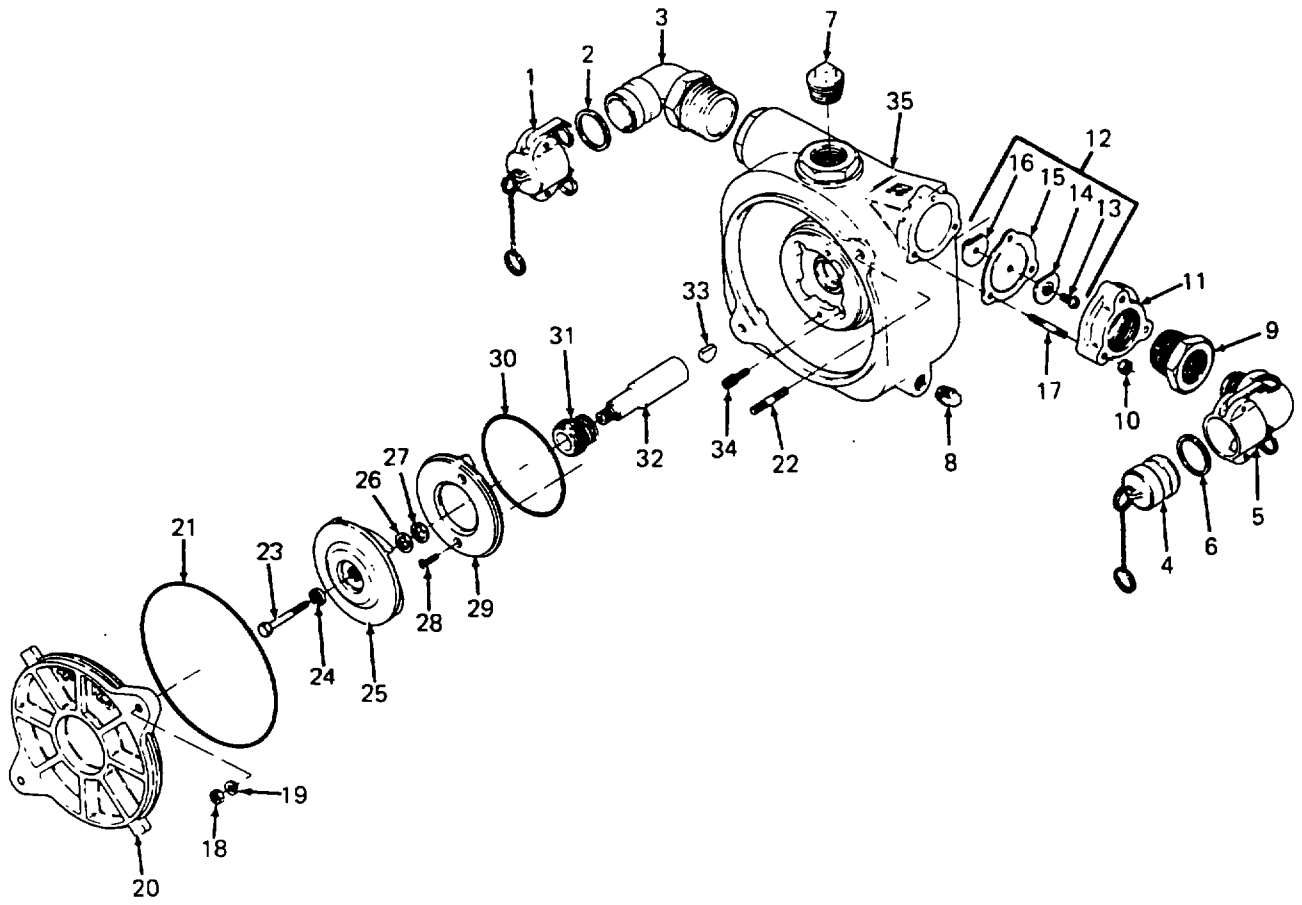


Figure 5. Pump

SECTION II

TM 5-4320-308-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 08 PUMP ASSEMBLY					
FIG. 5 PUMP					
1	PAOZZ	96906	MS27028-9	.CAP,QUICK DISCONNEC	1
2	PAOZZ	96906	MS27030-5	.GASKET	1
3	PAOZZ	97403	13217E6306	.COUPLING HALF,QUICK 90 DEGREE	1
4	PAOZZ	96906	MS27029-9	ELBOW .PLUG,QUICK DISCONN WITH CHAIN	1
5	PAOZZ	81718	633-HL	.COUPLING,FEMALE 1-1/2 INCH NPT,90.....	1
6	PAOZZ	96906	MS27030-5	DEGREE ELBOW ..GASKET	1
7	PAOZZ	96906	MS51884-15	.PLUG,PIPE 1-1/2 INCH NPT	1
8	PAOZZ	05748	15000	.PLUG,PIPE 3/8 INCH NPT	1
9	PAOZZ	72423	4171	.BUSHING,REDUCING 2 INCH NPT TO 1-.....	1
10	PAOZZ	96906	MS51968-5	1/2 INCH NPT,BRASS .NUT,PLAIN,HEXAGON 5/16-24	3
11	XDOZZ	97403	13200E8814	.FLANGE PIPE	1
12	PAOOZ	97403	13200E8810	.FLAPPER,FOOT VALVE ASSEMBLY.....	1
13	PAOZZ	96906	MS35214-69	..SCREW,MACHINE 1/4-20X1/2 INCH	1
14	XDOZZ	97403	13200E8811	LONG ..WEIGHT,CHECK VALVE	1
15	PAOZZ	97403	13200E8813	..GASKET	1
16	XDOZZ	97403	13200E8812	..WEIGHT,CHECK VALVE,	1
17	PAOZZ	96906	MS51864-103-18	.STUD 5/16-18 NC X 5/16-24 UNF X 1/.....	3
18	PAOZZ	96906	MS51968-14	4 INCH LONG .NUT,PLAIN,HEXAGON 1/2-20	2
19	PAOZZ	96906	MS27183-18	.WASHER,FLAT /2 INCH I.D.	2
20	XDOZZ	97403	13200E8809	.VOLUTE,PUMP	1
21	PAOZZ	96906	MS29513-273	.PACKINGC,PREFORMED NOMINAL SIZE 1/.....	1
22	PAOZZ	96906	MS51864-106-20	8X9-3/4X10 PART OF KIT P/N 78678SA .STUD,PLAIN 1/2-13X1/2-20X2-3/8	2
23	PAOZZ	96906	MS35298-43	INCHES LONG .SCREW,CAP 5/16-24X2-3/4 INCH LONG.	1
24	KFOZZ	97403	13200E8802	.RETAINER,PACKING 5/16 INCH PART OF	1
25	XDOZZ	97403	13200E8808	KIT P/N 76678SA .IMPELLER,PUMP,CENTER.....	1
26	PAOZZ	97403	13200E8807-1	.SHIM 0.010 INCH THICK	2
27	PAOZZ	97403	13200E8807-2	.WASHER,FLAT 0.030 INCH THICK.....	1
28	PAOZZ	96906	MS35198-70	.SCREW,MACHINE HEAD 1/4-20X5/8	2
29	XDOZZ	97403	13200E8815	INCH LONG .PLATE,WEAR,PUMP	1
30	KFOZZ	96906	MS29513-253	.PACKING,PREFORMED NOMINAL SIZE 1/.....	1
31	KFOZZ	97403	13200E8806	8X5-3/8X5-5/8 PART OF KIT P/N 78678 SA .SEAL,SHAFT PART OF KIT P/N 78678SA.....	1
32	XDOZZ	97403	13200E8804	.SHAFT,SHOULDERED	1
33	PAOZZ	96906	MS35756-34	.KEY,WOODRUFF 3/16X5/8 INCH LONG	1
34	KFOZZ	97403	13200E8861	.SCREW,CAP,SOCKET HE 5/16-24X7/8.....	4
35	AOOFF	05748	78692SA	INCH LONG PART OF KIT P/N 78678SA .PUMP CASE ASSEMBLY.....	1

SECTION II

TM 5-4320-308-23P

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

PAOZZ	05748	78678SA		.KIT,REPAIR PUMP.....	1
				PACKING,PREFORMED (1) 5-21	
				PACKING,PREFORMED (1) 5-30	
				RETAINER,PACKING (1) 4-24	
				SCREW,CAP, SOCKET HE (4) 5-34	
				SEAL,SHAFT (1) 5-31	

END OF FIGURE

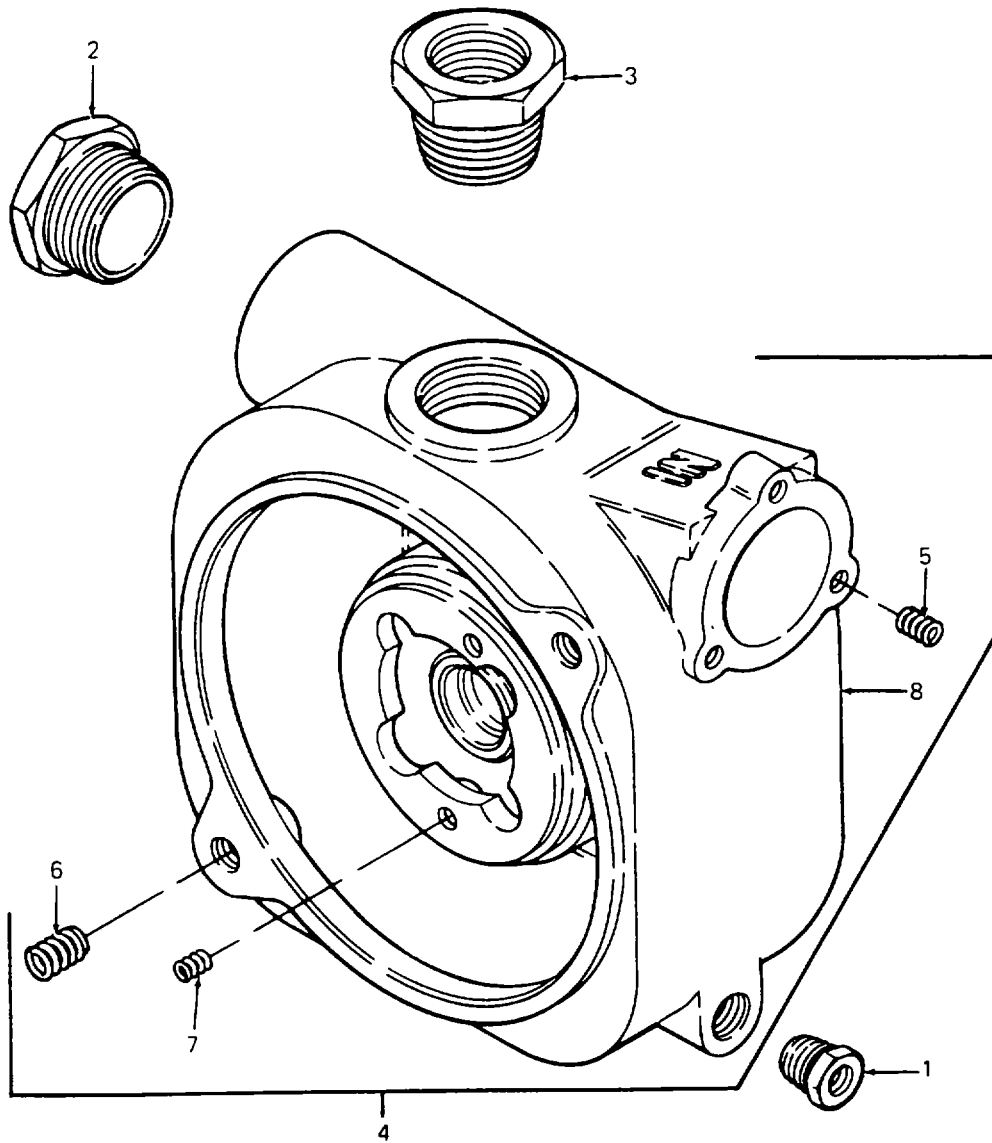


Figure 6. Pump Case Assembly

SECTION II

TM 5-4320-308-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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FIG. 6 GROUP 09 PUMP CASE ASSEMBLY

1	PAOZZ	96906	MS51887-7C	..BUSH[NG,PIPE 1/2NPTX3/BNPT	1
2	PACZZ	97403	13218E0468-227	..BUSHING 2NPTX1-1/2NPT	1
3	PAOZZ	72423	4171	..BUSING,REDUCING 2 INCH NPT TO 1- 1/2 INCH NPT,BRASS	1
4	XDOFZ	97403	13200E8803	..BOOY,PUMP HELICAL INSERT ASSEMBLY.....	1
5	PAFZZ	96906	MS122122	...INSERT,SCREW THREAD 5/16-18	3
6	PAFZZ	96906	MS122125	...INSERT,SCREW, THR 1/2-13X3/4	2
7	PAFZZ	96906	MS122121	...INSERT,SCREW THREAD 1/4-2dX3/8	2
8	XAFZZ	05748	29593	...CASEPUMP	1

END OF FIGURE

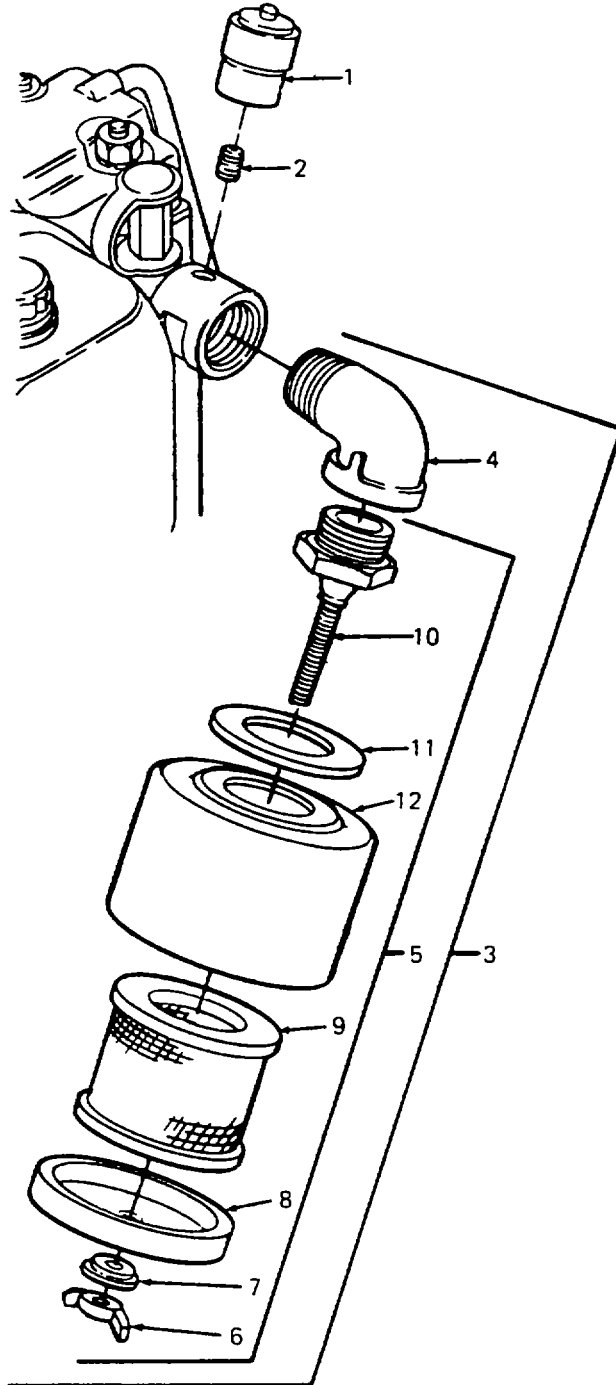


Figure 7. Air Filter Assembly

SECTION II

TM 5-4320-308-23P

(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 AIR FILTER ASSEMBLY

FIG. 7. AIR FILTER ASSEMBLY

1	PAOZZ	18265	RBX30-2250	.INDICATUR, RESTRICTION	1
2	XDOZZ	05748	03245	.NIPPLE,CLOSE NPT 1/8 NPT X 3/4	1
				IN LG	
3	AOOOO	05748	76789SA	.AIR CLEANER ASSEMBLY.....	1
4	XDOZZ	05748	05805	..ELBOW,STREET 1 1/4 IN NPT	1
5	XDOZZ	00736	204-302	..CLEANER,AIR	1
6	PAOZZ	00736	20515	...NUT .375-16	1
7	PAOZZ	00736	22852	...WASHER,SEALING.	1
8	XDOZZ	00736	1NB-001	...TOP.....	1
9	PAOBZ	00736	1DM-007	...FILTER,AIR.....	1
10	XDOZZ	00736	12PGJW/STEM	...CONNECTOR1BASE	1
11	PAOZZ	00736	128-006	...GASKET	1
12	XDOZZ	00736	204302-800	...HOOD,RAIN.....	1

END OF FIGURE

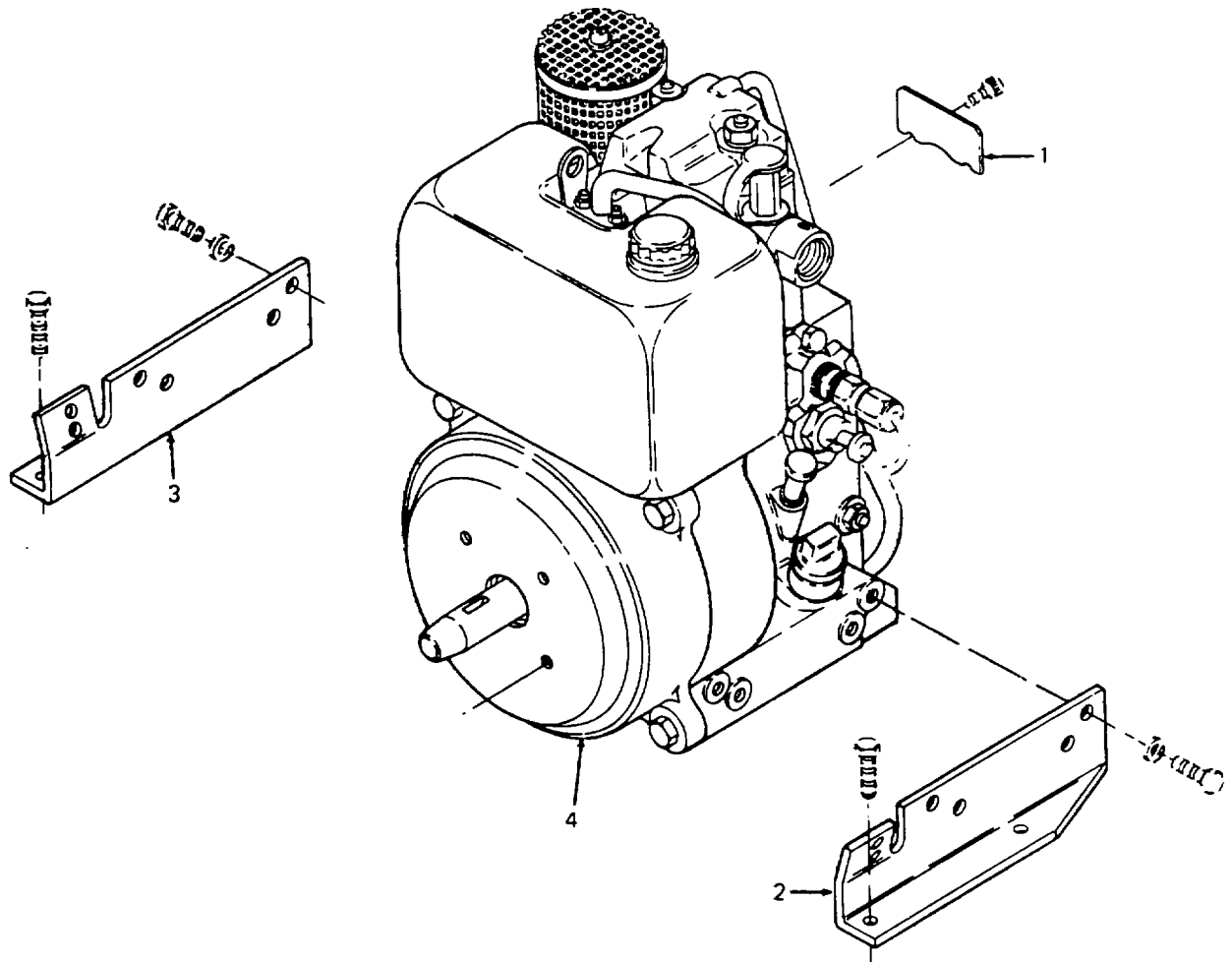


Figure 8. Engine Assembly

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

GROUP 11 ENGINE ASSEMBLY

FIG. 8. ENGINE ASSEMBLY

1	XDOZZ	05748	79220	.PLATE, THROTTLE	1
2	XDOZZ	05748	79222	.BRACKET, MOUNTING RIGHT	1
3	XDOZZ	05748	79221	.BRACKET, MOUNTING LEFT	1
4	PBFHH	61080	E673LHK-216	.ENGINE	1

END OF FIGURE

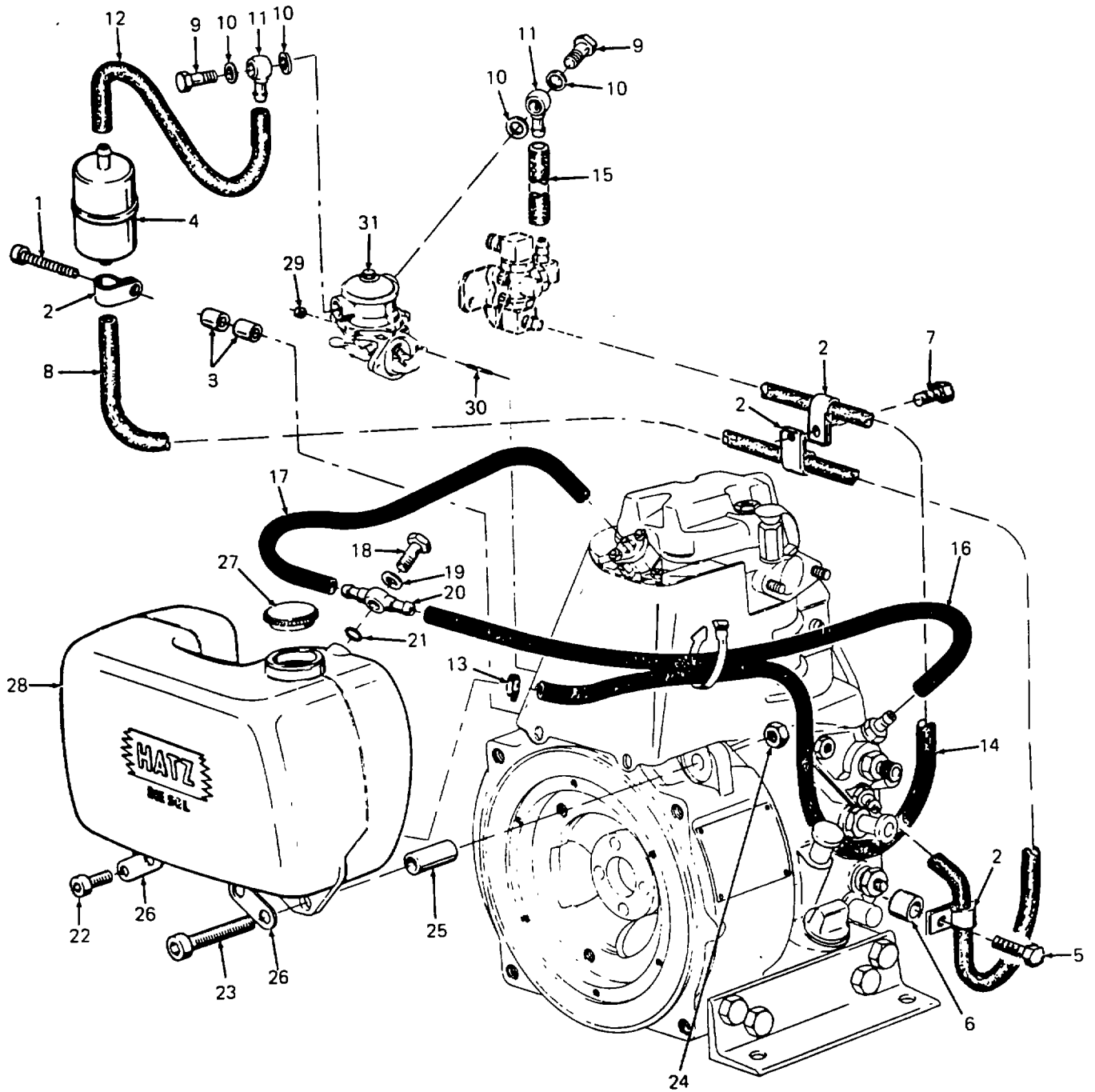


Figure 9. Fuel System

SECTION II

TM 5-4320-308-23P

(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 FUEL SYSTEM

FIG. 9 FUEL SYSTEM

1	PAOZZ	61080	500 527 00	..SCREW,HEX M8X50.....	1
2	PAOZZ	61080	031 655 00	..CLIP,PIPE.....	4
3	PAOZZ	61080	035 206 00	..SPACER 9X14X20	2
4	PAOZZ	61080	400 894 01	..FILTER,FUEL	1
5	PAOZZ	61080	501 731 00	..SCREW,HEX M8X10.....	1
6	PAOZZ	61080	032 929 00	..SPACER,SLEEVE	1
7	PAOZZ	61080	501 339 00	..SCREW,HEX M8X12.....	1
8	MOOZZ	61080	035 256 00	..HOSE,FUEL 400MM LG,CUT FROM BULK	1
				P/N 801-4,FSCM 87373	
9	XDOZZ	61080	500 064 00	..BOLT,BANJO.....	2
10	PAOZZ	61080	500 012 00	..GASKET	4
11	XDOZZ	61080	500 159 00	..PIECE,RING	2
12	MOOZZ	61080	034 931 00	..HOSE,FUEL 60MM LG,CUT FROM BULK	1
				P/N 801-4,FSCM 87373	
13	PAOZZ	61080	400 373 00	..CLAMP.....	1
14	MOOZZ	61080	036 742 00	..HOSE,FUEL 55MM LG,CUT FROM BULK	1
				P/N 801-4,FSCM 87373	
15	MOOZZ	05748	41136	..HOSE,FUEL 6.75 IN LG,CUT FROM	1
				BULK P/N 801-4,FSCM 87373	
16	MOOZZ	61080	034 936 00	..HOSE,FUEL 330MM LG,CUT FROM BULK	1
				P/N 801-4,FSCM 87373	
17	MOOZZ	61080	034 933 00	..HOSE,FUEL 140MM LG,CUT FROM BULK	1
				P/N 801-4,FSCM 87373	
18	XDOZZ	61080	501 697 00	..BOLT,BANJO.....	1
19	PAOZZ	61080	500 624 00	..WASHER,SEALING	1
20	XDOZZ	61080	400 933 00	..PIECE,DOUBLE RING	1
21	PAOZZ	61080	501 583 00	..WASHER 10.5 DIN.....	1
22	XDOZZ	61080	501 715 00	..SCREW,ALLEN M8X25.....	1
23	XDOZZ	61080	501 716 00	..SCREW,ALLEN M8X65.....	2
24	XDOZZ	61080	400 284 00	..NUT,HEX M8	2
25	XDOZZ	61080	034 930 00	..TUBE,SPACER.....	2
26	XDOZZ	61080	035 258 00	..SPACER	4
27	PBOZZ	61080	400 326 11	..CAP,FUEL TANK.....	1
28	XDOZZ	61080	006 913 00	..TANK,FUEL	1
29	PAOZZ	61080	400 283 00	..NUT,SELF-LOCKING,HE M6	2
30	PAOZZ	61080	501 443 00	..STUD M6X5.....	2
31	PBOFF	61080	501 814 00	..PUMP,LIFT	1

END OF FIGURE

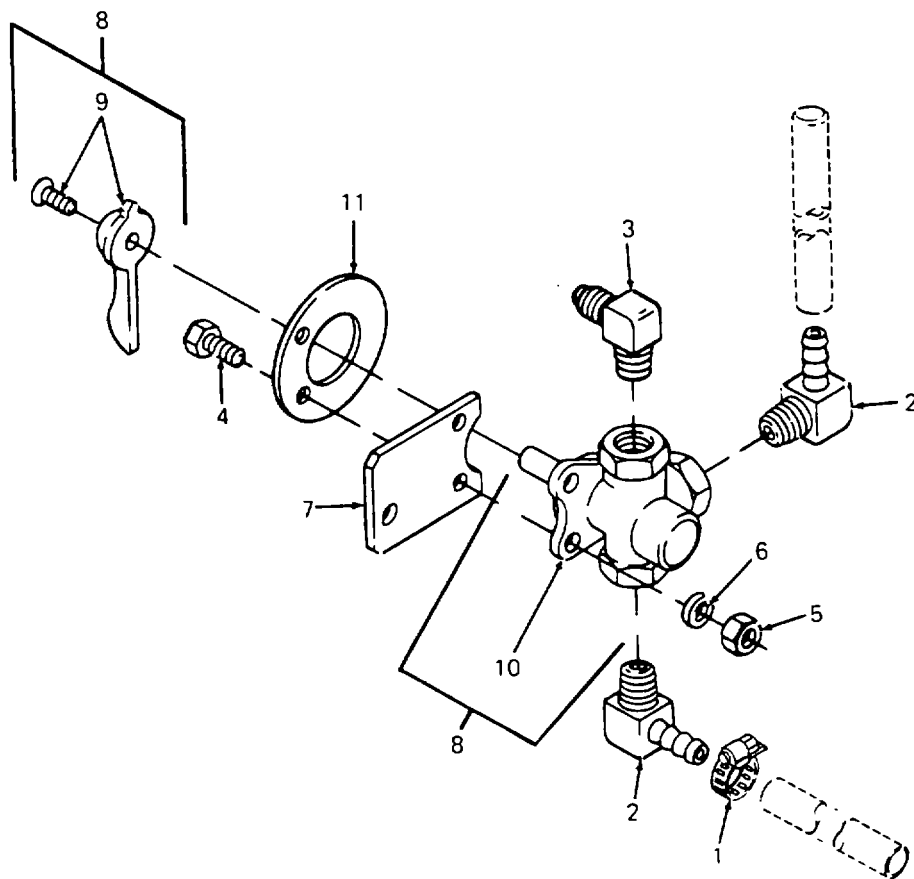


Figure 10. Three-Way Valve

SECTION II

TM 5-4320-308-23P

(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 FUEL SYSTEM

FIG. 10. THREE-WAY VALVE

1	PAOZZ	81646	6202	.CLAMP,HOSE 7/32 IN MIN. 5/8 IN..... MAX	
2	PAOZZ	62727	139E-44	.ELBCW,90 DEGREES, BARBED,HOSE ID..... 1/4X1/4 IN NPT	1
3	PAOZZ	05748	73477	.ELBOW,PIPE TO TUBE BRASS,1/4 NPT..... MALE X 5/16 TUBE	1
4	PAOZZ	96906	MS90725-6	.SCREW,CAP,HEXAGON H 1/4-20 UNC 2AX3/4 INCH LONG	2
5	PAOZZ	05748	02760	.NUT,PLAIN,HEXAGON 1/4-20 UNG-2A, STEEL CADMIUM PLATED	2
6	PAOZZ	05748	02591	.WASHER,LOCK 1/4 INCH,STEEL CADMIUM PLATED	2
7	XDOZZ	05748	79829	.BRACKET,3-WAY VALVE	1
8	PBOZZ	05748	32154	.VALVE,PUMP 3- WAY.....	1
9	XAOZZ	79470	6746	..HANDLE WITH SCREW.	1
10	XAOZZ	79470	6749	..COCK,PLUG.....	1
11	XDOZZ	05748	77123	.PLATE,FUEL	1

END OF FIGURE

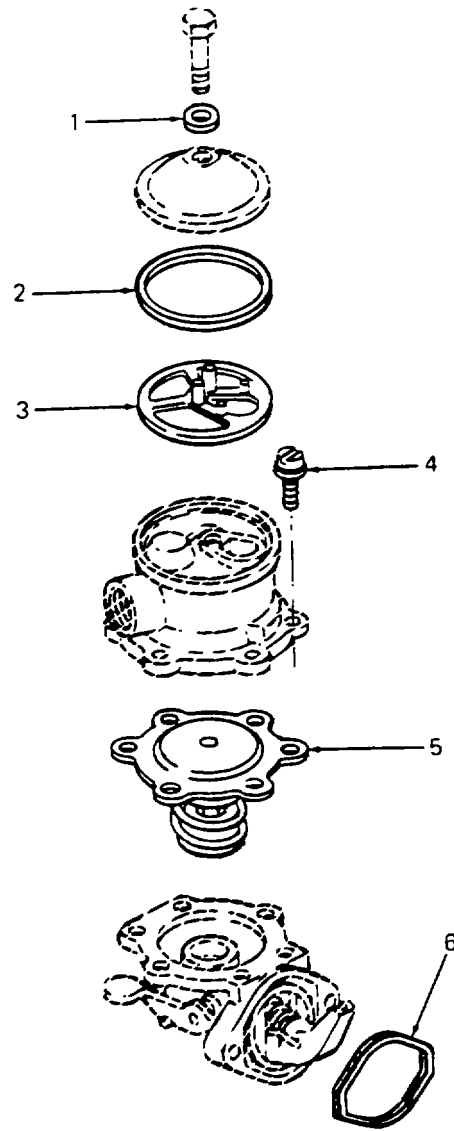


Figure 11. Fuel Lift Pump

(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 FUEL SYSTEM

FIG. 11 FUEL LIFT PUMP

1	PAFZZ	61080	490 185 00	...GASKET	1
2	PAFZZ	61080	490 184 00	...GASKET	1
3	PAFZZ	61080	490 183 00	...FILTER,FUEL	1
4	PAFZZ	61080	490 181 00	...SCREW.ALLEN	6
5	PAFZZ	61080	490 182 00	...DIAPHRAGM	1
6	PAFZZ	61080	501 299 00	...GASKET	1

END OF FIGURE

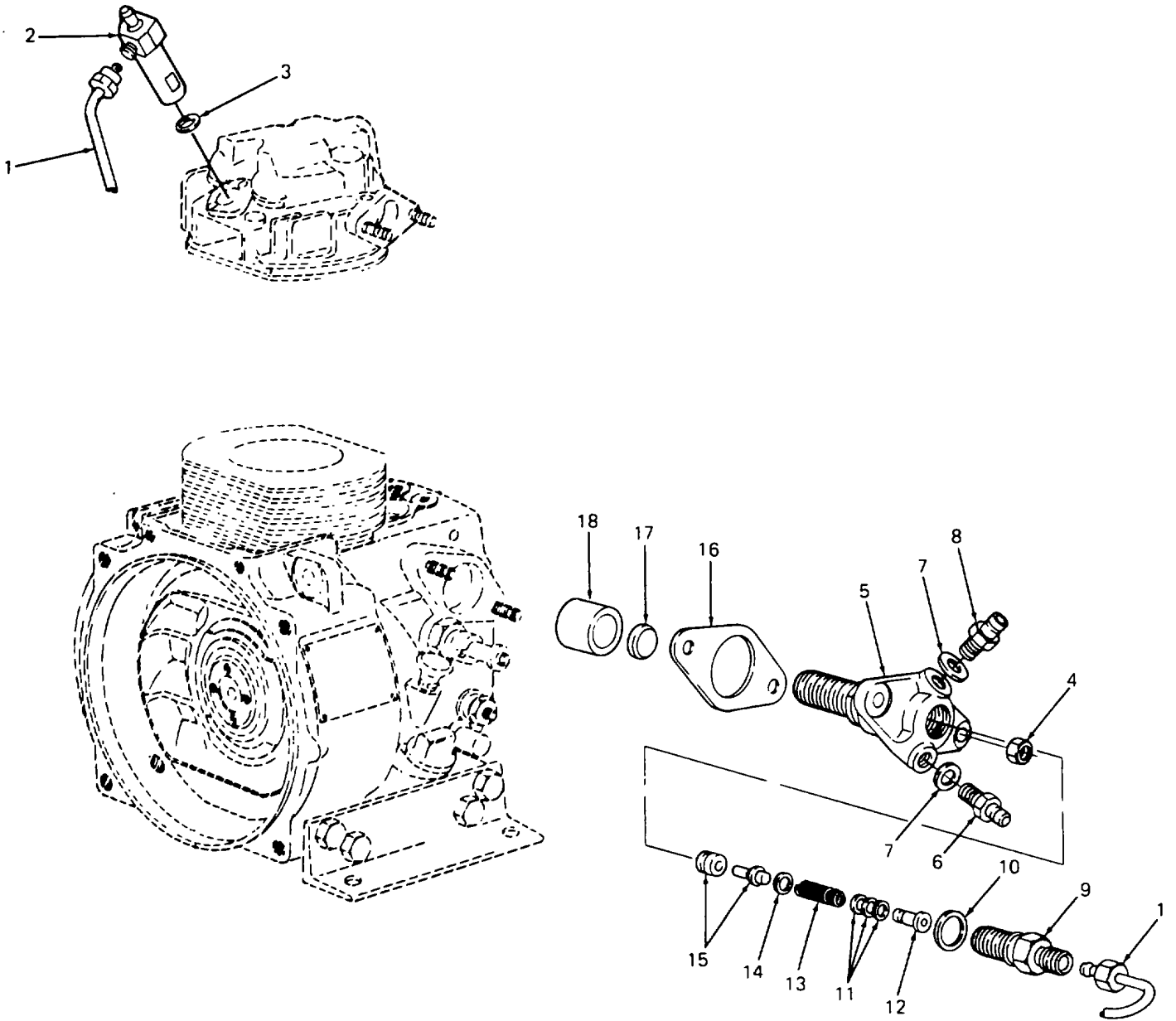


Figure 12. Injection System

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 12 FUEL SYSTEM					
FIG. 12 INJECTION SYSTEM					
1	PBOZZ	61080	034 057 00	...PIPE, FUEL PRESSURE	1
2	PAFZZ	61080	400 066 00	...INJECTOR	1
3	PAFZZ	61080	400 031 00	...WASHER, JOINT	1
4	PAFZZ	61080	500 229 00	...NUT, PLAIN, HEXAGON MB DIN 934-8.....	2
5	PFBZ	61080	400 802 01	...PUMP, INJECTION	1
6	XDFZZ	61080	034 850 00	...CONNECTION, HOSE	1
7	PAFZZ	61080	500 011 03	...GASKET	2
8	PAFZZ	61080	006 710 01 VALVE, NON-RETURN	1
9	XDFZZ	61080	490 031 00 CONNECTOR	1
10	PAFZZ	61080	490 047 00 PACKING, PREFORMED	1
11	XDFZZ	61080	490 043 00 SHIM	3
12	XDFZZ	61080	490 039 00 PIECE, FILLING	1
13	XDFZZ	61080	490 037 00 SPRING, VALVE DELIVERY	1
14	PAFZZ	61080	490 044 00	...GASKET	1
15	XDFZZ	61080	490 369 00	...VALVE, DELIVERY	1
16	PAFZZ	61080	032 094 00	...SHIM 0.010MM	1
16	PAFZZ	61080	032 095 00	...GASKET 0.15MM.....	1
16	PAFZZ	61080	032 096 00	...GASKET 0.20MM.....	1
16	PAFZZ	61080	032 097 00	...SHIM 0.31MM	1
16	PAFZZ	61080	032 098 00	...SHIM .5M	1
17	XDFZZ	61080	030 626 00	...PLATE	1
18	XDFZZ	61080	030 640 00	...TAPPET	1

END OF FIGURE

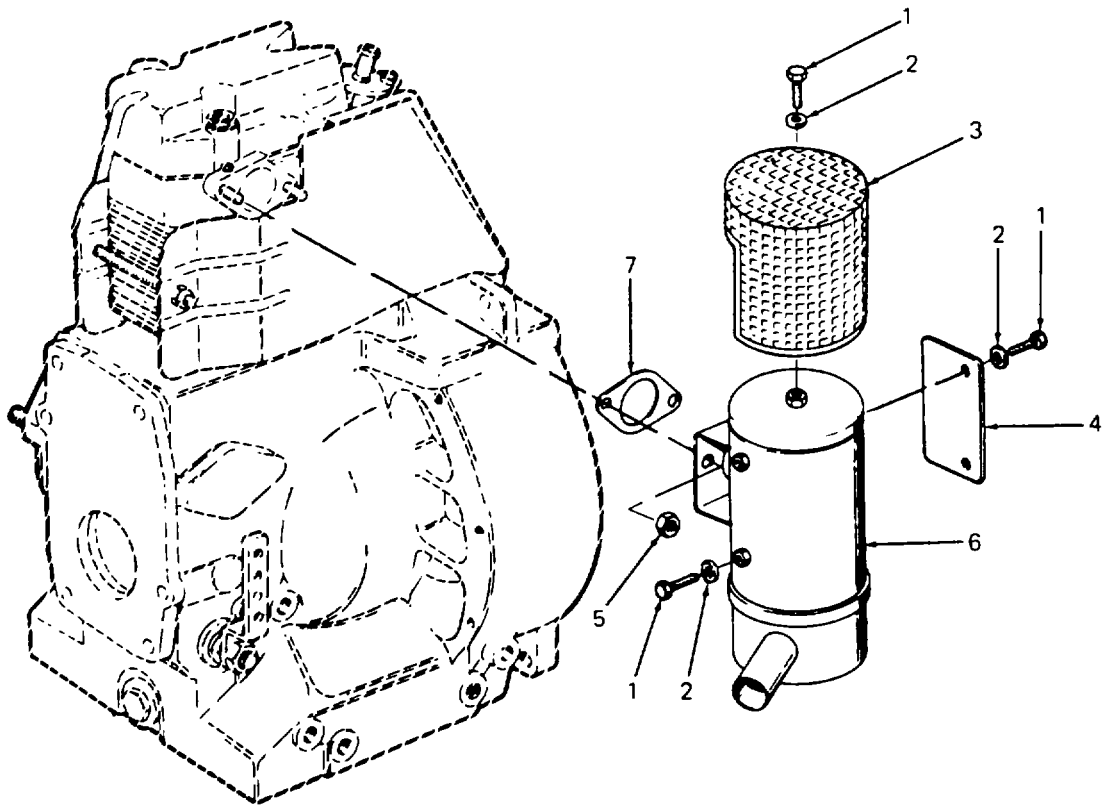


Figure 13. Exhaust System

SECTION II

TM 5-4320-308-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 13 EXHAUST SYSTEM					
FIG. 13 EXHAUST SYSTEM					
1	XDOZZ	61080 501 731 00		...SCREW, HEX HEAD M8X10 DIN 912-8.8ZN.....	4
2	XDOZZ	61080 500 168 00		...WASHER 8, 4MS DIN 125-MS	4
3	XDOZZ	61080 007 852 00		...GUARD, MUFFLER	1
4	XDOZZ	61080 036 997 00		...PLATE, WARNING	1
5	PAOZZ	61080 400 816 00		...NUT, HEXAGON.....	2
6	PBOZZ	61080 008 649 00		...MUFFLER, EXHAUST	1
7	PAOZZ	61080 501 224 00		...GASKET.....	1

END OF FIGURE

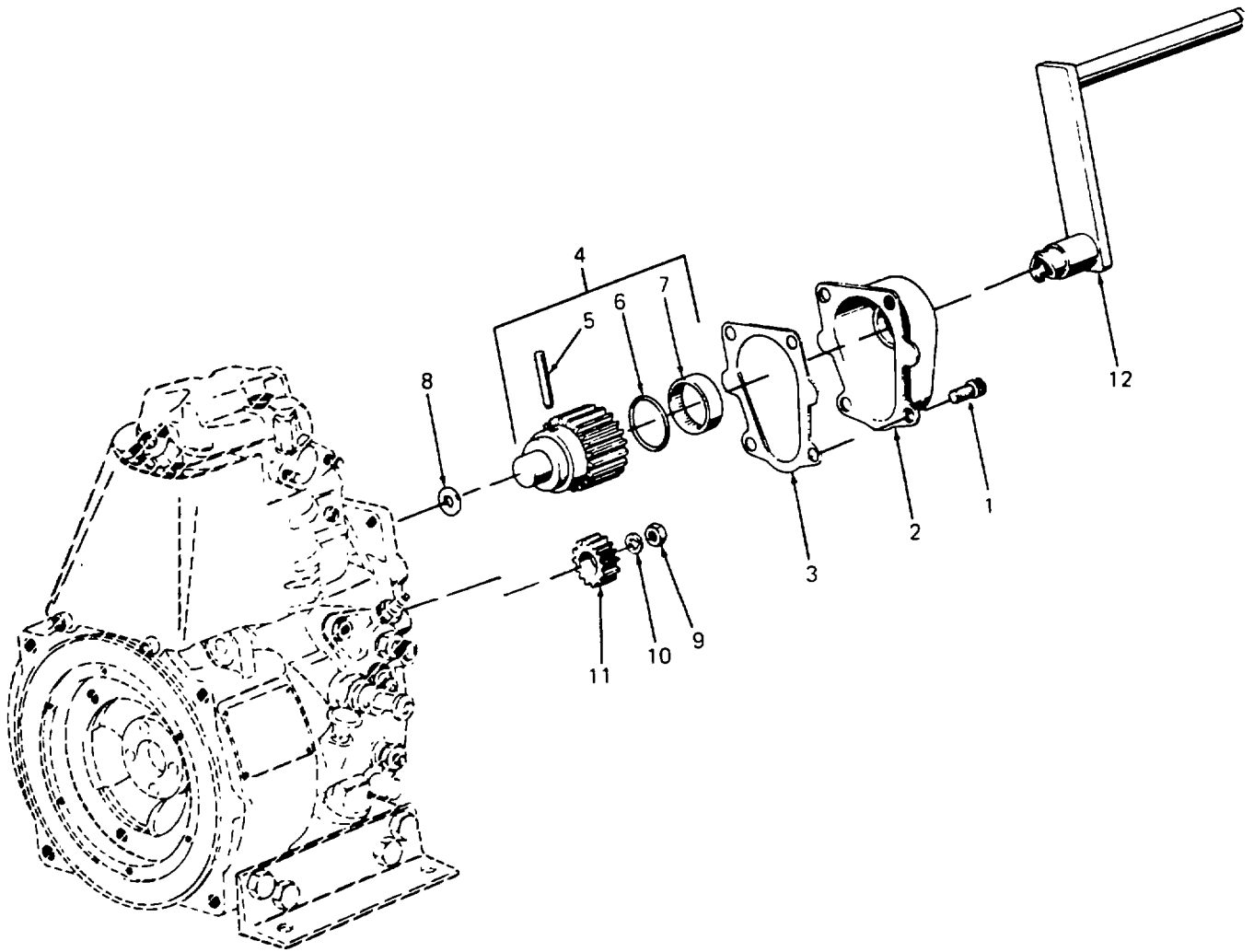


Figure 14. Crank Assembly

SECTION II

TM 5-4320-308-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 14 CRANK ASSEMBLY					
FIG. 14 CRANK ASSEMBLY					
1	PAFZZ	61080 500 534 00		...SCREW, ALLEN M10X16 DIN 912-8.8	4
2	XDFZZ	61080 003 137 01		...HOUSING	1
3	PAFZZ	61080 032 100 00		...GASKET.....	1
4	XDFZZ	61080 004 106 11		...WHEEL, GEAR ASSY.....	1
5	XDFZZ	61080 032 620 00	STUD	1
6	PAFZZ	61080 502 524 00	SEAL, OIL	1
7	PAFZZ	61080 400 190 00	SHELL, NEEDLE	1
8	PAPLZ	61080 400 013 00		...DISC.....	1
9	XDFZZ	61080 500 245 00		...NUT, HEXAGON M16X1, 5 DIN 936-17 H	1
10	XDFZZ	61080 500 032 00		...WASHER, SPRING 16MV DIN 128	1
11	XDFZZ	61080 031 124 10		...PINION.....	1
12	PBOZZ	61080 003 150 00		...HANDLE, STARTING	1

END OF FIGURE

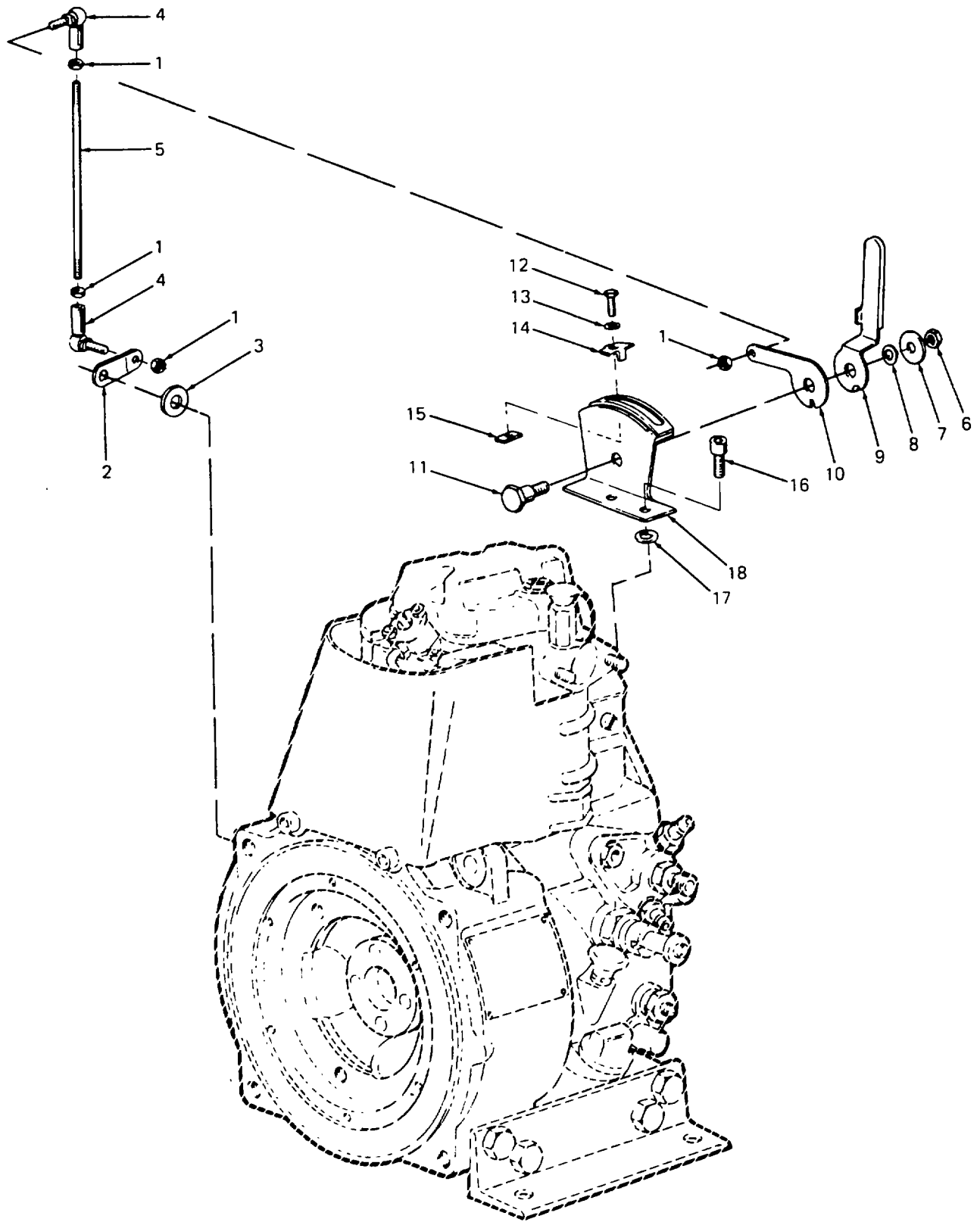


Figure 15. Throttle

SECTION II

TM 5-4320-308-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 15 THROTTLE					
FIG. 15 THROTTLE					
1	PAOZZ	61080 500 227 00		...NUT, PLAIN.HEXAGON M6 DIN 934-8.....	4
2	XDOZZ	61080 035 119 00		...LEVER.....	1
3	PAOZZ	61080 031 056 00		...WASHER, FLAT	1
4	XDOZZ	61080 501 333 00		...JOINT, ANGULAR	2
5	XDOZZ	61080 035 110 00		...SCREW, ADJUSTING.....	1
6	PAOZZ	61080 500 232 00		...NUT, HEXAGON BMB DIN 439-5.....	1
7	PAOZZ	61080 500 629 00		...DISC B8.4 DIN 9021-ST	1
8	PAOZZ	61080 500 035 00		...WASHER, SPRING TENSI B8 DIN 137	1
9	XDOZZ	61080 035 115 00		...LEVER, HAND	1
10	XDOZZ	61080 035 116 00		...LEVER.....	1
11	PAOZZ	61080 035 117 00		...SCREW.....	1
12	PAOZZ	61080 500 251 00		...SCREW, HEX M5X10 DIN 933-8.8	2
13	PAOZZ	61080 500 165 00		...DISC 5.3 DIN 125-ST	2
14	PAOZZ	61080 031 122 00		... FLAP, FIXING	2
15	PAOZZ	61080 031 121 01		... NUT	2
16	PACZZ	61080 500 520 00		...SCREW, ALLEN MBX20 DIN 6912-8.8	2
17	PAOZZ	61080 500 167 00		...WASHER 8.4 DIN 125-ST	4
18	XDOZZ	61080 007 204 00		...CONSOLE.....	1

END OF FIGURE

15-1

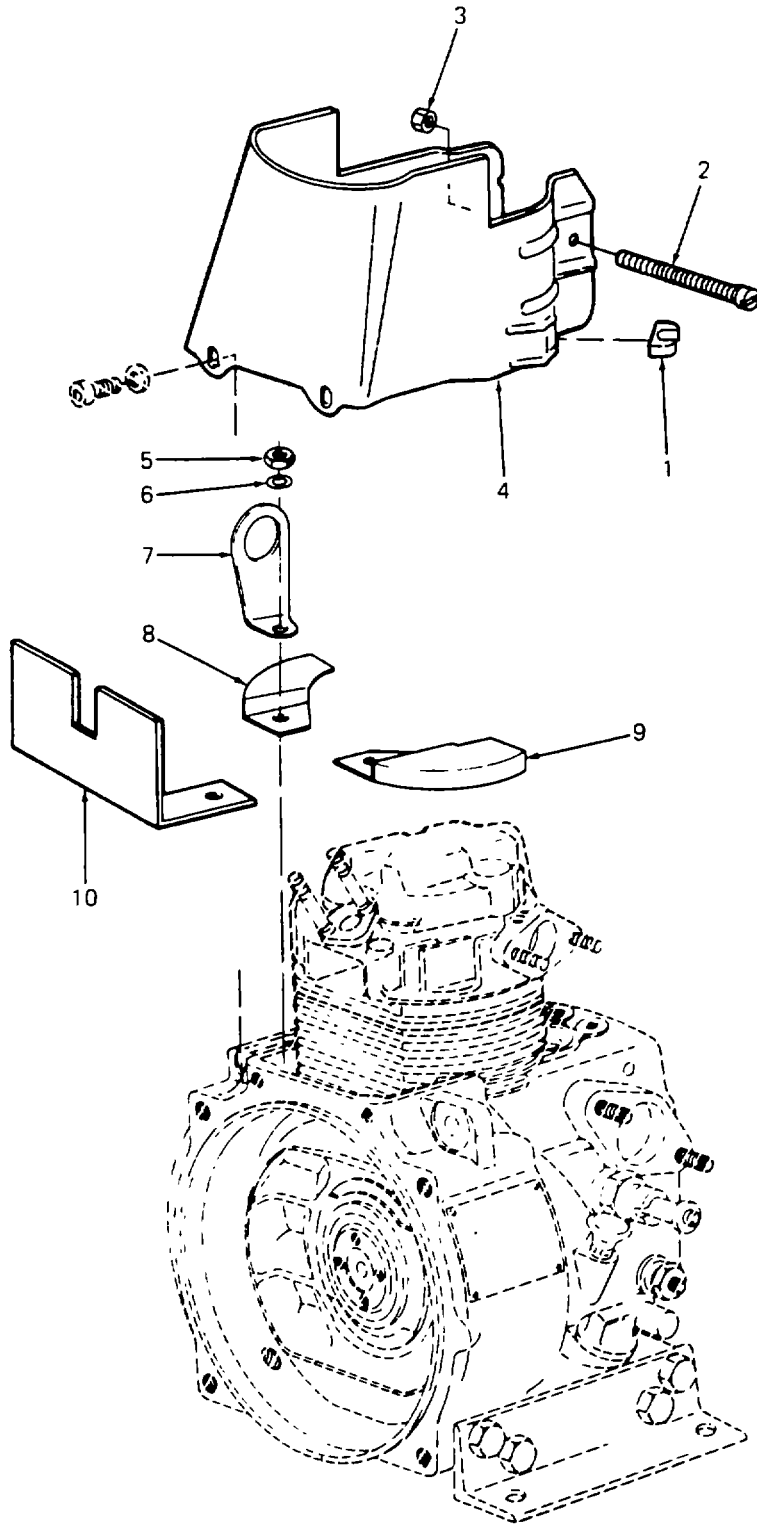


Figure 16. Cowling and Covers

SECTION II

TM 5-4320-308-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
FIG. 16 COWLING AND COVERS					
1	XDOZZ	61080 031 509 00		...CLAMP	1
2	PAOZZ	61080 500 501 00		...SCREW, MACHINE AM5X90 DIN 84-4.8	1
3	PAOZZ	61080 400 282 00		...NUT, SELF-LOCKING, HE M5 SSN 440-8.....	1
4	XDOZZ	61080 030 666 01		CU	1
5	PAFZZ	61080 500 234 00		...COWLING	1
6	PAFZZ	61080 037 663 00		...NUT, PLAIN, HEXAGON M8X1 DIN 934-12.....	2
7	XDFZZ	61080 034 578 00		...WASHER, SPRING 38 DIN 137	2
8	XDFZZ	61080 030 665 01		...STRAP, LIFTING	1
9	XDFZZ	61080 030 664 01		...COVER.....	1
10	XDFZZ	61080 034 929 00		...COVER.....	1
				...SUPPORT, FUEL TANK.....	1

END OF FIGURE

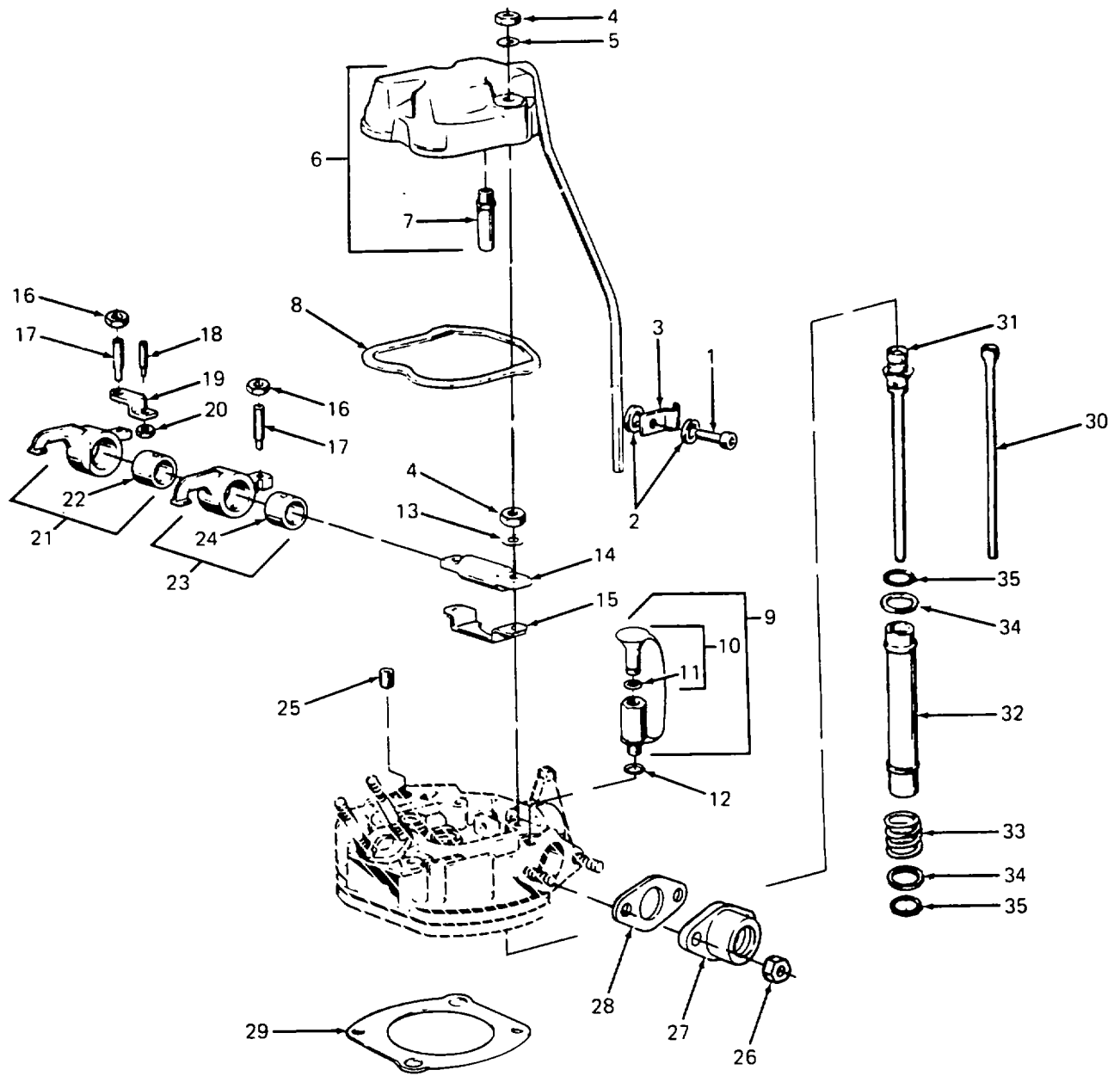


Figure 17. Cylinder Head and Push Rods

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 16 CYLINDER HEAD AND CYLINDER ASSEMBLY					
FIG. 17 CYLINDER HEAD AND PUSH RODS					
1	PAOZZ	61080 500 513 00		...SCREW, ALLEN M8X10	1
2	PAOZZ	61080 500 010 00		...GASKET	2
3	XDOLZ	61080 031 592 00		...CLIP, PIPE	1
4	PAOZZ	61080 500 234 00		...NUT,PLAIN, HEXAGON M8XI DIN 934-12.....	4
5	PAOZZ	61080 500 035 00		...WASHERSPRING TENSI B8 DIN 137	2
6	XDOZZ	61080 003 138 02		...COVER, CYL HEAD.....	1
7	XDOZZ	61080 003 620 04	TUBE, BREATHER	1
8	PAOZZ	61080 032 089 02 W3		...GASKET	1
9	PAOOO	61080 003 618 01		...CUP ASSY COLD START ASSIST	1
10	XAGZZ	61080 007 363 00 P1	PLUG, CLOSING	1
11	PAOZZ	61080 501 541 00	 PACKING, PREFORMED.....	2
12	PADZZ	61080 500 011 00		...GASKET	1
13	XDFZZ	61080 037 663 00		...WASHER	2
14	XOFZZ	61080 030 615 01		...SHAFT, ROCKER	1
15	XDFZZ	61080 030 925 00		...CLAMP	1
16	XDFZZ	61080 031 731 00		...NUT, HEXAGON.....	2
17	XDFZZ	61080 030 037 00		...SCREW, ADJUSTING	
2					
18	XDFZZ	61080 030 220 01		...SCREW, ADJUSTING	1
19	XDFZZ	61080 030 600 02		...CLAMP	1
20	XDFZZ	61080 500 227 00		...NUT, HEXAGON M6 DIN 934-8	1
21	XDFZZ	61080 006 142 01		...ROCKER	1
22	XDFZZ	61080 034 301 01	BUSHING.....	1
23	XDFZZ	61080 006 143 01		...ROCKER	1
24	XDFLZ	61080 034 301 01	BUSHING.....	1
25	XDFZZ	61080 500 437 00		...SCREW M12X1.5 DIN 906	1
26	PAOZZ	61080 500 230 00		...NUT, PLAIN, HEXAGON M8 MS DIN 934-.....	2
M S					
27	XDOZZ	61080 038 926 00		...ADAPTER, AIR CLEANER	1
28	PAOZZ	61080 034 772 00 W1		...GASKET 0.30MM.....	1
29	PAFZZ	61080 037 703 00		...GASKET 0.30MM.....	1
29	PAFZZ	61080 035 818 00		...GASKET 0.40MM.....	1
29	PAFZZ	61080 035 819 00		...GASKET 0.50MM.....	1
29	PAFZZ	61080 035 820 00		...GASKET 0.60MM.....	1
29	PAFZZ	61080 035 821 00		...GASKET 0.70MM.....	1
29	PAFZZ	61080 035 822 00		...GASKET 0.80MM.....	1
30	XDFZZ	61080 030 639 01		...PUSHROD, EXHAUST	
1					
31	XDFZZ	61080 009 026 00		...PUSHROD, INTAKE COMPLETE	1
32	XDFZZ	61080 032 090 02		...TUBE, PROTECTION	2
33	XDFZZ	61080 031 851 00		...SPRING, PRESSURE.....	2
34	XDFZZ	61080 032 091 01		...SHIM	
4					
35	PAFZZ	61080 502 580 00		...PACKING, PREFORMED	4

END OF FIGURE

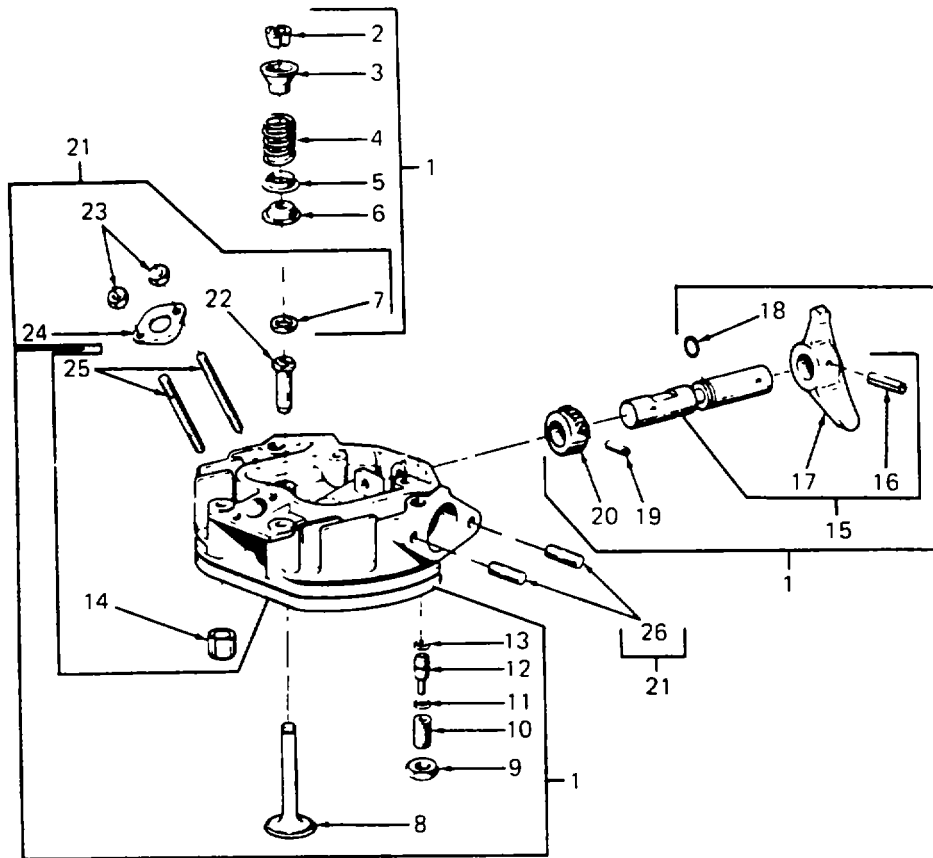


Figure 18. Cylinder Head and Valve Assembly

SECTION II

TM 5-4320-308-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				... GROUP 16 CYLINDER HEAD AND CYLINDER ASSEMBLY	
				... FIG. 18 CYLINDER HEAD AND VALVE ASSEMBLY	
1	PBFHH	61080 009 076 01		...CYLINDER HEAD ASSY.....	1
2	XDHZZ	61080 031 719 10	COLLET	2
3	XDHZZ	61080 030 605 01	CUP	2
4	XDHZZ	61080 032 081 00	SPRING, VALVE	2
5	XDHZZ	61080 032 084 00	WASHER	2
6	XOHZZ	61080 032 080 01	CAP	2
7	XDHZZ	61080 037 538 00	RING, SPACE	2
8	XDHZZ	61080 035 698 20	VALVE.....	2
9	XDHZZ	61080 500 238 00	NUT, HEXAGON B1D DIN 439-6	1
10	XDHZZ	61080 030 611 00	PIN, THREADED	1
11	XDHZZ	61080 500 426 00	PLATE, SPRING A8 DIN 2093	10
12	XDHZZ	61080 030 638 00	PIN	1
13	PAHZZ	61080 501 542 00	PACKING, PREFORMED	1
14	XDHZZ	61080 500 357 00	 PIN 11X12 DIN 7346	2
15	XDHZZ	61080 007 468 00	SHAFT ASSY DECOMPRESSION.....	1
16	XDHZZ	61080 500 346 00	 PIN 4X18 DIN 1481	1
17	XDHZZ	61080 031 734 01	 HANDLE	1
18	PAHZZ	61080 501 543 00	PACKING, PREFORMED	1
19	XDHZZ	61080 500 341 00	PIN 3X16 DIN1481.....	1
20	XDHZZ	61080 035 706 00	PINION, DECOMP N	1
21	XAHZZ	61080 007 401 21	HEAD, CYLINDER	1
22	XDHZZ	61080 032 082 10	 GUIDE, VALVE	2
23	PAFZZ	61080 500 227 00	 NUT, PLAIN, HEXAGCN M6 DIN 434-8.....	2
24	PAFZZ	61080 034 473 00	 CLAMP, FUEL INJ.....	1
25	PAFZZ	61080 501 110 00	 STUD, PLAIN M6X55 DIN 835-8.8.....	2
26	PAFZZ	61080 500 372 00	 STUD, PLAIN M8X15 DIN 835-10.9.....	4

END OF FIGURE

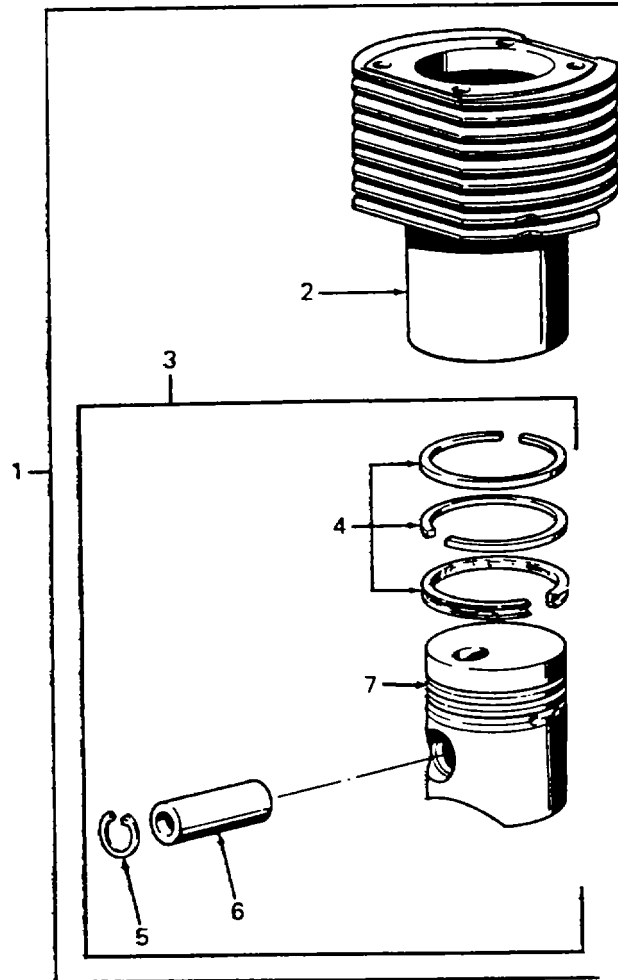


Figure 19. Cylinder and Piston

SECTION II

TM 5-4320-308-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
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GROUP 16 CYLINDER HEAD AND CYLINDER
ASSEMBLY

FIG. 19 CYLINDER AND PISTON

1	PBFFF	61080 009 127 00		...CYLINDER WITH PISTON ASSY	1
2	XDFZZ	61080 035 833 00	CYLINDER	1
3	XDFFF	61080 009 041 00	PISTON ASSY	1
4	PBFZZ	61080 009 043 00	 RING SET, PISTON	1
5	PBFZZ	61080 500 206 00	 RING, RETAINING 25X1.2 DIN 472	2
6	XDFZZ	61080 501 075 00	 PIN, GUDGEON	1

END OF FIGURE

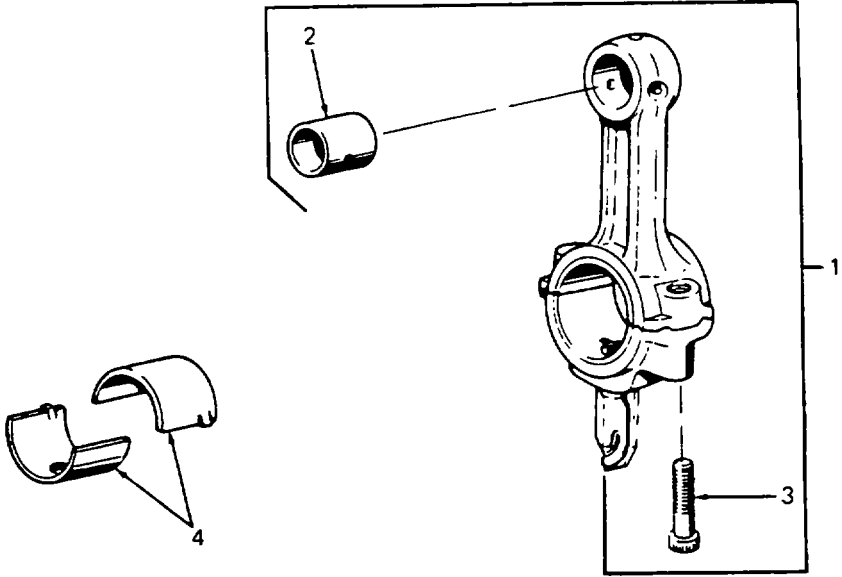


Figure 20. Connecting Rod

SECTION II

TM 5-4320-308-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
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GROUP 17 CRANKCASE ASSEMBLY

FIG. 20 CONNECTING ROD

1	XDHHH	61080 003 613 00		...ROD, CONNECTING	1
2	PBHZZ	61080 032 069 00	BEARING, SLEEVE CONNECTING.....	1
3	XDHZZ	61080 033 937 00	SCREW, ALLEN M8X35.....	2
4	PBHZZ	61080 032 067 00		...BEARING, SLEEVE	1

END OF FIGURE

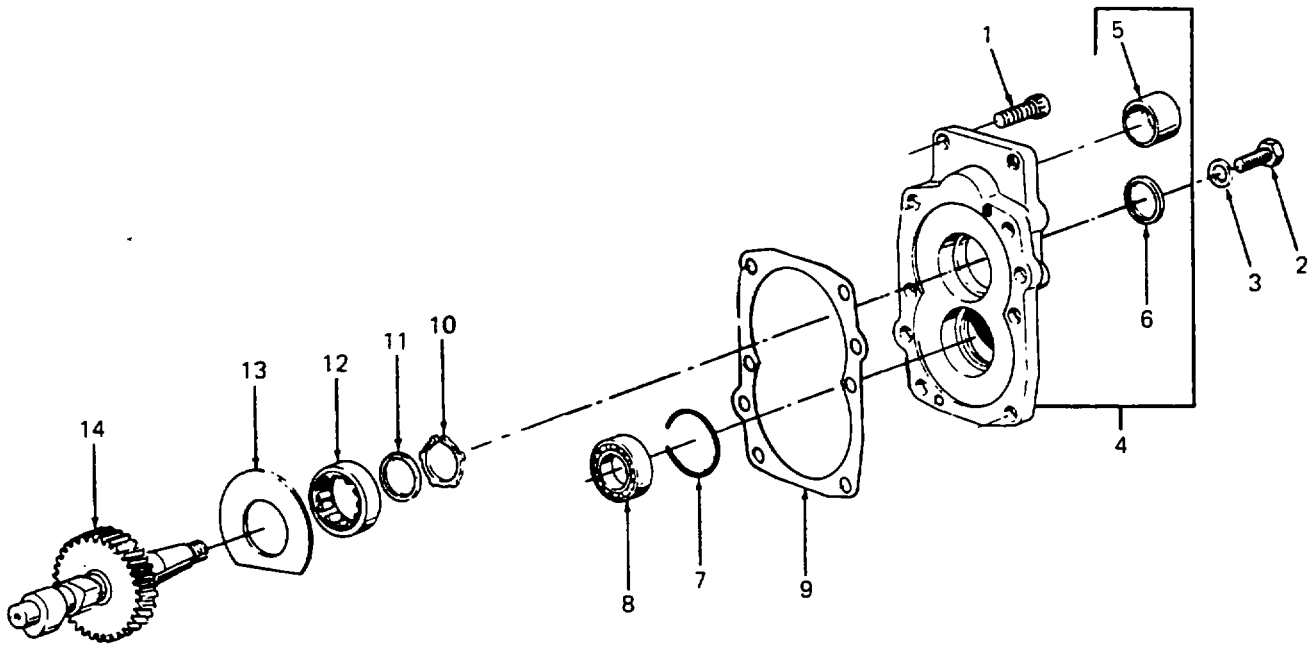


Figure 21. Timing Cover and Camshaft

SECTION II

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 17 CRANKCASE ASSEMBLY					
FIG. 21 TIMING COVER AND CAMSHAFT					
1	XDHZZ	61080 500 538 00		...SCREW, ALLEN M1OX25 DIN 912-8.8.....	2
2	XDHZZ	61080 500 292 00		...SCREW, HEX M1OX25 DIN 933-8.8.....	4
3	XDHZZ	61080 500 010 00		...JOINT.....	5
4	XDHHH	61080 003 623 10		...COVER, TIMING.....	1
5	PAHZZ	61080 400 329 00	BUSHING, DRY.....	1
6	PAHZZ	61080 400 337 00	SEAL, PLAIN ENCASED.....	1
7	XDHZZ	61080 036 124 00	RING, IINTERMEDIATE.....	1
8	XDHZZ	61080 500 129 00		...BEARINGBALLL.....	1
9	PAHZZ	61080 032 092 02		...GASKET.....	1
10	XDHZZ	61080 400 379 00		...CIRCLIP.....	1
11	XDHZZ	61080 032 780 00		...WHHEL,FLANGED.....	1
12	XDHZZ	61080 500 622 00		...BEARING, ROLLER.....	1
13	XDHZZ	61080 032 093 00		...SPACER.....	1
14	XDHZZ	61080 034 300 00		...CAMSHAFT.....	1

END OF FIGURE

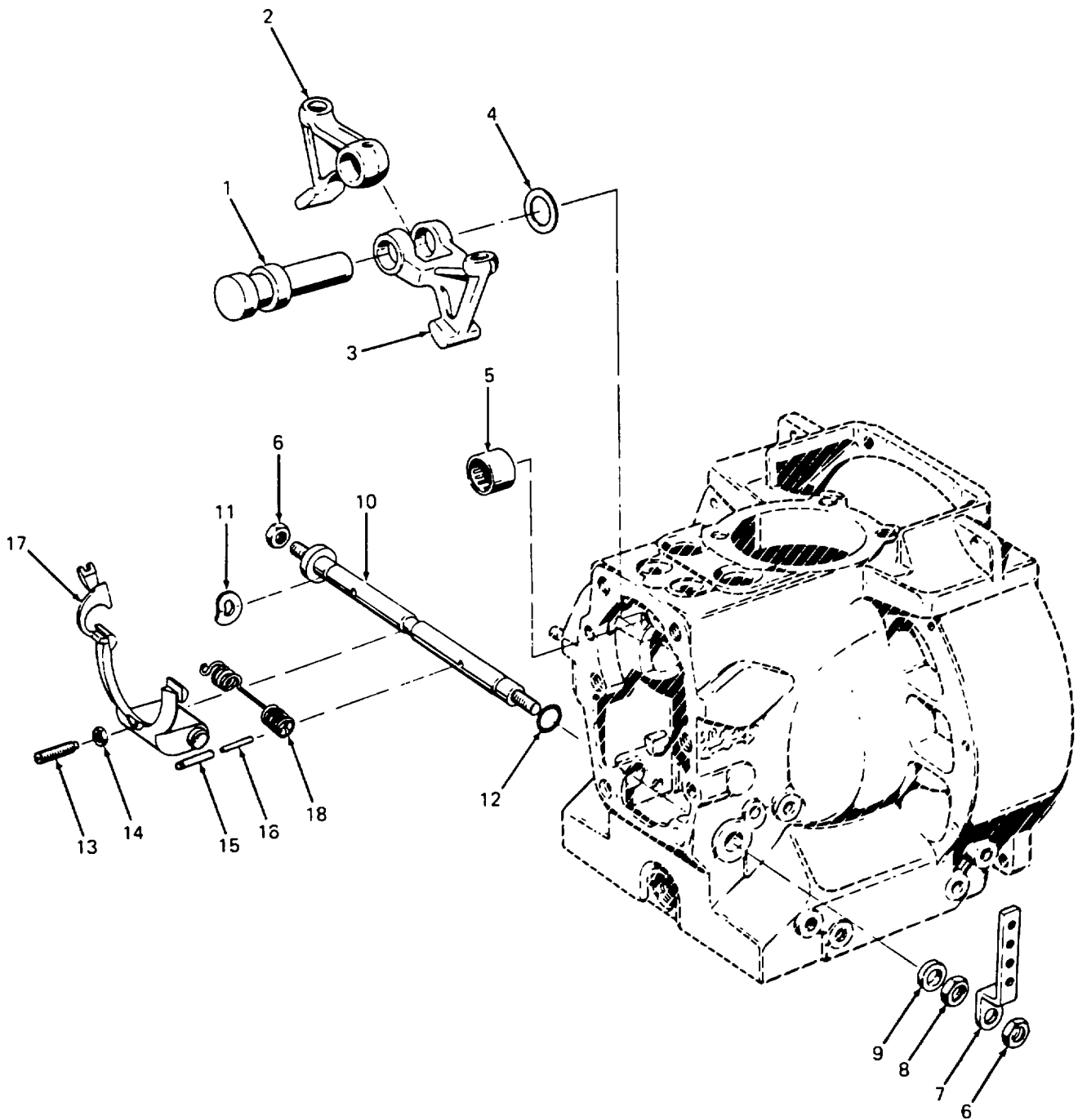


Figure 22. Governor

SECTION II

TM 5-4320-308-23P

(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 17 CRANKCASE ASSEMBLY

FIG. 22 GOVERNOR

1	XDHZZ	61080 030 597 00		..SPINDLE, CAM FOLLWVER.....	1
2	XDHZZ	61080 030 634 01		..FOLLOWER,CAM	1
3	XDHZZ	61080 030 633 01		..FOLLOWER,CAM	1
4	XDHZZ	61080 031 698 00		..SHIM	1
5	XDHZZ	61080 400 368 00		..BEARING,NEEDLE.....	1
6	XDHZZ	61080 500 235 00		..NUT,HEXAGON M10 DIN 934-8	2
7	XDHZZ	61080 032 060 00		..LEVER.....	1
8	XDHZZ	61080 032 061 00		..NUT,HEXAGON 0,5MM UNDERSIZE	1
9	XDHZZ	61080 031 462 00		..DISC,FRICTION.....	1
10	XDHZZ	61080 004 273 03		..SHAFT.....	1
11	XOHZZ	61080 500 036 00		..WASHER,SPRING B12 DIN 137	1
12	PBHZZ	61080 400 223 00		..PACKING,PREFORMED	2
13	XDHZZ	61080 500 042 00		..PIN,THREADED M6X20 DIN 915-45H.....	1
14	XDHZZ	61080 500 227 00		..NUT,HEXAGON M6 DIN 934-8	1
15	XDHZZ	61080 500 349 00		..PIN 5X36 DIN 1481.....	2
16	XDHZZ	61080 500 343 00		..PIN 3X36 DIN 1481.....	2
17	XDHZZ	61080 003 087 04		..LEVER,GOVERNOR.....	1
18	XDHZZ	61080 034 442 00		..SPRING,GOVERNOR 2.4 MM 0 300 MIN-1.....	1

END OF FIGURE

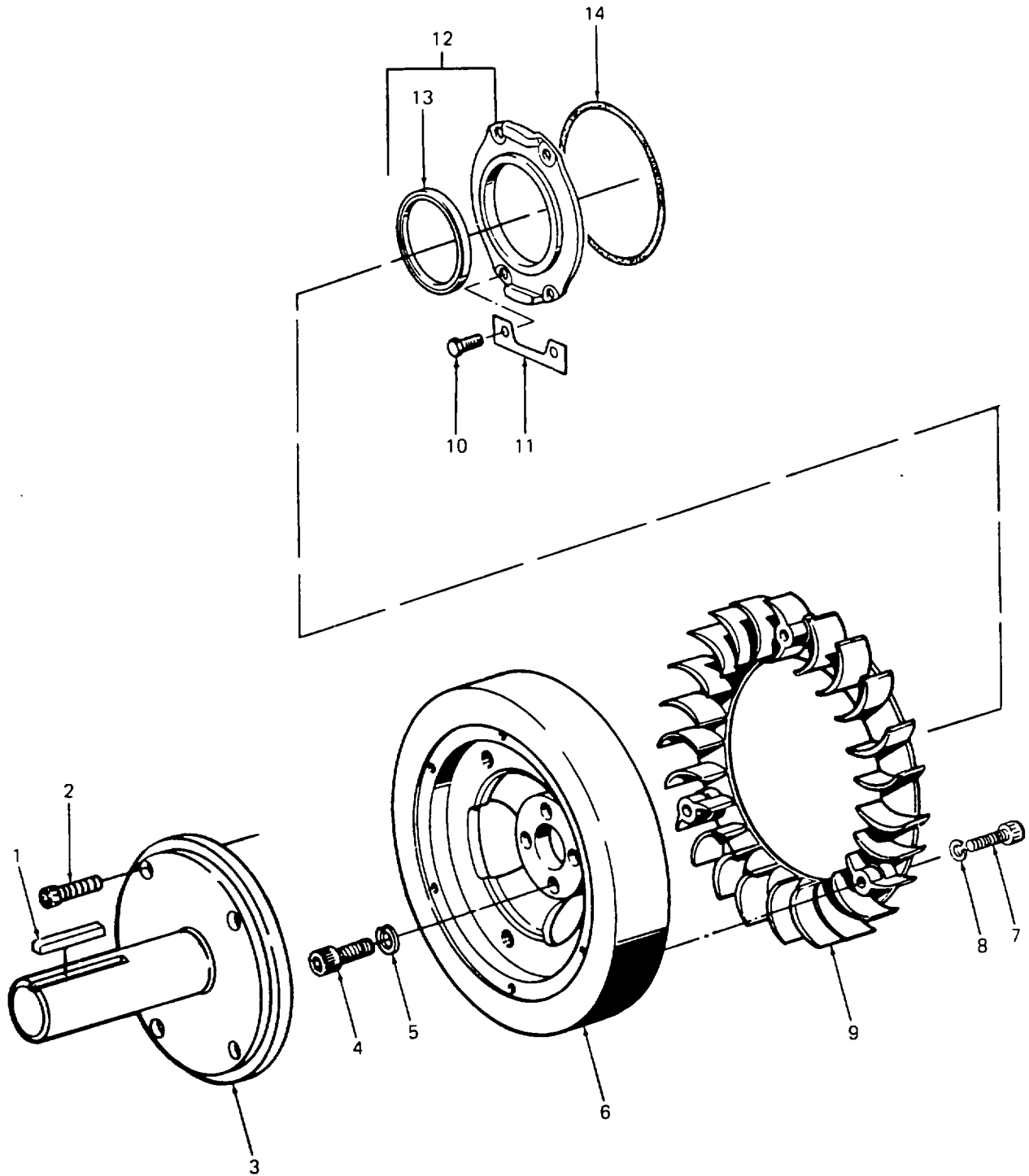


Figure 23. Flywheel and Oil Seal

SECTION II

TM 5-4320-308-23P

(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 17 CRANKCASE ASSEMBLY

FIG. 23 FLYWHEEL AND OIL SEAL

1	PAOZZ	61080 500 117 00		..KEY,FITTING A8X7X63.....	1
2	XDFZZ	61080 500 538 00		..SCREW,ALLEN M10X25 DIN 912-8.1.....	3
3	XDFZZ	61080 039 071 00		..STUBSHAFT	1
4	XDFZZ	61080 500 545 00		..SCREW,ALLEN M10X35 DIN 912-10.9.....	4
5	XDFZZ	61080 500 029 00		..WASHER,SPRING 10MP DIN 128	4
6	XDFZZ	61080 030 632 01		..FLYWHEEL	1
7	XDFZZ	61080 400 356 00		..SCREW,ALLEN	3
8	XDFZZ	61080 400 278 00		..WASHER,SPRING.....	3
9	XDFZZ	6L080 006 350 00		..RING,BLOWER.....	1
10	XDHZZ	61080 500 255 00		..SCREW,HEX M6X12 DIN 933-8.8	4
11	XDHZZ	61080 032 059 00		..PLATE,SECURITY	2
12	XDHZZ	61080 005 630 01		..SUPPORT	1
13	PBHZZ	61080 400 342 00		..SEAL,PLAIN ENCASED	1
14	PBHZZ	61080 501 540 00		..PACKING,PREFORMED	1

END OF FIGURE

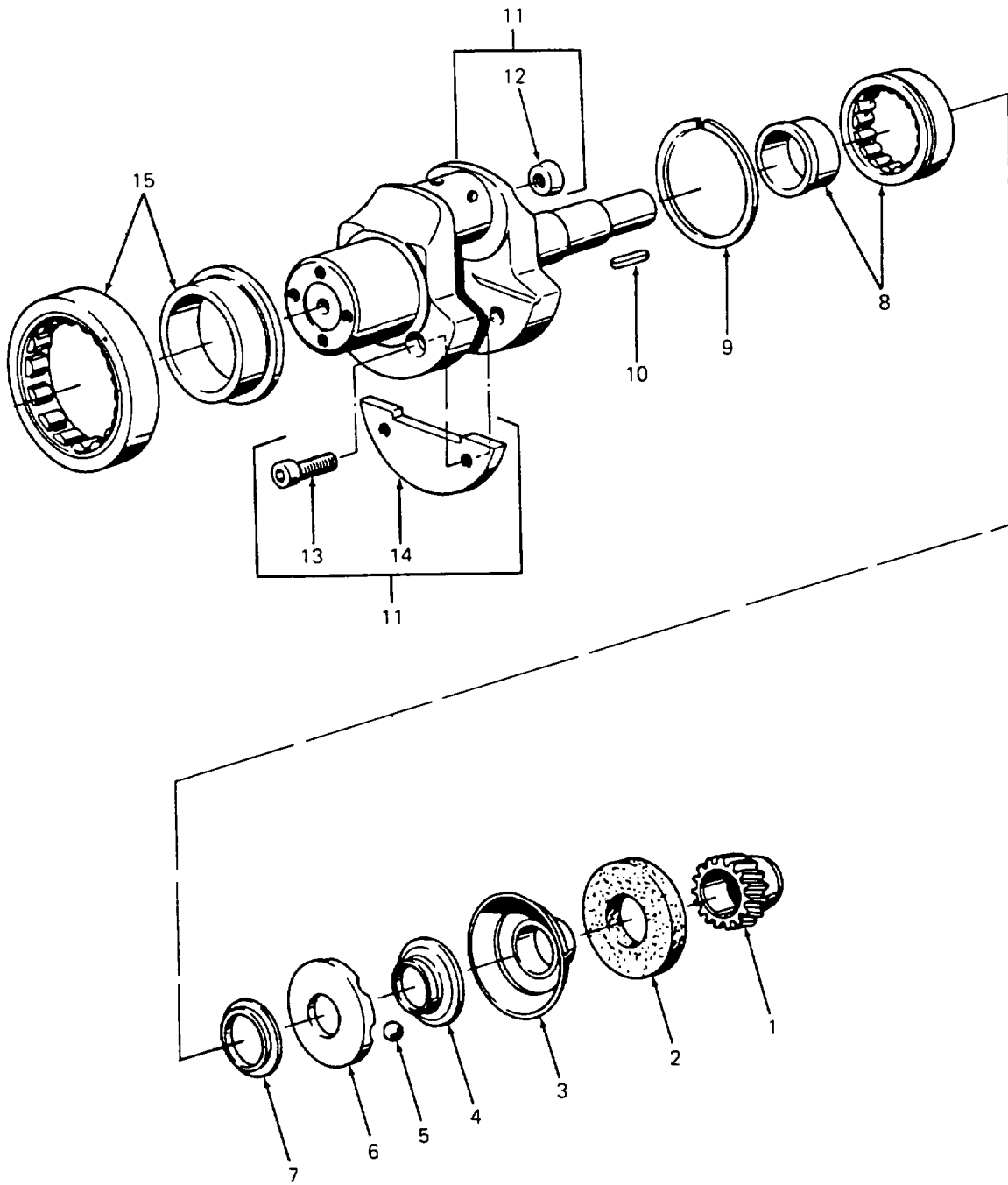


Figure 24. Crankshaft

SECTION II

TM 5-4320-308-23P

(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 17 CRANKCASE ASSEMBLY

FIG. 24 CRANKSHAFT

1	XDHZZ	61080	030 648 01	..GEARWHEEL	1
2	XDHZZ	61080	030 045 01	..DISC,SLIDING	1
3	XDHZZ	61080	007 420 00	..SHELL,BALL	1
4	XDHZZ	61080	031 700 01	..DISC,BALL HUB	1
5	XDHZZ	61080	500 100 00	..BALL 12MM DIAMETER.....	4
6	XDHZZ	61080	030 066 02	..HUB,BALL	1
7	XDHZZ	61080	032 066 00	..SPACER.....	1
8	XDHZZ	61080	500 477 00	..BEARING,ROLLER.....	1
9	XOHZZ	61080	500 362 00	..CIRCLIP SP 72 DIN 5417	1
10	XDHZZ	61080	500 111 00	..KEY A6X4X28 DIN 6885.....	1
11	XDHZZ	61080	003 612 02	..CRANKSHAFT ASSY	1
12	XDHZZ	61080	031 950 00	..COVER.....	1
13	XDHZZ	61080	500 518 00	...SCREW,ALLEN M8X18 DIN 912-8.8.....	4
14	XDHZZ	61080	030 609 01	..WEIGHT,COUNTER	2
15	XDHZZ	61080	500 471 00	..BEARING,ROLLER.....	1

END OF FIGURE

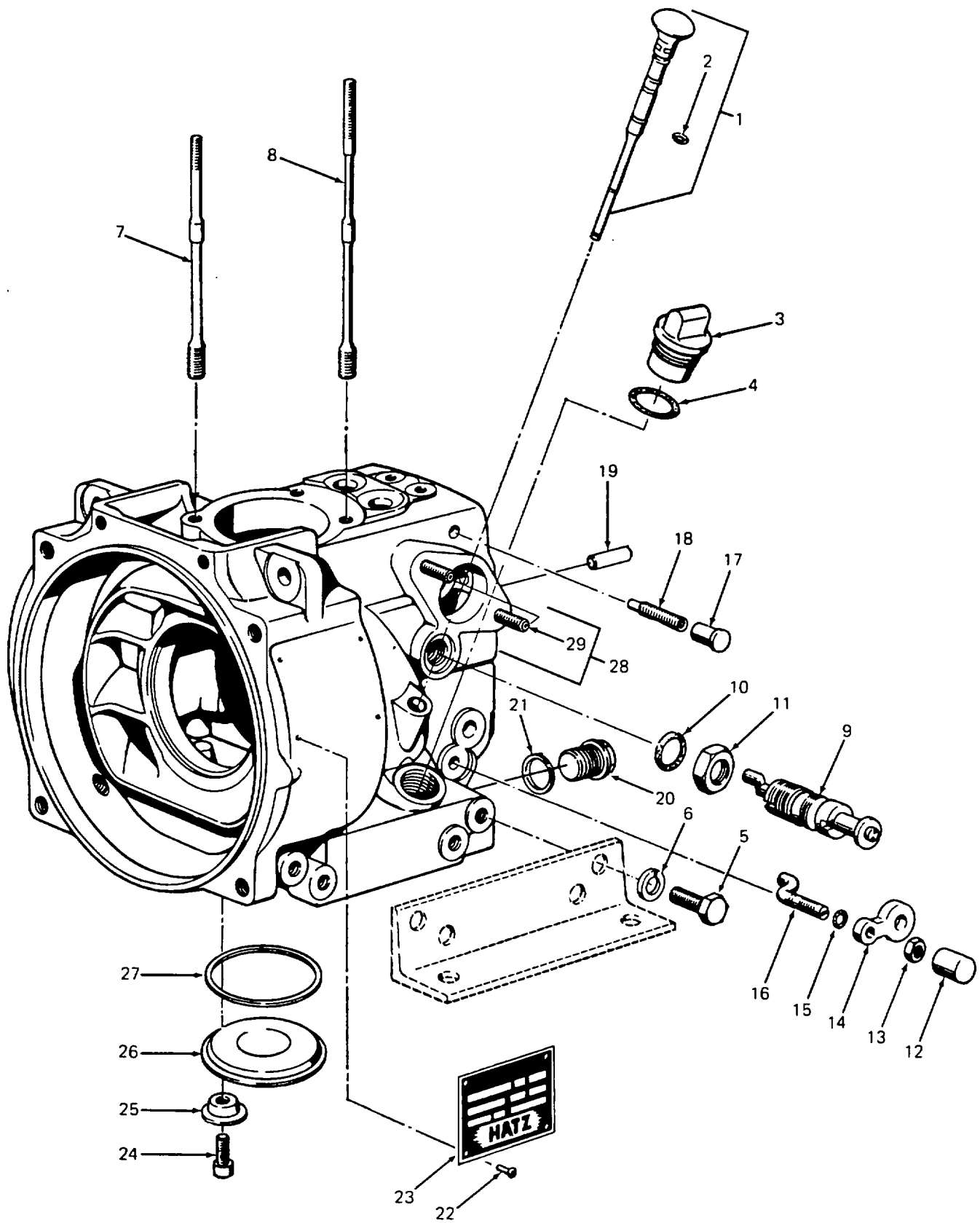


Figure 25. Crankcase

SECTION II

TM 5-4320-308-23P

(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 17 CRANKCASE ASSEMBLY

FIG. 25 CRANKCASE

1	PBOZZ	61080	003 088 02	..DIPSTICK,OIL.....	1
2	PAOZZ	61080	400 220 00	..PACKING,PREFORMED.....	2
3	PBOZZ	61080	030 690 04 P1	..SCREW,CAP.....	1
4	PAOZZ	61080	501 538 00	..PACKING,PREFORMED.....	1
5	PAFZZ	61080	500 292 00	..BOLT,MACHINE M10X25 DIN 933-8.8.....	8
6	PAFFZ	61080	500 029 00	..WASHER,LOCK 10MM DIN 128.....	8
7	PBFZZ	61080	032 077 01	..STUD,RECESSED AND S.....	2
8	PBFZZ	61080	032 076 00	..STUD,RECESSED AND S.....	2
9	XDHZZ	61080	003 624 00	..DEVICE,EXTRA FUEL.....	1
10	PAHZZ	61080	400 228 00	..PACKING,PREFORMED.....	1
11	XDHZZ	61080	500 246 00	..NUT,HEXAGON M20X1,5 DIN 936-5.....	1
12	XDHZZ	61080	032 058 00	..CAPSULE.....	1
13	XDHZZ	61080	500 229 00	..NUT,HEXAGON M8 DIN 934-8.....	1
14	XDHZZ	61080	031 049 01	..PLATE.....	1
15	PAHZZ	61080	400 217 00	..GASKET.....	1
16	XDHZZ	61080	030 604 03	..PIN,ECCENTRIC.....	1
17	XDHZZ	61080	400 397 01	..PLUG,PROTECTION.....	1
18	XDHZZ	61080	500 621 00	..PIN,THREADED AM 8X25 DIN 915-.....	1
				TUFLUK.....	2
19	XOHZZ	61080	031 693 00	..PIN,GUIDE.....	2
20	PBOZZ	61080	031 691 03 W1	..PLUG,OIL DRAIN.....	1
21	PAOZZ	61080	500 015 00 W7	..JOINT.....	1
22	XDGZZ	61080	400 025 00	..RIVET,BLIND.....	4
23	XDUZZ	61080	036 396 00	..PLATE,NAME.....	1
24	XDHZZ	61080	500 504 00	..SCREW,ALLEN M6X8 DIN 6912-8.8.....	4
25	XDHZZ	61080	032 062 00	..CAP.....	4
26	XOHZZ	61380	032 056 02	..COVER.....	1
27	PBHZZ	61080	400 238 00	..PACKING,PREFORMED.....	1
28	XDHZZ	61080	009 128 00	..CRANKCASE.....	1
29	PBFZZ	61080	500 373 00	...STUD,PLAIN M8X18 DIN 835-10.9.....	2

END OF FIGURE

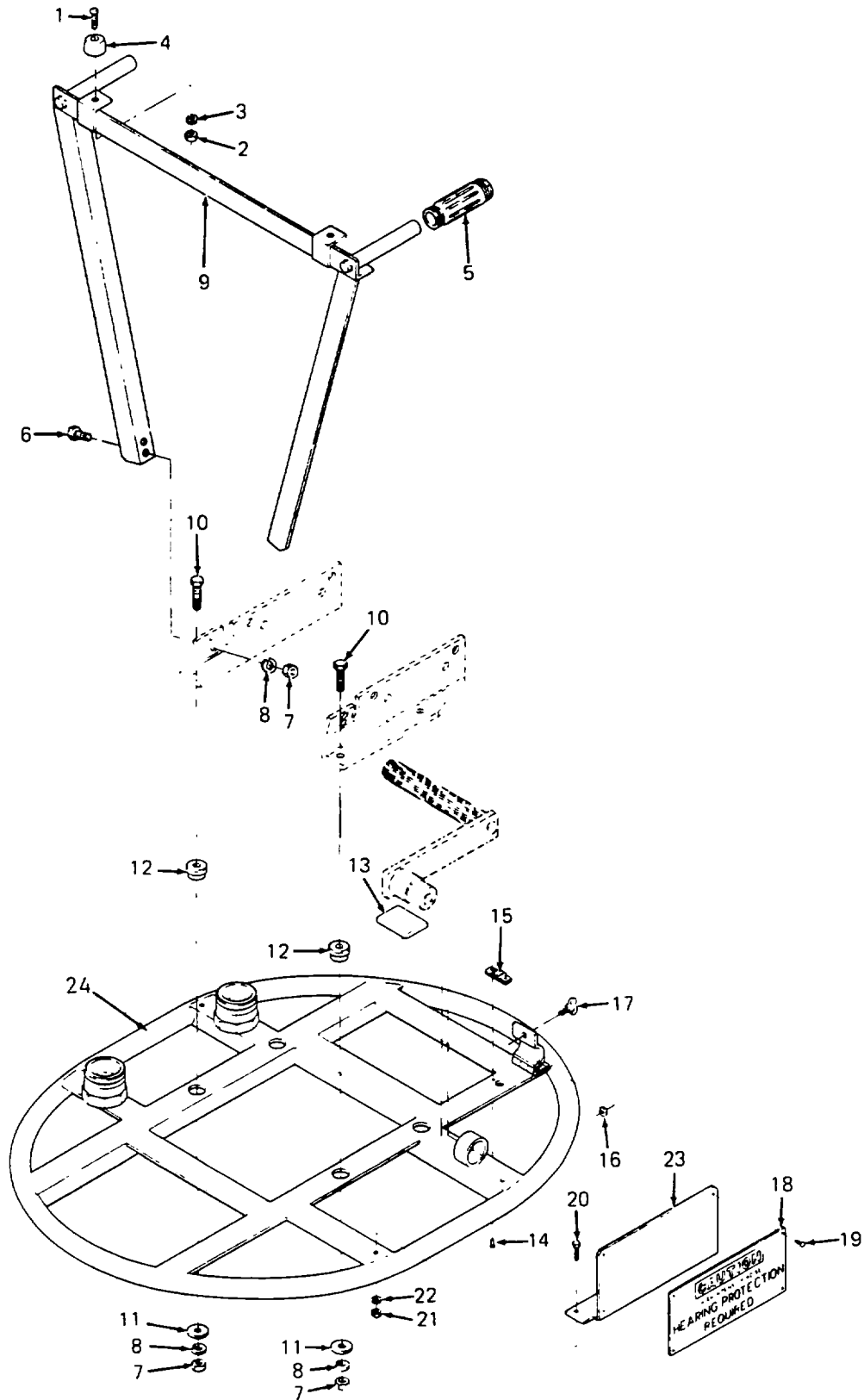


Figure 26. Base Assembly

SECTION II

TM 5-4320-308-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 18 BASE ASSEMBLY					
FIG. 26 BASE ASSEMBLY					
1	PAOZZ	05748	28029	.SCREW,MACHINE CROSS HD,NO.8-32 X 3/4 IN GL.....	2
2	PAOZZ	05748	02497	.NUT,HEX NO 8-32.....	2
3	PAOZZ	05748	02594	.WASHER,LOCK NO. 8.....	2
4	PAOZZ	75542	718-R	.BUMPER,DELUXE WITHWASHER.....	2
5	PAOZZ	93692	B1B0-5.0	.HANDLE,GRIP RUBBER.....	2
6	XDFZZ	05748	02343	.SCREW,CAP,HEX HEAD 5/16-18 UNC X 7/8INLG.....	4
7	XDFZZ	96906	M4S51967-5	.NUT,PLAIN,HEXAGON 5/16-18 UNC.....	8
8	XDFZZ	96906	MS35338-45	.WASHER,LOCK 5/16.....	8
9	XDFZZ	05748	79002SA	.HANDLE ,WELDMENT.....	1
10	XDFZZ	05748	24193	.SCREW,CAP,HEX HEAD 5/16-18 UNIC X 1-1/4INCH LONG.....	4
11	XDFZZ	05748	79224	.WASHER,CINCH 3/8 ID.....	4
12	XDFZZ	64933	10Z42-1010	.SHUCK,MOUNT.....	4
13	XOFZZ	05748	79225	.PAD,FOAM BUNA N.....	1
14	XDFZZ	05748	78679	.RIVET,CSKH TYPE 2S.....	2
15	XDFZZ	75618	82-35-302-15	.RECEPTACLE,FASTENER 1/4 TURN.....	1
16	PAFZZ	75618	82-32-101-20	.RETAINER,SPLITRING.....	1
17	PAFZZ	75618	82-12-260-20	.FASTENER,1/4TURN.....	1
18	XDFZZ	05748	01628	.SCREW,DRIVE TYPE U,NO.4 X .187 INCHLONG.....	8
19	XDFZZ	05748	82004	.PLATE,CAUTION.....	2
20	XDFZZ	05748	02200	.SCREW,CAP,HEXAGON H 1/4-20 UNC X .50 INCHLONG.....	4
21	XDFZZ	05748	02760	.NUT,HEX,REGULAR 1/4-20 UNC.....	4
22	XDFZZ	05748	02591	.WASHER,LOCK 1/4 STEEL CADMIUM PLATED.....	4
23	XDFZZ	05748	78520	.BRACKET,MOUNTING.....	2
24	XDFZZ	05748	78613SA	.BASE.....	1

END OF FIGURE

SECTION II

TM 5-4320-308-23P

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

GROUP 19 BULK MATERIAL LIST

FIG. BULK

1	PAOZZ	87373	801-4	HOSE, NONMETALLIC	5
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END OF FIGURE

BULK-1

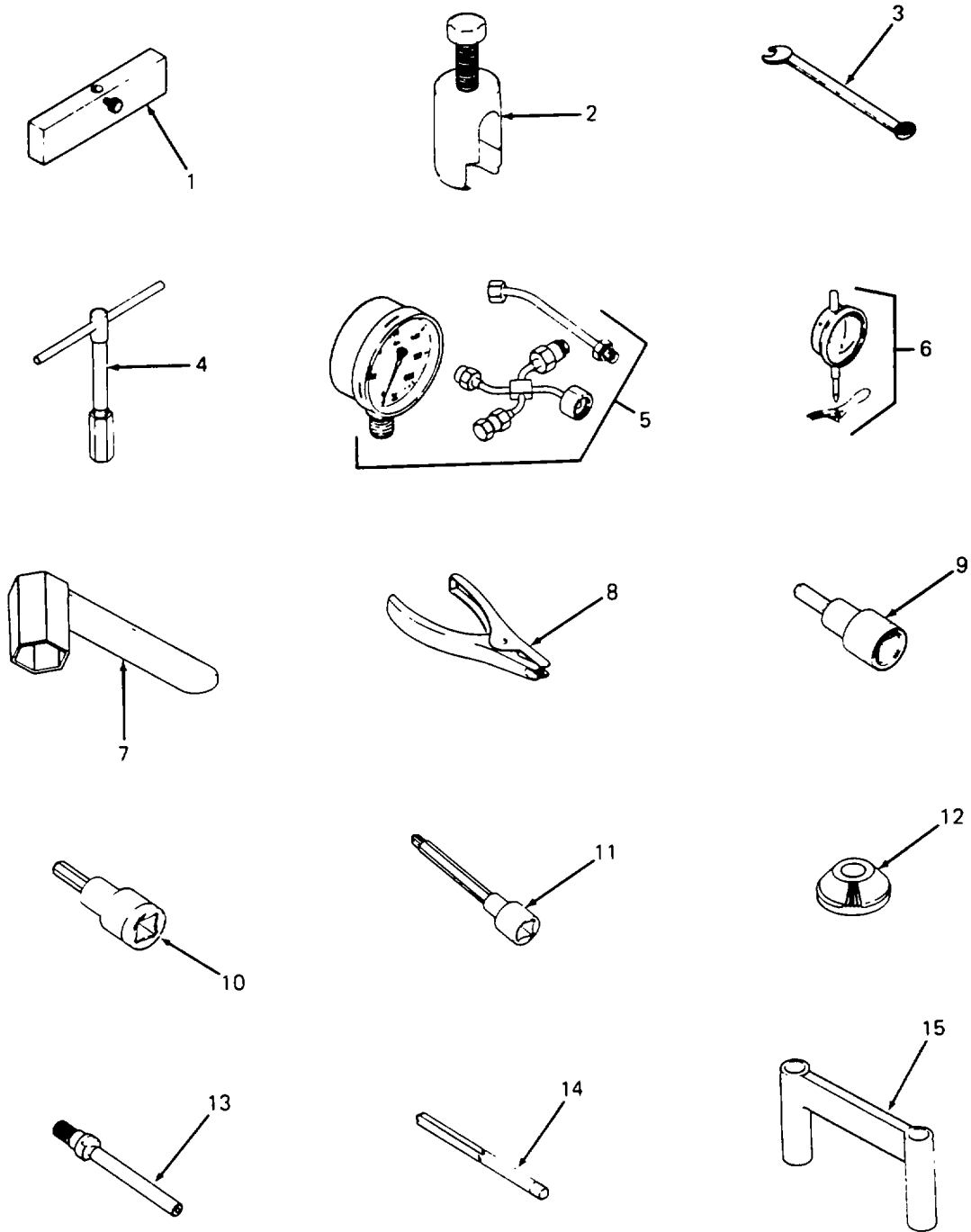


Figure 27. Special Tools (Sheet 1 of 2)

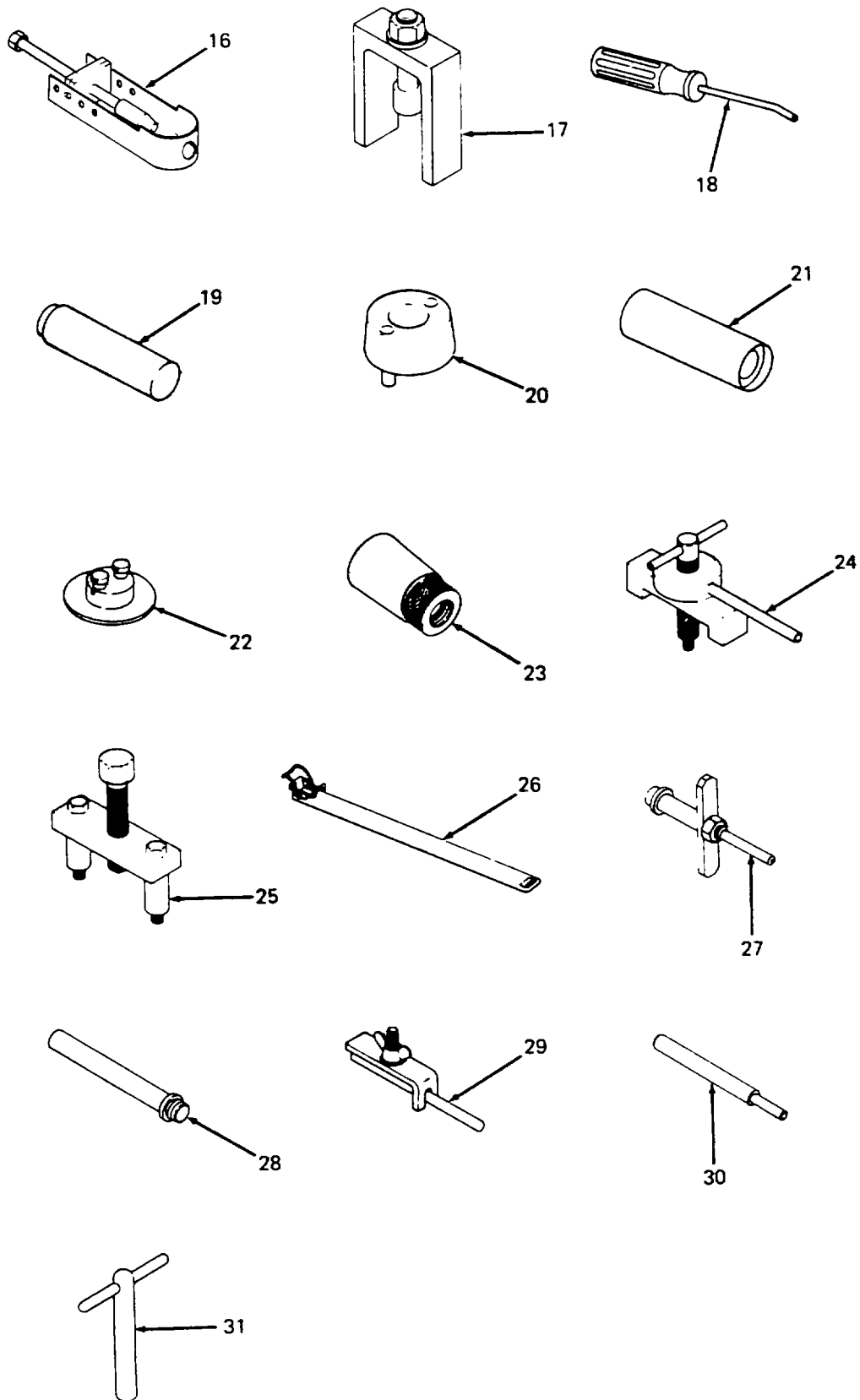


Figure 27. Special Tools (Sheet 2 of 2)

SECTION II

TM 5-4320-308-23P

(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 20 SPECIAL TOOLS LIST

FIG. 27 SPECIAL TOOLS

1	PDFZZ	61080	603 114 00	DEVICE, MEASURING FOR BUMPING CLEARANCE	
2	PDFZZ	61080	603 823 00	EXTRACTOR, GEAR CRANKSHAFT	
3	PDOZZ	61080	618 306 00	WRENCH, BOX 10MM SPECIAL	
4	PDHZZ	61080	604 581 00	HOLDER, CLAMP IN TO GRIND VALVE VALVE SEAT	
5	PDFZZ	61080	604 628 00	DEVICE, TESTING FOR INJECTION EQUIPMENT	
6	PDFZZ	61080	612 087 00	GAUGE, DIAL 1/100 MM-58 MM 0	
7	PDFZZ	61080	668 335 00	WRENCH, SOCKET 30 MM	
8	PDFZZ	61080	612 090 00	PLIERS, PISTON RING	
9	PDHZZ	61080	612 091 00	SOCKET WRENCH ATTAC 6MM	
10	PDOZZ	61080	612 095 00	SOCKET, ALLEN 8MM	
11	PDFZZ	61080	612 099 00	SOCKET, SCREW INTERNAL SERRATIONS	
12	PDHZZ	61080	612 103 00	TOOL RESEATING VALVE 42,5MM 0	
13	PDHZZ	61080	612 104 00	PIN, GUIDING 7MM 0 VALVE RESEATING TOOL	
14	PDHZZ	61080	612 107 00	REAMER, HAND 7MM OH7 VALVE GUIDE	
15	PDFZZ	61080	612 752 00	BRACKET, RETAINING CYLINDER	
16	PDFZZ	61080	614 957 00	EXTRACTOR, PIN GUDGEON	
17	PDHZZ	61080	618 168 00	EXTRACTOR, GEAR CRANKSHAFT	
18	PDHZZ	61080	618 305 00	TOOL, SPECIAL GOVERNOR SPRING	
19	PDHZZ	61080	666 067 00	MANDREL, IMPACT BALL HUB	
20	PDHZZ	61080	666 068 00	SUPPORT, BUSHING AUXILARY, OIL SEAL	
21	PDHZZ	61080	666 069 00	MANDREL, IMPACT CRANKSHAFT GEAR	
22	PDHZZ	61080	666 074 00	MOUNTING DEVICE CRANKSHAFT END PLAY	
23	PDHZZ	61080	666 075 00	BUSHING, TIMING COVER OIL SEAL	
24	PDHZZ	61080	666 324 00	EXTRACTOR, SPINDLE CAM FOLLGWER	
25	PDHZZ	61080	666 327 01	EXTRACTOR CRANKSHAFT	
26	PDHZZ	61080	666 346 00	CLAMP, PISTON RING	
27	PDHZZ	61080	666 418 00	MOUNT, CAMSHAFT NEEDLE BEARING	
28	PDHZZ	61080	666 425 00	PUNCH, CAMSHAFT NEEDLE BEARING	
29	PDFZZ	61080	668 383 00	CLAMP, FUEL SHUTOFF	
30	PDHZZ	61080	669 347 00	PRESS-IN MANDRELL VALVE GUIDE 7MM	
31	PDHZZ	61080	670 323 00	HANDLE, VALVE RESEATING TOOL	

END OF FIGURE

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STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5315-00-043-1787	5	33	5307-01-070-6470	25	8
5305-00-068-0502	10	4	5330-01-070-6701	23	13
5305-00-175-3230	1	2	5330-01-070-7136	25	4
4730-00-203-1010	3	3	5307-01-070-9174	18	25
5305-00-206-3689	5	28	5307-01-071-1326	18	26
4820-00-228-1147	10	8	5307-01-071-1327	25	29
5330-00-263-8015	5	21	4730-01-071-4075	5	7
5340-00-290-4504	6	6	5310-01-073-9220	15	3
5340-00-290-4521	6	5	5310-01-074-1498	15	8
4730-00-360-0592	1	6		17	5
	1	13	5330-01-074-1503	17	29
5330-00-360-0595	5	2	5330-01-074-1504	21	9
	5	6	5330-01-074-2105	17	29
5310-00-395-6059	10	5	5330-01-074-2106	17	29
5940-00-549-8075	4	6	5330-01-074-2107	17	29
5305-00-637-1119	5	13	5330-01-074-2108	17	29
5365-00-712-5972	5	26	5330-01-074-2109	17	2
5310-00-712-7731	5	27	5306-01-074-6815	25	5
4730-00-721-9639	5	3	5330-01-077-3913	17	11
5310-00-732-0560	5	18	5330-01-078-4508	12	16
5310-00-809-5998	5	19	2910-01-079-8052	18	24
4730-00-823-5316	1	9	5310-01-079-9886	15	17
	1	16	5330-01-079-9960	23	14
	3	2	5310-01-080-0025	12	4
	5	4	5310-01-080-0033	16	3
4730-00-869-5246	1	5	5330-01-080-1776	12	7
	1	12		17	12
	1	19	3120-01-080-3017	20	2
	5	1	3120-01-080-3018	20	4
4730-00-871-6729	10	1	5310-01-080-4986	17	26
5310-00-880-7746	5	10	5310-01-080-4987	16	5
5920-00-897-4857	3	30		17	4
4730-00-948-1722	1	10	5310-01-080-4999	25	6
	1	17	5310-01-081-0142	15	1
4730-00-965-6520	1	7		18	23
	1	14	5330-01-082-6176	12	16
4820-00-991-6517	5	12	4730-01-100-0109	6	1
4730-01-004-5105	5	8	5330-01-100-0638	25	10
5307-01-013-7888	5	17	5310-01-100-5204	9	29
5307-01-016-4423	5	22	5365-01-100-7392	9	6
5340-01-030-6854	6	7	5330-01-101-7264	12	14
2815-01-068-3790	19	4	5330-01-101-8063	12	10
2990-01-068-8217	13	6	5330-01-101-8076	9	10
5305-01-069-8897	16	2	5120-01-102-1670	27	9
5330-01-069-9313	22	12	5310-01-147-3984	7	6
5330-01-069-9314	25	27	5330-01-148-0218	7	11
5330-01-070-1123	18	13	4730-01-180-7711	1	20
5307-01-070-2148	25	7	4730-01-204-7939	10	3
5305-01-070-2325	19	5	4930-01-220-2605	2	
5330-01-070-4832	21	6	5330-01-246-7353	25	15

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STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5310-01-264-6201	7	7	5340-01-265-1751	15	14
5305-01-264-6222	9	1	2815-01-265-1752	17	9
5340-01-264-6223	9	2	2815-01-265-1753	18	1
5365-01-264-6224	9	3	2815-01-265-1754	19	1
4330-01-264-6225	9	4	5315-01-265-1755	23	1
5305-01-264-6226	9	5	5330-01-265-1756	25	21
5305-01-264-6227	9	7	5210-01-265-1802	27	1
5340-01-264-6228	9	13	5120-01-265-1803	27	4
5310-01-264-6229	9	19	5210-01-265-1804	27	5
5310-01-264-6230	9	21	5120-01-265-1805	27	8
4330-01-264-6231	11	3	5120-01-265-1806	27	10
5305-01-264-6232	11	4	5120-01-265-1807	27	11
2990-01-264-6233	11	5	5110-01-265-1808	27	15
5310-01-264-6234	12	3	5120-01-265-1809	27	18
2910-01-264-6235	12	5	5120-01-265-1810	27	19
5310-01-264-6236	13	5	5120-01-265-1811	27	20
5305-01-264-6237	14	1	5120-01-265-1812	27	21
2910-01-264-6238	14	7	5120-01-265-1813	27	22
5310-01-264-6239	14	8	5120-01-265-1814	27	23
2990-01-264-6240	14	12	5120-01-265-1815	27	26
5310-01-264-6241	15	6	5120-01-265-1816	27	27
5310-01-264-6242	15	7	5120-01-265-1817	27	28
5305-01-264-6243	15	11	5120-01-265-1818	27	29
5305-01-264-6244	15	12	5120-01-265-1819	27	30
5310-01-264-6245	15	13	5120-01-265-1820	27	31
5310-01-264-6246	15	15	5120-01-265-1918	27	7
5305-01-264-6247	15	16	5330-01-265-1925	17	35
5310-01-264-6248	16	6	5330-01-265-1926	18	18
5305-01-264-6249	17	1	5330-01-265-1927	25	2
5305-01-264-6250	25	3	5110-01-265-1934	27	14
5365-01-264-6251	25	20	3120-01-265-1945	21	5
2815-01-264-6275	8	4	5120-01-265-1966	27	2
5330-01-264-6284	11	1	5120-01-265-1967	27	17
5330-01-264-6285	11	2	5120-01-265-1968	27	24
5330-01-264-6286	11	6	5120-01-265-1969	27	25
5330-01-264-6287	13	7	5120-01-265-1971	27	3
5330-01-264-6288	14	3	5120-01-265-2015	27	16
5330-01-264-6289	17	8	4940-01-266-0711	27	12
5330-01-264-6290	17	28	4940-01-266-0712	27	13
5330-01-264-6291	17	29	5330-01-267-2307	14	6
4820-01-264-6294	12	8	5307-01-267-2308	9	30
5365-01-264-6330	12	16	2815-01-267-2310	9	27
5365-01-264-6331	12	16			
5365-01-264-6332	12	16			
2910-01-264-6337	9	31			
6680-01-264-6338	25	1			
2910-01-264-6339	12	2			
4710-01-264-6340	12	1			
2940-01-264-6347	7	9			
2940-01-264-6353	7	1			

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FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
93692	81B10-5.0		26	5
81718	D-546-AG		3	36
61080	E673LHK-216	2815-01-264-6275	8	4
81718	H-10432		3	7
81718	H-113-RAG		3	15
81718	H-136-M		3	6
81718	H-1668-B		3	20
81718	H-1670-M		3	9
81718	H-195-RB		3	14
81718	H-213-RB		3	12
81718	H-2789-AG		3	35
81718	H-3163-M		3	18
81718	H-3673-M		3	22
8171B	H-3804-AG		3	26
81718	H-428-RAG		3	11
81718	H-502-M		3	10
81718	H-5132-RS		3	34
81718	H-538-RE		3	13
81718	H-5482-M		3	32
31718	H-7012-M		3	16
81718	H-714-M		3	17
81718	H-7670-M		3	28
81718	H-8164-M		3	19
81718	H-9209-M		3	25
81718	H-9597-R8		3	23
			3	23
81718	H-9600-AG		3	5
81718	H-9899		3	8
81718	HC-616-P		3	31
81718	HC-616-S		3	33
81349	MIL-H-11588		1	15
81349	MIL-N-52110		3	4
96906	MS122121	5340-01-030-6854	6	7
96906	MS122122	5340-00-290-4521	6	5
96906	MS122125	5340-00-290-4504	6	6
96906	MS20257-5-335		2	5
96906	MS20470AD4-5		2	2
			2	4
96906	MS27021-9	4730-00-360-0592	1	6
			1	13
96906	MS27025-9	4730-00-948-1722	1	10
			1	17
96906	MS27026-9	4730-00-203-1010	3	3
9690b	MS27028-9	4730-00-869-5246	1	5
			1	12
			1	19
			5	1
96906	MS27029-9	4730-00-823-5316	1	9
			1	16
			3	2
			5	4

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FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
96906	M527030-5	5330-00-360-0595	5	2
			5	6
96906	MS27183-18	5310-00-809-5998	5	19
96906	MS29513-253		5	30
96906	MS29513-273	5330-00-263-8315	5	21
96906	MS35198-70	5305-00-206-3689	5	28
96906	MS35214-69	5305-00-637-1119	5	13
96906	MS35298-43		5	23
96906	MS35338-45		26	8
96906	MS35756-34	5315-00-043-1787	5	33
96906	MS51864-103-18	5307-01-013-7888	5	17
96906	MS51864-106-20	5307-01-016-4423	5	22
96906	MS51884-15	4730-01-071-4075	5	7
96906	MS51887-7C	4730-01-100-0109	6	1
96906	MS51967-5		26	7
96906	MS51968-14	5310-00-732-0560	5	18
96906	MS51968-5	5310-00-880-7746	5	10
96906	MS90725-6	5305-00-068-0502	10	4
81349	M370B05A13000		1	8
18265	RBX00-2250	2940-01-264-6353	7	1
81349	WW-C-440	4730-00-965-6520	1	7
			1	14
61080	003 087 04		22	17
61080	003 088 02	6680-01-264-6338	25	1
61080	003 137 01		14	2
61080	003 138 02		17	6
61080	003 150 00	2990-01-264-6240	14	12
61080	003 612 02		24	11
61080	003 613 00		20	1
61080	003 618 01	2815-01-265-1752	17	9
61080	003 620 04		17	7
61080	003 623 10		21	4
61080	003 624 00		25	9
61080	004 106 11		14	4
61080	004 273 03		22	10
61080	005 630 01		23	12
61080	006 142 01		17	21
61080	006 143 01		17	23
61080	006 350 00		23	9
61080	006 710 01	4820-01-264-6294	12	8
61080	006 913 00		9	28
61080	007 204 00		15	18
61080	007 363 00 P1		17	10
61080	007 401 21		18	21
61080	007 420 00		24	3
61080	007 468 00		18	15
61080	007 852 00		13	3
61080	008 649 00	2990-01-068-8217	13	6
61080	009 026 00		17	31
61080	009 041 00		19	3
61080	009 043 00	2815-01-068-3790	19	4

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FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
61080	009 076 01	2815-01-265-1753	18	1
61080	009 127 00	2815-01-265-1754	19	1
61080	009 128 00		25	28
05748	01628	5305-00-175-3230	1	2
			26	18
05748	02200		26	20
05748	02343		26	6
05748	02497		26	2
05748	02591		4	4
			10	6
			26	22
05748	02594		26	3
05748	02760	5310-00-395-6059	10	5
			26	21
61080	030 037 00		17	17
61080	030 045 01		24	2
61080	030 066 02		24	6
61080	030 220 01		17	18
61080	030 597 00		22	1
61080	030 600 02		17	19
61080	030 604 03		25	16
61080	030 605 01		18	3
61080	030 609 01		24	14
61080	030 611 00		18	10
61080	030 615 01		17	14
61080	030 626 00		12	17
61080	030 632 01		23	6
61080	030 633 01		22	3
61080	030 634 01		22	2
61080	030 638 00		18	12
61080	030 639 01		17	30
61080	030 640 00		12	18
61080	030 648 01		24	1
61080	030 664 01		16	9
61080	030 665 01		16	8
61080	0 30 666 01		16	4
61080	030 690 04 P1	5305-01-264-6250	25	3
61080	030 925 00		17	15
61080	031 049 01		25	14
61080	031 056 00	5310-01-073-9220	15	3
61080	031 121 01	5310-01-264-6246	15	15
61080	031 122 00	5340-01-265-1751	15	14
61080	031 124 10		14	11
61080	031 462 00		22	9
61080	031 509 00		16	1
61080	031 592 00		17	3
61080	031 655 00	5340-01-264-6223	9	2
61060	031 691 03 W1	5365-01-264-6251	25	20
61080	031 693 00		25	19
61080	031 698 00		22	4
61080	031 700 01		24	4

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FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
61080	031 719 10		18	2
61080	031 731 00		17	16
61080	031 734 01		18	17
61080	031 851 00		17	33
61080	031 950 00		24	12
61080	032 056 02		25	26
61080	032 058 00		25	12
61080	032 059 01		23	11
61080	032 060 00		22	7
61080	032 061 00		22	8
61080	032 062 00		25	25
61080	032 066 00		24	7
61080	032 067 00	3120-01-080-3018	20	4
61080	032 069 00	3120-01-080-3017	20	2
61080	032 076 00	5307-01-070-6470	25	8
61080	032 077 01	5307-01-070-2148	25	7
61080	032 080 01		18	6
61080	032 081 00		18	4
61080	032 082 10		18	22
61080	032 084 00		18	5
61080	032 089 02 W3	5330-01-264-6289	17	8
61080	032 090 02		17	32
61080	032 091 01		17	34
61080	032 092 02	5330-01-074-1504	21	9
61080	032 093 00		21	13
61080	032 094 00	5365-01-264-6330	12	16
61080	032 095 00	5330-01-082-6176	12	16
61080	032 096 00	5330-01-078-4508	12	16
61080	032 097 00	5365-01-264-6331	12	16
61080	032 098 00	5365-01-264-6332	12	16
61080	032 100 00	5330-01-264-6288	14	3
61080	032 620 00		14	5
61080	032 780 00		21	11
61080	032 929 00	5365-01-100-7392	9	6
05748	03245		7	2
61080	033 937 00		20	3
61080	034 057 00	4710-01-264-6340	12	1
61080	034 300 00		21	14
61080	034 301 01		17	22
			17	24
			22	18
61080	034 442 00		18	24
61080	034 473 00	2910-01-079-8052	16	7
61080	034 578 00		16	7
61080	034 772 00 W1	5330-01-264-6290	17	28
61080	034 850 00		12	6
61080	034 929 00		16	10
61080	034 930 00		9	25
61080	034 931 00		9	12
61080	034 933 00		9	17
61080	034 936 00		9	16
61080	035 110 00		15	5

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FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
61080	035 115 00		15	9
61080	035 116 00		15	10
61080	035 117 00	5305-01-264-6243	15	11
61080	035 119 00		15	2
61080	035 206 00	5365-01-264-6224	9	3
61080	035 256 00		9	8
61080	035 258 00		9	26
61080	035 698 20		18	8
61080	035 706 00		18	20
61080	035 818 00	5330-01-074-2105	17	29
61080	035 819 00	5330-01-074-2106	17	29
61080	035 820 00	5330-01-074-2107	17	29
61080	035 821 00	5330-01-074-1503	17	29
61080	035 822 00	5330-01-074-2108	17	29
61080	035 833 00		19	2
61080	036 124 00		21	7
61080	036 381 01		1	1
61080	036 396 00		25	23
61080	036 742 00		9	14
61080	036 997 00		13	4
61080	037 538 00		18	7
61080	037 663 00	5310-01-264-6248	16	6
			17	13
61080	037 703 00	5330-01-264-6291	17	29
61080	038 926 00		17	27
61080	039 071 00		23	3
05748	05805		7	4
05748	08408		2	6
05748	08409		2	7
05748	08423		2	3
00736	1DM-007	2940-01-264-6347	7	9
00736	1NB-001		7	8
64933	10Z42-1010		26	12
00736	12B-006	5330-01-148-0218	7	11
00736	12PGJW/STEM		7	10
05748	12189SA		2	1
97403	13200E8802		4	24
97403	13200E8803		6	4
97403	13200E8804		5	32
97403	13200E8806		5	31
97403	13200E8807-1	5365-00-712-5972	5	26
97403	13200E8807-2	5310-00-712-7731	5	27
97403	13200E8808		5	25
97403	13200E8809		5	20
97403	13200E8810	4820-00-991-6517	5	12
97403	13200E8811		5	14
97403	13200E8812		5	16
97403	13200E8813		5	15
97403	13200E8814		5	11
97403	13200E8815		5	29
97403	13200E8861		5	34

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FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
97403	13217E2983	4730-01-180-7711	1	20
97403	13217E6306	4730-00-721-9639	5	3
97403	13218E0468-227		6	2
97403	13226E1308		4	5
62727	139E-44		10	2
05748	15000	4730-01-004-5105	5	8
81718	153-1-1/2X1-5/8		3	29
05748	15657SA		1	4
05748	15689SA		3	1
81718	190-GT-1-1/2		3	27
00736	204-302		7	5
00736	204302-800		7	12
00736	20515	5310-01-147-3984	7	6
00736	22852	5310-01-264-6201	7	7
05748	24193		26	10
05748	28029		26	1
05748	29593		6	8
81718	296-CA-1-5/8		3	21
81718	319-K-1.50		4	2
05748	32154	4820-00-228-1147	10	8
59730	35401	5940-00-549-8075	4	6
61080	400 013 00	5310-01-264-6239	14	8
61080	400 025 00		25	22
61080	400 031 00	5310-01-264-6234	12	3
61080	400 066 00	2910-01-264-6339	12	2
61080	400 190 00	2910-01-264-6238	14	7
61080	400 217 00	5330-01-246-7353	25	15
61080	400 220 00	5330-01-265-1927	25	2
61080	400 223 00	5330-01-069-9313	22	12
61080	400 228 00	5330-01-100-0638	25	10
61080	400 238 00	5330-01-069-9314	25	27
61080	400 278 00		23	8
61080	400 282 00	5310-01-080-0033	16	3
61080	400 283 00	5310-01-100-5204	9	29
61080	400 284 00		9	24
61080	400 326 11	2815-01-267-2310	9	27
61080	400 329 00	3120-01-265-1945	21	5
61080	400 337 00	5330-01-070-4832	21	6
61080	400 342 00	5330-01-070-6701	23	13
61080	400 356 00		23	7
61080	400 368 00		22	5
61080	400 373 00	5340-01-264-6228	9	13
61080	400 379 00		21	10
61080	400 397 01		25	17
61080	400 802 01	2910-01-264-6235	12	5
61080	400 816 00	5310-01-264-6236	13	5
61080	400 894 01	4330-01-264-6225	9	4
61080	400 933 00		9	20
05748	41136		9	15
72423	4171		5	9
			6	3

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FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
61060	490 031 00		12	9
61080	490 037 00		12	13
61080	490 039 00		12	12
61080	490 043 00		12	11
61080	490 044 00	5330-01-101-7264	12	14
61080	490 047 00	5330-01-101-8063	12	10
61080	490 181 00	5305-01-264-6232	11	4
61080	490 182 00	2990-01-264-6233	11	5
61080	490 183 00	4330-01-264-6231	11	3
61080	490 184 00	5330-01-264-6285	11	2
61080	490 185 00	5330-01-264-6284	11	1
61080	490 369 00		12	15
61080	500 010 00	5330-01-074-2109	17	2
			21	3
61080	500 011 00	5330-01-080-1776	12	7
			17	12
61080	500 012 00	5330-01-101-8076	9	10
61080	500 015 00 W7	5330-01-265-1756	25	21
61080	500 029 00		23	5
		5310-01-080-4999	25	6
61080	500 032 00		14	10
61080	500 035 00	5310-01-074-1498	15	8
			17	5
61080	500 036 00		22	11
61080	500 042 00		22	13
61080	500 064 00		9	9
61080	500 100 00		24	5
61080	500 111 00		24	10
61080	500 117 00	5315-01-265-1755	23	1
61080	500 129 00		21	8
61080	500 159 00		9	11
61080	500 165 00	5310-01-264-6245	15	13
61080	500 167 00	5310-01-079-9886	15	17
61080	500 168 00		13	2
61080	500 206 00	5365-01-070-2325	19	5
61080	500 227 00	5310-01-081-0142	15	1
			17	20
			18	23
			22	14
61080	500 229 00	5310-01-080-0025	12	4
			25	13
61080	500 230 00	5310-01-080-4986	17	26
61080	500 232 00	5310-01-264-6241	15	6
61080	500 234 00	5310-01-080-4987	16	5
			17	4
61080	500 235 00		22	6
61080	500 238 00		18	9
61080	500 245 00		14	9
61080	500 246 00		25	11
61080	500 251 00	5305-01-264-6244	15	12
61080	500 255 00		23	10

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FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
61080	500 292 00		21	2
		5306-01-074-6815	25	5
61080	500 341 00		18	19
61080	500 343 00		22	16
61080	500 346 00		18	16
61080	500 349 00		22	15
61080	500 357 00		18	14
61080	500 362 00		24	9
61080	500 372 00	5307-01-071-1326	18	26
61080	500 373 00	5307-01-071-1327	25	29
61080	500 426 00		18	11
61080	500 437 00		17	25
61080	500 471 00		24	15
61080	500 477 00		24	8
61080	500 501 00	5305-01-069-8897	16	2
61080	500 504 00		25	24
61080	500 513 00	5305-01-264-6249	17	1
61080	500 518 00		24	13
61080	500 520 00	5305-01-264-6247	15	16
61080	500 527 00	5305-01-264-6222	9	1
61080	500 534 00	5305-01-264-6237	14	1
61080	500 538 00		21	1
			23	2
61080	500 545 00		23	4
61080	500 621 00		25	18
61080	500 622 00		21	12
61080	500 624 00	5310-01-264-6229	9	19
61080	500 629 00	5310-01-264-6242	15	7
61080	501 075 00		19	6
61080	501 110 00	5307-01-070-9174	18	25
61080	501 224 00	5330-01-264-6287	13	7
61080	501 299 00	5330-01-264-6286	11	6
61080	501 333 00		15	4
61080	501 339 00	5305-01-264-6227	9	7
61080	501 443 00	5307-01-267-2308	9	30
61080	501 538 00	5330-01-070-7136	25	4
61080	501 540 00	5330-01-079-9960	23	14
61080	501 541 (0	5330-01-077-3913	17	11
61080	501 542 00	5330-01-070-1123	18	13
61080	501 543 00	5330-01-265-1926	18	18
61080	501 583 00	5310-01-264-6230	9	21
61080	501 697 00		9	18
61080	501 715 00		9	22
61080	501 716 00		9	23
61080	501 731 00	5305-01-264-6226	9	5
			13	1
61080	501 814 00	2910-01-264-6337	9	31
61080	502 524 00	5330-01-267-2307	14	6
61080	502 580 00	5330-01-265-1925	17	35
05748	51454		1	3
59723	5491		4	8

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FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
94130	6020		4	7
61080	603 114 00	5210-01-265-1802	27	1
61080	603 823 00	5120-01-265-1966	27	2
61080	604 581 00	5120-01-265-1803	27	4
61080	604 628 00	5210-01-265-1804	27	5
61080	612 087 00		27	6
61080	612 090 00	5120-01-265-1805	27	8
61080	612 091 00	5120-01-102-1670	27	9
61080	612 095 00	5120-01-265-1806	27	10
61080	612 099 00	5120-01-265-1807	27	11
61080	612 103 00	4940-01-266-0711	27	12
61080	612 104 00	4940-01-266-0712	27	13
61080	612 107 00	5110-01-265-1934	27	14
61080	612 752 00	5110-01-265-1808	27	15
61080	614 957 00	5120-01-265-2015	27	16
81718	616-W	5920-00-897-4857	3	30
61080	618 168 00	5120-01-265-1967	27	17
61080	618 305 00	5120-01-265-1809	27	18
61080	618 306 00	5120-01-265-1971	27	3
81646	6202	4730-00-871-6729	10	1
81718	633-HL		5	5
61080	666 067 00	5120-01-265-1810	27	19
61080	666 068 00	5120-01-265-1811	27	20
61080	666 069 00	5120-01-265-1812	27	21
61080	666 074 00	5120-01-265-1813	27	22
61080	666 075 00	5120-01-265-1814	27	23
61080	666 324 00	5120-01-265-1968	27	24
61080	666 327 01	5120-01-265-1969	27	25
61080	666 346 00	5120-01-265-1815	27	26
61080	666 418 00	5120-01-265-1816	27	27
61080	666 425 00	5120-01-265-1817	27	28
61080	668 335 00	5120-01-265-1918	27	7
61080	668 383 00	5120-01-265-1818	27	29
61080	669 347 00	5120-01-265-1819	27	30
61080	670 323 00	5120-01-265-1820	27	31
79470	6746		10	9
79470	6749		10	10
75542	718-R		26	4
35748	73477	4730-01-204-7939	10	3
05748	76789SA		7	3
05748	77123		10	11
05748	78241		4	3
05748	78398SA		4	1
05748	78400		1	21
05748	78520		26	23
05748	78613SA		26	24
05748	78652SA		1	18
05748	78666		4	9
05748	78678SA	4930-01-220-2605	2	
05748	78679		26	14
05748	78687SA		4	10

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FSCM	PART NUMBER	STOCK NUMBER	FIG.	ITEM
05748	78692SA		5	35
05748	78751SA		1	11
05748	79002SA		26	9
05748	79220		8	1
05748	79221		8	3
05748	79222		8	2
05748	79224		26	11
05748	79225		26	13
05748	79829		10	7
87373	801-4	4720-01-061-5935	BULK	1
75618	82-12-260-20		26	17
75618	82-32-101-20		26	16
75618	82-35-302-15		26	15
05748	82004		26	19

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FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
BULK	1	4720-01-061-5935	87373	801-4
1	1		61080	036 381 01
1	2	5305-00-175-3230	05748	01628
1	3		05748	51454
1	4		05748	15657SA
1	5	4730-00-869-5246	96906	MS27028-9
1	6	4730-00-360-0592	96906	MS27021-9
1	7	4730-00-965-6520	81349	WW-C-440
1	8		81349	M370B05A13000
1	9	4730-00-823-5316	96906	MS27029-9
1	10	4730-00-948-1722	96906	MS27025-9
1	11		05748	78751SA
1	12	4730-00-869-5246	96906	MS27028-9
1	13	4730-00-360-0592	96906	MS27021-9
1	14	4730-00-965-6520	81349	WW-C-440
1	15		81349	MIL-H-11588
1	16	4730-00-823-5316	96906	MS27029-9
1	17	4730-00-948-1722	96906	MS27025-9
1	18		05748	78652SA
1	19	4730-00-869-5246	96906	MS27028-9
1	20	4730-01-180-7711	97403	13217E2983
1	21		05748	78400
2		4930-01-220-2605	05748	78678SA
2	1		05748	12189SA
2	2		96906	MS20470AD4-5
2	3		05748	08423
2	4		96906	MS20470A04-5
2	5		96906	MS20257-5-335
2	6		05748	08408
2	7		05748	08409
3	1		05748	15689SA
3	2	4730-00-823-5316	96906	MS27029-9
3	3	4730-00-203-1010	96906	MS27026-9
3	4		81349	MIL-N-52110
3	5		81718	H-9600-AG
3	6		81718	H-136-M
3	7		81718	H-10432
3	8		81718	H-9899
3	9		81718	H-1670-M
3	10		81718	H-502-M
3	11		81718	H-428-RAG
3	12		81718	H-213-RB
3	13		81718	H-538-RE
3	14		81718	H-195-RB
3	15		81718	H-113-RAG
3	16		81718	H-7012-M
3	17		81718	H-714-M
3	18		81718	H-3163-M
3	19		81718	H-8164-M
3	20		81718	H-1668-B
3	21		81718	296-CA-1-5/8

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FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
3	22		81718	H-3673-M
3	23		81718	H-9597-R8
3	23		81718	H-9597-R8
3	25		81718	H-9209-M
3	26		81718	H-3804-AG
3	27		81718	190-GT-1-1/2
3	28		81718	H-7670-M
3	29		81718	153-1-1/2X1-5/8
3	30	5920-00-897-4857	81718	616-W
3	31		81718	HC-616-P
3	32		81718	H-5482-M
3	33		81718	HC-616-S
3	34		81718	H-5132-RS
3	35		81718	H-2789-AG
3	36		81718	D-546-AG
4	1		05748	78398SA
4	2		81718	319-K-1.50
4	3		05748	78241
4	4		05748	02591
4	5		97403	13226E1308
4	6	5940-00-549-8075	59730	35401
4	7		94130	6020
4	8		59723	5491
4	9		05748	78666
4	10		05748	78687SA
4	24		97403	13200E8802
5	1	4730-00-869-5246	96906	MS27028-9
5	2	5330-00-360-0595	96906	MS27030-5
5	3	4730-00-721-9639	97403	13217E6306
5	4	4730-00-823-5316	96906	MS27029-9
5	5		81718	633-HL
5	6	5330-00-360-0595	96906	MS27030-5
5	7	4730-01-071-4075	96906	MS51884-15
5	8	4730-01-004-5105	05748	15000
5	9		72423	4171
5	10	5310-00-880-7746	96906	MS51968-5
5	11		97403	13200E8814
5	12	4820-00-991-6517	97403	13200E8810
5	13	5305-00-637-1119	96906	MS35214-69
5	14		97403	13200E8811
5	15		97403	13200E8813
5	16		97403	13200E8812
5	17	5307-01-013-7888	96906	MS51864-103-18
5	18	5310-00-732-0560	96906	MS51968-14
5	19	5310-00-809-5998	96906	MS27183-18
5	20		97403	13200E8809
5	21	5330-00-263-8015	96906	MS29513-273
5	22	5307-01-016-4423	96906	MS51864-106-20
5	23		96906	MS35298-43
5	25		97403	13200E8808
5	26	5365-00-712-5972	97403	13200E8807-1

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FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
5	27	5310-00-712-7731	97403	13200E8807-2
5	28	5305-00-206-3689	96906	MS35198-70
5	29		974U3	13200E8815
5	30		96906	MS29513-253
5	31		97403	13200E8806
5	32		97403	13200E8804
5	33	5315-00-043-1787	96906	MS35756-34
5	34		97403	13200E8861
5	35		05748	78692SA
6	1	4730-01-100-0109	96906	MS51887-7C
6	2		97403	13218E0468-227
6	3		72423	4171
6	4		97403	13200E8803
6	5	5340-00-290-4521	96906	MS122122
6	6	5340-00-290-4504	96906	MS122125
6	7	5340-01-030-6854	96906	MS122121
6	8		05748	29593
7	1	2940-01-264-6353	18265	RBX00-2250
7	2		05748	03245
7	3		05748	76789SA
7	4		05748	05805
7	5		00736	204-302
7	6	5310-01-147-3984	00736	20515
7	7	5310-01-264-6201	00736	22852
7	8		00736	1NB-001
7	9	2940-01-264-6347	00736	1DM-007
7	10		00736	12PGJW/STEM
7	11	5330-01-148-0218	00736	12B-006
7	12		00736	204302-800
8	1		05748	79220
8	2		05748	79222
8	3		05748	79221
8	4	2815-01-264-6275	61080	E673LHK-216
9	1	5305-01-264-6222	61080	500 527 00
9	2	5340-01-264-6223	61080	031 655 00
9	3	5365-01-264-6224	p1080	035 206 00
9	4	4330-01-264-6225	61080	400 894 01
9	5	5305-01-264-6226	61080	501 731 00
9	6	5365-01-100-7392	61080	032 929 00
9	7	5305-01-264-6227	61080	501 339 00
9	8		61080	035 256 00
9	9		61080	500 064 00
9	10	5330-01-101-8076	61080	500 012 00
9	11		61080	500 159 00
9	12		61080	034 931 00
9	13	5340-01-264-6228	61080	400 373 00
9	14		61080	036 742 00
9	15		05748	41136
9	16		61080	034 936 00
9	17		61080	034 933 00
9	18		61080	501 697 00

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FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
9	19	5310-01-264-6229	61080	500 624 00
9	20		61080	400 933 00
9	21	5310-01-264-6230	61080	501 583 00
9	22		61080	501 715 00
9	23		61080	501 716 00
9	24		61080	400 284 00
9	25		61080	034 930 00
9	26		61080	035 258 00
9	27	2815-01-267-2310	61080	400 326 11
9	28		61080	006 913 00
9	29	5310-01-100-5204	61080	400 283 00
9	30	5307-01-267-2308	61080	501 443 00
9	31	2910-01-264-6337	61080	501 814 00
10	1	4730-00-871-6729	81646	6202
10	2		62727	139E-44
10	3	4730-01-204-7939	05748	73477
10	4	5305-00-068-0502	96906	MS90725-6
10	5	5310-00-395-6059	05748	02760
10	6		05748	02591
10	7		05748	79829
10	8	4820-00-228-1147	05748	32154
10	9		79470	6746
10	10		79470	6749
10	11		05748	77123
11	1	5330-01-264-6284	61080	490 185 00
11	2	5330-01-264-6285	61080	490 184 00
11	3	4330-01-264-6231	61080	490 183 00
11	4	5305-01-264-6232	61080	490 181 00
11	5	2990-01-264-6233	61080	490 182 00
11	6	5330-01-264-6286	61080	501 299 00
12	1	4710-01-264-6340	61080	034 057 00
12	2	2910-01-264-6339	61080	400 066 00
12	3	5310-01-264-6234	61080	400 031 00
12	4	5310-01-080-0025	61080	500 229 00
12	5	2910-01-264-6235	61080	400 802 01
12	6		61080	034 850 00
12	7	5330-01-080-1776	61080	500 011 00
12	8	4820-01-264-6294	61080	006 710 01
12	9		61080	490 031 00
12	10	5330-01-101-8063	61080	490 047 00
12	11		61080	490 043 00
12	12		61080	490 039 00
12	13		61080	490 037 00
12	14	5330-01-101-7264	61080	490 044 00
12	15		61080	490 369 00
12	16	5330-01-078-4508	61080	032 096 00
12	16	5330-01-082-6176	61080	032 095 00
12	16	5365-01-264-6330	61080	032 094 00
12	16	5365-01-264-6331	61080	032 097 00
12	16	5365-01-264-6332	61080	032 098 00
12	17		61080	030 626 00

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FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
12	18		61080	030 640 00
13	1		61080	501 731 00
13	2		61080	500 168 00
13	3		61080	007 852 00
13	4		61080	036 997 00
13	5	5310-01-264-6236	61080	400 816 00
13	6	2990-01-068-8217	61080	008 649 00
13	7	5330-01-264-6287	61080	501 224 00
14	1	5305-01-264-6237	61080	500 534 00
14	2		61080	003 137 01
14	3	5330-01-264-6288	61080	032 100 00
14	4		61080	004 106 11
14	5		61080	032 620 00
14	6	5330-01-267-2307	61080	502 524 00
14	7	2910-01-264-6238	61080	400 190 00
14	8	5310-01-264-6239	61080	400 013 00
14	9		61080	500 245 00
14	10		61080	500 032 00
14	11		61080	031 124 10
14	12	2990-01-264-6240	61080	003 150 00
15	1	5310-01-081-0142	61080	500 227 00
15	2		61080	035 119 00
15	3	5310-01-073-9220	61080	031 056 00
15	4		61080	501 333 00
15	5		61080	035 110 00
15	6	5310-01-264-6241	61080	500 232 00
15	7	5310-01-264-6242	61080	500 629 00
15	8	5310-01-074-1498	61080	500 035 00
15	9		61080	035 115 00
15	10		61080	035 116 00
15	11	5305-01-264-6243	61080	035 117 00
15	12	5305-01-264-6244	61080	500 251 00
15	13	5310-01-264-6245	61080	500 165 00
15	14	5340-01-265-1751	61080	031 122 00
15	15	5310-01-264-6246	61080	031 121 01
15	16	5305-01-264-6247	61080	500 520 00
15	17	5310-01-079-9886	61080	500 167 00
15	18		61080	007 204 00
16	1		61080	031 509 00
16	2	5305-01-069-8897	61080	500 501 00
16	3	5310-01-080-0033	61080	400 282 00
16	4		61080	030 666 01
16	5	5310-01-080-4987	61080	500 234 00
16	6	5310-01-264-6248	61080	037 663 00
16	7		61080	034 578 00
16	8		61080	030 665 01
16	9		61080	030 664 01
16	10		61080	034 929 00
17	1	5305-01-264-6249	61080	500 513 00
17	2	5330-01-074-2109	61080	500 010 00
17	3		61080	031 592 00

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FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
17	4	5310-01-080-4987	61080	500 234 30
17	5	5310-01-074-1498	61080	500 035 00
17	6		61080	003 138 02
17	7		61080	003 620 04
17	8	5330-01-264-6289	61080	032 089 02 W3
17	9	2815-01-265-1752	61080	003 618 01
17	10		61080	007 363 00 P1
17	11	5330-01-077-3913	61080	501 541 00
17	12	5330-01-080-1776	61080	500 011 00
17	13		61080	037 663 00
17	14		61080	030 615 01
17	15		61080	030 925 00
17	16		61080	031 731 00
17	17		61080	030 037 00
17	18		61080	030 220 01
17	19		61080	030 600 02
17	20		61080	500 227 00
17	21		61080	006 142 01
17	22		61080	034 301 01
17	23		61080	006 143 01
17	24		61080	034 301 01
17	25		61080	500 437 00
17	26	5310-01-080-4986	61080	500 230 00
17	27		61080	038 926 00
17	28	5330-01-264-6290	61080	034 772 00 W1
17	29	5330-01-074-1503	61080	035 821 00
17	29	5330-01-074-2105	61080	035 818 00
17	29	5330-01-074-2106	61080	035 819 00
17	29	5330-01-074-2107	61080	035 820 00
17	29	5330-01-074-2108	61080	035 822 00
17	29	5330-01-264-6291	61U80	037 703 00
17	30		61080	030 639 01
17	31		61080	009 026 00
17	32		61080	032 090 02
17	33		61080	031 851 00
17	34		61080	032 091 01
17	35	5330-01-265-1925	61080	502 580 00
18	1	2815-01-265-1753	61080	009 076 01
18	2		61080	031 719 10
18	3		61080	030 605 01
18	4		61080	032 081 00
18	5		61080	032 084 00
18	6		61080	032 080 01
18	7		61080	037 538 00
18	8		61080	035 698 20
18	9		61080	500 238 00
18	10		61080	030 611 00
18	11		61080	500 426 00
18	12		61080	030 638 00
18	13	5330-01-070-1123	61080	501 542 00
18	14		61080	500 357 00

**CROSS-REFERENCE INDEXES
FIGURE AND ITEM NUMBER INDEX**

FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
18	15		61080	007 468 00
18	16		61080	500 346 00
18	17		61080	031 734 01
18	18	5330-01-265-1926	61080	501 543 00
18	19		61080	500 341 00
18	20		61080	035 706 00
18	21		61080	007 401 21
18	22		61080	032 082 10
18	23	5310-01-081-0142	61080	500 227 00
18	24	2910-01-079-8052	61080	034 473 00
18	25	5307-01-070-9174	61080	501 110 00
18	26	5307-01-071-1326	61080	500 372 00
19	1	2815-01-265-1754	61080	009 127 00
19	2		61080	035 833 00
19	3		61080	009 041 00
19	4	2815-01-068-3790	61080	009 043 00
19	5	5365-01-070-2325	61080	500 206 00
19	6		61080	501 075 00
20	1		61080	003 613 00
20	2	3120-01-080-3017	61080	032 069 00
20	3		61080	033 937 00
20	4	3120-01-080-3018	61080	032 067 00
21	1		61080	500 538 00
21	2		61080	500 292 00
21	3		61080	500 010 00
21	4		61080	003 623 10
21	5	3120-01-265-1945	61080	400 329 00
21	6	5330-01-070-4832	61080	400 337 00
21	7		61080	036 124 00
21	8		61080	500 129 00
21	9	5330-01-074-1504	61080	032 092 02
21	10		61080	400 379 00
21	11		61080	032 780 00
21	12		61080	500 622 00
21	13		61080	032 093 00
21	14		61080	034 300 00
22	1		61080	030 597 00
22	2		61080	030 634 01
22	3		61080	030 633 01
22	4		61080	031 698 00
22	5		61080	400 368 00
22	6		61080	500 235 00
22	7		61080	032 060 00
22	8		61080	032 061 00
22	9		61080	031 462 00
22	10		61080	004 273 03
22	11		61080	500 036 00
22	12	5330-01-069-9313	61080	400 223 00
22	13		61080	500 042 00
22	14		61080	500 227 00
22	15		61080	500 349 00

**CROSS-REFERENCE INDEXES
FIGURE AND ITEM NUMBER INDEX**

FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
22	16		61080	500 343 00
22	17		61080	003 087 04
22	18		61080	034 442 00
23	1	5315-01-265-1755	61080	500 117 00
23	2		61080	500 538 00
23	3		61080	039 071 00
23	4		61080	500 545 00
23	5		61080	500 029 00
23	6		61080	030 632 01
23	7		61080	400 356 00
23	8		61080	400 278 00
23	9		61080	006 350 00
23	10		61080	500 255 00
23	11		61080	032 059 01
23	12		61080	005 630 01
23	13	5330-01-070-6701	61080	400 342 00
23	14	5330-01-079-9960	61080	501 540 00
24	1		61080	030 648 01
24	2		61080	030 045 01
24	3		61080	007 420 00
24	4		61080	031 700 01
24	5		61080	500 100 00
24	6		61080	030 066 02
24	7		61080	032 066 00
24	8		61080	500 477 00
24	9		61080	500 362 00
24	10		61080	500 111 00
24	11		61080	003 612 02
24	12		61080	031 950 00
24	13		61080	500 518 00
24	14		61080	030 609 01
24	15		61080	500 471 00
25	1	6680-01-264-6338	61080	003 088 02
25	2	5330-01-265-1927	61080	400 220 00
25	3	5305-01-264-6250	61080	030 690 04 P1
25	4	5330-01-070-7136	61080	501 538 00
25	5	5306-01-074-6815	61080	500 292 00
25	6	5310-01-080-4999	61080	500 029 00
25	7	5307-01-070-2148	61080	032 077 01
25	8	5307-01-070-6470	61080	032 076 00
25	9		61080	003 624 00
25	10	5330-01-100-0638	61080	400 228 00
25	11		61080	500 246 00
25	12		61080	032 058 00
25	13		61080	500 229 00
25	14		61080	031 049 01
25	15	5330-01-246-7353	61080	400 217 00
25	16		61080	030 604 03
25	17		61080	400 397 01
25	18		61080	500 621 00
25	19		61080	031 693 00

**CROSS-REFERENCE INDEXES
FIGURE AND ITEM NUMBER INDEX**

FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
25	20	5365-01-264-6251	61080	031 691 03 W1
25	21	5330-01-265-1756	61080	500 015 00 W7
25	22		61080	400 025 00
25	23		61080	036 396 00
25	24		61080	500 504 00
25	25		61080	032 062 00
25	26		61080	032 056 02
25	27	5330-01-069-9314	61080	400 238 00
25	28		61080	009 128 00
25	29	5307-01-071-1327	61080	500 373 00
26	1		05748	28029
26	2		05748	02497
26	3		05748	02594
26	4		75542	718-R
26	5		93692	B1B10-5.0
26	6		05748	02343
26	7		96906	MS51967-5
26	8		96906	MS35338-45
26	9		05748	79002SA
26	10		05748	24193
26	11		05748	79224
26	12		64933	10Z42-1010
26	13		05748	79225
26	14		05748	78679
26	15		75618	82-35-302-15
26	16		75618	82-32-101-20
26	17		75618	82-12-260-20
26	18		05748	01628
26	19		05748	82004
26	20		05748	02200
26	21		05748	02760
26	22		05748	02591
26	23		05748	78520
26	24		05748	78613SA
27	1	5210-01-265-1802	61080	603 114 00
27	2	5120-01-265-1966	61080	603 823 00
27	3	5120-01-265-1971	61080	618 306 00
27	4	5120-01-265-1803	61080	604 581 00
27	5	5210-01-265-1804	61080	604 628 00
27	6		61080	612 087 00
27	7	5120-01-265-1918	61080	668 335 00
27	8	5120-01-265-1805	61080	612 090 00
27	9	5120-01-102-1670	61080	612 091 00
27	10	5120-01-265-1806	61080	612 095 00
27	11	5120-01-265-1807	61080	612 099 00
27	12	4940-01-266-0711	61080	612 103 00
27	13	4940-01-266-0712	61080	612 104 00
27	14	5110-01-265-1934	61080	612 107 00
27	15	5110-01-265-1808	61080	612 752 00
27	16	5120-01-265-2015	61080	614 957 00
27	17	5120-01-265-1967	61080	618 168 00

**CROSS-REFERENCE INDEXES
FIGURE AND ITEM NUMBER INDEX**

FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
27	18	5120-01-265-1809	61080	618 305 00
27	19	5120-01-265-1810	61080	666 067 00
27	20	5120-01-265-1811	61080	666 068 00
27	21	5120-01-265-1812	61080	666 069 00
27	22	5120-01-265-1813	61080	666 074 00
27	23	5120-01-265-1814	61080	666 075 00
27	24	5120-01-265-1968	61080	666 324 00
27	25	5120-01-265-1969	61080	666 327 01
27	26	5120-01-265-1815	61080	666 346 00
27	27	5120-01-265-1816	61080	666 418 00
27	28	5120-01-265-1817	61080	666 425 00
27	29	5120-01-265-1818	61080	668 383 00
27	30	5120-01-265-1819	61080	669 347 00
27	31	5120-01-265-1820	61090	670 323 00

By Order of the Secretary of the Army:

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


Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

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The Metric System and Equivalents

Linear Measure

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

Weights

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

Liquid Measure

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

Square Measure

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