

TECHNICAL MANUAL

UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST  
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

AIR COMPRESSOR, DIVING  
20 CFM, MODEL K-20, 5,000 PSI,  
NSN 4310-01-291-8028

DISTRIBUTION STATEMENT: Approved for public release; distribution is unlimited.

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HEADQUARTERS, DEPARTMENT OF THE ARMY

15 JANUARY 1993

CHANGE

NO. 2

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C., 10 October 1996

Unit, Direct Support, and General Support Maintenance  
Repair Parts and Special Tools List  
(Including Depot Maintenance Repair Parts and Special Tools)

**AIR COMPRESSOR, DIVING**  
**20 CFM, Model K-20, 5000 PSI**  
**NSN 4310-01-291-8028**

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i and ii  
8-1 through Figure 10  
12-1 through 13-2  
19-1 through Figure 21  
33-1 through Figure 37  
38-1 through Figure 40  
Figure 43 through 43-2  
Figure 44 and 44-1  
  
Figure 45 through 45-2

**Insert pages**

i and ii  
8-1 through Figure 10  
12-1 through 13-2  
19-1 through Figure 21  
33-1 through Figure 37  
38-1 through Figure 40  
Figure 43 through 43-2  
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Figure 45 through 45-2

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*General, United States Army  
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WASHINGTON, D.C., 14 July 1995

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i and ii  
7-1 and Figure 8  
41-1 and Figure 42  
46-1  
I-1 through I-4  
I-9 and I-10  
I-25 and I-26  
I-45 through I-48

Insert pages

i and ii  
7-1 and Figure 8  
41-1 and Figure 42  
46-1  
I-1 through I-4  
I-9 and I-10  
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I-45 through I-48

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Unit, Direct Support and General Support  
Maintenance Repair Parts and Special Tools List  
(Including Depot Maintenance Repair Parts and Special Tools)

**AIR COMPRESSOR, DIVING**  
**20 CFM, MODEL K-20, 5, 000 PSI**  
**NSN 4310-01-291-8028**  
**Current as of 20 November 1992**

**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help improve this manual. If you find any mistakes, or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. You may also submit your recommended changes by E-mail directly to <mpmt/oavma28@st-louis-emh7.army.mil>. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

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

**SECTION I. INTRODUCTION**

**1. SCOPE.** This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of unit, direct support, and general support maintenance of the 20 CFM Diving Air Compressor. 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).

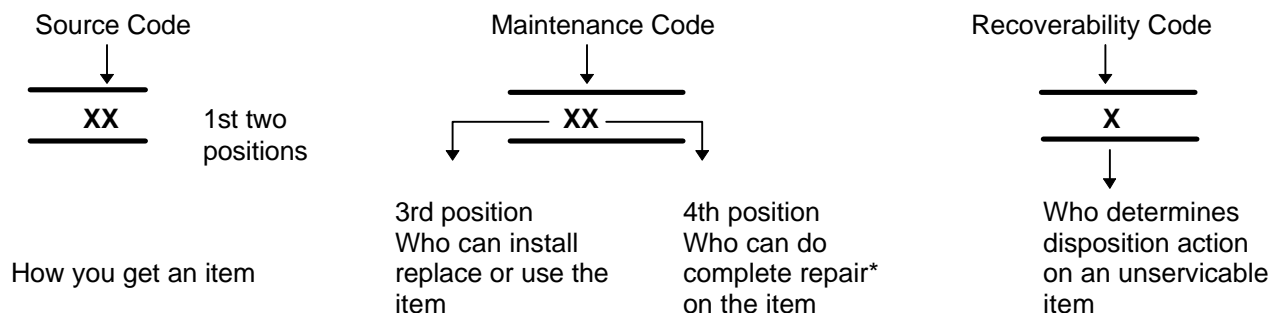
**b. Section III. Special Tools List.** A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

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

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

**Code Explanation**

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

IO—Made at org/ AVUM category IF—Made at DS/ AVUM category IH—Made at GS category IL—Made at Specialized Repair Activity (SRA) ID—Made at Depot	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 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.
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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	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.
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- XA - Do not requisition "XA" -coded item. Order its next higher assembly. (Also, refer to the NOTE below.)
- XB - If an "XB" item is not available from salvage, order it using the CAGEC and part number given.
- XC - Installation drawing, diagram, instruction sheet, field service drawing, that is identified by Reciprocating Compressor manufacturer's part number.
- XD - Item is not stocked. Order an "XD" -coded item through normal supply channels using the CAGEC and part number given if no NSN is available.



**NOTE**

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 750-1.

**(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.
O -	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
O -	Organizational or (aviation unit) is the lowest level that can do complete repair of the item.
F -	Direct support or aviation intermediate is the lowest level that can do complete repair of the item.
H -	General Support is the lowest level that can do complete repair of the item.
L -	Specialized repair activity 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 third position of SMR Code.
O -	Reparable item. When not economically repairable, condemn and dispose of the item at organizational or aviation unit level
F -	Reparable item. When uneconomically repairable, condemn and dispose of the item at the direct support or aviation intermediate level
H -	Reparable item. When uneconomically repairable, condemn and dispose of the item at the general support level.
D -	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item not authorized below depot level.
L -	Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).
A -	Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

**c. CAGEC (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, 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 C1 Confidential, Phy Sec C1 (S) Secret, Phy Sec C1 (T) Top Secret.
- (3)** Items that are included in kits and sets are listed below the name of the kit or set.
- (4)** Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.
- (5)** Part numbers for bulk materials are referenced in this column in the line 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 NUMBER (NSN) INDEX.**

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

NSN
5305-01-574-1467
NIIN

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 (ie., 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) **CAGEC column.** The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(2) **PART NUMBER column.** Indicates the primary number used by the manufacturer (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 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) **CAGEC column.** The Commercial and Government Entity Code (CAGEC) 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 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 pertain to the 20 CFM Diving Air Compressor and its components.

Publication	Short Title
TM 5-310-389-14	Operator, Unit, Direct Support and General Support Maintenance Manual, 20 CFM Diving Air Compressor

**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 c-4a.(1)). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see paragraph c-4.b). 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.

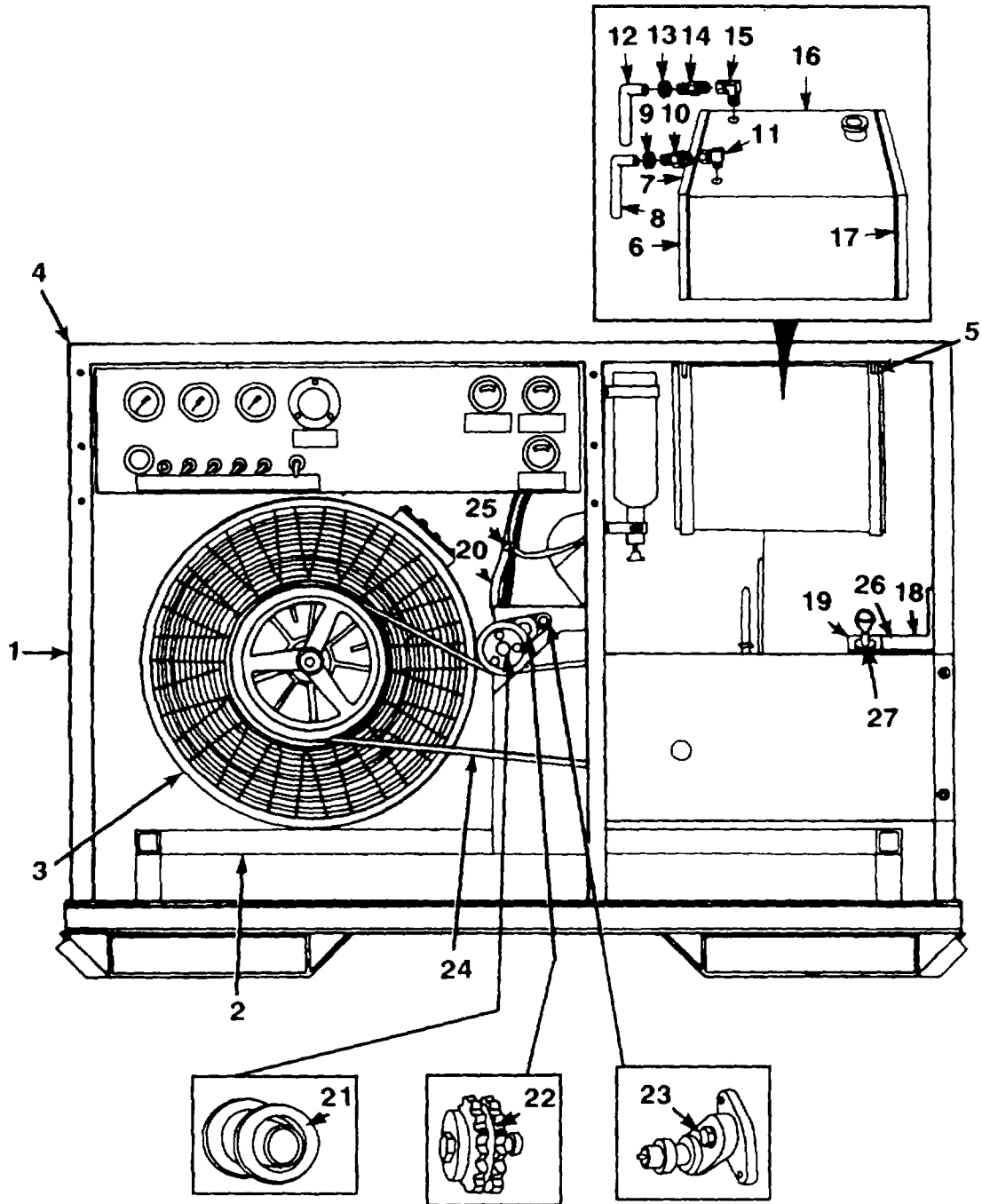


Figure 1. Compressor, K-20 (Sheet 1 of 3)

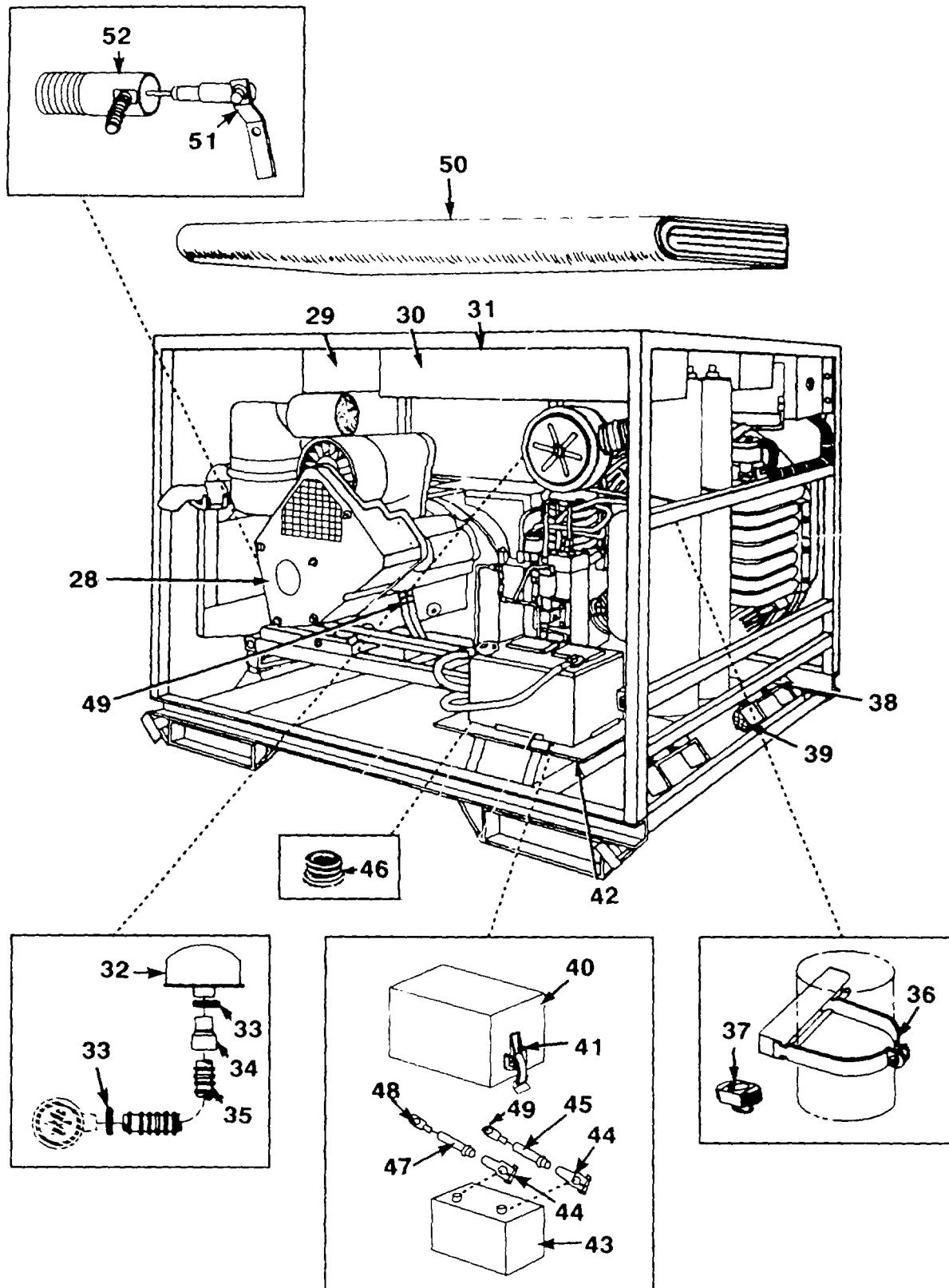


Figure 1. Compressor, K-20 (Sheet 2 of 3)

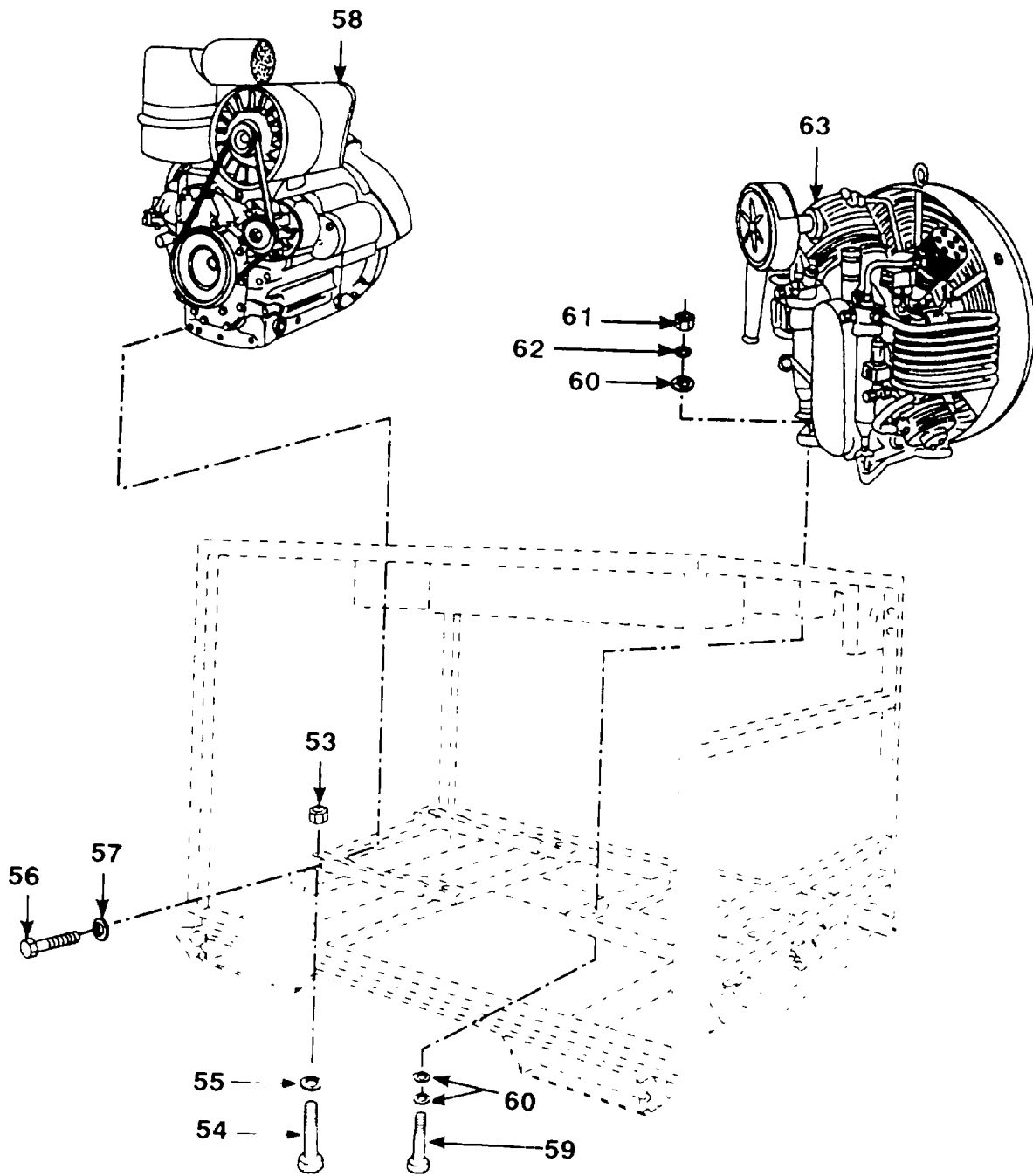


Figure 1. Compressor K-20 (Sheet 3 of 3)



(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 00 COMPRESSOR UNIT					
FIG. 1 COMPRESSOR, K/20					
1	XDHZZ	57328	FRM-48	OUTER FRAME .....	1
2	XDHZZ	57328	FRM-47	INNER FRAME.....	1
3	XDHZZ	57328	GRD-8	BELT GUARD .....	1
4	XDFZZ	99017	FP-204	PLASTIC CAP .....	4
5	XDOZZ	57328	MTS-12	MOUNT,FUEL TANK.....	1
6	XDOZZ	57328	SPR-8	STRAP,FUEL TANK.....	4
7	XDOZZ	57328	SPR-7	STRAP,FUEL TANK.....	2
8	MFFZZ	01276	1525-4	HOSE,NONMETALLIC MAKE FROM BULK P/ .....	1
				N 1525-4,CUT TO 72 INCHES .....	
9	XDFZZ	3S708	350-004	HOSE CLAMP .....	4
10	XDFZZ	45681	4738-6-6B	HOSE, BARB .....	1
11	XDFZZ	18034	8MO-2-8RT	MALE ELBOW .....	1
12	MFFZZ	01276	2556-8	HOSE,NONMETALLIC MAKE FROM BULK P/ .....	1
				N 2556-8, CUT TO 72 INCHES .....	
13	XDFZZ	3S708	CMP-0024	HOSE CLAMP .....	1
14	XDFZZ	45681	625-HBL-4-2	HOSE, BARB .....	2
15	XDFZZ	01276	SAE 140239	ELBOW, STREET .....	4
16	XDFZZ	57328	MTS-13	FUEL TANK .....	1
17	XDFZZ	9R868	STR-0011	RUBBER STRIP.....	10
18	XDOZZ	57328	BRK-40	THROTTLE STOP.....	1
19	XDOZZ	57328	BRK-41	CABLE KNOB BRK.....	1
20	MOOZZ	08132	55-1861-04	HOSE, RUBBER MAKE FROM BULK P/N 55- .....	1
				1861-04,CUT TO 72 INCHES.....	
21	XDOZZ	6A844	IDP1 5/8	BUSHING.....	1
22	XCHZZ	71176	4D2FP	PULLEY,FLAT 4 INCHES.....	1
23	XDOZZ	57328	DATSP	TENSIONER .....	1
24	PAOZZ	24161	A93	BELT,V .....	2
25	XDFZZ	70655	9384	P-CLAMP .....	5
26	XDOZZ	57328	LBL-97	THROTTLE LABEL .....	1
27	XDFZZ	62809	CA27457	CONTROL ASSEMBLY,PU .....	1
28	XDOZZ	57328	GRD-7	BELT GUARD,ENG.....	1
29	XDOZZ	57328	GRD-6	EXHAUST GUARD.....	1
30	XDOZZ	57328	BOX-9	BOX,INTAKE HOSE .....	1
31	XDOZZ	57328	MTS-11	INTAKE HOSE MT .....	1
32	PAOZZ	18265	GAC 00-2019	CAP,PROTECTIVE,DUST.....	1
33	XDFZZ	74821	5032	HOSE,CLAMP.....	2
34	XDFZZ	81518	RED-0066	REDUCE HOSECUFF.....	1
35	PAOZZ	39428	5290K23	HOSE,NONMETALLIC 2 INCH FLEXIBLE .....	15
36	XDFZZ	7D107	P1120	CLAMP, UNISTRUT .....	1
37	XUFZZ	7D107	P4006-1420	UNISTRUT NUT.....	2
38	XDFZZ	2X949	M10-68	VIBRATION ABSOR .....	10
39	XDOZZ	78174	B120	STRAP,GROUNDING .....	1
40	XDOZZ	57328	CVR-14	BATTERY COVER .....	1
41	XDFZZ	71286	20L01-3-1AA	CATCH,CLAMPING .....	2
42	XDOZZ	57328	MTS-10	BATTERY MOUNT.....	1
43	XDOZZ	90660	EXIDE 4-27	BATTERY .....	1
44	XDOZZ	19328	900125	BATTERY TERMINA.....	2
45	XDOZZ	19328	55121A	BATTERY CBL,BLK .....	3

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
46	XDFZZ	70655	4428	RUBBER GROMMET .....	2
47	XDOZZ	19328	55121	BATTERY CBL,RED .....	4
48	XDFZZ	19328	257383	STUD, COPPER .....	2
49	XDFZZ	19328	257563	STUD COPPER .....	2
50	XDFZZ	8D324	CVR-15	COVER,TARPAULIN.....	1
51	XDOZZ	88136	2963-7001	STOP LEVEL .....	1
52	PAOZO	88136	Q613A-1	SOLENOTD,ELECTRICAL.....	1
53	XDFZZ	57328	130-4824	HEX NUT .....	4
54	XDFZZ	57328	129-0715	HEX BOLT .....	4
55	XDFZZ	57328	331-2840	WASHER .....	4
56	XDOZZ	57328	51002-S	HEX BOLT .....	31
57	XDFZZ	57328	331-4976	SPRING WASHER .....	4
58	PDFHH	62445	F2L912	ENGINE,DIESEL SEE FIGURES 13-40 .....	1
				FOR BREAKDOWN .....	
59	XDFZZ	57328	N89	HEX BOLT .....	4
60	XDFZZ	57328	N108	SPRING WASHER.....	12
61	XDFZZ	57328	N57	HEX NUT .....	4
62	XDFZZ	D8286	A8-4DIN125ST	WASHER,FLAT.....	4
63	PDFHH	57328	K20	COMPRESSOR UNIT,REC SEE FIGURES 2- .....	1
				12 FOR BREAKDOWN .....	

END OF FIGURE

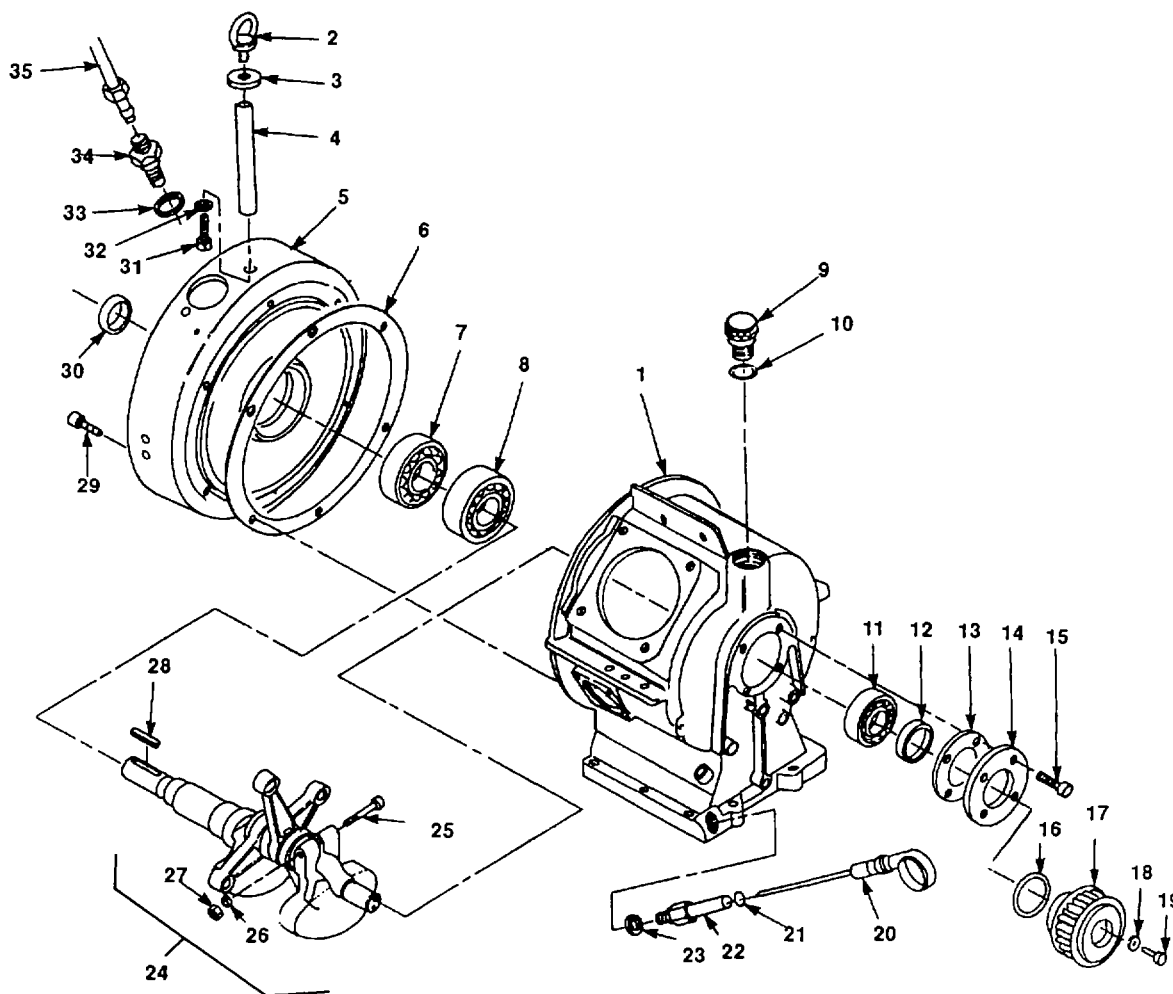


Figure 2. Crankcase, Upper

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 01 COMPRESSOR					
FIG. 2 CRANKCASE, UPPER					
1	XDHHH	57328	56535-000	••CRANKCASE,UPPER .....	1
2	XDHZZ	57328	N4467	••EYEBOLT .....	1
3	XDHZZ	57328	1492-310	••WASHER.....	1
4	XDHZZ	57328	61068-000	••ANCHOR SLEEVE .....	1
5	XDHZZ	57328	60785-030	••COVER.....	1
6	XDHZZ	57328	3177-990	••GASKET .....	1
7	PAHZZ	D2456	6307C3	••BEARING,BALL,ANNULA.....	1
8	PAHZZ	D2456	6308 3	••BEARING,BALL,ANNULA.....	1
9	XDHZZ	57328	61054-650	••PLUG.....	1
10	PAHZZ	57'28	N15412	••PACKING,PREFORMED .....	1
11	PAHZZ	57328	N3703	••ROLLER,BEARING .....	1
12	PAHZZ	57328	N15067	••SEAL,PLAIN .....	1
13	PAHZZ	D9135	3733-090	••GASKET .....	1
14	XDHZZ	57328	59784-030	••COVER.....	1
15	XDHZZ	57328	N1510	••ALLEN SCREW.....	4
16	PAFZZ	57328	N15106	••PACKING,PREFORMED .....	1
17	XDFZZ	57328	060757-650	••TENSION PULLEY .....	1
18	XDFZZ	57328	N654	••SPRING WASHER .....	2
19	XDFZZ	57328	9825-872	••ALLEN SCREW.....	2
20	XDHZZ	57328	13560-650	••DIPSTICK.....	1
21	PAHZZ	09135	11111-0-001338	••PACKING,PREFORMED .....	1
22	XDHZZ	57328	012563-650	••DIPSTICK TUBE.....	1
23	PAHZZ	D8286	A14X20DIN7603CU	••GASKET .....	1
24	XDFHH	57328	060128-010	••DRIVE GEAR.....	1
25	XDHZZ	57328	N4366	••FITTED BOLT.....	1
26	XDHZZ	57328	N108	••SPRING WASHER .....	1
27	XDHZZ	57328	N57	••HEX,NUT .....	1
28	XDHZZ	57328	N1363	••KEY .....	1
29	XDHZZ	57328	N503	••ALLEN SCREW.....	6
30	PAHZZ	57328	N170	••SEAL,PLAIN .....	1
31	XDHZZ	57328	N9339	••ALLEN SCREW.....	1
32	XDHZZ	57328	N176	••SPRING WASHER .....	1
33	XDHZZ	57328	N293	••GASKET .....	1
34	XDHZZ	57328	61043-635	••CONNECTOR,MALE .....	1
35	XDHZZ	57328	N15098	••VENT TUBE .....	1

END OF FIGURE

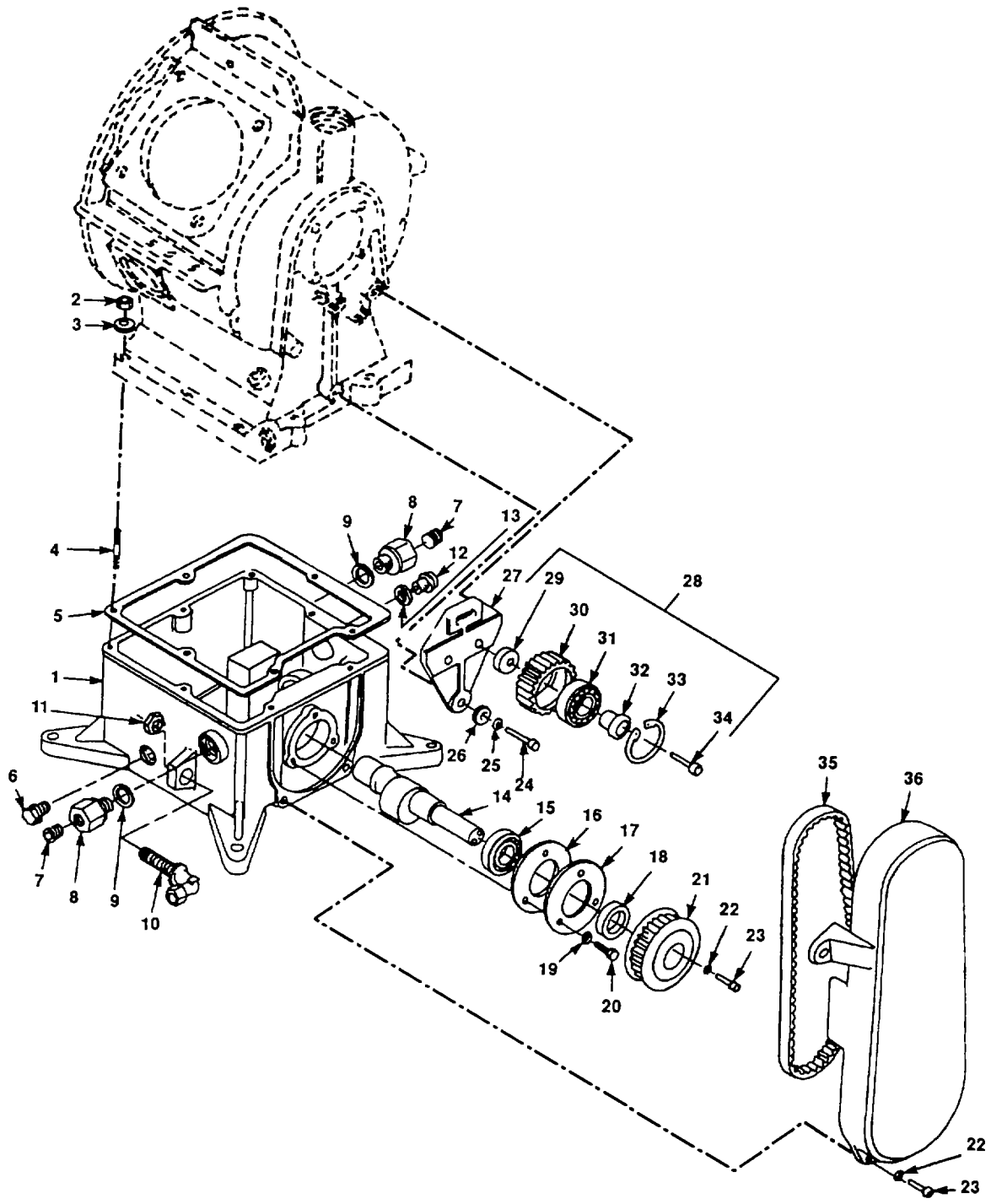


Figure 3. Crankcase, Lower

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
SECTION II					
GROUP 01 COMPRESSOR					
FIG. 3 CRANKCASE, LOWER					
1	XDOHH	57328	58120-000	•CRANKCASE, LOWER.....	1
2	XDHZZ	57328	N370	••HEX, NUT.....	7
3	XDHZZ	57328	N50	••WASHER.....	7
4	XDHZZ	57328	N85	••STUD.....	7
5	PAHZZ	D9135	12386-090	••GASKET.....	1
6	XDHZZ	57328	N3707	••PLUG.....	1
7	XDHZZ	57328	N4840	••PLUG.....	2
8	XDHZZ	57328	59326-635	••REDUCER.....	2
9	XDHZZ	57328	N4261	••GASKET.....	2
10	XDHZZ	57328	N4322	••ELBOW, BULKHEAD.....	1
11	XDHZZ	57328	NUT-0003	••HEX, NUT.....	1
12	XDHZZ	57328	N2447	••OIL DRAIN PLUG.....	1
13	XDHZZ	57328	N293	••GASKET.....	1
14	XDHZZ	57328	4704-650	••ECCENTRIC SHAFT.....	1
15	PAHZZ	D2456	6204	••BEARING, BALL, ANNULA.....	1
16	PAHZZ	D9135	149A090	••GASKET.....	1
17	XDHZZ	57328	5348-030	••COVER.....	1
18	XDHZZ	57328	N86	••SHAFT SEAL.....	1
19	XDHZZ	57328	N102	••WASHER.....	3
20	XDHZZ	57328	N53	••HEX SCREW.....	3
21	XDHZZ	57328	12382-650	••TENSION PULLEY.....	1
22	XDOZZ	57328	N1313	••SPRING WASHER.....	6
23	XDOZZ	57328	N210	••ALLEN SCREW.....	6
24	XDOZZ	57328	N210	••ALLEN SCREW.....	2
25	XDOZZ	57328	N108	••SPRING, WASHER.....	2
26	XDOZZ	57328	N2460	••WASHER.....	2
27	XDOZZ	57328	12445-650	••TENSION ARM.....	1
28	XDFFF	57328	0125695-650	••TENSION ASSY.....	1
29	PAFZZ	57328	12400-650	•••SPACER,RING.....	1
30	XCFZZ	57328	PLY-0003	•••TENSION PULLEY.....	1
31	PAFZZ	57328	N2913	•••BALL,BEARING.....	1
32	PAFZZ	57328	12401-650	•••SEAT,BEARING.....	1
33	PAFZZ	57328	N2128	•••RING,RETAINING.....	1
34	XDFZZ	D8286	M8X30DIN912-8-8	•••SCREW,CAP,SOCKET HE.....	1
35	PAFZZ	57328	N2874	••BELT,POSITIVE DRIVE.....	1
36	XDOZZ	57328	12402-872	••BELT GUARD.....	1

END OF FIGURE

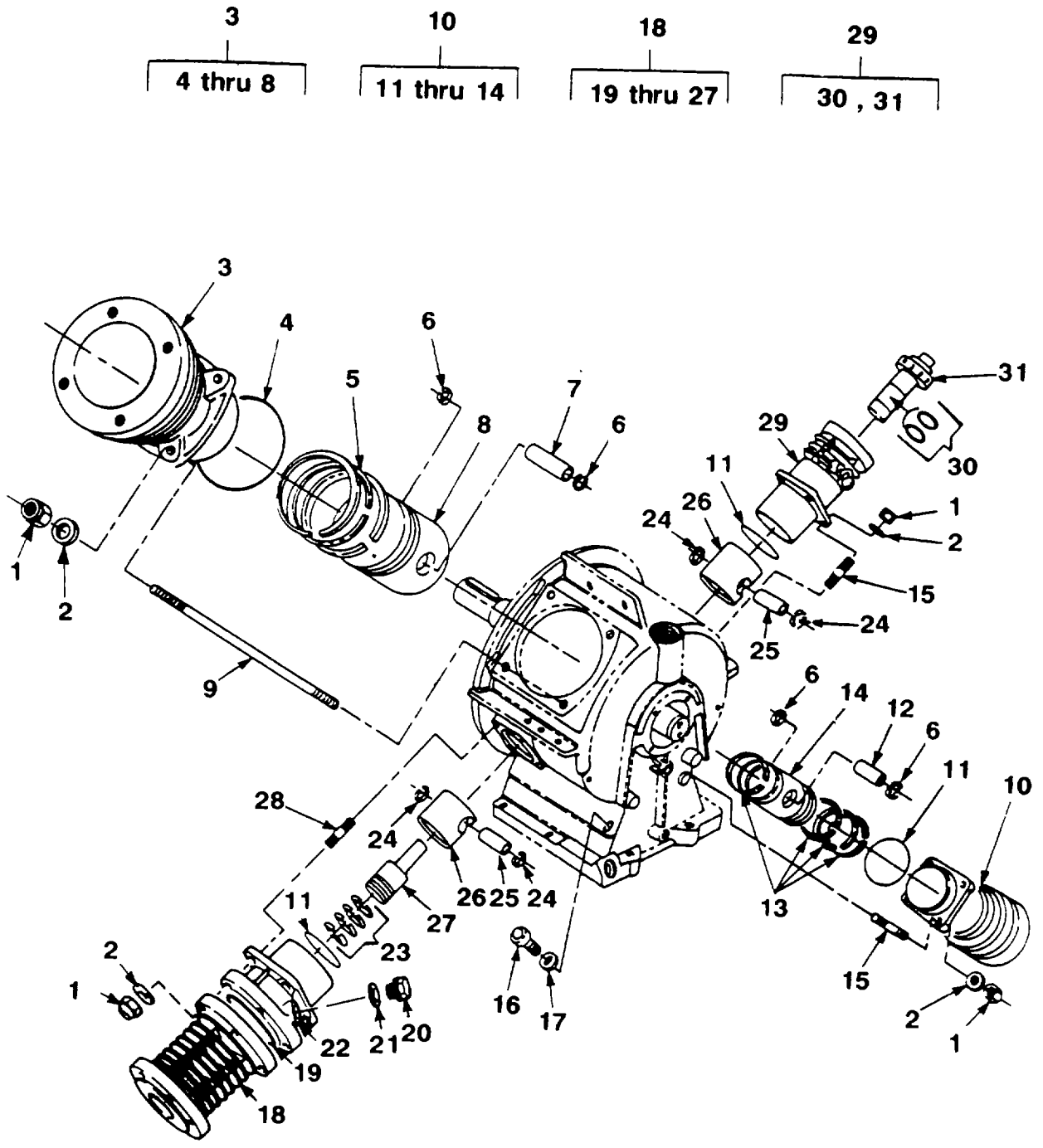


Figure 4. Cylinder Block Assembly

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
SECTION II					
GROUP 01 COMPRESSOR					
FIG. 4 CYLINDER BLOCK ASSEMBLY					
	XCFHH	57328	K180	•CYLINDER BLOCK .....	1
1	XDHZZ	08286	DIN985-M8-8	••NUT,SELF-LOCKING,HE .....	16
2	PAFZZ	08286	A8-4DIN125ST	••WASHER,FLAT .....	16
3	XDHZZ	57328	61179-060	••CYLINDER 1ST STAGE .....	1
4	PAHZZ	57328	N2621	•••PACKING,PREFORMED .....	1
5	PAHZZ	57328	N4642	•••RING SET,PISTON .....	1
6	XAHZZ	57328	RNG-0075	•••SNAP RING.....	4
7	XAHZZ	57328	PIN-007	•••PISTON PIN .....	1
8	PAFHH	57328	61180-050	•••PISTON,COMPRESSOR 1ST STAGE .....	1
9	XDFZZ	57328	M15424	•••STUD .....	4
10	XDFZZ	57328	60572-060	•••CYLINDER 2ND STAGE .....	1
11	PAHZZ	02697	2-039N674-70	•••PACKING,PREFORMED .....	1
12	XAHZZ	57328	NPN	•••PISTON PIN .....	1
13	XDHZZ	D9135	N1461	•••RING SET,PISTON .....	1
14	XDFZH	09135	N2907	•••PISTON,COMPRESSOR 2ND STAGE.....	1
15	XDFZZ	57328	N215	•••STUD .....	8
16	XDHZZ	57328	N15121	•••ALLEN SCREW.....	1
17	PAHZZ	D08286	A14X20DIN7603CU	•••GASKET.....	1
18	XDHZZ	57328	67061-060	•••CYLINDER 3RD STAGE .....	1
19	XDHZZ	57328	N7063	•••PACKING,PREFORMED .....	1
20	XDHZZ	57328	N3459	•••PLUG,PIPE .....	1
21	XDHZZ	D8286	A10X15DIN7603AL	•••GASKET.....	1
22	XDHZZ	57328	67057-060	•••CYLINDER,LOWER .....	1
23	PAHZZ	57328	N16313	•••RING SET,PISTON .....	1
24	XAHZZ	57328	RNG-0076	•••SNAP RING.....	4
25	XAHZZ	57328	PIN-0009	•••PISTON PIN .....	2
26	XDFZZ	57328	60087-050	•••GUIDE PISTON 3RD STAGE .....	2
27	XDHZZ	09135	N4378	•••PISTON,COMPRESSOR.....	1
28	XDFZZ	57328	N17462	••STUD.....	1
29	XDFHH	57328	60533-060	••CYLINDER 4TH STAGE .....	1
30	PAHZZ	09523	1433-643376-3	•••PACKING,PREFORMED .....	2
31	PAHHH	57328	061050-50	•••CYLINDER SLEEVE AND .....	1

END OF FIGURE



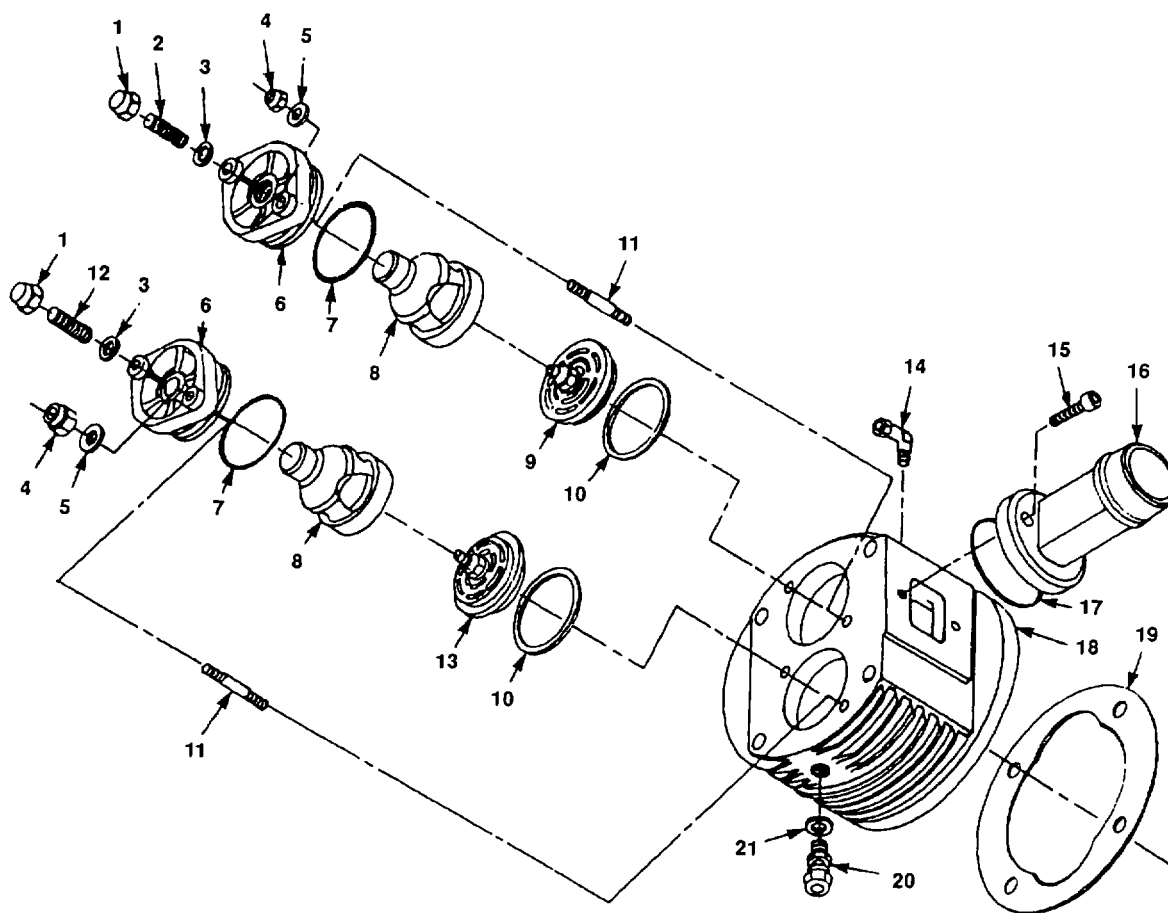


Figure 5. Valve Head Assembly, 1st, Stage

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 01 COMPRESSOR					
FIG. 5 VALVE HEAD ASSEMBLY, 1ST STAGE					
	XDFHH	57328	061181-070	•VALVE HEAD ASSEMBLY.....	1
1	XDHZZ	57328	N309	••ACORN NUT .....	2
2	XDHZZ	57328	N2741	••STUD.....	1
3	XDHZZ	D8286	A14X20DIN7603CU	••GASKET .....	2
4	XDHZZ	57328	N644	••HEX NUT SELF-LK.....	4
5	XDHZZ	57328	N16	••WASHER.....	4
6	XDHZZ	57328	61035-080	••FLANGE .....	2
7	PAHZZ	57328	N4085	••SEAL,PLAIN .....	2
8	XDHZZ	57328	60233-080	••HOOD.....	2
9	PAHZZ	57328	N2975	••VALVE,SUCTION .....	1
10	PAHZZ	D9135	5298A090	••GASKET .....	2
11	XDHZZ	57328	N4605	••STUD.....	4
12	XDHZZ	57328	N4102	••STUD.....	1
13	PAHZZ	57328	N4149	••VALVE,DISCHARGE .....	1
14	XDHZZ	57328	N2917	••MALE ELBOW.....	1
15	XDHZZ	57328	N700	••ALLEN SCREW .....	2
16	XDHZZ	57328	61041-080	••PIECE, INTERMED .....	1
17	PAHZZ	57328	N2485	••PACKING,PREFORMED .....	1
18	XDHZZ	57328	60991-070	••VALVE HEAD .....	1
19	PAHZZ	57328	61183-090	••GASKET .....	1
20	XDHZZ	57328N15401		••MALE CONNECTOR .....	1
21	PAHZZ	57328	N293	••SEAL,PLAIN .....	1

END OF FIGURE

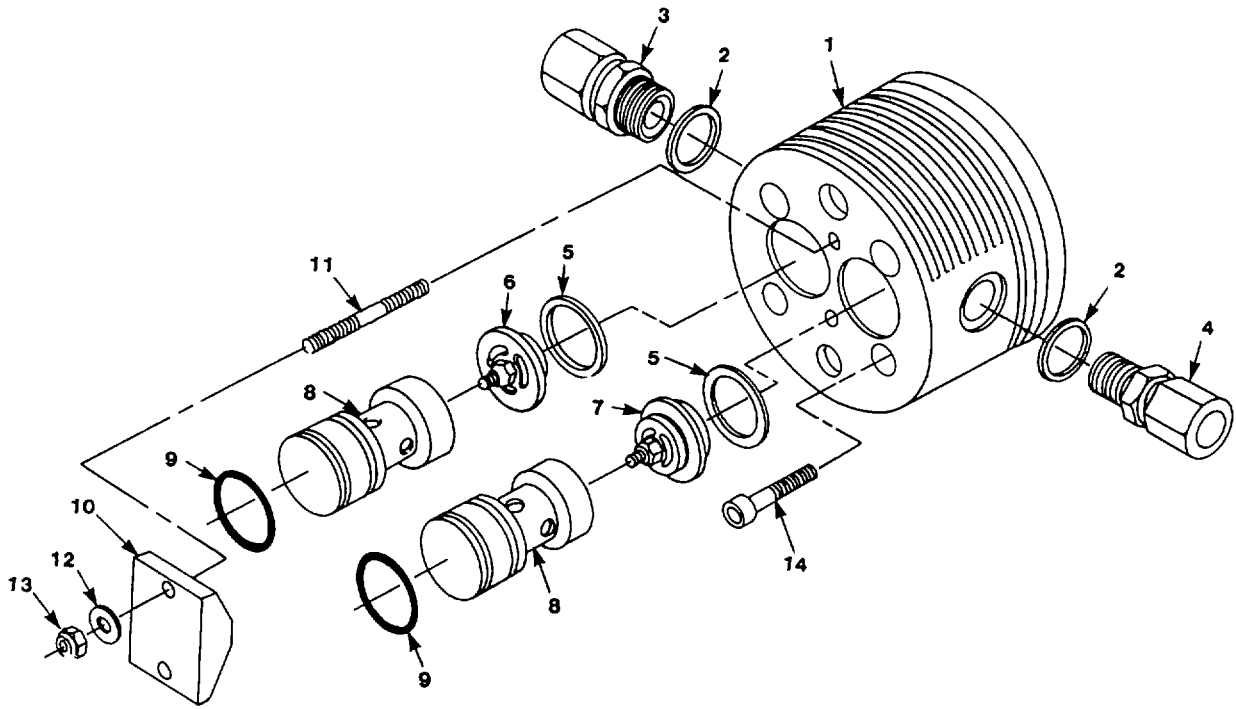


Figure 6. Valve Head Assembly, 2nd Stage

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
NO	CODE	CAGEC	NUMBER		
GROUP 01 COMPRESSOR					
FIG. 6 VALVE HEAD ASSEMBLY, 2ND STAGE					
	XDFFF	57328	061056-070	•VALVE HEAD ASSEMBLY.....	1
1	XDFZZ	57328	60583-070	••VALVE HD 2ND STAGE .....	1
2	PAFZZ	57328	N293	••SEAL, PLAIN .....	2
3	XDFZZ	57328	N15401	••MALE CONNECTOR .....	1
4	XDFZZ	57328	N4069	••MALE CONNECIOR .....	1
5	PAFZZ	57328	56668-090	••GASKET .....	2
6	PAFZZ	57328	N15273	••VALVE, SUCTION .....	1
7	PAFZZ	57328	N15274	••VALVE, DISCHARGE .....	1
8	XDFZZ	57328	56183-080	••VALVE CAP.....	2
9	PAFZZ	81349	M83248-1-216	••PACKING, PREFORMED .....	2
10	XDFZZ	57328	62924-080	••PRESS PAD .....	1
11	XDFZZ	57328	N4190	••STUD.....	2
12	XDFZZ	57328	N16	••WASHER.....	2
13	XDFZZ	57328	N3474	••NUT, HEX SELF-LK.....	2
14	XDFZZ	57328	N503	••ALLEN SCREW .....	6

END OF FIGURE

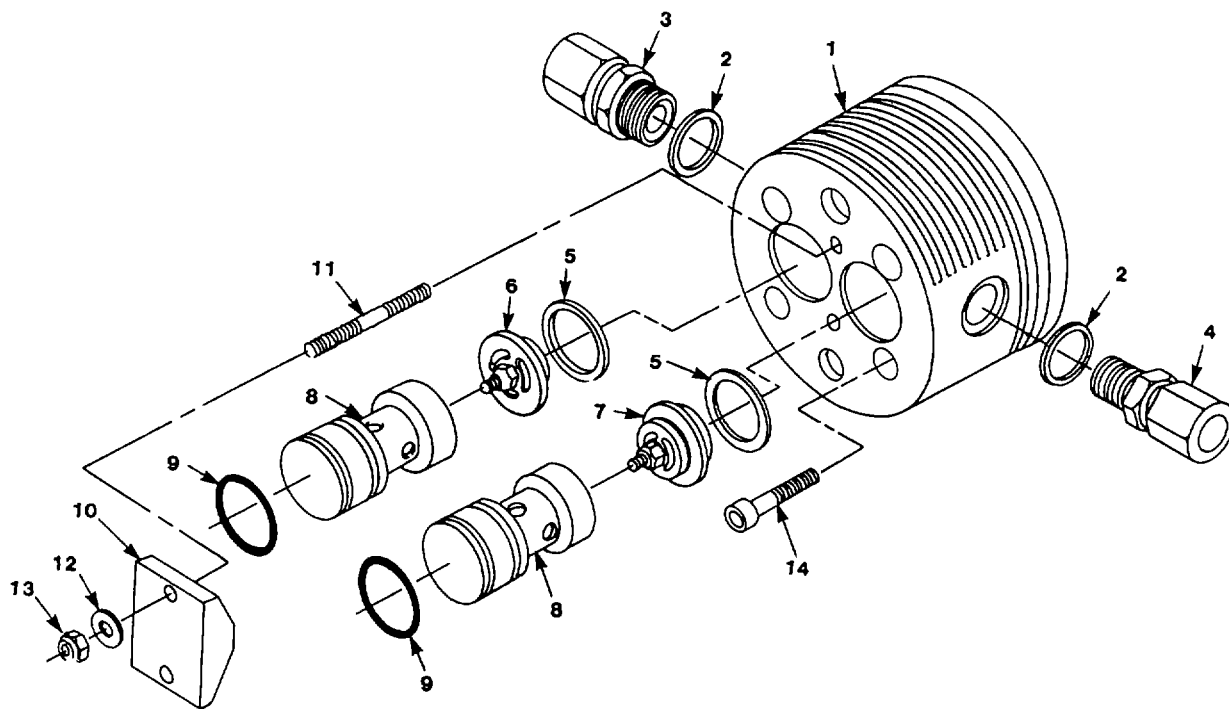


Figure 7. Valve Head Assembly, 3rd Stage

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
NO	CODE	CAGEC	NUMBER		
GROUP 01 COMPRESSOR					
FIG. 7 VALVE HEAD ASSEMBLY, 3RD STAGE					
	XDFFF	57328	061057-070	•VALVE HEAD ASSEMBLY.....	1
1	XDFZZ	57328	60583-070	••VALVE HD 3RD STAGE .....	1
2	XDHZZ	57328	N293	••GASKET .....	2
3	XDHZZ	57328	N4069	••MALE CONNECTOR .....	1
4	XDHZZ	57328	N1856	••MALE ELBOW.....	1
5	PAHZZ	57328	56668-090	••GASKET .....	2
6	PAHZZ	57328	N15273	••VALVE,SUCTION .....	1
7	PAHZZ	57328	N15274	••VALVE,DISCHARGE .....	1
8	XDHZZ	57328	56183-080	••VALVE CAP .....	2
9	PAHZZ	813,4	H83248-1-216	••PACKING,PRLFORMED .....	2
10	XDHZZ	57328	62924-080	••PRESS PAD .....	1
11	XDHZZ	57328	N4190	••STUD.....	2
12	XDHZZ	57328	N16	••WASHER .....	2
13	XDHZZ	57328	N3474	••NUT,HEX SELF-LK.....	1
14	XDHZZ	57328	N503	••ALLEN SCREW .....	6

END OF FIGURE

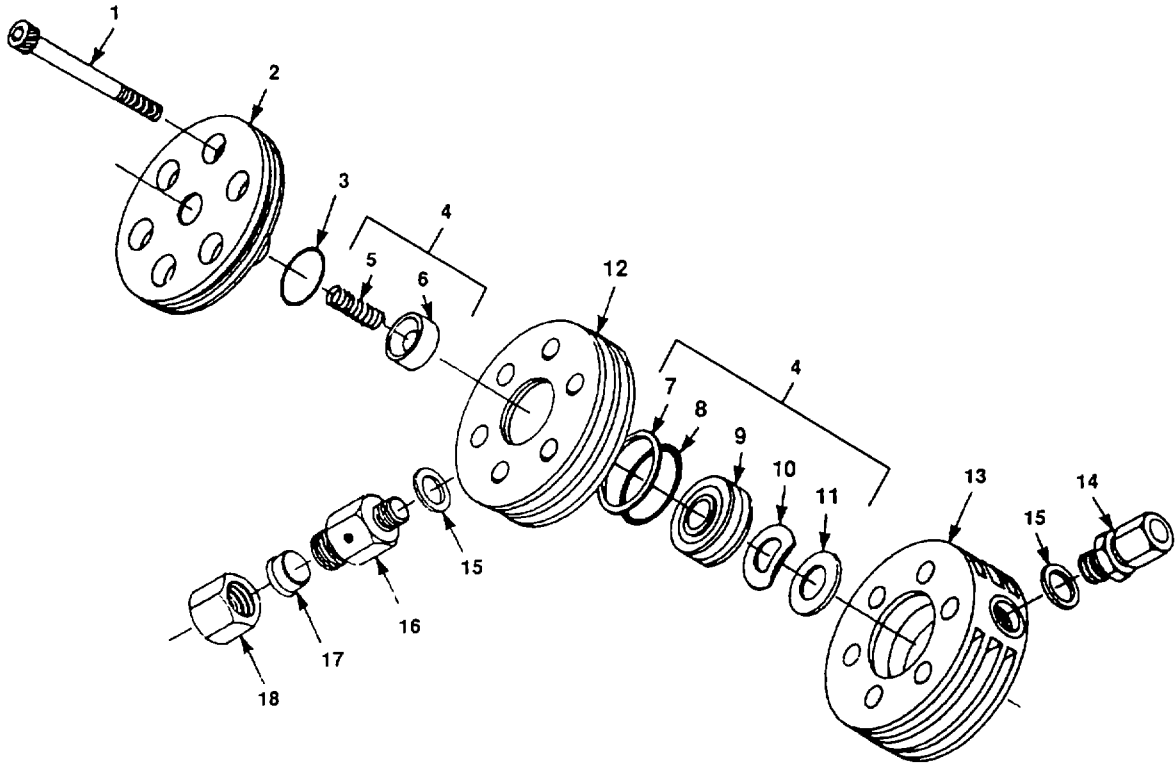


Figure 8. Valve Head Assembly, 4th Stage

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 01 COMPRESSOR					
FIG. 8. VALVE HEAD ASSEMBLY, 4TH STAGE					
	XDFZZ	57328	061058-070	..VALVE HEAD ASSEMBLY 4TH STAGE .....	1
1	XDHZZ	57328	N354	..ALLEN SCREW .....	6
2	XDFZZ	57328	60537-080	..STROKE LIMITER .....	1
3	PAFZZ	02697	2-121V709-90	..PACKING, PREFORMED.....	1
4	PAFH H	57328	064153-080	..DISK, VALVE.....	1
5	XDFZZ	57328	SPG-0018	..SPRING.....	1
6	XDFZZ	57328	PLT-0109	..VALVE PLATE .....	1
7	XDFZZ	57328	RNG-0077	..BACK-UP RING.....	1
8	XDFZZ	57328	RNG-0078	..PACKING, PREFORMED.....	1
9	XDFZZ	57328	SEL-0032	..VALVE SEAT .....	1
10	XDFZZ	57328	PLT-0110	..SPRING PLATE.....	1
11	XDFZZ	57328	PLT-0111	..VALVE PLATE .....	1
12	PAFZZ	57328	60534-070	..HEAD, VALVE .....	1
13	PAFZZ	57328	60530-070	..HEAD, VALVE .....	1
14	XDFZZ	57328	N15400	..MALE CONNECTOR .....	1
15	PAFZZ	D8286	A14X20DIN7603CU	..GASKET .....	2
16	PAFZZ	57328	57788-635	..BOLT, FLUID PASSAGE.....	1
17	PAFZZ	57328	N3609	..RING, PISTON .....	1
18	PAFZZ	57328	N3608	..NUT, COMPRESSION.....	1

END OF FIGURE



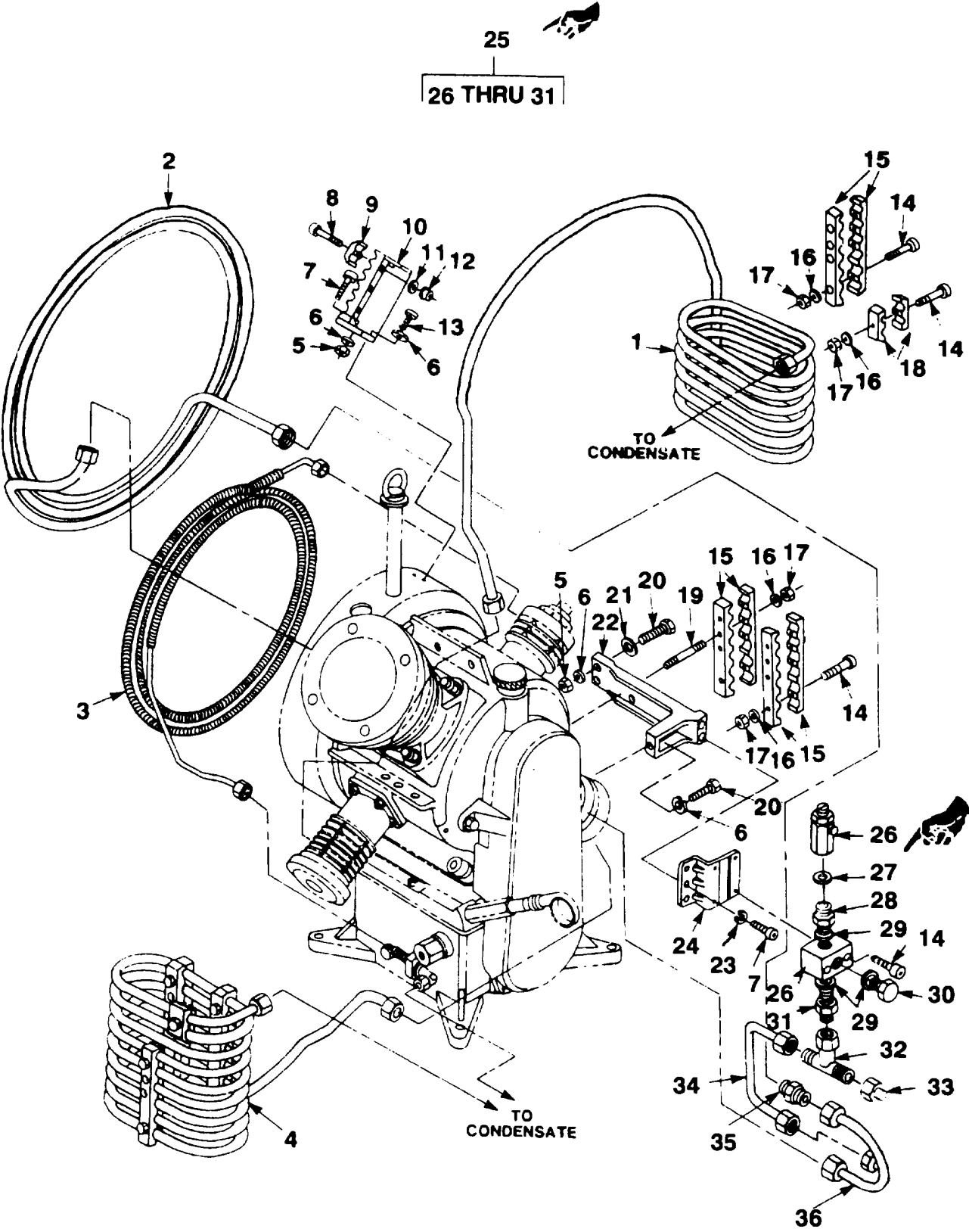


Figure 9. Cooling System

## SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
GROUP 01 COMPRESSOR						
FIG. 9. COOLING SYSTEM						
	XCFFF		57328	NPN	..COOLING SYSTEM.....	1
1	XDFFF		57328	064450-500	..INTERCOOLER 1ST STAGE .....	1
2	XDFZZ		57328	61062-500	..INTERCOOLER 2ND STAGE.....	1
3	XDFZZ		57328	55056-500	..INTERCOOLER 3RD STAGE.....	1
4	XDFFF		57328	064449-500	..AFTERCOOLER .....	1
5	XDFZZ		57328	N57	..HEX, NUT .....	4
6	XDFZZ		57328	N108	..SPRING WASHER .....	8
7	XDFZZ	5305121240440	D8286	M8X30DIN912-8-8	..SCREW, CAP, SOCKET HE .....	4
8	XDFZZ		57328	N15414	..COUNTERSUNK SCR .....	12
9	XDFZZ		57328	60694-500	..CLAMP .....	12
10	XDFZZ		57328	60695-872	..BRACKET.....	4
11	XDFZZ		D8286	A8-4DIN125ST	..WASHER, FLAT .....	12
12	XDFZZ		57328	N370	..HEX, NUT .....	12
13	XDFZZ		57328	N61	..ALLEN SCREW .....	4
14	XDFZZ		57328	N724	..ALLEN SCREW .....	18
15	XDFZZ		57328	60738-500	..CLAMP .....	12
16	XDFZZ		57328	N102	..WASHER.....	18
17	XDFZZ		57328	N1042	..HEX, NUT .....	18
18	XDFZZ		57328	N3252	..CLAMP VIBRATION.....	2
19	XDFZZ		57328	N3494	..STUD.....	12
20	XDFZZ		57328	N503	..ALLEN SCREW .....	4
21	XDFZZ		57328	N110	..WASHER.....	4
22	XDFZZ		57328	60751-872	..BRACKET.....	2
23	XDFZZ		57328	N2144	..SPRING WASHER.....	3
24	XDFZZ		57328	60716-872	..BRACKET.....	1
25	XDFFF		57328	60717-635	..MANIFOLD .....	1
26	XDFZZ		57328	010255-340	..SAFETY VLV .....	1
27	XDFZZ		57328	8263-090	..GASKET .....	1
28	XDFZZ		57328	N3591	..MALE CONNECTOR.....	1
29	XDFZZ		D8286	A14X20DIN7603CU	..GASKET .....	3
30	XDFZZ		57328	N3504	..HEX NUT.....	1
31	XDFZZ		57328	N15072	..MALE CONNECTOR.....	1
32	XDFZZ		57328	N3909	..MALE TEE .....	1
33	XDFZZ		57328	N15413	..PLUG.....	1
34	XDFZZ		57328	N3618	..CONNECTING TUBE.....	1
35	PAFZZ	4730013691949	57328	N7394	..UNION, TUBE .....	1
36	PAFZZ	4710013700260	57328	61063-500	..TUBE ASSEMBLY, METAL.....	1

END OF FIGURE

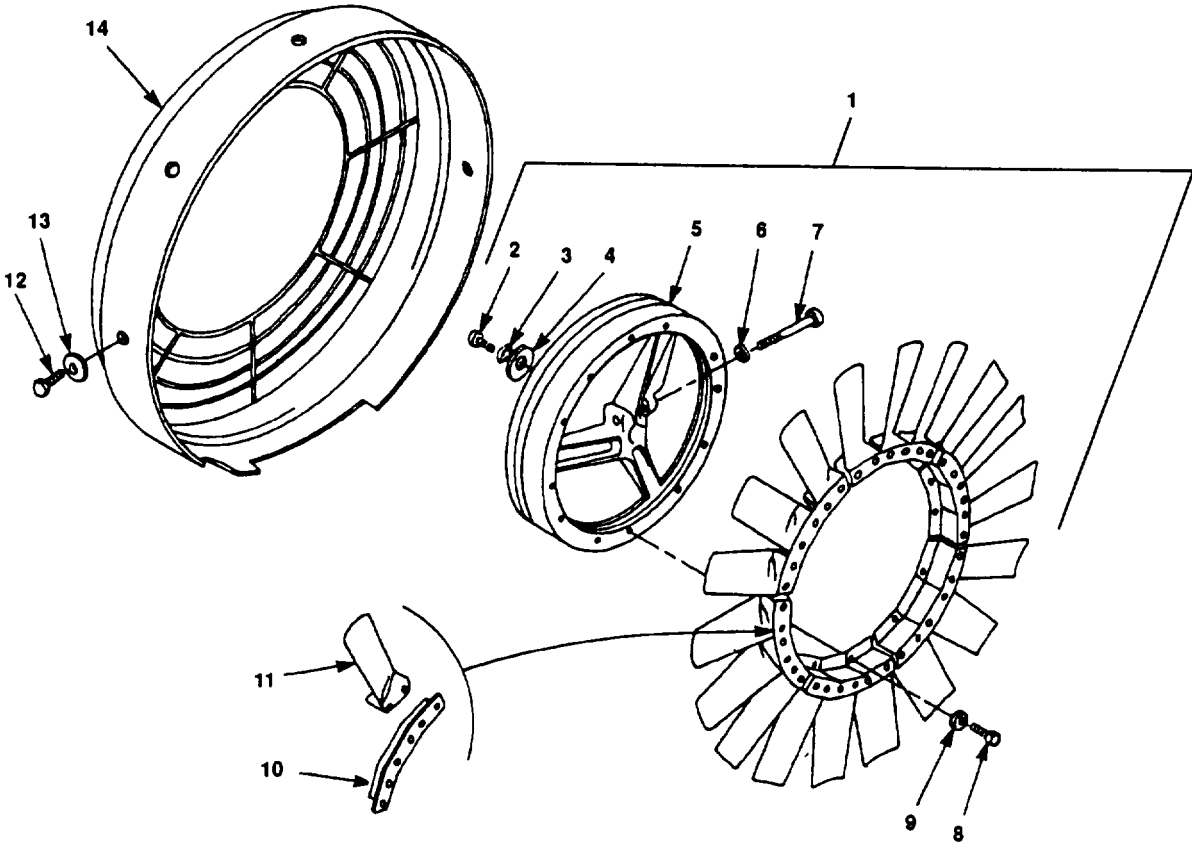


Figure 10. Flywheel, Fanwheel Assembly

SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 01 COMPRESSOR

FIG. 10 FLYWHEEL/FANWHEEL ASSEMBLY

1	XDFFF	57328	014882-100	•FLY/FAN ASSY .....	1
2	XDFZZ	57328	N198	••HEX, SCREW .....	1
3	XDFZZ	57328	N108	••SPRING WASHER .....	1
4	XDFZZ	57328	1492-310	••WASHER .....	1
5	XDFZZ	57328	14834-120	••V-BELT PULLEY .....	1
6	XDFZZ	57328	N176	••SPRING WASHER .....	1
7	XDFZZ	57328	N1310	••ALLEN SCREW .....	1
8	XDFZZ	57328	N53	••HEX SCREW .....	12
9	XDFZZ	57328	N100	••SPRING WASHER .....	12
10	XDFZZ	57328	55425-65b	••WING SUPPORT .....	6
11	XDFZZ	57328	55460-110	••FAN WING .....	18
12	XDFZZ	57328	N542	••HEX SCREW .....	6
13	XDFZZ	57328	N2460-655	••WASHER SUPPORT .....	6
14	XDFZZ	57328	060709-620	••FAN WHEEL GUARD .....	1

END OF FIGURE

10-1

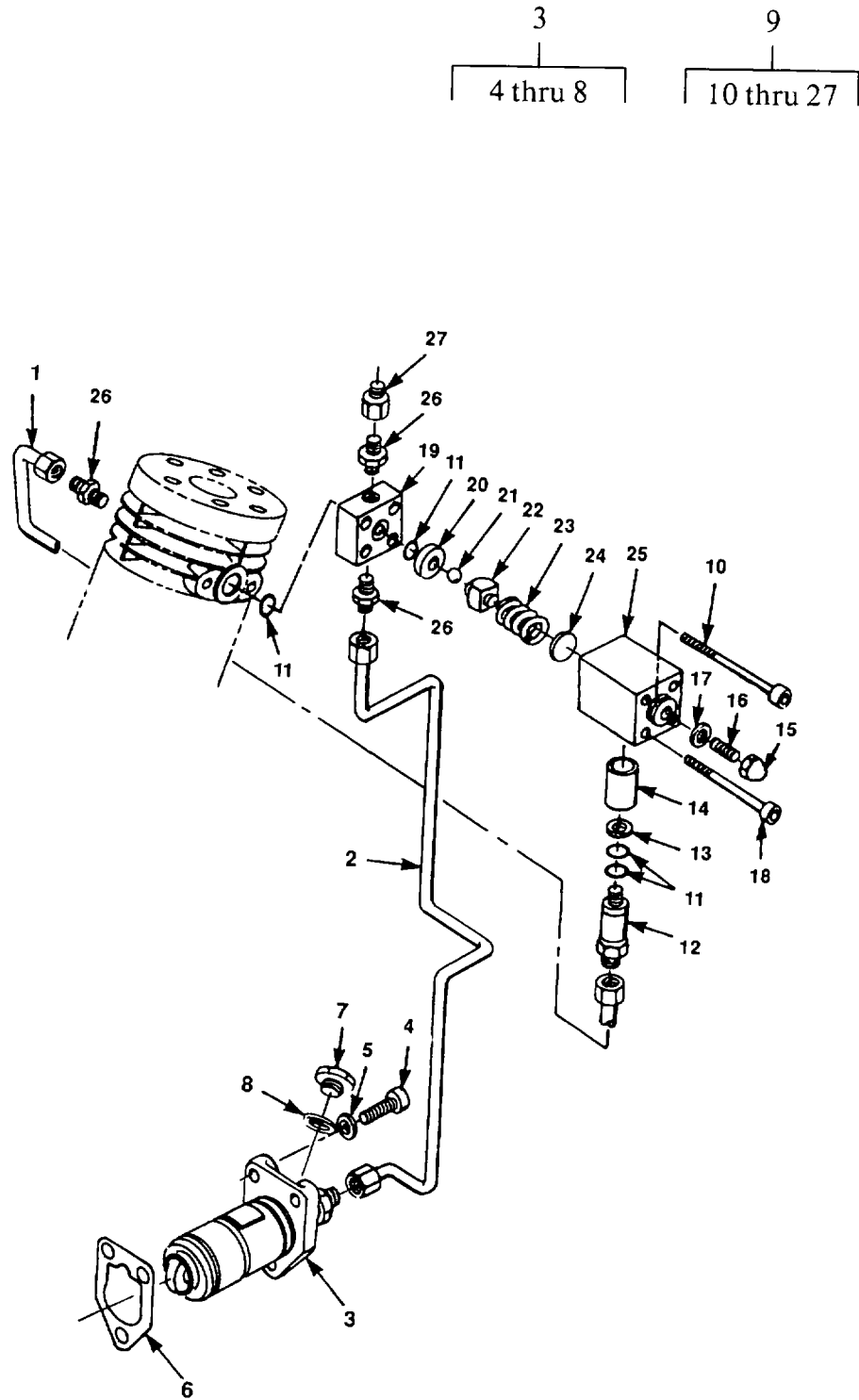


Figure 11. Oil Lubricating System

## SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 01 COMPRESSOR  
FIG. 11 OIL LUBRICATION SYSTEM

	XCFHH	57328	NPN	•LUBE OIL SYS .....	1
1	PAFZZ	57328	60149-650	••TUBE ASSEMBLY, METAL .....	1
2	XDHZZ	57328	60150-650	••OIL SUPPLY TUBE .....	1
3	PAHZZ	57328	N83	••OIL PUMP ASSEMBLY, E .....	1
4	XDHZZ	57328	N61	•••ALLEN SCREW .....	1
5	XDHZZ	D8286	A8-4DIN125ST	•••WASHER, FLAT .....	1
6	XDHZZ	57328	2010-90	•••GASKET .....	1
7	XDHZZ	57328	N111	•••HEX SCREW.....	1
8	XDHZZ	57328	N1059	•••GASKET .....	1
9	XDHHH	57328	058138-341	•••OIL PRES REGVLV .....	1
10	XDFZZ	57328	N3407	•••ALLEN SCREW .....	2
11	XDFZZ	57328	N7091	•••PACKING, PREFORMED .....	4
12	XDFZZ	57328	56301-635	•••RETAINER .....	1
13	XDFZZ	08286	A10OX15DIN7603AL	•••GASKET .....	1
14	XDFZZ	57328	56302-635	•••OIL GAUGE GLASS .....	1
15	XDFZZ	57328	N84	•••ACORN NUT .....	1
16	XDFZZ	57328	N2969	•••STUD .....	1
17	XDFZZ	D8286	DIN7603-C8X14-CU AS	•••GASKET .....	1
18	XDFZZ	57328	N781	•••ALLEN SCREW .....	2
19	XDFZZ	57328	57132-341	•••FLANGE .....	1
20	XDFZZ	57328	58119-341	•••VALVE SEAT .....	1
21	XDFZZ	57328	N2768	•••BALL, BEARING .....	1
22	XDFZZ	57328	2622-340	•••BALL GUIDE .....	1
23	XDFZZ	57328	2623-640	•••SPRING .....	1
24	XDFZZ	57328	58121-341	•••WASHER .....	1
25	XDFZZ	57328	58102-341	•••VALVE HOUSING .....	1
26	XDHZZ	57328	N4140	•••MALE CONNECTOR .....	3
27	XDFZZ	57328	N4530	•••PLUG .....	1

END OF FIGURE

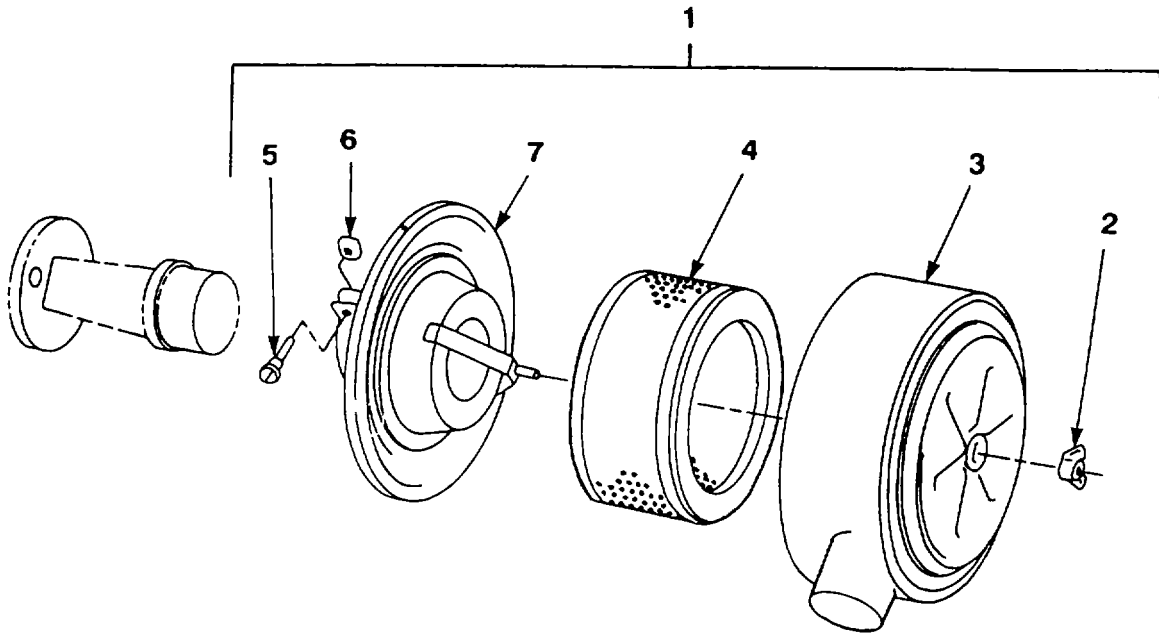


Figure 12. Intake Filter Assembly

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC).....	QTY
				GROUP 01 COMPRESSOR	
				FIG. 12. INTAKE FILTER ASSEMBLY	
1	XDFFF	57328	056372-400	INTAKE FILTER.....	1
2	XDFZZ	57328	N3030	WING NUT .....	1
3	XDFZZ	57328	N3028	FILTER HOUSING .....	1
4	PAFZZ	57328	111111-0-0-03029	FILTER ELEMENT, FLUI .....	1
5	XDFZZ	57328	N3033	HEX SCREW .....	1
6	XDFZZ	57328	N3032	SQUARE NUT .....	1
7	XDFZZ	57328	N3031	FILTER BOTTOM .....	1

END OF FIGURE



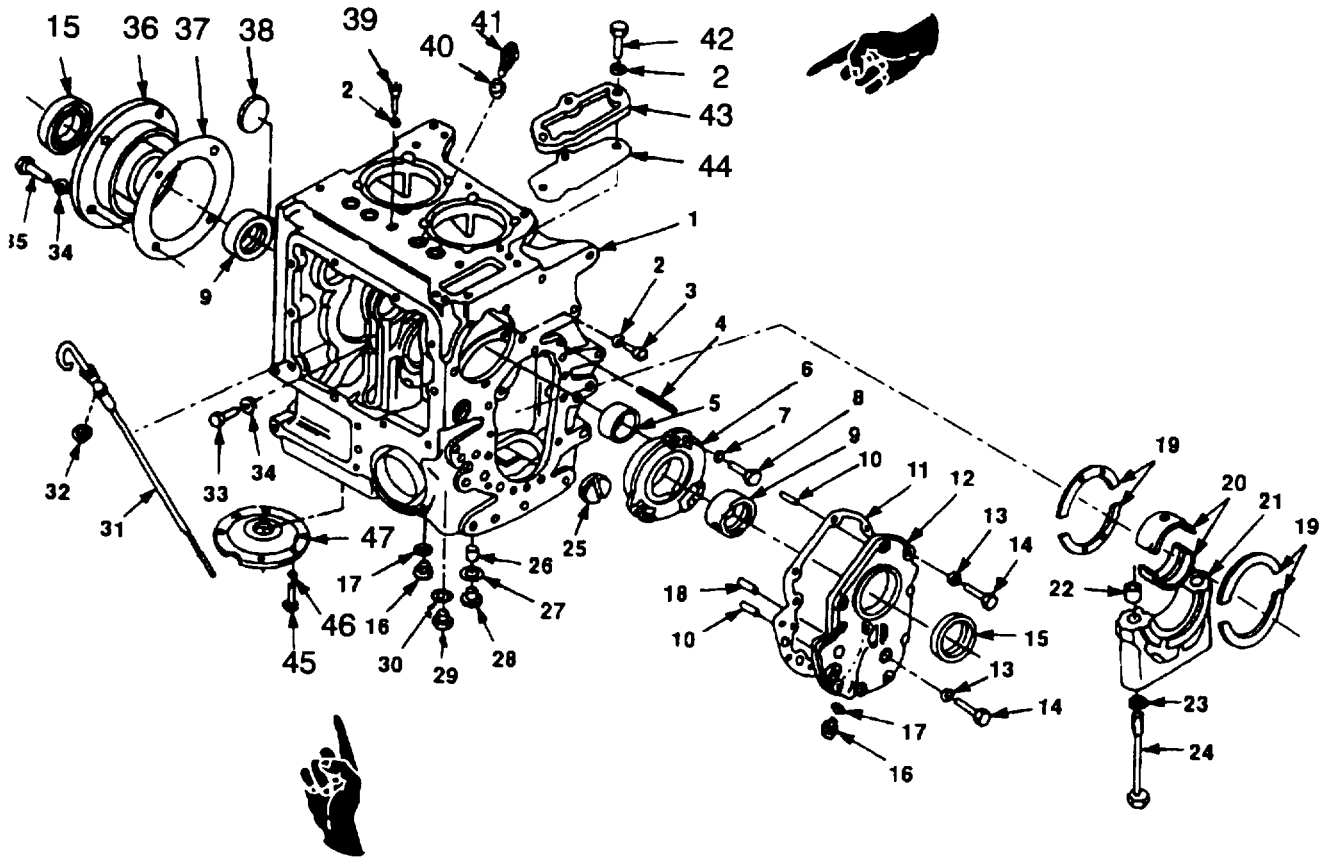


Figure 13. Crankcase

## SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
GROUP 02 ENGINE						
FIG. 13. CRANKCASE						
1	XDHHH		62445	0223-2864	CRANKCASE.....	1
2	XDHZZ		62445	0111-8647	SEALING, RING .....	9
3	XDHZZ		62445	0112-3698	HEX, SCREW .....	5
4	XDHZZ		62445	0111-5447	DOWEL PIN .....	1
5	PAHZZ		62445	0337-1410	BEARING, SLEEVE .....	1
6	XDHZZ		62445	0223-2692	BEARING HOUSING .....	1
7	XDHZZ		62445	0110-7101	WASHER.....	3
8	XDHZZ		62445	0111-2309	HEX BOLT.....	3
9	PAHZZ		62445	0337-1352	BEARING, SLEEVE .....	2
10	XDHZZ		62445	0111-5433	DOWEL PIN .....	2
11	XDHZZ		57328	PN 1008383	GASKET .....	1
12	XDHZZ		62445	0337-1413	COVER.....	1
13	XDHZZ		D8286	A8X14DIN7603-CU	GASKET .....	12
14	XDHZZ		62445	0111-2338	HEX BOLT.....	12
15	PAHZZ	5330013683623	62445	0116-3205	SEAL, PLAIN .....	2
16	XDHZZ		62445	0111-0422	SCREW PLUG.....	2
17	XDHZZ		76558	6.0492.01.0.1215	GASKET .....	2
18	XDHZZ		62445	0110-5107	PARALLEL PIN.....	1
19	XDHZZ		62445	2230170	RING .....	4
20	PAHZZ	3120011925794	62445	336-2379	BEARING, SLEEVE .....	1
21	PAHZZ		62445	0213-8192	CAP, PILLOW BLOCK .....	1
22	PAHZZ	5365013676670	62445	0336-2279	BUSHING, TAPERED .....	2
23	XDHZZ		62445	0121-6107	WASHER.....	2
24	XDHZZ		62445	0113-6990	HEX BOLT.....	2
25	XDHZZ		62445	0116-5797	SLOTTED PLUG.....	1
26	XDHZZ		62445	0337-1220	PLUG, PROPORT.....	1
27	XDHZZ		62445	0111-8688	SEALING RING .....	1
28	XDHZZ		62445	0111-0423	SCREW PLUG.....	1
29	XDHZZ		62445	0111-8997	SCREW PLUG.....	1
30	XDHZZ		D8286	A10X13-5DIN7603C	SEALING RING .....	1
31	XDHZZ		62445	0336-2502	DIPSTICK .....	1
32	PAHZZ	5330012043185	62445	0116-5975	O-RING .....	1
33	XDHZZ		62445	0116-5783	HEX BOLT.....	2
34	XDHZZ		62445	0110-7105	WASHER.....	4
35	XDHZZ		62445	0116-2412	HEX BOLT.....	4
36	XDHZZ		62445	0346-9975	BEARING HOUSING .....	1
37	PAHZZ	5330013680381	62445	0337-1379	GASKET .....	1
38	XDHZZ		62445	0121-6240	DISHED PLUG.....	1
39	XDHZZ		62445	0110-2193	CHEESE-HD SCREW.....	1
40	XDHZZ		62445	0111-9611	SPRING WASHER.....	1
41	XDHZZ		62445	0223-9584	NOZZLE .....	1
42	XDHZZ		62445	0111-2324	HEX BOLT.....	3
43	XDHZZ		62445	0337-1269	COVER.....	1
44	XDHZZ		62445	0100-7910	GASKET .....	1
45	XDHZZ		62445	0111-2322	BOLT, HEX.....	6

SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
46	XDHZZ		62445	0110-2799	..LOCKWASHER SPRG .....	6
47	XDHZZ		62445	0337-1274	..COVER .....	1

END OF FIGURE

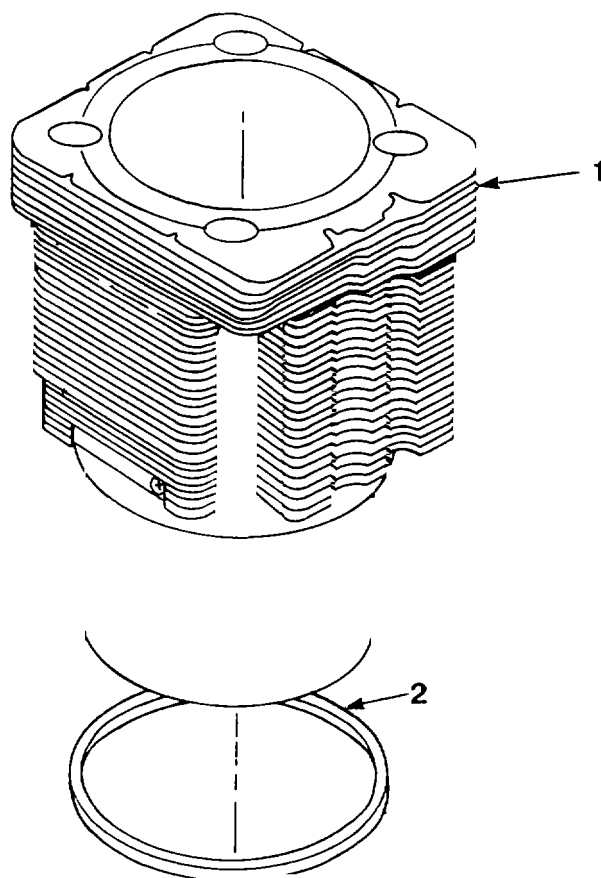


Figure 14. Cylinder

SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 02 ENGINE

FIG. 14 CYLINDER

1	XDFFF	62445	0223-1924	•CYLINDER.....	1
2	XDFZZ	62445	0213-7256	••SHIM SIZE 0.2MM .....	3
2	XDFZZ	62445	0223-2963	••SHIM SIZE 0.5MM .....	1
2	XDFZZ	62445	0415-0264	••SHIM SIZE 0.8MM.....	1
2	XDFZZ	62445	0223-9331	••SHIM SIZE 1.0MM .....	1

END OF FIGURE

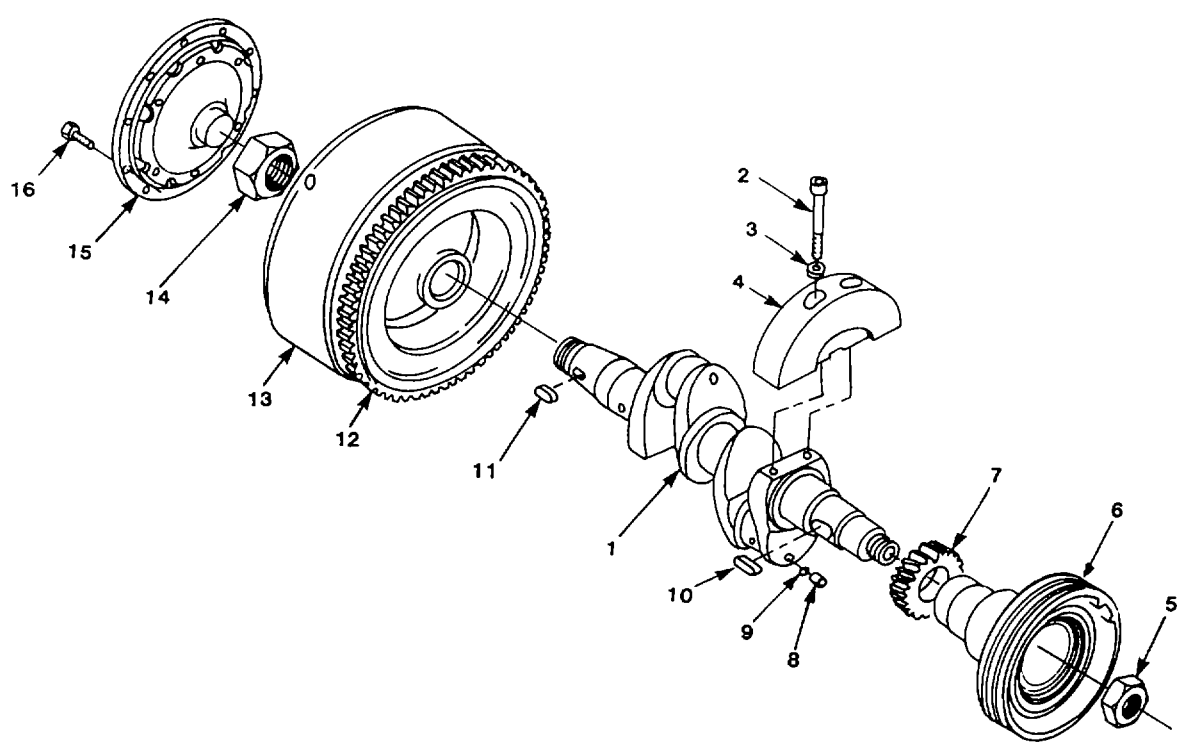
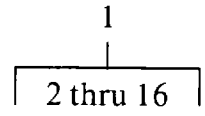


Figure 15. Crankshaft

## SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 02 ENGINE

FIG. 15 CRANKSHAFT

1	PBHHH	62445	0415-2591	•CRANKSHAFT, ENGINE .....	1
2	XDHZZ	62445	0113-7283	••CHEESE-HD SCREW .....	4
3	XDHZZ	62445	0121-6119	••WASHER .....	4
4	XDHZZ	62445	0223-2685	••COUNTERWEIGHT .....	2
5	XDHZZ	62445	0111-3217	••NUT, HEX .....	1
6	XDHZZ	62445	02013-6435	••V-BELT PULLEY .....	1
7	XDHZZ	62445	0347-4835	••GEAR .....	1
8	XDHZZ	62445	0117-0580	••PLUG .....	2
9	XDHZZ	62445	0116-7010	••WASHER .....	2
10	PBHZZ	62445	0111-8049	••KEY, MACHINE .....	1
11	PBHZZ	62445	0111-8045	••KEY, MACHINE .....	1
12	XDHZZ	62445	0213-1084	••RING GEAR .....	1
13	XDHZZ	62445	0216-0904	••FLYWHEEL .....	1
14	XDHZZ	62445	0121-6002	••NUT .....	1
15	XDHZZ	62445	0224-3850	••CARRIER, PLATE .....	1
16	XDHZZ	62445	0111-2311	••HEX BOLT .....	12

END OF FIGURE

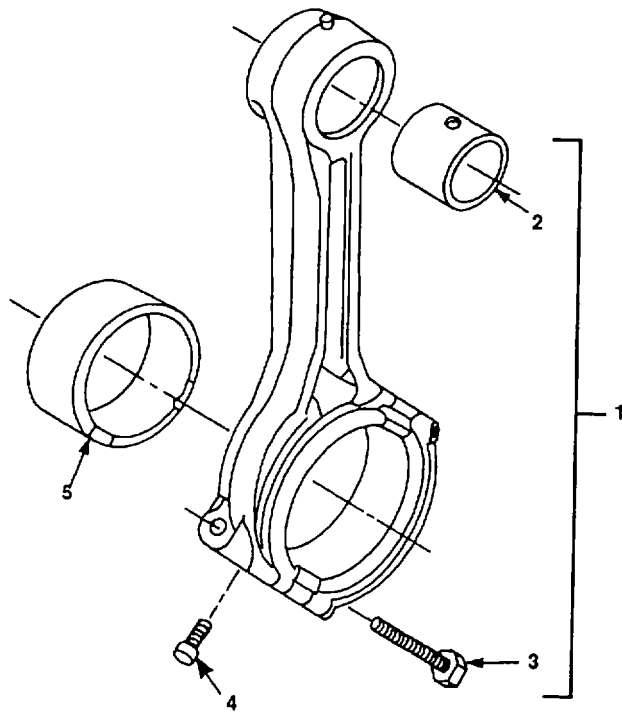


Figure 16. Connecting Rod



SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 02 ENGINE

FIG. 16 CONNECTING ROD

1	PBFHH	62445	0415-0450	•CONNECTING ROD, PIST .....	2
2	PAFZZ	62445	3371612	••BUSHING, SLEEVE .....	2
3	XDFZZ	62445	0223-5520	••HEX BOI.T .....	4
4	XDFZZ	62445	0337-1587	••LOCATING PIN .....	2
5	XDFZZ	62445	2137750	••BEARING, SLEEVE .....	2

END OF FIGURE

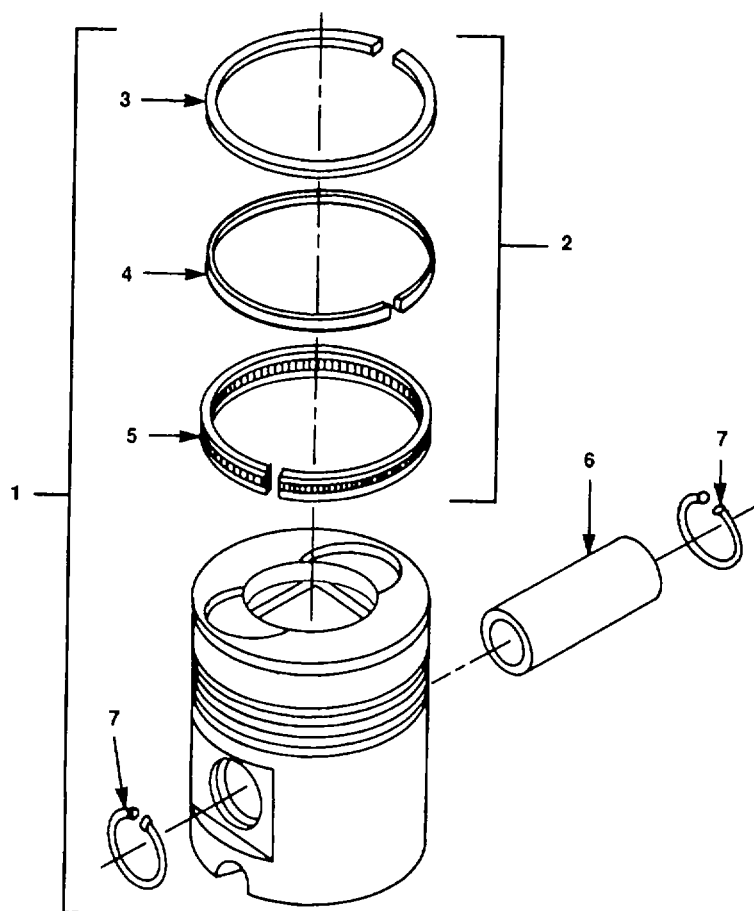


Figure 17. Piston

## SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 02 ENGINE

FIG. 17 PISTON

1	XDFFF	62445	0415-4891	•PISTON ASSEMBLY .....	2
2	PAFZZ	62445	415--4893	••RING SET, PISTON .....	2
3	XAFZZ	62445	0117-7826	•••TRAPEZOUIAL RNG .....	2
4	XDFZZ	62445	0117-6107	•••RING .....	2
5	XDFZZ	62445	0117-4336	•••RING .....	2
6	XDFZZ	62445	0337-1660	••PISTON PIN .....	2
7	XDFZZ	62445	0110-7821	••CIRCLIP .....	2

END OF FIGURE

17-1

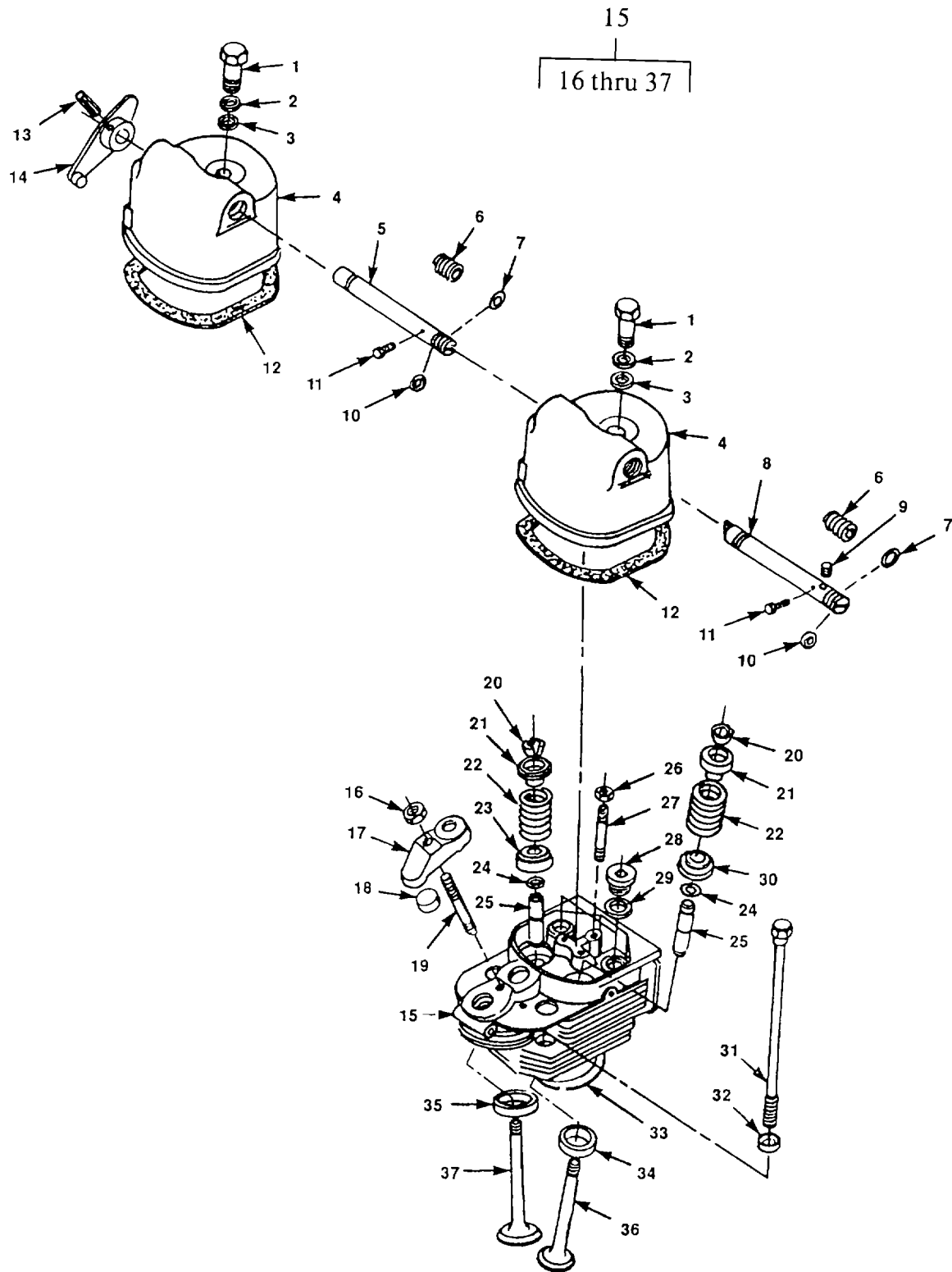


Figure 18. Cylinder Head Set

## SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 02 ENGINE

FIG. 18 CYLINDER HEAD SET

	XCOHH	62445	NPN	•CYLINDER HD SET .....	1
1	XDOZZ	62445	0111-2341	••HEX BOLT .....	2
2	XDOZZ	62445	0110-7101	••WASHER .....	2
3	XDOZZ	18876	13142983-1/23	••WASHER, SPRING TENSI .....	2
4	XDOZZ	62445	0223-4784	••COVER .....	2
5	XDFZZ	62445	0213-3271	••SHAFT .....	1
6	XDFZZ	62445	0213-3274	••YOKE, SPRING .....	2
7	XDFZZ	62445	0110-7721	••CIRCLIP .....	4
8	XDFZZ	57328	0213-3270	••SHAFT .....	1
9	XDFZZ	62445	0111-5416	••PIN, DOWEL .....	1
10	XDHZZ	62445	0116-5983	••O-SEAL .....	4
11	XDHZZ	62445	0111-5312	••GASKET .....	2
13	XDHZZ	62445	0111-5423	••DOWEL PIN .....	1
14	XDFZZ	62445	0213-3272	••LEVER ARM .....	1
15	XDFZZ	62445	0415-2627	••CYLINDER HEAD .....	2
16	XDFZZ	62445	0110-2659	••HEX NUT .....	2
17	XDFZZ	62445	0213-7591	••YOKE, RETAINER .....	2
18	XDFZZ	62445	0213-7580	••DISC .....	2
19	XDFZZ	62445	0111-0259	••STUD .....	2
20	XDFZZ	62445	0116-8817	••TAPER COLLET .....	4
21	XDFZZ	62445	0337-1748	••SPRING CAP .....	4
22	XDFZZ	62445	C3X6-9305	••COMPRESS SPRING .....	4
23	XDFZZ	62445	0213-1029	••VALVE ROTATOR .....	2
24	XDFZZ	62445	0121-5500	••SNAP RING.....	4
25	XDFZZ	62445	223-2528	••GUIDE, ENGINE POPPET .....	4
26	XDFZZ	62445	0111-2824	••HEX NUT.....	6
27	XDFZZ	62445	0112-4753	••STUD .....	6
28	XDFZZ	62445	0213-6596	••SCREW PLUG .....	4
29	XDFZZ	62445	1118760	••WASHER .....	4
30	XDFZZ	62445	0213-7096	••CAP SPRING .....	2
31	XDFZZ	62445	0210-1681	••WASTED BOLT .....	4
32	XDFZZ	62445	0337-1666	••WASHER .....	4
33	XDFZZ	36719	2230216	••RING, PISTON .....	2
34	XDFZZ	62445	213-7306	••INSERT, ENGINE VALVE .....	2
35	XDFZZ	36719	2137302	••INSERT, ENGINE VALVE .....	2
36	XDFZZ	62445	4153697	••VALVE, POPPET, ENGINE .....	2
37	XDFZZ	62445	4153631	••VALVE, POPPET, ENGINE .....	2

END OF FIGURE

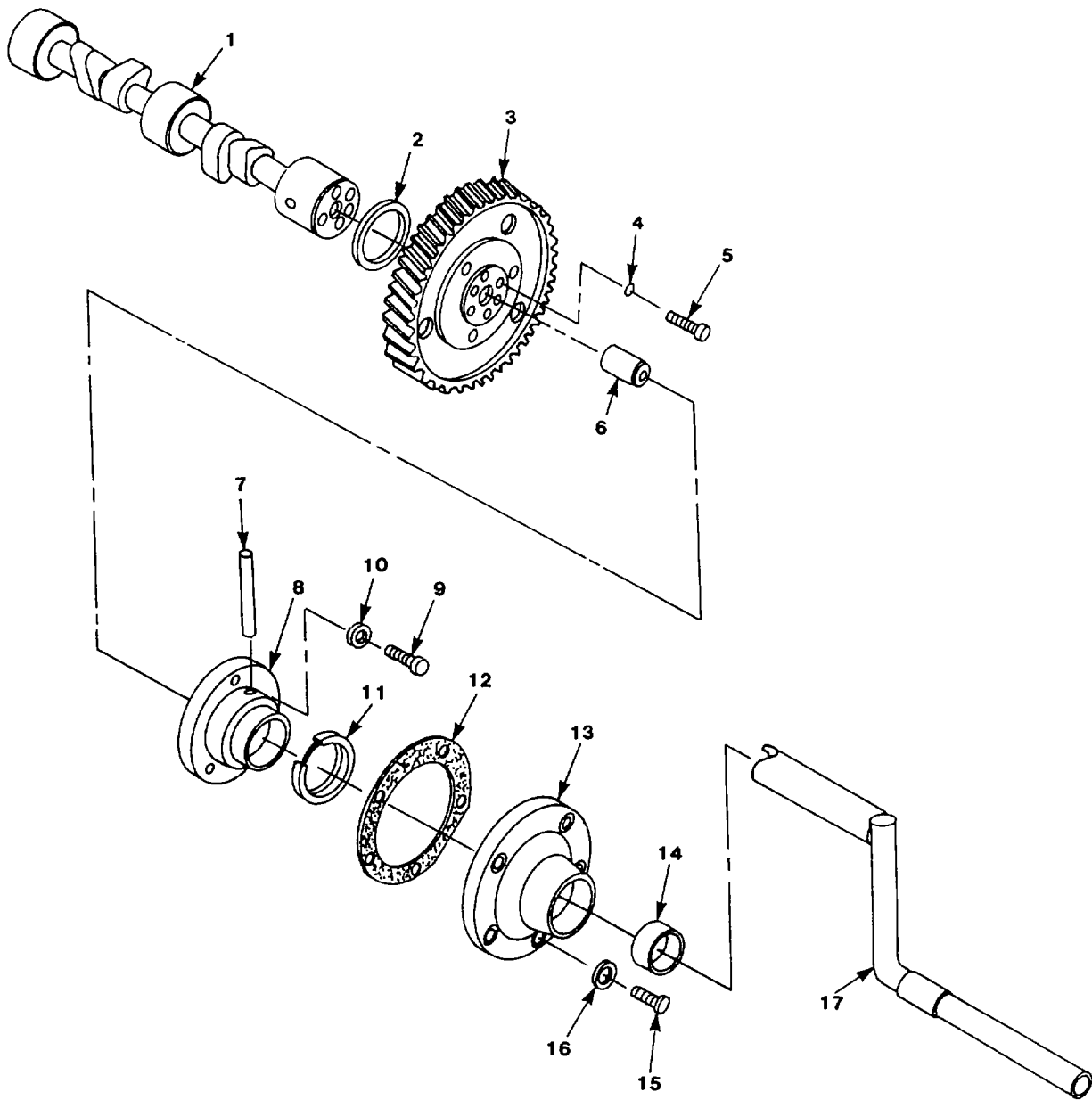


Figure 19. Camshaft and Handcranking Assembly

SECTION II				(5)	(6)
(1)	(2)	(3)	(4)		
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
NO	CODE	CAGEC	NUMBER		
GROUP 02 ENGINE					
FIG. 19. CAMSHAFT AND HAND CRANKING ASSEMBLY					
1	XDHZZ	62445	0223-2860	..CAMSHAFT.....	1
2	XDHZZ	62445	0337-1786	..WASHER.....	1
3	XDHZZ	62445	0223-1972	..GEAR.....	1
4	XDHZZ	62445	0110-7281	..SPRING WASHER.....	4
5	XDHZZ	62445	0111-0560	..SCREW, CHEESE HD.....	4
6	XDHZZ	62445	0337-1806	..PIN.....	1
7	XDHZZ	62445	0110-5191	..PARALLEL PIN.....	1
8	XDHZZ	7A013	0213-6431M	..CLUTCH, CRANKING.....	1
9	XDHZZ	62445	0111-0577	..SCREW CHEESE HD.....	3
10	XDHZZ	62445	0110-9610	..SPRG LOCKWASHER.....	3
11	XDHZZ	62445	0116-0681	..SHAFT SEAL.....	1
12	XDHZZ	62445	0337-1796	..GASKET.....	1
13	XDHZZ	62445	0213-3365	..BEARING CAP.....	1
14	XDHZZ	62445	0223-1454	..BUSHING.....	5
15	XDHZZ	62445	0111-2333	..HEX BOLT.....	1
16	XDHZZ	62445	0111-8647	..SEALING RING.....	5
17	XDHZZ	62445	0415-3190	..CRANK HANDLE.....	1

END OF FIGURE

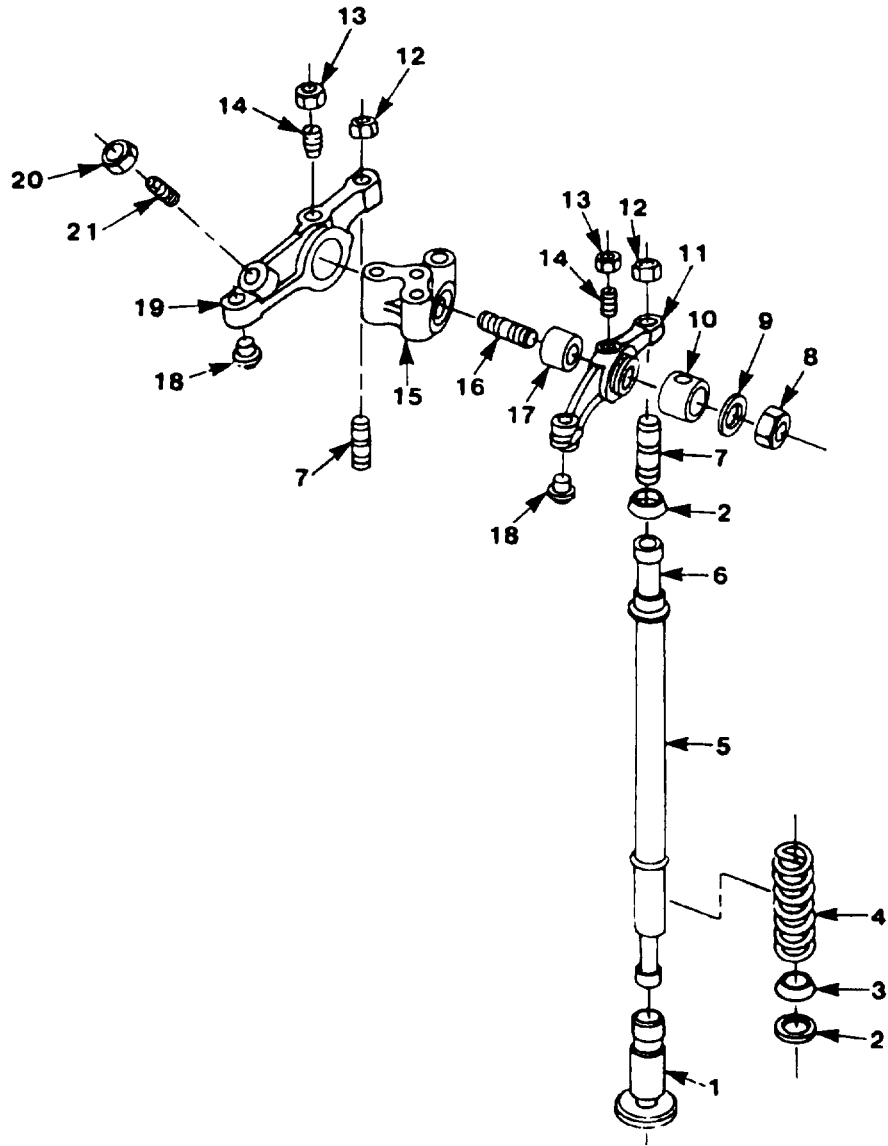


Figure 20. Timing Gears



## SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
GROUP 02 ENGINE						
FIG. 20. TIMING GEARS						
	XCOHH		62445	0150-11-5005867	..VALVE MECHANISM.....	2
1	XDHZZ	2815011929801	62445	3371885	..TAPPET, ENGINE POPPE.....	2
2	PAHZZ	5310011907468	62445	2232840	..WASHER, FLAT .....	4
3	XDHZZ		62445	0337-1887	..CAP.....	2
4	PAHZZ	5360011918019	62445	337-1876	..SPRING, HELICAL, COMP .....	2
5	XDHZZ		62445	0337-1888	..COVER TUBE.....	2
6	XDHZZ		62445	0213-3985	..PUSH ROD.....	2
7	XDOZZ		62445	0336-5861	..SCREW ADJUSTER.....	2
8	XDHZZ		62445	0110-2659	..HEX NUT.....	2
9	XDHZZ		62445	0121-6080	..WASHER.....	2
10	PAHZZ	3120011949981	62445	0223-7661	..BUSHING, SLEEVE.....	2
11	XDOZZ		62445	0233-6736	..ROCKER ARM.....	2
12	XDOZZ		62445	0111-3148	..HEX NUT.....	2
13	XDOZZ		62445	0111-2813	..HEX NUT.....	2
14	XDHZZ		62445	0337-1845	..OIL NOZZLE.....	1
15	XDHZZ		62445	0337-1867	..ROCKER BRACKET.....	1
16	XDHZZ		62445	0111-3476	..STUD.....	2
17	XDHZZ		62445	0223-7665	..ROCKER FULCRUM.....	2
18	XDHZZ		62445	0223-6578	..THRUST PAD.....	2
19	XDHZZ		62445	0213-9668	..ROCKER ARM.....	1
20	XDOZZ		62445	0111-2813	..HEX NUT.....	1
21	XDOZZ		62445	0213-3265	..GRUB SCREW.....	1

END OF FIGURE

1  
2 thru 4

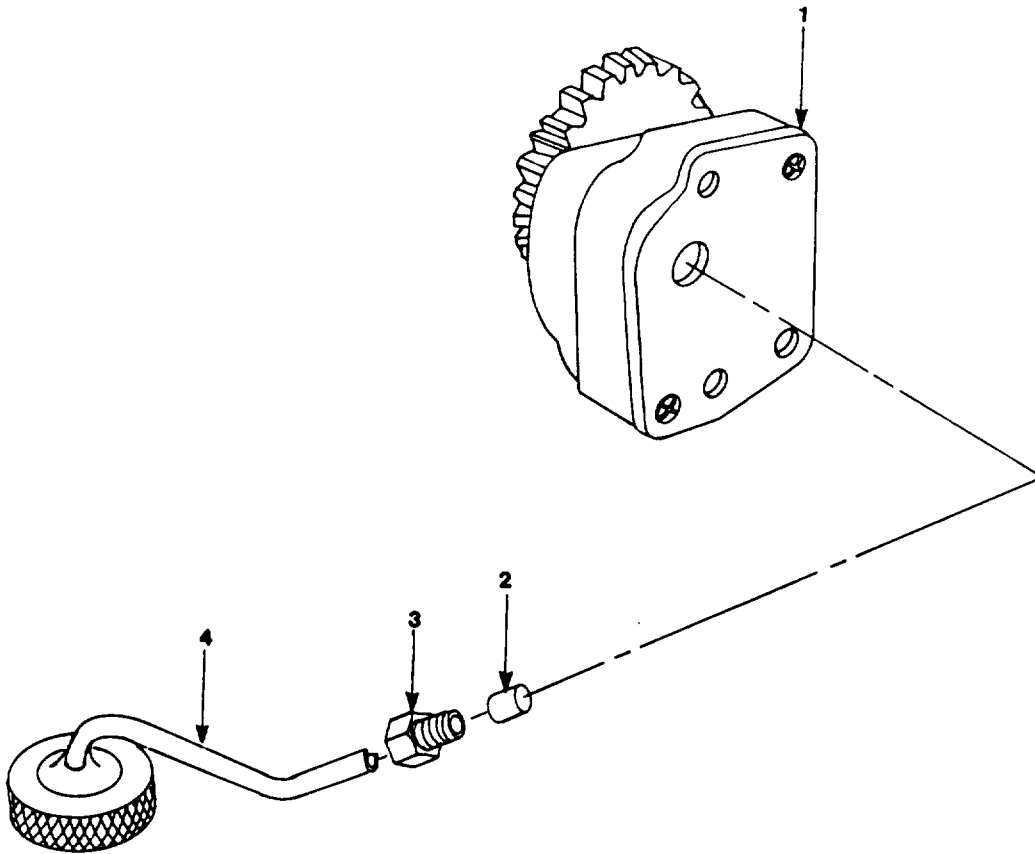


Figure 21. Lube Oil Pump

SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 02 ENGINE

FIG. 21 LUBE OIL PUMP

1	PBHZZ	62445	0347-0015	•OIL PUMP ASSEMBLY, E .....	1
2	XDHZZ	62445	0121-6510	••DUPLEX RING .....	1
3	XDHZZ	62445	0121-6498	••CAP SCREW .....	1
4	XDHZZ	62445	0347-0025	••SUCTION PIPE .....	1

END OF FIGURE

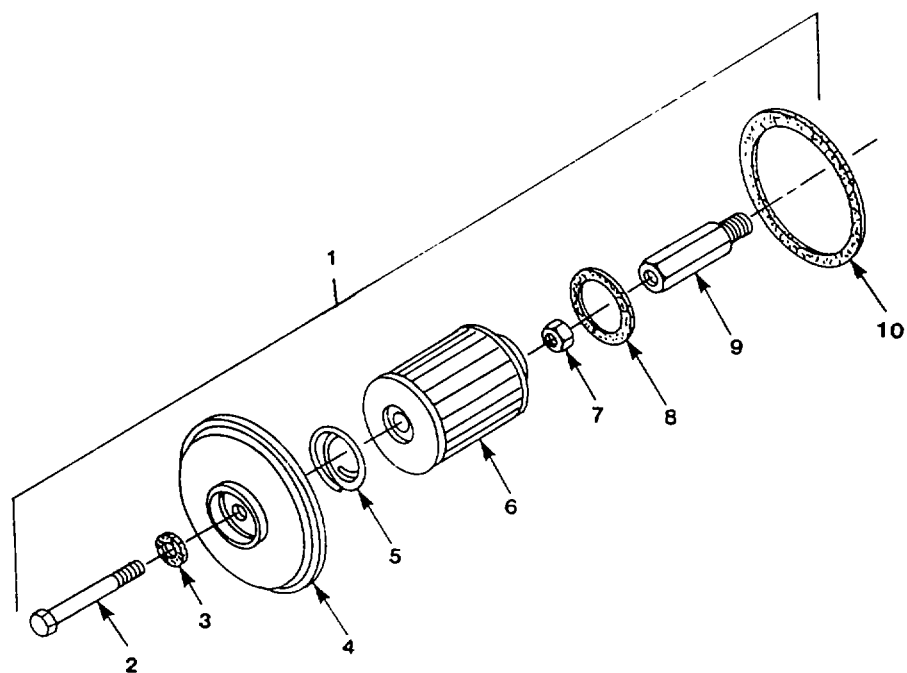


Figure 22. Lube Oil Filter

SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 02 ENGINE

FIG. 22 LUBE OIL FILTER

1	PAOOO	62445	0223-7987	•FILTER, FLUID .....	1
2	XDFZZ	62445	0112-3727	••HEX, BOLT .....	1
3	PAOZZ	62445	0111-8669	••SEALING RING .....	1
4	XDFZZ	62445	0223-7988	••COVER.....	1
5	PAOZZ	62445	0223-7989	••SPRING, FILTER .....	1
6	PAOZZ	62445	0223-7990	••STRAINER, ELEMENT, SE .....	1
7	XDFZZ	62445	0110-7602	••HEX NUT .....	1
8	XDFZZ	62445	0223-7991	••GASKET .....	1
9	XDFZZ	62445	0223-7992	••SCREW FITTING .....	1
10	PAFZZ	62445	0337-1914	••GASKET .....	1

END OF FIGURE

1  
2 thru 5

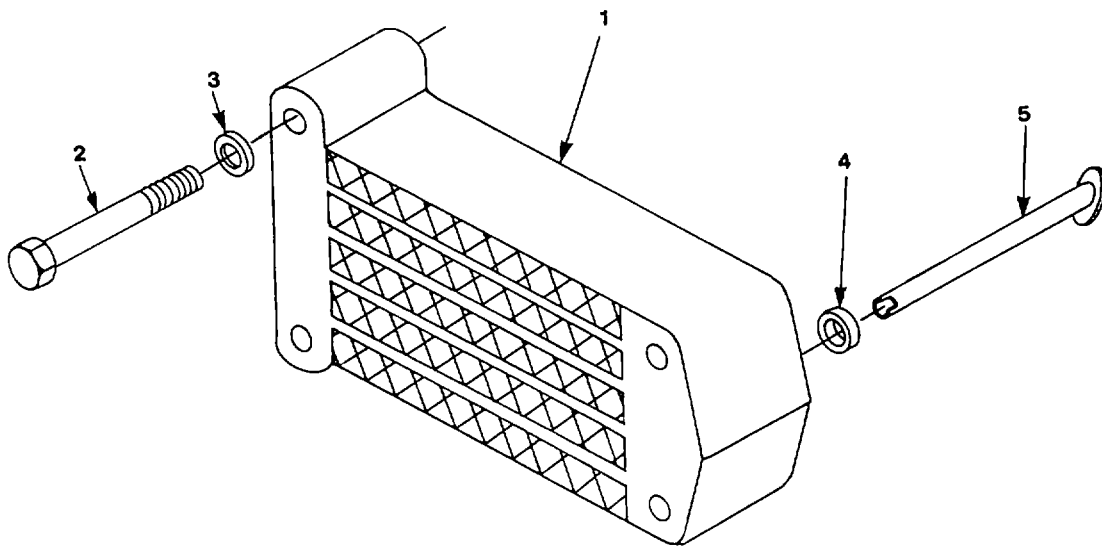


Figure 23. Lube Oil Cooler

SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 02 ENGINE

FIG. 23 LUBE OIL COOLER

1	PAOOO	62445	0347-0020	•COOLER, FLUID, TRANSM .....	1
2	XDFZZ	81495	071 308 36	••SCREW, CAP, HEXAGON H .....	4
3	XDFZZ	624C5	0110-7101	••WASHER .....	4
4	XDOZZ	62445	0116-6024	••O-SEAL .....	1
5	XDFZZ	62445	0347-0021	••PIPE .....	1

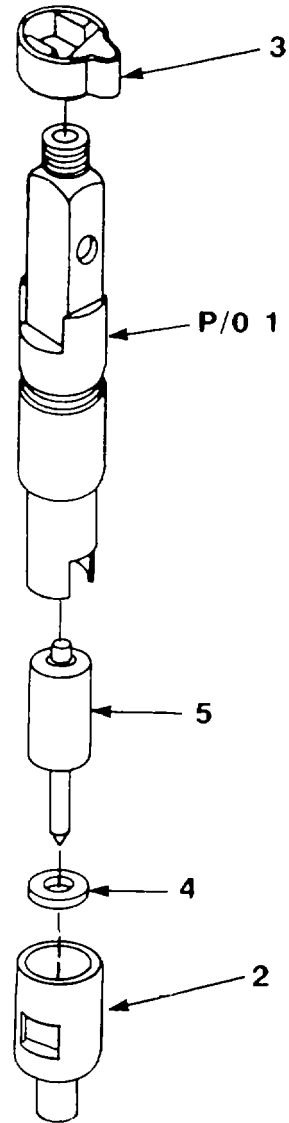
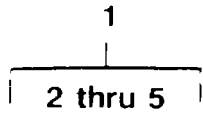


Figure 24. Fuel Injector



(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 02 ENGINE

FIG. 24 FUEL INJECTOR

1	PAFFF	62445	223-3085	•NOZZLE, FUEL INJECTI .....	1
2	XDFZZ	62445	0129 8480	••NUT, UNION .....	1
3	PAFZZ	62445	213-7568	••BUSHING, SLEEVE .....	1
4	PAFZZ	62445	0415-6099	••RING, RETAINING .....	1
5	XAFZZ	62445	0223-3086	••NOZZLE .....	1

END OF FIGURE

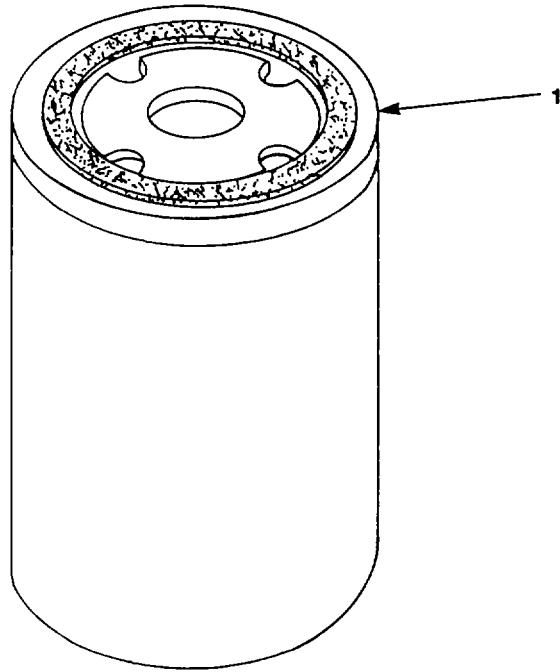


Figure 25. Filter Cartridge

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
NO	CODE	CAGEC	NUMBER		
				GROUP 02 ENGINE	
				FIG. 25. FILTER CARTRIDGE	
1	PAOZZ	12658 BF-790		•FILTER ELEMENT, FLUI .....	1
				END OF FIGURE	

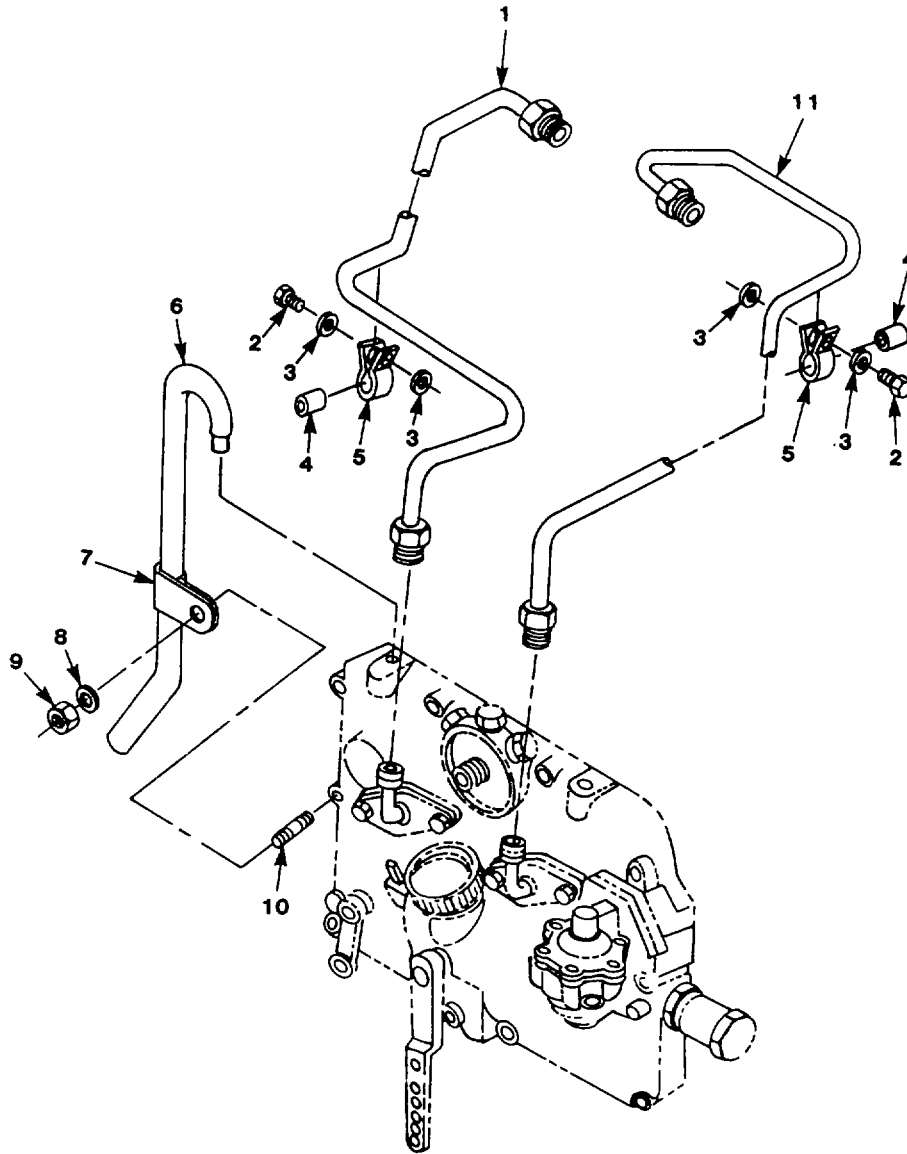


Figure 26. Injector Pipes

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 02 ENGINE					
FIG. 26 INJECTION PIPES					
	XCOOO	62445	0150-21-5014505	INJECTION PIPES .....	1
1	XCOZZ	62445	0415-4513	INJECTION PIPE .....	1
2	XDOZZ	62445	0111-2201	HEX BOLT .....	2
3	XDOZZ	62445	0212-6078	WASHER .....	4
4	XDOZZ	62445	0337-2269	RUBBER SLEEVE .....	4
5	XDOZZ	62445	0337-2441	PIPE CLIP .....	2
6	XDOZZ	62445	0347-0027	BREATHER LINE .....	1
7	XDOZZ	62445	0121-6736	PIPE CLIP .....	1
8	XDOZZ	62445	0110-2796	WASHER .....	1
9	XDOZZ	62445	0111-2803	.HEX, NUT .....	1
10	XDOZZ	62445	0111-2202	STUD .....	1
11	XDOZZ	62445	0415-4513	INJECTION PIPE .....	1

END OF FIGURE

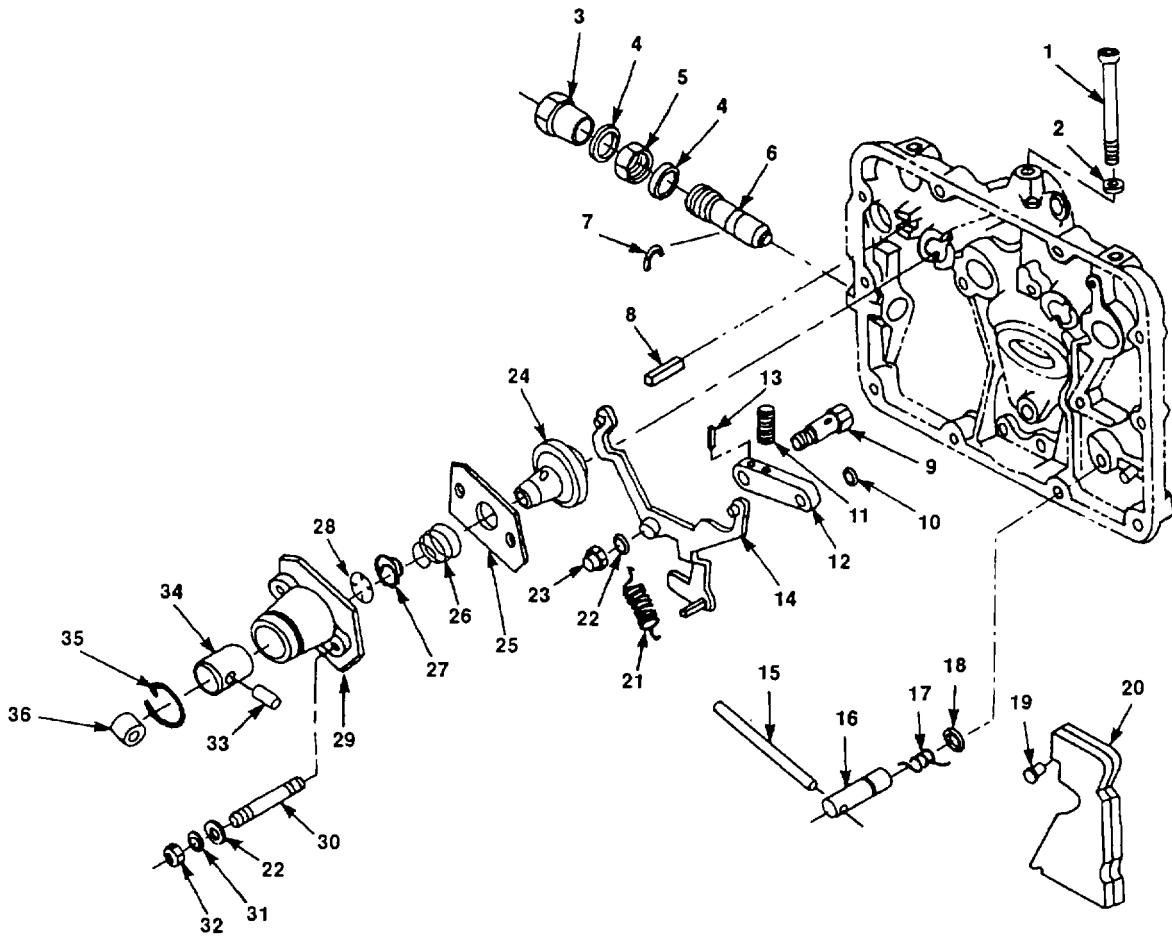


Figure 27. Fuel Injection Pump (Sheet 1 of 3)

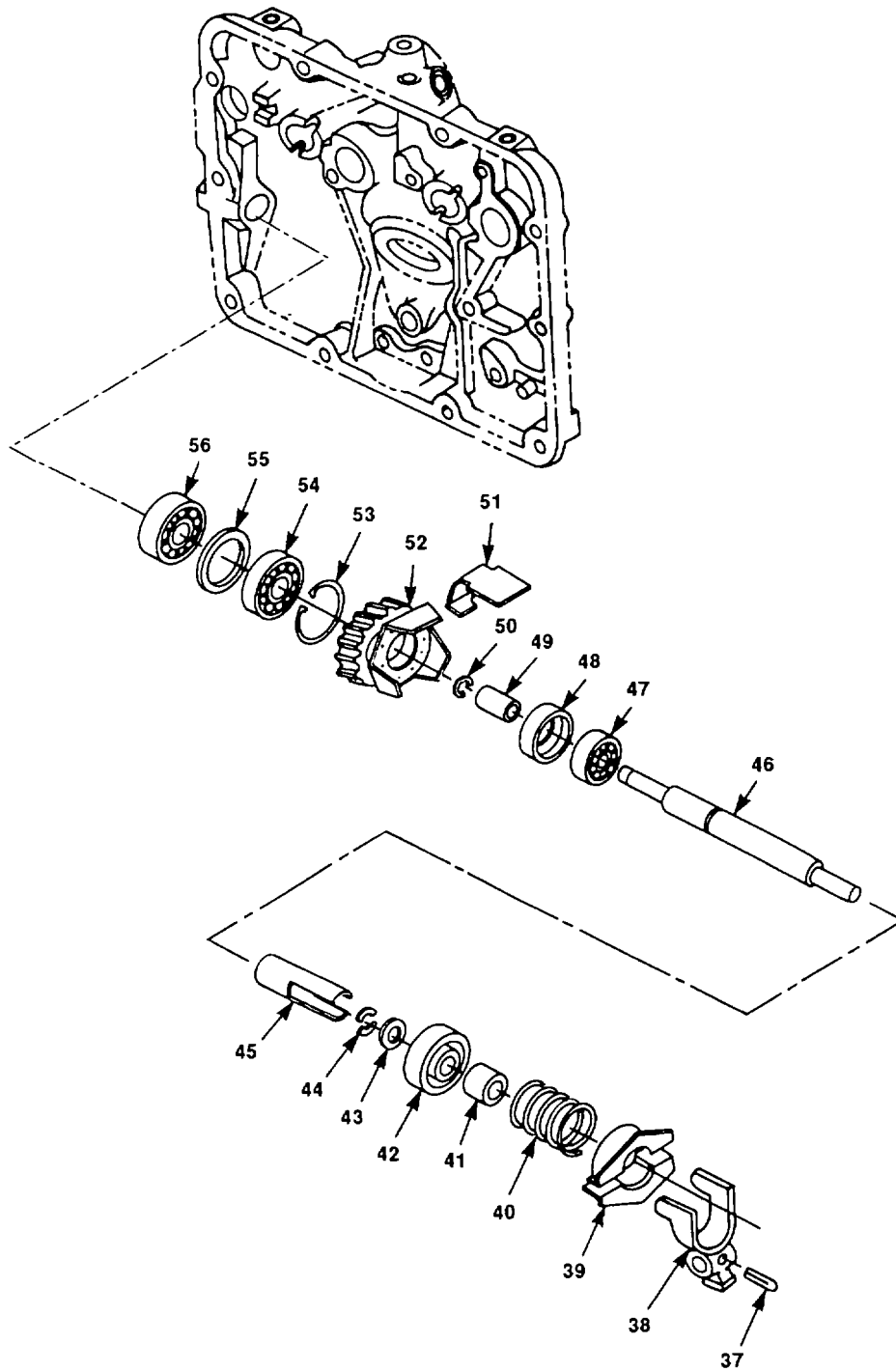


Figure 27. Fuel Injection Pump (Sheet 2 of 3)

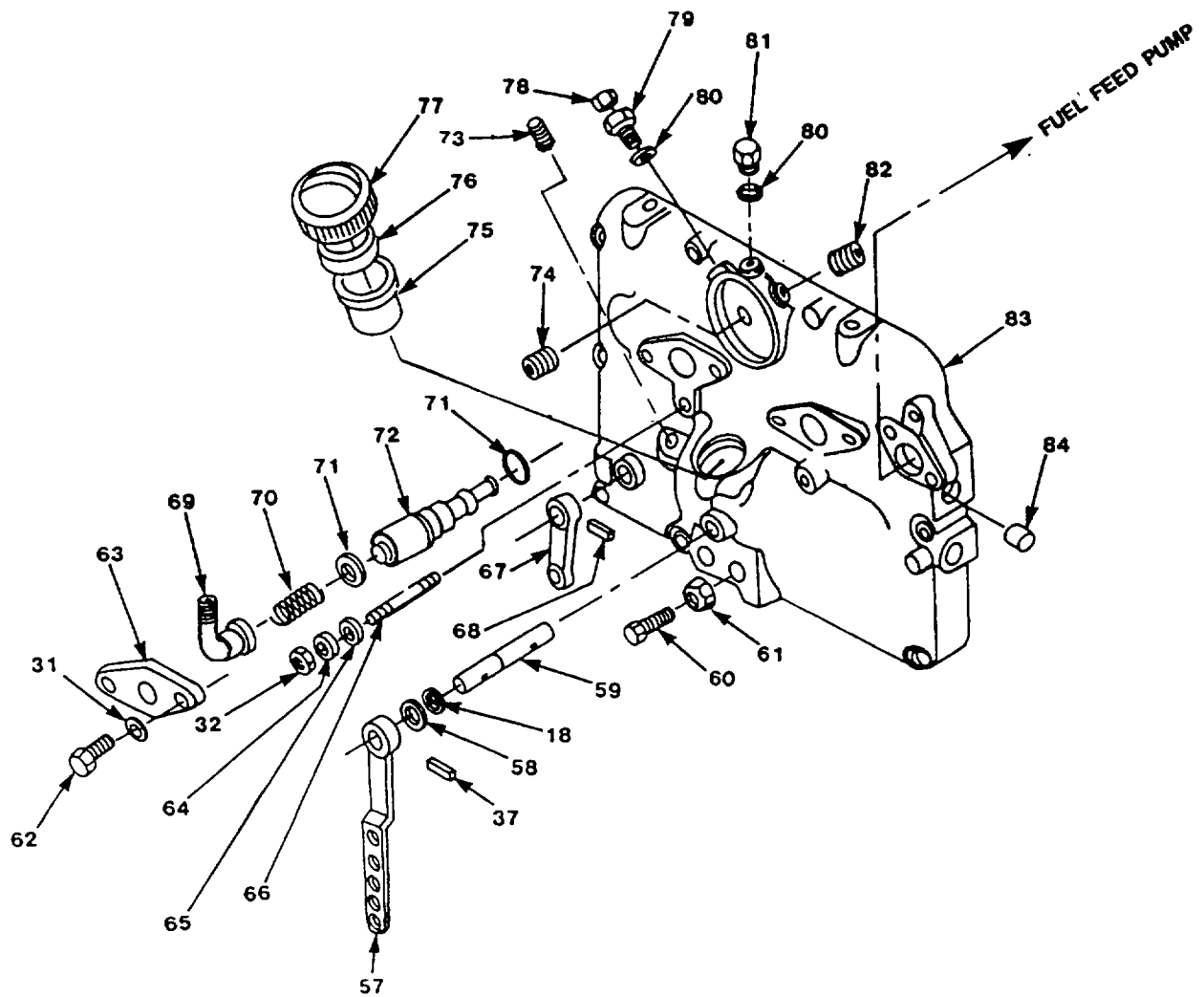


Figure 27. Fuel Injection Pump (Sheet 3 of 3)



(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
SECTION II					
GROUP 02 ENGINE					
FIG. 27 FUEL INJECTION PUMP					
	XDFHH	62445	0213-9710	•INJECTION PUMP .....	1
1	XDHZZ	62445	0111-0546	••CHEESE HD SCREW .....	1
2	XDHZZ	62445	0111-8641	••SEALING RING .....	1
3	XDHZZ	62445	0337-9683	••CAP NUT .....	1
4	XDHZZ	62445	111 8737	••RING, SEALING .....	2
5	XDHZZ	62445	0111-3196	••HEX NUT .....	1
6	XDHZZ	62445	0219-4403	••SPIGOT .....	1
7	XDHZZ	62445	0121-6065	••RING .....	1
8	XDHZZ	62445	0116-1260	••BUSHING, CLAMP .....	4
9	XDHZZ	62445	0116-5748	••FITTED BOLT .....	1
10	XDHZZ	62445	0117-3438	••PACKING, PREFORMED .....	1
11	XDHZZ	62445	0219-4175	••SPRING, COMPRESS .....	1
12	XDHZZ	62445	0219-4165	••LEVER .....	1
13	XDHZZ	62445	0111-5418	••DOWEL PIN .....	1
14	XDHZZ	62445	0219-4171	••CONTROL LEVEL .....	1
15	XDHZZ	62445	0110-1975	••NOTCHED PIN .....	1
16	XDHZZ	62445	0219-4147	••SHUTDOWN SHAFT .....	1
17	XDHZZ	62445	0347-0826	••YOKE SPRING .....	1
18	XDHZZ	62445	0116-5987	••O-SEAL .....	2
19	XDHZZ	62445	0111-5334	••NOTCHED NAIL 2 .....	2
20	XDHZZ	62445	0219-4172	••COVER PLATE .....	1
21	XDHZZ	62445	0218-7981	••DRAW SPRING .....	1
22	XDHZZ	62445	0110-7101	••WASHER.....	5
23	XDHZZ	62445	0116-7153	••HEX NUT .....	1
24	XDHZZ	62445	0347-0780	••PISTON GUIDE.....	2
25	XDHZZ	62445	0219-4164	••SUPPORT PLATE .....	2
26	XDHZZ	62445	0347-0797	••TAPER SPRING .....	2
27	XDHZZ	62445	0347-0777	••SPRING CAP .....	2
28	XDHZZ	62445	0219-6079	••SHIM .....	1
28	XDHZZ	62445	0347-0793	••SHIM SIZE .2MM .....	1
28	XDHZZ	62445	0347-0794	••SHIM SIZE .3MM .....	1
28	XDHZZ	62445	0347-0795	••SHIM SIZE .4MM .....	1
29	XDHZZ	62445	0219-4167	••TAPPET GUIDE .....	2
30	XDHZZ	62445	0111-3412	••STUD.....	4
31	XDHZZ	62445	0111-2799	••SPRG, LOCKWASHER .....	8
32	XDHZZ	62445	0111-2824	••HEX NUT .....	5
33	XDHZZ	62445	0331-3152	••PIVOT PIN.....	2
34	XDHZZ	62445	0219-4166	••BUSHING ROLLER .....	2
35	XDHZZ	62445	0219-6132	••LOCKING SPRING .....	2
36	XDHZZ	62445	0213-7644	••ROLLER .....	2
37	XDHZZ	62445	0111-5454	••DOWEL PIN .....	2
38	XDHZZ	62445	0223-1442	••FORKED LEVER .....	1
39	XDHZZ	62445	0347-0829	••SPRING CAP .....	1
40	XDHZZ	62445	0213-9579	••SPRING.....	1
41	XDFZZ	62445	0347-0789	••SLEEVE .....	1
42	XDHZZ	62445	0219-6120	••SPRING CAP .....	1
43	XDHZZ	62445	0219-q4i46	••.WASHER .....	1
44	XDHZZ	62445	0110-7719	••CIRCLIP .....	1

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
45	XDHZZ	62445	0347-0786	••GUIDE .....	1
46	XDHZZ	62445	0219-4393	••STUD.....	1
47	PAHZZ	15526	DIN625 6300	••BEARING, BALL, ANNULA.....	1
48	XDHZZ	62445	0219-4427	••PLATE .....	1
49	XDHZZ	62445	0219-4426	••BUSHING .....	1
50	XDHZZ	62445	0121-1010	••RING .....	1
51	XDHZZ	62445	0347-0784	••FLYWEIGHT .....	3
52	XDHZZ	62445	0219-4169	••GEAR .....	1
53	XDHZZ	62445	0347-0804	••CIRCLIP .....	1
54	PAHZZ	62445	0110-1697	••BEARING, BALL, ANNULA .....	1
55	XDHZZ	62445	0219-4396	••WASHER.....	1
56	PAHZZ	15526	DIN625-6004	••BEARING, BALL, ANNULA.....	1
57	XDHZZ	62445	0224-7444	••LEVER ASSEMBLY .....	1
58	XDHZZ	62445	0347-0815	••WASHER.....	2
59	XDHZZ	62445	0347-0812	••SHAFT.....	1
60	XDHZZ	62445	0219-4163	••HEX BOLT .....	7
61	XDHZZ	62445	0117-2481	••NUT .....	7
62	XDHZZ	62445	0111-2349	••HEX BOLT .....	4
63	XDHZZ	62445	0213-7422	••FLANGE .....	2
64	XDHZZ	62445	0219-4388	••DOMED WASHER .....	1
65	XDHZZ	62445	0219-4387	••BALL SOCKET .....	1
66	XDHZZ	62445	0111-3409	••STUD.....	1
67	XDHZZ	62445	0219-4123	••SHUTDOWN LEVER .....	1
68	XDHZZ	62445	0111-5434	••DOWEL PIN .....	1
69	XDHZZ	62445	0213-7421	••ANGLE PIECE.....	2
70	XDHZZ	62445	0347-0779	••SPRING, COMPRESS.....	2
71	XDHZZ	62445	0331-3294	••SEALING RING .....	4
72	XDHZZ	62445	0219-4247	••PUMP ELEMENT.....	2
73	XDHZZ	62445	0116-7269	••BUSHING .....	1
74	XDHZZ	62445	0337-9751	••NIPPLE .....	1
75	XDHZZ	62445	0337-2069	••BASE.....	1
76	XDHZZ	62445	123-6290	••SPACER, RING .....	1
77	XDHZZ	62445	0123-6291	••COVER.....	1
78	XDHZZ	62445	0111-8647	••SEALING RING .....	2
79	XDHZZ	62445	0219-4336	••SCREW, THROTTLE .....	1
80	XDHZZ	62445	0111-8688	••SEALING RING .....	2
81	XDHZZ	62445	0121-2538	••SCREW PLUG .....	1
82	XDHZZ	62445	0110-2140	••SCREW PLUG .....	1
83	XDHZZ	62445	0213-6014	••PUMP COVER .....	1
84	XDHZZ	62445	0116-5822	••PLUG.....	1

END OF FIGURE

4  
|  
5 thru 9 |

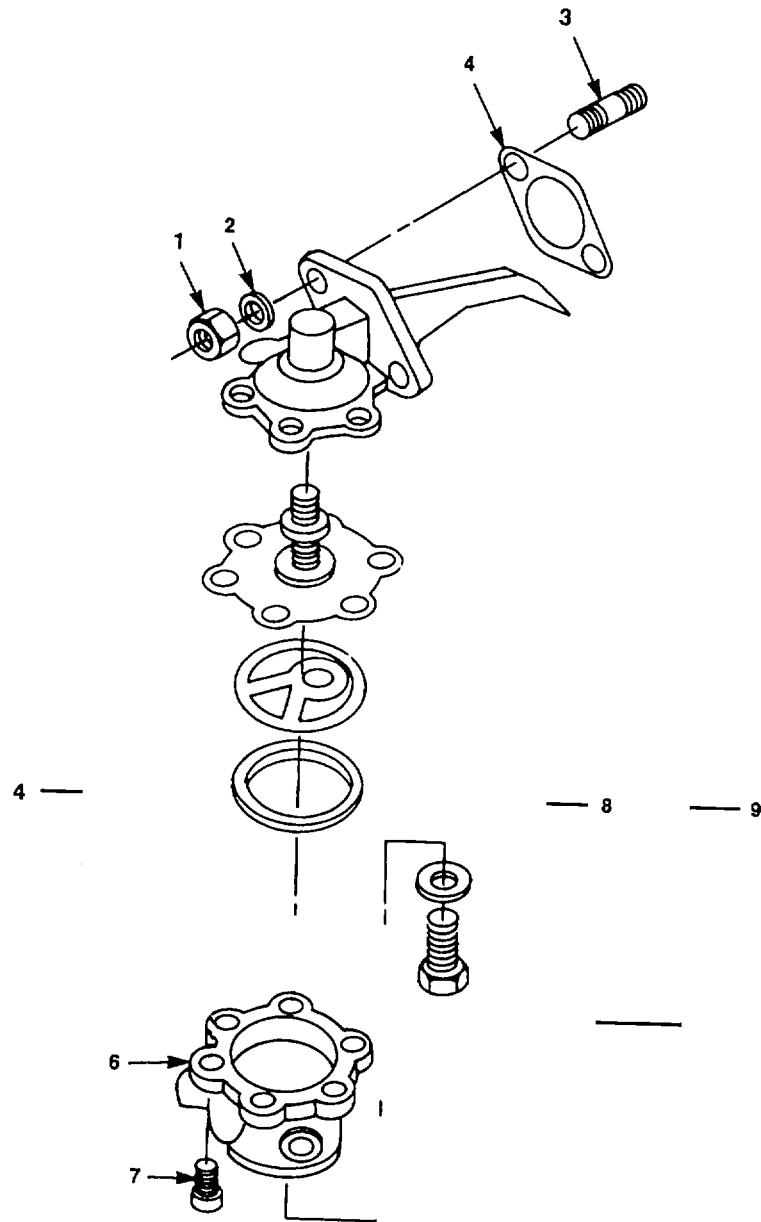


Figure 28. Fuel Feed Pump

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
NO	CODE	CAGEC	NUMBER		
GROUP 02 ENGINE					
FIG. 28 FUEL FEED PUMP					
1	PAOZZ	62445	111-2813	•NUT, PLAIN, HEXAGON .....	2
2	XDOZZ	62445	0110-7095	•WASHER .....	2
3	XDOZZ	62445	0111-3350	•STUD .....	2
4	PAOFF	36719	1260140	•PUMP, FUEL, CAM ACTUA.....	1
5	PAOZZ	36719	223-4450	••GASKET SET .....	1
6	XAOZZ	62445	0126-0780	••PUMP TOP .....	1
7	XAOZZ	62445	0112-5533	••SCREW OVAL HEAD .....	6
8	XDOZZ	62445	0126-0051	••REPAIR KIT .....	1
9	XDOZZ	62445	0126-0049	••REPAIR KIT .....	1

END OF FIGURE

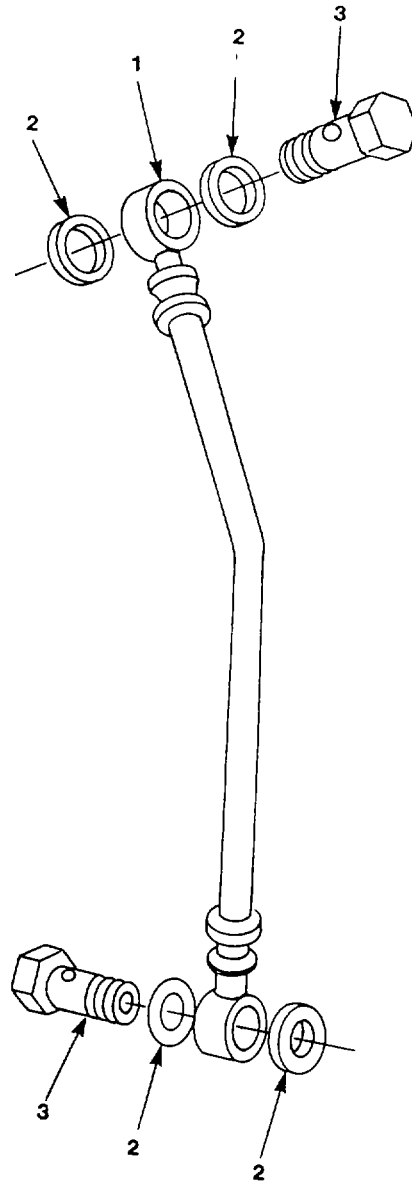
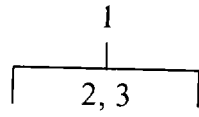


Figure 29. Fuel Hose

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
NO	CODE	CAGEC	NUMBER		
				GROUP 02 ENGINE	
				FIG. 29 FUEL HOSE	
1	XDOOO	62445	0124-2558	•FULL HOSE .....	1
2	PAOZZ	62445	111-8688	••WASHER, FLAT .....	4
3	PAOZZ	62445	1119246	••BOLT, FLUID PASSAGE .....	2
				END OF FIGURE	

7  
8 THRU 11

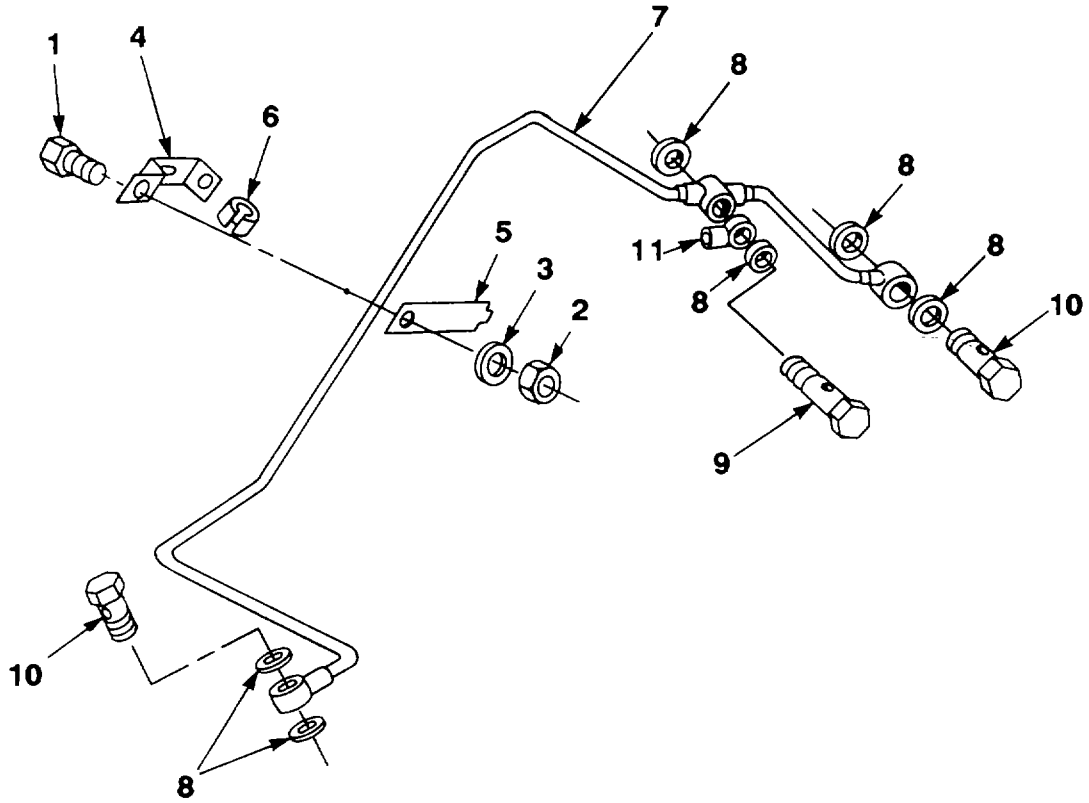


Figure 30. Fuel Return Lines

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 02 ENGINE					
FIG. 30 FUEL RETURN LINES					
1	PAOZZ	62445	111-2240	•BOLT, MACHINE .....	1
2	PAOZZ	62445	111-2813	•NUT, PLAIN, HEXAGON .....	1
3	XDOZZ	62445	0110-7095	•WASHER .....	1
4	PAOZZ	62445	116-1469	•BRACKET, DOUBLE ANGL .....	1
5	XDOZZ	62445	0117-0642	•END PLATE .....	1
6	PAOZZ	62445	0121-0090	•SEAL, PLAIN .....	1
7	XCOZZ	62445	0213-8002	•FUEL RETURN LINE .....	1
8	XDOZZ	62445	0111-8646	••SEALING RING .....	6
9	XDOZZ	62445	0111-9230	••BANJO BOLT .....	1
10	XDOZZ	62445	0121-6492	••BANJO BOLT .....	2
11	XDOZZ	62445	0111-9220	••BANJO FITTING .....	1

END OF FIGURE



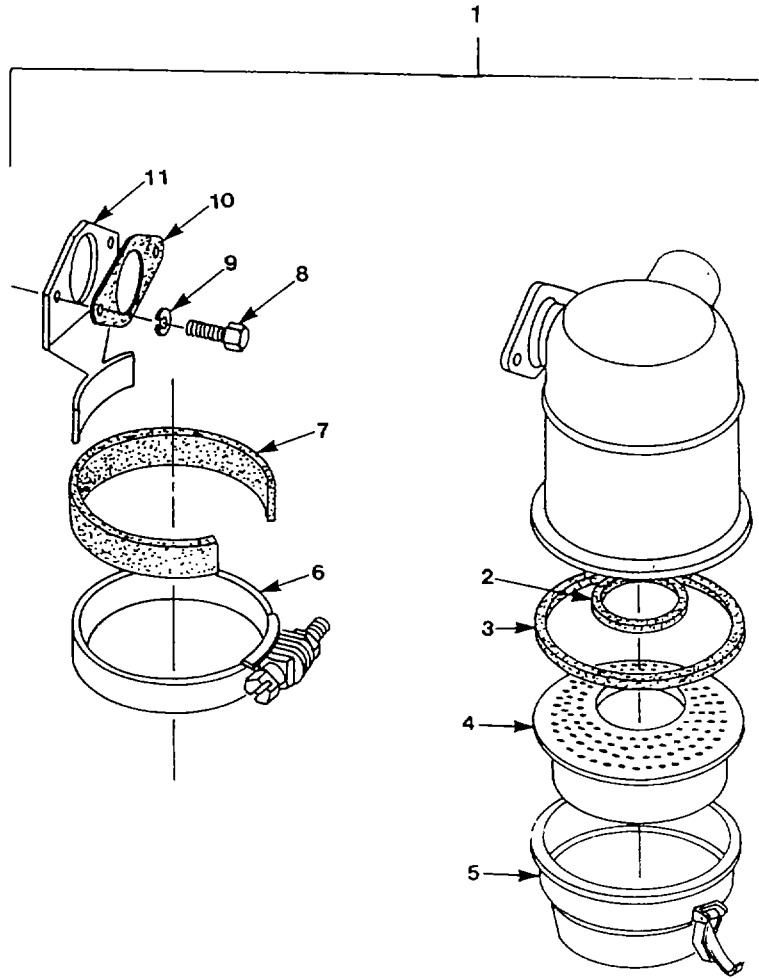


Figure 31. Oil Bath Air Cleaner

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 02 ENGINE					
FIG. 31 OIL BATH AIR CLEANER					
1	XDOOO	62445	0337-2350	•BATHAIR ASSEMBLY .....	1
2	XDOZZ	62445	0337-2332	••GASKET .....	1
3	XDOZZ	62445	0126-5439	••GASKET .....	1
4	XDOZZ	62445	335-7641	••FILTER ELEMENT, INTA .....	2
5	XDOZZ	62445	0210-2787	••OIL RESERVOIR .....	2
6	PAOZZ	62445	0117-0151	••CLAMP, HOSE .....	1
7	XDOZZ	62445	0216-0361	••PAD .....	1
8	PAOZZ	62445	111-2529	••SCREW, CAP, HEXAGON H .....	1
9	PAOZZ	62445	110 2801	••WASHER, LOCK .....	1
10	PAOZZ	62445	0121-0035	••GASKET .....	1
11	XDOZZ	62445	0216-0308	••SUPPORT PLATE .....	1

END OF FIGURE

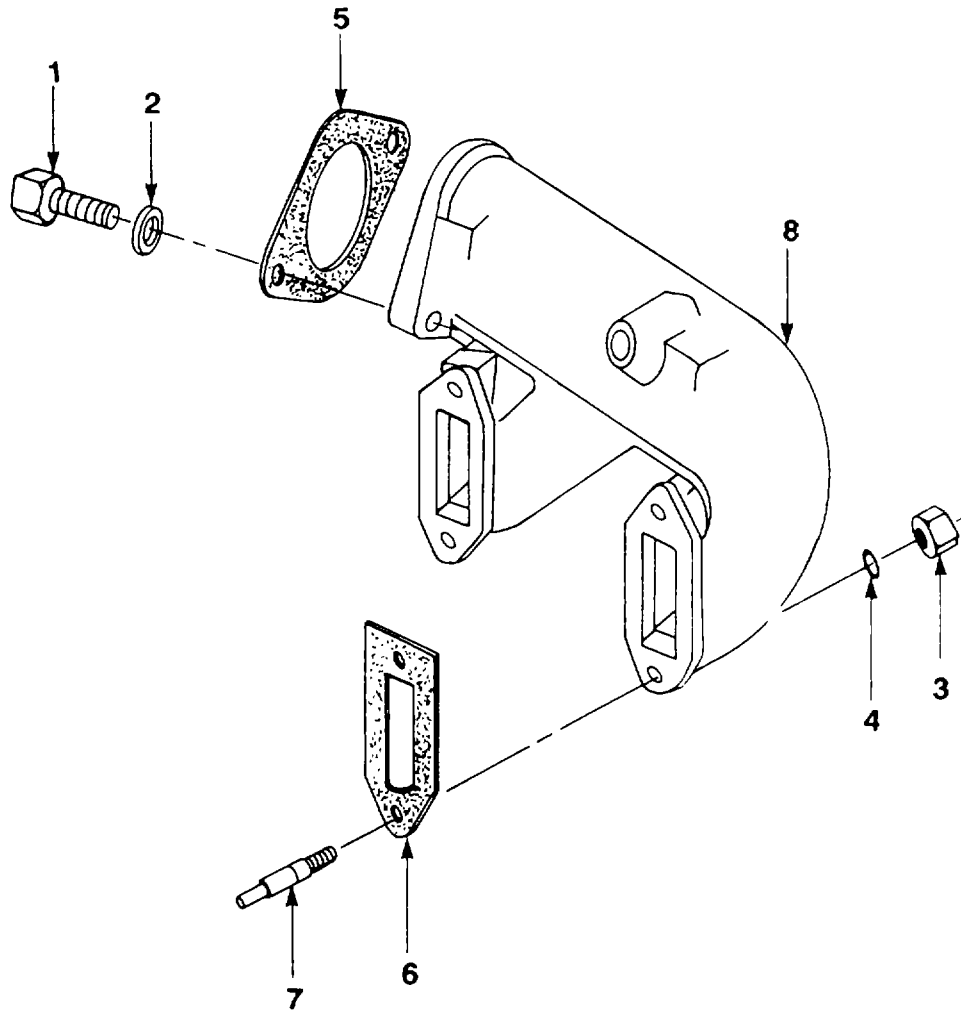


Figure 32. Intake Manifold Pipe

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART	DESCRIPTION AND USABLE ON CODES (UOC)	
NO	CODE	CAGEC	NUMBER		QTY
GROUP 02 ENGINE					
FIG. 32 INTAKE MANIFOLD PIPE					
1	XDOZZ	62445	0111-2505	•HEX BOLT .....	2
2	XDOZZ	62445	0110-2801	•WASHER, LOCK .....	2
3	XDOZZ	62445	0111-2824	•HEX NUT .....	4
4	XDOZZ	62445	0110-2799	•WASHER, LOCK .....	4
5	XDOZZ	62445	0112-0870	•GASKET .....	1
6	XDOZZ	36719	223 0704	•GASKET .....	2
7	XDOZZ	62445	0111-0190	•STUD .....	4
8	XDOZZ	62445	0415-6635	•MANIFOLD INTAKE .....	1
END OF FIGURE					

7  
8 thru 17

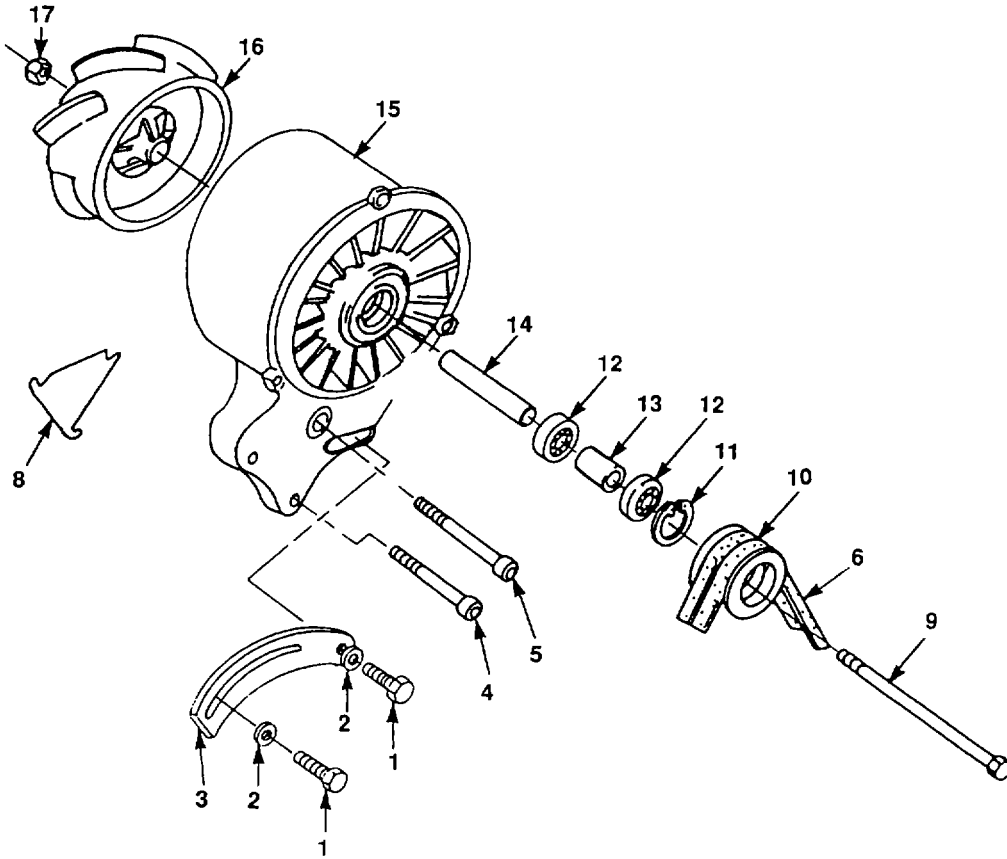


Figure 33. Cooling Air Blower

## SECTION II

TM 5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
				GROUP 02 ENGINE	
				FIG. 33. COOLING AIR BLOWER	
	XDFFF	36719	2233066	.BLOWER, AIR BARRIER.....	1
1	PAOZZ	62445	0110-2958	.SCREW, MACHINE .....	2
2	PAOZZ	62445	0121-6075	.WASHER, LOCK .....	2
3	PAOZZ	62445	0216-9870	.PLATE, ARMATURE.....	1
4	XDFZZ	62445	0110-1405	.CHEESE HD SCREW.....	2
5	XDFZZ	62445	0110-3782	.CHEESE HD SCREW.....	1
6	PAOZZ	64104	A216003-C	.BELTS, V, MATCHED SET .....	1
7	XDFFF	36719	2233066	.BLOWER, AIR BARRIER.....	1
8	XDFZZ	62445	0337-2390	..PAD.....	3
9	XDFZZ	62445	0111-1595	..HEX BOLT.....	1
10	XDFZZ	62445	0213-6541	..V-BELT PULLEY.....	1
11	XDFZZ	62445	0110-7834	..CIRCLIP .....	1
12	PAFZZ	62445	1174602	..BEARING, BALL, ANNULA.....	2
13	XDFZZ	62445	0213-3430	..BUSHING .....	1
14	XDFZZ	62445	0213-3441	..QUILL SHAFT.....	1
15	XDFZZ	62445	0223-3069	..BLOWER JACK .....	1
16	XDFZZ	62445	0213-9278	..BOTTOM ROLLER .....	1
17	XDFZZ	62445	0111-2858	..HEX NUT.....	1

END OF FIGURE

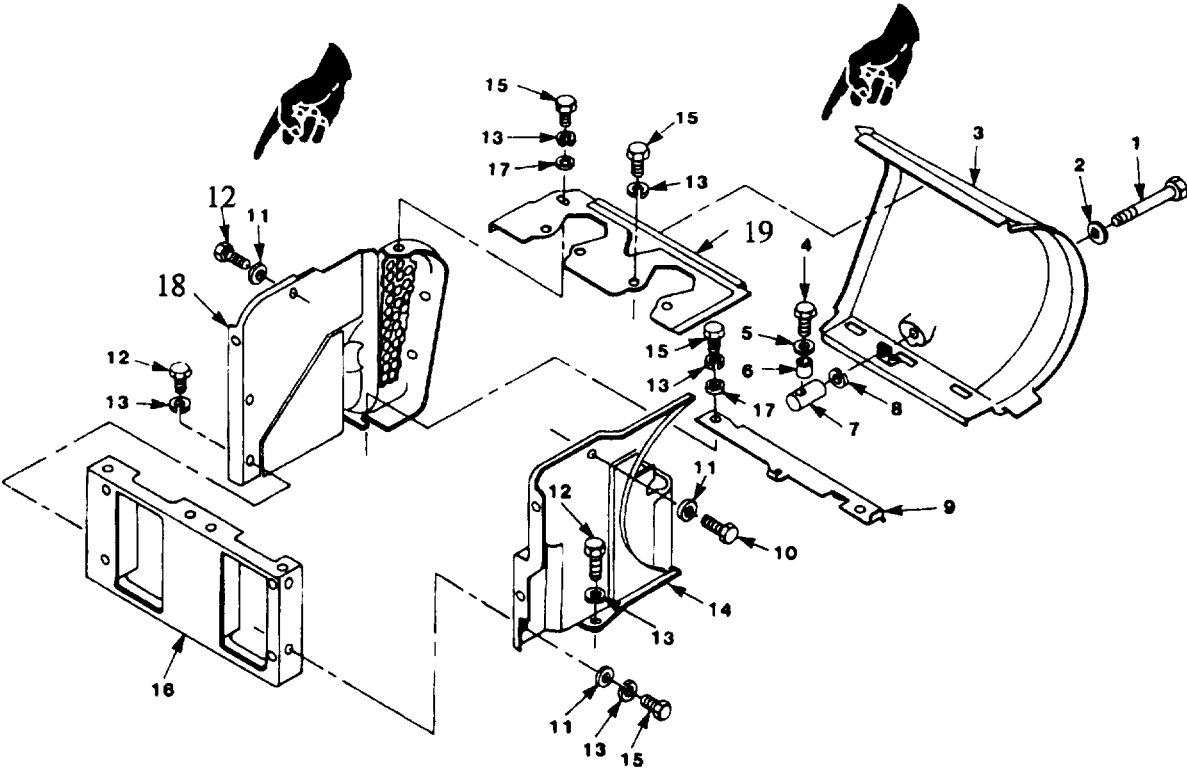


Figure 34. Cooling Air Ducting System

## SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
					GROUP 02 ENGINE	
					FIG. 34. COOLING AIR DUCTING SYSTEM	
	XCHHH		62445	0150-40	..COOL AIR DUCT SYSTE.....	1
1	XDOZZ		62445	0112-2393	..HEX BOLT.....	1
2	XDOZZ		62445	0331-2840	..WASHER.....	1
3	XDOZZ		62445	0337-2427	..AIR GUIDE HOOD.....	1
4	XDOZZ		62445	0111-2350	..HEX BOLT.....	1
5	XDOZZ		62445	0110-7101	..WASHER.....	1
6	XDOZZ		62445	0332-1000	..SPACER TUBE.....	1
7	XDOZZ		62445	0337-2420	..PIN.....	1
8	XDOZZ		62445	0110-7711	..CIRCLIP.....	1
9	XDOZZ		62445	0337-2422	..BOTTOM PLATE.....	1
10	XDOZZ		62445	0111-2232	..HEX BOLT.....	1
11	XDOZZ		62445	0121-5850	..WASHER.....	9
12	XDOZZ		62445	0111-2258	..HEX BOLT.....	10
13	XDOZZ		62445	0110-2797	..SPRG LOCKWASHER.....	9
14	XDOZZ		62445	0223-1967	..STAY PLATE.....	1
15	XDOZZ		62445	0111-2240	..HEX BOLT.....	9
16	XDOZZ		62445	0347-0082	..SHEILD.....	1
17	XDOZZ		62445	0110-7095	..WASHER.....	9
18	XDOZZ		62445	0223-1955	..STAY PLATE.....	1
19	XDOZZ		62445	0347-0081	..GUIDE RAIL.....	1

END OF FIGURE



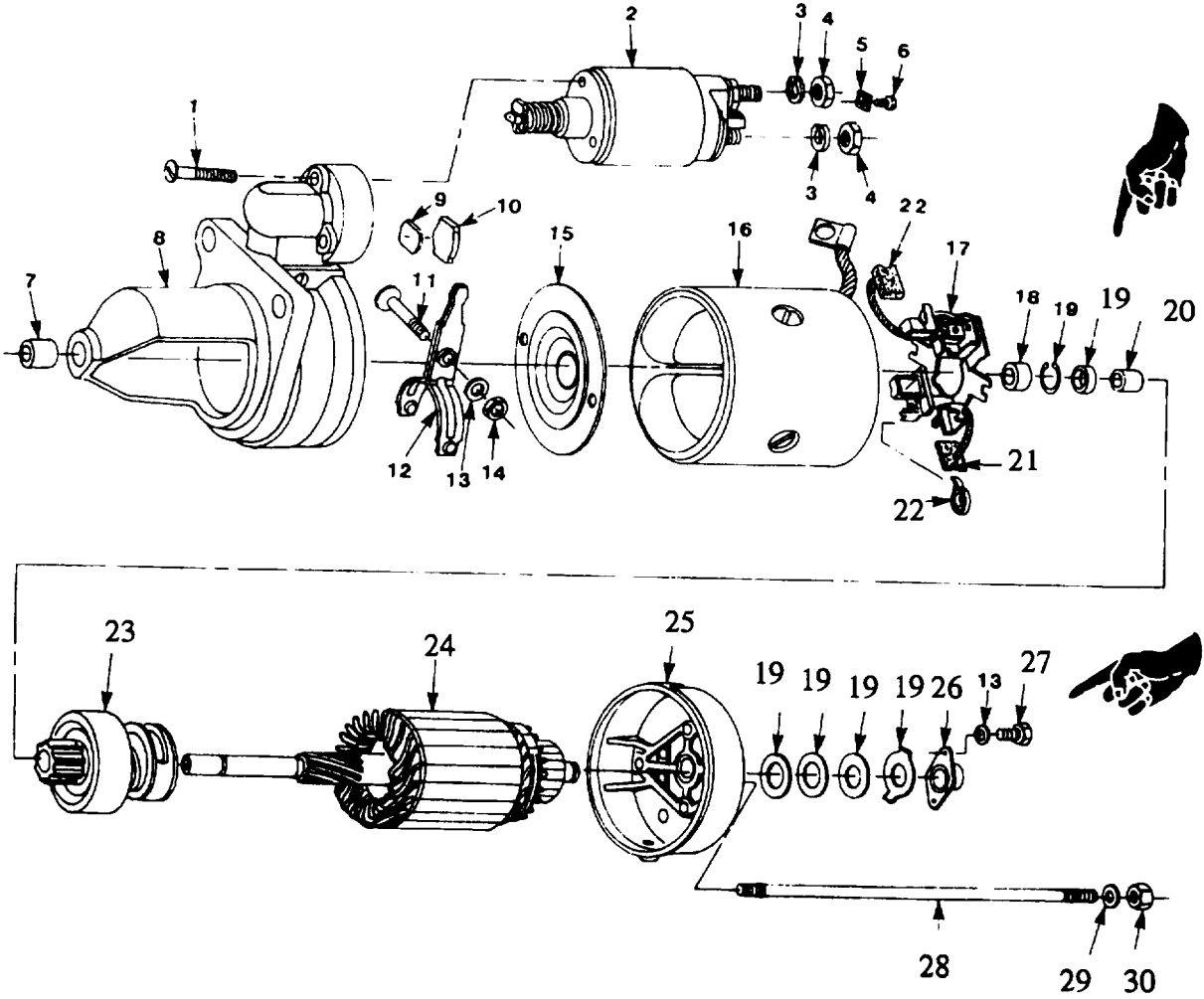


Figure 35. Starter Motor

## SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
GROUP 02 ENGINE						
FIG. 35. STARTER MOTOR						
	PAOFF	2920013694924	62445	0116-4414	..STARTER, ENGINE, ELEC.....	1
1	XDFZZ		62445	0130-9463	..C-SUNK SCREW.....	3
2	PAFZZ	2920012507862	62445	130 7768	..RELAY-SOLENOID, ENGI.....	1
3	XDFZZ		62445	0110-2800	..SPRG LOCKWASHER.....	2
4	XDFZZ		62445	0110-2659	..HEX NUT.....	2
5	XDFZZ		62445	0298-5062	..CLAMP.....	1
6	XDFZZ		62445	0129-9119	..SCREW.....	1
7	XDFZZ		53867	2-000-301-019	..BUSHING, SLEEVE.....	1
8	PAFZZ	3040013694940	62445	0130-8799	..HOUSING, MECHANICAL.....	1
9	XDFZZ		62445	0110-5692	..METAL PLATE.....	1
10	XDFZZ		62445	0110-9581	..RUBBER STRIP.....	1
11	XDFZZ		62445	0130-8812	..C-SUNK SCREW.....	1
12	PAFZZ	2920013692164	62445	0130-7218	..SHIFT LEVER.....	1
13	PAFZZ	5310012372776	62445	110-7283	..WASHER, SPRING TENSI.....	1
14	XDFZZ		62445	0112-6748	..HEX NUT.....	4
15	PAFZZ	3120013684667	62445	0298-5189	..BEARING, SLEEVE.....	1
16	XDFZZ		62445	0130-8142	..WINDING.....	1
17	PAFZZ	2920013695868	62445	0130-8802	..HOLDER, ARMATURE.....	4
18	XDFZZ		62445	1308147	..BUSHING, SLEEVE.....	1
19	XDFZZ		62445	130-8152	..WASHER ASSORT SET.....	1
20	XDFZZ		53867	2-000-301-024	..BUSHING, SLEEVE.....	1
21	XDFZZ		62445	130 8148	..BRUSH SET, ELECTRICA.....	1
22	XDFZZ		62445	0130-8149	..COMPRESS SPRING.....	4
23	XDFZZ		62445	0130-8144	..PINION.....	1
24	PAFZZ	2920013694948	62445	0130-8145	..ROTOR, GENERATOR.....	1
25	XDFZZ		53867	2-005-854-094	..END BELL, ELECTRICAL.....	2
26	XDFZZ		62445	0130-8151	..CAP.....	1
27	XDFZZ		62445	0110-5526	..CHEESE HD SCREW.....	1
28	XDFZZ		62445	0295-5193	..THREADED PIN.....	1
29	XDFZZ		62445	2016-7102	..WASHER.....	1
30	XDFZZ		62445	0111-2813	..HEX NUT.....	1

END OF FIGURE

1  
2 THRU 27

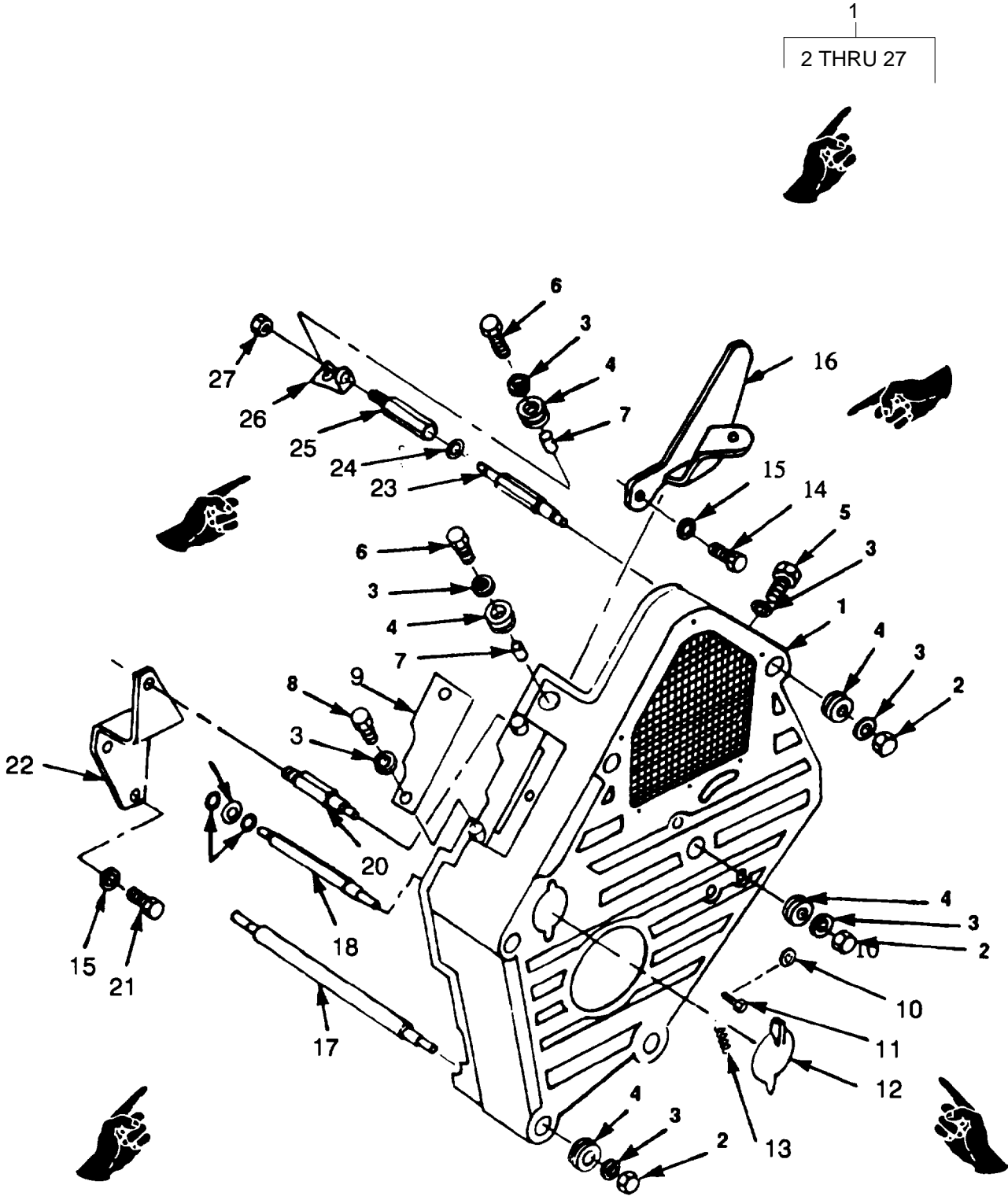


Figure 36. V-Belt Guard

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
GROUP 02 ENGINE						
FIG. 36. V-BELT GUARD						
1	XDOOO		62445	0224-3954	.V-BELT GUARD.....	1
2	XDOZZ		62445	0111-0981	..CAP NUT.....	6
3	XDOZZ		62445	0331-2840	..WASHER.....	6
4	XDOZZ		62445	337-2829	..GROMMET, METALLIC.....	5
5	XDOZZ		62445	0111-3316	..HEX BOLT.....	4
6	XDOZZ		62445	0112-3749	..HEX BOLT.....	2
7	XDOZZ		62445	0224-3634	..PIPE.....	2
8	XDOZZ		62445	0111-2264	..HEX BOLT.....	2
9	XDOZZ		62445	0224-3575	..COVER PLATE.....	1
10	XDOZZ		62445	0110-7089	..WASHER.....	1
11	XDOZZ		62445	0224-3986	..CLAMP.....	1
12	XDOZZ		62445	0224-3985	..COVER.....	1
13	XDOZZ		62445	0224-3987	..DRAW SPRING.....	1
14	XDOZZ		62445	0111-2322	..HEX BOLT.....	2
15	XDOZZ		D8286	A8X14DIN7603-CU	..GASKET.....	6
16	XDOZZ		62445	0224-5403	..ANGLED COVER.....	1
17	XDOZZ		62445	0224-3576	..STUD.....	2
18	XDOZZ		62445	0224-3578	..STUD.....	1
19	XDOZZ		62445	0110-7101	..WASHER.....	2
20	XDOZZ		62445	0224-5004	..STUD.....	1
21	XDOZZ		62445	0111-2350	..HEX BOLT.....	2
22	XDOZZ		62445	0224-5002	..RETAINER PLATE.....	1
23	XDOZZ		62445	0224-3579	..STUD.....	1
24	XDOZZ		62445	0110-7095	..WASHER.....	1
25	XDOZZ		62445	0224-5003	..STUD.....	1
26	XDOZZ		62445	0224-5020	..ANGLE PLATE.....	1
27	XDOZZ		62445	0111-2813	..HEX NUT.....	1

END OF FIGURE

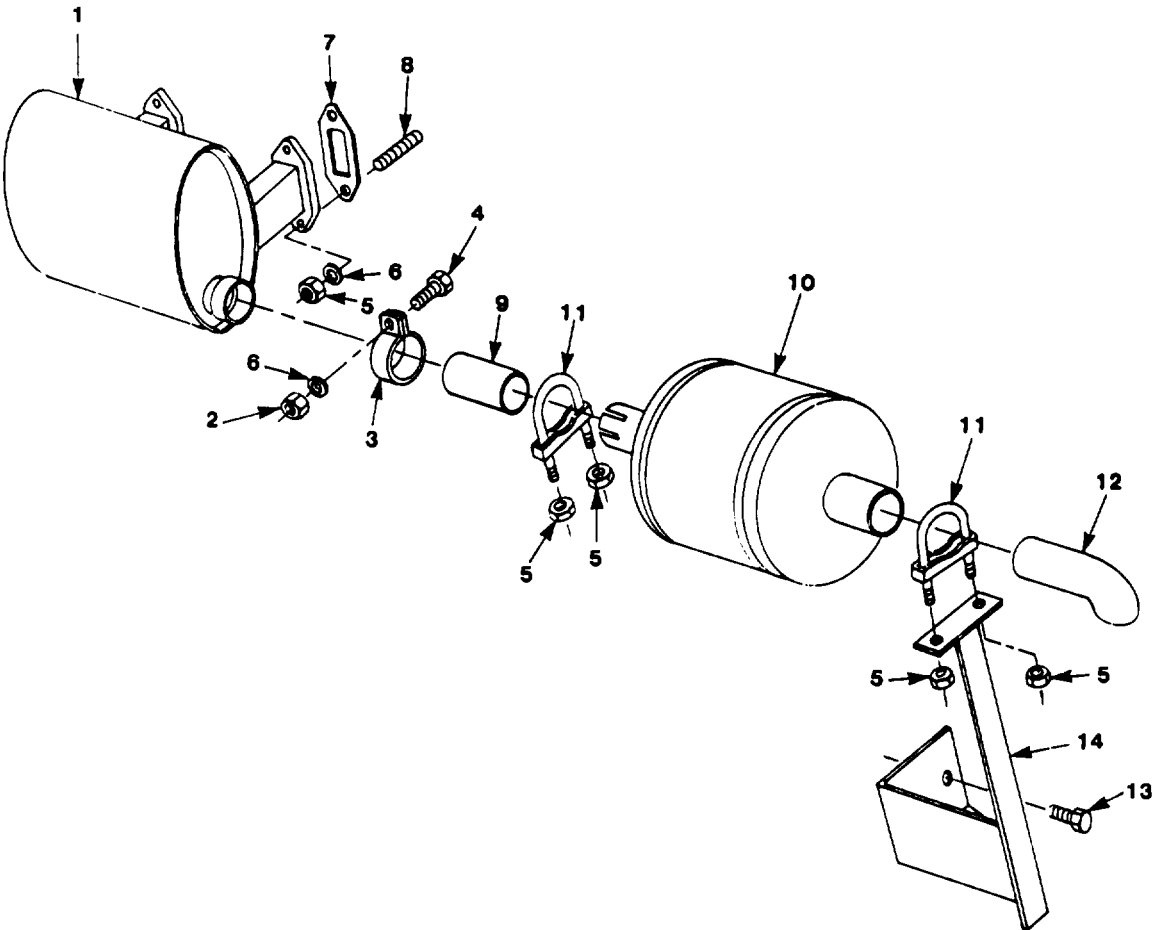


Figure 37. Exhaust Manifold Assembly

## SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 02 ENGINE					
FIG. 37 EXHAUST MANIFOLD ASSEMBLY					
	XCOO	62445	0150-41	•EXHAUST MANIFOLD.....	1
1	XDOZZ	62445	224 6968	•MUFFLER, EXHAUST .....	1
2	XDOZZ	62445	0111-2824	•HEX NUT .....	1
3	XDOZZ	62445	0210-3634	•PIPE CLAMP .....	1
4	XDOZZ	62445	0111-2333	•HEX BOLT .....	1
5	XDOZZ	62445	0331-6466	•HEX NUT .....	8
6	XDOZZ	62445	0110-7102	•WASHER .....	4
7	PAOZZ	36719	3371689	•GASKET .....	2
8	XDOZZ	62445	0111-0183	•STUD.....	4
9	XAOZZ	7A013	DZI MI EX ADP	•CONNECTOR TUBE.....	1
10	XDOZZ	96606	501-8400	•ARRESTER, SPARK EXHA .....	1
11	XDOZZ	62445	0132-0468	•U-CLAMP.....	2
12	XDOZZ	62445	41-001	•TAIL PIPE .....	1
13	XDOZZ	62445	14MMX25MM	•HEX CAP SCREW .....	2
14	XDOZZ	57328	BRC-3	•EXHAUST BRACE .....	1

END OF FIGURE

37-1

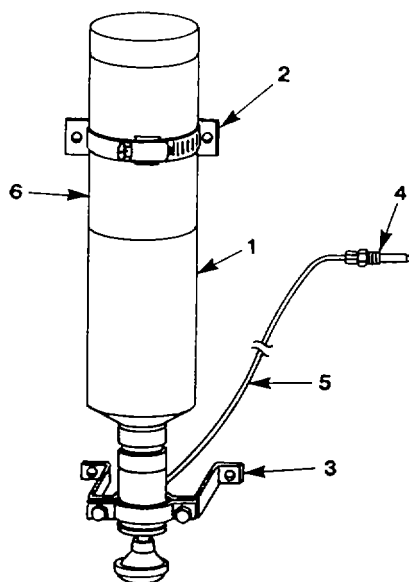


Figure 38. Cold Start Aid

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
				GROUP 02 ENGINE	
				FIG. 38. COLD START AID	
	XCOOO	53203	90153	.COLD START AID .....	1
1	XDOZZ	53203	20011	..CARTRIDGE, ENGINE ST .....	1
2	XDOZZ	53203	300179	..CLAMP NUT .....	2
3	PAOZZ	53203	21199	..VALVE, REGULATING, FL .....	1
4	XDOZZ	53203	220423	..ATOMIZER .....	1
5	XDOZZ	53203	300017	..TUBING, NYLON.....	1
6	PAOZZ	53203	130109	..LABEL .....	1

END OF FIGURE



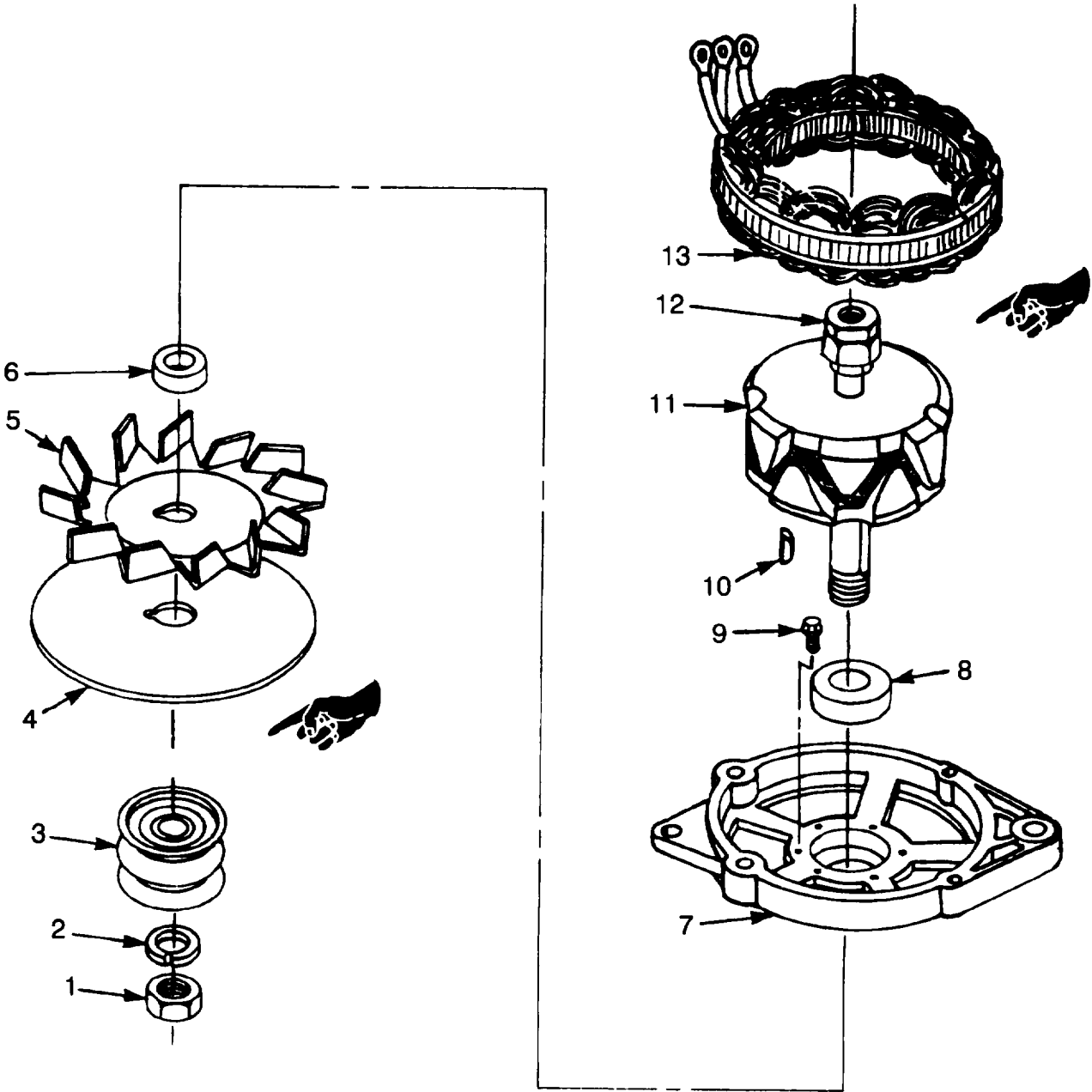


Figure 39. Alternator (Sheet 1 of 2)

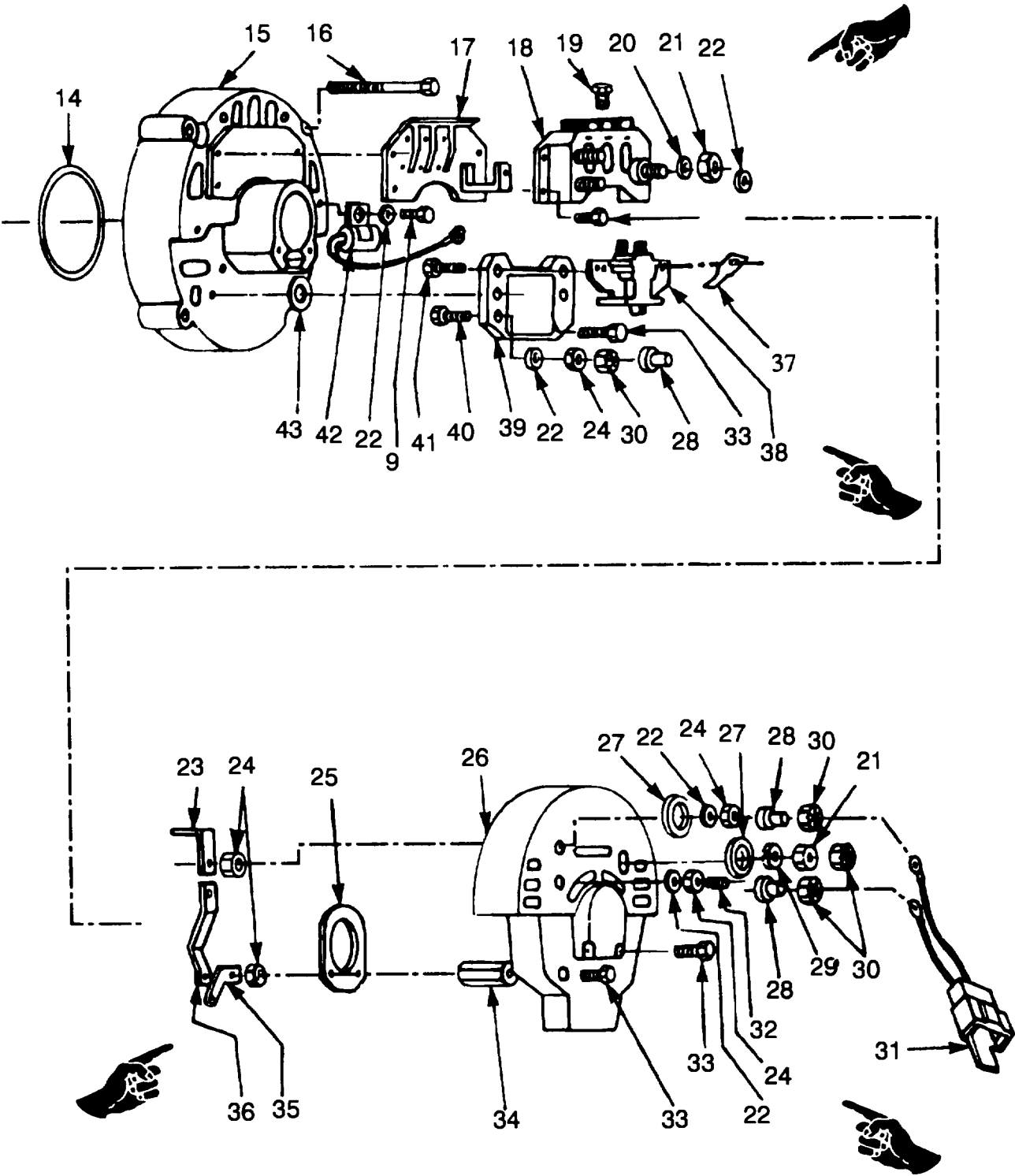


Figure 39. Alternator (Sheet 2 of 2)

## SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
GROUP 02 ENGINE						
FIG. 39. ALTERNATOR						
	PAOFF	2920013694904	OEDY1	8EA2018NA	..GENERATOR, ENGINE AC .....	1
1	XDOZZ		OEDY1	120-136	..NUT, PULLEY .....	1
2	XDOZZ		OEDY1	120-137	..WASHER, SPLITLK .....	1
3	XDOZZ		OEDY1	0224-1733	..PULLEY ASSY.....	1
4	XDOZZ		OEDY1	107-21	..FAN BAFFLE .....	1
5	XDOZZ		OEDY1	107-8	..FAN .....	1
6	XDOZZ		OEDY1	120-152	..FAN SPACER .....	1
7	XDOZZ		OEDY1	114-215	..FRONT HOUSING .....	1
8	PAOZZ	3120013308382	68505	111-21	..BEARING, SLEEVE .....	1
9	XDOZZ		OEDY1	120-347	..SCREW .....	6
10	XDOZZ		OEDY1	120-7	..WOODRUFF KEY .....	1
11	PAOZZ	2920013694949	OEDY1	112-66	..ROTOR ASSEMBLY .....	1
12	XDOZZ		OEDY1	112-22	..SLIP RING .....	1
13	PAOZZ	2920013695015	OEDY1	113-55	..STATOR ASSEMBLY, IGN.....	1
14	XDOZZ		OEDY1	111-64	..BEAR RETAINER .....	1
15	XDOZZ		OEDY1	114-213	..REAR HOUSING .....	1
16	XDOZZ		OEDY1	120-336	..BOLT .....	4
17	XDOZZ		OEDY1	101-207	..RECTIFIER BRIDG .....	1
18	PAOZZ	5961013313974	24975	101-206	..SEMICONDUCTOR DEVIC.....	1
19	XDOZZ		OEDY1	120-121	..SCREW, TAPPING .....	3
20	XDOZZ		OEDY1	120-109	..WASHER .....	1
21	XDOZZ		OEDY1	120-342	..HEX NUT .....	2
22	XDOZZ		OEDY1	120-120	..WASHER .....	3
23	XDOZZ		OEDY1	120-335	..TAP LUG, AC.....	1
24	XDOZZ		OEDY1	120-148	..HEX NUT .....	6
25	XDOZZ		OEDY1	103-56	..GASKET, FELT .....	1
26	XDOZZ		OEDY1	114-214	..COVER ASSY.....	1
27	XDOZZ		OEDY1	115-62	..RED INSULATOR .....	1
28	XDOZZ		OEDY1	120-68	..STUD, CAP.....	1
29	XDOZZ		OEDY1	120-113	..WASHER .....	1
30	XDOZZ		OEDY1	120-254	..LOCKNUT, HEX.....	4
31	XCOZZ		OEDY1	120-221	..CABLE, ASSY.....	1
32	PAOZZ	5340013721381	OEDY1	115-79	..BOOT, DUST AND MOIST .....	1
33	XDOZZ		OEDY1	120-252	..SCREW, TAPPING .....	8
34	XDOZZ		OEDY1	120-348	..SPACER, HEX.....	1
35	XAOZZ		OEDY1	NPN	..MALE TERMINAL .....	1
36	XDOZZ		OEDY1	120-334	..DT, STRAP .....	1
37	XDOZZ		OEDY1	116-86	..MALE TERMINAL .....	1
38	PAOZZ	5977013313432	68505	103-55	..HOLDER, ELECTRICAL C.....	1
39	PAOZZ		OEDY1	105-259	..REGULATOR, ENGINE GE .....	1
40	XDOZZ		OEDY1	120-343	..SCREW, MACHINE .....	1
41	XDOZZ		OEDY1	120-339	..SCREW, MACHINE .....	2
42	XAOZZ		OEDY1	1985445	..CAPACITOR.....	1
43	XDOZZ		OEDY1	115-4	..WASHER.....	1

END OF FIGURE

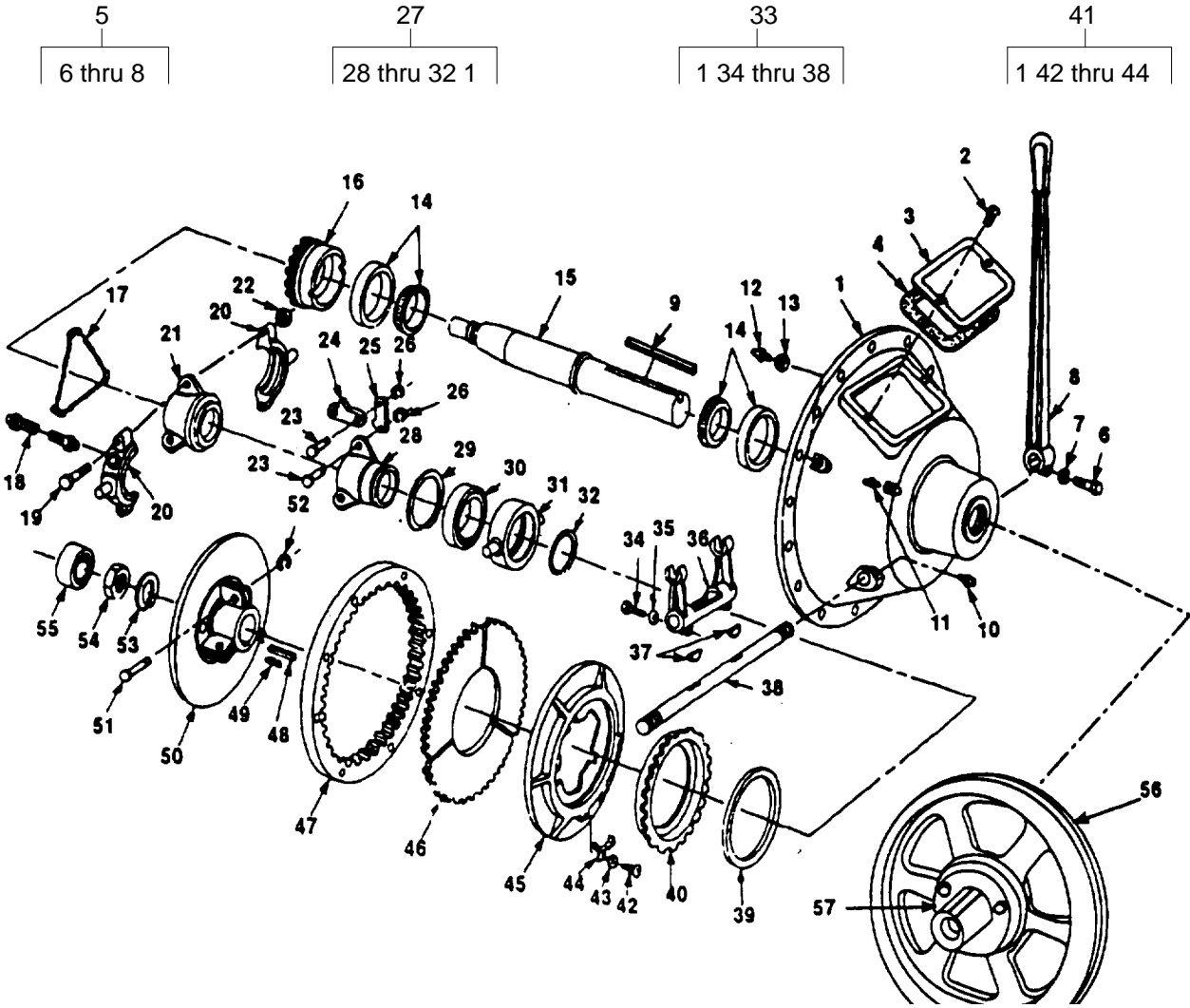


Figure 40. Clutch System (Type HE with PTA Housing)

## SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 02 ENGINE					
FIG. 40 CLUTCH SYSTEM (TYPE HE WITH PTA HOUSING)					
	XCOFF	77873	0415844	•CLUTCH SYSTEM .....	1
1	XDOZZ	77873	02004274	••MAIN HOUSING .....	2
2	XDOZZ	77873	02006092	••SCREW .....	2
3	XAOZZ	77873	02033761	••NAME PLATE .....	1
4	XDFZZ	77873	T-3	••GASKET .....	1
5	XDOOO	77873	T-20	••HANDLE ASSEMBLY .....	2
6	XDOZZ	77873	0132-0207	••BOLT HEX .....	1
7	XDOZZ	77873	0200 7295	••LOCK WASHER .....	1
8	XDOZZ	77873	0132-0208	••HANDLE .....	1
9	XDFZZ	77873	02004467	••DRIVE KEY .....	1
10	XDFZZ	77873	0206-0843	••GREASE FITTING .....	2
11	XDFZZ	77873	0200-7961	••GREASE FITTING .....	1
12	XDFZZ	77873	02007954	••GREASE FITTING .....	1
13	XDFZZ	77873	0132-0188	••JAM NUT .....	1
14	XDFZZ	77873	0132-0194	••BEARING .....	2
15	XDFZZ	77873	0200-6252	••CLUTCH SHAFT .....	1
16	XDFZZ	77873	02007438	••RETAINER BRG .....	1
17	XDFZZ	77873	0200-7359	••SPRING .....	1
18	XDFZZ	77873	0132-0185	••HOSE .....	2
19	XDFZZ	77873	0200-3062	••BOLT .....	2
20	XDOZZ	77873	0300-7551	••RELEASE BEARING .....	2
21	XDFZZ	77873	03009494	••RELEASE SLEEVE .....	1
22	XDFZZ	77873	0132-0183	••SELF LOCK NUT .....	2
23	XDFZZ	77873	02004802	••PIN, CLEVIS .....	6
24	XDFZZ	77873	0209-4552	••LEVER.....	3
25	XDFZZ	77873	0132-0175	••LINK .....	6
26	XDFZZ	77873	0200-5897	••RETAINER .....	6
27	XDFFF	77873	H-24	••SLV & BRG ASSY .....	1
28	XDFZZ	77873	0300-9494	••RELEASE SLEEVE .....	1
29	XDFZZ	77873	0200-6773	••SNAP RING .....	1
30	XDFZZ	77873	02007437	••BEARING BALL .....	1
31	XDFZZ	77873	0132-0171	••BEARING CARRIER .....	1
32	XAOZZ	77873	C2006710	••STRAP .....	1
33	XDFFF	77873	0200-7360	••YOKE ASSEMBLY .....	1
34	XAOZZ	77873	0232-3276	••BOLT .....	2
35	XAOZZ	77873	0200-7228	••LOCK WASHER .....	2
36	XDFZZ	77873	0132-0199	••YOKE .....	1
37	XDFZZ	77873	0200-4536	••WOODRUFF KEY .....	2
38	XDFZZ	77873	0200-6425	••YOKE SHAFT .....	1
39	XAFZZ	77873	H-10	••WEAR PLATE .....	1
40	XDFZZ	77873	H-9	••RING ADJUSTING .....	1
41	XDFZZ	77873	0200-4688	••ADJ O-RING ASSY .....	1
42	XDFZZ	77873	0290-3122	••BOLT .....	1
43	XDFZZ	77873	0132-0210	••LOCK WASHER .....	1
44	XDFZZ	77873	0130-6394	••SPRING LOCK .....	1
45	XDFZZ	77873	0300-8805	••PRESSURE PLATE .....	1
46	XDFZZ	77873	0132-0166	••FACING DISC .....	1

## SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
47	XDFZZ	77873	0200-5854	DRIVE RING .....	2
48	XDFZZ	77873	02003573	DRIVE KEY .....	2
49	XDFZZ	77873	0200-9556	SPRING .....	3
50	XDFZZ	77873	0290-2998	CLUTCH BODY.....	1
51	XDFZZ	77873	02004788	PIN .....	3
52	XDFZZ	77873	02005894	RETAINER WASHER .....	3
53	XDFZZ	77873	0209-4688	LOCK WASHER.....	1
54	XDFZZ	77873	0200-4746	NUT .....	1
55	XDFZZ	77873	0132-0161	PILOT BEARING .....	1
56	XDOZZ	57328	TYPE-D3	SHEAVE 9.0 P.D .....	1
57	XDOZZ	8D709	SDS X 1-7/16"	BUSHING .....	1

END OF FIGURE

40-2

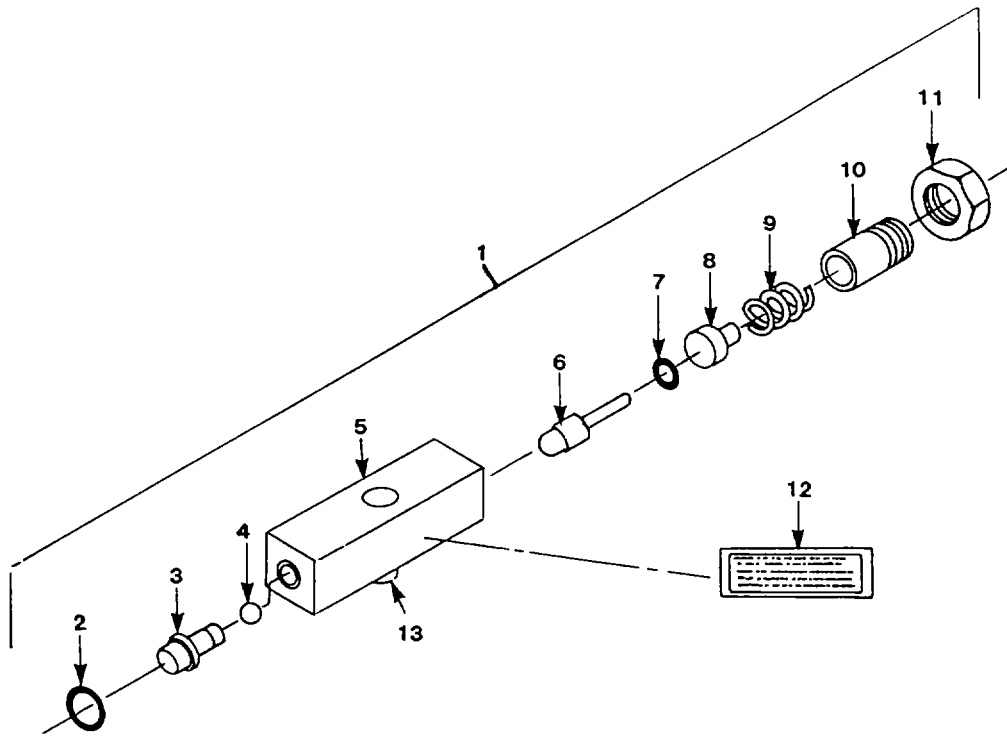


Figure 41. Pressure Maintaining Valve

SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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GROUP 03 PURIFICATION SYSTEM

FIG. 41 PRESSURE MAINTAINING VALVE

	XCOFF	57328	NPN	PURIF SYS .....	1
1	XDFFF	OPH81	211	•PRESS MAINT VLV .....	1
2	XDFZZ	OPH81	324-10	••O-RING .....	1
3	XDFZZ	OPH81	213	••SEAT .....	1
4	XDFZZ	OPH81	324-9	••BALL .....	1
5	XDFZZ	OPH81	212	••BODY .....	1
6	XDFZZ	OPH81	214	••POPPET .....	1
7	XDFZZ	OPH81	324-8	••O RING .....	1
8	XDFZZ	OPH81	509-1	••SPRING GUIDE.....	1
9	XDFZZ	OPH81	324-7	••SPRING .....	1
10	XDFZZ	OPH81	510-1	••PRESS ADJ SCREW .....	1
11	XDFZZ	OPH81	511	••LOCKNUT .....	1
12	XDFZZ	OPH81	324-11	••LABEL .....	1
13	XDFZZ	OPH81	324-12	••PLUG .....	1

END OF FIGURE



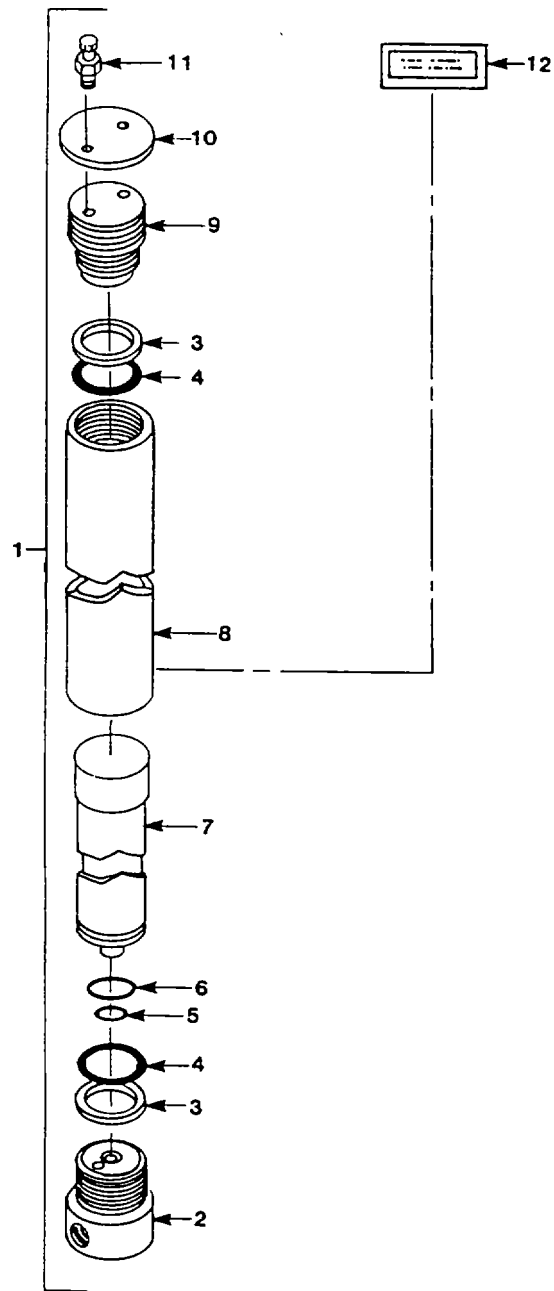


Figure 42. Purifier Chamber

## SECTION II

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
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## GROUP 03 PURIFICATION SYSTEM

## FIG. 42 PURIFIER CHAMBER

1	XDFFF	57328	61082-410	PURIFIER ASSY .....	2
2	XDFZZ	57328	61078-410	FILTER BASE .....	1
3	XDFZZ	57328	RNG-66	BACKUP RING .....	1
4	PAFZZ	60532	RNG67	PACKING, PREFORMED .....	2
5	XDFZZ	57328	RNG-68	PACKING, PREFORMED .....	1
6	PAFZZ	60532	RNG69	PACKING, PREFORMED .....	2
7	PAFZZ	57328	058825-410	CARTRIDGE, DEHYDRATO TYPE BC274 .....	1
7	PAFZZ	57328	058827	CARTRIDGE FOR FIRST CYLINDER.....	1
8	XDFZZ	57328	62047-410	CATALYST, CARBON MON TYPE BC276.....	1
9	XDFZZ	57328	62820-410	CARTRIDGE USED FOR SECOND CYLINDER .....	1
10	XDFZZ	57328	CVR-1	FILTER HOUSING .....	1
11	PAFZZ	57328	12293-410	PLUG .....	1
12	XDFZZ	57328	LBL-98	COVER .....	1
12	XDFZZ	57328	LBL-99	SCREW, CARTRIDGE .....	1
				LABEL, CARTRIDGE LABEL FOR FIRST.....	1
				CYLINDER .....	
				LABEL, CARTRIDGE LABEL FOR SECOND .....	1
				CYLINDER .....	

END OF FIGURE

42-1

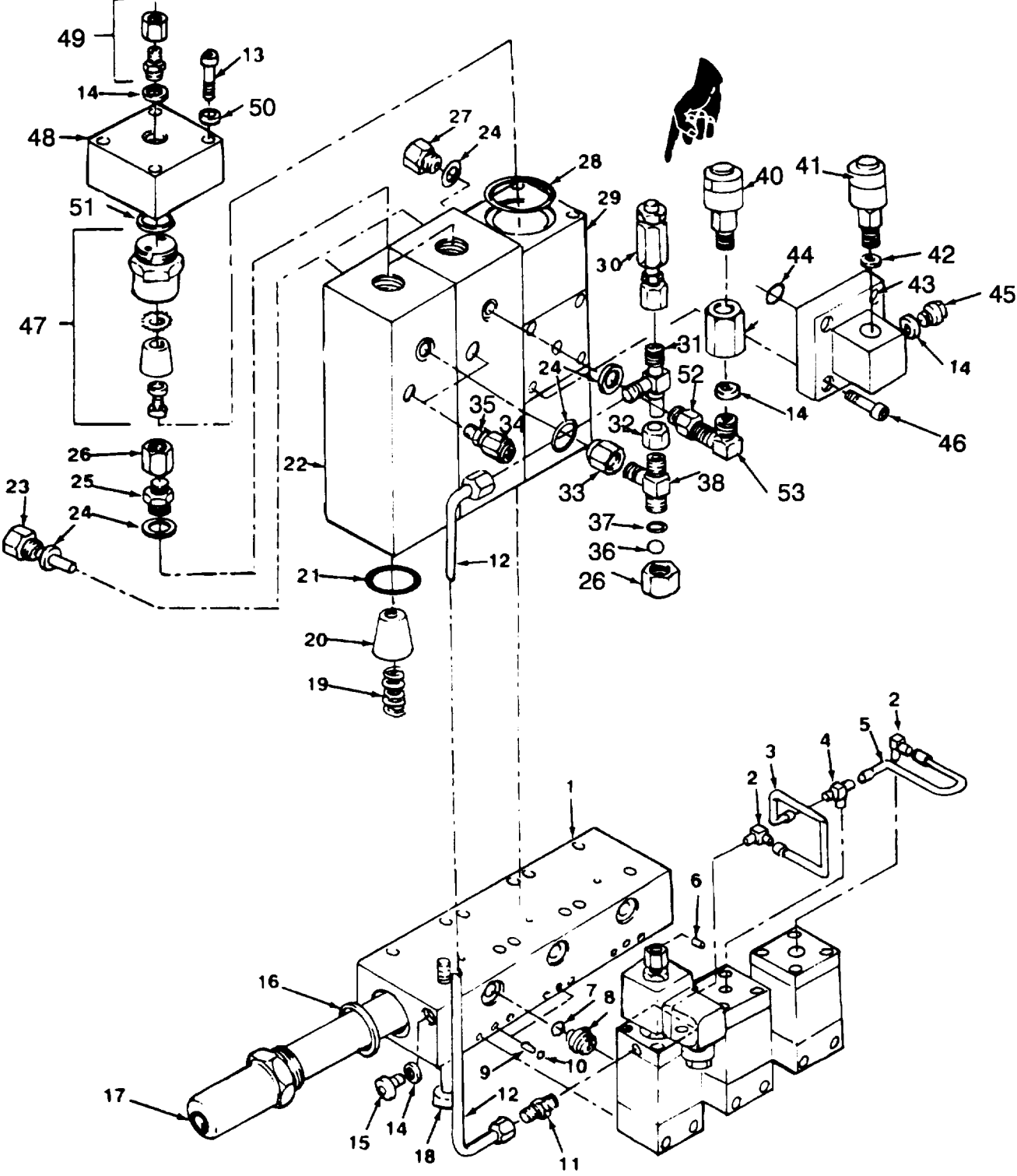


Figure 43. Separator Block (Sheet 1 of 2)

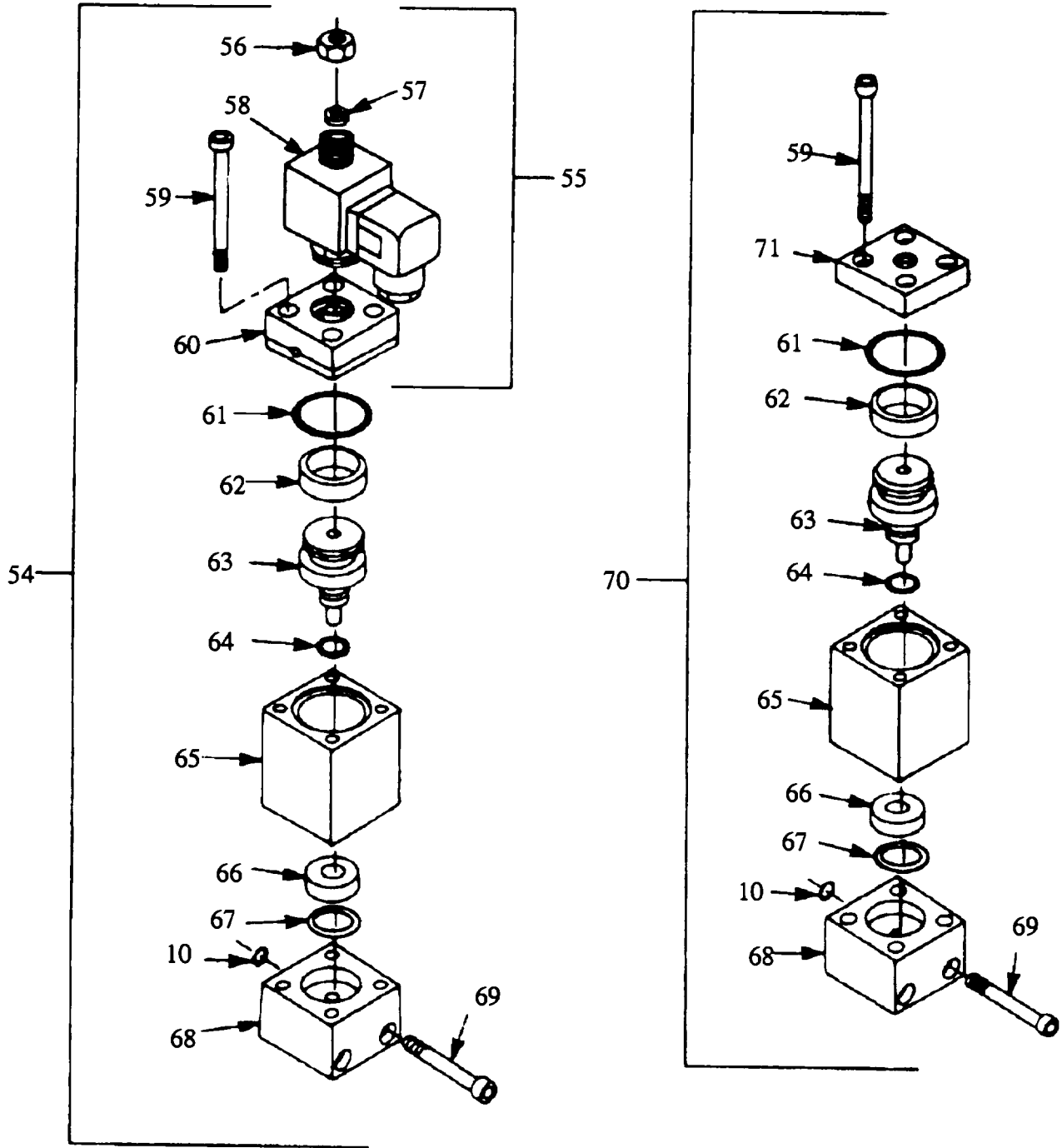


Figure 43. Separator Block (Sheet 2 of 2)

## SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
GROUP 03 PURIFICATION						
FIG. 43. SEPARATOR BLOCK						
	XCFFF		57328	420-2261/97	..SEPARATOR BLOCK.....	1
1	XDFZZ		57328	58033-410	..FILTER BLOCK.....	1
2	XDFZZ		57328	ELL-001055	..MALE ELBOW.....	2
3	XDFZZ		57328	TUB-95	..CONNECTING TUBE.....	2
4	XDFZZ		57328	TEE-002355	..MALE TEE.....	1
5	XDFZZ		57328	TUB-96	..CONNECTING TUBE.....	1
6	XDFZZ		57328	59309-410	..NOZZLE.....	1
7	XDFZZ		57328	N7091	..PACKING, PREFORMED.....	3
8	XDFZZ		57328	59223-635	..ADAPTER.....	3
9	XDFZZ		57328	59308-410	..NOZZLE.....	3
10	XDFZZ		57328	N859	..PACKING, PREFORMED.....	3
11	XDFZZ		57328	N7722	..MALE CONNECTOR.....	1
12	XDFZZ		57328	N15712	..CONNECTING TUBE.....	2
13	XDFZZ		57328	N4571	..SCREW, CAD PLT.....	16
14	XDFZZ		D8286	A14X20DIN7603CU	..GASKET.....	6
15	XDFZZ		57328	N4570	..PLUG.....	1
16	PAFZZ	5330013676230	57328	N1346	..GASKET.....	1
17	PAFZZ	4540013694821	57328	N4636	..HEATING ELEMENT, ELE.....	1
18	XDFZZ		57328	12786-430	..CENTER SCREW.....	2
19	XDFZZ		57328	3015B-640	..SPRING.....	2
20	XDFZZ		57328	12785-430	..BAFFLE CONE.....	2
21	XDFZZ		57328	N4262	..PACKING, PREFORMED.....	3
22	XDFZZ		57328	57797-410	..FILTER HOUSING.....	1
23	XDFZZ		57328	58156-410	..REDUCER.....	2
24	XDFZZ		57328	N4499	..USIT-RING.....	5
25	XDFZZ		57328	N1443	..MALE CONNECTOR.....	2
26	XDFZZ		57328	N57	..HEX NUT.....	4
27	XDFZZ		57328	64952A-868	..ADAPTOR.....	3
28	PAFZZ	5330013683878	57328	N15039	..O-RING.....	1
29	XDFZZ		57328	59199-410	..SEPARATOR HOUS.....	1
30	PAFZZ	4820013694848	57328	012885-340	..VALVE, SAFETY RELIEF.....	1
31	XDFZZ		57328	N3068	..MALE T-BRANCH.....	1
32	XDFZZ		57328	N4141	..HEX NUT.....	2
33	XDFZZ		57328	N3504	..CONNECTOR.....	2
34	XDFZZ		57328	N4530	..PLUG.....	2
35	XDFZZ		57328	N4140	..MALE CONNECTOR.....	2
36	XDFZZ		57328	N2768	..BALL.....	2
37	XDFZZ		57328	RNG-74	..PACKING, PREFORMED.....	2
38	XDFZZ		57328	N3984	..MALE T-BRANCH.....	1
39	XDFZZ		57328	FTG-0020	..ADAPTOR, VALVE.....	1
40	XDFZZ		57328	011523-340	..SAFETY-VALVE.....	1
41	XDFZZ		57328	003063	..SAFETY VALVE.....	1
42	XDFZZ		57328	4479-090	..GASKET.....	4
43	XDFZZ		57328	57803-410	..FLANGE.....	1
44	XDFZZ		57328	N4566	..PACKING, PREFORMED.....	4

## SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
45	XDFZZ		57328	N52	..PLUG.....	1
46	XDFZZ		57328	N61	..ALLEN SCREW .....	4
47	XDFZZ		57328	060354-430	..VORTEX ELEMENT.....	1
48	XDFZZ		57328	59201-410	..COVER.....	1
49	PAFZZ	4730013695874	57328	N3811	..MALE CONNECTOR.....	1
50	PAFZZ	5310013676282	57328	N1594	..WASHER, FLAT .....	1
51	XDFZZ		57328	N15133	..PACKING, PREFORMED.....	1
52	XDFZZ		11649	SS-6-RBST-4	..ADAPTER, STRAIGHT, TU.....	1
53	XDFZZ		11649	SS4ME	..ELBOW, PIPE.....	1
54	XDFFF		57328	059230-342	..DRAIN VLV ASSY.....	1
55	XDFZZ		57328	058053-342	..SOLENOID VALVE .....	1
56	PAFZZ		57328	N60	..NUT, SELF-LOCKING, HE .....	1
57	PAFZZ	5310013676287	57328	N62	..WASHER, LOCK .....	1
58	XDFZZ		57328	N16100	..HIGH TEMP COIL.....	1
59	PAFZZ	5305013682957	57328	N3407	..ALLEN SCREW .....	12
60	XDFZZ		57328	059541	..VALVE SEAT .....	1
61	XDFZZ		57328	N2720	..PACKING, PREFORMED.....	3
62	XDFZZ		57328	N4177	..SEALING RING .....	3
63	XDFZZ		57328	57628-342	..VALVE PISTON .....	3
64	XDFZZ	5330011182486	25184	111-19357	..PACKING, PREFORMED.....	3
65	XDFZZ		57328	56690-342	..VALVE BODY .....	3
66	XDFZZ		57328	56687-342	..VALVE SEAT .....	3
67	XDFZZ		57328	N4178	..PACKING, PREFORMED.....	3
68	XDFZZ		57328	56217-342	..SPACER.....	3
69	XDFZZ		57328	N1776	..ALLEN SCREW .....	6
70	XDFFF		57328	056686-342	..DRAIN VLV ASSY.....	2
71	XDFZZ		57328	56221-342	..FLANGE .....	2

END OF FIGURE

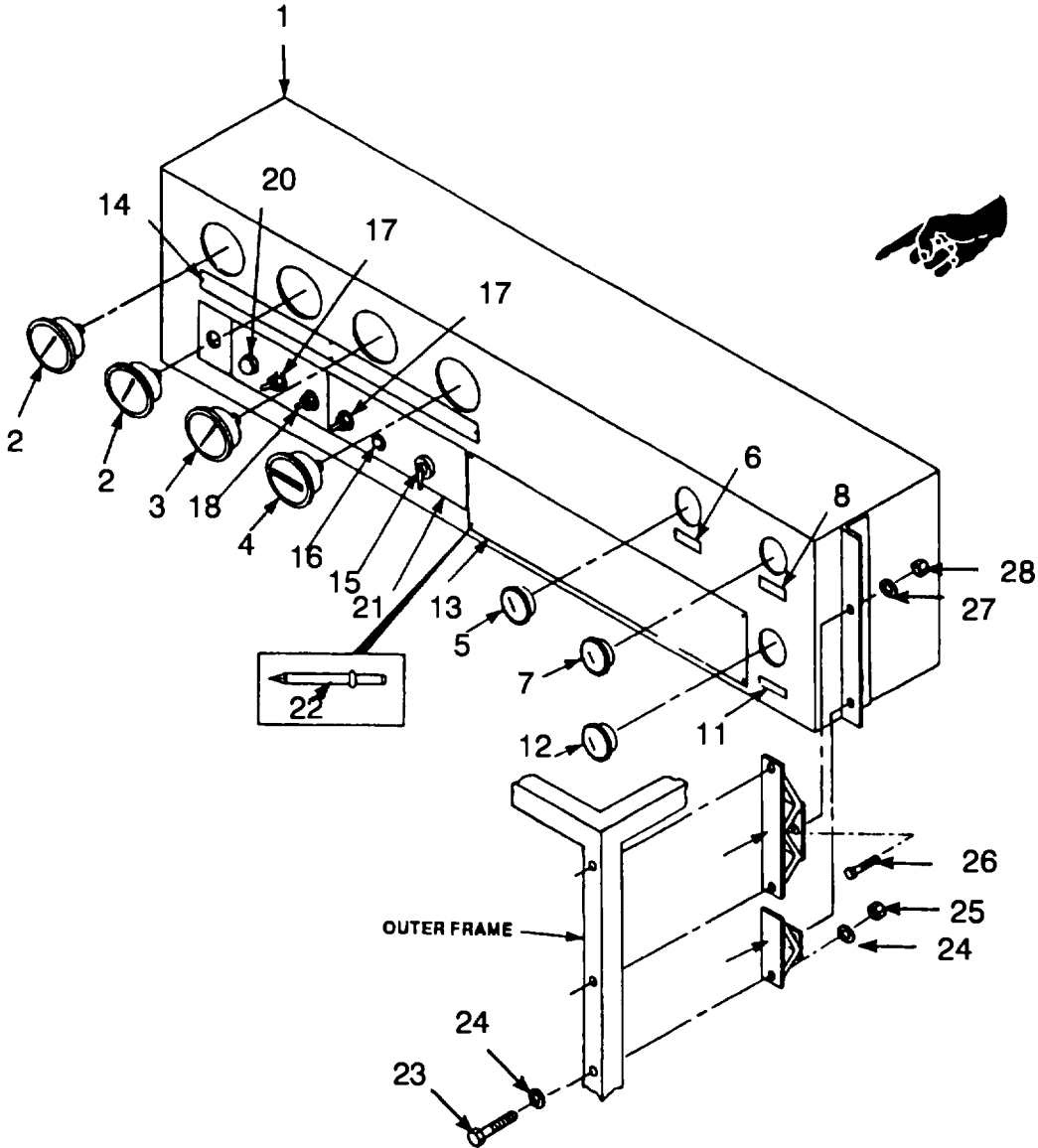


Figure 44. Instruments and Control Panel Assembly

## SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
GROUP 04 INSTRUMENTS AND CONTROL PANEL ASSEMBLY						
FIG. 44. INSTRUMENTS AND CONTROL PANEL ASSEMBLY						
1	XCOZZ		57328	PNL-148	.INSTRUMENT PNL.....	1
2	PAOZZ	6685013699317	61049	9318291	.GAGE, PRESSURE, DIAL.....	2
3	PAOZZ	6685013699318	61049	9318259	.GAGE, PRESSURE, DIAL.....	1
4	PAOZZ	6645013181874	74400	80001	.METER, TIME TOTALIZI 12 VDC.....	1
5	PAOZZ	6625010911074	57733	82202	.AMMETER 60 - 0 - 60 DIAL SCALE .....	1
6	XDOZZ		57328	LBL-94	.LABEL, AMMETER .....	1
7	PAOZA	6685005981776	03479	20-T-8133	.CONTROL, TEMPERATURE .....	1
8	XDOZZ		57328	LBL-96	.LBL, TEMPERATURE .....	1
9	XDFZZ		2X949	TYPE V-S-9	.VIBRATOR ELIMI .....	2
10	XDFZZ		2X949	TYPE-W	.VIBRATOR ELIMI .....	2
11	XDOZZ		57328	LBL-95	.OIL PRESS LBL.....	1
12	PAOZZ	6685013591758	03479	20-P7-150	.GAGE, PRESSURE, DIAL 0 -..... 150PSI, ENGINE HEAD TEMPERATURE.....	1
13	XDOZZ		57328	LBL-413	.HEARING WARNING.....	1
14	XDOZZ		57328	LBL-90	.STRIP GAUGES .....	1
15	PAOZZ	2920013700241	77326	31-608	.SWITCH, ENGINE START .....	1
16	PAOZZ	5930010439302	28835	404473	.SWITCH, SENSITIVE .....	1
17	PAOZZ	5930012283065	91929	11TS15-6	.SWITCH, TOGGLE .....	2
18	XDOZZ		74059	11TS15-2	.DRAIN SWITCH.....	2
19	PAOZZ		91929	11TS15-8	.SWITCH, TOGGLE .....	1
20	XDOZZ		72619	52-5710-0991-30	.INDICATOR LIGHT .....	1
21	XDOZZ		57328	LBL-416	.LABEL, SERVICE LN.....	1
22	XDOZZ	5320010868609	57328	70001-S	.RIVET, BLIND DOME HEAD, SIZE 1/8..... INCH.....	16
23	XDOZZ		57328	58220-S	.FILL HEAD SCREW.....	6
24	XDOZZ		57328	55003-S	.PLAIN WASHER .....	12
25	XDOZZ		57328	53003-S	.HEX LOCK NUT.....	6
26	XDOZZ		57328	51003-S	.HEX BOLT .....	4
27	XDOZZ		57328	55004-S	.PLAIN WASHER .....	8
28	XDOZZ	5310010869887	57328	53004-S	.NUT, SELF-LOCKING, HE .....	8

END OF FIGURE



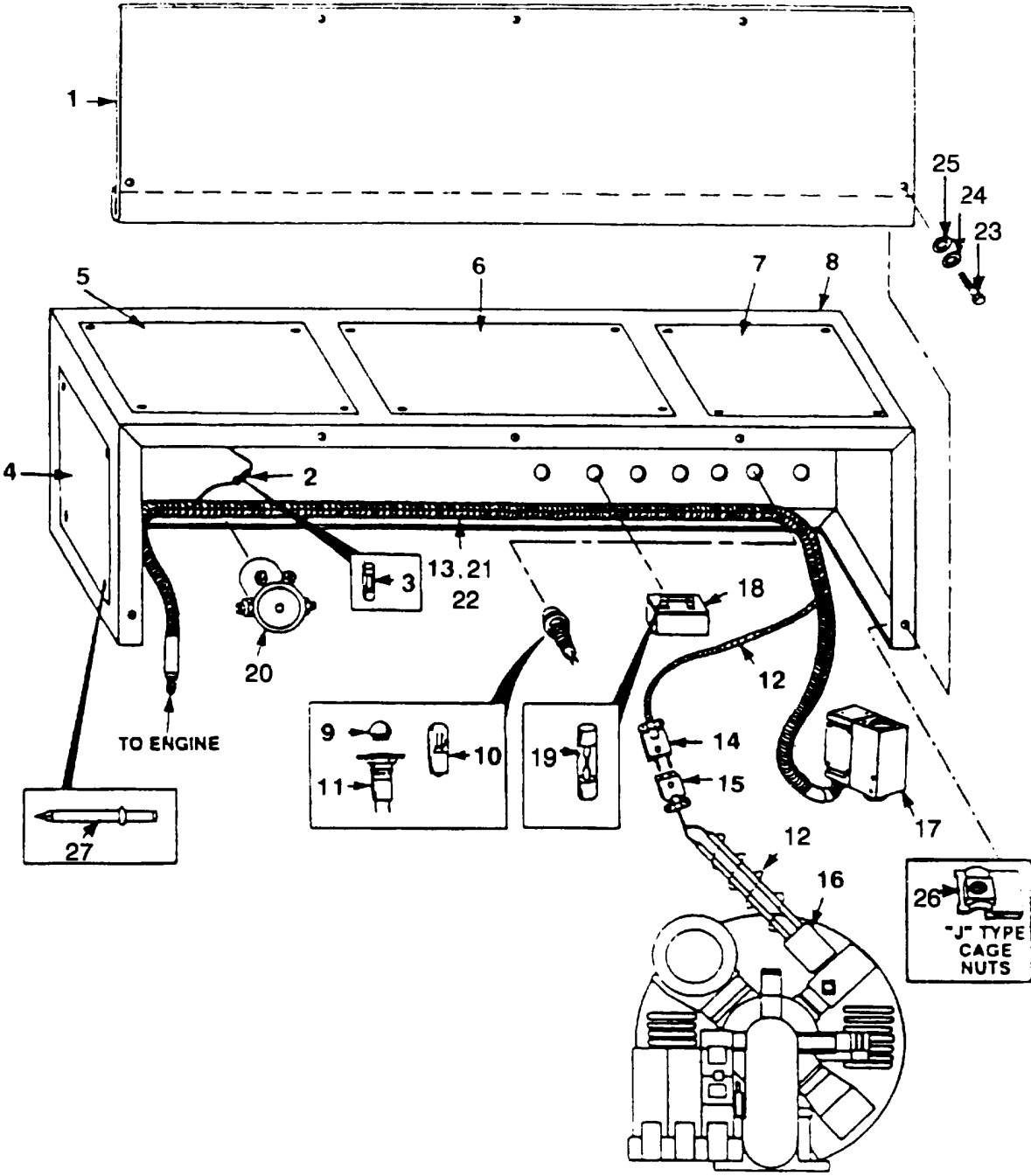


Figure 45. Electrical System (Sheet 1 of 2)

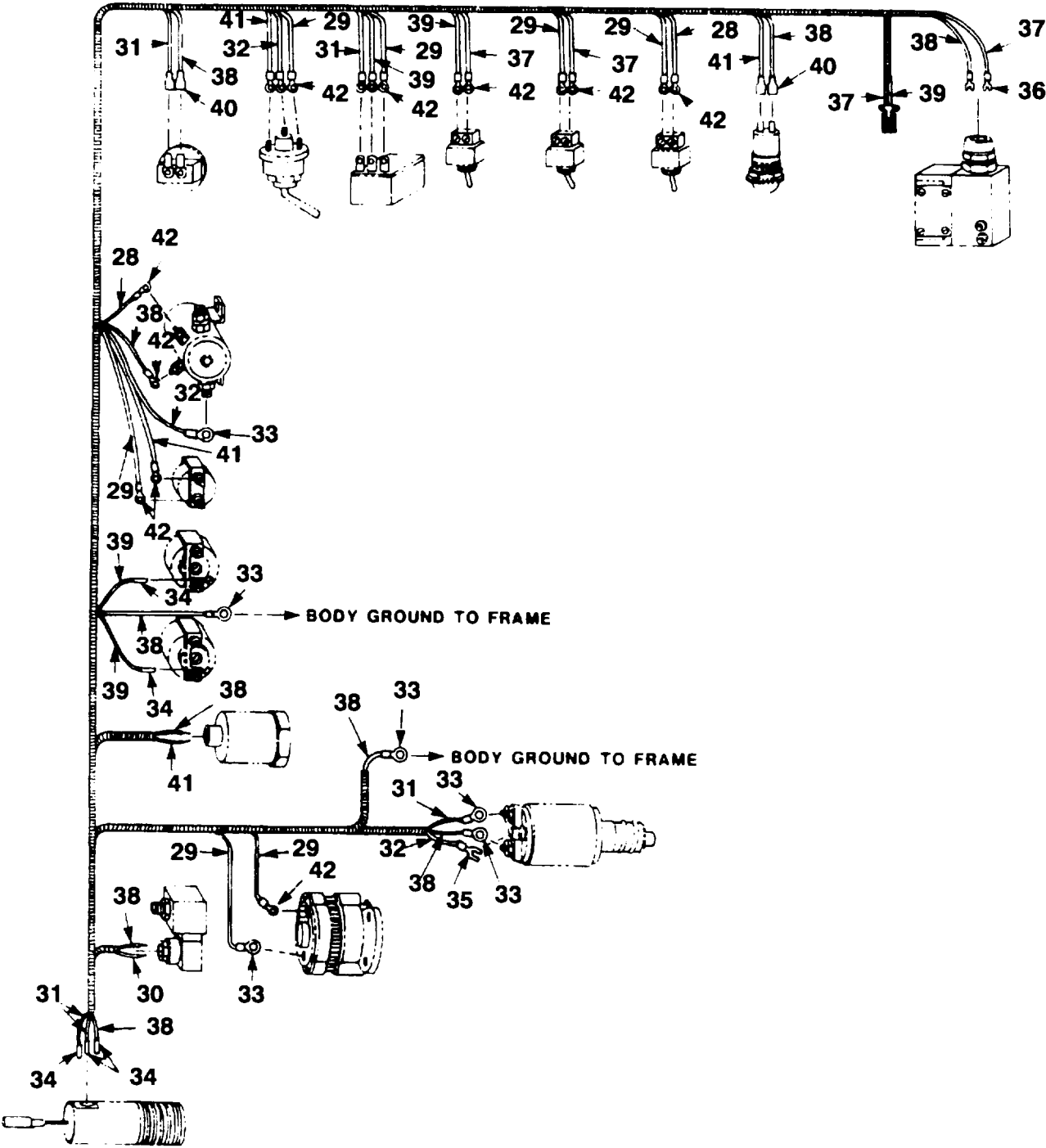


Figure 45. Electrical System (Sheet 2 of 2)

## SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
GROUP 05 ELECTRICAL SYSTEM						
FIG. 45. ELECTRICAL SYSTEM						
1	XDOZZ		57328	PNL-149	.PANEL BACK.....	1
2	XDOZZ		59151	50145	.FUSE HOLDER.....	1
3	XDOZZ		71400	SFE-20	.FUSE 20 AMP.....	1
4	XDHZZ		57328	LBL-0420	.LABEL ID/SHIP.....	1
5	XDHZZ		57328	LBL-0419	.LABEL, OPER INST.....	1
6	XDHZZ		57328	LBL-0418	.LABEL, MAINT SCH.....	1
7	XDHZZ		57328	LBL-0417	.LABEL, FLOW DIAG.....	1
8	XDHZZ		57328	LBL-89	.LABEL, WARNING.....	1
9	XDOZZ		72619	52-0932	.GREEN LENS.....	1
10	XDOZZ		71744	1816	.LAMP 12 VOLT.....	1
11	XDOZO		81349	LH76/3	.LIGHT, INDICATOR.....	1
12	XDOZZ		06383	T25F	.SPIRAL WRAP.....	1
13	MOOZZ		19328	786	.SPLIT LOOM MAKE FROM BULK P/N.....	6
					786, CUT TO 84 INCHES.....	
14	XDOZZ		4T820	P-302-T	.PLUG 2 CONTACT.....	1
15	XDOZZ		4T820	S-302-T	.SOCKET 2 CONTACT.....	1
16	PAOZZ		73168	08-029000-051	.SWITCH, THERMOSTATIC.....	1
17	XDOZZ		89326	96101AA1	.SWITCH, PRESSURE.....	1
18	PAOZZ	5930010439302	28835	404473	.SWITCH, SENSITIVE.....	1
19	PAOZZ	5920002804007	71400	SFE14	.FUSE, CARTRIDGE 32 VOLT.....	1
20	PAOZZ	2920012436460	78174	SS584	.RELAY-SOLENOID, ENGI.....	1
21	MOOOZ	5975013710175	19328	783	.CONDUIT, NONMETALLIC MAKE FROM BULK..	6
					P/N 783, CUT TO 48 INCHES.....	
22	MOOOZ	5975013710176	19328	784	.SPLIT LOOM MAKE FROM BULK P/N 784,.....	7
					CUT TO 11 FEET.....	
23	XDOZZ		57328	51006-S	.HEX BOLT.....	5
24	XDOZZ		57328	55004-S	.WASHER, PLAIN.....	5
25	XDOZZ		57328	56004-S	.WASHER, LOCK.....	5
26	XDOZZ		57328	64001-S	.NUT, "J" TYPE.....	5
27	XDOZZ		57328	70001-S	.RIVET, BLIND DOME HEAD, SIZE 1/8.....	16
					INCH.....	
28	MOOOO		57328	WIR-0040	.WIRE, YELLOW MAKE FROM BULK P/N.....	2
					MW-C16(19)U4, CUT TO 24", YELLOW WIRE	
29	MOOOO		57328	WIR-0010	.WIRE, RED MAKE FROM BULK P/N.....	7
					M16878/2BJE2, CUT TO 97", RED WIRE.....	
30	MOOOO		57328	WIR-0006	.WIRE, BROWN MAKE FROM BULK P/N MW-.....	2
					16(19)U1, CUT TO 52", BROWN WIRE.....	
31	MOOOO		57328	WIR-0001	.WIRE, ORANGE MAKE FROM BULK P/N.....	4
					MW-C16(19)U3, CUT TO 12", ORANGE WIRE....	
32	MOOOO		57328	WIR-0041	.WIRE, BLACK MAKE FROM BULK P/N.....	3
					MW-C16(19)U0, CUT TO 24", BLACK WIRE.....	
33	PAOZZ	5940001133145	98410	B-418-56	.TERMINAL, LUG.....	6
34	PAOZZ	5940013702442	6T332	44F221	.TERMINAL, LUG.....	5
35	PAOZZ	5940005532716	98410	AA-520-02	.TERMINAL, LUG.....	1
36	PAOZZ	5940001434780	96906	MS25036-108	.TERMINAL, LUG.....	2

SECTION II

TM 5-4310-389-24P C02

(1) ITEM NO	(2) SMR CODE	(3) NATIONAL STOCK NO.	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODES (UOC)	(7) QTY
37	MOOOO		57328	WIR-0007	.WIRE, GRAY MAKE FROM BULK P/N..... M16878/2BJE8, CUT TO 50", GREY .....	3
38	MOOOO		57328	WIR-0003	.WIRE, WHITE MAKE FROM BULK P/N .....	10
39	MOOOO		57328	WIR-0039	MW-C16(19)U9 CUT TO 16', WHITE WIRE .....	
40	PAOZZ	5940009260085	98410	BB-2141	.WIRE, BLUE MAKE FROM BULK P/N MW- .....	4
41	MOOOO		57328	WIR-0019	16(19)U6, CUT TO 12', BLUE WIRE .....	
42	PAOZZ	5940001071481	98410	B-437-10	.TERMINAL, QUICK DISC.....	4
					.WIRE, BLACK MAKE FROM BULK P/N .....	4
					M16878/2BLE0, CUT TO 12", BLACK .....	
					.TERMINAL, LUG.....	16

END OF FIGURE

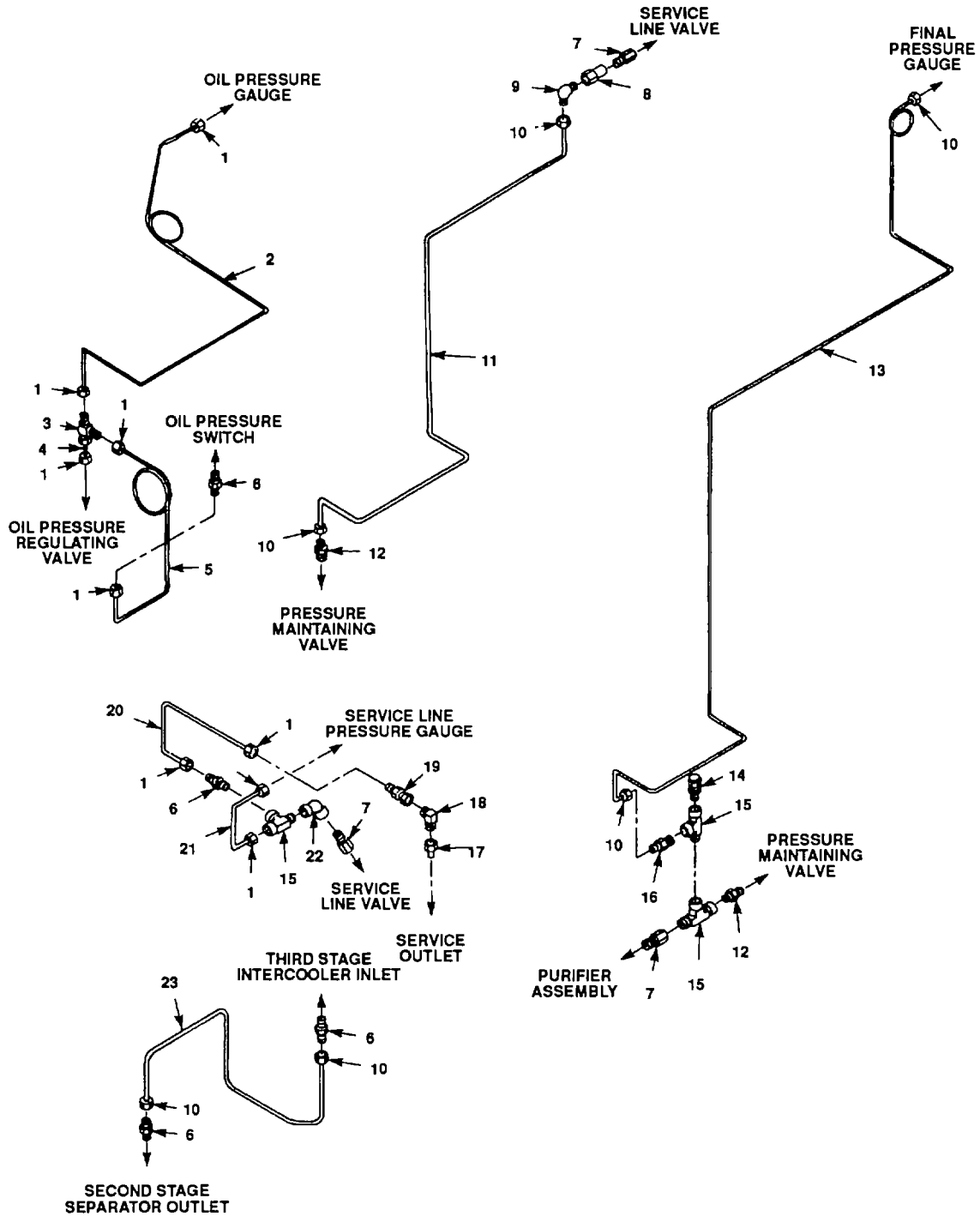


Figure 46. Tubing and Fittings (Sheet 1 of 2)

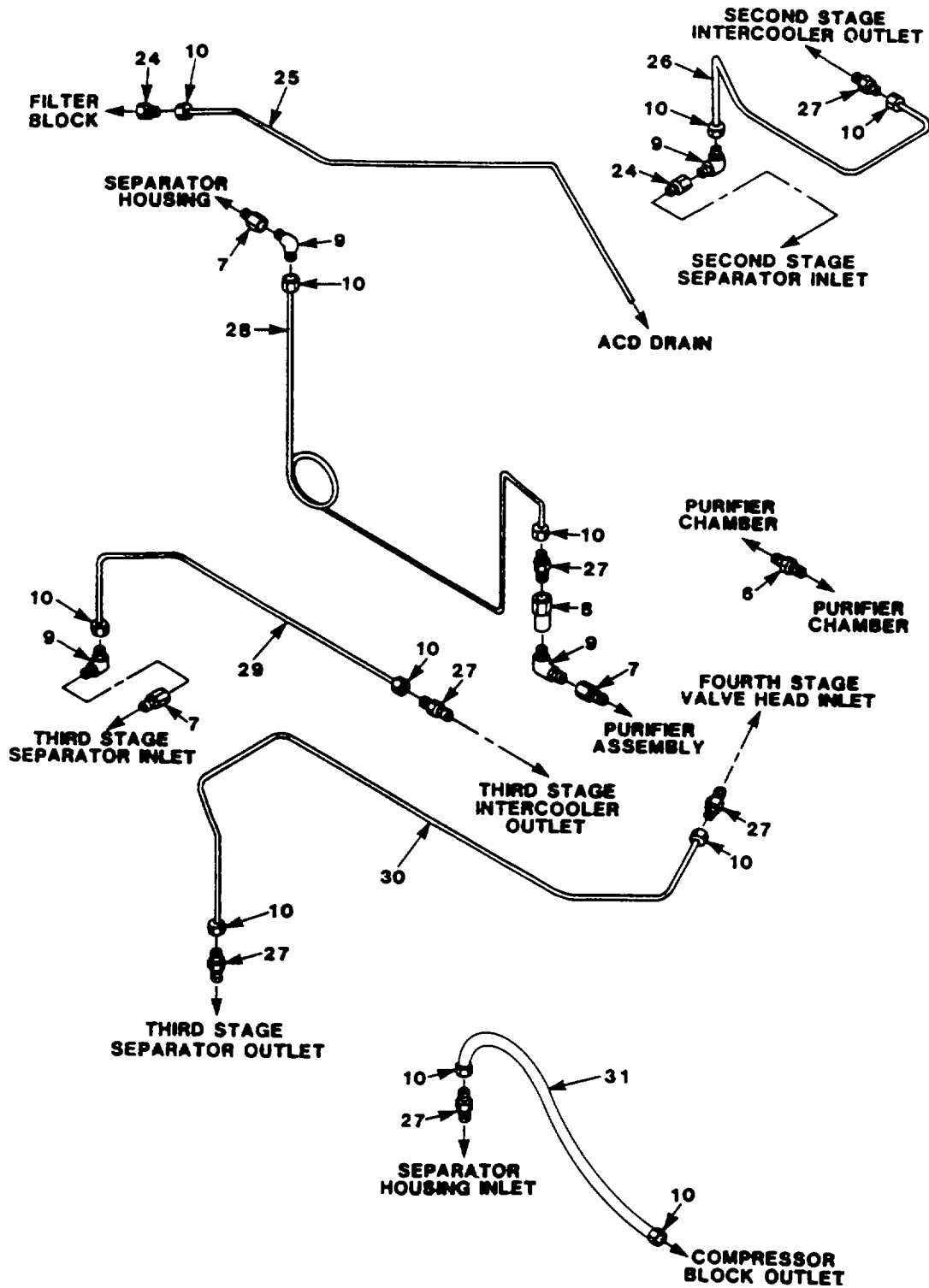


Figure 46. Tubing and Fittings (Sheet 2 of 2)

## SECTION II

TM5-4310-389-24P

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

## GROUP 06 TUBING AND FITTINGS

## FIG. 46 TUBING AND FITTINGS

1	XDFZZ	02570	SS-402-1	NUT .....	8
2	PBFZZ	57328	TUB-82	TUBE ASSEMBLY, METAL .....	1
3	XDFZZ	02570	SS-400-3	TEE, TUBE .....	1
4	PBFZZ	57328	TUB-93	TUBE ASSEMBLY, METAL .....	1
5	PBFZZ	57328	TUB-83	TUBE ASSEMBLY, METAL .....	1
6	XDFZZ	01276	2083-4-4S	NIPPLE, PIPE .....	4
7	XDFZZ	25704	SS-200-1-4	ADAPTER, STRAIGHT, PI .....	5
8	XDFZZ	16166	CVF4MSS	VALVE, CHECK .....	2
9	XDFZZ	11649	SS-4-ST	ELBOW .....	5
10	XDFZZ	11704	202-1	NUT .....	17
11	PBFZZ	57328	TUB-87	TUBE ASSEMBLY, METAL .....	1
12	XDFZZ	01276	2083-2-2S	ADAPTER .....	1
13	PBFZZ	57328	TUB-81	TUBE ASSEMBLY, METAL .....	1
14	XDFZZ	45681	F-50G	ADAPTER .....	10
15	XDFZZ	02570	SS-400-3-4	TEE, PIPE TO TUBE .....	3
16	XDFZZ	11649	SS-4-HN-4RT	NIPPLE, PIPE .....	1
17	XDFZZ	02570	SS-400-1-4	ADAPTER, STRAIGHT, PI .....	1
18	XDFZZ	02570	SS-8MO-2-4	ELBOW, PIPE TO TUBE .....	1
19	XDFZA	02570	SS-400-71-4	ADAPTER, STRAIGHT, PI .....	1
20	PBFZZ	57328	TUB-84	TUBE ASSEMBLY, METAL .....	1
21	PBFZZ	57328	TUB-80	TUBE ASSEMBLY, METAL .....	1
22	XDFZZ	02570	SS-400-9	ELBOW, TUBE .....	1
23	PBFZZ	57328	TUB-91	TUBE ASSEMBLY, METAL .....	1
24	XDFZZ	45681	SAE140139	CONNECTOR .....	
25	PBFZZ	57328	TUB-88	TUBE ASSEMBLY, METAL .....	1
26	PBFZZ	57328	TUB-92	TUBE ASSEMBLY, METAL .....	1
27	XDFZZ	45681	F50F50	UNION .....	4
28	PBFZZ	57328	TUB-86	TUBE ASSEMBLY, METAL .....	1
29	PBFZZ	57328	TUB-89	TUBE ASSEMBLY, METAL .....	1
30	PBFZZ	57328	TUB-90	TUBE ASSEMBLY, METAL .....	1
31	XDFZZ	57328	HOS-0002	HOSE, NONMETALLIC .....	1

END OF FIGURE

## SECTION II

TM5-4310-389-24P

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

## FIG. BULK

1	PAOZZ	19328	786	CONDUIT, NONMETALLIC SIZE ½ INCH, ..... 50 FT ROLL .....	V
2		PAOZZ	19328 783	CONDUIT, NONMETALLIC SIZE 11/32 ..... INCH, 50 FT ROLL.....	V
3	PAOZZ	08132	55-1861-04	HOSE, NONMETALLIC ¼ X 1" BOSTON..... PERFORMER II, 200 PSI, 100 FT ROLL.....	V
4	PAFZZ	01276	1525-4	HOSE, NONMETALLIC ¼" RUBBER HOSE, ..... 25 FT LENGTH .....	V
5	PAFZZ	01276	2556-8	HOSE, NONMETALLIC ½" RUBBER HOSE, ..... 25 FT LENGTH .....	V
6	XDFZZ	08132	55-1861-04	RUBBER HOSE .....	V
7	PAOZZ	19328	78c	SPLIT LOOM SIZE 13/32 INCH, 50 FT ..... ROLL.....	V
8	PAOZZ	81349	M16878/2BJE8	WIRE, ELECTRICAL 16 AWG , TYPE TFFN , ..... GRAY WIRE, MIL-W-76, 250 FT ROLL	V
9	PAOZZ	81349	MW-C16(19)U9	WIRE, ELECTRICAL 16 AWG, TYPE TFFN, ..... WHITE WIRE, MIL-W-76, 250 FT ROLL .....	V
10	PAOZZ	81349	MW- 16(19)U6	WIRE, ELECTRICAL 16 AWG, TYPE TFFN, ..... BLUE WIRE, MIL-W-76, 250 FT ROLL.....	V
11	PAOZZ	81349	M16878/2BLEO	WIRE, ELECTRICAL 12 AWG, TYPE THHN,..... BLACK WIRE, MIL-W-76, 250 FT ROLL .....	V
12	PAOZZ	81349	MW-C16(19)U4	WIRE, ELECTRICAL 16 AWG, TYPE TFFN, ..... YELLOW WIRE, MIL-W-76, 250 FT ROLL.....	V
13	PAOZZ	81349	M16878/2BJE2	WIRE, ELECTRICAL 16 AWG, TYPE TFFN, ..... RED WIRE, MIL-W-76, 250 FT ROLL .....	V
14	PAOZZ	81349	MW- 16(19)U1	WIRE, ELECTRICAL 16 AWG, TYPE TFFN, ..... BROWN WIRE, MIL-W-76, 250 FT ROLL .....	V
15	PAOZZ	81349	MW-C16(19)U3	WIRE, ELECTRICAL 16 AWG, TYPE TFFN, ..... ORANGE WIRE, MIL-W-76, 250 FT ROLL .....	V
16	PAOZZ	81349	MW-C16(19)UO	WIRE, ELECTRICAL 16 AWG, TYPE TFFN, ..... BLACK WIRE, MIL-W-76, 250 FT ROLL .....	V

END OF FIGURE

**BULK-1**



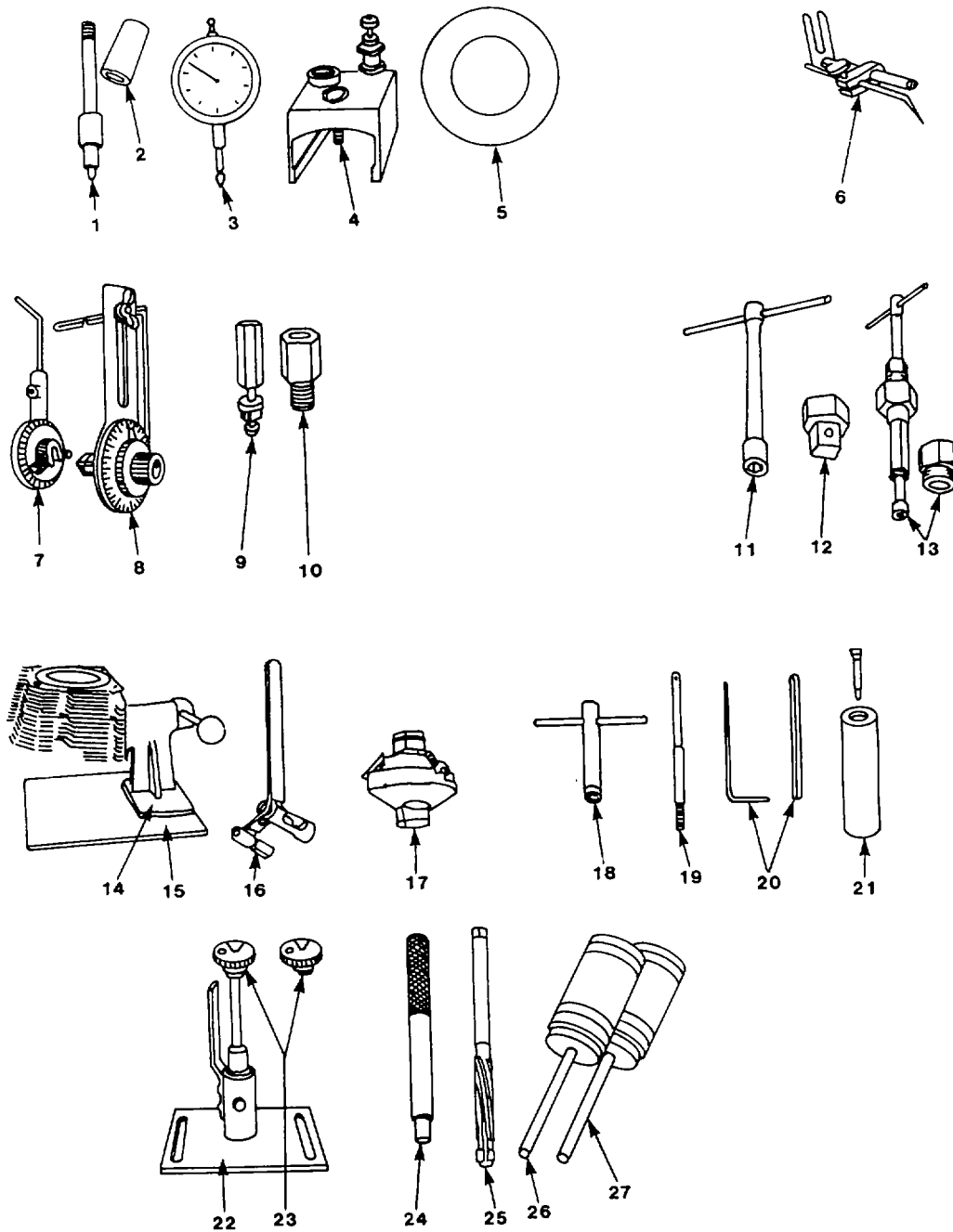


Figure 47. Special Tools (Sheet 1 of 3)

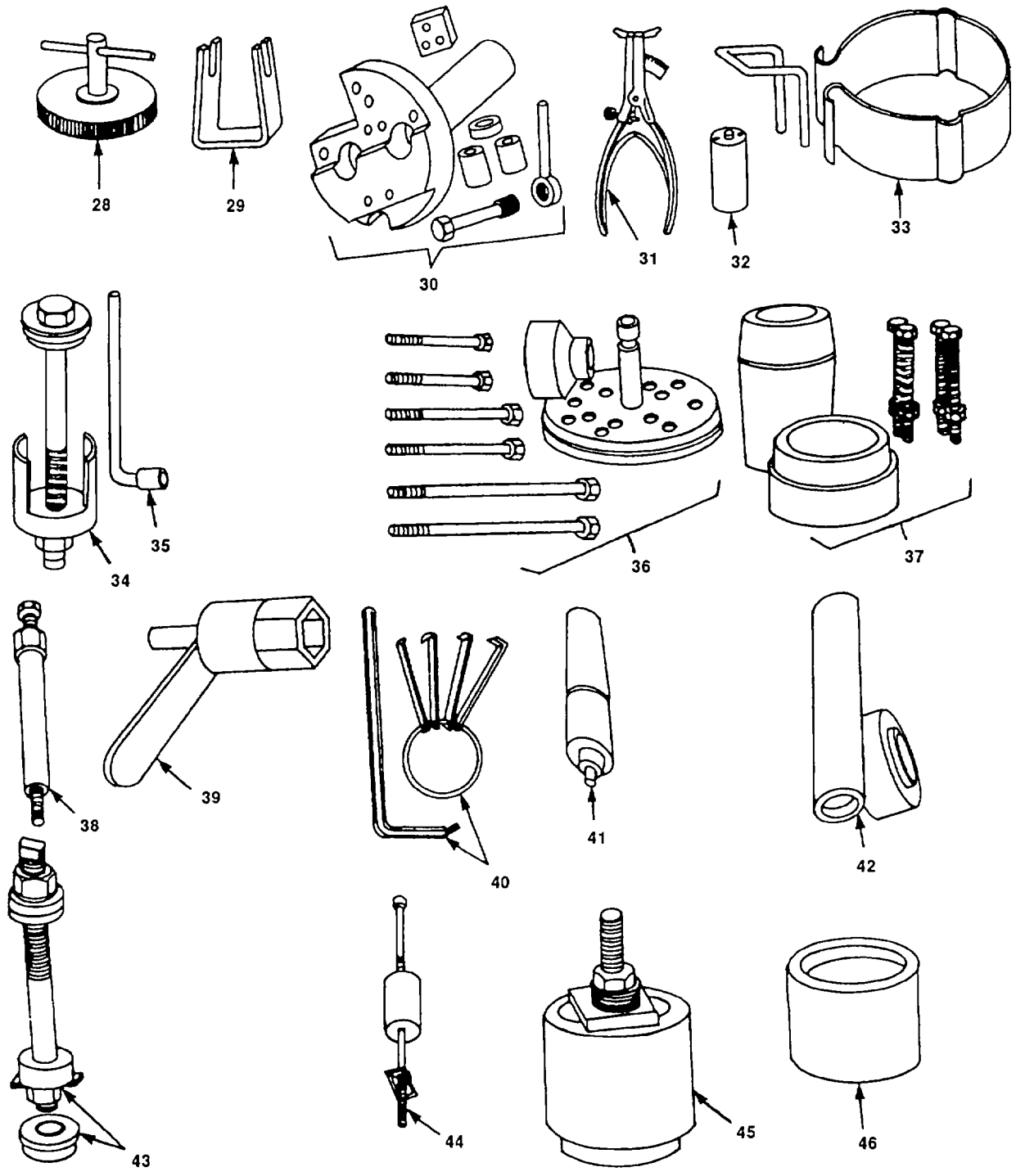


Figure 47. Special Tools (Sheet 2 of 3)

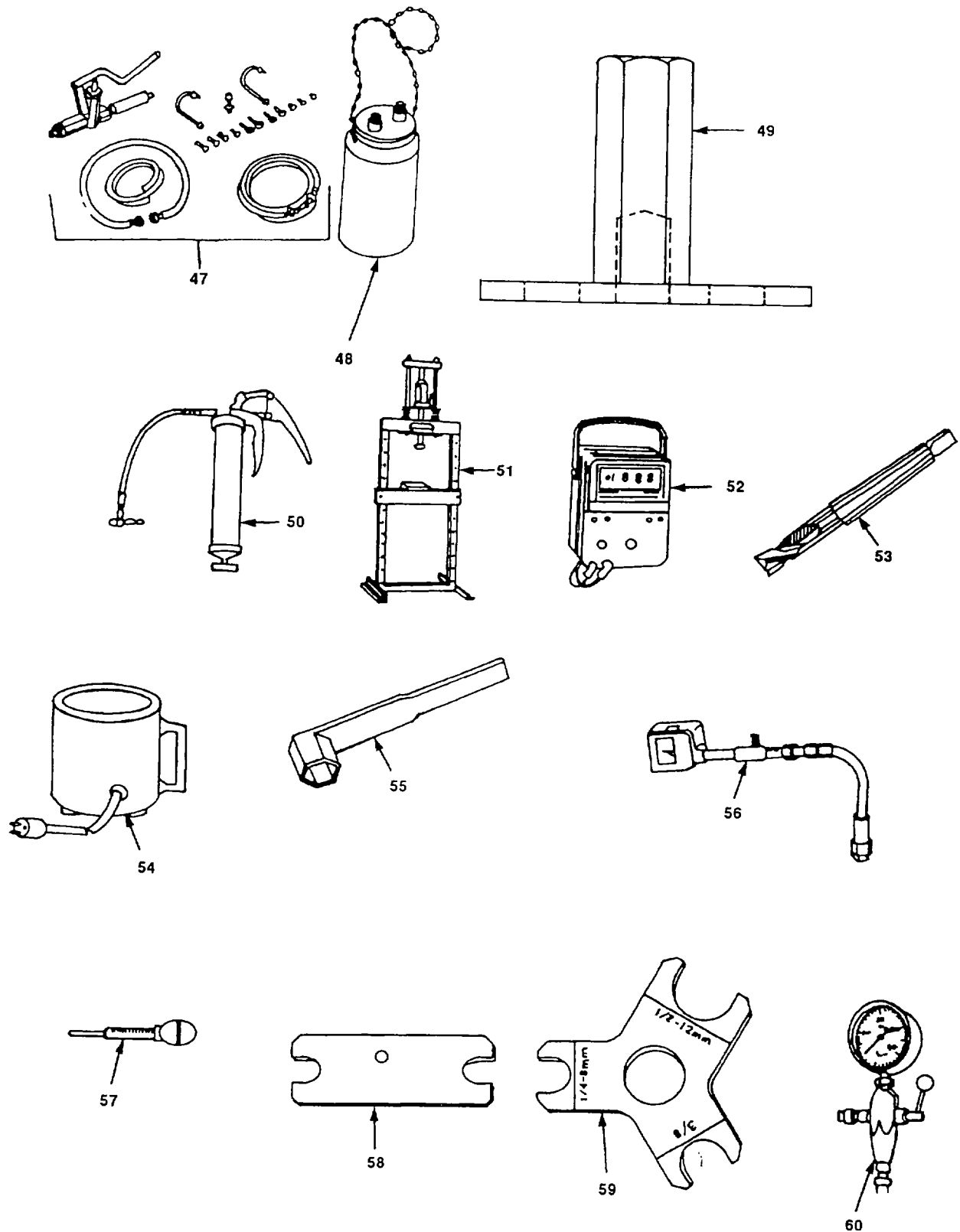


Figure 47. Special Tools (Sheet 3 of 3)

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
SECTION III					
GROUP 08 SPECIAL TOOLS					
FIG. 47 SPECIAL TOOLS					
1	PFFZZ	62445	003-0464	ADAPTER, CYLINDER CO .....	
2	PFFZZ	62445	003-1091	ADAPTER, CYLINDER CO .....	
3	PFFZZ	62445	003-0543	GAGE, DEPTH, DIAL IND.....	
4	PFFZZ	62445	003-0498	JIG, GAGE BLOCK.....	
5	PFFZZ	62445	003-1189	INJECTION PUMP, TIME.....	
6	PFFZZ	62445	003-0678	POINTER.....	
7	PFFZZ	62445	003-0500	INDICATOR, DIAL.....	
8	PFFZZ	62445	003-1102	WRENCH, TORQUE .....	
9	PFFZZ	62445	003-0463	PULLER, MECHANICAL .....	
10	PFFZZ	62445	003-0422	THREADED PIECE .....	
11	PFFZZ	62445	003-0512	WRENCH, SOCKET .....	
12	PFFZZ	62445	003-0511	WRENCH, DRAIN PLUG .....	
13	PFFZZ	62445	003-0434	REMOVAL TOOL, SEAL R.....	
14	PFHZZ	62445	003-0562	STAND, VALVE REMOVIN .....	
15	PFHZZ	62445	003-0794	PLATE, MENDING.....	
16	PFHZZ	62445	003-0504	COMPRESSOR, VALVE SP .....	
17	PFHZZ	36719	003-0784	CUTTER, VALVE SEAT .....	
18	PFHZZ	62445	003-1043	WRENCH, SOCKET .....	
19	PFHZZ	62445	003 0636	PILOT, VALVE SEAT RE .....	
20	PFHZZ	62445	003-0642	KEY SET, SOCKET HEAD.....	
21	PFHZZ	62445	003-1234	MANDREL, VALVE SEAT .....	
22	PFHZZ	62445	003-0649	DRILLING MACHINE, UP .....	
23	PFHZZ	62445	003-0650	PILOT, COUNFERSINK .....	
24	PFHZZ	62445	003-0453	INSERTER AND REMOVE .....	
25	PFHZZ	62445	003-0452	REAMER, HAND.....	
26	PFHZZ	62445	003 0620	MANDREL, EXPANSION .....	
27	PFHZZ	62445	003 0441	MANDREL, EXPANSION .....	
28	PFHZZ	62445	003-0426	CUTTING DEVICE .....	
29	PFFZZ	62445	003-0501	SPRING, TENSION.....	
30	PFHZZ	62445	003-0621	LATHE FIXTURE .....	
31	PFFZZ	62445	003-0496	PLIERS, SPECIAL .....	
32	PFFZZ	62445	003-0438	GAGE, WEAR.....	
33	PFFZZ	62445	003-0430	COMPRESSOR, PISTON R.....	
34	PFFZZ	62445	003-0450	INSERTER, GUDGEON .....	
35	PFFZZ	62445	003-0572	WRENCH, SOCKET .....	
36	PFHZZ	62445	003-0672	PULLER KIT, UNIVERSA.....	
37	PFHZZ	62445	003-0670	TOOL, INSERT .....	
38	PFHZZ	62445	003-0671	TOOL, INSERT .....	
39	PFHZZ	62445	003-0503	WRENCH, HAMMER SPANN .....	
40	PFHZZ	62445	003-2498	INSERTER, SEAL.....	
41	PFHZZ	62445	003-2499	INSERTER, SEAL.....	
42	PFHZZ	62445	003-0733	REMOVER, PREFORMED P .....	
43	PFHZZ	62445	003-0674	PULLER, SPECIAL TOOL.....	
44	PFHZZ	62445	003-0433	INSERTER AND REMOVE .....	
45	PFHZZ	62445	003-0505	MILL TOOL .....	
46	PFFZZ	36719	150800	REMOVAL TOOL.....	
47	PFFZZ	62445	003-0714	PUMP, RECIPROCATING .....	
48	PFFZZ	62445	003-0777	WASTE RECEPACLE, HA.....	

## SECTION III

TM5-4310-389-24P

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
49	PFFZZ	57328	WRH-2	WRENCH, PLUG .....	
50	PFOZZ	77335	99-30-171	LUBRICATING GUN, HAN .....	
51	PFHZZ	16365	3Z915	PRESS, ARBOR, HAND OP .....	
52	PFOZH	89536	27/FM W/ACCE	MULTIMETER .....	
53	PFHZZ	62445	003-0652	REAMER, HAND .....	
54	PFFZZ	62445	003 0414	UNIT, HEATING PISTON .....	
55	PFHZZ	62445	003-0446	TOOL, LOCKING .....	
56	PFFZZ	62445	0301056	METER, SPECIAL SCALE .....	
57	PFOZZ	90660	13142	TESTER, BATTERY ELEC.....	
58	PFOZZ	11704	MS-1G200	GAGE, GAP SETTING.....	
59	PFOZZ	11704	MS-1G468	GAGE, THICKNESS .....	
60	PFFZZ	62445	3202	TESTER, FUEL INJECTO.....	

END OF FIGURE

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**CROSS- REFERENCE-INDEXES**  
**NATIONAL STOCK NUMBER INDEX**

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5940-00-107-1481	45	43	5310-01-194-4865	35	29
5330-00-111-0734	4	30	5310-01-196-3870	28	1
5940-00-113-3145	45	34		30	2
5940-00-143-4780	45	37	3120-01-197-6657	16	2
6145-00-164-7023	BULK	10	5110-01-203-7945	47	25
6145-00-164-7024	BULK	15	3460-01-203-7946	47	27
6145-00-164-7026	BULK	16	3460-01-203-7947	47	26
5330-00-165-1942	6	9	5120-01-203-7948	47	28
	7	9	5120-01-203-7949	47	35
6630-00-171-4467	47	57	5120-01-203-7950	47	42
5920-00-280-4007	45	20	5210-01-204-5068	47	3
6145-00-295-0806	BULK	14	3460-01-204-5069	47	23
4720-00-481-9390	BULK	4	5110-01-204-5070	47	53
5940-00-553-2716	45	36	5120-01-204-5071	47	8
3030-00-569-6366	1	24	5120-01-204-5072	47	11
5330-00-593-3465	4	11	5120-01-204-5073	47	24
6685-00-598-1776	44	8	5330-01-204-9444	8	3
6145-00-635-9382	BULK	12	5355-01-206-6502	47	6
6145-00-725-7091	BULK	13	5120-01-208-6997	47	12
6145-00-725-7097	BULK	8	5930-01-228-3065	44	18
5330-00-793-0453	42	6	6850-01-233-2425	42	7
5330-00-793-0454	42	4	4910-01-233-5035	47	2
5940-00-926-0085	45	41	4910-01-235-5031	47	1
4720-00-933-5878	BULK	5	5310-01-237-2776	35	13
4930-00-965-0288	47	50	5306-01-237-4918	30	1
6145-00-983-5169	BULK	11	5310-01-238-8389	29	2
5330-01-012-8860	37	7	5305-01-238-8436	31	8
5930-01-043-9302	44	17	3120-01-239-2562	24	3
	45	19	5340-01-242-0813	30	4
5330-01-084-5329	2	21	2920-01-243-6460	45	21
6625-01-091-1074	44	6	5210-01-247-6125	47	32
2910-01-108-2442	28	4	5120-01-247-6128	47	33
5330-01-109-7395	28	5	5210-01-247-6129	47	7
5330-01-109-9915	18	12	5120-01-247-6130	47	20
3030-01-124-2755	33	6	5120-01-247-6131	47	9
4820-01-136-2745	46	8	5310-01-250-3742	31	9
4730-01-152-1147	47	10	2910-01-250-3779	25	1
5120-01-167-5726	47	46	2805-01-250-7855	17	2
2910-01-174-1334	24	1	2920-01-250-7862	35	2
4330-01-180-5832	12	4	4910-01-252-0356	47	14
4730-01-186-0557	29	3	5120-01-252-3902	47	18
5120-01-189-3440	47	13	5120-01-252-3904	47	21
5120-01-189-3441	47	29	5120-01-252-6370	47	34
3460-01-189-6886	47	4	5120-01-254-1678	47	54
5310-01-190-7468	20	2	3460-01-254-9637	47	30
5120-01-190-8664	47	55	4910-01-256-0630	47	19
5120-01-191-4500	47	31	5340-01-256-6897	47	15
5120-01-191-4503	47	16	4320-01-263-9680	47	47
5360-01-191-8019	20	4	6625-01-265-6000	47	52
3120-01-192-5794	13	20	4320-01-272-0522	47	48
5310-01-194-4865	35	28			

**CROSS- REFERENCE-INDEXES  
NATIONAL STOCK NUMBER INDEX**

<b>STOCK NUMBER</b>	<b>FIG.</b>	<b>ITEM</b>	<b>STOCK NUMBER</b>	<b>FIG.</b>	<b>ITEM</b>
5120-01-280-0077	47	44			
5120-01-280-2284	47	17			
5210-01-280-3591	47	5			
5120-01-283-8620	47	41			
4310-01-291-8028	1	63			
3110-01-295-3067	27	47			
3110-01-298-0555	33	12			
4440-01-310-6604	42	7			
6645-01-318-1874	44	5			
2805-01-322-5768	11	3			
3450-01-323-5221	47	22			
5180-01-324-2497	47	36			
6625-01-324-3625	47	56			
3110-01-326-2871	2	11			
3120-01-330-8382	39	9			
	39	13			
5977-01-331-3432	39	41			
5961-01-331-3974	39	20			
5330-01-345-7632	5	21			
	6	2			
5330-01-345-7639	5	7			
6685-01-369-9317	44	2			
6685-01-369-9317	44	3			
6685-01-369-9318	44	4			
3110-12-124-0344	3	15			
3110-12-134-6162	2	8			
3110-12-143-7584	2	7			
5330-12-145-1478	3	16			
5330-12-145-1506	2	13			
5330-12-156-4523	2	23			
	4	17			
	8	15			
5310-12-157-9069	4	2			
5330-12-162-0071	5	10			
5330-12-166-3124	3	5			

## NATIONAL STOCK NUMBER AND PART NUMBER INDEX

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
98410	AA-520-02		5940-00-553-2716	45	36
D8286	A10X13-5DIN7603CU			13	30
D8286	A10X15DIN7603AL			4	21
				11	13
D8286	A14X20DIN7603CU		5330-12-156-4523	2	23
				4	17
				5	3
				8	15
				9	30
				43	14
64104	A216003-C		3030-01-124-2755	33	6
D8286	A8-4DIN125ST			1	62
			5310-12-157-9069	4	2
				9	11
				11	5
D8286	A8X14DIN7603-CU			13	13
				36	16
24161	A93		3030-00-569-6366	1	24
98410	B-418-56		5940-00-113-3145	45	34
98410	B-437-10		5940-00-107-1481	45	43
98410	BB-21 41		5940-00-926-0085	45	41
12658	BF-790		2910-01-250-3779	25	1
57328	BOX-9			1	30
57328	BRC-3			37	14
57328	BRK-40			1	18
57328	BRK-41			1	19
78174	B120			1	39
62809	CA27457			1	27
3S708	CMP-0024			1	13
16166	CVF-4MSS			46	8
57328	CVR-1			42	10
57328	CVR-14			1	40
8D824	CVR-15			1	50
57328	DATSP			1	23
15526	DIN625 6300		3110-01-295-3067	27	47
15526	DIN625-6004			27	56
D8286	DIN7603-C8X14-CUAS			11	17
D8286	DIN985-M8-8			4	1
7A013	DZI M1 EX ADP			37	9
57328	ELL-001055			43	2
90660	EXIDE 4-27			1	43
45681	F-50G			46	14
99017	FP-204			1	4
57328	FRM-47			1	2
57328	FRM-48			1	1
57328	FTG-0020			43	41
62445	F2L912			1	58
45681	F50F50			46	27
18265	GAC 00-2019			1	32
57328	GRD-6			1	29



## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
57328	GRD-7			1	28
57328	GRD-8			1	3
77873	H-10			40	39
77873	H-24			40	27
77873	H-9			40	40
57328	HOS-0002			46	31
6A844	IDP1 5/8			1	21
57328	K180			4	
57328	K20	4310-01-291-8028		1	63
57328	LBL-0417			45	7
57328	LBL-0418			45	6
57328	LBL-0419			45	5
57328	LBL-0420			45	4
57328	LBL-413			44	14
57328	LBL-416			44	22
57328	LBL-89			45	8
57328	LBL-90			44	15
57328	LBL-94			44	7
57328	LBL-95			44	12
57328	LBL-96			44	9
57328	LBL-97			1	26
57328	LBL-98			42	12
57328	LBL-99			42	12
81349	LH76/3			45	11
11704	MS-1G200			47	58
11704	MS-1G468			47	59
96906	MS25036-108	5940-00-143-4780		45	37
57328	MTS-10			1	42
57328	MTS-11			1	51
57328	MTS-12			1	5
57328	MTS-13			1	16
81349	MW- 16(19)U1	6145-00-295-0806		BULK	14
81349	MW- 16(19)U6	6145-00-164-7023		BULK	10
81349	MW-C16(19)U0	6145-00-164-7026		BULK	16
81349	MW-C16(19)U3	6145-00-164-7024		BULK	15
81349	MW-C16(19)U4	6145-00-635-9382		BULK	12
81349	MW-C16(19)U9			BULK	9
2X949	M10-68			1	38
57328	M15424			4	9
81349	M16878/2BJE2	6145-00-725-7091		BULK	13
81349	M16878/2BJE8	6145-00-725-7097		BULK	8
81349	M16878/2BLE0	6145-00-983-5169		BULK	11
08286	M8X30DIN912-8-8			3	34
				9	7
				9	23
81349	M83248-1-216	5330-00-165-1942		6	9
				7	9
57328	NPN			4	12
				9	
				11	
				18	

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
OEDY1	NPN			39	38
				41	
				43	31
				43	62
57328	NUT-0003			3	11
57328	N100			10	9
57328	N102			3	19
				9	16
57328	N1042			9	17
57328	N1059			11	8
57328	N108			1	60
				2	26
				3	25
				9	6
				10	3
57328	N110			9	21
57328	N111			11	7
57328	N1310			10	7
57328	N1313			3	22
57328	N1346			43	16
57328	N1363			2	28
57328	N1443			43	25
D9135	N1461			4	13
57328	N15039			43	28
57328	N15067			2	12
57328	N15072			9	33
57328	N15098			2	35
57328	N1510			2	15
57328	N15106			2	16
57328	N15121			4	16
57328	N15133			43	53
57328	N15253			7	6
57328	N15273			6	6
57328	N15274			6	7
				7	7
57328	N15400			8	14
57328	N15401			5	20
				6	3
57328	N15412			2	10
57328	N15413			9	35
57328	N15414			9	8
57328	N15712			43	12
57328	N1594			43	52
57328	N16			5	5
				6	12
				7	12
57328	N16100			43	60
57328	N16313			4	23
57328	N170			2	30
57328	N17462			4	28
57328	N176			2	32

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
57328	N176			10	6
57328	N1776			43	72
57328	N1856			7	4
57328	N198			10	2
57328	N210			3	23
57328	N2128			3	33
57328	N2144			9	24
57328	N215			4	15
57328	N2447			3	12
57328	N2460			3	26
57328	N2460-655			10	13
57328	N2485			5	17
57328	N2621			4	4
57328	N2720			43	63
57328	N2741			5	2
57328	N2768			11	21
				43	38
57328	N2874			3	35
D9135	N2907			4	14
57328	N2913			3	31
57328	N2917			5	14
57328	N293			2	33
				3	13
		5330-01-345-7632		5	21
				6	2
				7	2
57328	N2969			11	16
57328	N2975			5	9
57328	N3028			12	3
57328	N3030			12	2
57328	N3031			12	7
57328	N3032			12	6
57328	N3033			12	5
57328	N3068			43	32
57328	N309			5	1
57328	N3252			9	18
57328	N3407			11	10
				43	61
57328	N3459			4	20
57328	N3474			6	13
				7	13
57328	N3494			9	19
57328	N3504			9	32
				43	34
57328	N354			8	1
57328	N3591			9	29
57328	N3608			8	18
57328	N3609			8	17
57328	N3618			9	36
57328	N370			3	2
				9	12

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
57328	N3703		3110-01-326-2871	2	11
57328	N3707			3	6
57328	N3811			43	51
57328	N3909			9	34
57328	N3984			43	40
57328	N4069			6	4
				7	3
57328	N4085		5330-01-345-7639	5	7
57328	N4102			5	12
57328	N4140			11	26
				43	37
57328	N4141			43	33
57328	N4149			5	13
57328	N4177			43	64
57328	N4178			43	69
57328	N4190			6	11
				7	11
57328	N4261			3	9
57328	N4262			43	21
57328	N4322			3	10
57328	N4366			2	25
D9135	N4378			4	27
57328	N4467			2	2
57328	N4499			43	24
57328	N4530			11	27
				43	36
57328	N4566			43	46
57328	N4570			43	15
57328	N4571			43	13
57328	N4605			5	11
57328	N4636			43	17
57328	N4642			4	5
57328	N4840			3	7
57328	N50			3	3
57328	N503			2	29
				6	14
				7	14
				9	20
57328	N52			43	47
57328	N53			3	20
				10	8
57328	N542			10	12
57328	N57			1	61
				2	27
				9	5
				43	26
57328	N60			43	58
57328	N61			3	24
				9	13
				11	4
				43	48

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
57328	N62			43	59
57328	N644			5	4
57328	N654			2	18
57328	N700			5	15
57328	N7063			4	19
57328	N7091			11	11
				43	7
57328	N724			9	14
				9	31
57328	N7394			9	37
57328	N7722			43	11
57328	N781			11	18
57328	N83	2805-01-322-5768		11	3
57328	N84			11	15
57328	N85			3	4
57328	N859			43	10
				43	70
57328	N86			3	18
57328	N89			1	59
57328	N9339			2	31
4T820	P-302-CCT			45	14
57328	PIN-0009			4	25
57328	PIN-007			4	7
57328	PLT-0109			8	6
57328	PLT-0110			8	10
57328	PLT-0111			8	11
57328	PLY-0003			3	30
57328	PN 1008383			13	11
57328	PNL-148			44	1
57328	PNL-149			45	1
7D107	P1120			1	36
7D107	P4006-1420			1	37
88136	Q613A-1			1	52
81518	RED-0066			1	34
57328	RNG-0075			4	6
57328	RNG-0076			4	24
57328	RNG-0077			8	7
57328	RNG-0078			8	8
57328	RNG-66			42	3
57328	RNG-68			42	5
57328	RNG-74			43	39
60532	RNG67	5330-00-793-0454		42	4
60532	RNG69	5330-00-793-0453		42	6
4T820	S-302-CCT			45	15
01276	SAE 140239			1	15
45681	SAE140139			46	24
8D709	SDS X 1-7/16"			40	57
57328	SEL-0032			8	9
71400	SFE-20			45	3
71400	SFE14	5920-00-280-4007		45	20
57328	SPG-0018			8	5

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
57328	SPR-7			1	7
57328	SPR-8			1	6
25704	SS-200-1-4			46	7
11649	SS-4-HN-4RT			46	16
11G49	SS-4-ST			46	9
02570	SS-400-1-4			46	17
02570	SS-400-3			46	3
02570	SS-400-3-4			46	15
7570	S8-400-71-4			46	19
02570	SS-400-9			46	22
02570	SS-402-1			46	1
11649	SS-6-RBST-4			43	54
02570	SS-8M0-2-4			46	18
11649	SS4ME			43	55
78174	SS584	2920-01-243-6460		45	21
9R868	STR-0011			1	17
77873	T-20			40	5
77873	T-3			40	4
57328	TEE-002355			43	4
57328	TUB-80			46	21
57328	TUB-81			46	13
57328	TUB-82			46	2
57328	TUB-83			46	5
57328	TUB-84			46	20
57328	TUB-86			46	28
57328	TUB-87			46	11
57328	TUB-88			46	25
57328	TUB-89			46	29
57328	TUB-90			46	30
57328	TUB-91			46	23
57328	TUB-92			46	26
57328	TUB-93			46	4
2X949	TYPE V-S-9			44	10
57328	TYPE-D3			40	56
2X949	TYPE-W			44	11
06383	T25F			45	12
				45	17
57328	WIR-0001			45	32
57328	WIR-0003			45	39
57328	WIR-0006			45	31
57328	WIR-0007			45	38
57328	WIR-0010			45	30
57328	WIR-0019			45	42
57328	WIR-0039			45	40
57328	WIR-0040			45	29
57328	WIR-0041			45	33
57328	WRH-2			47	49
62445	003 0414	5120-01-254-1678		47	54
62445	003 0441	3460-01-203-7946		47	27
62445	003 0620	3460-01-203-7947		47	26

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
62445	003 0636		4910-01-256-0630	47	19
62445	003-0422		4730-01-152-1147	47	10
62445	003-0426		5120-01-203-7948	47	28
62445	003-0430		5120-01-247-6128	47	33
62445	003-0433		5120-01-280-0077	47	44
62445	003-0434		5120-01-189-3440	47	13
62445	003-0438		5210-01-247-6125	47	32
62445	003-0446		5120-01-190-8664	47	55
62445	003-0450		5120-01-252-6370	47	34
62445	003-0452		5110-01-203-7945	47	25
62445	003-0453		5120-01-204-5073	47	24
62445	003-0463		5120-01-247-6131	47	9
62445	003-0464		4910-01-235-5031	47	1
62445	003-0496		5120-01-191-4500	47	31
62445	003-0498		3460-01-189-6886	47	4
62445	003-0500		5210-01-247-6129	47	7
62445	003-0501		5120-01-189-3441	47	29
62445	003-0503			47	39
62445	003-0504		5120-01-191-4503	47	16
62445	003-0505			47	45
62445	003-0511		5120-01-208-6997	47	12
62445	003-0512		5120-01-204-5072	47	11
62445	003-0543		5210-01-204-5068	47	3
62445	003-0562		4910-01-252-0356	47	14
62445	003-0572		51.20-01-203-7949	47	35
62445	003-0621		3460-01-254-9637	47	30
62445	003-0642		5120-01-247-6130	47	20
62445	003-0649		3450-01-323-5221	47	22
62445	003-0650		3460-01-204-5069	47	23
62445	003-0652		5110-01-204-5070	47	53
62445	003-0670			47	37
62445	003-0671			47	38
62445	003-0672		5180-01-324-2497	47	36
62445	003-0674			47	43
62445	003-0674		5355-01-206-6502	47	6
62445	003-0714		4320-01-263-9680	47	47
62445	003-0733		5120-01-203-7950	47	42
62445	003-0777		4320-01-272-0522	47	48
36719	003-0784		5120-01-280-2284	47	17
62445	003-0794		5340-01-256-6897	47	15
62445	003-1043		5120-01-252-3902	47	18
62445	003-1091		4910-01-233-5035	47	2
62445	003-1102		5120-01-204-5071	47	8
62445	003-1189		5210-01-280-3591	47	5
62445	003-1234		5120-01-252-3904	47	21
62445	003-2498			47	40
62445	003-2499		5120-01-283-8620	47	41
57328	003063			43	43
62445	0100-7910			13	45
57328	010255-340			9	27
62445	0110-1405			33	4

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CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
62445	0110-1697			27	54
62445	0110-1975			27	15
62445	0110-2140			27	82
62445	0110-2193			13	40
62445	0110-2659			18	16
				20	8
				35	4
62445	0110-2796			26	8
62445	0110-2797			34	13
62445	0110-2799			13	47
				32	4
62445	0110-2800			35	3
62445	0110-2801			32	2
62445	0110-2958			33	1
62445	0110-3782			33	5
62445	0110-5107			13	18
62445	0110-5191			19	7
62445	0110-5526			35	32
62445	0110-5692			35	9
62445	0110-7089			36	11
62445	0110-7095			28	2
				30	3
				34	17
				36	25
62445	0110-7101			13	7
				18	2
				23	3
				27	22
				34	5
				36	20
62445	0110-7102			37	6
62445	0110-7105			13	34
62445	0110-7281			19	4
62445	0110-7602			22	7
62445	0110-7711			34	8
62445	0110-7719			27	44
62445	0110-7721			18	7
62445	0110-7821			17	7
62445	0110-7834			33	11
62445	0110-9581			35	10
62445	0110-9610			19	10
62445	0111-0183			37	8
62445	0111-0190			32	7
62445	0111-0259			18	19
62445	0111-0422			13	16
62445	0111-0423			13	28
62445	0111-0546			27	1
62445	0111-0560			19	S
62445	0111-0577			19	9
62445	0111-0981			36	2
62445	0111-1595			33	9



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CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
62445	0111-2201			26	2
62445	0111-2202			26	10
62445	0111-2232			34	10
62445	0111-2240			34	15
62445	0111-2258			34	12
				34	18
62445	0111-2264			36	8
62445	0111-2309			13	8
62445	0111-2311			15	16
62445	0111-2322			13	46
				36	15
62445	0111-2324			13	43
62445	0111-2333			19	15
				37	4
62445	0111-2338			13	14
62445	0111-2341			18	1
62445	0111-2349			27	62
62445	0111-2350			34	4
				36	22
62445	0111-2505			32	1
62445	0111-2799			27	31
62445	0111-2803			26	9
62445	0111-2813			20	13
				35	35
				36	28
62445	0111-2824			18	26
				27	32
				32	3
				37	2
62445	0111-2858			33	17
62445	0111-3148			20	12
				20	20
62445	0111-3196			27	5
62445	0111-3217			15	5
62445	0111-3316			36	5
62445	0111-3350			28	3
62445	0111-3409			27	66
62445	0111-3412			27	30
62445	0111-3476			20	16
62445	0111-5312			18	11
62445	0111-5334			27	19
62445	0111-5416			18	9
62445	0111-5418			27	13
62445	0111-5423			18	13
62445	0111-5433			13	10
62445	0111-5434			27	68
62445	0111-5447			13	4
62445	0111-5454			27	37
62445	0111-8045			15	11
62445	0111-8049			15	10
62445	0111-8641			27	2

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CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
62445	0111-8646			30	8
62445	0111-8647			13	2
				19	16
				27	78
62445	0111-8669			22	3
62445	0111-8688			13	27
				27	80
62445	0111-8997			13	29
62445	0111-9220			30	11
62445	0111-9230			30	9
62445	0111-9611			13	1
62445	0112-0870			32	5
62445	0112-2393			34	1
62445	0112-3698			13	3
62445	0112-3727			22	2
62445	0112-3749			36	6
62445	0112-4753			18	27
62445	0112-5533			28	7
62445	0112-6748			35	14
62445	0113-6990			13	24
62445	0113-7283			15	2
57328	011523-340			43	42
62445	0116-0681			19	11
62445	0116-1260			27	8
62445	0116-2412			13	35
62445	0116-3205			13	15
				13	36
62445	0116-4414			35	
62445	0116-5748			27	9
62445	0116-5783			13	33
62445	0116-5797			13	25
62445	0116-5822			27	84
62445	0116-5975			13	32
62445	0116-5983			18	10
62445	0116-5987			27	18
62445	0116-6024			23	4
62445	0116-7010			15	9
62445	0116-7153			27	23
62445	0116-7269			27	73
62445	0116-8817			18	20
62445	0117-0151			31	6
62445	0117-0580			15	8
62445	0117-0642			30	5
62445	0117-2481			27	61
62445	0117-3438			27	10
62445	0117-4336			17	5
62445	0117-6107			17	4
62445	0117-7826			17	3
62445	0121-0035			31	10
62445	0121-0090			30	6
62445	0121-1010			27	50

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CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
62445	0121-2538			27	81
62445	0121-5500			18	24
62445	0121-5850			34	1
62445	0121-6002			15	14
62445	0121-6065			27	7
62445	0121-6075			33	2
62445	0121-6080			20	9
62445	0121-6107			13	23
62445	0121-6119			15	3
62445	0121-6240			13	39
62445	0121-6492			30	10
62445	0121-6498			21	3
62445	0121-6510			21	2
62445	0121-6736			26	7
62445	0123-6291			27	77
62445	0124-2558			29	1
57328	012563-650			2	22
57328	0125695-650			3	28
62445	0126-0049			28	9
62445	0126-0051			28	8
62445	0126-0780			28	6
62445	0126-5439			31	3
57328	012885-340			43	30
62445	0129 8480			24	2
62445	0129-9119			35	6
77873	0130-6394			40	44
62445	0130-7218			35	12
62445	0130-8142			35	16
62445	0130-8144			35	24
62445	0130-8145			35	25
62445	0130-8149			35	23
62445	0130-8151			35	31
62445	0130-8799			35	8
62445	0130-8802			35	17
62445	0130-8812			35	11
62445	0130-9463			35	1
77873	0132-0161			40	55
77873	0132-0166			40	46
77873	0132-0171			40	31
77873	0132-0175			40	25
77873	0132-0183			40	22
77873	0132-0185			40	18
77873	0132-0188			40	13
77873	0132-0194			40	14
77873	0132-0199			40	36
77873	0132-0207			40	6
77873	0132-0208			40	8
77873	0132-0210			40	43
62445	0132-0468			37	11
57328	014882-100			10	1
62445	0150-10			19	

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CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
62445	0150-11-5005867			20	
62445	0150-21-5014505			26	
62445	0150-40			34	
62465	0150-41			37	
77373	0200-7295			40	7
77873	0200-3062			40	19
77873	0200-4536			40	37
77873	0200-4688			40	41
77873	0200-4i46			40	54
77873	0200-5854			40	47
77873	0200-5897			40	26
77873	0200-6252			40	15
77873	0200-6425			40	38
77873	0200-6773			40	29
77873	0200-7228			40	35
77873	0200-7359			40	17
77873	0200-7360			40	33
77873	0200-7961			40	11
77873	0200-9556			40	49
77873	02003573			40	48
77873	02004274			40	1
77873	02004467			40	9
77873	02004788			40	51
77873	02004802			40	23
77873	02005894			40	52
77873	02006092			40	2
77873	02006710			40	32
77873	02007437			40	30
77873	02007438			40	16
77873	02007954			40	12
62445	02013-6435			15	6
77873	02033761			40	3
77873	0206-0843			40	10
77873	0209-4552			40	24
77873	0209-4688			40	53
62445	0210-1681			18	31
62445	0210-2787			31	5
62445	0210-3634			37	3
62445	0212-6078			26	3
62445	0213-1029			18	23
62445	0213-1084			15	12
62445	0213-3265			20	21
57328	0213-3270			18	8
62445	0213-3271			18	5
62445	0213-3272			18	14
62445	0213-3274			18	6
62445	0213-3365			19	13
62445	0213-3430			33	13
62445	0213-3441			33	14
62445	0213-3985			20	6
62445	0213-6014			27	83

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CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
7A013	0213-6431M			19	8
62445	0213-6541			33	10
62445	0213-6596			18	28
62445	0213-7096			18	30
62445	0213-7256			14	2
62445	0213-7421			27	69
62445	0213-7422			27	63
62445	0213-7580			18	18
62445	0213-7591			18	17
62445	0213-7644			27	36
62445	0213-8002			30	7
62445	0213-8192			13	21
62445	0213-9278			33	16
62445	0213-9579			27	40
62445	0213-9668			20	19
62445	0213-9710			27	
62445	0216-0308			31	11
62445	0216-0361			31	7
62445	0216-0904			15	13
62445	0216-9870			33	3
62445	0218-7981			27	21
62445	0219-4123			27	67
62445	0219-4147			27	16
62445	0219-4163			27	60
62445	0219-4164			27	25
62445	0219-4165			27	12
62445	0219-4166			27	34
62445	0219-4167			27	29
62445	0219-4169			27	52
62445	0219-4171			27	14
62445	0219-4172			27	20
62445	0219-4175			27	11
62445	0219-4247			27	72
62445	0219-4336			27	79
62445	0219-4387			27	65
62445	0219-4388			27	64
62445	0219-4393			27	46
62445	0219-4396			27	55
62445	0219-4403			27	6
62445	0219-4416			27	43
62445	0219-4426			27	49
62445	0219-4427			27	48
62445	0219-6079			27	8
62445	0219-6120			27	42
62445	0219-6132			27	35
62445	0223-1442			27	38
62445	0223-1454			19	14
62445	0223-1924			14	1
62445	0223-1955			34	19
62445	0223-1967			34	14
62445	0223-1972			19	3

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CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
62445	0223-2685			15	4
62445	0223-2692			13	6
62445	0223-2860			19	1
62445	0223-2864			13	1
62445	0223-2963			14	2
62445	0223-3069			33	15
62445	0223-3086			24	5
62445	0223-4784			18	4
62445	0223-5520			16	3
62445	0223-6578			20	18
62445	0223-7661			20	10
62445	0223-7665			20	17
62445	0223-7987			22	1
62445	0223-7988			22	4
62445	0223-7989			22	5
62445	0223-7990			22	6
62445	0223-7991			22	8
62445	0223-7992			22	9
62445	0223-9331			14	2
62445	0223-9584			13	42
OEDY1	0224-1733			39	3
62445	0224-3575			36	10
62445	0224-3576			36	18
62445	0224-3578			36	19
62445	0224-3579			36	24
62445	0224-3634			36	7
62445	0224-3850			15	15
62445	0224-3954			36	1
62445	0224-3985			66	13
62445	0224-3986			36	12
62445	0224-3987			36	14
62445	0224-5002			36	23
62445	0224-5003			36	26
62445	0224-5004			36	21
62445	0224-5020			36	27
62445	0224-5403			36	17
62445	0224-7444			27	57
77873	0232-3276			40	34
62445	0233-6736			20	11
77873	0290-2998			40	50
77873	0290-3122			40	42
62445	0295-5193			35	33
62445	0298-5062			35	5
62445	0298-5189			35	15
77873	0300-7551			40	20
77873	0300-8805			40	45
77873	0300-9494			40	28
77873	03009494			40	21
62445	0301056	6625-01-324-3625		47	56
62445	0331-2840			34	2
				36	3

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CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
62445	0331-2840			36	9
62445	0331-3152			27	33
62445	0331-3294			27	71
62445	0331-6466			37	5
62445	0332-1000			34	6
62445	0336-2279			13	22
62445	0336-2502			13	31
62445	0336-5861			20	7
62445	0336-9305			18	22
62445	0337-1220			13	26
62445	0337-1269			13	44
62445	0337-1274			13	48
62445	0337-1352			13	9
62445	0337-1379			13	38
62445	0337-1410			13	5
62445	0337-1413			13	12
62445	0337-1587			16	4
62445	0337-1660			17	6
62445	0337-1666			18	32
62445	0337-1748			18	21
62445	0337-1786			19	2
62445	0337-1796			19	12
62445	0337-1806			19	6
62445	0337-1845			20	14
62445	0337-1867			20	15
62445	0337-1887			20	3
62445	0337-1888			20	5
62445	0337-1914			22	10
62445	0337-2069			27	75
62445	0337-2269			26	4
62445	0337-2332			31	2
62445	0337-2350			31	12
62445	0337-2390			33	8
62445	0337-2420			34	7
62445	0337-2422			34	9
62445	0337-2427			34	3
62445	0337-2441			26	5
62445	0337-9683			27	3
62445	0337-9751			27	74
62445	0346-9975			13	37
62445	0347-0015			21	1
62445	0347-0020			23	1
62445	0347-0021			23	5
62445	0347-0025			21	4
62445	0347-0027			26	6
62445	0347-0081			34	20
62445	0347-0082			34	16
62445	0347-0777			27	27
62445	0347-0779			27	70
62445	0347-0780			27	24
62445	0347-0784			27	51

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CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
62445	0347-0786			27	45
62445	0347-0789			27	41
62445	0347-0793			27	28
62445	0347-0794			27	28
62445	0347-0795			27	28
62445	0347-0797			27	26
62445	0347-0804			27	53
62445	0347-0812			27	59
62445	0347-0815			27	58
62445	0347-0826			27	17
62445	0347-0829			27	39
62445	0347-4835			15	7
62445	0415-0264			14	2
62445	0415-0450			16	1
62445	0415-2591			15	1
62445	0415-2627			18	15
62445	0415-3190			19	17
62445	0415-4513			26	1
				26	11
62445	0415-4891			17	1
62445	0415-6099			24	4
62445	0415-6635			32	8
77873	0415844			40	
57328	056372-400			12	1
57328	056686-342			43	73
57328	058053-342			43	57
57328	058138-341			11	9
57328	058825-410	4440-01-310-6604		42	7
57328	058827	6850-01-233-2425		42	7
57328	059230-342			43	56
57328	060128-010			2	24
57328	060354-430			43	49
57328	060709-620			10	14
57328	060757-650			2	17
57328	061050-50			4	31
57328	061056-070			6	
57328	061057-070			7	
57328	061058-070			8	
57328	061181-070			5	
57328	064153-080			8	4
57328	064449-500			9	4
57328	064450-500			9	1
81495	071 308 36			23	2
73168	08-029000-051			45	16
24975	101-206	5961-01-331-3974		39	20
OEDY1	101-207			39	19
68505	103-55	5977-01-331-3432		39	41
OEDY1	103-56			39	?7
OEDY1	105-259			39	42
OEDY1	107-21			39	5
OEDY1	107-8			39	6



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CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
74059	11TS15-2			44	19
91929	11TS15-6		5930-01-228-3065	44	18
91929	11TS15-8			44	20
62445	110 2801		5310-01-250-3742	31	9
62445	110-7283		5310-01-237-2776	35	13
62445	111 8737			27	4
25184	111-19357			43	66
68505	111-21		3120-01-330-8382	39	9
				39	13
62445	111-2240		5306-01-237-4918	30	1
62445	111-2529		5305-01-238-8436	31	8
62445	111-2813		5310-01-196-3870	28	1
				30	2
OEDY1	111-64			39	16
62445	111-8688		5310-01-238-8389	29	2
09135	11111-0-001338		5330-01-084-5329	2	21
57328	11111-0-003029		4330-01-180-5832	12	4
62445	1118760			18	29
62445	1119246		4730-01-186-0557	29	3
OEDY1	112-22			39	14
OEDY1	112-66			39	12
OEDY1	113-55			39	15
OEDY1	114-213			39	17
OEDY1	114-214			39	28
OEDY1	114-215			39	8
OEDY1	115-4			39	46
OEDY1	115-62			39	29
OEDY1	115-79			39	34
62445	116-1469		5340-01-242-0813	30	4
OEDY1	116-86			39	40
62445	1174602		3110-01-298-0555	33	12
OEDY1	120-109			39	22
OEDY1	120-113			39	31
OEDY1	120-120			39	24
OEDY1	120-121			39	21
OEDY1	120-136			39	1
OEDY1	120-137			39	2
OEDY1	120-148			39	26
OEDY1	120-152			39	7
OEDY1	120-221			39	33
OEDY1	120-234			39	36
				39	43
OEDY1	120-252			39	35
OEDY1	120-254			39	32
OEDY1	120-334			39	39
OEDY1	120-335			39	25
OEDY1	120-336			39	18
OEDY1	120-339			39	44
OEDY1	120-342			39	23
OEDY1	120-345			39	4
OEDY1	120-347			39	10

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
OEDY1	120-348			39	37
OEDY1	120-68			39	30
OEDY1	120-7			39	11
57328	12293-410			42	11
62445	123-6290			27	76
57328	12382-650			3	21
D9135	12386-090	5330-12-166-3124		3	5
57328	12400-650			3	29
57328	12401-650			3	32
57328	12402-872			3	36
57328	12445-650			3	27
36719	1260140	2910-01-108-2442		28	4
57328	12785-430			43	20
57328	12786-430			43	18
57328	129-0715			1	54
62445	130 7768	2920-01-250-7862		35	2
62445	130 8148			35	22
57328	130-4824			1	53
62445	130-8152			35	19
				35	20
				35	27
		5310-01-194-4865		35	28
				35	29
				35	30
53203	130109			38	6
62445	1308147			35	18
90660	13142	6630-00-171-4467		47	57
18876	13142983-1/23			18	3
57328	13560-650			2	20
62445	14MMX25MM			37	13
09523	1433-643376-3	5330-00-111-0734		4	30
57328	14834-120			10	5
D9135	149A090	5330-12-145-1478		3	16
57328	1492-310			2	3
				10	4
36719	150800	5120-01-167-5726		47	46
01276	1525-4			1	8
		4720-00-481-9390		BULK	4
71744	1816			45	10
OEDY1	1985445			39	45
53867	2-000-301-019			35	7
53867	2-000-301-024			35	21
53867	2-005-854-094			35	26
02697	2-039N674-70	5330-00-593-3465		4	11
02697	2-121V709-90	5330-01-204-9444		8	3
03479	20-P7-150			44	13
03479	20-T-8133	6685-00-598-1776		44	8
71286	20L01-3-1AA			1	41
53203	20011			38	1
57328	2010-90			11	6
62445	2016-7102			35	34

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
11704	202-1			46	10
01276	2083-2-25			46	12
01276	2083-4-4S			46	6
AQUAE	211			41	1
53203	21199			38	3
AQUAE	212			41	5
AQUAE	213			41	3
62445	213-7306			18	34
62445	213-7568	3120-01-239-2562		24	3
36719	2137302			18	35
62445	2137750			16	5
AQUAE	214			41	6
53203	220423			38	4
36719	223 0704			32	6
62445	223-2528			18	25
62445	223-3085	2910-01-174-1334		24	1
36719	223-4450	5330-01-109-7395		28	5
62445	2230170			13	19
36719	2230216			18	33
62445	2232840	5310-01-190-7468		20	2
36719	2233066			33	
				33	7
62445	224 6968			37	1
01276	2556-8			1	12
		4720-00-933-5878		BULK	5
19328	257383			1	48
19328	257563			1	49
57328	2622-340			11	22
57328	2623-640			11	23
89536	27/FM W/ACCE	6625-01-265-6000		47	52
88136	2963-7001			1	51
16365	3Z915			47	51
53203	300017			38	5
53203	300179			38	2
57328	3015B-640			43	19
77326	31-608			44	16
57328	3177-090			2	6
62445	3202			47	60
AQUAE	324-10			41	2
AQUAE	324-11			41	2
AQUAE	324-12			41	13
AQUAE	324-7			41	9
AQUAE	324-8			41	7
AQUAE	324-9			41	4
57328	331-2840			1	55
57328	331-4976			1	57
62445	335-7641			31	4
62445	336-2379	3120-01-192-5794		13	20
62445	337-1692	5330-01-109-9915		18	12
62445	337-1876	5360-01-191-8019		20	4
62445	337-2829			36	4

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
62445	3371612		3120-01-197-6657	16	2
36719	3371689		5330-01-012-8860	37	7
62445	3371885			20	1
3S708	350-004			1	9
D9135	3733-090		5330-12-145-1506	2	13
71176	4D2FP			1	22
28835	404473		5930-01-043-9302	44	17
				45	19
62445	41-001			37	12
62445	415-4893		2805-01-250-7855	17	2
62445	4153631			18	37
62445	4153697			18	36
57328	420-2261/97			43	
6T332	44F221			45	35
70655	4428			1	46
57328	4479-090			43	44
57328	4704-650			3	14
45681	4738-6-6B			1	10
96606	501-8400			37	10
59151	50145			45	2
74821	5032			1	33
AQUAE	509-1			41	8
AQUAE	510-1			41	10
57328	51002-S			1	56
57328	51003-S			44	27
57328	51006-S			45	24
AQUAE	511			41	11
72619	52-0932			45	9
72619	52-5710-0991-30			44	21
39428	5290K23			1	35
D9135	5298A090		5330-12-162-0071	5	10
57328	53003-S			44	26
57328	53004-S			44	29
57328	5348-030			3	17
08132	55-1861-04			1	20
				BULK	3
				BULK	6
57328	55003-S			44	25
57328	55004-S			44	28
				45	25
57328	55056-500			9	3
19328	55121			1	47
19328	55121A			1	45
57328	55425-655			10	10
57328	55460-110			10	11
57328	56004-S			45	26
57328	56183-080			6	8
				7	8
57328	56217-342			43	71
57328	56221-342			43	74
57328	56301-635			11	12

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
57328	56302-635			11	14
57328	56535-000			2	1
57328	56668-090			6	5
				7	5
57328	56687-342			43	68
57328	56690-342			43	67
57328	57132-341			11	19
57328	57628-342			43	65
57328	57788-635			8	16
57328	57797-410			43	22
				43	35
57328	57803-410			43	45
57328	58033-410			43	1
57328	58102-341			11	25
57328	58119-341			11	20
57328	58120-000			3	1
57328	58121-341			11	24
57328	58156-410			43	23
57328	58220-S			44	24
57328	59199-410			43	29
57328	59201-410			43	50
57328	59223-635			43	8
57328	59308-410			43	9
57328	59309-410			43	6
57328	59326-635			3	8
57328	59784-030			2	14
76558	6.0492.01.0.1215			13	17
57328	6MM TUBE			43	3
				43	5
57328	60087-050			4	26
57328	60149-650			11	1
57328	60150-650			11	2
57328	60233-080			5	8
57328	60530-070			8	13
57328	60533-060			4	29
57328	60534-070			8	12
57328	60537-080			8	2
57328	60572-060			4	10
57328	60583-070			6	1
				7	1
57328	60694-500			9	9
57328	60695-872			9	10
57328	60716-872			9	25
57328	60717-635			9	26
57328	60738-500			9	15
57328	60751-872			9	22
57328	60785-030			2	5
57328	60991-070			5	18
57328	61035-080			5	6
57328	61041-080			5	16
57328	61043-635			2	34

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
57328	61054-650			2	9
57328	61062-500			9	2
57328	61063-500			9	38
57328	61068-000			2	4
57328	61078-410			42	2
57328	61082-410			42	1
57328	61179-060			4	3
57328	61180-050			4	8
57328	61183-090			5	19
D2456	6204		3110-12-124-0344	3	15
57328	62047-410			42	8
45681	625-HBL-4-2			1	14
57328	62820-410			42	9
57328	62924-080			6	10
				7	10
D2456	6307C3		3110-12-143-7584	2	7
D2456	6308 3		3110-12-134-6162	2	8
57328	64001-S			45	27
57328	64952A-868			43	27
57328	67057-060			4	22
57328	67061-060			4	18
57328	70001-S			44	23
				45	28
19328	783			45	22
				BULK	2
19328	784			45	23
				BULK	7
19328	786			45	13
				BULK	1
OEDY1	8EA2018NA			39	
18034	8MO-2-8RT			1	11
74400	80001		6645-01-318-1874	44	5
57733	82202		6625-01-091-1074	44	6
57328	8263-090			9	28
19328	900125			1	44
53203	90153			38	
61049	9318259		6685-01-369-9318	44	4
61049	9318291		6685-01-369-9317	44	2
			85-01-369-9317	44	3
70655	9384			1	25
89326	96101 AA1			45	18
57328	9825-872			2	19
77335	99-30-171			47	50

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
BULK	1		19328	786
BULK	2		19328	783
BULK	3		08132	55-1861-04
BULK	4	4720-00-481-9390	01276	1525-4
BULK	5	4720-00-933-5878	01276	2556-8
BULK	6		08132	55-1861-04
BULK	7		19328	784
BULK	8	6145-00-725-7097	81349	M16878/2BJE8
BULK	9		81349	MW-C16(19)U9
BULK	10	6145-00-164-7023	81349	MW- 16(19)U6
BULK	11	6145-00-983-5169	81349	M16878/2BLEO
BULK	12	6145-00-635-9382	81349	MW-C16(19)U4
BULK	13	6145-00-725-7091	81349	M16878/2BJE2
BULK	14	6145-00-295-0806	81349	MW- 16(19)U1
BULK	15	6145-00-164-7024	81349	MW-C16(19)U3
BULK	16	6145-00-164-7026	81349	MW-C16(19)UO
1	1		57328	FRM-48
1	2		57328	FRM-47
1	3		57328	GRD-8
1	4		99017	FP-204
1	5		57328	MTS-12
1	6		57328	SPR-8
1	7		57328	SPR-7
1	8		01276	1525-4
1	9		3S708	350-004
1	10		45681	4738-6-6B
1	11		18034	8MO-2-8RT
1	12		01276	2556-8
1	13		3S708	CMP-0024
1	14		45681	625-HBL-4-2
1	15		01276	SAE 140239
1	16		57328	MTS-13
1	17		9R868	STR-0011
1	18		57328	BRK-40
1	19		57328	BRK-41
1	20		08132	55-1861-04
1	21		6A844	IDP1 5/8
1	22		71176	4D2FP
1	23		57328	DATSP
1	24	3030-00-569-6366	24161	A93
1	25		70655	9384
1	26		57328	LBL-97
1	27		62809	CA27457
1	28		57328	GRD-7
1	29		57328	GRD-6
1	30		57328	BOX-9
1	31		57328	MTS-11
1	32		18265	GAC 00-2019
1	33		74821	5032
1	34		81518	RED-0066
1	35		39428	5290K23

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
1	36		7D107	P1120
1	37		7D107	P4006-1420
1	38		2X949	M10-68
1	39		78174	B120
1	40		57328	CVR-14
1	41		71286	20L01-3-1AA
1	42		57328	MTS-10
1	43		90660	EXIDE 4-27
1	44		19328	900125
1	45		19328	55121A
1	46		70655	4428
1	47		19328	55121
1	48		19328	257383
1	49		19328	257563
1	50		8D824	CVR-15
1	51		88136	2963-7001
1	52		88136	Q613A-1
1	53		57328	130-4824
1	54		57328	129-0715
1	55		57328	331-2840
1	56		57328	51002-S
1	57		57328	331-4976
1	58		62445	F2L912
1	59		57328	N89
1	60		57328	N108
1	61		57328	N57
1	62		D8286	A8-4DIN125ST
1	63	4310-01-291-8028	57328	K20
2	1		57328	56535-000
2	2		57328	N4467
2	3		57328	1492-310
2	4		57328	61068-000
2	5		57328	60785-030
2	6		57328	3177-090
2	7	3110-12-143-7584	D2456	6307C3
2	8	3110-12-134-6162	D2456	6308 3
2	9		57328	61054-650
2	10		57328	N15412
2	11	3110-01-326-2871	57328	N3703
2	12		57328	N15067
2	13	5330-12-145-1506	D9135	3733-090
2	14		57328	59784-030
2	15		57328	N1510
2	16		57328	N15106
2	17		57328	060757-650
2	18		57328	N654
2	19		57328	9825-872
2	20		57328	13560-650
2	21	5330-01-084-5329	09135	11111-0-001338
2	22		57328	012563-650
2	23	5330-12-156-4523	D8286	A14X20DIN7603CU



## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
2	24		57328	060128-010
2	25		57328	N4366
2	26		57328	N108
2	27		57328	N57
2	28		57328	N1363
2	29		57323	N503
2	30		57328	N170
2	31		57328	N9339
2	32		57328	N176
2	33		57328	N293
2	34		57328	61043-635
2	35		57328	N15098
3	1		57328	58120-000
3	2		57328	N370
3	3		57328	N50
3	4		57328	N85
3	5	5330-12-166-3124	D9135	12386-090
3	6		57328	N3707
3	7		57328	N4840
3	8		57328	59326-635
3	9		57328	N4261
3	10		57328	N4322
3	11		57328	NUT-0003
3	12		57328	N2447
3	13		57328	N293
3	14		57328	4704-650
3	15	3110-12-124-0344	D2456	6204
3	16	5330-12-145-1478	D9135	149A090
3	17		57328	5348-030
3	18		57328	N86
3	19		57328	N102
3	20		57328	N53
3	21		57328	12382-650
3	22		57328	N1313
3	23		57328	N210
3	24		57328	N61
3	25		57328	N108
3	26		57328	N2460
3	27		57328	12445-650
3	28		57328	0125695-650
3	29		57328	12400-650
3	30		57328	PLY-0003
3	31		57328	N2913
3	32		57328	12401-650
3	33		57328	N2128
3	34		D8286	M8X30DIN912-8-8
3	35		57328	N2874
3	36		57328	12402-872
4			57328	K180
4	1		D8286	DIN985-M8-8
4	2	5310-12-157-9069	D8286	A8-4DIN125ST

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
4	3		57328	61179-060
4	4		57328	N2621
4	5		57328	N4642
4	6		57328	RNG-0075
4	7		57328	PIN-007
4	8		57328	61180-050
4	9		57328	M15424
4	10		57328	60572-060
4	11	5330-00-593-3465	02697	2-039N674-70
4	12		57328	NPN
4	13		D9135	N1461
4	14		D9135	N2907
4	15		57328	N215
4	16		57328	N15121
4	17	5330-12-156-4523	D8286	A14X20DIN7603CU
4	18		57323	67061-060
4	19		57328	N7063
4	20		57328	N3459
4	21		D8286	AIOX15DIN7603AL
4	22		57328	67057-060
4	23		57328	N16313
4	24		57328	RNG-0076
4	25		57328	PIN-0009
4	26		57328	60087-050
4	27		D9135	N4378
4	28		57328	N17462
4	29		57328	60533-060
4	30	5330-00-111-0734	09523	1433-643376-3
4	31		57328	061050-50
5			57328	061181-070
5	1		57328	N309
5	2		57328	N2741
5	3		D8286	A14X20DIN7603CU
5	4		57328	N644
5	5		57328	N16
5	6		57328	61035-080
5	7	5330-01-345-7639	57328	N4085
5	8		57328	60233-080
5	9		57328	N2975
5	10	5330-12-162-0071	D9135	5298A090
5	11		57328	N4605
5	12		57328	N4102
5	13		57328	N4149
5	14		57328	N2917
5	15		57328	N700
5	16		57328	61041-080
5	17		57328	N2485
5	18		57328	60991-070
5	19		57328	61183-090
5	20		57328	N15401
5	21	5330-01-345-7632	57328	N293

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
6			57328	061056-070
6	1		57328	60583-070
6	2	5330-01-345-7632	57328	N293
6	3		57328	N15401
6	4		57328	N4069
6	5		57328	56668-090
6	6		57328	N15273
6	7		57328	N15274
6	8		57328	56183-080
6	9	5330-00-165-1942	81349	M83248-1-216
6	10		57328	62924-080
6	11		57328	N4190
6	12		57328	N16
6	13		57328	N3474
6	14		57328	N503
7			57328	061057-070
7	1		57328	60583-070
7	2		57328	N293
7	3		57328	N4069
7	4		57328	N1856
7	5		57328	56668-090
7	6		57328	N15253
7	7		57328	N15274
7	8		57328	56183-080
7	9	5330-00-165-1942	81349	M83248-1-216
7	10		5,528	62'24-080
7	11		57328	N4190
7	12		57328	N16
7	13		57328	N3474
7	14		57328	N503
8			57328	061058-070
8	1		57328	N354
8	2		57328	60537-080
8	3	5330-01-204-9444	02697	2-121V709-90
8	4		57328	064153-080
8	5		57328	SPG-0018
8	6		57328	PLT-0109
8	7		57328	RNG-0077
8	8		57328	RNG-0078
8	9		57328	SEL-0032
8	10		57328	PLT-0110
8	11		57328	PLT-0111
8	12		57328	60534-07
8	13		57328	60530-070
8	14		57328	N15400
8	15	5330-12-156-4523	D8286	A14X20DIN7603CU
8	16		57328	57788-635
8	17		57328	N3609
8	18		57328	N3608
9			57328	NPN
9	1		57328	064450-500

## CROSS REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX  
STOCK NUMBER

FIG.	ITEM	CAGEC	PART NUMBER
9	2	57328	61062-500
9	3	57328	55056-500
9	4	57328	064449-500
9	5	57328	N57
9	6	57328	N108
9	7	D8286	M8X30DIN912-8-8
9	8	57328	N15414
9	9	57328	60694-500
9	10	57328	60695-872
9	11	D8286	A8-4DIN125ST
9	12	57328	N370
9	13	57328	N61
9	14	57328	N724
9	15	57328	60738-500
9	16	57328	N102
9	17	57328	N1042
9	18	57328	N3252
9	19	57328	N3494
9	20	57328	N503
9	21	57328	N110
9	22	57328	60751-872
9	23	D8286	M8X30DIN912-8-8
9	24	57328	N2144
9	25	57328	60716-872
9	26	57328	60717-635
9	27	57328	010255-340
9	28	57328	8263-090
9	29	57328	N3591
9	30	D8286	A14X20DIN7603CU
9	31	57328	N724
9	32	57328	N3504
9	33	57328	N15072
9	34	57328	N3909
9	35	57328	N15413
9	36	57328	N3618
9	37	57328	N7394
9	38	57328	61063-500
10	1	57328	014882-100
10	2	57328	N198
10	3	57328	N108
10	4	57328	1492-310
10	5	57328	14834-120
10	6	57328	N176
10	7	57328	N1310
10	8	57328	N53
10	9	57328	N100
10	10	57328	55425-655
10	11	57328	55460-110
10	12	57328	N542
10	13	57328	N2460-655
10	14	57328	060709-620

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
11			57328	NPN
11	1		57328	60149-650
11	2		57328	60150-650
11	3	2805-01-322-5768	57328	N83
11	4		57328	N61
11	5		D8286	A8-4DIN125ST
11	6		57328	2010-90
11	7		57328	N1111
11	8		57328	N1059
11	9		57328	058138-341
11	10		57328	N3407
11	11		57328	N7091
11	12		57328	56301-635
11	13		D8286	A10X15DIN7603AL
11	14		57328	56302-635
11	15		57328	N84
11	16		57328	N2969
11	17		D8286	DIN7603-C8X14-CU AS
11	18		57328	N781
11	19		57328	57132-341
11	20		57328	58119-341
11	21		57328	N2768
11	22		57328	2622-340
11	23		57328	2623-640
11	24		57328	58121-341
11	25		57328	58102-341
11	26		57328	N4140
11	27		57328	N4530
12	1		57328	056372-400
12	2		57328	N3030
12	3		57328	N3028
12	4	4330-01-180-5832	57328	11111-0-003029
12	5		57328	N3033
12	6		57328	N3032
12	7		57328	N3031
13	1		62445	0223-2864
13	2		62445	0111-8647
13	3		62445	0112-3698
13	4		62445	0111-5447
13	5		62445	0337-1410
13	6		62445	0223-2692
13	7		62445	0110-7101
13	8		62445	0111-2309
13	9		62445	0337-1352
13	10		62445	0111-5433
13	11		57328	PN 1008383
13	12		62445	0337-1413
13	13		D8286	A8X14DIN7603-CU
13	14		62445	0111-2338
13	15		62445	0116-3205

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
13	16		62445	0111-0422
13	17		76558	6.0492.01.0.1215
13	18		62445	0110-5107
13	19		62445	2230170
13	20	3120-01-192-5794	62445	336-2379
13	21		62445	0213-8192
13	22		62445	0336-2279
13	23		62445	0121-6107
13	24		62445	0113-6990
13	25		62445	0116-5797
13	26		62445	0337-1220
13	27		62445	0111-8688
13	28		62445	0111-0423
13	29		62445	0111-8997
13	30		D8286	A100X13-5DIN7603C U
13	31		62445	0336-2502
13	32		62445	0116-5975
13	33		62445	0116-5783
13	34		62445	0110-7105
13	35		62445	0116-2412
13	36		62445	0116-3205
13	37		62445	0346-9975
13	38		62445	0337-1379
13	39		62445	0121-6240
13	40		62445	0110-2193
13	41		62445	0111-9611
13	42		62445	0223-9584
13	43		62445	0111-2324
13	44		62445	0337-1269
13	45		62445	0100-7910
13	46		62445	0111-2322
13	47		62445	0110-2799
13	48		62445	0337-1274
14	1		62445	0223-1924
14	2		62445	0213-7256
14	2		62445	0223-2963
14	2		62445	0223-9331
14	2		62445	0415-0264
15	1		62445	0415-2591
15	2		62445	0113-7283
15	3		62445	0121-6119
15	4		62445	0223-2685
15	5		62445	0111-3217
15	6		62445	02013-6435
15	7		62445	0347-4835
15	8		62445	0117-0580
15	9		62445	0116-7010
15	10		62445	0111-8049
15	11		62445	0111-8045
15	12		62445	0213-1084

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
15	13		62445	0216-0904
15	14		62445	0121-6002
15	15		62445	0224-3850
15	16		62445	0111-2311
16	1		62445	0415-0450
16	2	3120-01-197-6657	62445	3371612
16	3		62445	0223-5520
16	4		62445	0337-1587
16	5		62445	2137750
17	1		62445	0415-4891
17	2	2805-01-250-7855	62445	415-4893
17	3		62445	0117-7826
17	4		62445	0117-6107
17	5		62445	0117-4336
17	6		62445	0337-1660
17	7		62445	0110-7821
18			62445	NPN
18	1		62445	0111-2341
18	2		62445	0110-7101
18	3		18876	13142983-1/23
18	4		62445	0223-4784
18	5		62445	0213-3271
18	6		62445	0213-3274
18	7		62445	0110-7721
18	8		57328	0213-3270
18	9		62445	0111-5416
18	10		62445	0116-5983
18	11		62445	0111-5312
18	12	5330-01-109-9915	62445	337-1692
18	13		62445	0111-5423
18	14		62445	0213-3272
18	15		62445	0415-2627
18	16		62445	0110-2659
18	17		62445	0213-7591
18	18		62445	0213-7580
18	19		62445	0111-0259
18	20		62445	0116-8817
18	21		62445	0337-1748
18	22		62445	0336-9305
18	23		62445	0213-1029
18	24		62445	0121-5500
18	25		62445	223-2528
18	26		62445	0111-2824
18	27		62445	0112-4753
18	28		62445	0213-6596
18	29		62445	1118760
18	30		62445	0213-7096
18	31		62445	0210-1681
18	32		62445	0337-1666
18	33		36719	2230216
18	34		62445	213-7306

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
18	35		36719	2137302
18	36		62445	4153697
18	37		62445	4153631
19			62445	0150-10
19	1		62445	0223-2860
19	2		62445	0337-1786
19	3		62445	0223-1972
19	4		62445	0110-7281
19	5		62445	0111-0560
19	6		62445	0337-1806
19	7		62445	0110-5191
19	8		7A013	0213-6431M
19	9		62445	0111-0577
19	10		62445	0110-9610
19	11		62445	0116-0681
19	12		62445	0337-1796
19	13		62445	0213-3365
19	14		62445	0223-1454
19	15		62445	0111-2333
19	16		62445	0111-8647
19	17		62445	0415-3190
20			62445	0150-11-5005867
20	1		62445	3371885
20	2	5310-01-190-7468	62445	2232840
20	3		62445	0337-1887
20	4	5360-01-191-8019	62445	337-1876
20	5		62445	0337-1888
20	6		62445	0213-3985
20	7		62445	0336-5861
20	8		62445	0110-2659
20	9		62445	0121-6080
20	10		62445	0223-7661
20	11		62445	0233-6736
20	12		62445	0111-3148
20	13		62445	0111-2813
20	14		62445	0337-1845
20	15		62445	0337-1867
20	16		62445	0111-3476
20	17		62445	0223-7665
20	18		62445	0223-6578
20	19		62445	0213-9668
20	20		62445	0111-3148
20	21		62445	0213-3265
21	1		62445	0347-0015
21	2		62445	0121-6510
21	3		62445	0121-6498
21	4		62445	0347-0025
22	1		62445	0223-7987
22	2		62445	0112-3727
22	3		62445	0111-8669
22	4		62445	0223-7988



## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
22	5		62445	0223-7989
22	6		62445	0223-7990
22	7		62445	0110-7602
22	8		62445	0223-7991
22	9		62445	0223-7992
22	10		62445	0337-1914
23	1		62445	0347-0020
23	2		81495	071 308 36
23	3		62445	0110-7101
23	4		62445	0116-6024
23	5		62445	0347-0021
24	1	2910-01-174-1334	62445	223-3085
24	2		62445	0129 8480
24	3	3120-01-239-2562	62445	213-7568
24	4		62445	0415-6099
24	5		62445	0223-3086
25	1	2910-01-250-3779	12658	BF-790
26			62445	0150-21-5014505
26	1		62445	0415-4513
26	2		62445	0111-2201
26	3		62445	0212-6078
26	4		62445	0337-2269
26	5		62445	0337-2441
26	6		62445	0347-0027
26	7		62445	0121-6736
26	8		62445	0110-2796
26	9		62445	0111-2803
26	10		62445	0111-2202
26	11		62445	0415-4513
27			62445	0213-9710
27	1		62445	0111-0546
27	2		62445	0111-8641
27	3		62445	0337-9683
27	4		62445	111 8737
27	5		62445	0111-3196
27	6		62445	0219-4403
27	7		62445	0121-6065
27	8		62445	0116-1260
27	9		62445	0116-574
27	10		62445	0117-3438
27	11		62445	0219-4175
27	12		62445	0219-4165
27	13		62445	0111-5418
27	14		62445	0219-4171
27	15		62445	0110-1975
27	16		62445	0219-4147
27	17		62445	0347-0826
27	18		62445	0116-5987
27	19		62445	0111-5334
27	20		62445	0219-4172
27	21		62445	0218-7981

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
27	22		62445	0110-7101
27	23		62445	0116-7153
27	24		62445	0347-0780
27	25		62445	0219-4164
27	26		62445	0347-0797
27	27		62445	0347-0777
27	28		62445	0219-6079
27	28		62445	0347-0793
27	28		62445	0347-0794
27	28		62445	0347-0795
27	29		62445	0219-4167
27	30		62445	0111-3412
27	31		62445	0111-2799
27	32		62445	0111-2824
27	33		62445	0331-3152
27	34		62445	0219-4166
27	35		62445	0219-6132
27	36		62445	0213-7644
27	37		62445	0111-5454
27	38		62445	0223-1442
27	39		62445	0347-0829
27	40		62445	0213-9579
27	41		62445	0347-0789
27	42		62445	0219-6120
27	43		62445	0219-4416
27	44		62445	0110-7719
27	45		62445	0347-0786
27	46		62445	0219-4393
27	47	3110-01-295-3067	15526	DIN625 6300
27	48		62445	0219-4427
27	49		62445	0219-4426
27	50		62445	0121-1010
27	51		62445	0347-0784
27	52		62445	0219-4169
27	53		62445	0347-0804
27	54		62445	0110-1697
27	55		62445	0219-4396
27	56		15526	DIN625-6004
27	57		62445	0224-7444
27	58		62445	0347-0815
27	59		62445	0347-0812
27	60		62445	0219-4163
27	61		62445	0117-2481
27	62		62445	0111-2349
27	63		62445	0213-7422
27	64		62445	0219-4388
27	65		62445	0219-4387
27	66		62445	0111-3409
27	67		62445	0219-4123
27	68		62445	0111-5434
27	69		62445	0213-7421

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
27	70		62445	0347-0779
27	71		62445	0331-3294
27	72		62445	0219-4247
27	73		62445	0116-7269
27	74		62445	0337-9751
27	75		62445	0337-2069
27	76		62445	123-6290
27	77		62445	0123-6291
27	78		62445	0111-8647
27	79		62445	0219-4336
27	80		62445	0111-8688
27	81		62445	0121-2538
27	82		62445	0110-2140
27	83		62445	0213-6014
27	84		62445	0116-5822
28	1	5310-01-196-3870	62445	111-2813
28	2		62445	0110-7095
28	3		62445	0111-3350
28	4	2910-01-108-2442	36719	1260140
28	5	5330-01-109-7395	36719	223-4450
28	6		62445	0126-0780
28	7		62445	0112-5533
28	8		62445	0126-0051
28	9		62445	0126-0049
29	1		62445	0124-2558
29	2	5310-01-238-8389	62445	111-8688
29	3	4730-01-186-0557	62445	1119246
30	1	5306-01-237-4918	62445	111-2240
30	2	5310-01-196-3870	62445	111-2813
30	3		62445	0110-7095
30	4	5340-01-242-0813	62445	116-1469
30	5		62445	0117-0642
30	6		62445	0121-0090
30	7		62445	0213-8002
30	8		62445	0111-8646
30	9		62445	0111-9230
30	10		62445	0121-6492
30	11		62445	0111-9220
31	1		62445	0337-2350
31	2		62445	0337-2332
31	3		62445	0126-5439
31	4		62445	335-7641
31	5		62445	0210-2787
31	6		62445	0117-0151
31	7		62445	0216-0361
31	8	5305-01-238-8436	62445	111-2529
31	9	5310-01-250-3742	62445	110 2801
31	10		62445	0121-0035
31	11		62445	0216-0308
32	1		62445	0111-2505
32	2		62445	0110-2801

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
32	3		62445	0111-2824
32	4		62445	0110-2799
32	5		62445	0112-0870
32	6		36719	223 0704
32	7		62445	0111-0190
32	8		62445	0415-6635
33			36719	2233066
33	1		62445	0110-2958
33	2		62445	0121-6075
33	3		62445	0216-9870
33	4		62445	0110-1405
33	5		62445	0110-3782
33	6	3030-01-124-2755	64104	A216003-C
33	7		36719	2233066
33	8		62445	0337-2390
33	9		62445	0111-1595
33	10		62445	0213-6541
33	11		62445	0110-7834
33	12	3110-01-298-0555	62445	1174602
33	13		62445	0213-3430
33	14		62445	0213-3441
33	15		62445	0223-3069
33	16		62445	0213-9278
33	17		62445	0111-2858
34			62445	0150-40
34	1		62445	0112-2393
34	2		62445	0331-2840
34	3		62445	0337-2427
34	4		62445	0111-2350
34	5		62445	0110-7101
34	6		62445	0332-1000
34	7		62445	0337-2420
34	8		62445	0110-7711
34	9		62445	0337-2422
34	10		62445	0111-2232
34	11		62445	0121-5850
34	12		62445	0111-2258
34	13		62445	0110-2797
34	14		62445	0223-1967
34	15		62445	0111-2240
34	16		62445	0347-008
34	17		62445	0110-7095
34	18		62445	0111-2258
34	19		62445	0223-1955
34	20		62445	0347-0081
35			62445	0116-4414
35	1		62445	0130-9463
35	2	2920-01-250-7862	62445	130 7768
35	3		62445	0110-2800
35	4		62445	0110-2659
35	5		62445	0298-5062

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
35	6		62445	0129-9119
35	7		53867	2-000-301-019
35	8		62445	0130-8799
35	9		62445	0110-5692
35	10		62445	0110-9581
35	11		62445	0130-8812
35	12		62445	0130-7218
35	13	5310-01-237-2776	62445	110-7283
35	14		62445	0112-6748
35	15		62445	0298-5189
35	16		62445	0130-8142
35	17		62445	0130-8802
35	18		62445	1308147
35	19		62445	130-8152
35	20		62445	130-8152
35	21		53867	2-000-301-024
35	22		62445	130 8148
35	23		62445	0130-8149
35	24		62445	0130-8144
35	25		62445	0130-8145
35	26		53867	2-005-854-094
35	27		62445	130-8152
35	28	5310-01-194-4865	62445	130-8152
35	29	5310-01-194-4865	62445	130-8152
35	30		62445	130-8152
35	31		62445	0130-8151
35	32		62445	0110-5526
35	33		62445	0295-5193
35	34		62445	2016-7102
35	35		62445	0111-2813
36	1		62445	0224-3954
36	2		62445	0111-0981
36	3		62445	0331-2840
36	4		62445	337-2829
36	5		62445	0111-3316
36	6		62445	0112-3749
36	7		62445	0224-3634
36	8		62445	0111-2264
36	9		62445	0331-2840
36	10		62445	0224-3575
36	11		62445	0110-7089
36	12		62445	0224-3986
36	13		62445	0224-3985
36	14		62445	0224-3987
36	15		62445	0111-2322
36	16		D8286	A8X14DIN7603-CU
36	17		62445	0224-5403
36	18		62445	0224-3576
36	19		62445	n224-3573
36	20		62445	0110-7101
36	21		62445	0224-5004

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
36	22		62445	0111-2350
36	23		62445	0224-5002
36	24		62445	0224-3579
36	25		62445	0110-7095
36	26		62445	0224-5003
36	27		62445	0224-5020
36	28		62445	0111-2813
37			62445	0150-41
37	1		62445	224 6968
37	2		62445	0111-2824
37	3		62445	0210-3634
37	4		62445	0111-2333
37	5		62445	0331-6466
37	6		62445	0110-7102
37	7	5330-01-012-8860	36719	3371689
37	8		62445	0111-0183
37	9		7A013	DZI M1 EX ADP
37	10		96606	501-8400
37	11		62445	0132-0468
37	12		62445	41-001
37	13		62445	14MMX25MM
37	14		57328	BRC-3
38			53203	90153
38	1		53203	20011
38	2		53203	300179
38	3		53203	21199
38	4		53203	220423
38	5		53203	300017
38	6		53203	130109
39			OEDY1	8EA2018NA
39	1		OEDY1	120-136
39	2		OEDY1	120-137
39	3		OEDY1	0224-1733
39	4		OEDY1	120-345
39	5		OEDY1	107-21
39	6		OEDY1	107-8
39	7		OEDY1	120-152
39	8		OEDY1	114-215
39	9	3120-01-330-8382	68505	111-21
39	10		OEDY1	120-347
39	11		OEDY1	120-7
39	12		OEDY1	112-66
39	13	3120-01-330-8382	68505	111-21
39	14		OEDY1	112-22
39	15		OEDY1	113-55
39	16		OEDY1	111-64
39	17		OEDY1	114-213
39	18		OEDY1	120-336
39	19		OEDY1	101-207
39	20	5961-01-331-3974	24975	101-206
39	21		OEDY1	120-121

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
39	22		OEDY1	120-109
39	23		OEDY1	120-342
39	24		OEDY1	120-120
39	25		OEDY1	]20-335
39	26		OEDY1	120-148
39	27		OEDY1	103-56
39	28		OEDY1	114-214
39	29		OEDY1	115-62
39	30		OEDY1	120-68
39	31		OEDY1	120-113
39	32		OEDY1	120-254
39	33		OEDY1	120-221
39	34		OEDY1	115-79
39	35		OEDY1	120-252
39	36		OEDY1	120-234
39	37		OEDY1	120-348
39	38		OEDY1	NPN
39	39		OEDY1	120-334
39	40		OEDY1	116-86
39	41	5977-01-331-3432	68505	103-55
39	42		OEDY1	105-259
39	43		OEDY1	120-234
39	44		OEDY1	120-339
39	45		OEDY1	1985445
39	46		OEDY1	115-4
40			77813	0415844
40	1		77813	02004274
40	2		77813	02006092
40	3		77813	02033761
40	4		77813	T-3
40	5		77813	T-20
40	6		77813	0132-0207
40	7		77813	0200 7295
40	8		77813	0132-0208
40	9		77813	02004467
40	10		77813	0206-0843
40	11		77813	0200-7961
40	12		77813	02007954
40	13		77813	0132-0188
40	14		77813	0132-0194
40	15		77813	0200-6252
40	16		77813	02007438
40	17		77813	0200-7359
40	18		77813	0132-0185
40	19		77813	0200-3062
40	20		77813	0300-7551
40	21		77813	03009494
40	22		77813	0132-0183
40	23		77813	02004802
40	24		77813	0209-4552
40	25		77813	0132-0175

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
40	26		77813	0200-5897
40	27		77813	FI-24
40	28		77813	0300-9494
40	29		77813	0200-6773
40	30		77813	02007437
40	31		77813	0132-0171
40	32		77813	02006710
40	33		77813	0200-7360
40	34		77813	0232-3276
40	35		77813	0200-7228
40	36		77813	0132-0199
40	37		77813	0200-4536
40	38		77813	0200-6425
40	39		77813	H-10
40	40		77813	H-9
40	41		77813	0200-4688
40	42		77813	0290-3122
40	43		77813	0132-0210
40	44		77813	0130-6394
40	45		77813	0300-8805
40	46		77813	0132-0166
40	47		77813	0200-5854
40	48		77813	02003573
40	49		77813	0200-9556
40	50		77813	0290-2998
40	51		77813	02004788
40	52		77813	02005894
40	53		77813	0209-4688
40	54		77813	0200-4746
40	55		77813	0132-0161
40	56		57328	TYPE-D3
40	57		8D709	SDS X 1-7/16"
41			57328	NPN
41	1		AQUAE	211
41	2		AQUAE	324-10
41	3		AQUAE	213
41	4		AQUAE	324-9
41	5		AQUAE	212
41	6		AQUAE	214
41	7		AQUAE	324-8
41	8		AQUAE	509-1
41	9		AQUAE	324-7
41	10		AQUAE	510-1
41	11		AQUAE	511
41	12		AQUAE	324-11
41	13		AQUAE	324-12
42	1		57328	61082-410
42	2		57328	61078-410
42	3		57328	RNG-66
42	4	5330-00-793-0454	60532	RNG67
42	5		57328	RNG-68



## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
42	6	5330-00-793-0453	60532	RNG69
42	7	4440-01-310-6604	57328	058825-410
42	7	6850-01-233-2425	57328	058827
42	8		57328	62047-410
42	9		57328	62820-410
42	10		57328	CVR-1
42	11		57328	12293-410
42	12		57328	LBL-98
42	12		57328	LBL-99
43			57328	420-2261/97
43	1		57328	58033-410
43	2		57328	ELL-001055
43	3		Fr 7Z2	6MM TUBE
43	4		57328	TEE-002355
43	5		57328	6MM TUBE
43	6		57328	59309-410
43	7		57328	N7091
43	8		57328	59223-635
43	9		57328	59308-410
43	10		57328	N859
43	11		57328	N7722
43	12		57328	N15712
43	13		57328	N4571
43	14		D8286	A14X20DIN7603CU
43	15		57328	N4570
43	16		57328	N1346
43	17		57328	N4636
43	18		57328	12786-430
43	19		57328	3015B-640
43	20		57328	12785-430
43	21		57328	N4262
43	22		57328	57797-410
43	23		57328	58156-410
43	24		57328	N4499
43	25		57328	N1443
43	26		57328	N57
43	27		57328	64952A-868
43	28		57328	N15039
43	29		57328	59199-410
43	30		57328	012885-340
43	31		57328	NPN
43	32		57328	N3068
43	33		57328	N4141
43	34		57328	N3504
43	35		57328	57797-410
43	36		57328	N4530
43	37		57328	N4140
43	38		57328	N2768
43	39		57328	RNG-74
43	40		57328	N3984
43	41		57328	FTG-0020

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
43	42		57328	011523-340
43	43		57328	003063
43	44		57328	4479-090
43	45		57328	57803-410
43	46		57328	N4566
43	47		57328	N52
43	48		57328	N61
43	49		57328	060354-430
43	50		57328	59201-410
43	51		57328	N3811
43	52		57328	N1594
43	53		57328	N15133
43	54		11649	SS-6-RBST-4
43	55		11649	SS4ME
43	56		57328	059230-342
43	57		57328	058053-342
43	58		57328	N60
43	59		57328	N62
43	60		57328	N16100
43	61		57328	N3407
43	62		57328	NPN
43	63		57328	N2720
43	64		F7Z23	N4177
43	65		57328	57628-342
43	66		25184	111-19357
43	67		57328	56690-342
43	68		57328	56687-342
43	69		57328	N4178
43	70		57328	N859
43	71		57328	56217-342
43	72		57328	N1776
43	73		57328	056686-342
43	74		57328	56221-342
44	1		57328	PNL-148
44	2	6685-01-369-9317	61049	9318291
44	3	6685-01-369-9317	61049	9318291
44	4	6685-01-369-9318	61049	9318259
44	5	6645-01-318-1874	74400	80001
44	6	6625-01-091-1074	57733	82202
44	7		57328	LBL-94
44	8	6685-00-598-1776	03479	20-T-8133
44	9		57328	LBL-96
44	10		2X949	TYPE V-S-9
44	11		2X949	TYPE-W
44	12		57328	LBL-95
44	13		03479	20-P7-150
44	14		57328	LBL-413
44	15		57328	LBL-90
44	16		77326	31-608
44	17	5930-01-043-9302	28835	404473
44	18	5930-01-228-3065	91929	11TS15-6

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
44	19		74059	11TS15-2
44	20		91929	11TS15-8
44	21		72619	52-5710-0991-30
44	22		57328	LBL-416
44	23		57328	70001-S
44	24		57328	58220-S
44	25		57328	55003-S
44	26		57328	53003-S
44	27		57328	51003-S
44	28		57328	55004-S
44	29		57328	53004-S
45	1		57328	PNL-149
45	2		59151	50145
45	3		71400	SFE-20
45	4		57328	LBL-0420
45	5		57328	LBL-0419
45	6		57328	LBL-0418
45	7		57328	LBL-0417
45	8		57328	LBL-89
45	9		72619	52-0932
45	10		71744	1816
45	11		81349	LH76/3
45	12		06383	T25F
45	13		19328	786
45	14		4T820	P-302-CCT
45	15		4T820	S-302-CCT
45	16		73168	08-029000-051
45	17		06383	T25F
45	18		89326	96101AA1
45	19	5930-01-043-9302	28835	404473
45	20	5920-00-280-4007	71400	SFE14
45	21	2920-01-243-6460	78174	SS584
45	22		17Z23	783
45	23		19328	784
45	24		57328	51006-S
45	25		57328	55004-S
45	26		57328	56004-S
45	27		57328	64001-S
45	28		57328	70001-S
45	29		57328	WIR-0040
45	30		57328	WIR-0010
45	31		57328	WIR-0006
45	32		57328	WIR-0001
45	33		57328	WIR-0041
45	34	5940-00-113-3145	98410	B-418-56
45	35		6T332	44F221
45	36	5940-00-553-2716	98410	AA-520-02
45	37	5940-00-143-4780	96906	MS25036-108
45	38		57328	WIR-0007
45	39		57328	WIR-0003
45	40		57328	WIR-0039

## CROSS REFERENCE INDEXES

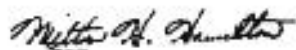
FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
45	41	5940-00-926-0085	98410	BB-2141
45	42		57328	WIR-0019
45	43	5940-00-107-1481	98410	B-437-10
46	1		02570	SS-402-1
46	2		57328	TUB-82
46	3		02570	SS-400-3
46	4		57328	TUB-93
46	5		57328	TUB-83
46	6		01276	2083-4-4S
46	7		25704	SS-200-1-4
46	8		16166	CVF-4MSS
46	9		11649	SS-4-ST
46	10		11704	202-1
46	11		57328	TUB-87
46	12		01276	2083-2-2S
46	13		57328	TUB-81
46	14		45681	F-50G
46	15		02570	SS-400-3-4
46	16		11649	SS-4-IN-4RT
46	17		02570	SS-400-1-4
46	18		02570	SS-8r0-2-4
46	19		02570	SS-400-71-4
46	20		57528	T-UB-84
46	21		57328	TUB-80
46	22		02570	SS-400-9
46	23		57328	TUB-91
46	24		45681	SAE140139
46	25		57328	TUB-88
46	26		57328	TUB-92
46	27		45681	F50F50
46	28		57328	TUB-86
46	29		57328	TUB-89
46	30		57328	TtJB-90
46	31		57328	HOS-0002
47	1	4910-01-235-5031	62445	003-0464
47	2	4910-01-233-5035	62445	003-1091
47	3	5210-01-204-5068	62445	003-0543
47	4	3460-01-189-6886	62445	003-0498
47	5	5210-01-280-3591	62445	003-1189
47	6	5355-01-206-6502	62445	003-0678
47	7	5210-01-247-6129	62445	003-0500
47	8	5120-01-204-5071	62445	003-1102
47	9	5120-01-247-6131	62445	003-0463
47	10	4730-01-152-1147	62445	003-0422
47	11	5120-01-204-5072	62445	003-0512
47	12	5120-01-208-6997	62445	003-0511
47	13	5120-01-189-3440	62445	003-0434
47	14	4910-01-252-0356	62445	003-0562
47	15	5340-01-256-6897	62445	003-0794
47	16	5120-01-191-4503	62445	003-0504
47	17	5120-01-280-2284	36719	003-0784

## CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX STOCK NUMBER	CAGEC	PART NUMBER
47	18	5120-01-252-3902	62445	003-1043
47	19	4910-01-256-0630	62445	003 0636
47	20	5120-01-247-6130	62445	003-0642
47	21	5120-01-252-3904	62445	003-1234
47	22	3450-01-323-5221	62445	003-0649
47	23	3460-01-204-5069	62445	003-0650
47	24	5120-01-204-5073	62445	003-0453
47	25	5110-01-203-7945	62445	003-0452
47	26	3460-01-203-7947	62445	003 0620
47	27	3460-01-203-7946	62445	003 0441
47	28	5120-01-203-7948	62445	003-0426
47	29	5120-01-189-3441	62445	003-0501
47	30	3460-01-254-9637	62445	003-0621
47	31	5120-01-191-4500	62445	003-0496
47	32	5210-01-247-6125	62445	003-0438
47	33	5120-01-247-6128	62445	003-0430
47	34	5120-01-252-6370	62445	003-0450
47	35	5120-01-203-7949	62445	003-0572
47	36	5130-01-324-2497	62445	003-0672
47	37		62445	003-0670
47	38		62445	003-0671
47	39		62445	003-0503
47	40		62445	003-2498
47	41	5120-01-283-8620	62445	003-2499
47	42	5120-01-203--7950	62445	003-0733
47	43		62445	003-0674
47	44	5120-01-280-0077	62445	003-0433
47	45		62445	003-0505
47	46	5120-01-167--5726	36719	150800
47	47	4320-01-263-9680	62445	003-0714
47	48	4320-01-272-0522	62445	003-0777
47	49		57328	WR11-2
47	50	4930-00-965-0288	77335	99-30-171
47	51		16365	3Z915
47	52	6625-01-265-6000	89536	27/FM W/ACCE
47	53	5110-01-204-5070	62445	003-0652
47	54	5120-01-254-1678	62445	003 0414
47	55	5120-01-190-8664	62445	003-0446
47	56	6625-01-324-3625	62445	0301056
47	57	6630-00-171-4467	90660	13142
47	58		11704	MS-1G200
47	59		11704	MS-1G468
47	60		62445	3202

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Official:



MILTON H. HAMILTON  
*Administrative Assistant to the  
Secretary of the Army*  
03517

GORDON R. SULLIVAN  
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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 decigrams = .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
----	------------------------	----------------------------	---------------------	----



## These are the instructions for sending an electronic 2028

The following format must be used if submitting an electronic 2028. The subject line must be exactly the same and all fields must be included; however only the following fields are mandatory: 1, 3, 4, 5, 6, 7, 8, 9, 10, 13, 15, 16, 17, and 27.

From: "Whoever" <whoever@avma27.army.mil>  
To: mpmt%/oavma28@st-louis-emh7.army.mil

Subject: DA Form 2028

1. **From:** Joe Smith
2. **Unit:** home
3. **Address:** 4300 Park
4. **City:** Hometown
5. **St:** MO
6. **Zip:** 77777
7. **Date Sent:** 19-OCT-93
8. **Pub no:** 55-2840-229-23
9. **Pub Title:** TM
10. **Publication Date:** 04-JUL-85
11. **Change Number:** 7
12. **Submitter Rank:** MSG
13. **Submitter FName:** Joe
14. **Submitter MName:** T
15. **Submitter LName:** Smith
16. **Submitter Phone:** 123-123-1234
17. **Problem:** 1
18. **Page:** 2
19. **Paragraph:** 3
20. **Line:** 4
21. **NSN:** 5
22. **Reference:** 6
23. **Figure:** 7
24. **Table:** 8
25. **Item:** 9
26. **Total:** 123
27. **Text:**

This is the text for the problem below line 27.



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