

TECHNICAL MANUAL

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

FOR

**CENTRIFUGAL PUMP UNIT,
WATER, 125 GPM**

NSN 4320-01-156-3873

MODEL 2X2 SP/52109

Distribution Statement A: Approved for public release; distribution is unlimited.

**HEADQUARTERS, DEPARTMENT OF THE ARMY
14 MARCH 1994**

TECHNICAL MANUAL
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HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 14 March 1994

**Unit, Direct Support and General Support Maintenance
Repair Parts and Special Tools List
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MODEL 2X2 SP/52109**

Current as of 5 March 1994

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help Improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028, (Recommended Changes to Publications and Blank Forms) or DA Form 2028-2 located in the back of this manual direct to: Commander, U S Army Aviation and Troop Command, ATTN AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you.

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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 pumping assembly. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance, and recoverability (SMR) codes

2. General. In addition to Section I, Introduction, this Repair Parts and Special Tools List is divided into the following sections.

a. Section II. Repair Parts List. A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance . The list also includes parts which must be removed for replacement of the authorized parts . Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence. Repair parts kits or sets are listed separately in their own functional group within Section II.

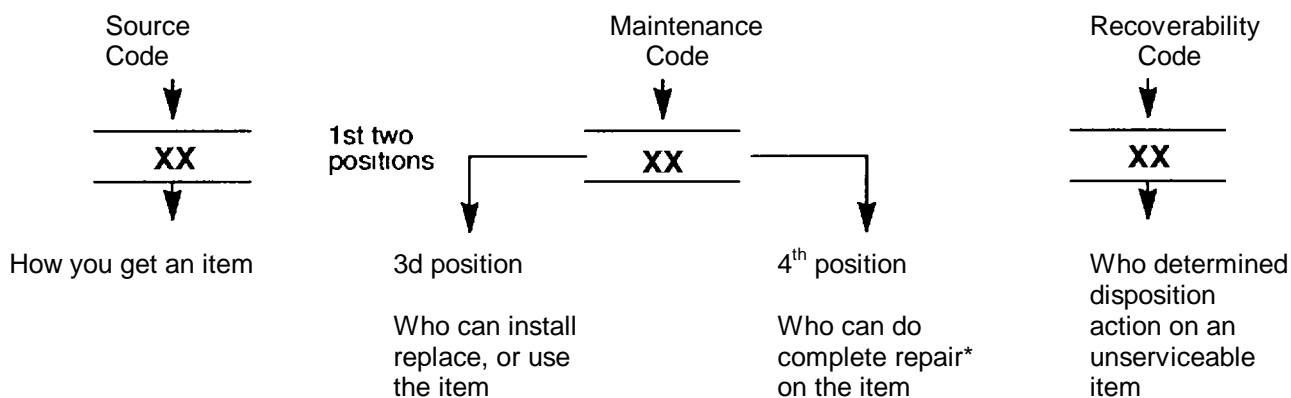
b. Section III. Special Tools List - Not Applicable.

c. Section IV. Cross-reference Indexes. A list, in National Item Identification Number (NIIN) sequence, of all National stock numbered Items appearing in the listings, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance. The figure and item number index lists figure and item numbers in alphanumeric sequence and cross-references NSN, FSCM and part numbers.

3. Explanation of Columns (Section II).

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 KD KF KB	Stocked items, use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3d position of the SMR code. **NOTE Items coded PC are subject to deterioration. Items with these codes are not to be requested/requisitioned Individually. They are part of a kit which is authorized to the maintenance category indicated In the 3d position of the SMR code. The complete kit must be requisitioned and applied.

Code	Explanation
MO-(Made at unit/ AVUM Level) MF-(Made at DS AVUM Level) MH-(Made at GS Level) ML-(Made at Spe- cialized Repair Activity (SRA)) MD-(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 the RPSTL. If the item is authorized to you by the 3d position code of the SMR code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.

Code	Explanation
AO-(Assembled by unit/AVUM Level) AF-(Assembled by DS/AVIM Level) AH-(Assembled by GS Category) AL-(Assembled by SRA) AD-(Assembled by Depot)	Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the level of maintenance indicated by the source code. If the 3d position code of the SMR code authorizes you to replace the item, but the source code indicates the items are assembled at a higher level, order the item from the higher level of maintenance.

Code	Explanation
XA--	Do not requisition an "XA" -coded item Order its next higher assembly (Also, refer to the NOTE below.)
XB--	If an "XB" item is not available from salvage, order It using the CAGE and part number given.
XC--	Installation drawing, diagram, Instruction sheet, field service drawing, that IS identified by manufacturer's part number.
XD--	Item Is not stocked Order an "XD" -coded item through normal supply channels using the CAGE and part number given, if no NSN is available.

NOTE

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

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

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

Code	Application/Explanation
C	--Crew or operator maintenance done within unit or aviation unit maintenance
O	--Unit or aviation unit category can remove, replace, and use the Item
F	--Direct support or aviation Intermediate level can remove, replace, and use the item
H	--General support level can remove, replace, and use the item
L	--Specialized repair activity can remove, replace, and use the item
D	--Depot level can remove, replace, and use the Item.

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

Code	Application/Explanation
O	--Unit or (aviation unit) IS the lowest level that can do complete repair of the item.
F	--Direct support or aviation Intermediate is the lowest level that can do complete repair of the item.
H	--General support is the lowest level that can do complete repair of the item.
L	--Specialized repair activity (designate the specialized repair activity) is the lowest level that can do complete repair of the item.
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 3d position of SMR Code.
O	--Reparable item When uneconomically reparable, condemn and dispose of the Item at unit or aviation unit level.
F	--Reparable Item When uneconomically reparable, condemn and dispose of the item at the direct support or aviation intermediate level.
H	--Reparable item When uneconomically reparable, condemn and dispose of the Item at the general support level.
D	--Reparable item When beyond lower level repair capability, return to depot Condemnation and disposal of item not authorized below depot level.
L	--Reparable Item Condemnation and disposal not authorized below specialized repair activity (SRA).
A	--Item requires special handling or condemnation procedures because of specific reasons (e g , precious metal content, high dollar value, critical material, or hazardous material) Refer to appropriate manuals/directives for specific instructions.

c. CAGEC (Column (3)). The Manufacturer Commercial and Government Entity (CAGE) 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, specification standards, and Inspection requirements to Identify an item or range of items.

NOTE

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

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

- (1) The Federal item name and, when required, a minimum description to identify the item.
- (2) Items that are Included in kits and sets are listed below the name of the kit or set.
- (3) Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.
- (4) Part numbers for bulk materials are referenced In this column in the line item entry for the Item to be manufactured/fabricated.
- (5) When the item Is not used with all serial numbers of the same model, the effective serial numbers are shown in the last line(s) of the description.
- (6) The usable on code, when applicable. (Refer to paragraph 5, Special Information.)
- (7) The statement "END OF FIGURE" appears just below the last item description in Column 5 for a given figure in Section II.

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

4. Explanation of Columns (Section IV).

a. NATIONAL STOCK NUMBER (NSN) INDEX.

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

NSN

of the NSN, (i.e., 5305-01-574-1467). When using this column to locate an
NIIN

item, ignore the first 4 digits of the NSN. However, the complete NSN should be used when ordering Items by stock number.

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

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

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

(1) CAGEC column. The Manufacturer Commercial and Government Entity (CAGE) 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 CAGE columns to the left.

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

(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.

(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 Manufacturer Commercial and Government Entity (CAGE) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc, that supplies the item.

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

5. SPECIAL INFORMATION.

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

<u>Code</u>	<u>Used On</u>
FWW	Model 2X2 SP/52109

b. ASSEMBLY INSTRUCTION. Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in TM 10-4320-318-24. Items that make up the assembly are listed immediately following the assembly item entry or reference is made to an applicable figure.

c. INDEX NUMBERS. Items which have the word BULK in the figure column will have an index number shown in the item number column. This index number is a cross-reference between the National Stock Number/Part Number Index and the bulk material list in Section II.

d ASSOCIATED PUBLICATIONS. The publication listed below pertains to the Centrifugal Pump and its components.

TM 10-4320-318-14 Centrifugal Pump Unit Water, 125 GPM

6. HOW TO LOCATE REPAIR PARTS.

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

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

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

(3) Third. Identify the item on the figure and note the item number.

(4) Fourth. Refer to the Repair Parts List for the figure to find the part number for the item number noted on the figure.

(5) Fifth. Refer to the Part Number Index to find the NSN, if assigned.

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

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

(2) Second. Turn to the figure and item number, verify that the item is the one you are looking for, then locate the Item number in the repair parts list for the figure.

7. ABBREVIATIONS. Abbreviations used in this manual are listed in MIL-STD-12.

8. WARRANTY OF DATA.

a. Technical data means recorded information, regardless of form or characteristic, of a scientific or technical nature it may, for example, document research, experimental, development or engineering work, or be usable or used to define a design or process or to procure, product support, maintain, or operate materiel. The data may be graphic or pictorial delineations in media such as drawings or photographs, text in specification or related performance or design typed documents; or computer printouts. Examples of technical data include research and engineering data, engineering drawings and associated lists, specifications, standards, process sheets, manuals, technical reports, catalog item identifications, and related information, and documentation related to computer software. Technical data does not include computer software or financial, administrative, cost and pricing, and management data, or other information incidental to contract administration.

b. Notwithstanding inspection and acceptance by the Government of technical data furnished under this contract and notwithstanding any provision of this contract concerning the conclusiveness thereof, the Contractor warrants that all technical data delivered under this contract will at the time of delivery conform with the specifications and all other requirements of this contract. The warranty period shall extend for three (3) years after completion of the delivery of the line item of data (as identified in DD Form 1423) of which the data forms a part, or any longer period specified in the contract.

c. The Contractor agrees to notify the Contracting Officer in writing immediately of any breach of the above warranty which the Contractor discovers within the warranty period.

d. The following remedies shall apply to all breaches of the above warranty provided that the Government notifies the Contractor of the breach in writing within the warranty period.

(1) Within a reasonable time after the Contracting Officer notifies the Contractor of a breach of warranty, he may:

(i) by written notice, direct the Contractor to correct or replace at his expense the nonconforming technical data promptly, or

(ii) If he determines that the Government no longer has a requirement for correction or replacement of the data, or that the data can be more reasonably corrected by the Government, Inform the Contractor by written notice that the Government elects a price or fee adjustment in lieu of correction or replacement.

(2) If the Contractor refuses or fails to comply with a direction under (1)(i) above, the Contracting Officer may, within a reasonable time of such refusal or failure:

(i) by contract or otherwise, correct or replace the nonconforming technical data and charge the Contractor the cost occasioned to the Government thereby, or

(ii) elect a price or fee adjustment in lieu of correction or replacement.

(3) The remedies set forth In this clause represent the exclusive means by which the rights conferred on the Government by this clause may be enforced.

f. The provisions of this clause apply anew to that portion of any technical data which is corrected or furnished in replacement under (d)(1)(i) above.

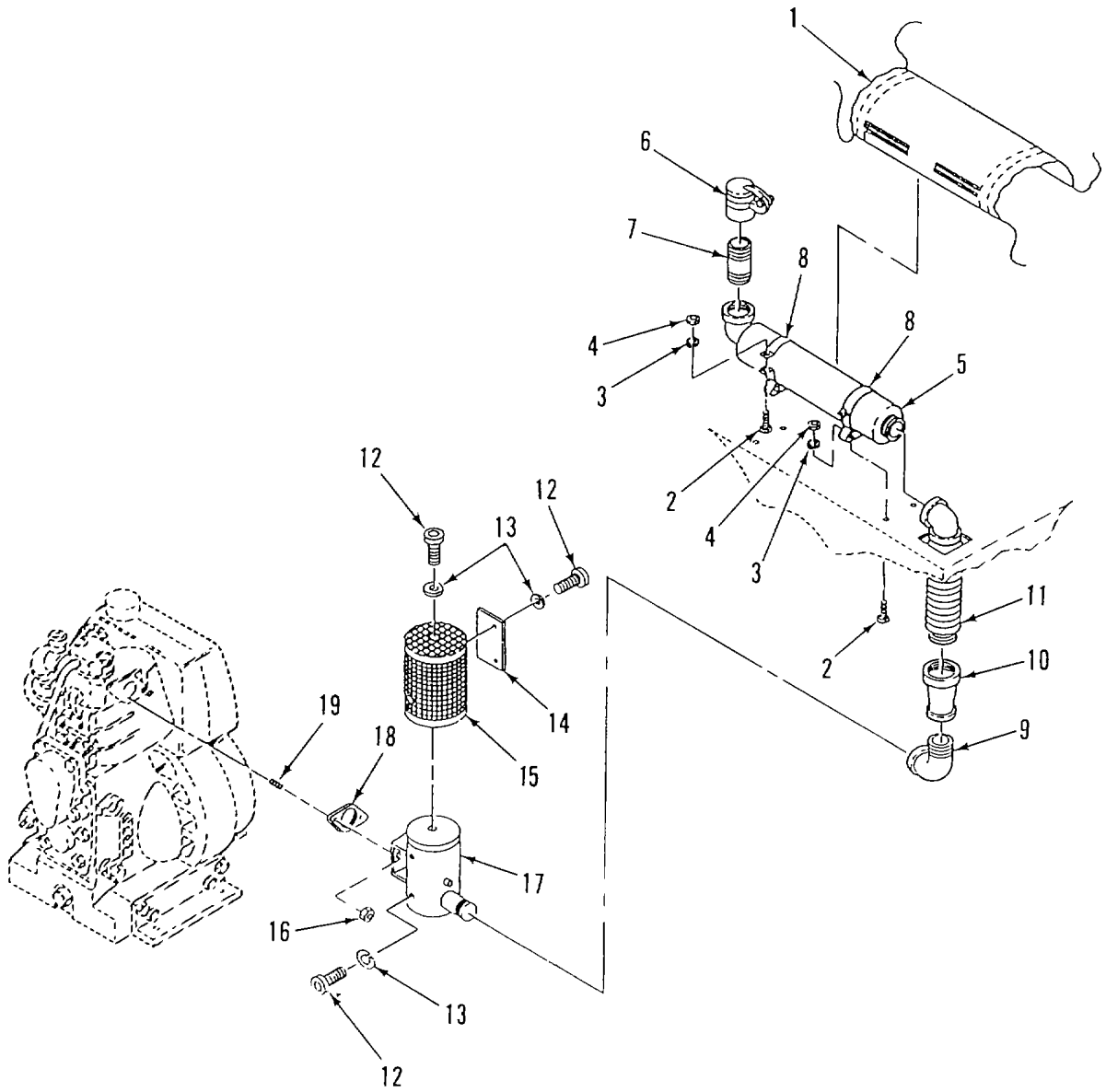


Figure 1. Pump Accessories

SECTION II			TM 10-4320-318-24P	
(1)	(2)	(3)	(4)	(5)
ITEM	SMR		PART	(6)
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)QTY

GROUP 01 PUMP ACCESSORIES

FIG. 1 PUMP ACCESSORIES

1	XBOZZ	62503	D-9038-2	WRAP,HEAT.....	1
2	PAOZZ	96906	MS90725-68	SCREW,CAP-,HEXAGON H	4
3	PAOZZ	96906	MS35338-46	WASHER,LOCK	4
4	PAOZZ	96906	MS51967-8	NUT,PLAIN,HEXAGON	4
5	PAOZZ	62503	9025-XX	MUFFLER	1
6	XBOZZ	62503	D-9025-13	CAP,RAIN 2INCH DIA	1
7	XBUZZ	96906	MS51953-169	NIPPLE,PIPE 1-1/2 INCH	1
8	XBOZZ	22313	Q27219	BAND,IIOUNTING	2
9	XBOZZ	96906	MS39230-8	ELBOW,PIPE.....	1
10	XBOZZ	96906	MS39232-16	REDUCER,IPIPE	1
11	XBOZZ	62503	D-9026-11	FLEX CONNECTOR	1
12	XBOZZ	61080	501 731 00	.SCREW,HEX M8X1	5
13	XBOZZ	61080	50016800	.WASHER,LOCK	5
14	XBOZZ	61080	03699700	.SHIELD,HEAT.....	1
15	XBOZZ	61080	03899000	.GUARD	1
16	XBOZZ	61080	400 816 00	.NUT,HEXAGON M8.....	2
17	PBUZZ	61080	99400010	.ARRESTER,SPARK EXHA	1
18	PAOZZ	61080	50122400	.GASKET	1
19	XBOZZ	61080	50037800	.STUD	2

END OF FIGURE

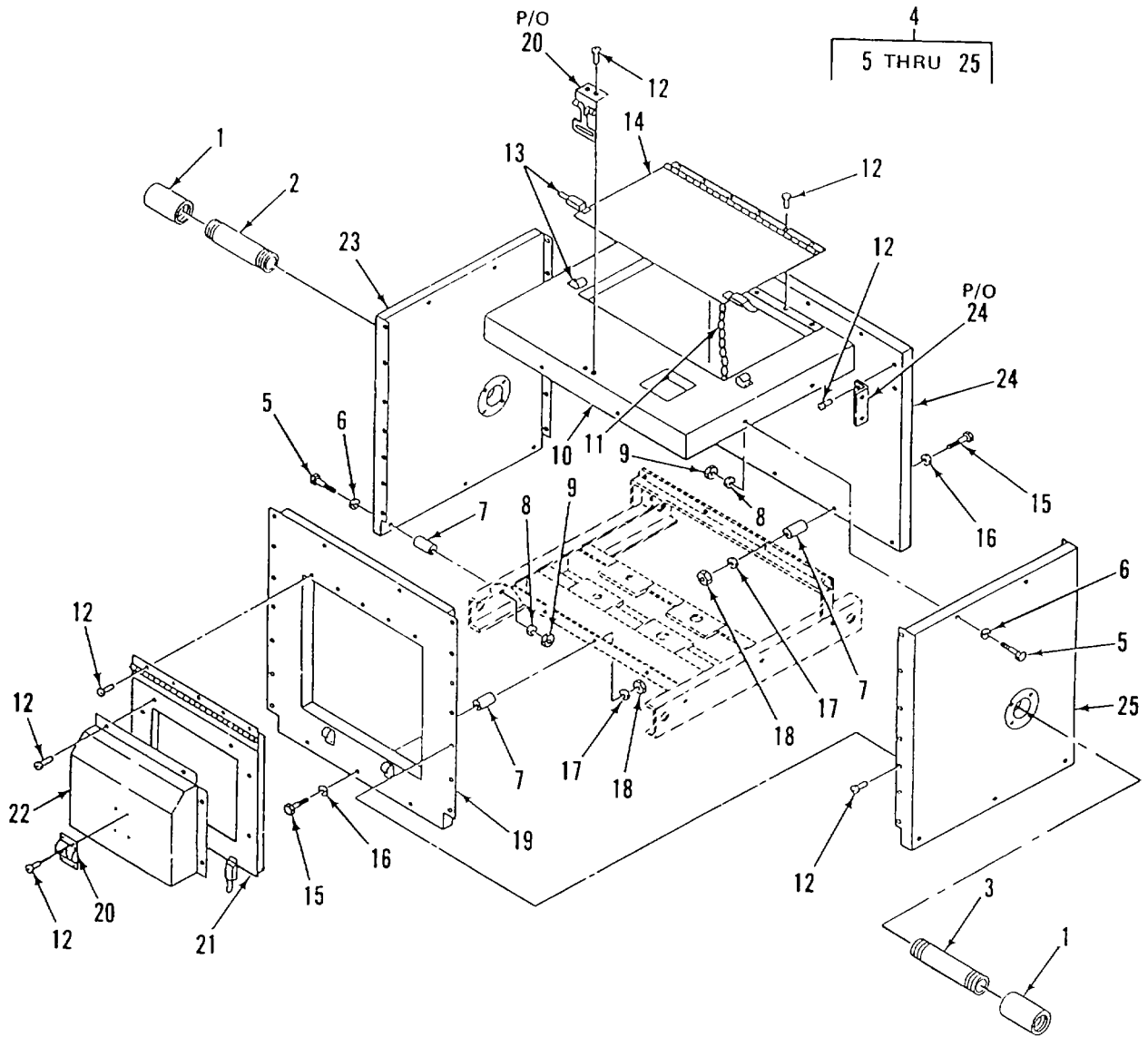


Figure 2. Noise Enclosure

SECTION II TM 10-4320-318-24P
 (1) (2) (3) (4) (5) (6)
 ITEM SMR PART
 NO CODE CAGEC NUMBER DESCRIPTION AND USABLE ON CODES (UOC)QTY

GROUP 02 NOISE ENCLOSURE

FIG. 2 NOISE ENCLOSURE

1	XBOZZ	39428	4638K169	COUPLER,FEMALE	2
2	XBOZZ	62503	D-9025-22	PIPE,SUCTION	1
3	XBOZZ	62503	D-9025-23	PIPE,DISCHARGE.....	1
4	PDOO	62503	D-9026	ENCLOSURE ASSEMBLY	1
5	PAOZZ	80204	B1821BH025C250N	.SCREW,CAP,HEXAGON H	9
6	PAOZZ	96906	MS15795-810	.WASHER,FLAT.	9
7	XBOZZ	625U3	D-9026-27	.SPACER	9
8	PAOZZ	96906	MS35338-44	.WASHER,LOCK.....	9
9	PAUZZ	96906	MS51967-2	.NUF,PLAIN,HEXAGON.....	9
10	XBOZZ	62503	D-9026-6	.PANEL,ROOF.....	1
11	XBOZZ	39428	3608T28	.CHAIN 18 INCHES	1
12	PAUZZ	81349	M24243/1-B604	.RIVET,BLIND	34
13	XBOZZ	98003	HC209ZE	.CATCH	4
14	XBUZZ	62503	D-9026-3	.DOOR,ROOF	1
15	PAOZZ	96906	MS90728-117	.SCREW,CAP,HEXAGON H	13
16	PAOZZ	96906	MS15795-818	.WASHER,FLAT.....	13
17	PAOZZ	96906	MS35338-48	.WASHER,LOCK	13
18	PAOZZ	96906	MS35649-2354	.NUT,PLAIN,HEXAGON	13
19	XBOZZ	62503	D-9026-1	.PANEL,FRONT	1
20	XBOZZ	19220	5601U	.HOLDER,DOOR	1
21	XBOZZ	62503	D-9026-2	.DOOR,ACCESS	1
22	XBOZZ	62503	D-9026-4	.AIR DUCT,DOOR	1
23	XBOZZ	62503	D-9026-8	.PANEL,RIGHT SIDE	1
24	XBOZZ	62503	D-9026-5	.PANEL,REAR	1
25	XBOZZ	62503	D-9026-7	.PANEL,LEFTSIDE	1

END OF FIGURE

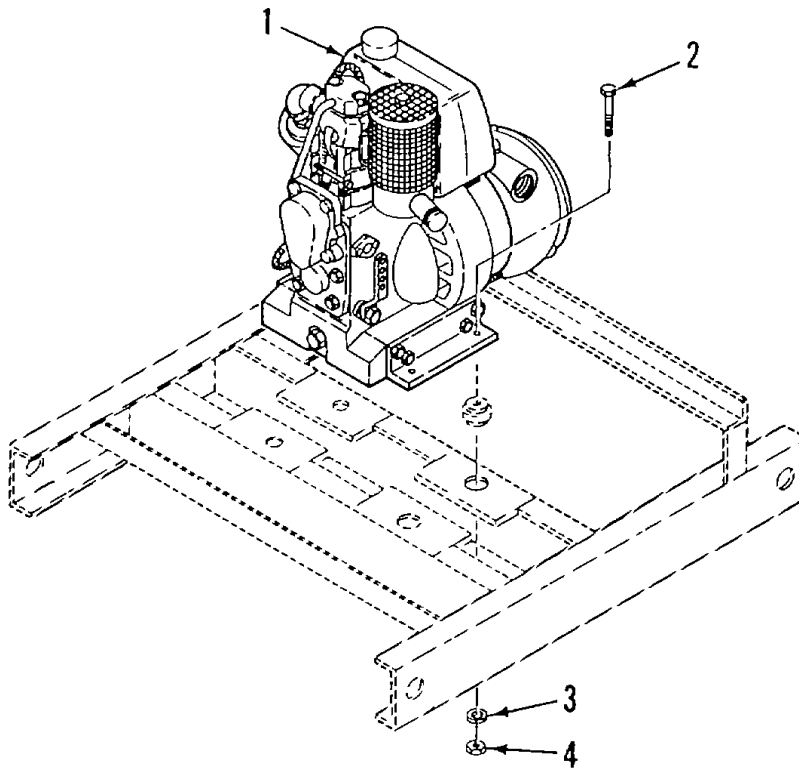


Figure 3. Engine and Pump Assembly

SECTION II			TM 10-4320-318-24P	
(1)	(2)	(3)	(4)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)QTY

GROUP 03 ENGINE AND PUMP ASSEMBLY

FIG. 3 ENGINE AND PUMP ASSEMBLY

1	XBOZZ	62503	D-9040	ENGINE/PUMP ASSEMBLY.....	1
2	PAOZZ	96906	MS90725-162	SCREW,CAP, IHEXAGON H	4
3	PAOZZ	96906	MS35338-50	WASHER,LOCK	4
4	PAOZZ	96906	MS51967-20	NUT,PLAIN,HEXAGON4

END OF FIGURE

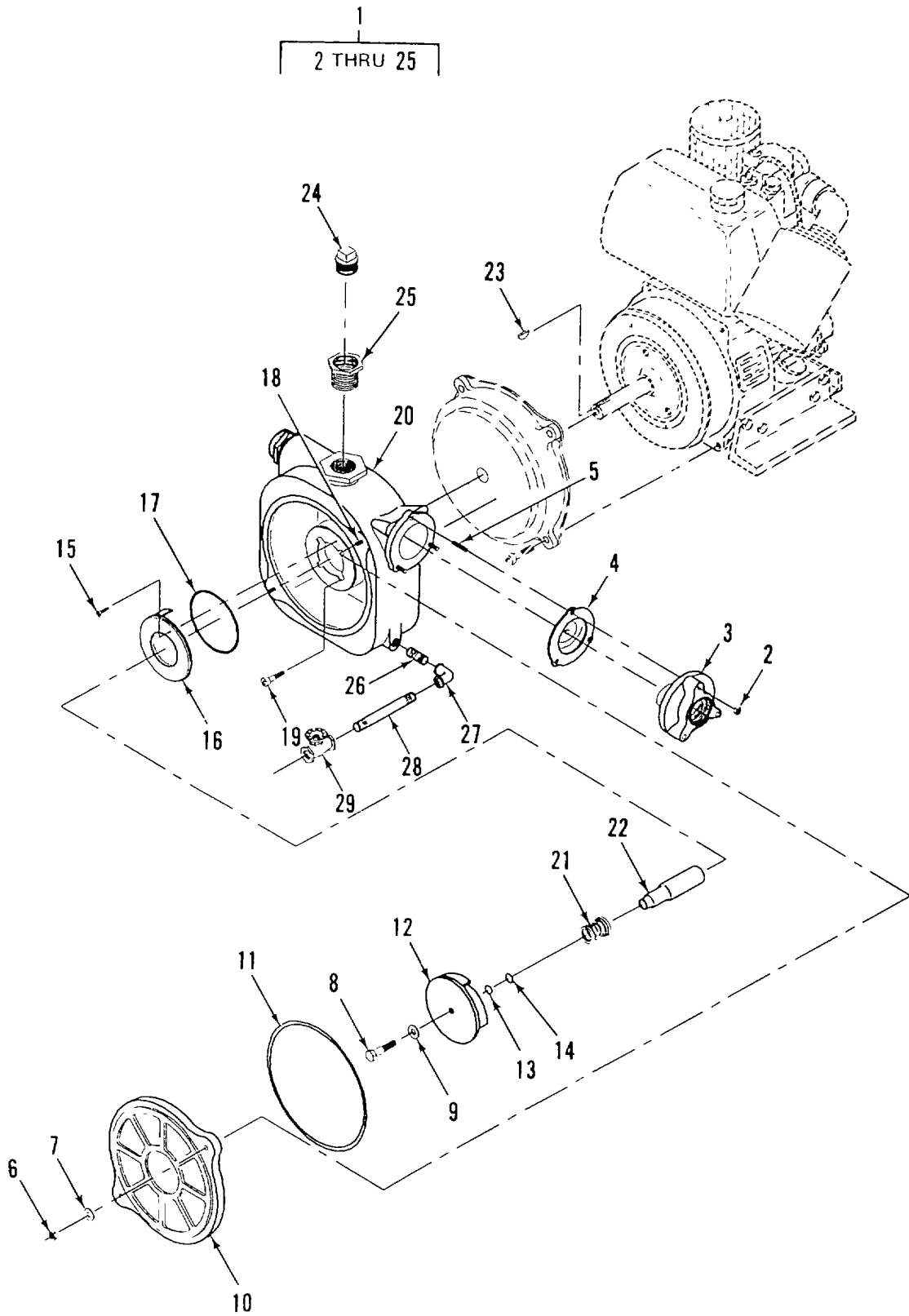


Figure 4. Pump Assembly

SECTION II			TM 10-4320-318-24P	
(1)	(2)	(3)	(4)	(5)
ITEM	SMR		PART	
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)QTY

GROUP 04 PUMP ASSEMBLY

FIG. 4 PUMP ASSEMBLY

1	XBFFF	62503	D-9039	PUMP ASSEMBLY 125GP	1
2	PAFZZ	96906	MS51968-5	.NUT,PLAIN,HEXAGON	3
3	XBFFZ	96046	11698	.FLANGE,SUCTION	1
4	PBFZZ	96046	61753SA	.VALVE,CHECK	1
5	PAFZZ	96906	MS15986GP18	.STUD,PLAIN	3
6	XBFFZ	96046	02767	.NUT,HEXAGON	2
7	XBFFZ	96046	37584	.WASHER	2
8	PAFZZ	96906	MS90726-43	.BOLT,MACHINE.....	1
9	XBFFZ	14180	T22720	.RETAINER,PACKING	1
10	XBFFZ	96046	29594	.VOLUTE,PUMP	1
11	PAFZZ	96046	16067	.PACKING,PREFORMED	1
12	XBFFZ	97403	13200E8808	.IMPELLER,PUMP,CENTR	1
13	XBFFZ	14180	T22719A	.SHIM O.010 INCH	2
14	XBFFZ	14180	T22719B	.WASHER,FLAT O.30 INCH	1
15	XBFFZ	96046	62730	.SCREW	2
16	PBFZZ	97403	13200E8815	.PLATE,WEAR,ROTARY P	1
17	PAFZZ	96906	M529513-253	.PACKING,PREFORMED	1
18	PAFZZ	96906	MS15986KP19	.STUD,PLAIN	2
19	XBFFZ	96046	16072	.SCREW.CAP	4
20	XBFFZ	96046	29282SA	.CASE ASSEMBLY,PUMP	1
21	PAFZZ	73680	70005-0012	.SEAL ASSEMBLY PUMP	1
22	XBFFZ	97403	13200E8804	.SHAFT,SHOULDERED	1
23	PAFZZ	96046	16065	.KEY.....	1
24	XBFFZ	96046	03207	1
25	XBOZZ	39428	4539K71	.REDUCER,PIPE	1
26	XBFFZ	62503	D-9025-18	NIPPLE,DRAIN,PUMP	1
27	XBFFZ	62503	D-9025-16	ELBOW,DRAIN,PUMP	1
28	XBFFZ	62503	D-9025-17	PIPE,DRAIN,PUMP	1
29	XBFFZ	41592	239-3/4INCH	VALVES,GATE-NEEDLE	1

END OF FIGURE

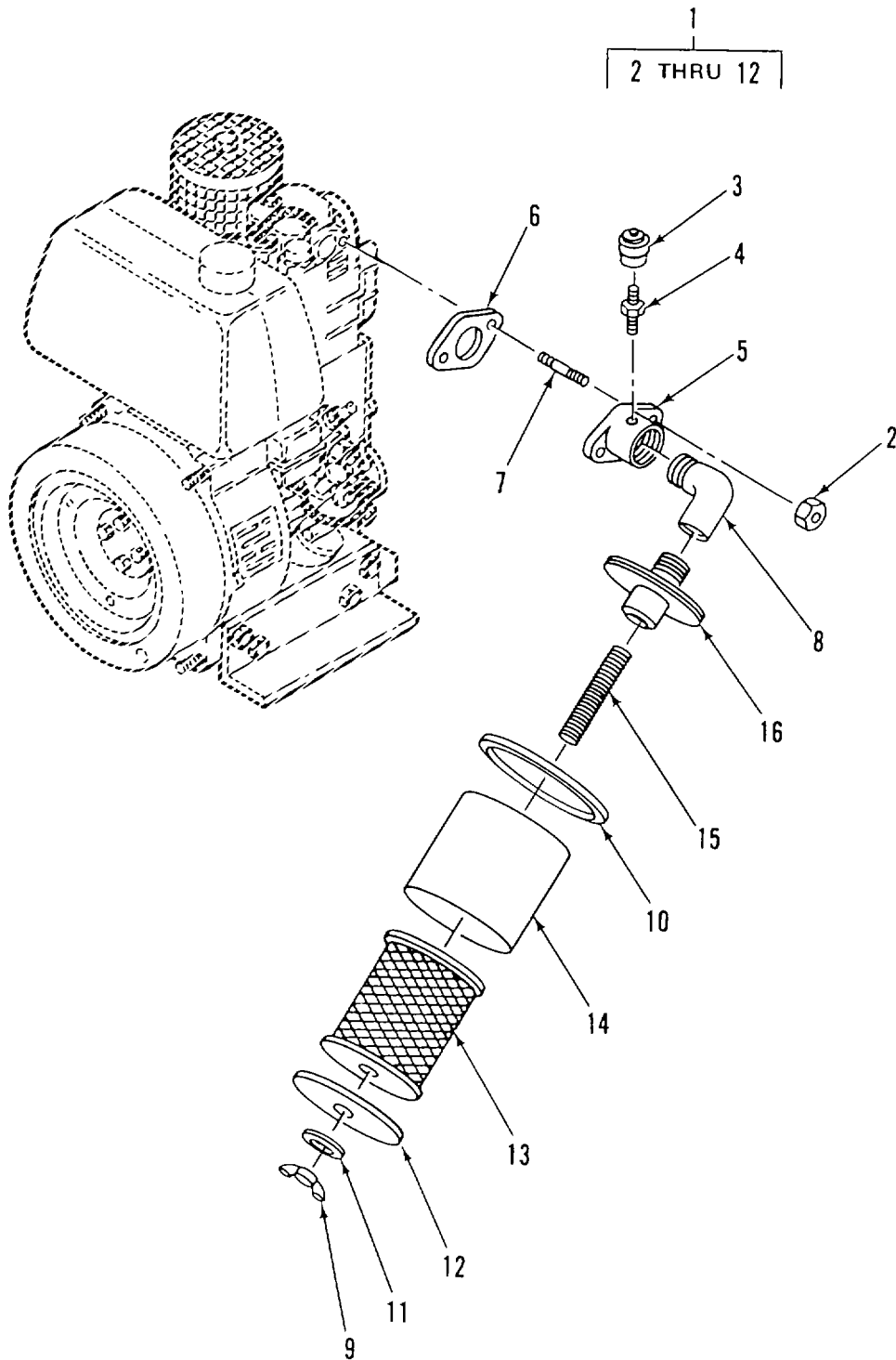


Figure 5. Air Filter Assembly

SECTION II

TM 10-4320-318-24P

(1)	(2)	(3)	(4)	(5)	(6)
ITEM NO	SMR CODE	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 05 AIR FILTER ASSEMBLY					
FIG. 5 AIR FILTER ASSEMBLY					
1	XBOOO	00736	204302	FILTER ASSEMBLY,AIR	1
2	XBOZZ	61080	40081600	.NUT,HEXAGON	2
3	PAOZZ	18265	RBX00-2250	.INDICATOR,FILTER WA	1
4	PAOZZ	05083	MM1398	.NIPPLE,PIPE	1
5	XBOZZ	61080	03892600	.AIR CLEANER,FLANGED.....	1
6	PAOZZ	61080	03477200	.GASKET	1
7	XBOZA	61080	50037200	.STUD,PLAIN.....	2
8	XBOZZ	34928	4638K136	.ELBOW.....	1
9	XBOZZ	00736	20515C	.NUT,WING	1
10	XBOZZ	3V554	12B-006	.GASKET	1
11	XBOZZ	00736	1NB-001	.TOP	1
12	PAOZZ	00736	22853	.SEAL,WASHER	1
13	PAOZZ	00736	1DM-007	.FILTER ELEMENT,INTA.....	1
14	XBOZZ	00736	204302-800	.COVER,ACCESS.....	1
15	XBDZZ	3V554	1NB-004	.STUD	1
16	XBOZZ	00736	12PGJ	.CONNECTOR,BASE.....	

END OF FIGURE

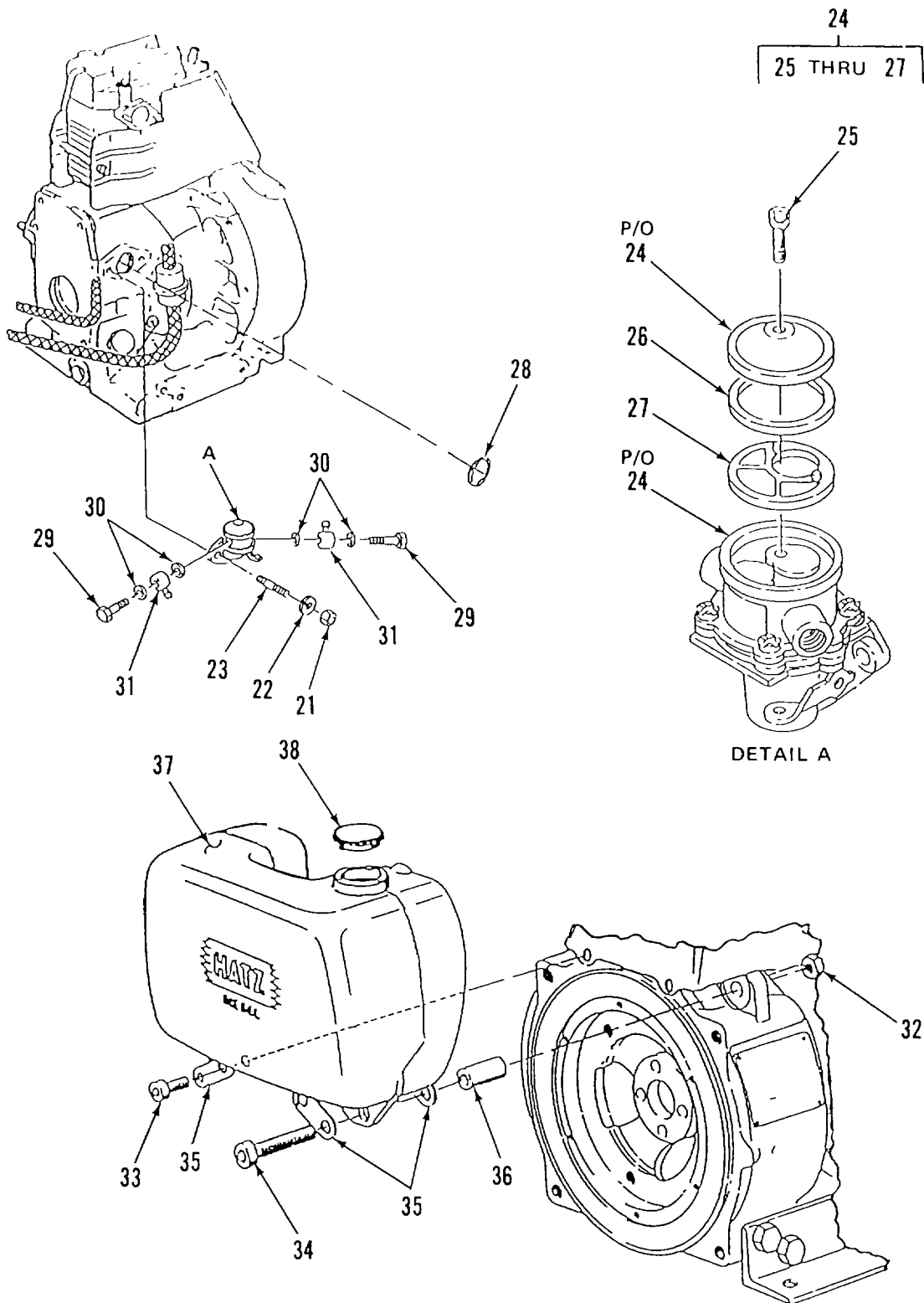


Figure 6. Fuel System Components (Sheet 2 of 2)

SECTION II

TM 10-4320-318-24P

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

GROUP 06 ENGINE ASSEMBLY

FIG. 6 FUEL SYSTEM COMPONENTS

1	PDOHH	61080	E673LHK-241	ENGINE,DIESEL	1
2	PAOZZ	61080	400 894 01	.FILTER,FUEL.....	1
3	XBUZZ	61080	03493100	.HOSE,NONMETALLIC	1
4	XBOZZ	61080	500 527 00	.SCREW,HEX M8X50	1
5	XBOZZ	61080	031 655 00	.CLIP,PIPE	1
6	XBOZZ	61080	035 206 00	.SPACER	1
7	XBOZZ	61080	501 339 00	.SCREW,HEX MBX12	1
8	XBOZZ	61080	50173100	SCREW,HEX MBX10	1
9	XBOZA	61080	03292900	.SPACER,SLEEVE	1
10	XBOZZ	61080	03525600	.HOSE,NONMETALLIC 400MM	1
11	XBOZZ	61080	03674200	.HOSE,NONMETALLIC	1
12	XBUZZ	61080	40092700	.STRAP,RETAINING	1
13	XBUZZ	61080	03493600	.HOSE,NONMETALLIC 330MM	1
14	XBOZZ	61080	40037300	.CLAIP	1
15	XBOZZ	61080	03493300	.HOSE,NONMETALLIC 140MM	1
16	XBOZZ	61080	03692900	.SUPPORT	1
17	XBDZZ	61080	50169700	.BOLT,MACHINE	1
18	PAOZZ	61080	500 624 00	.WASHER,SEALING	1
19	XBOZZ	61080	40093300	.BODY,VALVE	1
20	XBOZZ	61080	501 583 00	.WASHER.....	1
21	XBOZA	61080	40028300	.NUT,SELF-LOCKING,HE M6	2
22	PAOZZ	96906	HS35338-158	.WASHER ,LOCK.....	1
23	XBOZZ	61080	501 443 00	.STUD,PLAIN M6X15	2
24	PAOOO	61080	501 514 00	.PUMP,FUEL,CAM ACTUA	1
25	PAOZZ	61080	490 185 00	.SCREW,ASSEMBLED WAS	1
26	PAOZZ	61080	490 184 00	.GASKET	1
27	PAOZZ	61080	490 183 00	.FILTER,FUEL.....	1
28	PAOZZ	61080	501 299 00	.GASKET	1
29	XBOZZ	61080	50006400	.BOLT,FLUID PASSAGE.....	2
30	XBOZA	61080	50001200	.GASKET	4
31	XBOZZ	61080	50015900	.SPACER,RING	2
32	XBOZZ	61080	40028400	.NUT,SELF-LOCKING,HE	2
33	XBOZZ	61080	50171500	.SCREW MACHINE MBX25	2
34	XBOZZ	61080	50171600	.SCREW MACHINE M8X65	2
35	XBOZZ	61080	03525800	.BRACKET,MUUNTING	4
36	XBOZZ	61080	03493000	.SPACER,SLEEVE	2
37	XBOZZ	61080	00691300	.TANK,FUEL,ENGINE	1
38	PAOZZ	61080	400 326 11	.CAP,FILLER OPENING	1

END OF FIGURE

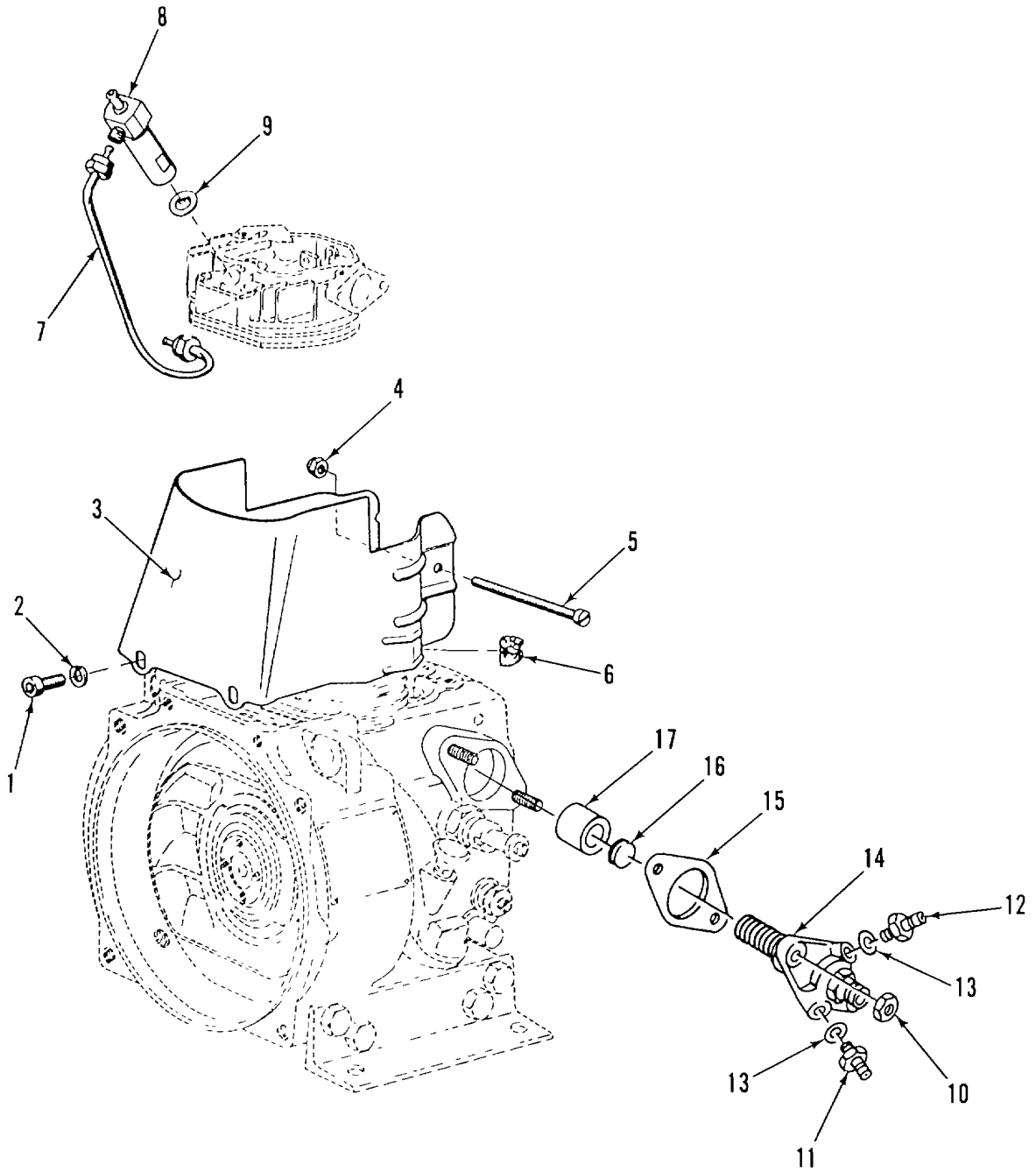


Figure 7. Injection Pump and Injector

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

GROUP 06 ENGINE ASSEMBLY

FIG. 7 INJECTION PUMP AND INJECTOR

1	XBOZZ	61080	50051600	.SCREW,CAP,SOCKET HE M8X16	2
2	XBOZA	61080	50016700	.WASHER 8.4	2
3	XBOZZ	61080	03066601	.COWL CYLINDER	1
4	XBOZA	61080	40028200	.NUT,SELF-LOCKING,HC M5	1
5	XBOZZ	61080	50050100	.SCREW,MACHINE MSX90	1
6	XBOZZ	61080	03150900	.SPACER,RING	1
7	XBOZZ	61080	034 057 00	.TUBE AND FITTINGS,M	1
8	PAOZZ	61080	400 066 00	.INJECTOR ASSEMBLY,F	1
9	PAOZZ	61080	400 031 00	.WASHER,JOINT.....	1
10	XBOZZ	61080	50022900	.NUT,PLAIN,HEXAGON M8	2
11	PAOZZ	61080	03485000	.CONNECTOR,FLIUD,PUM	1
12	XBOZZ	61080	006 710 01	.VALVE,CHECK	1
13	PAOZA	61080	50001100	.GASKET 12X6	2
14	PAOZZ	61080	400 502 01	.PUMP,INJECTION	1
15	PAOZZ	61080	032 094 0	.SHIM 0.10MM	1
15	PAOZA	61080	03209500	.GASKET 0.15M	1
15	PAOZA	61080	03209600	.GASKET 0.20M	1
15	PAOZZ	61080	03209700	.SHIM 0.30M	1
15	PAOZZ	61080	03209800	.SHIM 0.50M	1
16	XBOZZ	61080	03062600	.PLATE,TAPPET.....	1
17	XBOZZ	61080	03064000	.TAPPET	1

END OF FIGURE

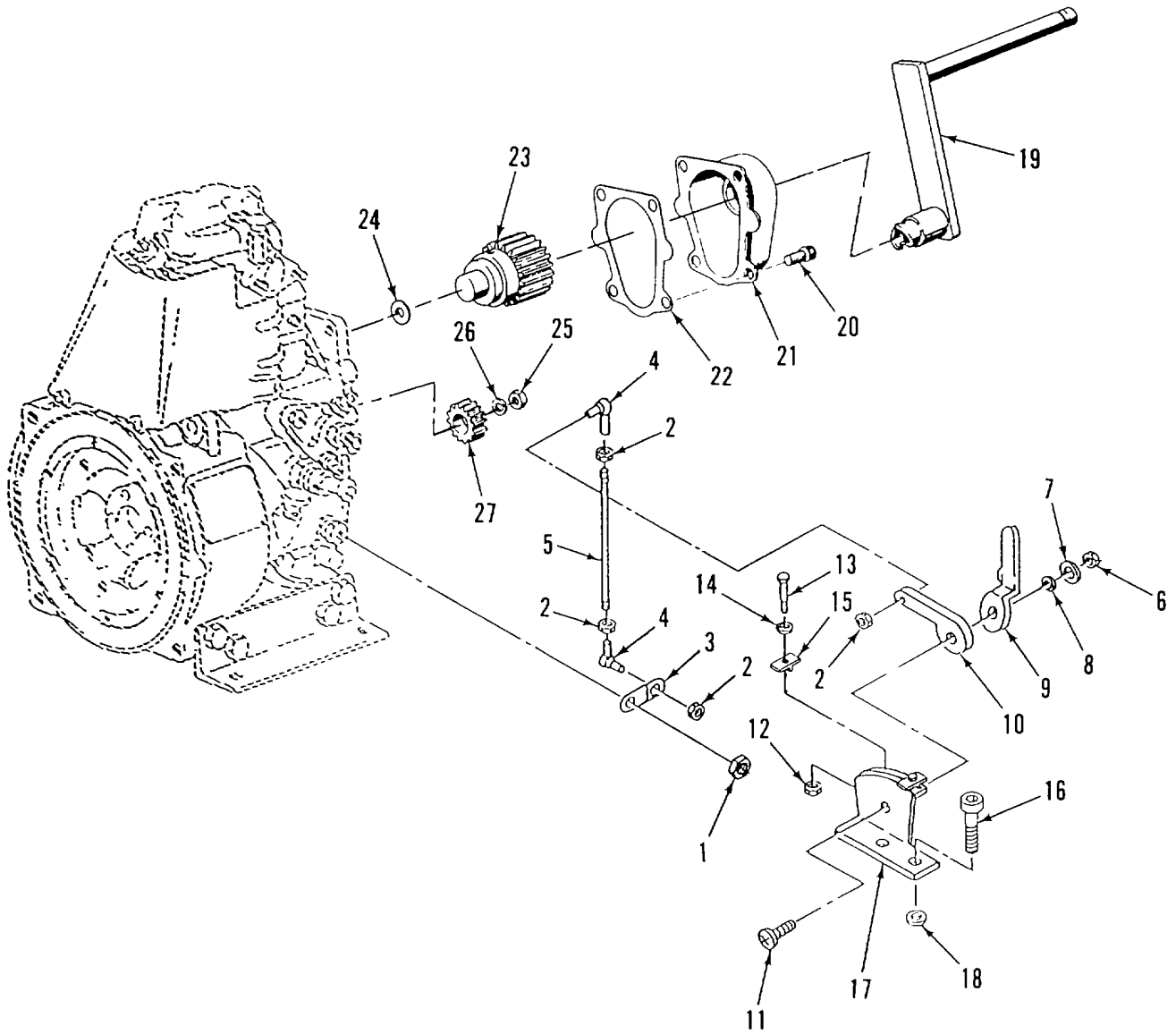


Figure 8. Hand Control Lever and Starting Handle

SECTION II

TM 10-4320-318-24P

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

GROUP 06 ENGINE ASSEMBLY

FIG. 8 HAND CONTROL LEVER AND STARTING HANDLE

1	XBHZZ	61080	50023500	.NUT,PLAIN,HEXAGON M 10	2
2	XBOZA	61080	50022700	.NUT,PLAIN,HEXAGON M6	4
3	XBOZZ	61080	03511900	.LEVER	1
4	XBOZZ	61080	50133300	.BALL JOINT	2
5	XBOZZ	61080	03511000	.ROD,LINKAGE	1
6	XBOZZ	61080	500 232 00	.NUT,HEXAGON M8	1
7	XBOZZ	61080	500 629 00	.DISC,WASHER 8.4.....	1
8	XBOZA	61080	50003500	.WASHER,SPRING TENSI	1
9	XBOZZ	61080	03511500	.LEVER,HAND	1
10	XBOZZ	61080	03511600	.LEVER	1
11	XBOZZ	61080	035 117 00	.SCREW	1
12	XBOZZ	61080	031 121 01	.NUT	2
13	XBOZZ	61080	500 251 00	.SCREW,HEX M5X10	2
14	XBOZZ	61080	500 165 00	.DISC,WASHER 5.3.....	2
15	XBOZZ	61080	031 122 00	.FLAP,FIXING,SPEED C	2
16	XBOZZ	61080	500 520 00	.SCREW,ALLEN M8X20	2
17	XBOZZ	61080	00720400	.CONSOLE	1
18	XBOZA	61080	50016700	.WASHER 8.4	2
19	XBOZZ	61080	003 150 00	.HANDLE,STARTING	1
20	XBOZZ	61080	500 534 00	.SCREW,ALLEN M10 X 16	4
21	XBOZZ	61080	00313701	.HOUSING	1
22	PAOZZ	61080	032 100 00	.GASKET	1
23	XBOZZ	61080	00410611	.GEAR,SPUR	1
24	XBOZZ	61080	400 013 00	.DISC,WASHER.....	1
25	XBOZZ	61080	50024500	.NUT,PLAIN,HEXAGON M16	1
26	XBOZZ	61080	50003200	.WASHER,LOCK.....	1
27	PAOZZ	61080	03112410	.GEAR,SPUR	1

END OF FIGURE

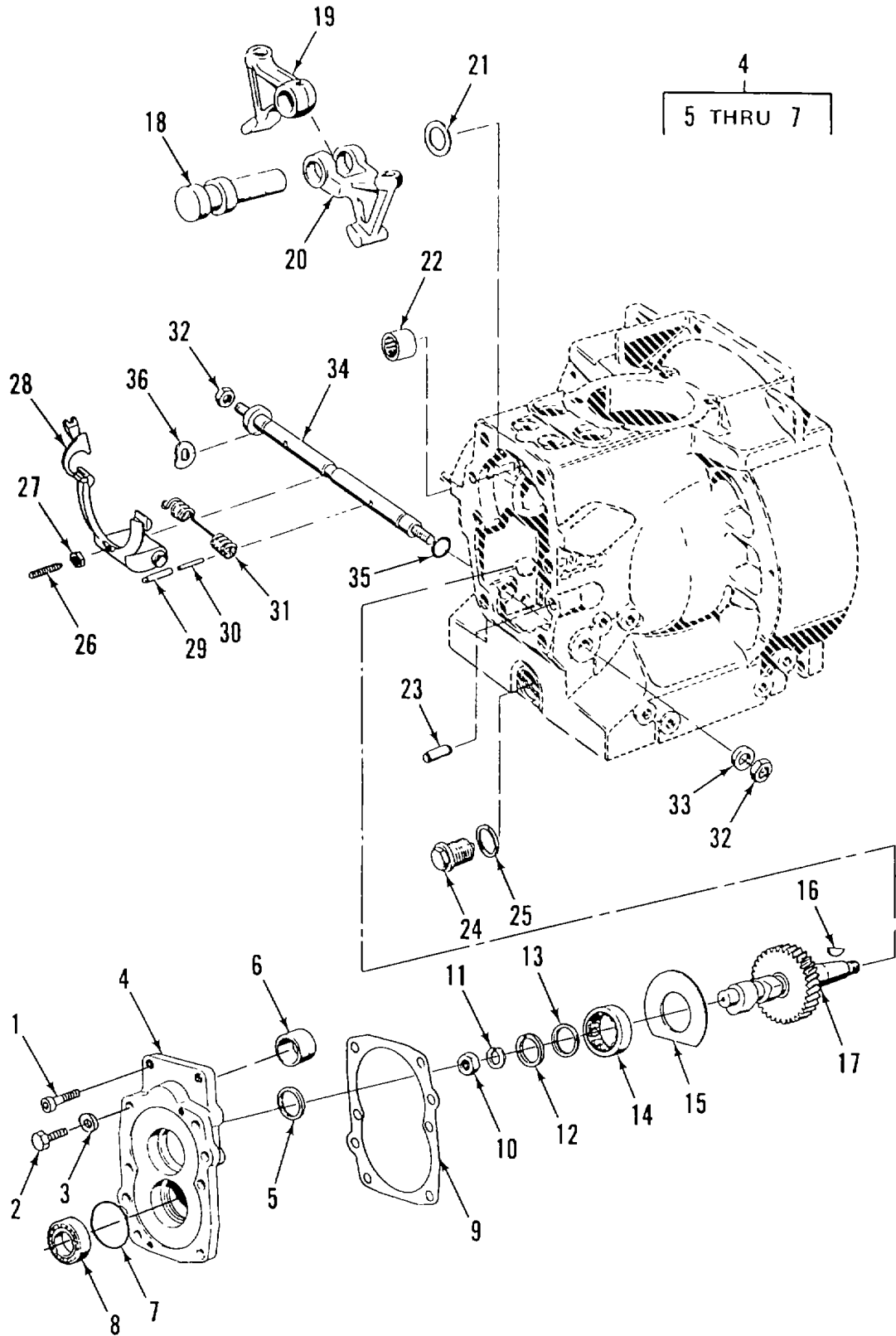


Figure 9. Timing Cover, Camshaft and Governor

SECTION II TM 10-4320-318-24P

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

GROUP 06 ENGINE ASSEMBLY

FIG. 9 TIMING COVER, CAMSHAFT AND GOVERNOR

1	XBHZZ	61080	50053800	.SCREW,CAP,SOCKET HE M10X25	2
2	XBHZA	61080	500292U0	.BOLT,M10X25	4
3	PAHZZ	61080	500010000	.GASKET	4
4	XBHHH	61080	00362310	.COVER,TIMING	1
5	PAHZZ	61080	40033700	..SEAL,PLAIN ENCASED.....	1
6	PAHZZ	61080	400 329 00	..BUSHING,SLEEVE	1
7	XBHIZZ	61080	03612400	..RING,INTERIM	2
8	PAHIZZ	61080	50012900	.BEARING, BALL, ANNULA	1
9	PAHZA	61080	03209202	.GASKET	1
10	XBHZZ	61080	50024500	.NUT,PLAIN,HEXAGON M16	1
11	XBHZZ	61080	50003200	.WASHER,LOCK	1
12	PAHZZ	61080	40037900	.CIRCLIP	1
13	XBHZZ	61080	03278000	.WHEEL,FLANGED	1
14	PAHZZ	61080	50062200	.BEARING,ROLLER,NEED	1
15	XBHZZ	61080	03209300	.SPACER, PLATE	1
16	XBHZZ	61080	50017900	.KEY,WOODRUFF	1
17	XBHHH	61080	03430000	.CAMSHAFT,ENGINE.....	1
18	XBHIZZ	61080	03059700	.SHAFT, SHOULDERED.....	1
19	XBHZZ	61080	03063401	.TAPPET,ENGINE POPPE	1
20	XBHZZ	61080	03063301	.FOLLOWER,CAM	1
21	XBHZZ	61080	03169800	.WASHER,FLAT	1
22	PAHZZ	61080	40036800	.BEARING,ROLLER,NEED	1
23	PAHZZ	61080	03169300	.PIN,STRAIGHT,HEADLE	2
24	XBHZZ	61080	0369103	.PLUG,MACHINE TIREAD	1
25	XBHZZ	61080	50001500	.SPACER,RING 21 X 26	1
26	XBHZZ	61080	50004200	.SETSCREW	1
27	XBHZA	61080	50022700	.NUT,PLAIN,HEXAGON M6	1
28	XBHZZ	61080	00308704	.LEVER,GOVERNOR	1
29	XBHZZ	61080	50034900	.PIN	2
30	XBHZZ	61080	50034300)	.PIN.....	2
31	PAHZZ	61080	03205703	.SPRING,HELICAL,TURS	1
32	XBHZZ	61080	03206100	.NUT,PLAIN,HEXAGON.....	1
33	PAHZZ	61080	03146200	.WASHER,FLAT	1
34	XBHZZ	61008	00427303	.SHAFT	1
35	PAHZZ	61080	40022300	.PACKING,PREFORMED	2
36	XBHZZ	61080	50003600	.WASHER,SPRING TENSILE	1

END OF FIGURE

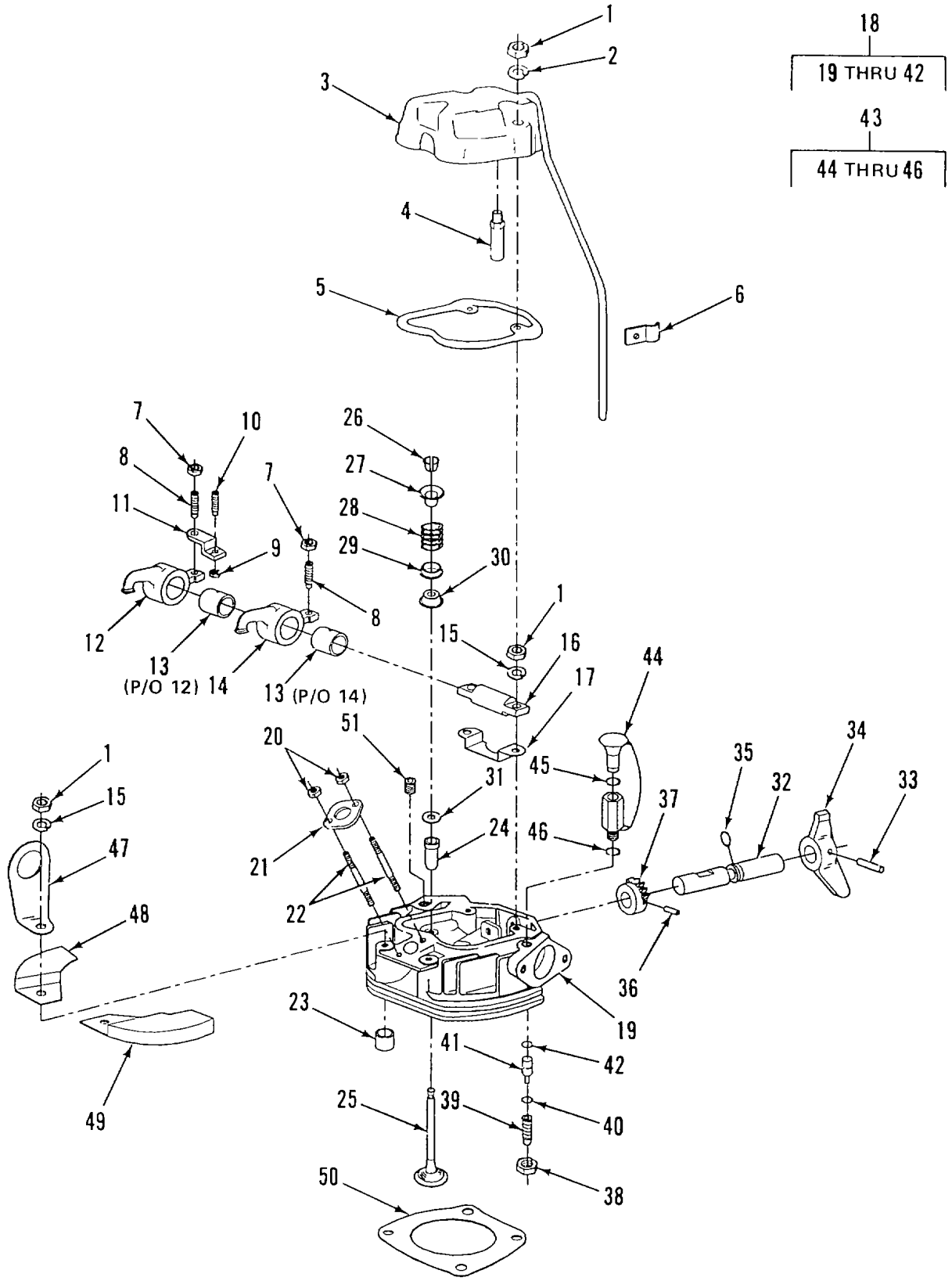


Figure 10. Cylinder Head with Rocker Arms

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

GROUP 06 ENGINE ASSEMBLY

FIG. 10 CYLINDER HEAD WITH ROCKER ARMS

1	XBHZZ	61080	50023400	.NUT,PLAIN,HEXAGON M8X1	6
2	XBHZA	61080	50003500	.WASHER,SPRING TENSI	2
3	XBHZZ	61080	00313802	.COVER,ENGINE POPPET	1
4	XBHZZ	61080	00362004	.VALVE,CHECK	1
5	PAHZZ	61080	03208902	.GASKET	1
6	XBHZZ	61080	03091500	.STRAP,RETAINING	1
7	XBHZZ	61080	03173100	.NUT,PLAIN,HEXAGON	2
8	XBHZZ	61080	03003700	.SETSCREW	2
9	XBHZA	61080	50022700	.NUT,PLAIN,HEXAGON M6	1
10	XBHZZ	61080	03022001	.SCREW,ADJUSTING.....	1
11	XBHZZ	61080	03060002	.BRACKET,DOUBLE ANGL	1
12	XBHZZ	61080	00614201	.ROCKER ARM,ENGINE	1
13	PAHZZ	61080	03430101	..BUSHING	1
14	XBHZZ	61080	00614301	.ROCKER ARM,ENGINE	1
15	XBHZZ	61080	037 663 00	.WASHER,SPRING	2
16	XBHZZ	61080	03061501	.SHAFT,SHOULDERED.....	1
17	XBHZZ	61080	03092500	.CLAMP	1
18	XBHHH	61080	009 076 01	.CYLINDER HEAD ASSEM	1
19	PAHHH	61080	00740121	..CYLINDER HEAD,DIESE	1
20	XBHZA	61080	50022700	...NUT,PLAIN,HEXAGON M6	2
21	XBHZA	61080	03447300	...CLAMP,FUEL INJECTIO	1
22	XBHZA	61080	50111000	...STUD,PLAIN	2
23	XBHZZ	61080	50035700	...PIN,SPRING	2
24	PAHZZ	61080	03208210	...GUIDE,VALVE	2
25	PAHZZ	61080	03569820	..VALVE,POPPET,ENGINE	2
26	PBHZZ	61080	03171910	..VALVE,SPRING,RETAIN	2
27	PAHZZ	61080	03060501	..SEAT,HELICAL COMPRE	2
28	PAHZZ	61080	03208100	..SPRING,HELICAL,COMP	2
29	PAHZZ	61080	03208400	..SEAT,HELICAL COMPRE	2
30	XBHZZ	61080	03208001	..CAP	2
31	XBHZZ	61080	03753800	..RING,SPACER	2
32	XBHZZ	61080	00746800	..SHAFT,ASSEMBLY,DECO	1
33	PAHZZ	61080	50034600	..PIN,SPRING	1
34	XBHZZ	61080	03173401	..KNOB	1
35	PAHZZ	61080	501 543 00	..PACKING,PREFORMED	1
36	PAHZZ	61080	50034100	..PIN,SPRING	1
37	XBHZZ	61080	03570600	..CAM,CONTROL	1
38	XBHZZ	61080	50023800	..NUT,PLAIN,HEXAGON M10	1
39	PAHZZ	61080	03061100	..SCREW,ADJUSTING,DEC	1
40	XBHZZ	61080	50042600	..PLATE SPRING	10
41	PBHZZ	61080	03063800	..SHAFT,DECOMPRESSION	1
42	PAHZZ	61080	50154200	..PACKING,PREFORMED	1
43	XBHZZ	61080	003 618 01	.CUP ASSEMBLY,CYLIND	1
44	PAHZZ	61080	00736300	.CAP,PROTECTIVE,DUST	1
45	PAHZA	61080	50154100	.PACKING,PREFORMED	1
46	PAOZA	61080	50001100	.GASKET 12X16	1
47	XBHZZ	61080	03457800	.BRACKET,ENGINE ACCE	1

SECTION II TM 10-4320-318-24P

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

48	XBHZZ	61080	03066501	.COVER	1
49	XBHZZ	61080	03066401	.DUCT,CYLINDER HEAD.....	1
50	PAHZZ	61080	037 703 00	.GASKET 0.30MM.....	1
50	PAHZA	61080	03581800	.GASKET 0.40MM.....	1
50	PAHZA	61080	03581900	.GASKET 0.50MM.....	1
50	PAHZA	61080	03582000	.GASKET 0.60MM	1
50	PAHZA	61080	03582100	.GASKET 0.70MM.....	1
50	PAHZA	61080	03582200	.GASKET 0.80MM	1
51	XBHZZ	61080	50043700	.PLUG,QUICK DISCONNE	1

END OF FIGURE

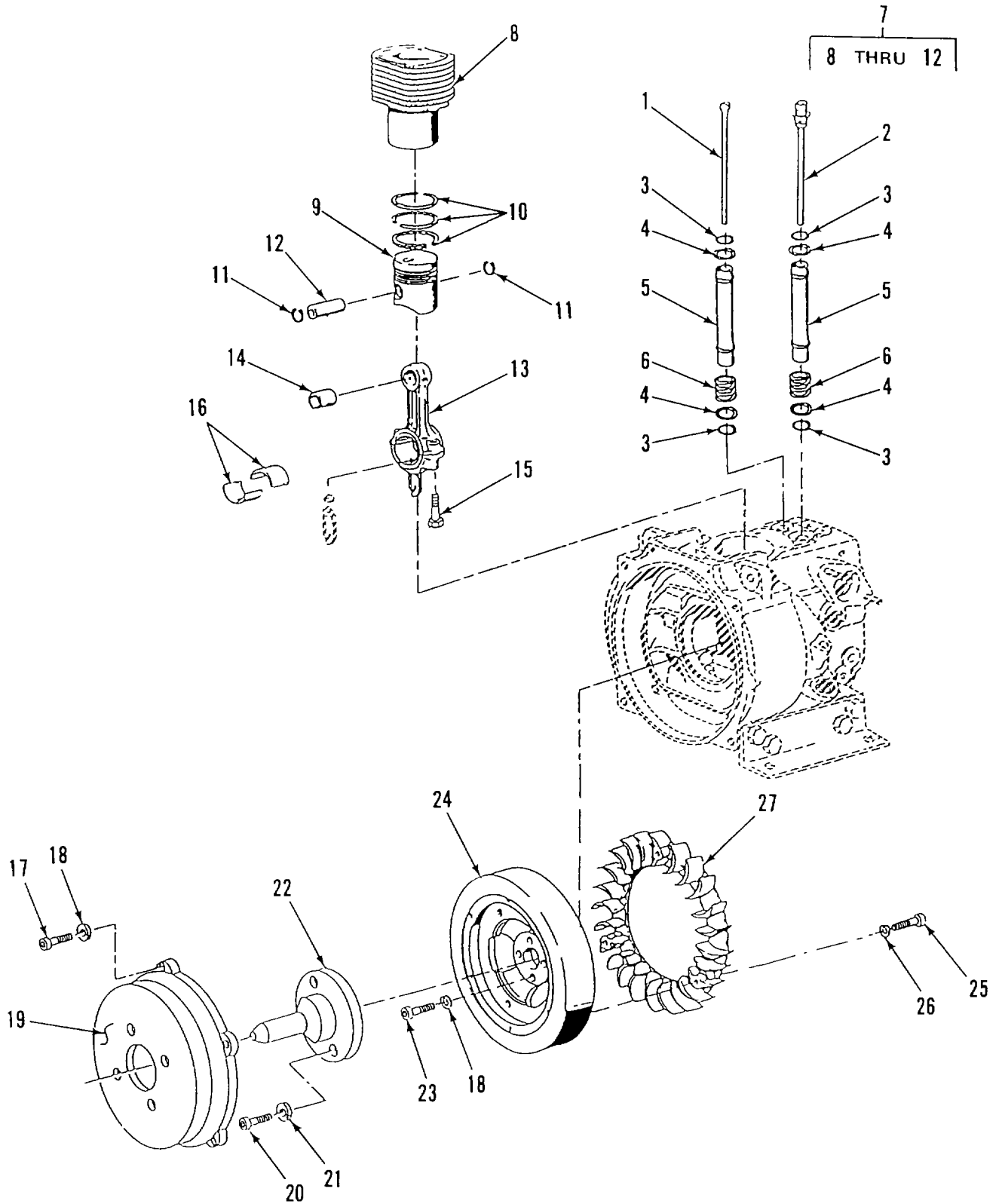


Figure 11. Flywheel, Piston and Connecting Rod

SECTION II

TM 10-4320-318-24P

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

GROUP 06 ENGINE ASSEMBLY

FIG. 11 FLYWHEEL, PISTON, AND
CONNECTING ROD

1	XBHZZ	61080	03063901	.PUSH ROD,ENGINE POP	1
2	XBHZZ	61080	00902600	.PUSH ROD,ENGINE PUP	1
3	PAHZZ	61080	502 580 00	.PACKING,PREFORMED	4
4	PAHZZ	61080	03209101	.WASIER,FLAT	4
5	XBHZZ	61080	03209002	.TUBE,PUSH ROD,HOUSI.....	2
6	PAHZZ	61080	03185100	.SPRING,IHELICAL,COMP	2
7	XBHHF	61080	009 127 00	.CYLINDFR WITH PISTO	1
8	XBHZZ	61080	03583300	..CYLINDER HEAD,HYD	1
9	PAHZZ	61080	00904100	..PISTON W/RING SET	1
10	PAHZA	61080	00904300	..RING SET,PISTON	1
11	PAHZA	61080	50020600	..RING,RETAINING	2
12	PAHZZ	61080	50107500	..PIN,HOLLOW	1
13	PAHZZ	61080	00361300	.CONNECTING ROD,PIST	1
14	PAHZZ	61080	03206900	..BEARING,SLEEVE	1
15	XBHZZ	61080	03393700	..SCREW,CAP,SOCKET HD	2
16	PAHZA	61080	03206700	..BEARING,SLEEVE	1
17	XBFZZ	61080	50054100	.SCREW,ALLEN M10X30.....	4
18	XBFZA	61080	50002900	.WASHER,LOCK	8
19	XBFZZ	61080	03897400	.HOUSING	1
20	XBFZZ	61080	50056200	.SCREW,ALLEN M12 X 25	3
21	XBFZZ	61080	50061600	.WASHER,LOCK M12.....	3
22	XBFZZ	61080	03907100	.STUBSHAFT	1
23	XBFZZ	61080	50054500	.SCREW,CAP,SOCKET HE M10X35.....	4
24	XBFZZ	61080	03063201	.FLYWHEEL,ENGINE	1
25	XBFZZ	61080	40035600	.SCREW,CAP,SOCKET HE	6
26	XBFZZ	61080	40027800	.WASHER,SPECIAL	6
27	XBFZZ	61080	00635000	.RING,BLOWER	1

END OF FIGURE

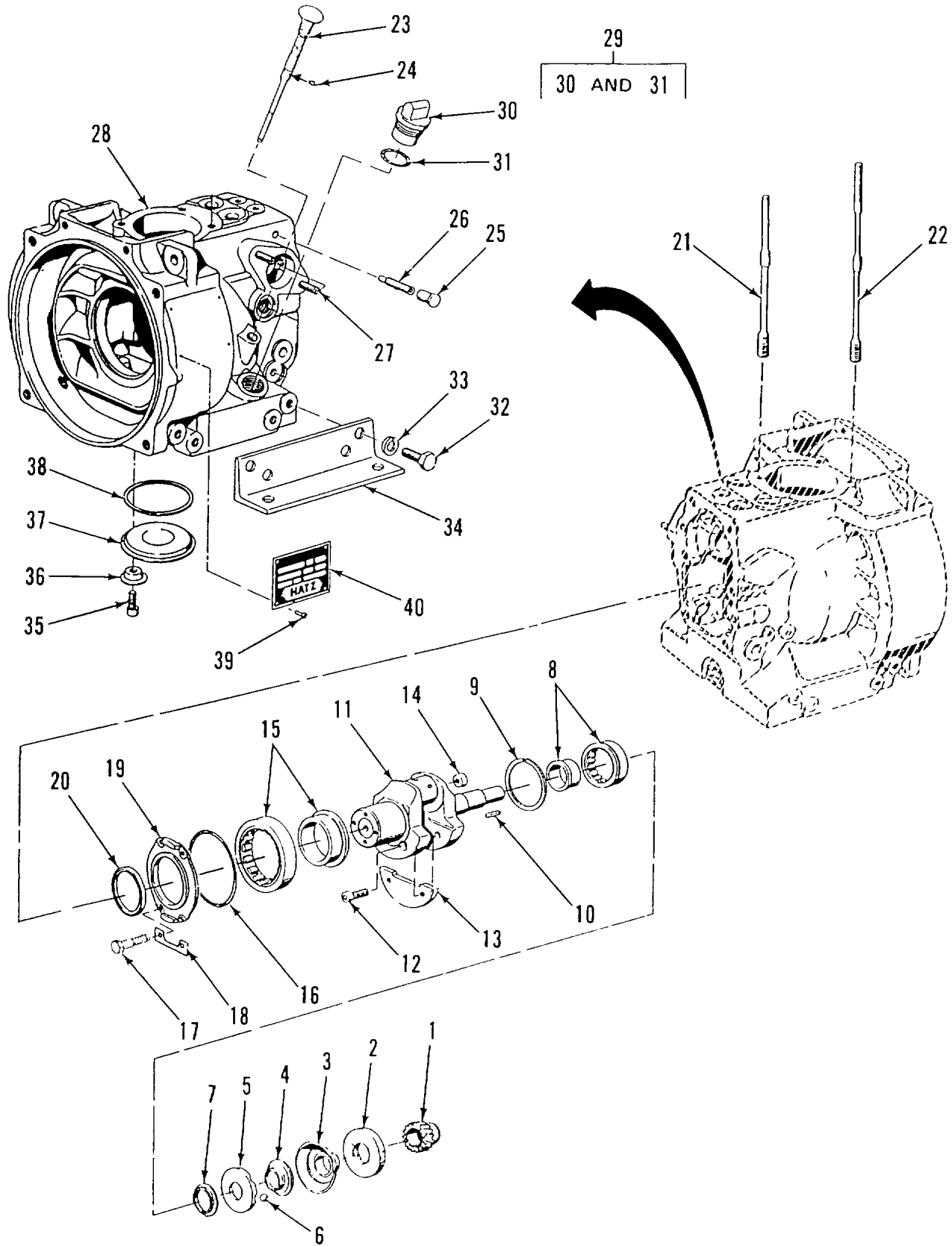


Figure 12. Crankshaft and Crankcase

SECTION II TM 10-4320-318-24P

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

GROUP 06 ENGINE ASSEMBLY

FIG. 12 CRANKSHAFT AND CRANKCASE

1	XBHZZ	61080	03064801	.GEAR, SPUR	1
2	XBHZZ	61080	03004501	.PACKING, PREFORMED	1
3	XBHZZ	61080	00742000	.SHELL ASSEMBLY, BALL	1
4	XBHZZ	61080	03170001	.RETAINER, BALL, GOVER	1
5	XBHZZ	61080	03006602	.HUB, BODY	1
6	PAHZZ	61080	50010000	.BALL, BEARING	4
7	XBHZZ	61080	03206600	.WASHER, SHOULDERED	1
8	PAHZZ	61080	50047700	.BEARING, ROLLER, CYLI	1
9	XBHZZ	61080	50036200	.RING, RETAINING	1
10	PAHZZ	61080	50011100	.KEY	1
11	XBHHH	61080	00361202	.CRANKSHAFT	1
12	XBHZZ	61080	50051800	..SCREW, CAP, SOCKET HE M8X18	4
13	XBHZZ	61080	03060901	..COUNTERWEIGHT	2
14	XBHZZ	61080	03195000	..PLUG	1
15	PAHZZ	61080	50047100	.BEARING, ROLLER, CYLI	1
16	PAHZA	61080	50154000	.PACKING, PREFORMED	1
17	XBHZZ	61080	500-255-00	.SCREW, CAP, HEXAGON H M6X12	4
18	XBHZZ	61080	03205901	.STRAP	2
19	XBHZZ	61080	00563001	.BRACKET, EYE, ROTATIN	1
20	PAHZA	61080	40034200	..SEAL, PLAIN ENCASED	1
21	XBHZZ	61080	03207701	.STUD, RECESSED AND S	2
22	XBHZA	61080	03207600	.STUD, RECESSED AND S	2
23	XBOZZ	61080	003 088 02	.GAGE ROD, LIQUID LEV	1
24	PAOZZ	61080	400 220 00	.PACKING, PREFORMED	1
25	XBOZZ	61080	40039701	.PLUG	1
26	XBOZZ	61080	50062100	.SETSCREW	1
27	XBOZA	61080	50037300	.STUD, PLAIN M8X18	2
28	XBHHH	61080	03611800	.CRANKCASE	1
29	PAOOO	61080	00632101W1	.CAP ASSEHBLY	1
30	XBOZZ	61080	03069004	..CAP, FILLER OPENING	1
31	PAOZA	61080	50153800	..PACKING, PREFORMED	1
32	XBHZA	61080	50029200	.BOLT, MACHINE M10 X 25	8
33	XBHZA	61080	50002900	.WASHER, LOCK 10	8
34	XBHZZ	61080	03062100	.FEET, MOUNTING	2
35	XBHZZ	61080	50050400	.SCREW, CAP, SOCKET HE M6 X 8	4
36	XBHZZ	61080	03206200	.RETAINER, COVER, CRAN	4
37	XBHZZ	61080	03205602	.COVER, CRANKCASE	1
38	PAHZA	61080	40023800	.PACKING, PREFORMED	1
39	XBHZZ	61080	40002500	.PIN, GROOVED, HEADED	4
40	XBOZZ	61080	03639600	.NAMEPLATE	1

END OF FIGURE

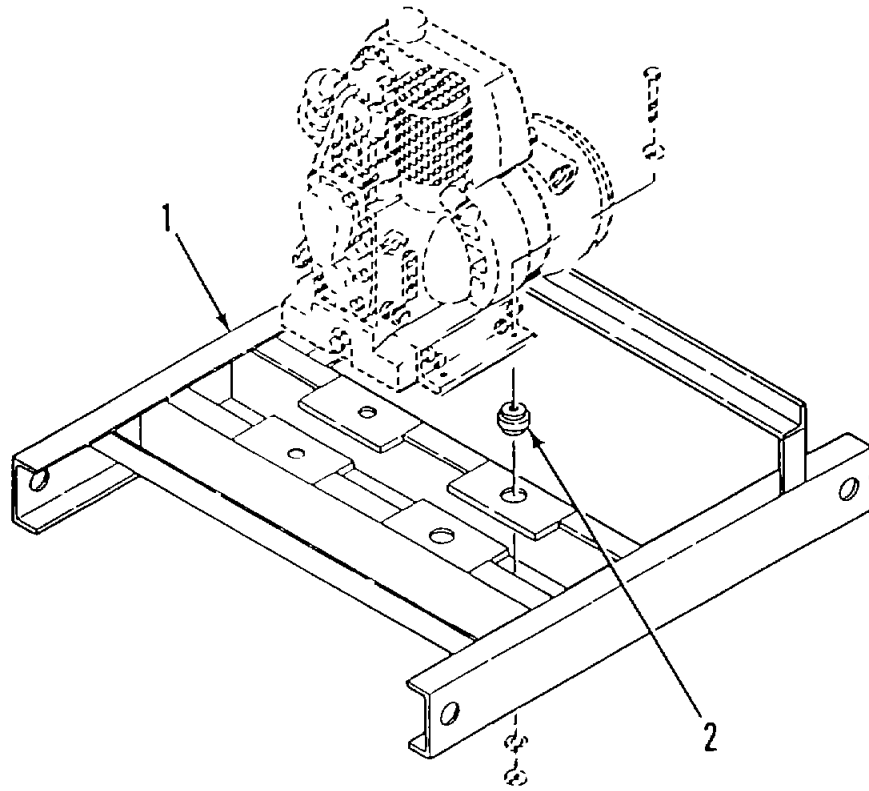


Figure 13. Frame Assembly

SECTION II TM 10-4320-318-24P
 (1) (2) (3) (4) (5) (6)
 ITEM SMR PART
 NO CODE CAGEC NUMBER DESCRIPTION AND USABLE ON CODES (UOC)QTY

GROUP 07 FRAME ASSEMBLY

FIG. 13 FRAME ASSEMBLY

1	XBOFF	62503	D-9024	FRAME	1
2	XBOZZ	2X949	60 050 032-T	T-MOUNT	4

END OF FIGURE

Section III. Special Tools
Not Applicable

CROSS-REFERENCE INDEXES

NATIONAL STOCK NUMBER INDEX

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5305-00-071-2073	2	15	5330-01-264-6288	8	22
5305-00-071-2513	2	5	5330-01-264-6291	10	50
5306-00-225-9098	4	8	5365-01-264-6330	7	15
5305-00-269-3218	1	2	5365-01-264-6331	7	15
5320-00-493-4101	2	12	5365-01-264-6332	7	15
5330-00-551-3963	4	17	2910-01-264-6339	7	8
5310-00-582-5677	2	6	2940-01-264-6347	5	13
5310-00-582-5965	2	8	2940-01-264-6353	5	3
5310-00-584-5272	2	17	5330-01-265-1925	11	3
5310-00-637-9541	1	3	5330-01-265-1926	10	35
4730-00-706-7761	5	4	5330-01-265-1927	12	24
5305-00-724-5910	3	2	3120-01-265-1945	9	6
5310-00-732-0558	1	4	5340-01-267-2310	6	38
5310-00-761-6882	2	9	2990-01-282-2567	1	17
5310-00-763-8920	3	4	5330-01-285-4831	5	6
5310-00-767-9425	2	16			
4320-00-790-6357	4	21			
4320-00-792-8186	4	16			
5310-00-820-6653	3	3			
5310-00-880-7746	4	2			
5310-00-883-9417	6	22			
5307-00-935-1218	4	18			
2815-01-068-3790	11	10			
5330-01-069-9314	12	38			
5365-01-070-2325	11	11			
5330-01-070-6701	12	20			
5330-01-070-7136	12	31			
5330-01-074-1502	10	5			
5330-01-074-1503	10	50			
5330-01-074-1504	9	9			
5330-01-074-2105	10	50			
5330-01-074-2106	10	50			
5330-01-074-2107	10	50			
5330-01-074-2108	10	50			
5330-01-077-3913	10	45			
5330-01-078-4508	7	15			
5330-01-079-9960	12	16			
5330-01-080-1776	7	13			
	10	46			
3120-01-080-3018	11	16			
5330-01-082-6176	7	15			
4330-01-264-6225	6	2			
5310-01-264-6229	6	18			
4330-01-264-6231	6	27			
5310-01-264-6234	7	9			
2815-01-264-6275	6	1			
5305-01-264-6284	6	25			
5330-01-264-6285	6	26			
5330-01-264-6286	6	28			
5330-01-264-6287	1	18			

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
80204	B1821BH025C250N		5305-00-071-2513	2	5
62503	D-9024			13	1
62503	D-9025-13			1	6
62503	D-9025-16			4	27
62503	D-9025-17			4	28
42503	D-9025-18			4	26
62503	D-9025-22			2	2
62503	D-9025-23			2	3
62503	D-9026			2	4
62503	D-9026-1			2	19
62503	D-9026-11			1	11
62503	D-9026-2			2	21
62503	D-9026-27			2	7
62503	D-9026-3			2	14
62503	D-9026-4			22	22
62503	D-9026-5			2	24
62503	D-9026-6			2	10
60503	D-9026-7			2	25
62503	D-9026-8			2	23
62503	D-9038-2			1	1
62503	D-9039			4	1
62503	D-9040			3	1
61080	E673LHK-241		2815-01-264-6275	6	1
98003	HC209ZE			2	13
05083	MM1398		4730-00-706-7761	5	4
96906	MS15795-810		5310-00-582-5677	2	6
96906	MS15795-818		5310-00-767-9425	2	16
96906	MS159B6GP18			4	5
96906	MS15986KP19		5307-00-935-1218	4	18
96906	MS29513-253		5330-00-551-3963	4	17
96906	MS35338-158		5310-00-883-9417	6	22
96906	MS35338-44		5310-00-582-5965	2	8
96906	MS35338-46		5310-00-637-9541	1	3
96906	MS35338-48		5310-00-584-5272	2	17
96906	MS35338-50		5310-00-820-6653	3	3
96906	MS35649-2354			2	18
96906	MS39230-8			1	9
96906	MS39232-16			1	10
96906	MS51953-169			1	7
96906	MS51967-2		5310-00-761-6882	2	9
96906	MS51967-20		5310-00-763-8920	3	4
96906	MS519G7-8		5310-00-732-0558	1	4
96906	MS51968-5		5310-00-880-7746	4	2
96906	MS90725-162		5305-00-724-5910	3	2
96906	MS90725-68		5305-00-269-3218	1	2
96906	MS90726-43		5306-00-225-9098	4	8
96906	MS90728-117		5305-00-071-2073	2	15
81349	M24243/1-B604		5320-00-493-4101	2	12
22313	Q27219			1	8
18265	RBX00-2250		2940-01-264-6353	5	3
14180	T22719A			4	13

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
14180	T227198		4	14
14180	T22720		4	9
61080	003 088 02		12	23
61080	003 150 00		8	19
61080	003 618 01		10	43
61080	00308704		9	28
61080	00313701		8	21
61080	00313802		10	3
61080	003611202		12	11
61080	00361300		11	13
61080	00362004		10	4
61080	00362310		9	4
61080	00410611		8	23
61080	00427303		9	34
61080	00563001		12	19
61080	006 710 01		7	12
61080	00614201		10	12
61080	00614301		10	14
61080	00632101W1		12	29
61080	00635000		11	27
61080	00691300		6	37
61080	00720400		8	17
61080	00736300		10	44
61080	00740121		10	19
61080	00742000		12	3
61080	00746800		10	32
61080	009 076 01		10	18
61080	009 127 00		11	7
61080	00902600		11	2
61080	00904100		11	9
61080	00904300	2815-01-068-3790	11	10
96046	02767		4	6
61080	03003700		10	8
61080	03004501		12	2
61080	03006602		12	5
61080	03022001		10	10
61080	03059700		9	18
61080	03060002		10	11
61080	03060501		10	27
61080	03060901		12	13
61080	03061100		10	39
61080	03061501		10	16
61080	03062100		12	34
61080	03062600		7	16
61080	03063201		11	24
61080	03063301		9	20
61080	03063401		9	19
61080	03063800		10	41
61080	03063901		11	1
61080	03064000		7	17
61080	03064801		12	1

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
61080	03066401			10	49
61080	03066501			10	48
61080	03066601			7	3
61080	03069004			12	30
61080	03091500			10	6
61080	03092500			10	17
61080	031 121 01			8	12
61080	031 122 00			8	15
61080	031 655 00			6	5
61080	03112410			8	27
61080	03146200			9	33
61080	03150900			7	6
61080	03169103			9	24
61080	03169300			9	23
61080	03169800			9	21
61080	03170001			12	4
61080	03171910			10	26
61080	03173100			10	7
61080	03173401			10	34
61080	03185100			11	6
61080	03195000			12	14
61080	032 094 00		5365-01-264-6330	7	15
61080	032 100 00		5330-01-264-6288	8	22
61080	03205602			12	37
61080	03205703			9	31
61080	03205901			12	18
61080	03206100			9	32
61080	03206200			12	36
61080	03206600			12	7
61080	03206700		3120-01-080-3018	11	16
61080	03206900			11	4
96046	03207			4	24
61080	03207600			12	22
61080	03207701			12	21
61080	03208001			10	30
61080	03208100			10	28
61080	03208210			10	24
61080	03208400			10	29
61080	03208902		5330-01-074-1502	10	5
61080	03209002			11	5
61080	03209101			11	4
61080	03209202		5330-01-074-1504	9	9
61080	03209300			9	15
61080	03209500		5330-01-082-6176	7	15
61080	03209600		5330-01-078-4508	7	15
61080	03209700		5365-01-264-6331	7	15
61080	03209800		5365-01-264-6332	7	15
61080	03278000			9	13
61080	03292900			6	9
61080	03393700			11	15
61080	034 057 00			7	7

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
61080	03430000			9	17
61080	03430101			10	13
61080	03447300			10	21
61080	03457800			10	47
61080	03477200		5330-01-285-4831	5	6
61080	03485000			7	11
61808	03492900			6	16
61080	03493000			6	36
61080	03493100			6	3
61080	03493300			6	15
61080	03493600			6	13
61080	035 117 00			8	11
61080	035 206 00			6	6
61080	03511000			8	5
61080	03511500			8	9
61080	03511600			8	10
61080	03511900			8	3
61080	03525600			6	10
61080	03525800			6	35
61080	03569820			10	25
61080	03570600			10	37
61080	03581800		5330-01-074-2105	10	50
61080	03581900		5330-01-074-2106	10	50
61080	03582000		5330-01-074-2107	10	50
61080	03582100		5330-01-074-1503	10	50
61080	03582200		5330-01-074-2108	10	50
61080	03583300			11	8
61080	03611800			12	28
61080	03612400			9	7
61080	03639600			12	40
61080	03674200			6	11
61080	03699700			1	14
61080	037 663 00			10	15
61080	037 703 00		5330-01-264-6291	10	50
61080	03753800			10	31
61080	03892600			5	5
61080	03897400			11	19
61080	03899000			1	15
61080	03907100			11	22
00736	1DM-007		2940-01-264-6347	5	13
00736	1NB-001			5	11
3V554	1NB-004			5	15
96046	11698			4	3
3V554	12B-006			5	10
00736	12PGJ			5	16
97403	13200E8804			4	22
97403	13200E8808			4	12
97403	13200E8815		4320-00-792-8186	4	16
96046	16065			4	23
96046	16067			4	11
96046	16072			4	19

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
00736	204302			5	1
00736	204302-800			5	1
00736	20515C			5	9
00736	22853			5	12
41592	239-3/4INCH			4	29
96046	292825A			4	20
96046	29594			4	10
39428	3608T28			2	11
96046	37584			4	7
61080	400 013 00			8	24
61080	400 031 00		5310-01-264-6234	7	9
61080	400 066 00		2910-01-264-6339	7	8
61080	400 220 00		5330-01-265-1927	12	24
61080	400 326 11		5340-01-267-2310	6	38
61080	400 329 00		3120-01-265-1945	9	6
61080	400 502 01			7	14
61080	400 816 00			1	16
61080	400 894 01		4330-01-264-6225	6	2
61080	40002500			12	39
61080	40022300			9	35
61080	40023800		5330-01-069-9314	12	38
61080	40027800			11	26
61080	40028200			7	4
61080	40028300			6	21
61080	40028400			6	32
61080	40033700			9	5
61080	40034200		5330-01-070-6701	12	20
61080	40035600			11	25
61080	40036800			9	22
61080	40037300			6	14
61080	40037900			9	12
61080	40039701			12	2
61080	40081600			5	2
61080	40092700			6	12
61080	40093300			6	19
39428	4539K71			4	25
34928	4638K136			5	8
39428	4638K169			2	1
61080	490 183 00		4330-01-264-6231	6	27
61080	490 184 00		5330-01-264-6285	6	26
61080	490 185 00		5305-01-264-6284	6	5
61080	500 165 00			8	14
61080	500 232 00			8	6
61080	500 251 00			8	13
61080	500 520 00			8	16
61080	500 527 00			6	4
61080	500 534 00			8	20
61080	500 624 00		5310-01-264-6229	6	18
61080	500 629 00			8	7
61080	500-255-00			12	17
61080	50001000			9	3

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
61080	50001100		5330-01-080- 1776	7	13
				10	46
61080	50001200			6	30
61080	50001500			9	25
61080	50002900			11	18
				12	33
61080	50003200			8	26
				9	11
61080	50003500			8	8
				10	2
61080	50003600			9	36
61080	50004200			9	26
61080	50006400			6	29
61080	50010000			12	6
61080	50011100			12	10
61080	50012900			9	8
61080	50015900			6	31
61080	50016700			7	2
				8	18
61080	50016800			1	13
61080	50017900			9	16
61080	50020600		5365-01-070-2325	11	11
61080	50022700			8	2
				9	27
				10	9
				10	20
61080	50022900			7	10
61080	50023400			10	1
61080	50023500			8	1
61080	50023800			10	38
61080	50024500			8	25
				9	10
61080	50029200			9	2
				12	32
61080	50034100			10	36
61080	50034300			9	30
61080	50034600			10	33
61080	50034900			9	29
61080	50035700			10	23
61080	50036200			12	9
61080	50037200			5	7
61080	50037300			12	27
61080	50037800			1	19
61080	50042600			10	40
61080	50043700			10	51
61080	50047100			12	15
61080	50047700			12	8
61080	50050100			7	5
61080	50050400			12	35
61080	50051600			7	1
61080	50051800			12	12

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
			STOCK NUMBER		
61080	50053800			9	1
61080	50054100			11	17
61080	50054500			11	23
61080	50056200			11	20
61080	50061600			11	21
61080	50062100			12	26
61080	50062200			9	14
61080	501 299 00		5330-01-264-6266	6	28
61080	501 339 00			6	7
61080	501 443 00			6	23
61080	501 543 00			6	24
61080	501 583 00		5330-01-265-1926	10	35
61080	501 587 00			6	20
61080	501 731 00			1	12
61080	50107500			11	12
61080	50111000			10	22
61080	50122400		5330-01-264-6287	1	18
61080	50133300			8	4
61080	50153800		5330-01-070-7136	12	31
61080	50154000		5330-01-079-9960	12	16
61080	50154100		5330-01-077-3913	10	45
61080	50154200			10	42
61080	50169700			6	17
61080	50171500			6	33
61080	50171600			6	34
61080	50173100			6	8
61080	502 580 00		5330-01-265-1925	11	3
19220	5601U			2	20
2X949	60 050 032-T			13	2
96046	G1753SA			4	4
96046	62730			4	15
73680	70005-0012		4320-00-790-6357	4	21
62503	9025 XX			1	5
61080	99400010		2990-01-282-2567	1	17

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	CAGEC	
1	1		62503	D-9038-2
1	2	5305-00-269-3218	96906	MS90725-68
1	3	5310-00-637-9541	96906	MS35338-46
1	4	5310-00-732-0558	96906	MS51967-8
1	5		62503	9025-XX
1	6		62503	D-9025-13
1	7		96906	MS51953-169
1	8		22313	Q27219
1	9		96906	MS39230-8
1	10		96906	MS39232-16
1	11		62503	D-9026-11
1	12		61080	501 731 00
1	13		61080	50016800
1	14		61080	03699700
1	15		61080	03899000
1	16		61080	400 816 00
1	17	2990-01-282-2567	61080	99400010
1	18	5330-01-264-6287	61080	50122400
1	19		61080	50037800
2	1		39428	4638K169
2	2		62503	D-9025-22
2	3		62503	D-9025-23
2	2	5305-00-071-2513	80204	B1821BH025C250N
2	6	5310-00-582-5677	96906	MS15795-810
2	7		62503	D-9026-Z7
2	8	5310-00-582-5965	96906	MS35338-44
2	9	5310-00-761-6882	96906	MS519G7-2
2	10		62503	D-9026-6
2	11		39428	3608T28
2	12	5320-00-493-4101	81349	M24243/1-B604
2	13		98003	HC209ZE
2	14		62503	D-9026-3
2	15	5305-00-071-2073	96906	MS90728-117
2	16	5310-00-767-9425	96906	MS15795-818
2	17	5310-00-584-5272	96906	MS35338-48
2	18		96906	MS35649-2354
2	19		62503	D-9026-1
2	20		19220	56010
2	21		62503	D-9026-2
2	23		62503	D-9026-8
2	24		62503	D-9026-5
2	25		62503	D-9026-7
3	1		62503	D-9040
3	2	5305-00-724-5910	96906	MS90725-162
3	3	5310-00-820-6653	96906	MS35338-50
3	4	5310-00-763-8920	96906	MS51967-20
4	1		62503	D-9039
4	2	5310-00-880-7746	96906	MS51968-5
4	3		96046	11698
4	4		96046	61753SA

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	CAGEC	
4	5		96906	MS1598GGP18
4	6		96046	02767
4	7		96046	37584
4	8	5306-00-225-9098	96906	MS90726-43
4	9		14180	T22720
4	10		96046	29594
4	11		96046	16067
4	12		97403	17200E8808
4	13		14180	T22719A
4	14		14180	T22719B
4	15		96046	62730
4	16	4320-00-792-8186	97403	132UOE8815
4	17	5330-00-551-3963	96906	MS29513-253
4	18	5307-00-935-1218	96906	MS15986KP19
4	19		96046	I6072
4	20		96046	92825A
4	21	4320-00-790-6357	73680	70005-0012
4	22		97403	13200E8804
4	23		96046	16065
4	24		96046	03207
4	25		39428	4539K71
4	26		62503	D-9025-1B
4	27		62503	D-9025-16
4	28		62503	D-9025-17
4	29		41592	239-3/4INCH
5	1		00736	204302
5	2		61080	40081600
5	3	2940-01-264-6353	18265	RBX00-2250
5	4	4730-00-706-7761	05083	MM1398
5	5		61080	03892G00
5	6	5330-01-285-4831	61080	034477200
5	7		61080	50037200
5	8		34928	468K136
5	9		00736	20515C
5	10		3V554	12B-006
5	11		00736	1NB-001
5	12		00736	22853
5	13	2940-01-264-6347	00736	IDM-007
5	14		00736	204302-800
5	15		3V554	INB-004
5	16		00736	12PGJ
6	1	2815-01-264-6275	61080	E673LHK-241
6	2	4330-01-264-6225	61080	400 894 01
6	3		61080	03493100
6	4		61080	500 527 00
6	5		61080	031 655 00
6	6		61080	035 206 00
6	7		61080	501 339 00
6	8		61080	50173100
6	9		61080	03292900
6	10		61080	03525600

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	CAGEC	
6	11		61080	03674200
6	12		61080	40092700
6	13		61080	03493600
6	14		61080	40037300
6	15		61080	03493300
6	16		61080	03492900
6	17		61080	50169700
6	18	5310-01-264-6229	61080	500 624 00
6	19		61080	40093300
6	20		61080	501 583 00
6	21		61080	40028300
6	22	5310-00-883-9417	96906	MS35338-158
6	23		61080	501 443 00
6	24		61080	501 514 00
6	25	5305-01-264-6284	61080	490 185 00
6	26	5330-01-264-6285	61080	490 184 00
6	27	4330-01-264-6231	61080	490 183 00
6	28	5330-01-264-6286	61080	501 299 00
6	29		61080	50006400
6	30		61080	50001200
6	31		61080	50015900
6	32		61080	40028400
6	33		61080	50171500
6	34		61080	50171600
6	35		61080	03525800
6	36		61080	03493000
6	37		61080	00691300
6	38	5340-01-267-2310	61080	400 326 11
7	1		61080	50051600
7	2		61080	50016700
7	3		61080	03066601
7	4		61080	4002821)0
7	5		61080	50050100
7	6		61080	03150900
7	7		61080	034 057 00
7	8	2910-01-264-6339	61080	400 066 00
7	9	5310-01-264-6234	61080	400 031 00
7	10		61080	50022900
7	11		61080	03485000
7	12		61080	006 710 01
7	13	5330-01-080-1776	61080	50001100
7	14		61080	400 502 01
7	15	5330-01-078-4508	61080	03209600
7	15	5330-01-082-6176	61080	03209500
7	15	5365-01-264-6330	61080	032 094 00
7	15	5365-01-264-6331	61080	03209700
7	15	5365-01-264-6332	61080	03209800
7	16		61080	03062600
7	17		61080	03064000
8	1		61080	50023500
8	2		61080	50022700

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	CAGEC	
8	3		61080	03511900
8	4		61080	50133300
8	5		61080	03511000
8	6		61080	500 232 00
8	7		61080	500 629 00
8	8		61080	50003500
8	9		61080	03511500
8	10		61080	03511600
8	11		61080	035 117 00
8	12		61080	031 121 01
8	13		61080	500 251 00
8	14		61080	500 165 00
8	15		61080	031 122 00
8	16		61080	500 520 00
8	17		61080	00720400
8	18		61080	50016700
8	19		61080	003 150 00
8	20		61080	500 534 00
8	21		61080	00313701
8	22	5330-01-264-6288	61080	032 100 00
8	23		61080	00410611
8	24		61080	400 013 00
8	25		61080	50024500
8	26		61080	50003200
8	27		61080	03112410
9	1		61080	50053800
9	2		61080	50029200
9	3		61080	50001000
9	4		61080	0 0362310
9	5		61080	40033700
8	8	3120-01-265-1945	61080	400 329 00
9	7		61080	03612400
9	8		61080	50012900
9	9	5330-01-074-1504	61080	03209202
9	10		61080	50024500
9	11		61080	50003200
8	12		61080	40037900
9	13		61080	03278000
9	14		61080	50062200
9	15		61080	03209300
9	16		61080	50017900
9	17		61080	03430000
9	18		61080	03059700
9	19		61080	03063401
8	20		61080	03063301
9	21		61080	03169800
9	22		61080	40036800
9	23		61080	03169300
9	24		61080	03169103
9	25		61080	50001500
9	26		61080	50004200

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	CAGEC	
9	27		61080	50022700
9	28		61080	00308704
9	29		61080	50034900
9	30		61080	50034300
9	31		61080	03205703
9	32		61080	03206100
9	33		61080	03146200
9	34		61080	00427303
9	35		61080	40022300
9	36		61080	50003600
10	1		61080	50023400
10	2		61080	50003500
10	3		61080	00313802
10	4		61080	00362004
10	5	5330-01-074-1502	61080	03208902
10	6		61080	03091500
10	7		61080	03173100
10	8		61080	03003700
10	9		61080	50022700
10	10		61080	03022001
10	11		61080	03060002
10	12		61080	00614201
10	13		61080	03430101
10	14		61080	00614301
10	15		61080	037 663 00
10	16		61080	03061501
10	17		61080	03092500
10	18		61080	009 076 01
10	19		61080	00740121
10	20		61080	50022700
10	21		61080	03447300
10	22		61080	50111000
10	23		61080	50035700
10	24		61080	03208210
10	25		61080	03569820
10	26		61080	03171910
10	27		61080	03060501
10	28		61080	03208100
10	29		61080	03208400
10	30		61080	03208001
10	31		61080	03753800
10	32		61080	00746800
10	33		61080	50034600
10	34		61080	03173401
10	35	5330-01-265-1926	61080	501 543 00
10	36		61080	50034100
10	37		61080	03570600
10	38		61080	50023800
10	39		61080	03061100
10	40		61080	50042600
10	41		61080	03063800

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	CAGEC	
10	42		61080	50154200
10	43		61080	003 618 01
10	44		61080	00736300
10	45	5330-01-077-3913	61080	50154100
10	46	5330-01-080-1776	61080	50001100
10	47		61080	03 4157800
10	48		61080	03066501
10	49		61080	03066401
10	50	5330-01-074-1503	61080	03582100
10	50	5330-01-074-2105	61080	03581800
10	50	5330-01-074-2106	61080	03581900
10	50	5330-01-074-2107	61030	03582000
10	50	5330-01-074-2108	61080	03582200
10	50	5330-01-264-6291	61080	037 703 00
10	51		61080	50043700
11	1		61080	03063901
11	2		61080	00902600
11	3	5330-01-265-1925	61000	502 580 00
11	4		61080	03209101
11	5		61080	03209002
11	6		61080	03185100
11	7		61080	009 127 00
11	8		61080	03583300
11	9		61080	00904100
11	10	2815-01-068-3790	61080	00904300
11	11	5365-01-070-2325	61080	50020600
11	12		61080	50107500
11	13		61080	00361300
11	14		61080	03206900
11	15		61080	03393700
11	16	3120-01-080-3018	61080	03206700
11	17		61080	50054100
11	18		61080	50002900
11	19		61080	03897400
11	20		61080	50056200
11	21		61080	50061600
11	22		61080	03907100
11	23		61080	50054500
11	24		61080	03063201
11	25		61080	40035600
11	26		61080	40027800
11	27		61080	00635000
12	1		61080	03064801
12	2		61080	03004501
12	3		61080	00742000
12	4		61080	03170001
12	5		61080	03006602
12	6		61080	50010000
12	7		61080	03206600
12	8		61080	50047700
12	9		61080	50036200

CROSS REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	CAGEC	
12	10		61080	50011100
12	11		61080	00361202
12	12		61080	50051800
12	13		61080	03060901
12	14		61080	03195000
12	15		61080	50047100
12	16	5330-01-079-9960	61080	50154000
12	17		61080	500-255-00
12	18		61080	03205901
12	19		61080	00563 0 01
12	20	5330-01-070-6701	61080	40034200
12	21		61080	03207701
12	22		61080	03207600
12	23		61080	003 088 02
12	24	5330-01-265-1927	61080	400 220 00
12	25		61080	40039701
12	26		61080	50062100
12	27		61080	50037300
12	28		61080	03611800
12	29		61080	00632101W1
12	30		61080	03069004
12	31	5330-01-070-7136	61080	50153800
12	32		61080	50029200
12	33		61080	50002900
12	34		61080	03062100
12	35		61080	50050400
12	36		61080	03206200
12	37		61080	03205602
12	38	5330-01-069-9314	61080	40023800
12	39		61080	40002500
12	40		61080	03639600
13	1		62503	D-9024
13	2		2X949	60 050 032-T
22	22		62503	D-9026-4

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TM 10-4320-318-24P

By Order of the Secretary of the Army:

GORDON R. SULLIVAN
General, United States Army
Chief of Staff

Official:



MILTON H. HAMILTON
Administrative Assistant to the
Secretary of the Army
06457

DISTRIBUTION:

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

Liquid Measure

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

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29,573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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