

**ARMY**

**\* TM 9-2805-258-24 P**

**AIR FORCE**

**TO 38 G 2-89-34**

**MARINE CORPS**

**SL-4-03523 D**

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**TECHNICAL MANUAL**

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

**FOR**

**ENGINE, GASOLINE, 10 HP  
MILITARY STANDARD MODELS**

**(MODEL 2A042-2, NSN 2805-00-952-3927)**

**(MODEL 2A042-3, NSN 2805-00-872-5971)**

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

\* This manual supersedes TM5-2805-258-24P/TO38G2-89-34/SL-4-03523C, dated 27 July 1988, and all changes.

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**HEADQUARTERS, DEPARTMENT OF THE ARMY,  
AIR FORCE, AND HEADQUARTERS,  
U.S. MARINE CORPS**

**31 MARCH 1993**



CHANGE

HEADQUARTERS  
DEPARTMENTS OF THE ARMY AND AIR FORCE,  
AND HEADQUARTERS, U.S. MARINE CORPS  
WASHINGTON, D.C., 30 April 1997

NO. 2

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

**ENGINE, GASOLINE, 10 HP,**  
**MILITARY STANDARD MODELS**  
**(MODEL 2A042-2, NSN 2805-00-952-3927)**  
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**ARMY TM 9-2805-258-24P**  
**AIR FORCE TO 38G2-89-34**  
**MARINE CORPS SL-4-03523D**  
**C2**

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AIR FORCE TO 38G2-89-34  
MARINE CORPS SL-4-03523D  
C1**

CHANGE

HEADQUARTERS,  
DEPARTMENTS OF THE ARMY AND AIR FORCE,  
AND HEADQUARTERS, U.S. MARINE CORPS  
WASHINGTON, D.C., 30 AUGUST 1996

NO. 1

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

**ENGINE, GASOLINE, 10 HP,  
MILITARY STANDARD MODELS  
(MODEL 2A042-2, NSN 2805-00-952-3927)  
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Remove pages  
i and ii  
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I-1 through 1-6

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i and ii  
27-1 and Figure 28  
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TECHNICAL MANUAL

HEADQUARTERS, DEPARTMENTS OF  
THE ARMY, AND THE AIR FORCE, AND  
HEADQUARTERS, U.S. MARINE CORPS  
WASHINGTON, D.C., 31 March 1993

NO. 1

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

**FOR**

**ENGINE, GASOLINE, 10 HP  
MILITARY STANDARD MODELS**

**(MODEL 2A042-2, NSN 2805-00-952-3927)  
(MODEL 2A042-3, NSN 2805-00-872-5971)**

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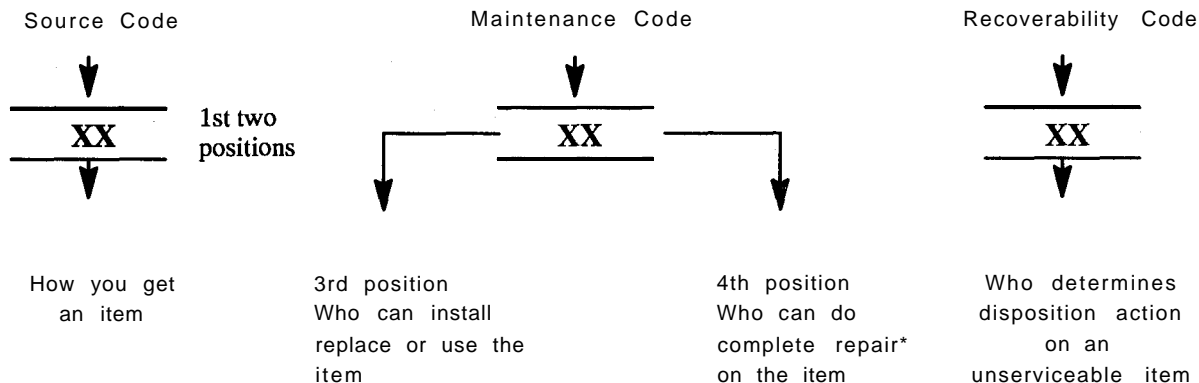
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## UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

### Section 1. 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 Engine, Gasoline, 10hp, Military Standard Models. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.
2. GENERAL. In addition to this section, Introduction, this Repair Parts and Special Tools List is divided into the following sections:
  - a. Section II. Repair Parts List. A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. This list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence. Items are shown in the associated illustration(s)/figure(s).
  - b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.
  - c. Section IV. Cross-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 numbers in alphanumeric sequence and cross references NSN, CAGEC and part number.
3. EXPLANATION OF COLUMNS (SECTIONS II AND III).
  - a. ITEM NO. (Column (1)). indicates the number used to identify items called out in the illustration.
  - b. SMR Code (Column (2)). The Source, Maintenance, and Recoverability (SMR) code is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout:





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

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

Source Code	Explanation
P A P B P C * * P D P E P F P G	} Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code.  **NOTE: Items coded PC are subject to deterioration.
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.
MO - (Made at Unit/AVUM Level) MF - (Made at DS/AVUM Level) MH - (Made at GS Level) ML - (Made at Specialized Repair Activity (SRA)) MD - (Made at Depot)	} 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.
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 3rd position code of the SMR code authorizes you to replace the item, but the source code indicates the items are assembled at a higher level, order the item from the higher level of maintenance.
XA -	Do not requisition "XA"-coded item. Order its next higher assembly. (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 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.

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**NOTE**

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

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

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

**Maintenance**

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

(b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (i.e., perform all authorized repair functions.)

**NOTE**

Some limited repair may be done on an item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart and SMR codes.

**Maintenance**

<b>Code</b>	<b>Application/Explanation</b>
O -	Unit/AVUM is the lowest level that can do complete repair of the item.
F -	Direct support/AVIM 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 3d position of SMR Code.
- O - Reparable item. When not economically reparable, condemn and dispose of the item at unit or AVUM level.
- F - Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support or AVIM 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 Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency/activity that supplies the item.

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

### NOTE

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

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

- (1) The Federal item name and, when required, a minimum description to identify the item.
- (2) Part numbers of bulk materials are referenced in this column in the line entry to be manufactured/fabricated.

(3) The statement "END OF FIGURE" appears just below the last item description in Column (5) for a given figure in both Section II and Section III.

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

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

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

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

<u>NSN</u>
5305-01-574-1467
<u>NIIN</u>

When using this column to locate an item, ignore the first four digits of the NSN. Use the complete NSN (13 digits) when requisitioning items by stock number.

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

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

b. PART NUMBER INDEX. Part numbers in this index are listed by part number in ascending alpha-numeric 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 Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency/activity that supplies the item.

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

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

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

(5) ITEM Column. The item number is that number assigned to the item as it appears in the figure referenced in 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 Section 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/activity that supplies the item.

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

5. SPECIAL INFORMATION.

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

b. FABRICATION INSTRUCTIONS. Bulk materials required to manufacture items are listed in the Bulk Material Functional Group of this RPSTL. Part numbers for bulk materials are also referenced in the description column of the line entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded to be manufactured or fabricated are found in TM9-2805-258-14.

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 publications listed below pertain to the Engine, Gasoline, 10hp Military Standard Models and its components.

<u>Publication</u>	<u>Short Title</u>
LO9-2805-258-12	Lubrication Order, Gasoline Engine, 10hp Military Standard Models.
TM9-2805-258-14	Operator, Unit, Direct Support and General Support Maintenance Manual.

6. HOW TO LOCATE REPAIR PARTS.

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

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

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

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

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

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

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

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



Section II

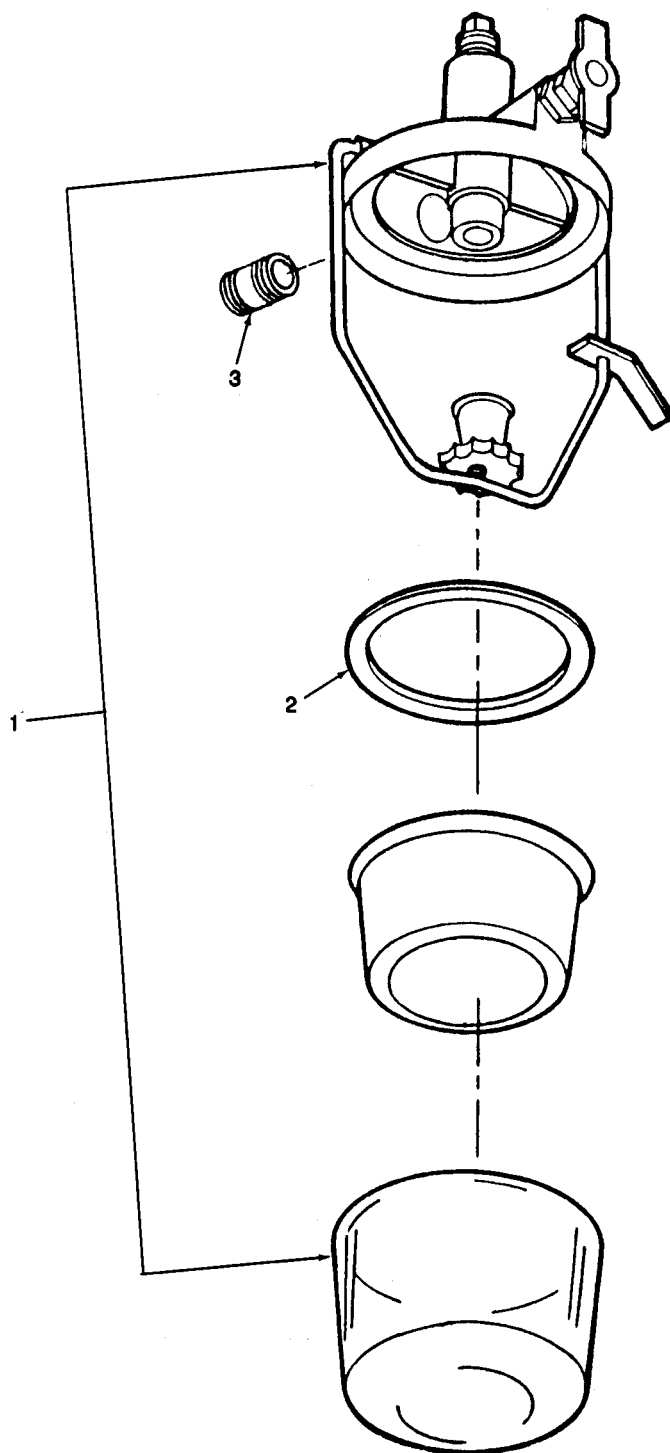


Figure 1. Fuel Filter Assembly





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SECTION II

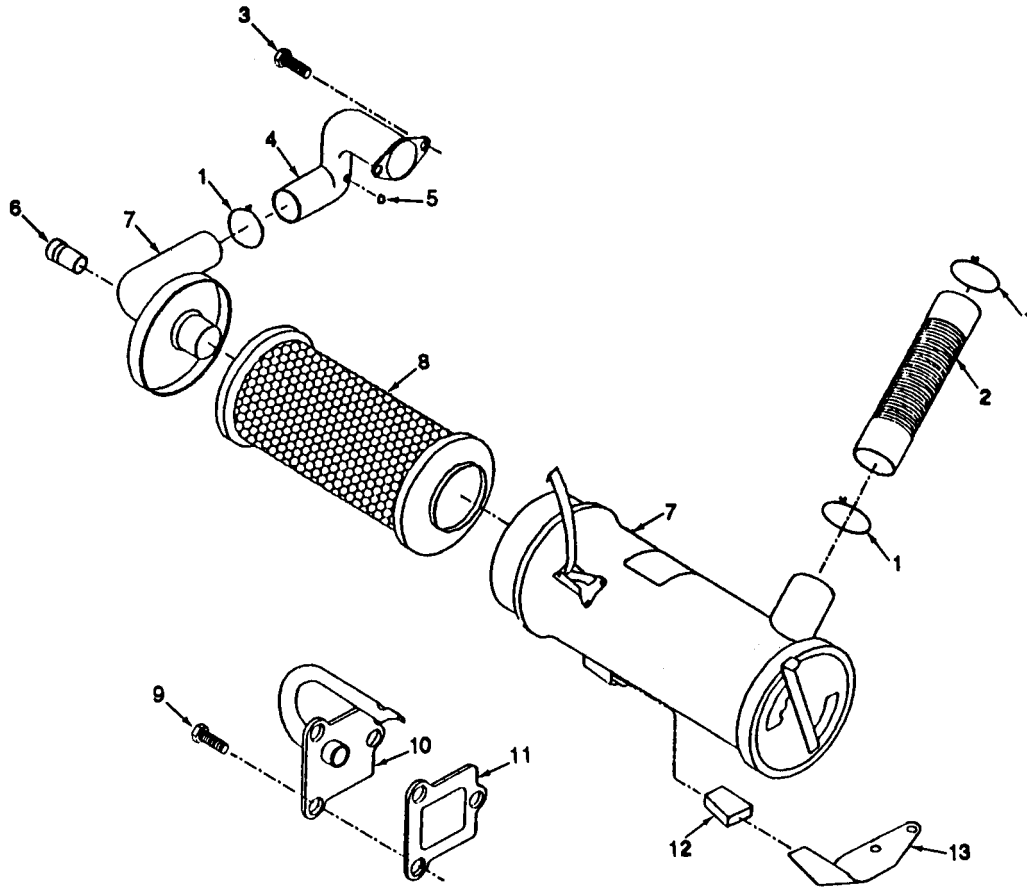


Figure 2. Air Cleaner Assembly

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SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND		USMC
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	QTY/ EQUIP
GROUP 02 AIR CLEANER ASSEMBLY									
FIG. 2 AIR CLEANER ASSEMBLY									
1	PAOZZ	PAOZZ		PAOZZ	96906	MS35842-13	CLAMP, HOSE AIR INLET ADAPTER	3	
2	PAOZZ	PAOZZ		PAOZZ	97403	13206E1254	HOSE, AIR DUCT	1	
3	PAOZZ	PAOZZ		PAOZZ	21450	425828	SCREW, ASSEMBLED WASHER: AIR		
							INLET ADAPTER TO CARBURETOR	2	
4	PAOZZ	PAOZZ		PAOZZ	97403	13206E1194	ADAPTER, AIR INLET	1	
5	PAOZZ	PAOZZ		PAOZZ	81343	MS39326-12	CLAMP, SPRING: LOW PRESSURE		
							BREATHER PORT	1	
6	PAOZZ	PAOZZ		PAOZZ	97403	13206E0820	INDICATOR, RESTRICTION	1	
7	PAOZZ	PAOZZ		PAOZZ	97403	13206E1250	AIR CLEANER, INTAKE	1	
8	PAOZZ	PAOZZ		PAOZZ	97403	13206E1253	.FILTER ELEMENT, INTAKE	1	
9	PAOZZ	PAOZZ		PAOZZ	96906	MS51849-64	SCREW, ASSEMBLE AIR BREATHER		
							COVER TO GEAR COVER	3	
10	PAOZZ	PAOZZ		PAOZZ	97403	13229E9195	COVER, AIR BREATHER	1	
11	KFOZZ	KFOZZ		KFOZZ	97403	13206E0607	GASKET, AIR BREATHER COVER	1	
							(PART OF KITS, P/N 13214E8196 AND 13226E6169)		
12	PAOZZ	PAOZZ		PAOZZ	97403	13206E0731	CAP, SUPPORT BRACKET	1	
13	PAOZZ	PAOZZ		PAOZZ	97403	13206E0712	BRACKET, INTAKE AIR	1	

END OF FIGURE

SECTION II

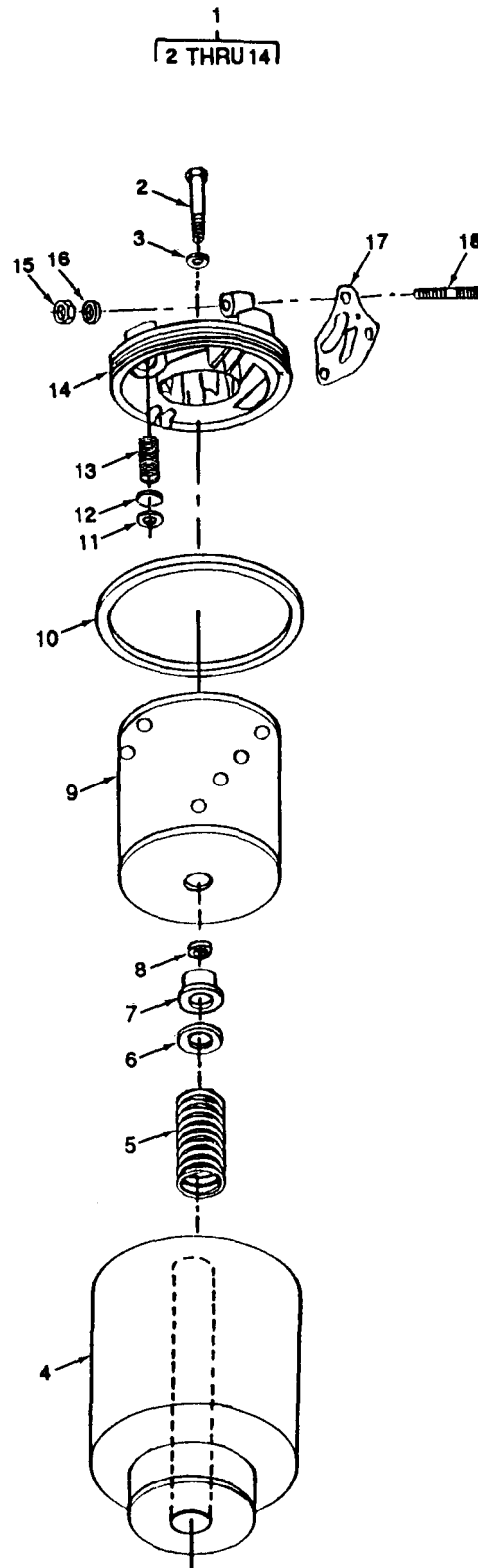


Figure 3. Oil Filter Assembly

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SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND	USMC	
NO.	ARMY	AIR	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	EQUIP
							GROUP 03 OIL FILTER ASSEMBLY		
							FIG. 3 OIL FILTER ASSEMBLY		
1	XBOZZ	XBOZZ		XBOZZ	97403	13206E0160	OIL FILTER ASSEMBLY	1	
2	PAOZZ	PAOZZ		PAOZZ	96906	MS90728-41	.SCREW, CAP HEX HD, OIL FILTER COVER TO BODY	1	
3	PAOZZ	PAOZZ		PAOZZ	96906	MS35769-4	.GASKET, OIL FILTER COVER SCREW (PART OF KITS, P/N 13214E8196 AND 13215E4168)	1	
4	KFOZZ	KFOZZ		KFOZZ	97403	13215E4167	.FILTER BODY (PART OF KIT, P/N 13215E4168)	1	
5	XBOZZ	XBOZZ		XBOZZ	97403	13206E0165	.SPRING, HELICAL,COMP PART OF KIT, P/N 13215E4168)	1	
6	XBOZZ	XBOZZ		XBOZZ	97403	13206E0166	.WASHER,FLAT:OIL FILTER SPRING TO CENTERING SEAL (PART OF KIT,P/N 13214E4168)	1	
7	KFOZZ	KFOZZ		KFOZZ	97403	13206E0167	.PACKING,PREFORMED:OIL FILTER CENTERING (PART OF KIT,P/N 13215E4168)		
8	PAOZZ	PAOZZ		PAOZZ	97403	13206E0168	.RING,RETAINING (PART OF KIT,P/N 13215E4168)	1	
9	PAOZZ	PAOZZ		PAOZZ	96906	MS35802-1	.FILTER ELEMENT,FLUID WITH GASKET	1	
10	XAOZZ	XAOZZ		XAOZZ	96906	MS35802	..GASKET:OIL FILTER COVER	1	
11	PAOZZ	PAOZZ		PAOZZ	97403	13206E0174	.RETAINER,BYPASS VALVE	1	
12	PAOZZ	PAOZZ		PAOZZ	97403	13206E0173	.BYPASS VALVE	1	
13	XBOZZ	XBOZZ		XBOZZ	97403	13206E0172	.SPRING,BYPASS VALVE	1	
14	XBOZZ	XBOZZ		XBOZZ	97403	13206E0171	.COVER,OIL FILTER	1	
15	PAOZZ	PAOZZ		PAOZZ	96906	MS20500-428	NUT,SELF-LOCKING:OIL FILTER MTG	3	
16	PAOZZ	PAOZZ		PAOZZ	96906	MS27183-10	WASHER,FLAT:OIL FILTER MTG	3	
17	PAOZZ	PAOZZ		PAOZZ	97403	13206E0177	GASKET:OIL FILTER MTG (PART OF KIT,P/N 13214E8196)	1	
18	PAOZZ	PAOZZ		PAOZZ	96906	MS17300-111	STUD,PLAIN	3	
	XDOZZ	XDOZZ		XDOZZ	97403	13215E4168	KIT,OIL FILTER	V	
							GASKET (1) 3-3		
							FILTER BODY (1) 3-4		
							SPRING (1) 3-5		
							WASHER,FLAT (1) 3-6		
							PACKING (1) 3-7		
							RING (1) 3-8		
							END OF FIGURE		

SECTION II

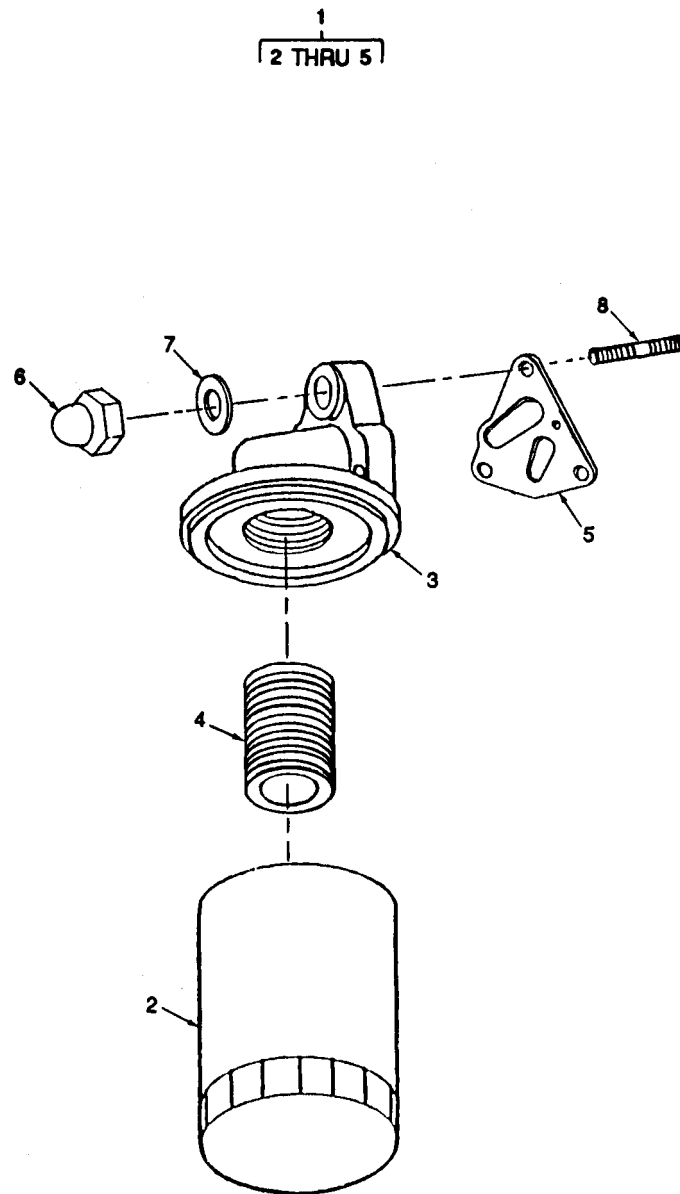


Figure 4. Oil Filter Assembly

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SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND	USMC	
NO.	ARMY	AIR	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY/	EQUIP
							GROUP 03 OIL FILTER ASSEMBLY		
							FIG.4 OIL FILTER ASSEMBLY		
1	AOZZ	AOZZ		AOZZ	97403	13226E6190	OIL FILTER ASSEMBLY,SPIN ON	1	
2	PAZZ	PAZZ		PAZZ	19207	11630417	.FILTER,OIL:SPIN-ON 5 7/8 IN. LG.	1	
2	PAZZ	PAZZ		PAZZ	12658	B233	.FILTER,OIL:SPIN-ON 4 9/32 IN. LG.	1	
3	PAZZ	PAZZ		PAZZ	97403	13226E6191	.COVER ASSEMBLY,OIL FILTER	1	
4	PAZZ	PAZZ		PAZZ	97403	13226E6193	.NIPPLE,TUBE	1	
5	PAZZ	PAZZ		PAZZ	97403	13206E0177	.GASKET:OIL FILTER MTG (PART OF KIT,P/N 13214E8196)	1	
6	PAZZ	PAZZ		PAZZ	96906	MS21045C4	NUT,SELF-LOCKING,OIL FILTER MTG	3	
7	PAZZ	PAZZ		PAZZ	96906	MS27183-10	WASHER,FLAT:OIL FILTER MTG	3	
8	PAZZ	PAZZ		PAZZ	96906	MS17300-111	STUD,PLAIN:OIL FILTER MTG	3	
							END OF FIGURE		

SECTION II

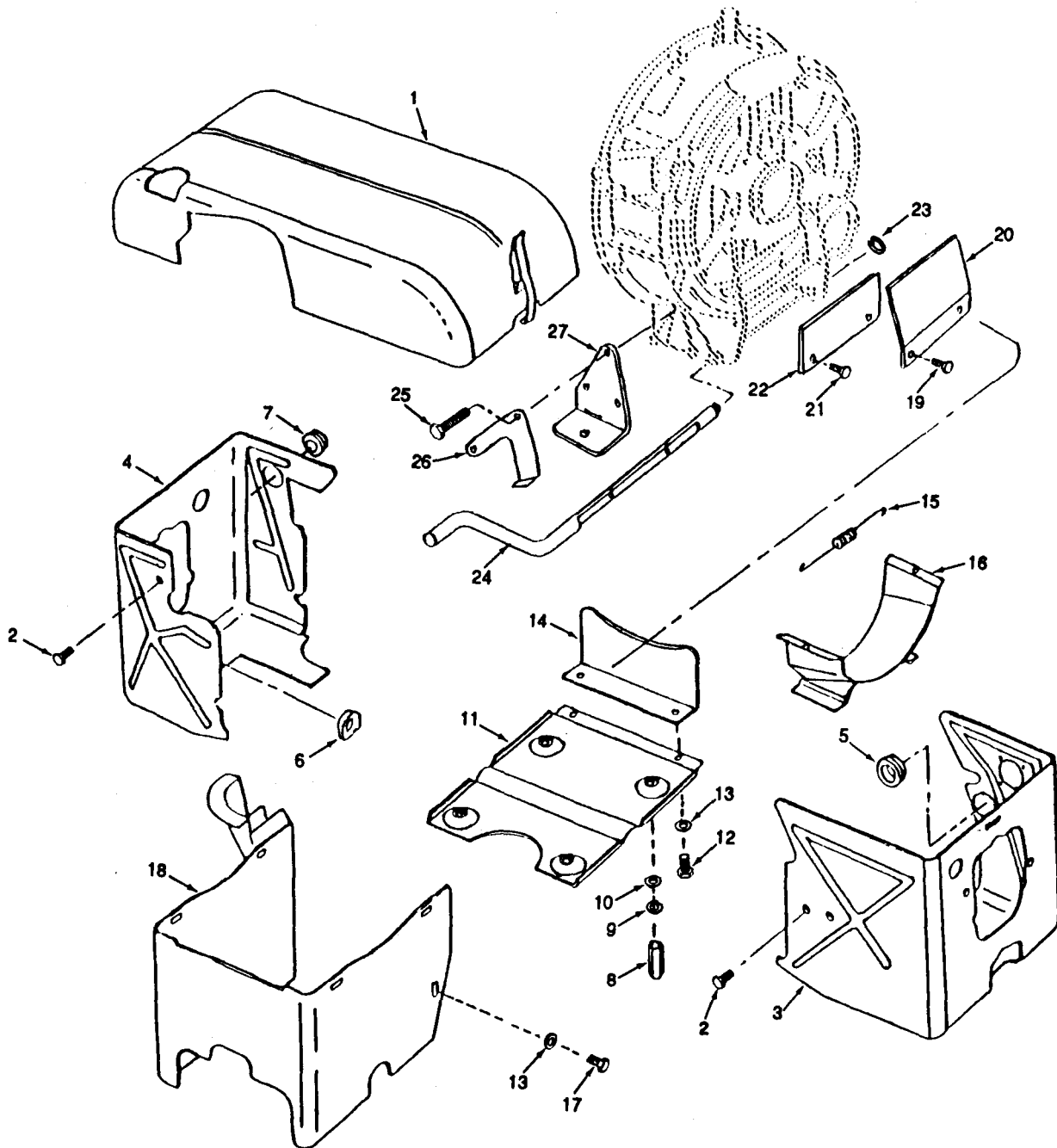


Figure 5. Cooling System Components

## SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE		c.	d.	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE	QTY	USMC QTY/ EQUIP
	a.	b.							
	ARMY	AIR FORCE	NAVY	USMC					
GROUP 04 COOLING SYSTEM									
FIG. 5 COOLING SYSTEM COMPONENTS									
1	PAOZZ	PAOZZ		PAOZZ	97403	13215E3819	SHROUD ASSEMBLY,UPPER	1	
2	PAOZZ	PAOZZ		PAOZZ	97403	13218E0504-67	SCREW,ASSEMBLED:SHROUD MTG	6	
3	XBOZZ	XBOZZ		XBOZZ	97403	13206E0835	SHROUD ASSEMBLY:ENGINE CYLINDER,NO.2 SIDE	1	
4	XBOZZ	XBOZZ		XBOZZ	97403	13215E3817	SHROUD ASSEMBLY:ENGINE CYLINDER,NO.1 SIDE	1	
5	PAOZZ	PAOZZ		PAOZZ	96906	MS35489-20	GROMMET,NONMETALLIC:FUEL INLET HOSE	1	
6	PAOZZ	PAOZZ		PAOZZ	97403	13206E0941	(PART OF KIT,P/N 13214E8196) GROMMET,NONMETALLIC:SPARK PLUG CABLE		
7	PAOZZ	PAOZZ		PAOZZ	97403	13213E3304	(PART OF KIT,P/N 13214E8196) GROMMET,NONMETALLIC: REGULATOR CABLE	1	
8	PAOZZ	PAOZZ		PAOZZ	~97403	13206E1356	POST,ELECTRICAL-MEC:OIL PAN SHROUD MTG	4	
9	PAOZZ	PAOZZ		PAOZZ	96906	MS35338-44	WASHER,LOCK:OIL PAN COVER MTG	4	
10	PAOZZ	PAOZZ		PAOZZ	88044	AN960-416L	WASHER,FLAT:OIL PAN COVER MTG	4	
11	PAOZZ	PAOZZ		PAOZZ	97403	13206E0897	COVER:OIL PAN SHROUD	1	
12	PAOZZ	PAOZZ		PAOZZ	19207	13218E0500-53	SCREW,ASSEMBLED:OIL PAN SHROUD MTG	2	
13	PAOZZ	PAOZZ		PAOZZ	96906	MS27183-42	WASHER,FLAT	8	
14	PAOZZ	PAOZZ		PAOZZ	97403	13206E0719	BAFFLE,FAN HOUSING	1	
15	PAOZZ	PAOZZ		PAOZZ	97403	13206E0848	SPRING,HELICAL:BAFFLE MTG	4	
16	PAOZZ	PAOZZ		PAOZZ	97403	13206E0845	BAFFLE,CYLINDER ASSEMBLY	4	
17	PAOZZ	PAOZZ		PAOZZ	97403	13218E0504-53	SCREW,MACHINE:OIL PAN SHROUD MTG	6	
18	PAOZZ	PAOZZ		PAOZZ	97403	13206E0895	SHROUD:OIL PAN	1	
19	PAOZZ	PAOZZ		PAOZZ	19207	228323	SCREW,ASSEMBLED:OIL PAN SHIELD MTG	2	
20	PAOZZ	PAOZZ		PAOZZ	97403	13206E0898	SHIELD,OIL PAN	1	
21	PAOZZ	PAOZZ		PAOZZ	97403	13218E0504-13	SCREW ASSEMBLY: AIR CONTROL BAFFLE TO CONTROL ROD	2	
22	XBOZZ	XBOZZ		XBOZZ	97403	13206E1364	BAFFLE,OIL AIR CONTROL	1	
23	PAOZZ	PAOZZ		PAOZZ	96906	MS16624-3031	RING,RETAINING: CONTROL ROD TO FAN HOUSING LOCKING	1	
24	PAOZZ	PAOZZ		PAOZZ	97403	13206E1365	ROD,BAFFLE CONTROL	1	
25	PAOZZ	PAOZZ		PAOZZ	96906	MS90725-33	BOLT,MACHINE:REAR ENGINE MTG	6	
26	PAOZZ	PAOZZ		PAOZZ	97403	13206E1363	RETAINER:CONTROL ROD POSITIONING	1	
27	PAOZZ	PAOZZ		PAOZZ	97403	13206E0982	ENGINE MOUNT,REAR	2	

END OF FIGURE



SECTION II

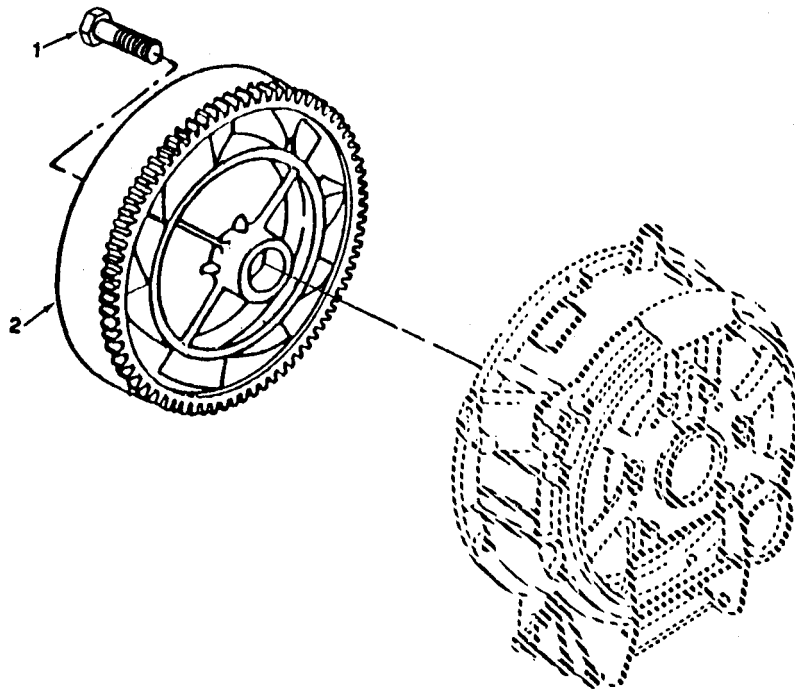


Figure 6. Flywheel

SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
	a.	b.	c.	d.					USMC
ITEM	AIR					PART	DESCRIPTION AND		QTY/
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	EQUIP

GROUP 05 FLYWHEEL

FIG.6 FLYWHEEL

1	PAFZZ	PAFZZ		PAFZZ	97403	13213E3266	BOLT,MACHINE	1	
2	PAFZZ	PAFZZ		PAFZZ	97403	13206E0990	FLYWHEEL,ENGINE	1	

END OF FIGURE

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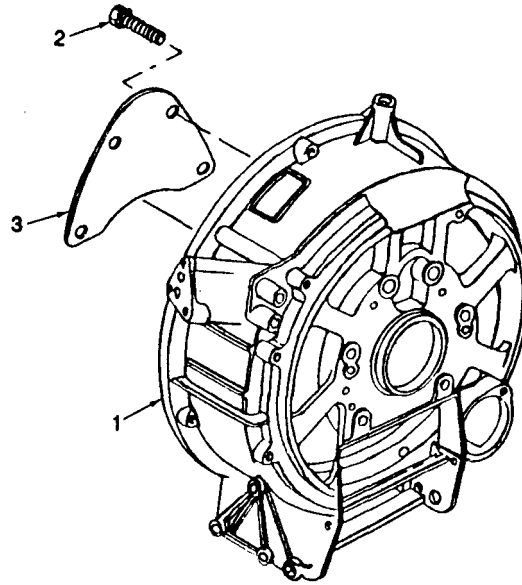


Figure 7. Fan Housing

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SECTION II

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	SMR CODE					
	a.	b.	c.	d.		USMC
ITEM	AIR				PART	QTY/
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER
						DESCRIPTION AND USABLE ON CODE
						QTY EQUIP
						GROUP 06 FAN HOUSING
						FIG.7 FAN HOUSING
1	PAFZZ	PAFZZ		PAFZZ	97403	13206E0541
2	PAFZZ	PAFZZ		PAFZZ	19207	424218
						HOUSING,FAN
						SCREW,ASSEMBLED WASHER:FAN
						HOUSING MTG
3	PAFZZ	PAFZZ		PAFZZ	97403	13206E0581
						PLATE,FAN HOUSING
						END OF FIGURE

SECTION II

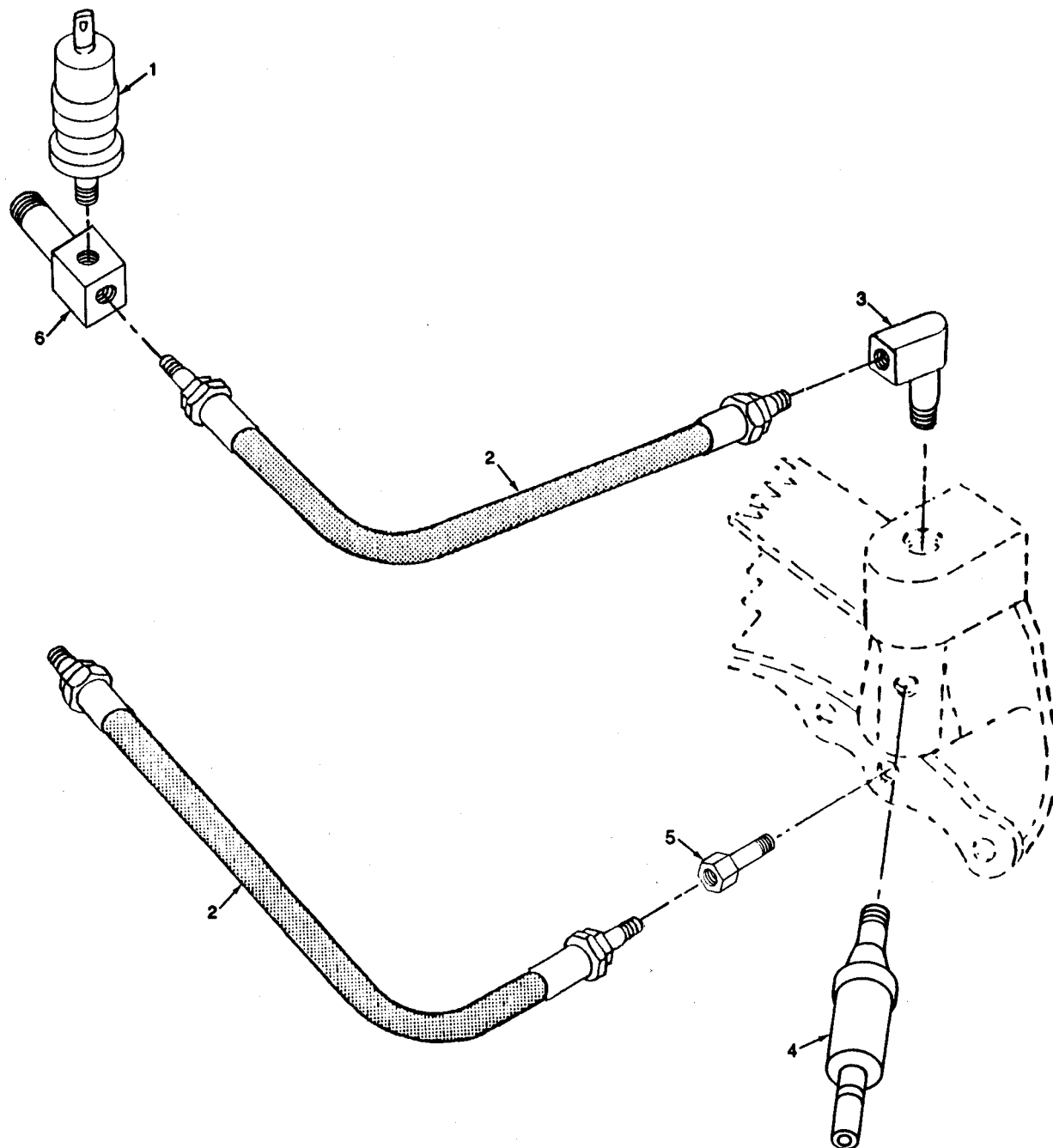


Figure 8. Oil Manifold and Sending Units

SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND		USMC
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	QTY/ EQUIP
GROUP 07 LUBRICATION SYSTEM									
FIG.8 OIL MANIFOLD AND SENDING UNITS									
1	PAOZZ	PAOZZ		PAOZZ	97403	13206E1181	SWITCH,OIL PRESSURE	1	
2	PAOZZ	PAOZZ		PAOZZ	97403	13206E0770-1	HOSE ASSEMBLY, NONMETALLIC: OIL FILTER INLET AND OUTLET	2	
3	PAOZZ	PAOZZ		PAOZZ	97403	13213E3296	ELBOW, PIPE TO TUBE: HOSE TO MANIFOLD	1	
4	PAOZZ	PAOZZ		PAOZZ	96906	MS24538-1	TRANSMITTER, OIL PRESSURE	1	
5	PAOZZ	PAOZZ		PAOZZ	79470	234X5	ADAPTER, STRAIGHT: INLET TUBE	1	
6	PAOZZ	PAOZZ		PAOZZ	97403	13215E4158	TEE, CONNECTOR (PART OF KIT, P/N 13215E3823)	1	
END OF FIGURE									

SECTION II

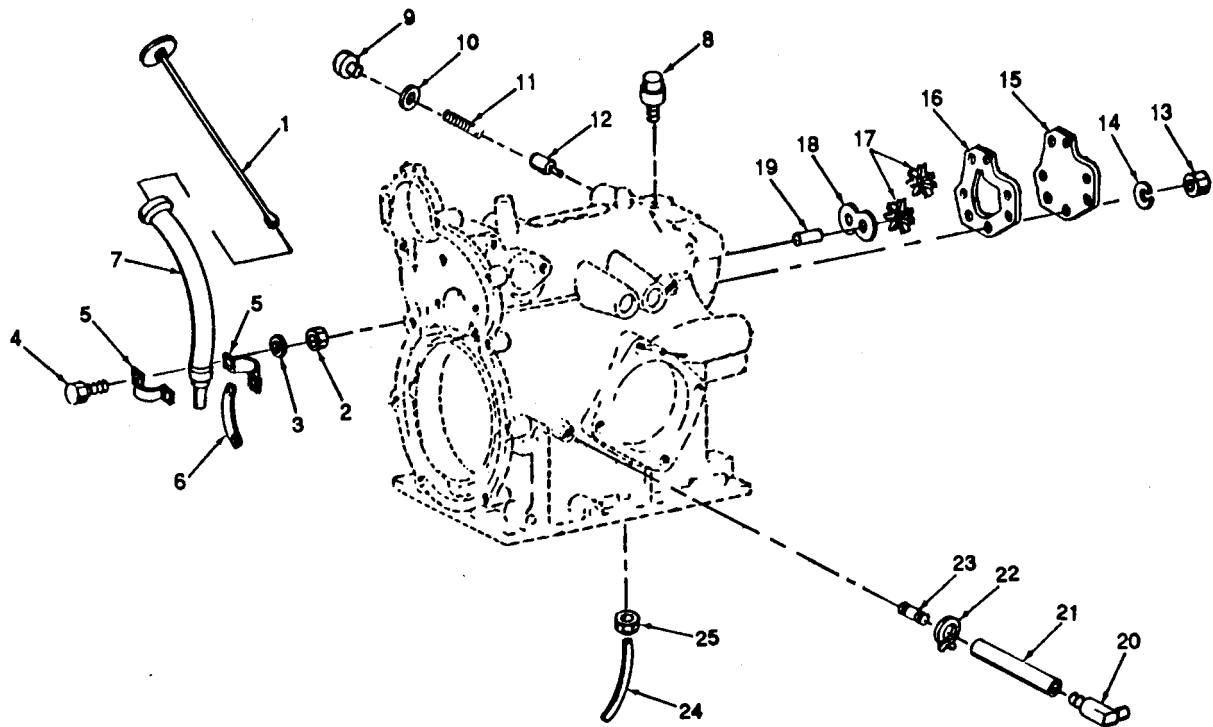


Figure 9. Lubrication System Components

## SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND		USMC
NO.	ARMY	AIR FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	QTY/ EQUIP
GROUP 07 LUBRICATION SYSTEM									
FIG.9 LUBRICATION SYSTEM COMPONENTS									
1	PAOZZ	PAOZZ		PAOZZ	97403	13206E0760	GAGE ROD-CAP, LIQUID	1	
2	PAOZZ	PAOZZ		PAOZZ	96906	MS35649-202	NUT, PLAIN, HEXAGON: OIL FILL TUBE		
							MTG	3	
3	PAOZZ	PAOZZ		PAOZZ	96906	MS35335-32	WASHER, LOCK: OIL FILL TUBE MTG	3	
4	PAOZZ	PAOZZ		PAOZZ	96906	MS51849-74	SCREW, ASSEMBLED: OIL FILL TUBE		
							MTG	3	
5	PAOZZ	PAOZZ		PAOZZ	97403	13206E0597	STRAP, RETAINING	2	
6	PAOZZ	PAOZZ		PAOZZ	97403	13206E0596	BRACKET, FILLER NECK	1	
7	PAFZZ	PAFZZ		PAFZZ	97403	13206E0560	TUBE ASSEMBLY, OIL	1	
8	PAOZZ	PAOZZ		PAOZZ	97403	13206E0550	BREATHER	1	
9	PAOZZ	PAOZZ		PAOZZ	97403	13206E0728	PLUG, OIL PRESSURE	1	
10	PAOZZ	PAOZZ		PAOZZ	88044	AN901-5C	WASHER, FLAT: OIL PRESSURE		
							REGULATING VALVE	1	
11	XDOZZ	XDOZZ		XDOZZ	97403	13206E0141	SPRING, HELICAL, COMP	1	
12	PAOZZ	PAOZZ		PAOZZ	97403	13206E0726	VALVE, OIL PRESSURE	1	
13	PAFZZ	PAFZZ		PAFZZ	96906	MS35650-3252	NUT, PLAIN, HEXAGON: OIL PUMP		
							COVER MTG	7	
14	PAFZZ	PAFZZ		PAFZZ	96906	MS35338-44	WASHER, LOCK: OIL PUMP COVER MTG	7	
15	XDFZZ	XDFZZ		XDFZZ	97403	13206E0718	COVER, OIL PUMP	1	
16	KFFZZ	KFFZZ		KFFZZ	97403	13206E0717	GASKET: OIL PUMP COVER	1	
							(PART OF KIT, P/N 13214E8196)		
17	PAFZZ	PAFZZ		PAFZZ	97403	13206E0716	GEAR, SPUR	2	
18	PAFZZ	PAFZZ		PAFZZ	97403	13206E0715	SPACER, OIL PUMP GEAR	1	
19	PAFZZ	PAFZZ		PAFZZ	97403	13206E0536	SHAFT, IDLER GEAR (P/O CRANKCASE		
							ASSY)	1	
20	PAOZZ	PAOZZ		PAOZZ	97403	13206E0665	ELBOW, CYLINDER HEAD TO		
							CRANKCASE DRAIN BACK HOSE	2	
21	PAOZZ	PAOZZ		PAOZZ	97403	13213E3271	HOSE, NONMETALLIC ROCKER BOX		
							DRAIN	2	
22	PAOZZ	PAOZZ		PAOZZ	96906	MS39326-8	CLAMP, HOSE: DRAIN BACK TUBE	2	
23	PAOZZ	PAOZZ		PAOZZ	97403	13213E3293	ADAPTER, STRAIGHT: OIL DRAW BACK-		
							TUBE TO CRANKCASE	2	
24	PAFZZ	PAFZZ		PAFZZ	97403	13206E0549	TUBE, BENT METALLIC	1	
25	PAFZZ	PAFZZ		PAFZZ	96906	MS35691-21	NUT, PLAIN, HEXAGON PRESSURE		
							RELIEF DISCHARGE TUBE TO		
							CRANKCASE	1	
END OF FIGURE									



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SECTION II

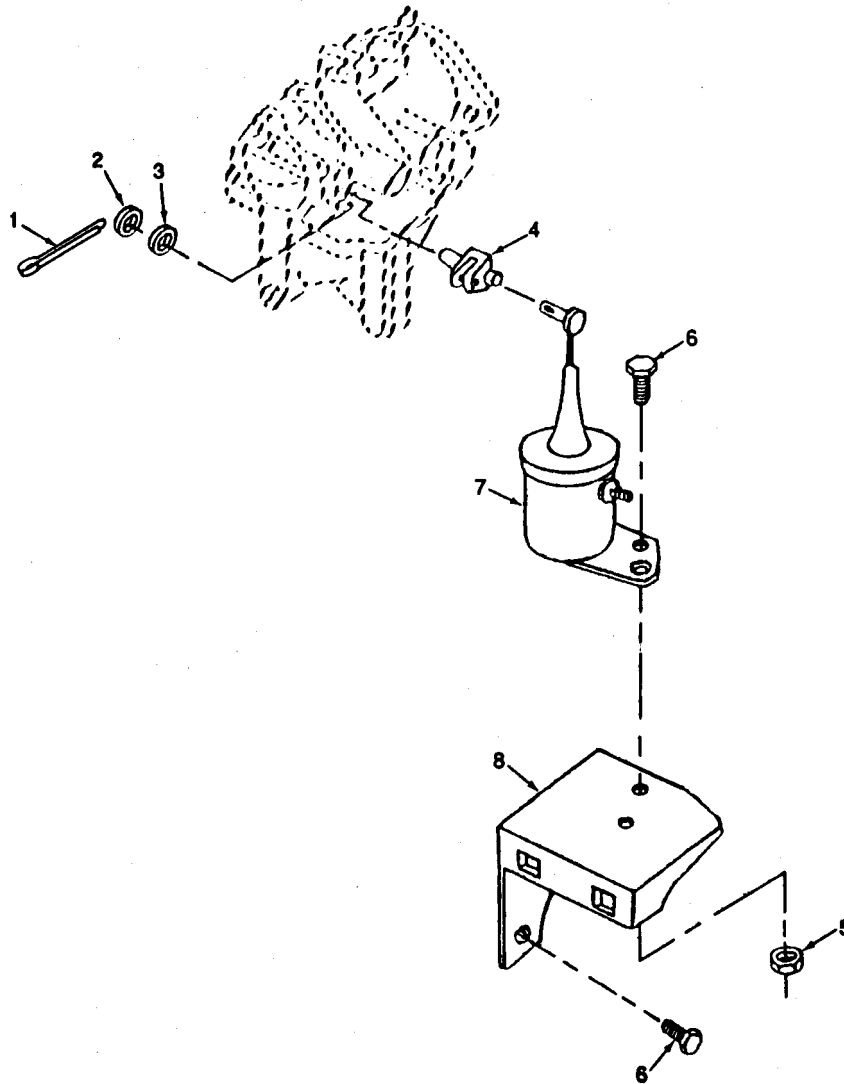


Figure 10. Automatic Choke Assembly

SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND		USMC
NO.	ARMY	AIR	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	QTY/ EQUIP
							GROUP 08 AUTOMATIC CHOKE ASSEMBLY		
							FIG.10 AUTOMATIC CHOKE ASSEMBLY		
1	PAOZZ	PAOZZ		PAOZZ	96906	MS24665-132	PIN,COTTER:AUTOMATIC CHOKE	1	
2	PAOZZ	PAOZZ		PAOZZ	96906	MS15795-908	WASHER,PLAIN:AUTOMATIC CHOKE TO CARBURETOR	2	
3	PAOZZ	PAOZZ		PAOZZ	97403	13213E3281	WASHER,SPRING TENSION:AUTOMATIC CHOKE TO CARBURETOR	1	
4	PAOZZ	PAOZZ		PAOZZ	97403	13206E0732	LEVER ASSEMBLY:AUTOMATIC CHOKE TO CARBURETOR	1	
5	PAOZZ	PAOZZ		PAOZZ	96906	MS35650-302	NUT,SELF-LOCKING:AUTOMATIC CHOKE MTG	3	
6	PAOZZ	PAOZZ		PAOZZ	97403	13218E0504-67	SCREW,ASSEMBLED:AUTOMATIC CHOKE MTG	4	
7	PAOZZ	PAOZZ		PAOZZ	97403	13206E0809	CHOKE ASSEMBLY,AUTOMATIC	1	
8	PAOZZ	PAOZZ		PAOZZ	97403	13206E0687	BRACKET:AUTOMATIC CHOKE MTG	1	
							END OF FIGURE		

SECTION II

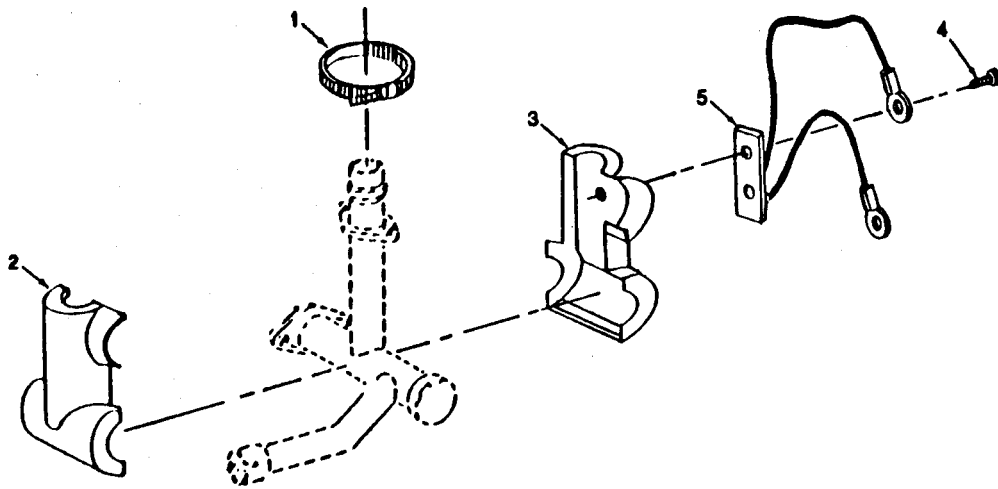


Figure 11. Preheater Assembly

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SECTION II

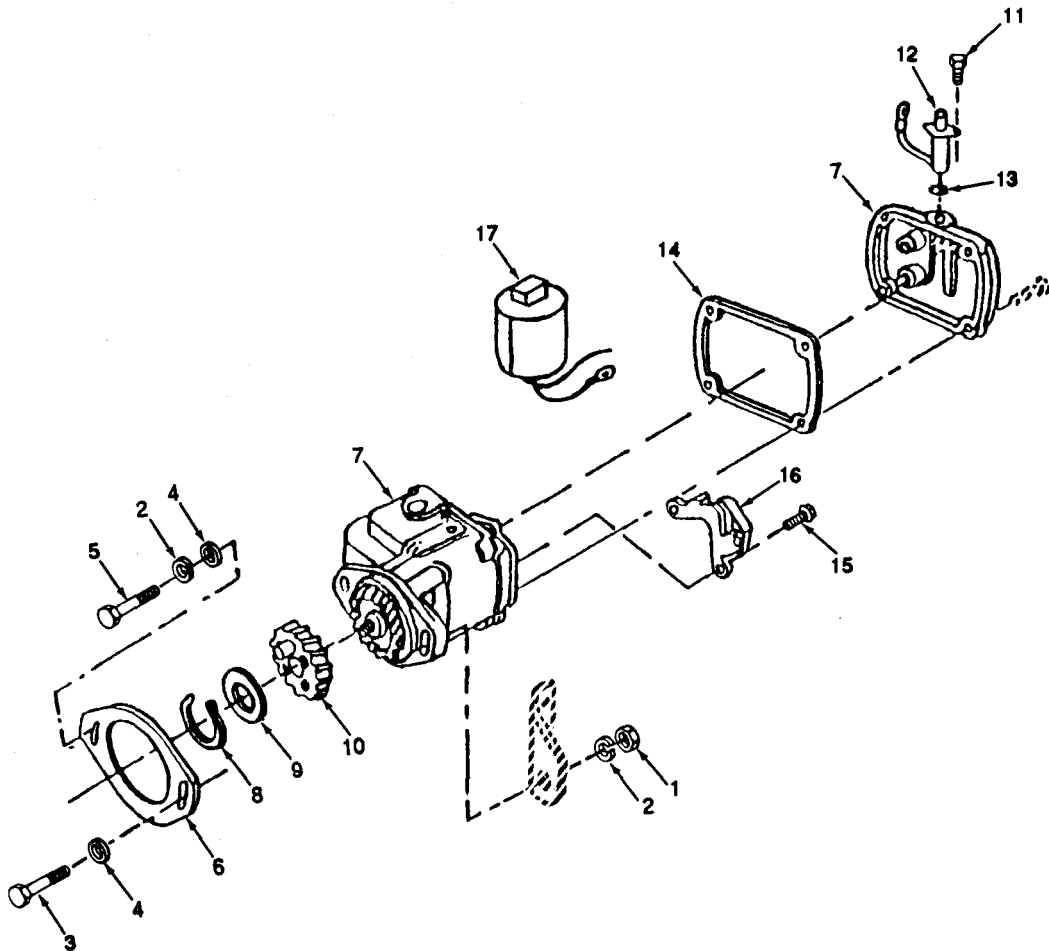
(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND		USMC
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	QTY/ EQUIP

GROUP 09 PREHEATER ASSEMBLY

FIG.11 PREHEATER ASSEMBLY

1	PAOZZ	PAOZZ		PAOZZ	96906	MS35842-14	CLAMP,HOSE:AIR PREHEAT SHELLS	1	
2	PAOZZ	PAOZZ		PAOZZ	97403	13206E1357	SHELL,INNER:AIR PREHEAT ASSEMBLY	1	
3	PAOZZ	PAOZZ		PAOZZ	97403	13213E3292	SHELL,OUTER:AIR PREHEAT		
							ASSEMBLY	1	
4	PAOZZ	PAOZZ		PAOZZ	96906	MS20604B4T2	.RIVET:THERMOSTATIC SWITCH MTG	2	
5	PAOZZ	PAOZZ		PAOZZ	97403	13213E3290	.SWITCH,THERMOSTATIC		

END OF FIGURE



**Figure 12. Magneto Assembly (Fairbanks Morse)**

SECTION II

(1)	(2)				(3)	(4)	(5)	(6)
	SMR CODE							
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND	
NO.	ARMY	AIR FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY
GROUP 10 MAGNETO ASSEMBLY								
FIG.12 MAGNETO ASSEMBLY (FAIRBANKS MORSE)								
1	PAOZZ	PAOZZ		PAOZZ	96906	MS35649-2312	NUT,HEXAGON:MAGNETO MTG	1
2	PAOZZ	PAOZZ		PAOZZ	96906	MS35338-46	WASHER,LOCK:MAGNETO MTG	2
3	PAOZZ	PAOZZ		PAOZZ	96906	MS90725-69	SCREW,CAP,HEXAGON:MAGNETO MTG	1
4	PAOZZ	PAOZZ		PAOZZ	96906	MS27183-13	WASHER,FLAT:MAGNETO MTG	2
5	PAOZZ	PAOZZ		PAOZZ	96906	MS90725-68	SCREW,CAP,HEXAGON:GEAR COVER	
THRU CRANKCASE TO MAGNETO								
6	PAOZZ	PAOZZ		PAOZZ	97406	13215E4166	GASKET:MAGNETO MTG	1
							(PART OF KITS,P/N 13214E8196 AND 13227E9890-1)	1
7	KFOZZ	KFOZZ		KFOZZ	97403	13215E1716	MAGNETO ASSEMBLY	1
							(PART OF KIT,P/N 13227E9890-1)	
8	PAOZZ	PAOZZ		PAOZZ	96906	MS16624-1062	RING,RETAINING:MAGNETO GEAR TO	
							MAGNETO RETAINING	1
9	PAOZZ	PAOZZ		PAOZZ	97403	13206E0902	WASHER,FLAT:MAGNETO GEAR TO	
							RETAINING RING	1
10	PAOZZ	PAOZZ		PAOZZ	97403	13206E0900	GEAR ASSEMBLY,MAGNETO	1
11	KFOZZ	KFOZZ		KFOZZ	82796	10-001-818	SCREW:CONDESER MTG	2
							(PART OF KIT,P/N 13214E8219)	
12	KFOZZ	KFOZZ		KFOZZ	82796	10-011-662	CONDENSER,MAGNETO	1
							(PART OF KIT,P/N 13214E8219)	
13	KFOZZ	KFOZZ		KFOZZ	82796	10-011-679	O-RING,CONDENSER	1
							(PART OF KIT,P/N 13214E8219)	
14	KFOZZ	KFOZZ		KFOZZ	82796	10-102-498	GASKET,MAGNETO	1
							(PART OF KIT,P/N 13214E8219)	
15	PAOZZ	PAOZZ		PAOZZ	97403	13218E0504-32	SCREW,ASSEMBLED:BREAKER POINT	1
AND CONDENSER WIRE MTG								
16	KFOZZ	KFOZZ		KFOZZ	82796	10-013-235	CONTACT SET,MAGNETO	1
							(PART OF KIT,P/N 13214E8219)	
17	PAOZZ	PAOZZ		PAOZZ	82796	Q2477C	COIL	1
	PAOZZ	PAOZZ		PAOZZ	97403	13214E8219	KIT,MAGNETO REPAIR	V
SCREW (2) 12-11								
CONDENSER (1) 12-12								
O-RING (1) 12-13								
GASKET (1) 12-14								
CONTACT SET (1) 12-16								
END OF FIGURE								

SECTION II

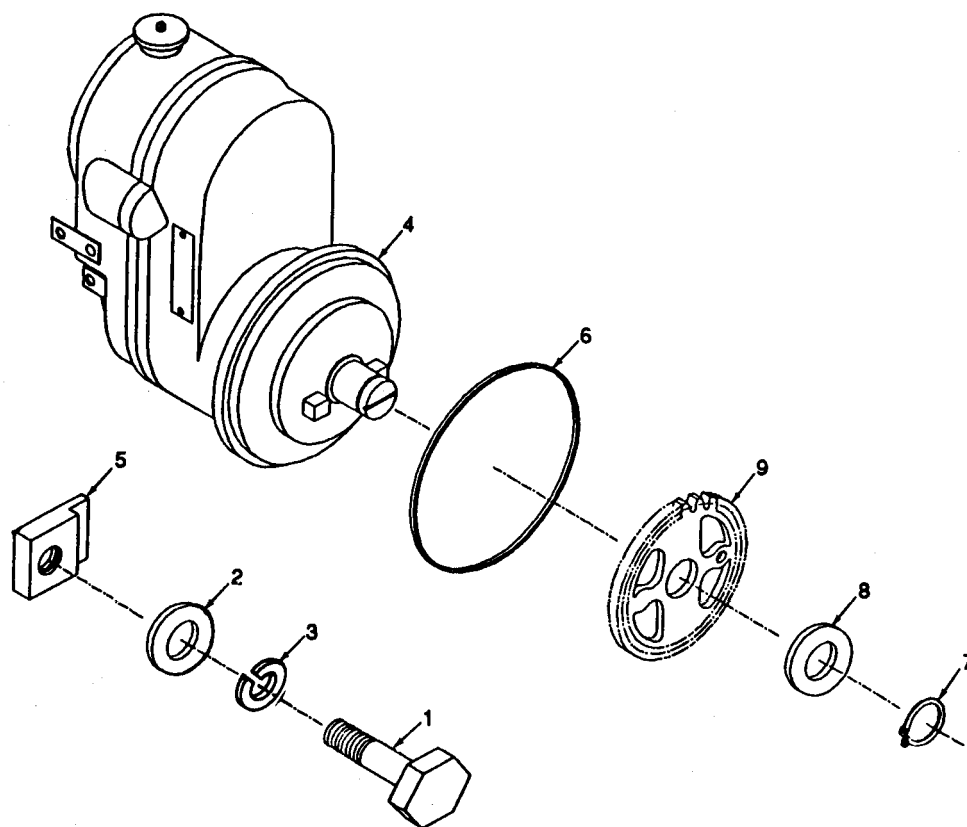


Figure 13. Magneto Assembly (Slick Aircraft)

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SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND	USMC	
NO.	ARMY	AIR FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY/	EQUIP
GROUP 10 MAGNETO ASSEMBLY									
FIG.13 MAGNETO ASSEMBLY (SLICK AIRCRAFT)									
1	PAOZZ	PAOZZ		PAOZZ	96906	MS90725-69	SCREW,MACHINE:GEAR COVER THRU CRANKCASE TO MAGNETO	2	
2	PAOZZ	PAOZZ		PAOZZ	96906	MS27183-13	WASHER,FLAT:MAGNETO MTG	2	
3	PAOZZ	PAOZZ		PAOZZ	96906	MS35338-46	WASHER,LOCK:MAGNETO MTG	2	
4	KFOZZ	KFOZZ		KFOZZ	97403	13227E9889	MAGNETO ASSEMBLY:BREAKERLESS IGNITION	1	
							(PART OF KIT,P/N 13227E9890-2)		
5	PAOZZ	PAOZZ		PAOZZ	97403	13227E9892	.CLAMP:MAGNETO MTG	2	
							(PART OF KIT,P/N 13227E9890-2)		
6	PAOZZ	PAOZZ		PAOZZ	02697	2-041-N674-70	.O-RING:MAGNETO MTG	1	
							(PART OF KIT,P/N 13227E9890-2)		
7	PAOZZ	PAOZZ		PAOZZ	96906	MS16624-1062	RING,RETAINING:MAGNETO GEAR TO MAGNETO RETAINING	1	
8	PAOZZ	PAOZZ		PAOZZ	97403	13206E0902	WASHER,FLAT:MAGNETO GEAR TO RETAINING RING	1	
9	PAOZZ	PAOZZ		PAOZZ	97403	13206E0900	GEAR ASSEMBLY,MAGNETOL	1	
END OF FIGURE									



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SECTION II

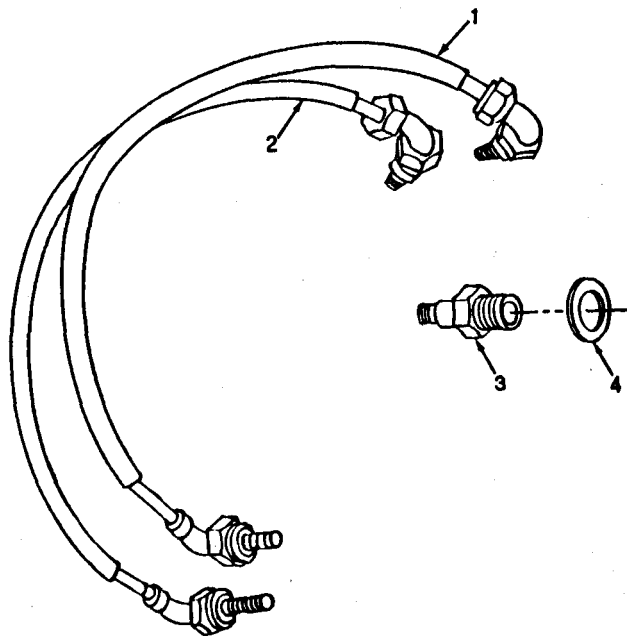


Figure 14. High Tension Cables and Spark Plugs

SECTION II

(1)	(2)				(3)	(4)	(5)	(6)
ITEM NO.	SMR CODE				CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE	QTY
	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC				
GROUP 11 HIGH TENSION CABLES								
GROUP 12 SPARK PLUGS								
FIG.14 HIGH TENSION CABLES AND SPARK PLUGS								
1	PAOZZ	PAOZZ		PAOZZ	97403	13227E9891-1	CABLE ASSEMBLY,HIGH TENSION:NO 1 CYLINDER (PART OF KITS,P/N 13227E9890-1 AND 13227E9890-2)	1
2	PAOZZ	PAOZZ		PAOZZ	97403	13227E9891-2	CABLE ASSEMBLY,HIGH TENSION:NO.2 CYLINDER (PART OF KITS,P/N 13227E9890-1 AND 13227E9890-2)	1
3	PAOZZ	PAOZZ		PAOZZ	96906	MS51009-3	SPARK PLUG,SHIELDED	2
4	XAOZZ	XAOZZ		XAOZZ	96906	MS35910-1	WASHER,FLAT SPARK PLUG	2
	PAOFF	PAOFF		PAOFF	97403	13227E9890-1	KIT,IGNITION GASKET (1)12-6 MAGNETO ASSY (1)12-7 CABLE ASSY (1)14-1 CABLE ASSY (1)14-2	V
	PAOFF	PAOFF		PAOFF	97403	13227E9890-2	KIT,BREAKERLESS IGNITION MAGNETO (1)13-4  CLAMP MTG (2)13-5 O-RING (1)13-6 CABLE ASSY (1)14-1 CABLE ASSY (1)14-2	V
END OF FIGURE								

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5  
6 THRU 23

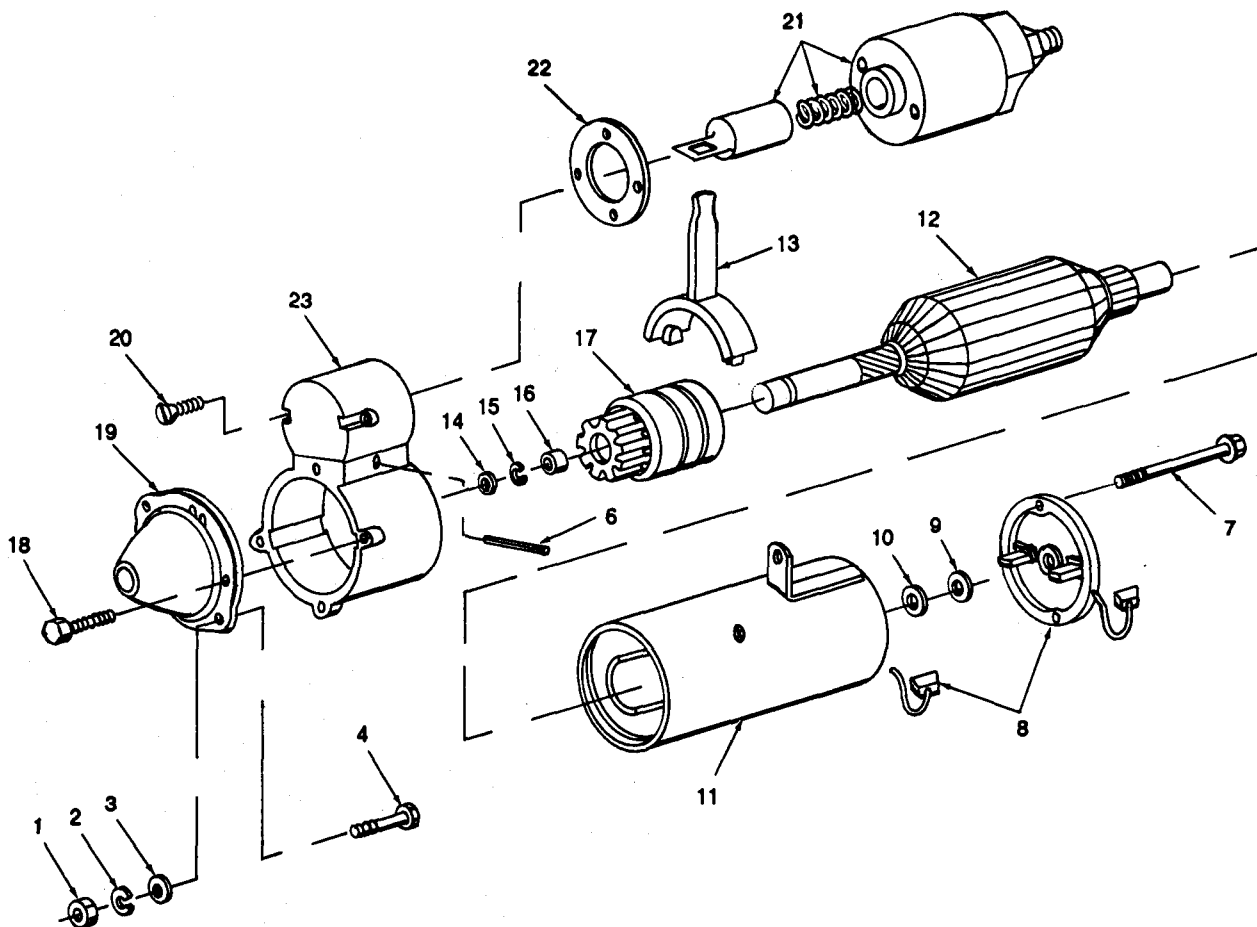


Figure 15. Starter Motor Assembly

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SECTION II

(1)	(2)	(3)	(4)	(5)	(6)	(7)
SMR CODE						
ITEM	a.	b.	c.	d.	PART	USMC
NO.	ARMY	AIR FORCE	NAVY	USMC	CAGEC	NUMBER
						DESCRIPTION AND
						USABLE ON CODE
						QTY
						EQUIP

GROUP 13 STARTER

FIG.15 STARTER MOTOR ASSEMBLY

1	PAOZZ	PAOZZ		PAOZZ	96906	MS35649-2312	NUT,PLAIN,HEXAGON:STARTER MTG	2
2	PAOZZ	PAOZZ		PAOZZ	96906	MS35338-45	WASHER,LOCK:STARTER MTG	2
3	PAOZZ	PAOZZ		PAOZZ	96906	MS27183-14	WASHER,FLAT:STARTER MTG	2
4	PAOZZ	PAOZZ		PAOZZ	96906	MS90725-38	BOLT,MACHINE:STARTER MTG	2
5	PAOZZ	PAOZZ		PAOZZ	96906	MS53013-1	STARTER MOTOR,ELEC:SOLENOID	
							ACTUATED	1
6	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0006	.PIN,SPRING	1
7	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0016	.BOLT,SHOULDER	2
8	XAFZZ	XAFZZ		XAFZZ	7V942	2A042-0013	.BRUSH HOLDER ASSY	1
9	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0015	.WASHER FLAT	1
10	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0014	.INSULATOR,WASHER	1
11	XAFZZ	XAFZZ		XAFZZ	7V942	2A042-0012	.YOKE ASSY	1
12	XAFZZ	XAFZZ		XAFZZ	7V942	2A042-0008	.ARMATURE,STARTER MOTOR	1
13	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0005	.SHIFTER FORK	1
14	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0011	.WASHER FLAT	1
15	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0010	.RING,RETAINING	1
16	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0009	.SPACER,RING	1
17	XAFZZ	XAFZZ		XAFZZ	7V942	2A042-0007	.CLUTCH ASSEMBLY,DRIVE	1
18	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0004	.SCREW,CAP, SOCKET HEAD	4
19	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0002	.FRONT BRACKET ASSY	1
20	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0019	.SCREW,MACHINE	2
21	PAFZZ	PAFZZ		PAFZZ	7V942	2A042-0017	.RELAY SOLENOID,STARTER MOTOR	1
22	XAFZZ	XAFZZ		XAFZZ	7V942	2A042-0018	.GASKET	1
23	XBFZZ	XBFZZ		XBFZZ	7V942	2A042-0003	.CENTER BRACKET	1

END OF FIGURE

SECTION II

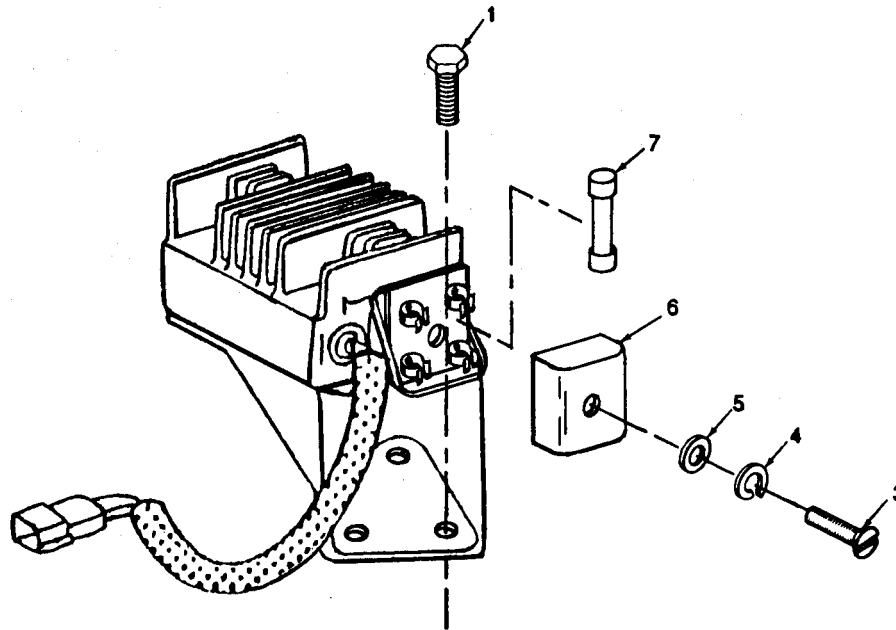


Figure 16. Regulator Assembly

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SECTION II

(1)	(2)			(3)	(4)	(5)	(6)	(7)
	SMR CODE							
ITEM	a.	b.	c.	d.		PART		USMC
NO.	ARMY	AIR	NAVY	USMC	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODE	QTY/ EQUIP

GROUP 14 STARTER

FIG.16 REGULATOR ASSEMBLY

1	PAOZZ	PAOZZ		PAOZZ	96906	MS35206-281	SCREW,ASSEMBLED:REGULATOR TO FAN HOUSING	3
2	PAOZZ	PAOZZ		PAOZZ	97403	13206E0813	REGULATOR,ENGINE GE	1
3	PAOZZ	PAOZZ		PAOZZ	96906	MS51849-74	.SCREW,MACHINE:FUSE COVER MTG	1
4	PAOZZ	PAOZZ		PAOZZ	96906	MS35333-73	.WASHER,LOCK:FUSE COVER MTG	1
5	PAOZZ	PAOZZ		PAOZZ	96906	MS15795-807	.WASHER,FLAT:FUSE COVER MTG	1
6	PAOZZ	PAOZZ		PAOZZ	00818	F7288	.COVER,FUSE	1
7	PAOZZ	PAOZZ		PAOZZ	71400	SFE14	.FUSE,REGULATOR	2

END OF FIGURE

## SECTION II

## SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND	USMC	
NO.	ARMY	AIR FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	EQUIP
GROUP 15 GOVERNOR ASSEMBLY									
FIG.17 GOVERNOR ASSEMBLY AND CARBURETOR CONTROL COMPONENTS									
1	PAOZZ	PAOZZ		PAOZZ	97403	13206E0904	SCREW,MACHINE:BEARING ASSEMBLY TO CARBURETOR	2	
2	PAOZZ	PAOZZ		PAOZZ	96906	MS35333-39	WASHER,LOCK:BEARING ASSEMBLY	2	
3	PAOZZ	PAOZZ		PAOZZ	97403	13206E0800	CONNECTING LINKAGE	1	
4	PAOZZ	PAOZZ		PAOZZ	97403	13206E0810	.BEARING,PLAIN,ROD:THROTTLE CONTROL ROD GOVERNOR END AND CARBURETOR END	2	
5	PAOZZ	PAOZZ		PAOZZ	96906	MS35650-302	.NUT,PLAIN,HEXAGON:BEARING ASSEMBLY TO THROTTLE	2	
6	XAOZZ	XAOZZ		XAOZZ	97403	13206E0801	.ROD,THROTTLE	1	
7	XBOZZ	XBOZZ		XBOZZ	77260	SN1575	SPRING,HELICAL,EXTENSION GOVERNOR ADJUSTING	1	
7	XBOZZ	XBOZZ		XBOZZ	88408	56842	(USED ON PIERCE GOVERNOR ONLY) SPRING,EXTENSION:GOVERNOR ADJUSTING	1	
7	PAOZZ	PAOZZ		PAOZZ	74465	D110-48A	(USED ON NOVI GOVERNOR ONLY) SPRING,HELICAL,EXTENSION GOVERNOR ADJUSTING	1	
8	PAOZZ	PAOZZ		PAOZZ	97403	13206E0780	(USED ON HOOF GOVERNOR ONLY) LINE:CRANKCASE TO GOVERNOR	1	
9	PAOZZ	PAOZZ		PAOZZ	97403	13213E3296	ELBOW,PIPE TO TUBE:OIL LINE TO CRANKCASE (P/O CRANKCASE ASSY)	1	
10	PAOZZ	PAOZZ		PAOZZ	24617	137405	FITTING,STRAIGHT:OIL LINE TO GOVERNOR	1	
11	PAOZZ	PAOZZ		PAOZZ	97403	13206E1473	SCREW,ASSEMBLED:GOVERNOR TO GEAR COVER	4	
12	PAOZZ	PAOZZ		PAOZZ	97403	13213E3288	CONTROL,CARBURETOR	1	
13	XAOZZ	XAOZZ		XAOZZ	97403	13206E1405	.KNOB	1	
14	XAOZZ	XAOZZ		XAOZZ	97403	13206E1409	.SPRING,HELICAL,COMP	1	
15	PAOZZ	PAOZZ		PAOZZ	96906	MS15795-916	.WASHER,FLAT:CARBURETOR CONTROL BOLT TO LEVER	1	
16	PAOZZ	PAOZZ		PAOZZ	97403	13206E1489	.CARBURETOR PIN AND BOLT	1	
17	XBOZZ	XBOZZ		XBOZZ	96906	MS51017-23	..SETSCREW:CARBURETOR CONTROL PIN		
18	PAOZZ	PAOZZ		PAOZZ	96906	MS27183-2	..WASHER,FLAT:CARBURETOR CONTROL PIN TO BOLT	1	
19	PAOZZ	PAOZZ		PAOZZ	97403	13213E3287	.BRACKET AND LEVER:CARBURETOR CONTROL	1	
20	PAOZZ	PAOZZ		PAOZZ	96906	MS20613-6P5	..RIVET,SOLIC:CARBURETOR CONTROL BRACKET	1	
21	PAOZZ	PAOZZ		PAOZZ	97403	13206E1421	..WASHER,FLAT:CARBURETOR CONTROL BRACKET	1	
22	XAOZZ	XAOZZ		XAOZZ	97403	13206E0487	..LEVER,CARBURETOR	1	
23	XAOZZ	XAOZZ		XAOZZ	97403	13213E3282	..BRACKET,CARBURETOR (PART OF KIT,P/N 13214E8209)	1	
24	KFOZZ	KFOZZ		KFOZZ	97403	13213E3298	GOVERNOR (PART OF KIT, P/N 13241E8209)	1	
25	PAOZZ	PAOZZ		PAOZZ	97403	13206E0184	GASKET:GOVERNOR MTG (PART OF KIT,P/N 13214E8196 AND 13214E8209)	1	



SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE				CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE	QTY	USMC QTY/ EQUIP
	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC					
26	PAOZZ	PAOZZ		PAOZZ	97403	13206E0792	GEAR,WORM:TACHOMETER AND GOVERNOR	1	
27	PAOZZ	PAOZZ		PAOZZ	96906	MS24585-494	SPRING,GEAR:TACHOMETER DRIVE	1	
	PAOZZ	PAOZZ		PAOZZ	97403	13214E8209	KIT,GOVERNOR GOVERNOR (1) 17-22 GASKET (1) 17-23	V	
END OF FIGURE									



SECTION II

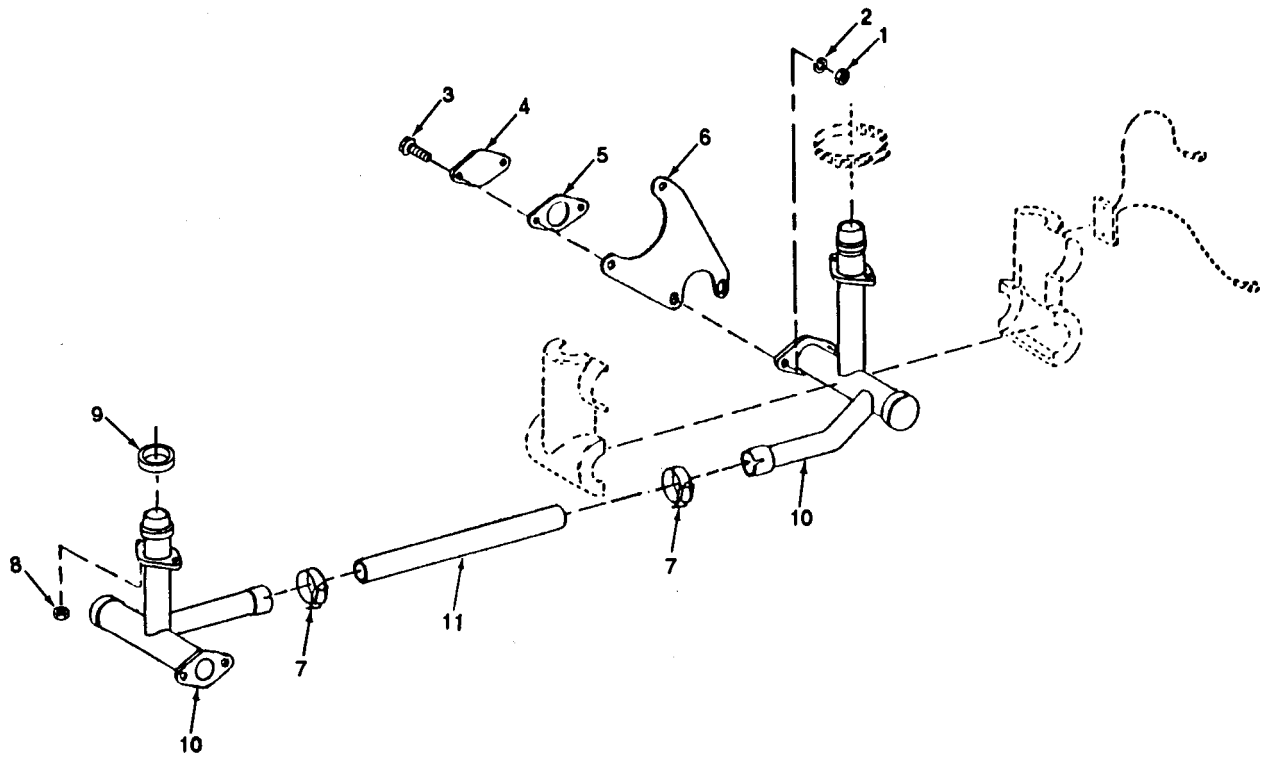


Figure 18. Exhaust Manifold and Pipe

SECTION II

(1)	(2)				(3)	(4)	(5)	(6)
	SMR CODE							
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND	
NO.	ARMY	AIR	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY
							GROUP 16 EXHAUST MANIFOLD AND EXHAUST PIPE	
							FIG.18 EXHAUST MAINIFOLD AND PIPE	
1	PAOZZ	PAOZZ		PAOZZ	96906	MS35649-2312	NUT,HEXAGON:COVER MTG	2
2	PAOZZ	PAOZZ		PAOZZ	96906	MS35338-46	WASHER,LOCK-SPRING:COVER MTG	2
3	PAOZZ	PAOZZ		PAOZZ	96906	13218E0527-64	BOLT,HEXAGON:COVER MTG	2
4	PAOZZ	PAOZZ		PAOZZ	97403	13206E0538	COVER,EXHAUST MANIFOLD	1
5	PAOZZ	PAOZZ		PAOZZ	97403	13206E0642	GASKET:EXHAUST MANIFOLD COVER (PART OF KIT,P/N 13214E8196)	1
6	XBOZZ	XBOZZ		XBOZZ	97403	13206E0811	BRACKET:EXHAUST MANIFOLD MTG	1
7	PAOZZ	PAOZZ		PAOZZ	96906	MS35842-12	CLAMP,HOSE:EXHAUST PIPE	2
8	PAOZZ	PAOZZ		PAOZZ	97403	9786E50-1	NUT,PLAIN,HEXAGON:EXHAUST MANIFOLD	4
9	PAOZZ	PAOZZ		PAOZZ	97403	13206E0964	WASHER,RECESSED:EXHAUST MANIFOLD (PART OF KIT,P/N 13214E8196)	2
10	PAOZZ	PAOZZ		PAOZZ	97403	13206E0970	MANIFOLD,EXHAUST	2
11	PAOZZ	PAOZZ		PAOZZ	97403	13206E0539	PIPE,EXHAUST	1
							END OF FIGURE	

SECTION II

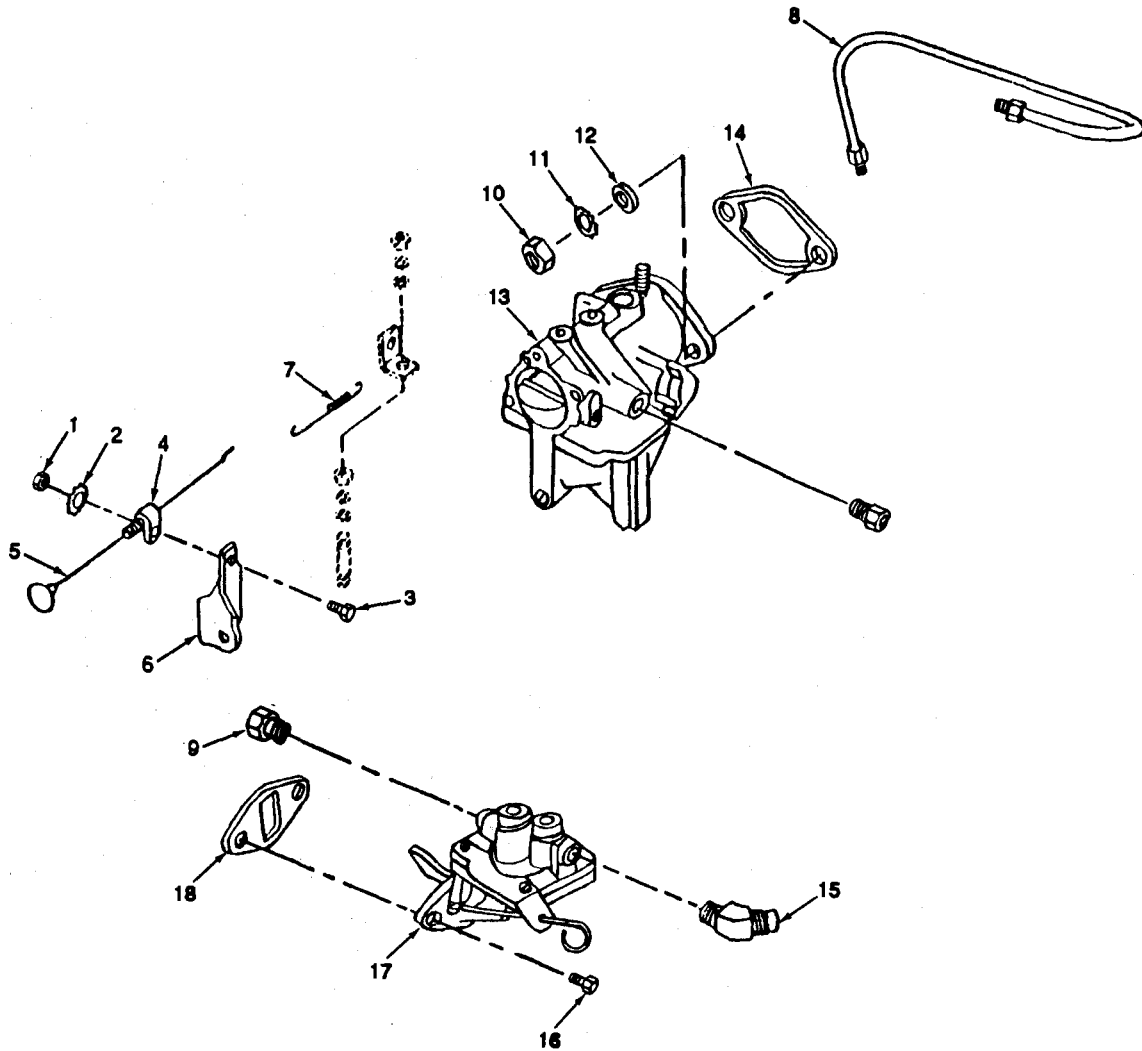


Figure 19. Manual Choke, Carburetor, and Fuel System Components

## SECTION II

(1)	(2)				(3)	(4)	(5)	(6)
	SMR CODE							
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND	
NO.	ARMY	AIR	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY
							GROUP 17 MANUAL CHOKE	
							GROUP 18 CARBURETOR	
							GROUP 19 FUEL SYSTEM	
							FIG. 19 MANUAL CHOKE,CARBURETOR	
							AND FUEL SYSTEM COMPONENTS	
1	PAOZZ	PAOZZ		PAOZZ	96906	MS35649-202	NUT,PLAIN,HEXAGON:CHOKE	
							CONTROL CABLE BRACKET TO CLAMP	
							SCREW	1
2	PAOZZ	PAOZZ		PAOZZ	96906	MS35335-32	WASHER,LOCK:CHOKE CONTROL	
							CABLE TO BRACKET	1
3	PAOZZ	PAOZZ		PAOZZ	96906	MS35206-261	SCREW,ASSEMBLED:CHOKE CONTROL	
							CLAMP TO BRACKET	1
4	PAOZZ	PAOZZ		PAOZZ	97403	13206E1184	CLAMP,CABLE:CHOKE CONTROL	1
5	PAOZZ	PAOZZ		PAOZZ	97403	13206E1180	CHOKE CONTROL ASSEMBLY	1
6	PAOZZ	PAOZZ		PAOZZ	97403	13206E0903	BRACKET,CABLE	1
7	PAOZZ	PAOZZ		PAOZZ	97403	13213E3279	SPRING,HELICAL,EXTENSION:CHOKE	
							CABLE RETURN	1
8	PAOZZ	PAOZZ		PAOZZ	97403	13206E1090	TUBE ASSEMBLY,METAL:PUMP TO	
							CARBURETOR	1
9	PAOZZ	PAOZZ		PAOZZ	97403	13218E0185-12	CONNECTOR,INVERTED:CARBURETOR	
							TO FUEL INLET LINE	2
10	PAOZZ	PAOZZ		PAOZZ	96906	MS51968-5	NUT,PLAIN,HEXAGON:CARBURETOR	
							TO INTAKE MANIFOLD STUD	2
11	PAOZZ	PAOZZ		PAOZZ	96906	MS35335-34	WASHER,LOCK:CARBURETOR TO	
							INTAKE MANIFOLD STUD	2
12	PAOZZ	PAOZZ		PAOZZ	96906	MS27183-12	WASHER,FLAT:CARBURETOR TO	
							INTAKE MANIFOLD STUD	2
							(PART OF KIT,P/N 13214E8200)	
13	KFOZZ	KFOZZ		KFOZZ	97403	13206E1170-1	CARBURETOR	1
							(PART OF KIT,P/N 13214E8200)	
14	PAOZZ	PAOZZ		PAOZZ	97403	13206E1152	GASKET:CARBURETOR MTG	1
							(PART OF KITS,P/N 13214E8196 AND	
							13214E8200)	
15	PAOZZ	PAOZZ		PAOZZ	96906	MS20823-3B	ELBOW,PIPE TO TUBE:MALE,45	
							DEGREE,1/8-27 NPTF,1/2-20UNF 2A 39	
							DEGREE FLARE MALE	1
16	PAOZZ	PAOZZ		PAOZZ	97403	13218E0504-68	SCREW,ASSEMBLED:FUEL PUMP TO	
							CRANKCASE	2
17	KFOZZ	KFOZZ		KFOZZ	97403	13226E6170	FUEL PUMP ASSEMBLY WITH PRIMER	1
							(PART OF KIT,P/LN 13226E6169)	
18	PAOZZ	PAOZZ		PAOZZ	97403	13206E0401	GASKET:FUEL PUMP MTG	1
							(PART OF KIT,P/N 13214E8196)	
	PAOZZ	PAOZZ		PAOZZ	97403	13214E8200	KIT,CARBURETOR	V
							WASHER (2) 19-12	
							CARBURETOR (1) 19-13	
							GASKET (1) 19-14	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)
	SMR CODE					
ITEM	a.	b.	c.	d.		USMC
NO.	ARMY	AIR	NAVY	USMC	PART	QTY/
		FORCE		CAGEC	NUMBER	EQUIP
	PAOZZ	PAOZZ		PAOZZ	97403	13226E6169
						KIT,FUEL PUMP
						GASKET (1) 2-11
						FUEL PUMP (1) 19-17
						GASKET (1) 19-18
						END OF FIGURE





SECTION II

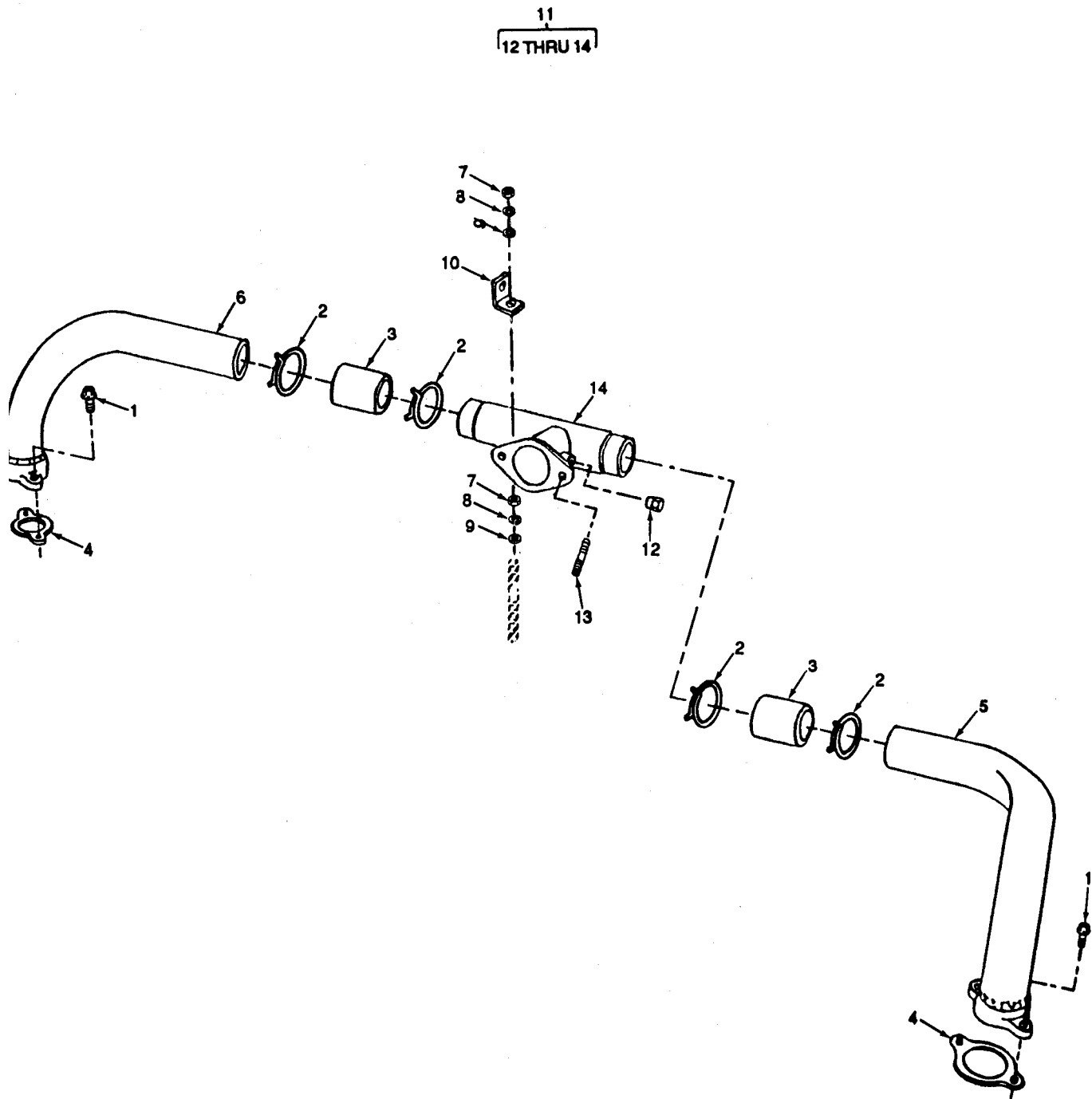


Figure 20. Intake Manifold Assembly

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SECTION II

(1)	(2)				(3)	(4)	(5)	(6)
	SMR CODE							
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND	
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY
GROUP 20 INTAKE MANIFOLD ASSEMBLY								
FIG. 20 INTAKE MANIFOLD ASSEMBLY								
1	PAOZZ	PAOZZ		PAOZZ	19207	187263	SCREW,ASSEMBLED:MANIFOLD MTG	4
2	PAOZZ	PAOZZ		PAOZZ	96906	MS39326-26	CLAMP,HOSE:INTAKE MANIFOLD	4
3	MOOZZ	MOOZZ		MOOZZ	97403	13206E0863	HOSE,NONMETALLIC:INTAKE MANIFOLD (MAKE FROM NONMETALLIC HOSE,P/N MIL-H-6000)	2
4	PAOZZ	PAOZZ		PAOZZ	97403	13206E1151	GASKET:INTAKE MANIFOLD MTG (PART OF KIT,P/N 13214E8196)	2
5	PAOZZ	PAOZZ		PAOZZ	97403	13206E0870	TUBE,INTAKE MANIFOLD:CYLINDER NO.2	1
6	PAOZZ	PAOZZ		PAOZZ	97403	13206E0860	ELBOW,INTAKE MANIFOLD:CYLINDER NO.1	1
7	PAOZZ	PAOZZ		PAOZZ	96906	MS35691-5	NUT,PLAIN,HEXAGON:INTAKE MANIFOLD BODY TO CRANKCASE STUD	2
8	PAOZZ	PAOZZ		PAOZZ	96906	MS35338-44	WASHER,LOCK:INTAKE MANIFOLD BODY TO CRANKCASE STUD	2
9	PAOZZ	PAOZZ		PAOZZ	88044	AN960-416L	WASHER,FLAT:INTAKE MANIFOLD BODY TO CRANKCASE STUD	2
10	XBOZZ	XBOZZ		XBOZZ	97403	13213E3280	BRACKET,CHOKE CABLE RETURN	1
11	PAOZZ	PAOZZ		PAOZZ	97403	13206E0850	BODY ASSEMBLY,MANIFOLD	1
12	PAOZZ	PAOZZ		PAOZZ	97403	13218E0122-12	.PLUG,PIPE:INTAKE MANIFOLD BODY VACUUM TAP HOLE	1
13	PAOZZ	PAOZZ		PAOZZ	96906	MS17301-011	.STUD,PLAIN:INTAKE MANIFOLD BODY TO CARBURETOR	2
14	XBOZZ	XBOZZ		XBOZZ	97403	13206E0851	.BODY,INTAKE	1

END OF FIGURE

SECTION II

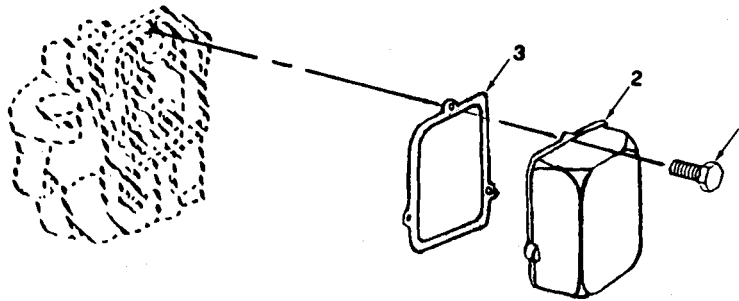


Figure 21. Rocker Box Covers

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SECTION II

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM	SMR CODE					USMC
NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	CAGEC	PART NUMBER
						DESCRIPTION AND USABLE ON CODE
						QTY/ EQUIP
						GROUP 21 ROCKER BOX COVERS
						FIG. 21 ROCKER BOX COVERS
1	PAOZZ	PAOZZ		PAOZZ	97403	13218E0504-58
						SCREW ASSEMBLED:ROCKER BOX COVER MTG
						6
2	PAOZZ	PAOZZ		PAOZZ	97403	13206E0686
						COVER,ROCKER BOX
						2
3	PAOZZ	PAOZZ		PAOZZ	97403	13206E0685
						GASKET:ROCKER BOX COVER
						2
						(PART OF KIT,P/N 13214E8196)
						END OF FIGURE

SECTION II

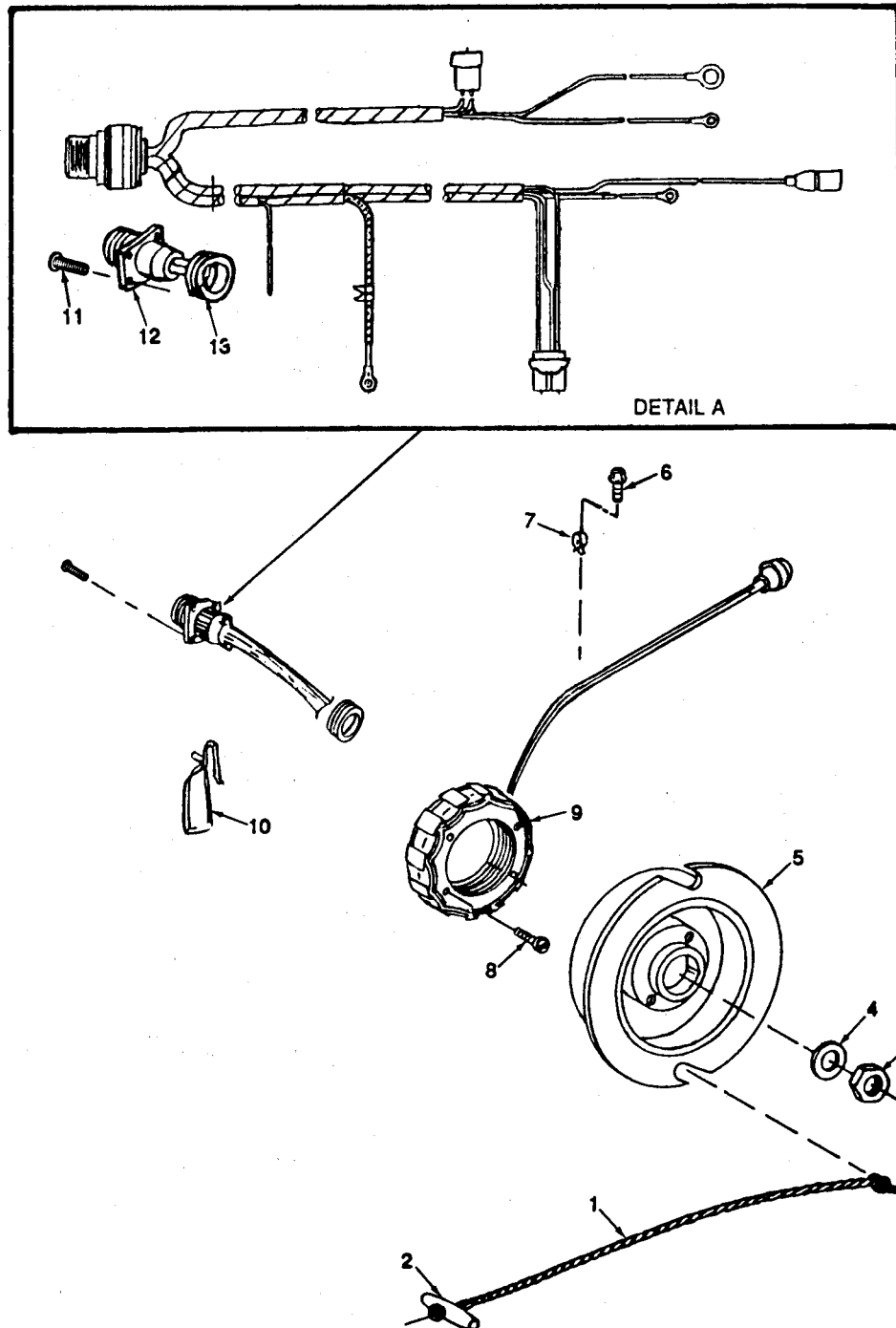


Figure 22. Alternator Assembly, Starter Pull Rope,  
and Wiring Harness

SECTION II

(1)	(2)		(3)		(4)	(5)	(6)
	SMR CODE						
ITEM	a.	b.	c.	d.		PART	
NO.	ARMY	AIR	NAVY	USMC	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODE
							GROUP 22 ALTERNATOR ASSEMBLY GROUP 23 WIRING HARNESS ASSEMBLY
							FIG.22 ALTERNATOR ASSEMBLY, STARTER PULL ROPE,AND WIRING HARNESS
1	PAOZZ	PAOZZ		PAOZZ	97403	13213E3284	STARTER ROPE,ENGINE STARTING (CAN BE MFG FROM,CORD,P/N MILC5040,5 FT REQUIRED AND HANDLE P/N 9786E121-1)
2	XAOZZ	XAOZZ		XAOZZ	97403	9786E121-1	HANDLE,STARTER ROPE (CAN BE MFG FROM,HANDLE, P/N 9786E121-1)
3	PAOZZ	PAOZZ		PAOZZ	96906	MS35690-19	NUT,PLAIN,HEXAGON:STARTER GENERATOR TO CRANKSHAFT
4	PAOZZ	PAOZZ		PAOZZ	96906	MS27183-21	WASHER,FLAT:STARTER AND GENERATOR PULLEY TO CRANKSHAFT
5	PAOZZ	PAOZZ		PAOZZ	97403	13206E0981	WHEEL,ROPE PULLEY
6	PAOZZ	PAOZZ		PAOZZ	97403	13218E0500-53	SCREW,ASSEMBLED:CLAMP MTG
7	PAOZZ	PAOZZ		PAOZZ	96906	MS21333-66	CLAMP,LOCK,CUSHIONED
8	PAOZZ	PAOZZ		PAOZZ	96906	MS35206-339	SCREW,MACHINE:STATOR ASSEMBLY TO CRANKCASE
9	PAOZZ	PAOZZ		PAOZZ	97403	13206E0707	STATOR,ENGINE GENERATOR
10	PAOZZ	PAOZZ		PAOZZ	97403	13206E0740	CLAMP:HARNESS MTG
11	PAOZZ	PAOZZ		PAOZZ	96906	MS51861-15	SCREW,TAPPING:HARNESS CONNECTOR MTG
12	PAOZZ	PAOZZ		PAOZZ	97403	13206E0632	WIRING HARNESS
13	PAOZZ	PAOZZ		PAOZZ	96906	MS35489-6	GROMMET,NONMETALLIC:WIRING HARNESS (PART OF KIT,P/N 13214E8196)

END OF FIGURE

SECTION II

2  
3 AND 4 13  
14 THRU 17

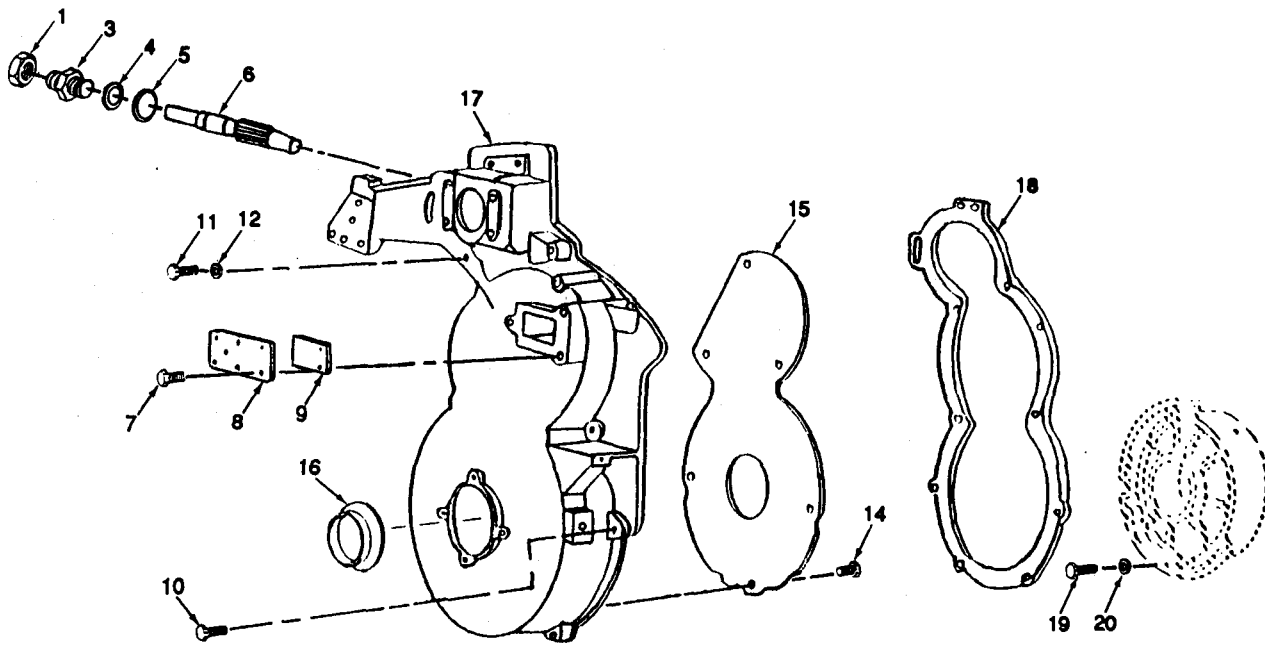


Figure 23. Timing Gear Cover

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TO 38G2-89-34  
SL-4-03523D

SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND		USMC
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	QTY/ EQUIP
GROUP 24 TIMING GEAR COVER									
FIG. TIMING GEAR COVER									
1	PAOZZ	PAOZZ		PAOZZ	96906	MS25178-14	CAP, PROTECTIVE, DUST: TACHOMETER CABLE ADAPTER	1	
2	PAOZZ	PAOZZ		PAOZZ	97403	13206E0600	ADAPTER ASSEMBLY, TACHOMETER CABLE		
3	XAOZZ	XAOZZ		XAOZZ	97403	13206E0601	.ADAPTER, TACHOMETER	1	
4	KFOZZ	KFOZZ		KFOZZ	97403	13206E0602	.SEAL, OIL: TACHOMETER ADAPTER TO GEAR		
5	KFOZZ	KFOZZ		KFOZZ	97403	13206E0599	(PART OF KITS, P/N 13214E8212 AND 13215E3823) GASKET: TACHOMETER CABLE ADAPTER	1	
6	PAOZZ	PAOZZ		PAOZZ	97403	13206E0598	(PART OF KITS, P/N 13214E8196 AND 13215E3823) GEARSHAFT, HELICAL: TACHOMETER DRIVEN	1	
7	PAOZZ	PAOZZ		PAOZZ	97403	13218E0504-33	SCREW, ASSEMBLED: REED SUPPORT MTG	2	
8	PAOZZ	PAOZZ		PAOZZ	97403	13206E0605	SUPPORT, AIR BREATHER REED	1	
9	PAOZZ	PAOZZ		PAOZZ	97403	13206E0604	REED, AIR BREATHER	1	
10	PAFZZ	PAHZZ		PAFZZ	19207	10947213-2	SCREW, ASSEMBLED: GEAR COVER ASSEMBLY MTG	8	
11	PAFZZ	PAFZZ		PAFZZ	96906	MS51849-99	SCREW, MACHINE: GEAR COVER ASSEMBLY MTG	1	
12	PAFZZ	PAFZZ		PAFZZ	96906	MS35335-33	WASHER, LOCK: GEAR COVER ASSEMBLY MTG	1	
13	KFFZZ	KFFZZ		KFFZZ	96906	13215E4160	COVER ASSEMBLY, TIMING GEAR (PART OF KIT P/N 13215E3823)	1	
14	PAFZZ	PAFZZ		PAFZZ	96906	MS21318-41	.SCREW, DRIVE: AIR BREATHER BAFFLE TO GEAR COVER MTG	6	
15	KFFZZ	KFFZZ		KFFZZ	97403	13216E3831	.BAFFLE, AIR BREATHER	1	
16	KFFZZ	KFFZZ		KFFZZ	97403	13206E0593	.SEAL, PLAIN ENCASED: GEAR COVER TO CRANKSHAFT	1	
17	KFFZZ	KFFZZ		KFFZZ	97403	13216E3827	(PART OF KIT, P/N 13214E8212) .COVER, GEAR	1	
18	KFFZZ	KFFZZ		KFFZZ	97403	13206E0582	GASKET: GEAR COVER (PART OF KITS, P/N 13214E8196 AND 13215E3823)	1	
19	PAFZZ	PAFZZ		PAFZZ	97403	MS51849-97	SCREW, ASSEMBLED: MAIN BEARING DIAPHRAGM MTG	3	
20	PAHZZ	PAHZZ		PAHZZ	96906	MS35338-44	WASHER, LOCK: MAIN BEARING, DIAPHRAGM BOLT	3	



SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
	a.	b.	c.	d.					USMC
ITEM	AIR					PART	DESCRIPTION AND		QTY/
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	EQUIP
	PAFZZ	PAFZZ		PAFZZ	97403	13215E3823	KIT, GEAR COVER REPAIR TEE (1) 8-6 SEAL (1) 23-4 GASKET (1) 23-5 GEAR COVER (1) 23-13 GASKET (1) 23-18	V	

END OF FIGURE



SECTION II

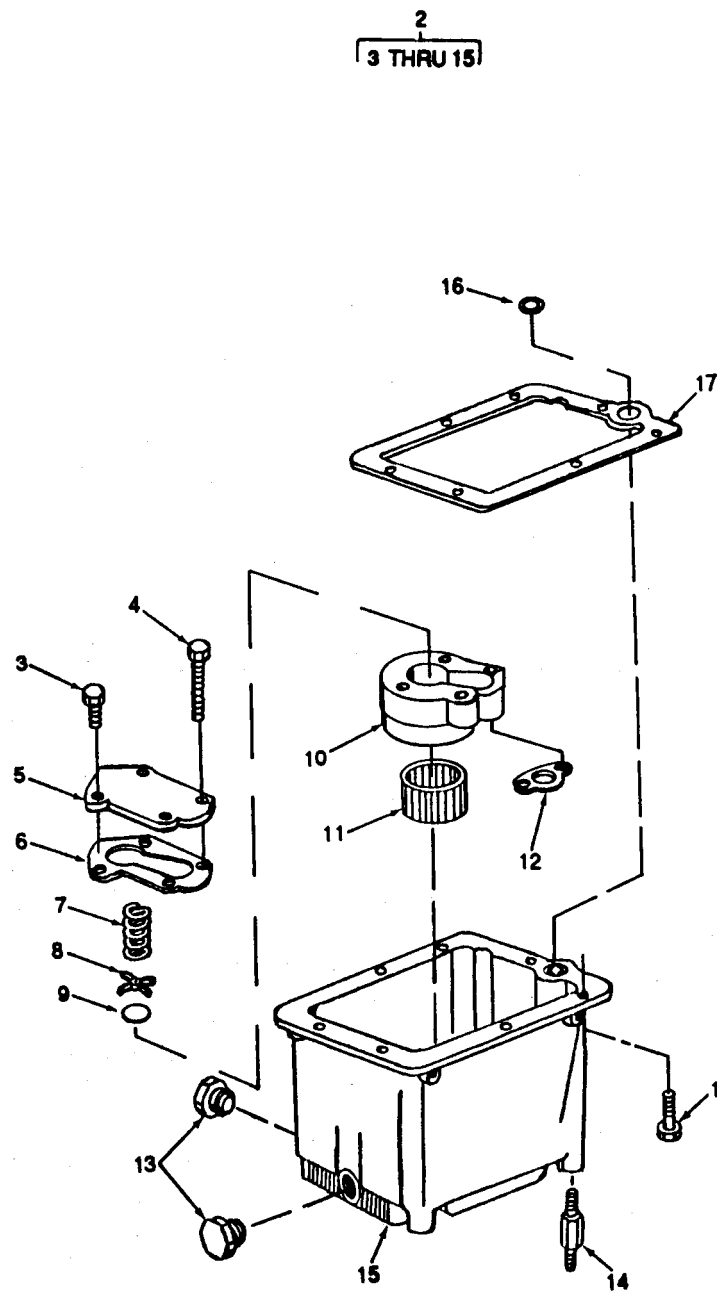


Figure 24. Oil Pan Assembly

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TO 38G2-89-34  
SL-4-03523D

SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND	USMC	
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	EQUIP
GROUP 25 OIL PAN ASSEMBLY									
FIG.24 OIL PAN ASSEMBLY									
1	PAFZZ	PAFZZ		PAFZZ	19207	10947213-2	SCREW,ASSEMBLED:OIL PAN TO CRANKCASE	7	
2	XBFZZ	XBFZZ		XBFZZ	97403	13206E0720	OIL PAN	1	
3	PAFZZ	PAFZZ		PAFZZ	97403	13218E0504-67	.SCREW,ASSEMBLED:CHECK VALVE COVER MTG 1/4-20X5/8 LG	3	
4	PAFZZ	PAFZZ		PAFZZ	97403	13218E0500-95	.SCREW,ASSEMBLED:CHECK VALVE BODY COVER THRU TO OIL PAN 1/4-20 X 1 5/8 LG	2	
5	XBFZZ	XBFZZ		XBFZZ	97403	13206E0711	.COVER,CHECK VALVE	1	
6	PAFZZ	PAFZZ		PAFZZ	97403	13206E0544	.GASKET:CHECK VALVE BODY COVER (PART OF KIT,P/N 13214E8196)	1	
7	XAFZZ	XAFZZ		XAFZZ	97403	13206E0758	.SPRING,HELICAL,COMP	1	
8	PAFZZ	PAFZZ		PAFZZ	97403	13206E0757	.RETAINER,CHECK VALVE	1	
9	PAFZZ	PAFZZ		PAFZZ	97403	13206E0756	.DISK,SOLID,PLAIN	1	
10	PAFZZ	PAFZZ		PAFZZ	97403	13206E0755	.BODY,CHECK VALVE	1	
11	PAFZZ	PAFZZ		PAFZZ	97403	13206E0750	.SCREEN,FLUID CHECK VALVE FILTER	1	
12	KFFZZ	KFFZZ		KFFZZ	97403	13206E0754	.GASKET:CHECK VALVE BODY (PART OF KIT,P/N 13214E8196)	1	
13	PAOZZ	PAOZZ		PAOZZ	96906	MS35844-83	.PLUG,MACHINE THREAD WITHOUT GASKET	2	
14	PAFZZ	PAFZZ		PAFZZ	97403	13206E0725	STUD,SPECIAL:OIL PAN SHROUD COVER MTG	4	
15	XBFZZ	XBFZZ		XBFZZ	97403	13206E0721	.PAN,OIL	1	
16	KFFZZ	KFFZZ		KFFZZ	97403	13206E0734	SEAL:OIL PUMP SUPPLY LINE (PART OF KIT,P/N 13214E8196)	1	
17	PAFZZ	PAFZZ		PAFZZ	97403	13206E0733	GASKET:OIL PAN (PART OF KIT,P/N 13214E8196)	1	

END OF FIGURE

SECTION II

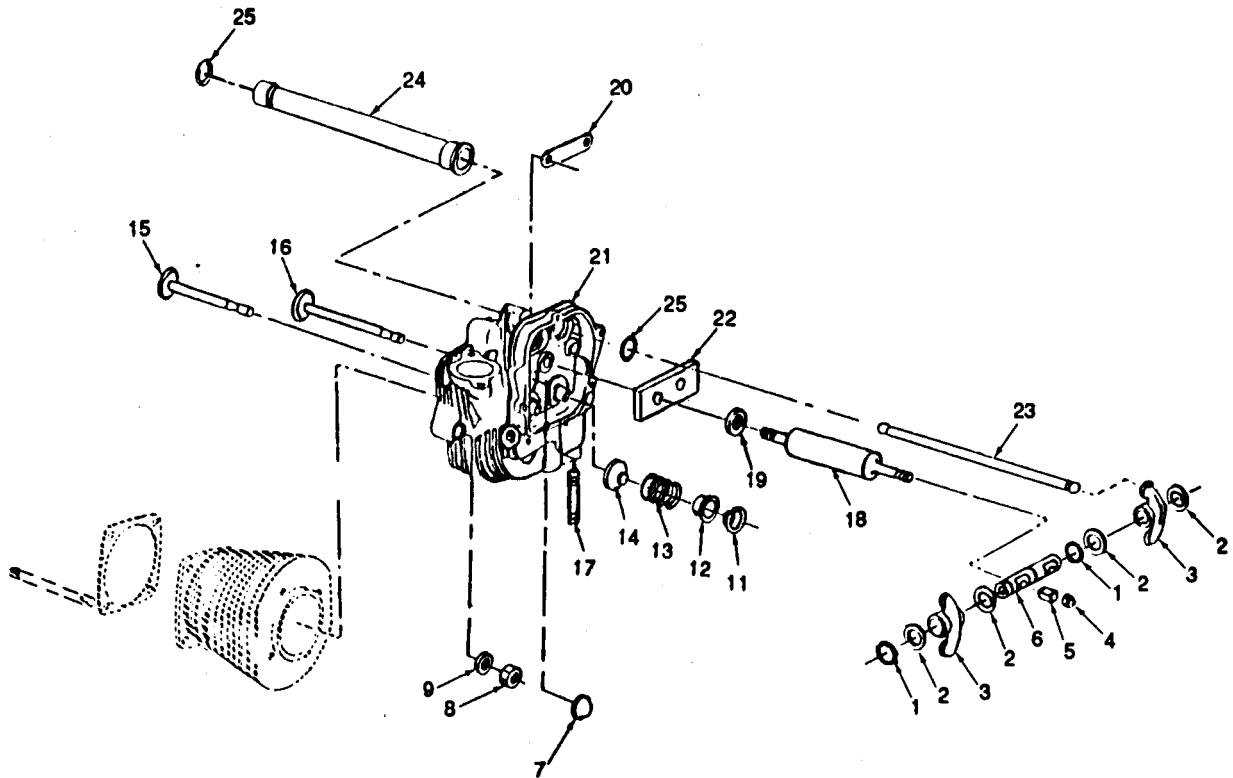


Figure 25. Cylinder Head Assembly

**TM 9-2805-258-24P**  
**TO 38G2-89-34**  
**SL-4-03523D**

**SECTION II**

(1) ITEM NO.	(2) SMR CODE				(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE	(6) QTY	(7) USMC AND EQUIP
	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC					
							GROUP 26 CYLINDER HEAD ASSEMBLY		
							FIG. 25 CYLINDER HEAD ASSEMBLY		
1	PAFZZ	PAFZZ	---	PAFZZ	96906	MS16624-1062	RING, RETAINING: ROCKER TO ROCKER SHAFT ..... 4		
2	PAFZZ	PAFZZ	---	PAFZZ	97403	13213E3294	WASHER, FLAT: ROCKER TO ROCKER SHAFT SPACER ..... 8		
3	PAFZZ	PAFZZ	---	PAFZZ	97403	13206E0700	ROCKER, ASSEMBLY ..... 4		
4	PAFZZ	PAFZZ	---	PAFZZ	97403	13214E9578-1	NUT, SELF-LOCKING: ROCKER SHAFT SUPPORT CAP AND ROCKER SHAFT TO CYUNDER HEAD STUD ..... 4		
5	PAFZZ	PAFZZ	---	PAFZZ	97403	13213E3302	BUSHING, SLEEVE: ROCKER SHAFT SUPPORT ..... 4 (WHEN ORDERING REPLACEMENT, ALSO ORDER, SHAFT P/N 13213E3300, SUPPORT P/N 13213E3301, AND PACKING P/N MS9068-111)		
6	PAFZZ	PAFZZ	---	PAFZZ	97403	13213E3300	SHAFT, STRAIGHT ..... 2 (WHEN ORDERING REPLACE MENT, ALSO ORDER, CAP P/N 13213E3302, SUPPORT P/N 13213E3301, AND PACKING P/N MS9068-111)		
7	PAFZZ	PAFZZ	---	PAFZZ	97403	13216E3828	PLUG, CYUNDER HEAD: CYLINDER HOLD-DOWN ACCESS ..... 2		
8	PAFZZ	PAFZZ	---	PAFZZ	97403	13206E0708	NUT, CYLINDER HEAD: CYLINDER AND CYLINDER HEAD TO CRANKCASE ..... 8		
9	PAFZZ	PAFZZ	---	PAFZZ	43989	2W1-24-24-92	WASHER, FLAT: CYUNDER HEAD TO CRANKCASE STUD ..... 8		
10	KFFZZ	KFFZZ	---	KFFZZ	97403	13206E0660	HEAD ASSEMBLY, CYLINDER ..... 2 (PART OF KIT, PIN 13214E8208)		
11	PAFZZ	PAFZZ	---	PAFZZ	97403	13206E0661	LOCK K VALVE SPRING ..... 2 (PART OF KIT, P/N 13214E8208)		
12	PAFZZ	PAFZZ	---	PAFZZ	97403	13206E0669	ROTOR, ENGINE POPPET ..... 2 (PART OF KIT, P/N 13214E8208)		
13	PAFZZ	PAFZZ	---	PAFZZ	97403	13206E0679	SPRING, HELICAL, COMP ..... 2 (PART OF KIT, PIN 13214E8208)		
14	PAFZZ	PAFZZ	---	PAFZZ	97403	13206E0702	SEAL ASSEMBLY, VALVE ..... 2 (PART OF KITS, PIN 13214ES208, 13214E8212 AND 13214E8214)		
15	KFFZZ	KFFZZ	---	KFFZZ	97403	13206E0677	VALVE, INTAKE ..... 1 (PART OF KITS, PIN 13214E8208 AND 13214E8213)		
16	KFFZZ	KFFZZ	---	KFFZZ	97403	13206E0678	VALVE, EXHAUST ..... 1 (PART OF KITS, PIN 13214E8208 AND 13214E8214)		
17	PAOZZ	PAFZZ	---	PAFZZ	96906	MS17300-061	STUD, PLAIN: CYLINDER HEAD TO EXHAUST MANIFOLD ..... 2 (PART OF KIT, PIN 13214E8208)		
18	PAFZZ	PAFZZ	---	PAFZZ	97403	13213E3301	SUPPORT, ROCKER SHAFT ..... 2 (WHEN ORDERING REPLACEMENT, ALSO ORDER, CAP P/N 13213E3302, SHAFT P/N 13213E3300, AND PACKING P/N MS9068-111) (PART OF KIT, P/N 13214E8208)		

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SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
ITEM NO.	SMR CODE		c.	d.	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODE	QTY	USMC QTY/ EQUIP
	a.	b.							
19	PAFZZ	PAFZZ		PAFZZ	96906	MS9068-111	.PACKING,PREFORMED:CYLINDER HEAD TO ROCKER SHAFT SUPPORT (PART OF KITS, P/N 13214E8196 AND 13214E8208)	2	
20	PAFZZ	PAFZZ		PAFZZ	97403	13206E0662	.PLATE,ROCKER SHAFT (PART OF KIT,P/N 13214E8208)	1	
21	KFFZZ	KFFZZ		KFFZZ	97403	13206E0670	.CYLINDER HEAD (PART OF KIT,P/N 13214E8208)	1	
22	PAOZZ	PAOZZ		PAOZZ	97403	13215E4165	PLATE,RETAINING	4	
23	PAFZZ	PAFZZ		PAFZZ	97403	13206E0680-1	PUSH ROD,ENGINE POPPET	4	
24	PAOZZ	PAOZZ		PAOZZ	97403	13206E0667	HOUSING,PUSH ROD	4	
25	KFFZZ	KFFZZ		KFFZZ	96906	MS9068-211	PACKING,PREFORMED:PUSH ROD HOUSING	8	
	PAFFF	PAFFF		PAFFF	97403	13214E8208	(PART OF KIT,P/N 13214E8196) KIT,CYLINDER HEAD HEAD ASSY (1) 25-10 LOCK (2) 25-11 ROTOR (2) 25-12 SPRING (2) 25-13 SEAL (2) 25-14 VALVE,INTAKE (1) 25-15 VALVE,EXHAUST (1) 25-16 STUD (2) 25-17 SUPPORT (2) 25-18 PACKING (2) 25-19 PLATE (1) 25-20 HEAD (1) 25-21	V	
	PAFZZ	PAFZZ		PAFZZ	97403	13214E8213	KIT,INTAKE VALVE SEAL (1) 25-14 VALVE (1) 25-15	V	
	PAFZZ	PAFZZ		PAFZZ	97403	13214E8214	KIT,EXHAUST VALVE SEAL (1) 25-14 VALVE (1) 25-16	V	

END OF FIGURE





SECTION II

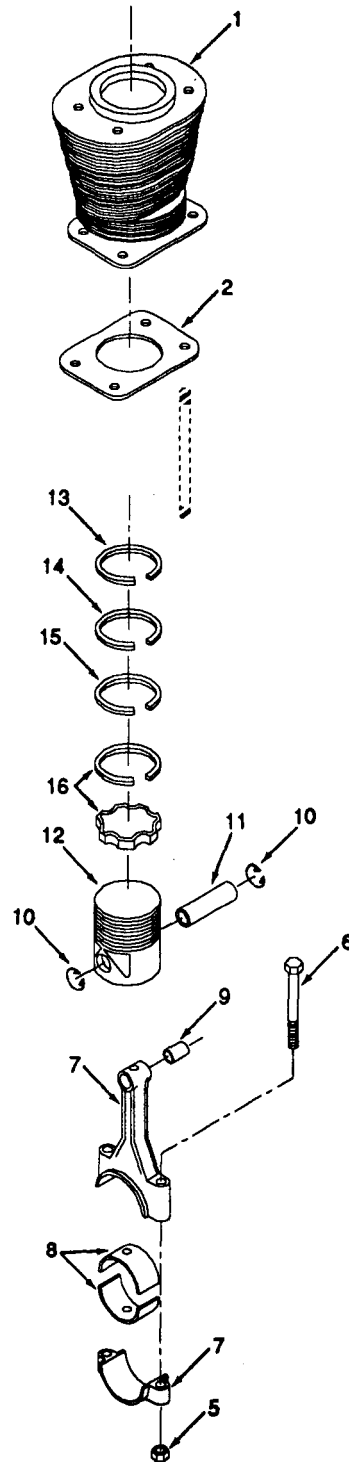


Figure 26. Piston, Connecting Rod, and Cylinder

## SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND		USMC
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	QTY/ EQUIP
							GROUP 27 PISTON AND CONNECTING ROD ASSEMBLY GROUP 28 CYLINDERS		
							FIG.26 PISTON,CONNECTING ROD AND CYLINDER		
1	PAHZZ	PAHZZ		PAHZZ	97403	13206E0631	CYLINDER,ENGINE	2	
2	PAHZZ	PAHZZ		PAHZZ	97403	13206E0634	GASKET,CYLINDER TO CRANKCASE (PART OF KIT,P/N 13214E8196)	2	
3	PAHZZ	PAHZZ		PAHZZ	97403	13206E0640	PISTON AND CONNECTING ROD ASSEMBLY	2	
4	PAHZZ	PAHZZ		PAHZZ	97403	13206E0650	.ROD AND CAP ASSEMBLY	1	
5	PAHZZ	PAHZZ		PAHZZ	97403	13214E9578-1	. .NUT,SELF-LOCKING,CONNECTING ROD BOLT	2	
6	PAHZZ	PAHZZ		PAHZZ	97403	13206E0653	. .BOLT,SHOULDER	2	
7	PAHZZ	PAHZZ		PAHZZ	97403	13214E9579	. .CONNECTING ROD/CAP	1	
8	PAFZZ	PAFZZ		PAFZZ	96906	MS13836-1	.BEARING HALF,SLEEVE	2	
9	XAHZZ	XAHZZ		XAHZZ	96906	MS13963-1	.BEARING,SLEEVE:PISTON PIN	4	
10	PAHZZ	PAHZZ		PAHZZ	96906	MS13962-1	.RING,RETAINING:PISTON PIN	2	
11	PAHZZ	PAHZZ		PAHZZ	66289	DE72	.PIN,PISTON	1	
12	PAHZZ	PAHZZ		PAHZZ	97403	13206E0641	.PISTON,INTERNAL:D SIZE WITHOUT RINGS	1	
13	KFHZZ	KFHZZ		KFHZZ	97403	13206E0643	.SPACER,RING:TOP COMPRESSION (PART OF KIT,P/N 13214E8207)	1	
14	KFHZZ	KFHZZ		KFHZZ	97403	13222E6728-1	.RING,PISTON:TOP COMPRESSION (PART OF KIT,P/N 13214E8207)	14	
15	KFHZZ	KFHZZ		KFHZZ	97403	13222E6729-1	.RING,PISTON:INTERMEDIATE COMPRESSION	1	
							PART OF KIT,P/N 13214E8207 (PART OF KIT,P/N 13214E8207)		
16	KFHZZ	KFHZZ		KFHZZ	97403	13222E6730-1	.RING, PISTON: OIL ASSEMBLY	1	
	PAHZZ	PAHZZ		PAHZZ	97403	13214E8207	KIT,PISTON RINGS SPACER (1) 26-13 RING (1) 26-14 RING (1) 26-15 RING (1) 26-16	V	

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SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND		USMC
NO.	ARMY	AIR	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	QTY/ EQUIP
	PAOZZ	PAOZZ		PAOZZ	97403	13214E8196	KIT,ENGINE GASKET OVERHAUL	V	
							GASKET (1) 2-11		
							GASKET (1) 3-3		
							GASKET (1) 3-14		
							GASKET (1) 4-5		
							GROMMET (1) 5-5		
							GROMMET (2) 5-6		
							GASKET (1) 9-16		
							GASKET (1) 12-6		
							GASKET (1) 17-23		
							GASKET (2) 18-5		
							SEAT (2) 18-9		
							GASKET (1) 19-14		
							GASKET (1) 19-18		
							GASKET (2) 20-4		
							GASKET (2) 21-3		
							GROMMET (1) 22-13		
							GASKET (1) 23-5		
							GASKET (1) 23-18		
							GASKET (1) 24-6		
							GASKET (1) 24-12		
							GASKET (1) 24-16		
							SEAL (1) 24-17		
							PACKING (4) 25-19		
							PACKING (8) 25-25		
							GASKET (2) 26-2		

END OF FIGURE



SECTION II

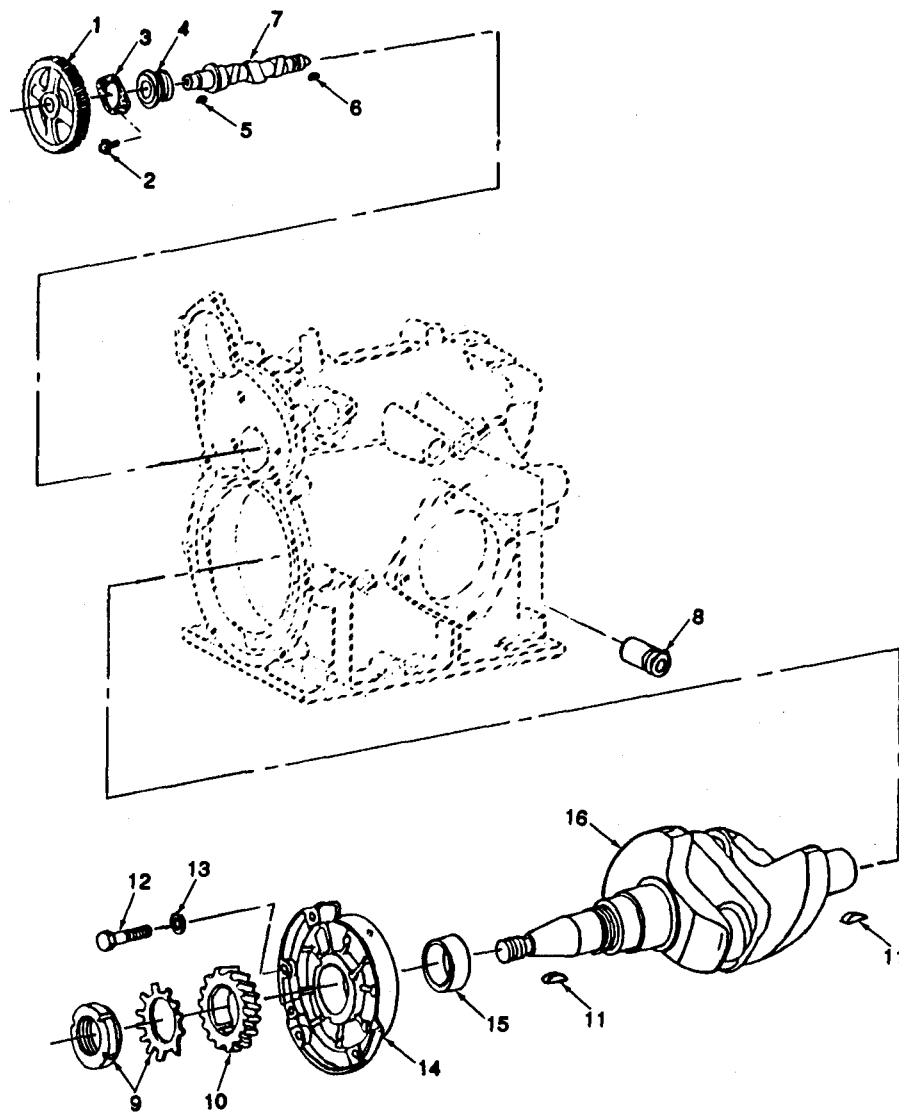


Figure 27. Camshaft and Crankshaft Assemblies

**TM 9-2805-258-24P  
TO 38G2-89-34  
SL-4-03523D**

**SECTION II**

(1) ITEM NO.	(2) SMR CODE				(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE	(6) QTY	(7) USMC AND EQUIP
	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC					
							GROUP 29 CAMSHAFT ASSEMBLY		
							GROUP 30 CRANKSHAFT ASSEMBLY		
							FIG 27 CAMSHAFT AND CRANKSHAFT ASSEMBLIES		
1	PAHZZ	PAHZZ	----	PAHZZ	97403	13206E575	GEAR, HELICAL.....	1	
2	PAHZZ	PAHZZ	----	PAHZZ	97403	13218E500-67	SCREW, ASSEMBLED:CAMSHAFT		
3	XDHZZ	XDHZZ	----	XDHZZ	97403	13206E574	BEARING RETAINER TO CRANKCASE.....	2	
4	PAHZZ	PAHZZ	----	PAHZZ	97403	13206E573	PLATE, SPACER: CAMSHAFT BEARING .....	1	
5	PAHZZ	PAHZZ	----	PAHZZ	96906	MS35756-6	BEARING, SLEEVE .....	1	
6	PAHZZ	PAHZZ	----	PAHZZ	96906	MS35756-5	KEY, WOODRUFF: CAMSHAFT GEAR TO CAMSHAFT .....	1	
7	PAHZZ	PAHZZ	----	PAHZZ	97403	13206E0571	KEY, WOODRUFF: OIL PUMP DRIVE		
8	PAHZZ	PAHZZ	----	PAHZZ	97403	13206E0580	GEAR TO CAMSHAFT LOCKING .....	1	
9	PAHZZ	PAHZZ	----	PAHZZ	96906	MS51968-20	CAMSHAFT, ENGINE .....	1	
10	PAHZZ	PAHZZ	----	PAHZZ	97403	13206E0626	TAPPET, ENGINE POPPET .....	4	
11	PAHZZ	PAHZZ	----	PAHZZ	96906	MS35756-34	NUT AND WASHER: GEAR TO .....	1	
12	PAHZZ	PAHZZ	----	PAHZZ	96906	MS51849-97	CRANKSHAFT .....		
13	PAHZZ	PAHZZ	----	PAHZZ	96906	MS35338-44	GEAR, HELICAL.....	1	
14	PAHZZ	PAHZZ	----	PAHZZ	97403	13206E0620	KEY, WOODRUFF: FAN ASSEMBLY AND		
15	PAHZZ	PAHZZ	----	PAHZZ	97403	13206E0534	GEAR TO CRANKSHAFT LOCKING.....	2	
16	PAHHH	PAHHH	----	PAHHH	97403	13206E0611	SCREW: MAIN BEARING DIAPHRAGM MTG .....	3	
							WASHER, LOCK: MAIN BEARING		
							DIAPHRAGM MTG .....	3	
							DIAPHRAGM, MAIN BEARING, FRONT .....	1	
							BEARING, SLEEVE .....	4	
							CRANKSHAFT ASSEMBLY .....	1	
							END OF FIGURE		

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SECTION II

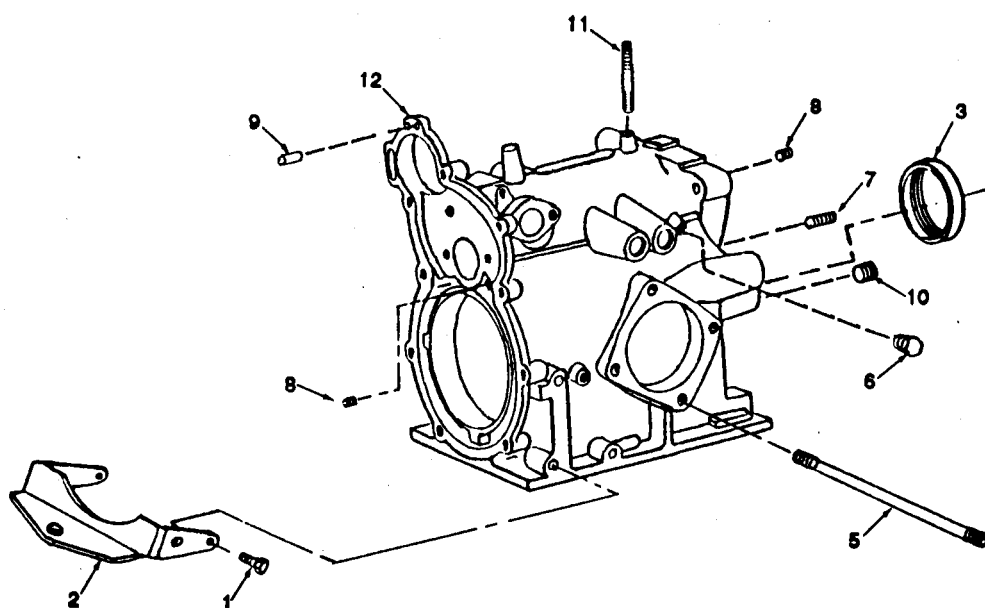


Figure 28. Crankcase and Seal

TM9-2805-258-24P  
TO 38G2-89-34  
SL-4-03523D

SECTION II

(1)	(2)				(3)	(4)	(5)	(6)	(7)
	SMR CODE								
ITEM	a.	b.	c.	d.		PART	DESCRIPTION AND		USMC
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER	USABLE ON CODE	QTY	QTY/ EQUIP
GROUP 31 CRANKCASE SEAL									
FIG. 28 CRANKCASE AND SEAL									
1	PAOZZ	PAOZZ		PAOZZ	97403	13218E0504-79	SCREW,ASSEMBLED:FRONT ENGINE		
							MTG		4
2	PAOZZ	PAOZZ		PAOZZ	97403	13216E3830	ENGINE MOUNT,FRONT		1
3	KFFZZ	KFFZZ		KFFZZ	97403	13206E0545	SEAL,PLAIN ENCASED:CRANKSHAFT,		
							REAR		1
							(PART OF KIT,P/N 13214E8212)		
4	XDHHH	XDHHH		XDHHH	97403	13206E0530	CRANKCASE ASSEMBLY		1
5	PAHZZ	PAHZZ		PAHZZ	97493	13206E0547	.STUD,STEPPED:CRANKCASE TO		
							CYLINDER AND CYLINDER HEAD		8
6	PAHZZ	PAHZZ		PAHZZ	96906	MS27769-1	.PLUG,PIPE CRANKCASE		4
7	XDFZZ	XDFZZ		XDFZZ	96906	MS17300-036	.STUD,PLAIN:OIL PUMP COVER MTG		7
8	PAHZZ	PAHZZ		PAHZZ	96906	MS27769-2	.PLUG,PIPE:CRANKCASE		2
9	XBHZZ	XBHZZ		XBHZZ	96906	MS16555-347	.PIN,STRAIGHT:CRANKCASE TO GEAR		1
10	PAFZZ	PAFZZ		PAFZZ	96906	MS27769-3	.PLUG,PIPE:CRANKCASE		1
11	PAOZZ	PAOZZ		PAOZZ	97403	13206E0537	.STUD,INTAKE MANIFOLD MTG		1
12	XAHZZ	XAHZZ		XAHZZ	97403	13206E0531	.CRANKCASE		1
	PAFZZ	PAFZZ		AFZZ	97403	13214E8212	KIT,OIL SEAL		V
							SEAL (1) 23-4		
							SEAL (1) 23-16		
							SEAL (1) 28-3		

END OF FIGURE





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SECTION II

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	SMR CODE					
	a.	b.	c.	d.		USMC
ITEM	AIR				PART	QTY/
NO.	ARMY	FORCE	NAVY	USMC	CAGEC	NUMBER
						DESCRIPTION AND USABLE ON CODE
						QTY EQUIP
						GROUP 32 BULK MATERIAL
						FIG. BULK
	PAOZZ	PAOZZ		PAOZZ	81349	MIL-H-6000
						HOSE, NONMETALLIC
						V
						END OF FIGURE



**TM 9-2805-258-24P  
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**SECTION IV**

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

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
2805-00-010-0188	5	26	5310-00-080-6004	15	3
2805-00-010-0191	5	14	5310-00-081-4219	19	12
2805-00-010-0192	5	16	5310-00-087-0057	17	18
2805-00-010-0194	5	11	5330-00-087-3612	1	2
5310-00-014-5850	5	13	5310-00-087-7493	12	4
5307-00-017-8326	28	5		13	2
2990-00-017-8327	7	3	2805-00-103-5308	5	18
2805-00-017-8330	26	1	2805-00-103-5313	20	5
5310-00-017-8422	25	8	2805-00-103-5331	5	27
5315-00-017-8674	27	10	2805-00-103-9017	20	11
3020-00-017-8675	27	1	5307-00-105-5975	24	14
5310-00-017-8919	18	8	2805-00-110-3472	17	19
3120-00-017-8921	27	15	2805-00-124-0581	18	4
5330-00-017-8923	9	18	3040-00-126-8225	23	6
2990-00-017-8924	9	12	5310-00-167-0835	5	10
5330-00-017-8927	20	4		20	9
5305-00-017-9085	17	11	5325-00-174-9038	5	5
	19	16	6685-00-179-8632	2	6
2805-00-017-9092	27	16	5305-00-180-4966	2	9
5306-00-018-7263	20	1	4730-00-186-7797	1	3
5305-00-022-8323	5	19	4730-00-189-3017	19	15
5305-00-042-3544	5	17	2800-00-191-0269	10	8
5305-00-042-4218	7	2	5310-00-209-0786	23	12
5306-00-042-5828	2	3	5310-00-209-3671	25	9
5310-00-043-0520	9	13	2805-00-221-8649	23	
5315-00-043-1787	27	11	5310-00-223-3318	9	10
5310-00-045-5207	10	2	5340-00-225-2953	9	5
5310-00-045-5216	17	15	5306-00-225-8498	5	25
5320-00-051-8609	17	20	5306-00-226-4831	15	4
5307-00-053-1053	25	17	5306-00-226-4834	3	2
4730-00-063-7919	9	22	5325-00-245-8429	5	7
5330-00-066-2494	18	5	5330-00-251-2117	12	6
2805-00-073-3017	26	4	5305-00-253-5622	23	14
5306-00-073-3018	26	6	5325-00-263-6632	22	13
2805-00-073-3020	26		5305-00-269-3218	12	5
5330-00-073-3023	21	3	5305-00-269-3219	12	3
2805-00-073-3024	25	24		13	1
2805-00-073-3026	25	23	4730-00-277-6352	28	6
3120-00-073-3030	27	4	4730-00-278-0158	8	3
2805-00-073-3032	27	7		17	9
5330-00-073-3033	23	18	4730-00-278-2965	28	10
2805-00-073-3035	9	19	4730-00-278-3462	28	8
5330-00-073-3038	3	17	5920-00-280-4007	16	7
	4	5	4730-00-288-9953	8	5
5330-00-073-3042	24	17	4730-00-289-1930	19	9
6680-00-073-3046	9	1		20	12
5310-00-073-3048	18	9	5310-00-298-2747	3	15
5330-00-073-3049	19	14	5305-00-363-3969	5	2
2805-00-073-3052	17	12	5305-00-363-3976	10	6
	17	16		24	3
5330-00-073-3053	17	25	5305-00-363-3984	12	15
3040-00-073-4054	17	3	5365-00-374-9707	26	10
5360-00-073-3057	5	15	5305-00-405-1694	23	10
				24	1

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5310-00-407-9566	15	2	5310-00-809-4058	3	16
5305-00-411-3778	17	1		4	7
5305-00-411-8109	24	4	2920-00-810-7083	14	3
5305-00-432-4173	22	11	6620-00-814-4770	8	4
5325-00-455-4907	5	6	5310-00-823-8803	22	4
2805-00-455-9187	5	24	5310-00-829-9981	12	1
5340-00-461-4269	5	8		15	1
5307-00-462-8659	28	11		18	1
5305-00-470-3321	9	4	2940-00-832-6054	4	2
	16	3	5340-00-837-9408	23	1
5310-00-480-6025	17	21	5315-00-839-2325	10	1
2940-00-486-8126	2	13	2990-00-849-2096	17	
5310-00-514-6674	19	11	2805-00-851-6783	25	18
4730-00-540-2612	17	10	5330-00-851-6785	28	
4720-00-542-4668	9	21	2920-00-856-7095	12	
5310-00-543-5933	16	4	2805-00-865-6320	24	10
2805-00-554-9818	26	11	2805-00-867-8743	27	14
3020-00-570-2904	17	26	2805-00-867-8752	26	3
2990-00-570-2935	18	11	3120-00-867-8754	26	8
4710-00-570-2958	17	8		27	15
2805-00-570-3042	26	2	2805-00-867-8757	25	3
3120-00-570-3203	17	4	5310-00-867-8802	25	2
5330-00-570-3224	26	2	5365-00-867-8808	3	8
5310-00-576-5752	17	2	4820-00-867-8811	3	11
2940-00-580-6302	3	9	2805-00-867-8815	24	8
5310-00-582-5965	5	9	5330-00-867-8817	24	6
	9	14	4730-00-867-8818	9	23
	20	8	2805-00-867-8819	9	8
	23	20	2805-00-867-8820	19	5
	27	13	2805-00-867-8826	17	27
2940-00-586-4792	4	2	4820-00-867-8829	3	12
5310-00-596-7691	9	3	2940-00-867-8830	2	4
	19	2	5340-00-868-0865	24	9
2920-00-596-9943	12	17	4710-00-868-0867	9	24
5315-00-616-5514	27	5	3020-00-868-0889	9	17
5315-00-616-5515	27	6	2805-00-873-4028	25	7
4720-00-618-9124	BULK		2940-00-876-2213	2	7
5310-00-637-9541	12	2	5310-00-880-5978	16	5
	13	3	5310-00-880-7746	19	10
	18	2	2920-00-882-3401	15	5
2805-00-715-6549	2	12	2940-00-884-4691	2	8
5310-00-730-4425	10	3	2805-00-890-9896	16	6
5340-00-738-1100	22	10	2910-00-890-9897	10	4
5330-00-752-7750	3	3	5930-00-890-9899	11	5
5330-00-756-1673	19	18	2805-00-890-9901	11	2
2805-00-758-6646	21	2	2805-00-893-9843	18	10
2930-00-760-5466	7	1	5310-00-893-9914	12	9
2990-00-763-1292	11	3		13	8
2805-00-763-5776	6	2	5365-00-898-2081	24	13
2805-00-763-5778	20	6	2910-00-905-9792	1	1
5310-00-763-8905	22	3	4720-00-906-8939	2	2
5310-00-767-8905	27	9	4730-00-908-3193	18	7
5360-00-781-4292	19	7	4730-00-908-6292	11	1
2805-00-784-3686	27	8	4730-00-909-8627	2	1
4730-00-789-0951	9	20	5340-00-912-3114	19	6
4330-00-789-0983	24	11	2805-00-913-9751	25	11
5365-00-803-7305	12	8	5310-00-917-6624	25	4
5365-00-803-7305	13	7		26	5
	25	1	2805-00-921-6221	23	9
5365-00-803-7313	5	23	2805-00-921-6222	23	8

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STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
4730-00-921-6229	9	9	5305-01-303-5622	21	1
2805-00-922-6351	25	14	5305-01-320-2002	23	7
2805-00-922-7734	25	12			
2805-00-922-7734	25	12			
3120-00-925-8007	25	5			
5360-00-926-1768	25	13			
4710-00-927-3909	9	7			
2805-00-927-3910	28	2			
2805-00-927-3911	5	20			
5995-00-927-4210	22	12			
2805-00-928-2244	23	2			
3040-00-930-6244	25	6			
5310-00-934-9751	10	5			
	17	5			
5310-00-934-9758	9	2			
	19	1			
2805-00-937-0943	26				
2805-00-937-0944	25				
5306-00-941-6479	6	1			
2990-00-961-3692	22	1			
4710-00-963-5471	19	8			
5330-00-965-0719	25	19			
2920-00-966-9126	22	9			
3020-00-966-9127	22	5			
2910-00-966-9134	19				
5930-00-966-9167	8	1			
2920-00-966-9169	16	2			
2805-00-967-1473	25				
2805-00-967-3309	25				
5310-00-971-7989	20	7			
5305-00-974-3781	5	21			
5310-00-975-2075	9	25			
5310-00-982-4988	4	6			
5305-00-984-6208	19	3			
5305-00-988-1725	16	1			
5360-00-988-9433	17	7			
4720-00-989-3283	8	2			
5340-00-990-7610	22	7			
2910-00-999-3228	10	7			
2920-00-999-6887	12	10			
	13	9			
4730-01-005-7253	20	2			
5307-01-010-5866	3	18			
	4	8			
5305-01-101-2011	23	11			
5305-01-121-8473	27	12			
4730-01-138-2669	2	5			
4730-01-140-6706	8	6			
2805-01-140-6714	9	6			
2805-01-160-1264	5	1			
5330-01-174-8148	23	16			
2910-01-181-8315	19				
4730-01-198-8624	4	4			
9515-01-222-1429	25	22			
2805-01-253-0351	25	20			
2920-01-259-5697	14				
2920-01-259-5933	14				
2940-01-264-2105	4	3			
2920-01-266-0812	14	1			
2920-01-286-1908	14	2			
5305-01-303-5621	28	1			

## CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER	PART NUMBER INDEX		
		STOCK NUMBER	FIG.	ITEM
88044	AN901-5C	5310-00-223-3318	9	10
88044	AN911-1	4730-00-186-7797	1	3
88044	AN960-416L	5310-00-167-0835	5	10
88044	AN960-416L	5310-00-167-0835	20	9
12658	B233	2940-00-586-4792	4	2
74465	D110-48A	5360-00-988-9433	17	7
66289	DE72	2805-00-554-9818	26	11
00818	F7288	2805-00-890-9896	16	6
81349	MIL-H-6000	4720-00-618-9124	BULK	
96906	MS13836-1	3120-00-867-8754	26	8
96906	MS13836-1	3120-00-867-8754	27	15
96906	MS13962-1	5365-00-374-9707	26	10
96906	MS13963-1		26	9
96906	MS15795-807	5310-00-880-5978	16	5
96906	MS15795-908	5310-00-045-5207	10	2
96906	MS15795-916	5310-00-045-5216	17	15
96906	MS16555-347		28	9
96906	MS16624-1062	5365-00-803-7305	12	8
96906	MS16624-1062	5365-00-803-7305	13	7
96906	MS16624-1062	5365-00-803-7305	25	1
96906	MS16624-3031	5365-00-803-7313	5	23
96906	MS17300-036		28	7
96906	MS17300-061	5307-00-053-1053	25	17
96906	MS17300-111	5307-01-010-5866	3	18
96906	MS17300-111	5307-01-010-5866	4	8
96906	MS17301-011		20	13
96906	MS20500-428	5310-00-298-2747	3	15
96906	MS20604B4T2		11	4
96906	MS20613-6P5	5320-00-051-8609	17	20
96906	MS20823-3B	4730-00-189-3017	19	15
96906	MS21045C4	5310-00-982-4988	4	6
96906	MS21318-41	5305-00-253-5622	23	14
96906	MS21333-66	5340-00-990-7610	22	7
96906	MS24538-1	6620-00-814-4770	8	4
96906	MS24585-494	2805-00-867-8826	17	27
96906	MS24665-132	5315-00-839-2325	10	1
96906	MS25178-14	5340-00-837-9408	23	1
96906	MS27183-10	5310-00-809-4058	3	16
96906	MS27183-10	5310-00-809-4058	4	7
96906	MS27183-12	5310-00-081-4219	19	12
96906	MS27183-13	5310-00-087-7493	12	4
96906	MS27183-13	5310-00-087-7493	13	2
96906	MS27183-2	5310-00-087-0057	17	18
96906	MS27183-21	5310-00-823-8803	22	4
96906	MS27183-42	5310-00-014-5850	5	13
96906	MS27769-1	4730-00-277-6352	28	6
96906	MS27769-2	4730-00-278-3462	28	8
96906	MS27769-3	4730-00-278-2965	28	10
96906	MS35206-261	5305-00-984-6208	19	3
96906	MS35206-281	5305-00-988-1725	16	1
96906	MS35206-339		22	8
96906	MS35333-39	5310-00-576-5752	17	2
96906	MS35333-73	5310-00-543-5933	16	4
96906	MS35335-32	5310-00-596-7691	9	3

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SECTION IV

CAGEC	PART NUMBER	STOCK NUMBER	FIG.	ITEM
96906	MS35335-32	5310-00-596-7691	19	2
96906	MS35335-33	5310-00-209-0786	23	12
96906	MS35335-34	5310-00-514-6674	19	11
96906	MS35338-14	5310-00-080-6004	15	3
96906	MS35338-44	5310-00-582-5965	5	9
96906	MS35338-44	5310-00-582-5965	9	14
96906	MS35338-44	5310-00-582-5965	20	8
96906	MS35338-44	5310-00-582-5965	23	20
96906	MS35338-44	5310-00-582-5965	27	13
96906	MS35338-45	5310-00-407-9566	15	2
96906	MS35338-46	5310-00-637-9541	12	2
96906	MS35338-46	5310-00-637-9541	13	3
96906	MS35338-46	5310-00-637-9541	18	2
96906	MS35489-6	5325-00-263-6632	22	13
96906	MS35489-20	5325-00-174-9038	5	5
96906	MS35649-202	5310-00-934-9758	9	2
96906	MS35649-202	5310-00-934-9758	19	1
96906	MS35649-2312	5310-00-829-9981	12	1
96906	MS35649-2312	5310-00-829-9981	15	1
96906	MS35649-2312	5310-00-829-9981	18	1
96906	MS35650-302	5310-00-934-9751	10	5
96906	MS35650-302	5310-00-934-9751	17	5
96906	MS35650-3252	5310-00-043-0520	9	13
96906	MS35690-19	5310-00-763-8905	22	3
96906	MS35691-5	5310-00-971-7989	20	7
96906	MS35691-21	5310-00-975-2075	9	25
96906	MS35756-5	5315-00-616-5515	27	6
96906	MS35756-6	5315-00-616-5514	27	5
96906	MS35769-4	5330-00-752-7750	3	3
96906	MS35802		3	10
96906	MS35802-1	2940-00-580-6302	3	9
96906	MS35842-12	4730-00-908-3193	18	7
96906	MS35842-13	4730-00-909-8627	2	1
96906	MS35842-14	4730-00-908-6292	11	1
96906	MS35844-83	5365-00-898-2081	24	13
96906	MS35910-1		14	4
96906	MS39326-8	4730-00-063-7919	9	22
81343	MS39326-12	4730-01-138-2669	2	5
96906	MS39326-26	4730-01-005-7253	20	2
96906	MS51009-3	2920-00-810-7083	14	3
96906	MS51017-23		17	17
96906	MS51086-1	2910-00-905-9792	1	1
96906	MS51091-4	5330-00-087-3612	1	2
96906	MS51849-64	5305-00-180-4966	2	9
96906	MS51849-74	5305-00-470-3321	9	4
96906	MS51849-74	5305-00-470-3321	16	3
96906	MS51849-97		23	19
96906	MS51849-97	5305-01-121-8473	27	12
96906	MS51849-99	5305-01-101-2011	23	11
96906	MS51861-15	5305-00-432-4173	22	11
96906	MS51968-5	5310-00-880-7746	19	10
96906	MS51968-20	5310-00-763-8905	27	9
96906	MS53013-1	2920-00-882-3401	15	5
96906	MS9068-111	5330-00-965-0719	25	19
96906	MS9068-211		25	25
96906	MS90725-33	5306-00-225-8498	5	25
96906	MS90725-69	5305-00-269-3219	12	3
96906	MS90725-68	5305-00-269-3218	12	5
96906	MS90725-69	5305-00-269-3219	13	1
96906	MS90725-38	5306-00-226-4831	15	4



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SECTION IV

CAGEC	PART NUMBER	STOCK NUMBER	FIG.	ITEM
96906	MS90728-41	5306-00-226-4834	3	2
82796	Q2477C	2920-00-596-9943	12	17
71400	SFE14	5920-00-280-4007	16	7
77260	SN1575		17	7
82796	10-001-818		12	11
82796	10-011-662		12	12
82796	10-011-679		12	13
82796	10-013-235		12	16
82796	10-102-498		12	14
19207	10947213-2	5305-00-405-1694	23	10
19207	10947213-2	5305-00-405-1694	24	1
19207	11630417	2940-00-832-6054	4	2
97403	13206E0141		9	11
97403	13206E0160		3	1
97403	13206E0165		3	5
97403	13206E0166		3	6
97403	13206E0167		3	7
97403	13206E0168	5365-00-867-8808	3	8
97403	13206E0171		3	14
97403	13206E0172		3	13
97403	13206E0173	4820-00-867-8829	3	12
97403	13206E0174	4820-00-867-8811	3	11
97403	13206E0177	5330-00-073-3038	3	17
97403	13206E0177	5330-00-073-3038	4	5
97403	13206E0184	5330-00-073-3053	17	25
97403	13206E0401	5330-00-756-1673	19	18
97403	13206E0487		17	22
97403	13206E0530		28	4
97403	13206E0531		28	12
97403	13206E0536	2805-00-073-3035	9	19
97403	13206E0537	5307-00-462-8659	28	11
97403	13206E0538	2805-00-124-0581	18	4
97403	13206E0539	2990-00-570-2935	18	11
97403	13206E0541	2930-00-760-5466	7	1
97403	13206E0544	5330-00-867-8817	24	6
97403	13206E0545		28	3
97493	13206E0547	5307-00-017-8326	28	5
97403	13206E0549	4710-00-868-0867	9	24
97403	13206E0550	2805-00-867-8819	9	8
97403	13206E0560	4710-00-927-3909	9	7
97403	13206E0571	2805-00-073-3032	27	7
97403	13206E0573	3120-00-073-3030	27	4
97403	13206E0574		27	3
97403	13206E0575	3020-00-017-8675	27	1
97403	13206E0580	2805-00-784-3686	27	8
97403	13206E0581	2990-00-017-8327	7	3
97403	13206E0582	5330-00-073-3033	23	18
97403	13206E0593		23	16
97403	13206E0596	2805-01-140-6714	9	6
97403	13206E0597	5340-00-225-2953	9	5
97403	13206E0598	3040-00-126-8225	23	6
97403	13206E0599		23	5
97403	13206E0600	2805-00-928-2244	23	2
97403	13206E0601		23	3
97403	13206E0602		23	4
97403	13206E0604	2805-00-921-6221	23	9
97403	13206E0605	2805-00-921-6222	23	8
97403	13206E0607		2	11
97403	13206E0611	2805-00-017-9092	27	16
97403	13206E0620	2805-00-867-8743	27	14

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SECTION IV

CAGEC	PART NUMBER	STOCK NUMBER	FIG.	ITEM
97403	13206E0626	3040-00-017-8674	27	10
97403	13206E0631	2805-00-017-8330	26	1
97403	13206E0632	5995-00-927-4210	22	12
97403	13206E0634	5330-00-570-3224	26	2
97403	13206E0640	2805-00-867-8752	26	3
97403	13206E0641	2805-00-570-3042	26	12
97403	13206E0642	5330-00-066-2494	18	5
97403	13206E0643		26	13
97403	13206E0650	2805-00-073-3017	26	4
97403	13206E0653	5306-00-073-3018	26	6
97403	13206E0660		25	10
97403	13206E0661	2805-00-913-9751	25	11
97403	13206E0662	2805-01-253-0351	25	20
97403	13206E0665	4730-00-789-0951	9	20
97403	13206E0667	2805-00-073-3024	25	24
97403	13206E0669	2805-00-922-7734	25	12
97403	13206E0670		25	21
97403	13206E0677		25	15
97403	13206E0678		25	16
97403	13206E0679	5360-00-926-1768	25	13
97403	13206E0680-1	2805-00-073-3026	25	23
97403	13206E0685	5330-00-073-3023	21	3
97403	13206E0686	2805-00-758-6646	21	2
97403	13206E0687	2805-00-191-0269	10	8
97403	13206E0700	2805-00-867-8757	25	3
97403	13206E0702	2805-00-922-6351	25	14
97403	13206E0707	2920-00-966-9126	22	9
97403	13206E0708	5310-00-017-8422	25	8
97403	13206E0711		24	5
97403	13206E0712	2940-00-486-8126	2	13
97403	13206E0715	5330-00-017-8923	9	18
97403	13206E0716	3020-00-868-0889	9	17
97403	13206E0717		9	16
97403	13206E0718		9	15
97403	13206E0719	2805-00-010-0191	5	14
97403	13206E0720		24	2
97403	13206E0721		24	15
97403	13206E0725	5307-00-105-5975	24	14
97403	13206E0726	2990-00-017-8924	9	12
97403	13206E0728	4730-00-921-6229	9	9
97403	13206E0731	2805-00-715-6549	2	12
97403	13206E0732	2910-00-890-9897	10	4
97403	13206E0733	5330-00-073-3042	24	17
97403	13206E0734		24	16
97403	13206E0740	5340-00-738-1100	22	10
97403	13206E0750	4330-00-789-0983	24	11
97403	13206E0754		24	12
97403	13206E0755	2805-00-865-6320	24	10
97403	13206E0756	5340-00-868-0865	24	9
97403	13206E0757	2805-00-867-8815	24	8
97403	13206E0758		24	7
97403	13206E0760	6680-00-073-3046	9	1
97403	13206E0770-1	4720-00-989-3283	8	2
97403	13206E0780	4710-00-570-2958	17	8
97403	13206E0792	3020-00-570-2904	17	26
97403	13206E0800	3040-00-073-3054	17	3
97403	13206E0801		17	6
97403	13206E0809	2910-00-999-3228	10	7
97403	13206E0810	3120-00-570-3203	17	4
97403	13206E0811		18	6

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SECTION IV

CAGEC	PART NUMBER	STOCK NUMBER	FIG.	ITEM
97403	13206E0813	2920-00-966-9169	16	2
97403	13206E0820	6685-00-179-8632	2	6
97403	13206E0835		5	3
97403	13206E0845	2805-00-010-0192	5	16
97403	13206E0848	5360-00-073-3057	5	15
97403	13206E0850	2805-00-103-9017	20	11
97403	13206E0851		20	14
97403	13206E0860	2805-00-763-5778	20	6
97403	13206E0863		20	3
97403	13206E0870	2805-00-103-5313	20	5
97403	13206E0895	2805-00-103-5308	5	18
97403	13206E0897	2805-00-010-0194	5	11
97403	13206E0898	2805-00-927-3911	5	20
97403	13206E0900	2920-00-999-6887	12	10
97403	13206E0900	2920-00-999-6887	13	9
97403	13206E0902	5310-00-893-9914	12	9
97403	13206E0902	5310-00-893-9914	13	8
97403	13206E0903	5340-00-912-3114	19	6
97403	13206E0904	5305-00-411-3778	17	1
97403	13206E0941	5325-00-455-4907	5	6
97403	13206E0964	5310-00-073-3048	18	9
97403	13206E0970	2805-00-893-9843	18	10
97403	13206E0981	3020-00-966-9127	22	5
97403	13206E0982	2805-00-103-5331	5	27
97403	13206E0990	2805-00-763-5776	6	2
97403	13206E1090	4710-00-963-5471	19	8
97403	13206E1151	5330-00-017-8927	20	4
97403	13206E1152	5330-00-073-3049	19	14
97403	13206E1170-1		19	13
97403	13206E1180	2805-00-867-8820	19	5
97403	13206E1181	5930-00-966-9167	8	1
97403	13206E1184		19	4
97403	13206E1194	2940-00-867-8830	2	4
97403	13206E1250	2940-00-876-2213	2	7
97403	13206E1253	2940-00-884-4691	2	8
97403	13206E1254	4720-00-906-8939	2	2
97403	13206E1356	5340-00-461-4269	5	8
97403	13206E1357	2805-00-890-9901	11	2
97403	13206E1363	2805-00-010-0188	5	26
97403	13206E1364		5	22
97403	13206E1365	2805-00-455-9187	5	24
97403	13206E1405		17	13
97403	13206E1409		17	14
97403	13206E1421	5310-00-480-6025	17	21
97403	13206E1473	5305-00-017-9085	17	11
97403	13206E1489	2805-00-073-3052	17	16
97403	13213E3266	5306-00-941-6479	6	1
97403	13213E3271	4720-00-542-4668	9	21
97403	13213E3279	5360-00-781-4292	19	7
97403	13213E3280		20	10
73287	13213E3281	5310-00-730-4425	10	3
97403	13213E3282		17	23
97403	13213E3284	2990-00-961-3692	22	1
97403	13213E3287	2805-00-110-3472	17	19
97403	13213E3288	2805-00-073-3052	17	12
97403	13213E3290	5930-00-890-9899	11	5
97403	13213E3292	2990-00-763-1292	11	3
97403	13213E3293	4730-00-867-8818	9	23
97403	13213E3294	5310-00-867-8802	25	2
97403	13213E3296	4730-00-278-0158	8	3

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SECTION IV

CAGEC	PART NUMBER	STOCK NUMBER	FIG.	ITEM
97403	13213E3296	4730-00-278-0158	17	9
97403	13213E3298		17	24
97403	13213E3300	3040-00-930-6244	25	6
97403	13213E3301	2805-00-851-6783	25	18
97403	13213E3302	3120-00-925-8007	25	5
97403	13213E3304	5325-00-245-8429	5	7
97403	13214E8196	2805-00-937-0943	26	
97403	13214E8200	2910-00-966-9134	19	
97403	13214E8207	2805-00-073-3020	26	
97403	13214E8208	2805-00-937-0944	25	
97403	13214E8209	2990-00-849-2096	17	
97403	13214E8212	5330-00-851-6785	28	
97403	13214E8213	2805-00-967-3309	25	
97403	13214E8214	2805-00-967-1473	25	
97403	13214E8219	2920-00-856-7095	12	
97403	13214E9578-1	5310-00-917-6624	25	4
97403	13214E9578-1	5310-00-917-6624	26	5
97403	13214E9579		26	7
97403	13215E1716		12	7
97403	13215E3817		5	4
97403	13215E3819	2805-01-160-1264	5	1
97403	13215E3823	2805-00-221-8649	23	
97403	13215E4158	4730-01-140-6706	8	6
97403	13215E4160		23	13
97403	13215E4165	9515-01-222-1429	25	22
97403	13215E4166	5330-00-251-2117	12	6
97403	13215E4167		3	4
97403	13215E4168		3	
97403	13216E3827		23	17
97403	13216E3828	2805-00-873-4028	25	7
97403	13216E3830	2805-00-927-3910	28	2
97403	13216E3831		23	15
97403	13218E0122-12	4730-00-289-1930	20	12
97403	13218E0135-12	4730-00-289-1930	19	9
19207	13218E0500-53		5	12
97403	13218E0500-53		22	6
97403	13218E0500-67		27	2
97403	13218E0504-67	5305-00-363-3976	5	2
97403	13218E0504-53	5305-00-042-3544	5	17
97403	13218E0504-13	5305-00-974-3781	5	21
97403	13218E0504-67	5305-00-363-3976	10	6
97403	13218E0504-32	5305-00-363-3984	12	15
97403	13218E0504-68	5305-00-017-9085	19	16
97403	13218E0504-58	5305-01-303-5622	21	1
97403	13218E0504-33	5305-01-320-2002	23	7
97403	13218E0504-67	5305-00-363-3976	24	3
97403	13218E0504-95	5305-00-411-8109	24	4
97403	13218E0504-79	5305-01-303-5621	28	1
97403	13218E0527-64		18	3
97403	13222E6728-1		26	14
97403	13222E6729-1		26	15
97403	13222E6730-1		26	16
97403	13226E6169	2910-01-181-8315	19	
97403	13226E6170		19	17
97403	13226E6190		4	1
97403	13226E6191	2940-01-264-2105	4	3
97403	13226E6193	4730-01-198-8624	4	4
97403	13227E9889		13	4
97403	13227E9890-2	2920-01-259-5933	14	
97403	13227E9890-1	2920-01-259-5697	14	

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SECTION IV

CAGEC	PART NUMBER	STOCK NUMBER	FIG.	ITEM
97403	13227E9891-1	2920-01-266-0812	14	1
97403	13227E9891-2	2920-01-286-1908	14	2
97403	13227E9892		13	5
97403	13229E9195		2	10
24617	137405	4730-00-540-2612	17	10
19207	187263	5306-00-018-7263	20	1
02697	2-041-N674-70		13	6
19207	228323	5305-00-022-8323	5	19
79470	234X5	4730-00-288-9953	8	5
7V942	2A042-0006		15	6
7V942	2A042-0016		15	7
7V942	2A042-0013		15	8
7V942	2A042-0015		15	9
7V942	2A042-0014		15	10
7V942	2A042-0012		15	11
7V942	2A042-0008		15	12
7V942	2A042-0005		15	13
7V942	2A042-0011		15	14
7V942	2A042-0010		15	15
7V942	2A042-0009		15	16
7V942	2A042-0007		15	17
7V942	2A042-0004		15	18
7V942	2A042-0002		15	19
7V942	2A042-0019		15	20
7V942	2A042-0017		15	21
7V942	2A042-0018		15	22
7V942	2A042-0003		15	23
43999	2W1-24-24-92	5310-00-209-3671	25	9
19207	424218	5305-00-042-4218	7	2
21450	425828	5306-00-042-5828	2	3
88408	56842		17	7
97403	9786E121-1		22	2
97403	9786E50-1	5310-00-017-8919	18	8

## SECTION IV

## CROSS-REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX				
FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
BULK		4720-00-618-9124	81349	MIL-H-6000
1	1	2910-00-905-9792	96906	MS51086-1
1	2	5330-00-087-3612	96906	MS51091-4
1	3	4730-00-186-7797	88044	AN911-1
2	1	4730-00-909-8627	96906	MS35842-13
2	2	4720-00-906-8939	97403	13206E1254
2	3	5306-00-042-5828	21450	425828
2	4	2940-00-867-8830	97403	13206E1194
2	5	4730-01-138-2669	81343	MS39326-12
2	6	6685-00-179-8632	97403	13206E0820
2	7	2940-00-876-2213	97403	13206E1250
2	8	2940-00-884-4691	97403	13206E1253
2	9	5305-00-180-4966	96906	MS51849-64
2	10		97403	13229E9195
2	11		97403	13206E0607
2	12	2805-00-715-6549	97403	13206E0731
2	13	2940-00-486-8126	97403	13206E0712
3	1		97403	13206E0160
3	2	5306-00-226-4834	96906	MS90728-41
3	3	5330-00-752-7750	96906	MS35769-4
3	4		97403	13215E4167
3	5		97403	13206E0165
3	6		97403	13206E0166
3	7		97403	13206E0167
3	8	5365-00-867-8808	97403	13206E0168
3	9	2940-00-580-6302	96906	MS35802-1
3	10		96906	MS35802
3	11	4820-00-867-8811	97403	13206E0174
3	12	4820-00-867-8829	97403	13206E0173
3	13		97403	13206E0172
3	14		97403	13206E0171
3	15	5310-00-298-2747	96906	MS20500-428
3	16	5310-00-809-4058	96906	MS27183-10
3	17	5330-00-073-3038	97403	13206E0177
3	18	5307-01-010-5866	96906	MS17300-111
3			97403	13215E4168
4	1		97403	13226E6190
4	2	2940-00-832-6054	19207	11630417
4	2	2940-00-586-4792	12658	B233
4	3	2940-01-264-2105	97403	13226E6191
4	4	4730-01-198-8624	97403	13226E6193
4	5	5330-00-073-3038	97403	13206E0177
4	6	5310-00-982-4988	96906	MS21045C4
4	7	5310-00-809-4058	96906	MS27183-10
4	8	5307-01-010-5866	96906	MS17300-111
5	1	2805-01-160-1264	97403	13215E3819
5	2	5305-00-363-3976	97403	13218E0504-67
5	3		97403	13206E0835
5	4		97403	13215E3817
5	5	5325-00-174-9038	96906	MS35489-20
5	6	5325-00-455-4907	97403	13206E0941
5	7	5325-00-245-8429	97403	13213E3304
5	8	5340-00-461-4269	97403	13206E1356
5	9	5310-00-582-5965	96906	MS35338-44

## SECTION IV

FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
5	10	5310-00-167-0835	88044	AN960-416L
5	11	2805-00-010-0194	97403	13206E0897
5	12		19207	13218E0500-53
5	13	5310-00-014-5850	96906	MS27183-42
5	14	2805-00-010-0191	97403	13206E0719
5	15	5360-00-073-3057	97403	13206E0848
5	16	2805-00-010-0192	97403	13206E0845
5	17	5305-00-042-3544	97403	13218E0504-53
5	18	2805-00-103-5308	97403	13206E0895
5	19	5305-00-022-8323	19207	228323
5	20	2805-00-927-3911	97403	13206E0898
5	21	5305-00-974-3781	97403	13218E0504-13
5	22		97403	13206E1364
5	23	5365-00-803-7313	96906	MS16624-3031
5	24	2805-00-455-9187	97403	13206E1365
5	25	5306-00-225-8498	96906	MS90725-33
5	26	2805-00-010-0188	97403	13206E1363
5	27	2805-00-103-5331	97403	13206E0982
6	1	5306-00-941-6479	97403	13213E3266
6	2	2805-00-763-5776	97403	13206E0990
7	1	2930-00-760-5466	97403	13206E0541
7	2	5305-00-042-4218	19207	424218
7	3	2990-00-017-8327	97403	13206E0581
8	1	5930-00-966-9167	97403	13206E1181
8	2	4720-00-989-3283	97403	13206E0770-1
8	3	4730-00-278-0158	97403	13213E3296
8	4	6620-00-814-4770	96906	MS24538-1
8	5	4730-00-288-9953	79470	234X5
8	6	4730-01-140-6706	97403	13215E4158
9	1	6680-00-073-3046	97403	13206E0760
9	2	5310-00-934-9758	96906	MS35649-202
9	3	5310-00-596-7691	96906	MS35335-32
9	4	5305-00-470-3321	96906	MS51849-74
9	5	5340-00-225-2953	97403	13206E0597
9	6	2805-01-140-6714	97403	13206E0596
9	7	4710-00-927-3909	97403	13206E0560
9	8	2805-00-867-8819	97403	13206E0500
9	9	4730-00-921-6229	97403	13206E0728
9	10	5310-00-223-3318	88044	AN901-5C
9	11		97403	13206E0141
9	12	2990-00-017-8924	97403	13206E0726
9	13	5310-00-043-0520	96906	MS35650-3252
9	14	5310-00-582-5965	96906	MS35338-44
9	15		97403	13206E0718
9	16		97403	13206E0717
9	17	3020-00-868-0889	97403	13206E0716
9	18	5330-00-017-8923	97403	13206E0715
9	19	2805-00-073-3035	97403	13206E0536
9	20	4730-00-789-0951	97403	13206E0665
9	21	4720-00-542-4668	97403	13213E3271
9	22	4730-00-063-7919	96906	MS39326-8
9	23	4730-00-867-8818	97403	13213E3293
9	24	4710-00-868-0867	97403	13206E0549
9	25	5310-00-975-2075	96906	MS35691-21
10	1	5315-00-839-2325	96906	MS24665-132
10	2	5310-00-045-5207	96906	MS15795-908
10	3	5310-00-730-4425	73287	13213E3281
10	4	2910-00-890-9897	97403	13206E0732
10	5	5310-00-934-9751	96906	MS35650-302
10	6	5305-00-363-3976	97403	13218E0504-67

## SECTION IV

FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
10	7	2910-00-999-3228	97403	13206E0809
10	8	2805-00-191-0269	97403	13206E0687
11	1	4730-00-908-6292	96906	MS35842-14
11	2	2805-00-890-9901	97403	13206E1357
11	3	2990-00-763-1292	97403	13213E3292
11	4		96906	MS20604B4T2
11	5	5930-00-890-9899	97403	13213E3290
12	1	5310-00-829-9981	96906	MS35649-2312
12	2	5310-00-637-9541	96906	MS35338-46
12	3	5305-00-269-3219	96906	MS90725-69
12	4	5310-00-087-7493	96906	MS27183-13
12	5	5305-00-269-3218	96906	MS90725-68
12	6	5330-00-251-2117	97403	13215E4166
12	7		97403	13215E1716
12	8	5365-00-803-7305	96906	MS16624-1062
12	9	5310-00-893-9914	97403	13206E0902
12	10	2920-00-999-6887	97403	13206E0900
12	11		82796	10-001-818
12	12		82796	10-011-662
12	13		82796	10-011-679
12	14		82796	10-102-498
12	15	5305-00-363-3984	97403	13218E0504-32
12	16		82796	10-013-235
12	17	2920-00-596-9943	82796	Q2477C
12		2920-00-856-7095	97403	13214E8219
13	1	5305-00-269-3219	96906	MS90725-69
13	2	5310-00-087-7493	96906	MS27183-13
13	3	5310-00-637-9541	96906	MS35338-46
13	4		97403	13227E9889
13	5		97403	13227E9892
13	6		02697	2-041-N674-70
13	7	5365-00-803-7305	96906	MS16624-1062
13	8	5310-00-893-9914	97403	13206E0902
13	9	2920-00-999-6887	97403	13206E0900
14	1	2920-01-266-0812	97403	13227E9891-1
14	2	2920-01-286-1908	97403	13227E9891-2
14	3	2920-00-810-7083	96906	MS51009-3
14	4		96906	MS35910-1
14		2920-01-259-5697	97403	13227E9890-1
14		2920-01-259-5933	97403	13227E9890-2
15	1	5310-00-829-9981	96906	MS35649-2312
15	2	5310-00-407-9566	96906	MS35338-45
15	3	5310-00-080-6004	96906	MS35338-14
15	4	5306-00-226-4831	96906	MS90725-38
15	5	2920-00-882-3401	96906	MS53013-1
15	6		7V942	2A042-0006
15	7		7V942	2A042-0016
15	8		7V942	2A042-0013
15	9		7V942	2A042-0015
15	10		7V942	2A042-0014
15	11		7V942	2A042-0012
15	12		7V942	2A042-0008
15	13		7V942	2A042-0005
15	14		7V942	2A042-0011
15	15		7V942	2A042-0010
15	16		7V942	2A042-0009
15	17		7V942	2A042-0007
15	18		7V942	2A042-0004
15	19		7V942	2A042-0002
15	20		7V942	2A042-0019



## SECTION IV

FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
15	21		7V942	2A042-0017
15	22		7V942	2A042-0018
15	23		7V942	2A042-0003
16	1	5305-00-988-1725	96906	MS35206-281
16	2	2920-00-966-9169	97403	13206E0813
16	3	5305-00-470-3321	96906	MS51849-74
16	4	5310-00-543-5933	96906	MS35333-73
16	5	5310-00-880-5978	96906	MS15795-807
16	6	2805-00-890-9896	00818	F7288
16	7	5920-00-280-4007	71400	SFE14
17	1	5305-00-411-3778	97403	13206E0904
17	2	5310-00-576-5752	96906	MS35333-39
17	3	3040-00-073-3054	97403	13206E0800
17	4	3120-00-570-3203	97403	13206E0810
17	5	5310-00-934-9751	96906	MS35650-302
17	6		97403	13206E0801
17	7		88408	56842
17	7	5360-00-988-9433	74465	D110-48A
17	7		77260	SN1575
17	8	4710-00-570-2958	97403	13206E0780
17	9	4730-00-278-0158	97403	13213E3296
17	10	4730-00-540-2612	24617	137405
17	11	5305-00-017-9085	97403	13206E1473
17	12	2805-00-073-3052	97403	13213E3288
17	13		97403	13206E1405
17	14		97403	13206E1409
17	15	5310-00-045-5216	96906	MS15795-916
17	16	2805-00-073-3052	97403	13206E1489
17	17		96906	MS51017-23
17	18	5310-00-087-0057	96906	MS27183-2
17	19	2805-00-110-3472	97403	13213E3287
17	20	5320-00-051-8609	96906	MS20613-6P5
17	21	5310-00-480-6025	97403	13206E1421
17	22		97403	13206E0487
17	23		97403	13213E3282
17	24		97403	13213E3298
17	25	5330-00-073-3053	97403	13206E0184
17	26	3020-00-570-2904	97403	13206E0792
17	27	2805-00-867-8826	96906	MS24585-494
17		2990-00-849-2096	97403	13214E8209
18	1	5310-00-829-9981	96906	MS35649-2312
18	2	5310-00-637-9541	96906	MS35338-46
18	3		97403	13218E0527-64
18	4	2805-00-124-0581	97403	13206E0538
18	5	5330-00-066-2494	97403	13206E0642
18	6		97403	13206E0811
18	7	4730-00-908-3193	96906	MS35842-12
18	8	5310-00-017-8919	97403	9786E50-1
18	9	5310-00-073-3048	97403	13206E0964
18	10	2805-00-893-9843	97403	13206E0970
18	11	2990-00-570-2935	97403	13206E0539
19	1	5310-00-934-9758	96906	MS35649-202
19	2	5310-00-596-7691	96906	MS35335-32
19	3	5305-00-984-6208	96906	MS35206-261
19	4		97403	13206E1184
19	5	2805-00-867-8820	97403	13206E1180
19	6	5340-00-912-3114	97403	13206E0903
19	7	5360-00-781-4292	97403	13213E3279
19	8	4710-00-963-5471	97403	13206E1090
19	9	4730-00-289-1930	97403	13218E0135-12

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SECTION IV

FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
19	10	5310-00-880-7746	96906	MS51968-5
19	11	5310-00-514-6674	96906	MS35335-34
19	12	5310-00-081-4219	96906	MS27183-12
19	13		97403	13206E1170-1
19	14	5330-00-073-3049	97403	13206E1152
19	15	4730-00-189-3017	96906	MS20823-3B
19	16	5305-00-017-9085	97403	13218E0504-68
19	17		97403	13226E6170
19	18	5330-00-756-1673	97403	13206E0401
19		2910-00-966-9134	97403	13214E8200
19		2910-01-181-8315	97403	13226E6169
20	1	5306-00-018-7263	19207	187263
20	2	4730-01-005-7253	96906	MS39326-26
20	3		97403	13206E0863
20	4	5330-00-017-8927	97403	13206E1151
20	5	2805-00-103-5313	97403	13206E0870
20	6	2805-00-763-5778	97403	13206E0860
20	7	5310-00-971-7989	96906	MS35691-5
20	8	5310-00-582-5965	96906	MS35338-44
20	9	5310-00-167-0835	88044	AN960-416L
20	10		97403	13213E3280
20	11	2805-00-103-9017	97403	13206E0850
20	12	4730-00-289-1930	97403	13218E0122-12
20	13		96906	MS17301-011
20	14		97403	13206E0851
21	1	5305-01-303-5622	97403	13218E0504-58
21	2	2805-00-758-6646	97403	13206E0686
21	3	5330-00-073-3023	97403	13206E0685
22	1	2990-00-961-3692	97403	13213E3284
22	2		97403	9786E121-1
22	3	5310-00-763-8905	96906	MS35690-19
22	4	5310-00-823-8803	96906	MS27183-21
22	5	3020-00-966-9127	97403	13206E0981
22	6		97403	13218E0500-53
22		5340-00-990-7610	96906	MS21333-66
22	8		96906	MS35206-339
22	9	2920-00-966-9126	97403	13206E0707
22	10	5340-00-738-1100	97403	13206E0740
22	11	5305-00-432-4173	96906	MS51861-15
22	12	5995-00-927-4210	97403	13206E0632
22	13	5325-00-263-6632	96906	MS35489-6
23	1	5340-00-837-9408	96906	MS25178-14
23	2	2805-00-928-2244	97403	13206E0600
23	3		97403	13206E0601
23	4		97403	13206E0602
23	5		97403	13206E0599
23	6	3040-00-126-8225	97403	13206E0598
23	7	5305-01-320-2002	97403	13218E0504-33
23	8	2805-00-921-6222	97403	13206E0605
23	9	2805-00-921-6221	97403	13206E0604
23	10	5305-00-405-1694	19207	10947213-2
23	11	5305-01-101-2011	96906	MS51849-99
23	12	5310-00-209-0786	96906	MS35335-33
23	13		97403	13215E4160
23	14	5305-00-253-5622	96906	MS21318-41
23	15		97403	13216E3831
23	16		97403	13206E0593
23	17		97403	13216E3827
23	18	5330-00-073-3033	97403	13206E0582
23	19		96906	MS51849-97

## SECTION IV

FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
23	20	5310-00-582-5965	96906	MS35338-44
23		2805-00-221-8649	97403	13215E3823
24	1	5305-00-405-1694	19207	10947213-2
24	2		97403	13206E0720
24	3	5305-00-363-3976	97403	13218E0504-67
24	4	5305-00-411-8109	97403	13218E0504-95
24	5		97403	13206E0711
24	6	5330-00-867-8817	97403	13206E0544
24	7		97403	13206E0758
24	8	2805-00-867-8815	97403	13206E0757
24	9	5340-00-868-0865	97403	13206E0756
24	10	2805-00-865-6320	97403	13206E0755
24	11	4330-00-789-0983	97403	13206E0750
24	12		97403	13206E0754
24	13	5365-00-898-2081	96906	MS35844-83
24	14	5307-00-105-5975	97403	13206E0725
24	15		97403	13206E0721
24	16		97403	13206E0734
24	17	5330-00-073-3042	97403	13206E0733
25	1	5365-00-803-7305	96906	MS16624-1062
25	2	5310-00-867-8802	97403	13213E3294
25	3	2805-00-867-8757	97403	13206E0700
25	4	5310-00-917-6624	97403	13214E9578-1
25	5	3120-00-925-8007	97403	13213E3302
25	6	3040-00-930-6244	97403	13213E3300
25	7	2805-00-873-4028	97403	13216E3828
25	8	5310-00-017-8422	97403	13206E0708
25	9	5310-00-209-3671	43999	2W1-24-24-92
25	10		97403	13206E0660
25	11	2805-00-913-9751	97403	13206E0661
25	12	2805-00-922-7734	97403	13206E0669
25	13	5360-00-926-1768	97403	13206E0679
25	14	2805-00-922-6351	97403	13206E0702
25	15		97403	13206E0677
25	16		97403	13206E0678
25	17	5307-00-053-1053	96906	MS17300-061
25	18	2805-00-851-6783	97403	13213E3301
25	19	5330-00-965-0719	96906	MS9068-111
25	20	2805-01-253-0351	97403	13206E0662
25	21		97403	13206E0670
25	22	9515-01-222-1429	97403	13215E4165
25	23	2805-00-073-3026	97403	13206E0680-1
25	24	2805-00-073-3024	97403	13206E0667
25	25		96906	MS9068-211
25		2805-00-937-0944	97403	13214E8208
25		2805-00-967-3309	97403	13214E8213
25		2805-00-967-1473	97403	13214E8214
26	1	2805-00-017-8330	97403	13206E0631
26	2	5330-00-570-3224	97403	13206E0634
26	3	2805-00-867-8752	97403	13206E0640
26	4	2805-00-073-3017	97403	13206E0650
26	5	5310-00-917-6624	97403	13214E9578-1
26	6	5306-00-073-3018	97403	13206E0653
26	7		97403	13214E9579
26	8	3120-00-867-8754	96906	MS13836-1
26	9		96906	MS13963-1
26	10	5365-00-374-9707	96906	MS13962-1
26	11	2805-00-554-9818	66289	DE72
26	12	2805-00-570-3042	97403	13206E0641
26	13		97403	13206E0643

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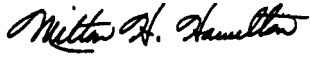
SECTION IV

FIG.	ITEM	STOCK NUMBER	CAGEC	PART NUMBER
26	14		97403	13222E6728-1
26	15		97403	13222E6729-1
26	16		97403	13222E6730-1
26		2805-00-937-0943	97403	13214E8196
26		2805-00-073-3020	97403	13214E8207
27	1	3020-00-017-8675	97403	13206E0575
27	2		97403	13218E0500-67
27	3		97403	13206E0574
27	4	3120-00-073-3030	97403	13206E0573
27	5	5315-00-616-5514	96906	MS35756-6
27	6	5315-00-616-5515	96906	MS35756-5
27	7	2805-00-073-3032	97403	13206E0571
27	8	2805-00-784-3686	97403	13206E0580
27	9	5310-00-763-8905	96906	MS51968-20
27	10	3040-00-017-8674	97403	13206E0626
27	11	5315-00-043-1787	96906	MS35756-34
27	12	5305-01-121-8473	96906	MS51849-97
27	13	5310-00-582-5965	96906	MS35338-44
27	14	2805-00-867-8743	97403	13206E0620
27	15	3120-00-867-8754	96906	MS13836-1
27	16	2805-00-017-9092	97403	13206E0611
28	1	5305-01-303-5621	97403	13218E0504-79
28	2	2805-00-927-3910	97403	13216E3830
28	3		97403	13206E0545
28	4		97403	13206E0530
28	5	5307-00-017-8326	97493	13206E0547
28	6	4730-00-277-6352	96906	MS27769-1
28	7		96906	MS17300-036
28	8	4730-00-278-3462	96906	MS27769-2
28	9		96906	MS16555-347
28	10	4730-00-278-2965	96906	MS27769-3
28	11	5307-00-462-8659	97403	13206E0537
28	12		97403	13206E0531
28		5330-00-851-6785	97403	13214E8212



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Key West, FL 33040

DATE SENT  
10 Jun 79

PUBLICATION NUMBER  
TM 9-1430-550-34-1

PUBLICATION DATE  
7 Sep 72 .

PUBLICATION TITLE Unit of Radar Set  
AN/MPQ-50 Tested at the HFC

BE EXACT PIN-POINT WHERE IT IS

PAGE NO	PARA- GRAPH	FIGURE NO	TABLE NO
9-19		9-5	
21-2	step 1C	21-2	

SAMPLE

IN THIS SPACE TELL WHAT IS WRONG  
AND WHAT SHOULD BE DONE ABOUT IT:

"B" Ready Relay K11 is shown with two #9 contacts. That contact which is wired to pin 8 of relay K16 should be changed to contact #10.

Reads: Multimeter B indicates 600 K ohms to 9000 K ohms.

Change to read: Multimeter B indicates 600 K ohms minimum.

Reason: Circuit being checked could measure infinity. Multimeter can read above 9000 K ohms and still be correct.

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER

SP4 J.T. Brown, Jr.

SIGN HERE

SP4 James Brown, Jr.

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2 JUL 79

REPLACES DA FORM 2028-2 1 APR 78 WHICH  
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ENGINE, GASOLINE, 10HP  
MILITARY STANDARD MODELS

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MILITARY STANDARD MODELS

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PAGE  
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GRAPH

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ENGINE, GASOLINE, 10 HP  
MILITARY STANDARD MODELS

BE EXACT. PIN-POINT WHERE IT IS

PAGE  
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IN THIS SPACE TELL WHAT IS WRONG  
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PREVIOUS EDITIONS  
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1 Nov 80

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DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

COMMANDER  
U.S. ARMY AVIATION AND TROOP COMMAND  
ATTN: AMSAT-I-MTS  
4300 GOODFELLOW BOULEVARD  
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TEAR ALONG PERFORATED LINE

# 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
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