

ARMY TECHNICAL MANUAL                   \*TM 9-2805-262-24P  
NAVY PUBLICATION                        NAVFAC P-8-613E-24P  
AIR FORCE TECHNICAL ORDER               TO 38G2-90-14  
MARINE CORPS TECHNICAL ORDER         SL-4-03522C

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TECHNICAL MANUAL

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

ENGINE, GASOLINE, 6 HP  
MILITARY STANDARD MODELS

DOD MODEL	NSN
4 A 0 3 2 - 1	2 8 0 5 - 0 0 - 7 7 6 - 0 4 8 3
4 A 0 3 2 - 2	2 8 0 5 - 0 0 - 0 6 8 - 7 5 1 2
4 A 0 3 2 - 3	2 8 0 5 - 0 1 - 1 3 9 - 0 5 9 6
4 A 0 3 2 - 4	2 8 0 5 - 0 1 - 2 7 6 - 5 9 4 6

Approved for public release; distribution is unlimited.

\*This manual supersedes TM 5-2805-203-24P/NAVFAC P-813E-24P/TO 38G2-90-14/SL-4-03522B,  
dated 11 April 1977, and all changes.

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HEADQUARTERS, DEPARTMENTS OF THE ARMY, NAVY AND  
AIR FORCE AND HEADQUARTERS U.S. MARINE CORPS  
17 SEPTEMBER 1992



TECHNICAL MANUAL

HEADQUARTERS,  
 DEPARTMENTS OF THE ARMY, NAVY AND  
 AIR FORCE AND HEADQUARTERS, U.S. MARINE CORPS  
 WASHINGTON, D.C., 17 SEPTEMBER 1992

No. 9-2805-262-24P

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

ENGINE, GASOLINE, 6 HP, MILITARY STANDARD

DOD MODEL

N S N

4A032-1	2805-00-776-0483
4A032-2	2805-00-068-7512
4A032-3	2805-01-139-0596
4A032-4	2805-01-276-5946

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SECTION I  
INTRODUCTION

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1. **Scope**

This joint Army and Air Force manual lists repair parts and special tools required for the performance of unit, direct support, general support and depot maintenance of the MIL-STD engine. The following paragraphs are keyed to applicable users. All users should read paragraph 4, Special Information, prior to using this manual.

2. **General**

This repair parts and Special Tools List is divided into the following sections:

a. *(ALL) Repair Parts-Section II.* A list of repair parts authorized for the performance of maintenance at the organizational, direct support, general support and depot level in figure and item number sequence.

b. *(ALL) Special Tools, Test and Support Equipment-Section III.* A list of special tools, test and support equipment authorized for the performance of maintenance at the organizational, intermediate (field), (direct support and general support) and depot level. (Not Applicable).

c. *National Stock Number and Reference Number Index-Section IV.* A list of National Stock Numbers in numerical sequence, followed by a list of reference numbers appearing in all the listings, in alphanumeric sequence, cross-referenced to the illustration figure number and item number.

d. *Reference Designator Index-Section V.* The reference Designator Column includes all assigned reference designators arranged first in alphabetical order, second in numeric order. Opposite each symbol is listed the figure and item number of the part in Section II and the reference number (Not Applicable).

3. **Explanation of Columns**

The following provides an explanation of columns in the tabular lists in Sections II and III.

a. *(ALL) Illustrations (Column 1).* this column is divided as follows.

(7) *Figure Number.* Indicates the figure number of the illustration on which the item is shown.

(2) *Item Number.* Indicates the number used to identify the item on the illustration.

b. *(ALL) Source, Maintenance, and Recoverability Codes (SMR).* Column 2.

(1) Uniform Source Codes applicable to all Military Services. GENERAL: Source Codes are assigned to support items to indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

<i>Code</i>	<i>Definition</i>
PA	Item procured and stocked for anticipated or known usage.
PB	Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative on nature.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional issues or outfittings. Not subject to automatic replenishment.
PE	Support equipment procured and stocked for initial issue or outfittings to specified maintenance repair activities.

<i>Code</i>	<i>Definition</i>
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
PG	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which because of probable discontinuance or shutdown of production facilities would prove uneconomical to reproduce at a later time.
KD	An item of depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provided items required at the time of overhaul or repair.
KF	An item of maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or intermediate levels of maintenance.
KB	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated at unit level,
MF	Item to be manufactured or fabricated at intermediate maintenance levels. Air Force – Intermediate (*) Army - General Support (*) Marine Corps – 4th Echelon Navy – Ashore
MG	Item to be manufactured or fabricated at both afloat and ashore intermediate maintenance levels – Navy use only.
MD	Item to be manufactured or fabricated at depot maintenance level.
AO	Item to be assembled at organization level.
<b>*NOTE</b>	
For USAF and USA Safeguard Program, only Code “F” will be used to denote intermediate maintenance. On joint programs, use of either code F or H by the joining service will denote intermediate maintenance to USAF and USA Safeguard Program.	
AF	Item to be assembled at intermediate maintenance levels, Air Force – Intermediate (*) Army - Direct Support (*) Marine Corps – 3rd Echelon Navy – Afloat
AH	Item to be assembled at intermediate maintenance levels. Air Force – Intermediate(*) Army – General Support (*) Marine Corps - 4th Echelon Navy - Ashore
AG	Item to be assembled at both afloat and ashore intermediate maintenance level - Navy use only.
AD	Item to be assembled at depot maintenance levels.
XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.

<i>Code</i>	<i>Definition</i>
X B	Item is not procured or stocked, If not available through salvage, requisition.
X C	Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.
X D	A support item that is not stocked. When required, item will be procured through normal supply channels.

\*NOTE

For USAF and the USA Safeguard Program, only Code "F" will be used to denote intermediate maintenance. On joint programs, use of either code F or H by the joining service will denote intermediate maintenance to USAF and USA Safeguard Program.

(2) Uniform Maintenance Codes applicable to all Military Services: GENERAL: Maintenance Codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The Maintenance Codes are in the third and fourth position of the Uniform SMR Code Format.

(a) USE (THIRD POSITION): The Maintenance Code entered in the third position indicates the lowest level maintenance level authorized to remove, replace, and use the support item. The Maintenance Code entered in the third position indicates one of the following levels of maintenance.

<i>Code</i>	<i>Application/Explanation</i>
O	Support item is removed, replaced, used at the unit level maintenance.
F	Support item is removed, replaced, used at the following intermediate levels. USAF – Intermediate (*) USA – Direct Support (*) USN – Afloat USMC – Third Echelon
G	Support item is removed, replaced, used at both afloat and ashore intermediate levels: Navy only.

\*NOTE

For USAF program and the USA Safeguard Program. Code F will be used to denote intermediate maintenance. On joint programs, use of either Code For H by the joining Service will denote intermediate maintenance to USF and the USA Safeguard Program.

H	Support item is removed, replaced, used at the following intermediate levels: USAF - Intermediate (*) USA – General Support (*) USN – Ashore (only) USMC – Fourth Echelon
D	Support items that are removed, replaced, used at Depot only. USAF - Depot. Mobile Depot and Specialized Repair Activity. USA - Depot. Mobile Depot and Specialized Repair Activity. USN - Aviation Rework. Avionics and Ordinance Facilities and Shipyards, USMC - Depot.

(b) REPAIR (FOURTH POSITION): The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions).

<i>Code</i>	<i>Application/Explanation</i>
O	The lowest maintenance level capable of complete repair of the support item is the unit level.
F	The lowest maintenance level capable of complete repair of the support item is the following level: USAF - Intermediate (*) USA - General Support (*) USN - Ashore (only) USMC - Fourth Echelon
H	The lowest maintenance level capable of complete repair of the support item is the following intermediate level: USAF - Intermediate (*) USA - General Support (*) USN - Ashore (only) USMC - Fourth Echelon

**\*NOTE**

For USAF program and the USA Safeguard Program. Code F will be used to denote intermediate maintenance. On joint programs, use of either Code F or H by the joining Service will denote intermediate maintenance to USAF and the USA Safeguard Program.

- G Both afloat and shore intermediate levels are capable of complete repair of support item: Navy only.
- D The lowest maintenance level capable of complete repair of the support item is the depot level.  
USAF - Depot. Mobile Depot, and Specialized Repair Activity.  
USA - Depot. Mobile Depot, and Specialized Repair Activity.  
USN - Aviation Rework. Avionics and Ordnance Facilities, Shipyards.  
USMC - Depot.
- I Repair restricted to designated Specialized Repair Activity.
- Z Nonreparable. No repair is authorized.
- B No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

(3) Uniform Recoverability Codes applicable to all Military Services: GENERAL: Recoverability Codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the uniform SMR Code Format as follows:



*Recoverability*

<i>Codes</i>	<i>Definition</i>
Z	Nonreparable item. When unserviceable, condemn and dispose at the level indicated in column 3.
O	Reparable item. When uneconomically repairable, condemn and dispose at unit level.
F	Reparable item. When uneconomically repairable, condemn and dispose at the following intermediate levels:  USAF - Intermediate (*) USA - Direct Support (*) USN - Afloat USMC - Third Echelon
H	Reparable item. When uneconomically repairable, condemn and dispose at the following levels:  USAF - Intermediate (*) USA - General Support (*) USN - Ashore USMC - Fourth Echelon

**\*NOTE**

For USAF programs and the USA Safeguard Program, Code F will be used to denote intermediate maintenance. On joint programs, use of either Code F or H by the joining Service will denote intermediate level of USAF and the USA Safeguard Program.

- D      Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
- L      Reparable item. Repair, condemnation and disposal not authorized below depot/Specialized Repair Activity level.
- A      Item requires special handling or condemnation procedure because of specific reasons (i.e., precious metal content, high-dollar value, critical material or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. (USMC) Special Stockage Indicator Code and Replacement Factor (Column 3).

(1) *Special Stockage Indicator Code*. This column reflects the condition under which certain maintenance parts, (parts assigned NSN'S and coded in the "P" series source code of the SMR code), are stocked. The codes are explained as follows:

No

Code:      Indicates that the part may or may not be authorized in initial allowances to using or supporting organizations. The manner of determining initial allowances is explained in paragraph (2) below.

- I      Applied to maintenance parts for which predicted consumption would not warrant inclusion in Mount-Out, for which quantity of one (1) is authorized as insurance for Mount-Out using a 360 day criteria. This criteria is based on the total density of equipments employed by the DIV/WINGTEAM. Mount-Out allowances, so authorized, will be stocked by the FSR or the MWSG in the case of Marine Wing peculiar equipment, as applicable.

- D Applied to maintenance parts that are not considered critical or essential to be on hand and are, therefore, not authorized in initial allowances; however, these items are stocked within the Supply System and may be requisitioned based upon usage.
- T Indicates that the part is authorized in garrison operating allowances in order to comply with state and local laws; however, the part is not authorized in Mount-Out since it is not combat essential.

(2) *Replacement Factor.* This column reflects the replacement factor assigned to each nationally stock numbered maintenance repair part. This factor is assigned to the repair part on its first appearance in the publication. The replacement factor, expressed as a decimal, indicates the average rate at which the type of item so coded has been used by Marine Corps field units or the rate at which design engineers anticipate the item will fail, wear out, or otherwise require replacement. All computations are based on a replacement period of one year. Therefore a replacement factor of 0.08, applied to an item in this stock list, indicates that eight out of every one hundred of such items used in the end item of equipment to which this publication pertains, is predicted to need replacement in one year. Likewise, 0.004 reflects that four out of every thousand in use are predicted to require replacement in one year, while 2.0 shows that every one in use is predicted to be replaced twice during each year.

(a) Initial authorized stockage levels of consumable and salvageable items for an organization are to be computed for predicted consumption based on the number of items employed and/or supported by an organization within the number of days for which stockage is authorized. In computing Garrison Operating Stock or Mount-Out, authorized levels can be determined by the requiring Marine Corps unit by multiplying the replacement factor times the quantity used per equipment times the number of end items employed by the using organization or supported by the service organization times the authorized day level expressed in the divided by 12. Specific formulas and examples are provided in Marine Corps Order MCO P4400.79.

The replacement factors used in initial stockage computations should be revised, if warranted after significant usage is experienced in accordance with the guidelines of MCO 4400.32A. The following formula replacement factor "X" represents actual usage experience (1 year). "A" represents the application per equipment, and "B" represents the number of equipments supported.

$$W = \frac{X}{A \times B}$$

(b) Initial allowances for maintenance float items (recoverability codes "R" and "D") for the FMF and appropriate post and stations are as furnished by Initial Issue Actions. Changes to maintenance replacement rates resulting from actual usage may require recomputation of maintenance float allowances by holding units. Any required recomputation of maintenance float allowances will be made in accordance with MCO 4000.6.

(c) The replacement factor for the same as (S/A) items is indicated upon the first appearance of the item in the major combination, component or assembly.

d. (All) *National Stock Number (Column 4).* Indicates the National Stock Number assigned to the item and will be used for requisitioning purposes.

e. (ALL) *Description (Column 5).* Indicates the Federal item name and any additional descriptions of the item required. The abbreviation "w/e" when used as part of the nomenclature, indicates that the National Stock Number includes all armament, equipment, accessories and repair parts issued with the item, A part number or other reference number is followed by the applicable five digit Federal Supply Code for manufacturer in parentheses. If two reference numbers and Federal Supply Codes for manufacturer are listed, the first listing refers to the Department of Defense Drawing Number, the second listing refers to the actual part manufacturer. Items that are included in kits and sets are listed below the name of the kit or set indicated in the quantity incorporated in unit column.

*f. (ALL) Unit of Measure (U/M).* Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc.). When the unit or measure differs from the unit of issue, the lowest units of issue that will satisfy the required units of measure will be requisitioned.

*g. (ALL) (Quantity Incorporated in Unit.* Indicates the quantity of the item used in the assembly group. A "V" appearing in this column in lieu of a quantity indicates that a definite quantity cannot be indicated (e.g., shims, spacers, etc.).

*h. (MC) Quantity Per Equipment.* Indicates the consolidated quantity of maintenance part used on an end item upon the parts first appearance in this publication.

**4. Special Information.**

a. (ALL) Identification of the usable on codes of this publication are:

<i>Code</i>	<i>Used On</i>
A	Model 4A032-1 NSN 2805-00-776-0483
B	Model 4A032-2 NSN 2805-00-068-7512
C	Model 4A032-3 NSN 2805-01-139-0596
D	Model 4A032-4 NSN 2805-01-276-5946

b. Army unit maintenance personnel will extract the items which they require from Section II, 3rd or 4th position of column 2 of the direct and general support RPSTL. Parts which are manufactured or assembled at a higher level than that authorized to install the part are indicated by the use of higher level code in the source column.

c. Stockage Information.

(1) Air force stockage information is contained in Initial Supply Support Lists issued separately from this publication by Sacramento Air Logistics Center in accordance with AFM 67-1. part I, chapter 12.

(2) Navy stockage objectives are contained in Consolidated Shipboard Allowance List as furnished separately from this publication by the Ship Parts Control Center.

(3) Marine Corps stockage information is contained in Marine Corp Change "A" type listings issued separate from this publication.

(4) Army stockage is demand based on accordance with AR 710-2. Repair parts listed in this publication represent those authorized for use at indicated maintenance levels and will be requisitioned on an as required basis until stockage is justified in accordance with AR 710-2.

**5. How to Locate Repair Parts.**

a. (ALL) When National Stock Number or reference numbers is unknown:

(1) Using the table of contents, determine the functional group; i.e., batteries and related parts, exhaust and breather pipes, within which the repair part belongs. This is necessary since illustrations are prepared for functional groups, and listings are divided into the same groups.

(2) Find the illustration covering the functional group to which the repair part belongs.

(3) Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

(4) Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. (ALL) When National Stock Number or reference number is known:

(1) Using the Index of National Stock Numbers and Reference Numbers, find the pertinent National Stock Number or reference number. This index is in ascending NSN sequence followed by a list of reference numbers in alphanumeric sequence, cross-referenced to the illustration figure number and item number.

(2) After finding the figure and item number, locate the figure and item number in the repair parts list.

**6. (F) Use of the Reference Designator Index Section.**

This Section (section V) is used when the reference designator is known or identified by other technical manuals supporting this equipment. The reference number is given in this Section. If description or location is desired, note the figure and item number. Turn to Section II to the noted figure and item number. The location of the part and description is given in this listing (Not Applicable).

**7. Abbreviations.**

- ALUM . . . . . aluminum
- ANPT . . . . . aeronautical national taper pipe threads.
- CAD . . . . . cadmium
- EA . . . . . each
- EXT . . . . . external
- FWD ... . . . . forward
- HEX . . . . . hexagon
- HP . . . . . horsepower
- ID . . . . . inside diameter(s)
- IN . . . . . inch(es)
- LG . . . . . length (long)
- MIL-STD . . . . . military standard
- MM . . . . . millimeter(s)
- MTG . . . . . mounting(s)
- NOM . . . . . nominal
- NPTF . . . . . national taper pipe (thread) fine
- OD . . . . . outside diameter(s)
- THK . . . . . thick(ness)
- UNF . . . . . unified fine thread

**8. Federal Supply Codes for Manufacturers**

<i>Code</i>	<i>Manufacturer</i>
77260	Pierce Govenor Co., Inc., P.O. Box 2000 Cupland, IN 46989
80205	National Aerospace Standards Committee Industries Association of America, Inc. 1725 Desales NW Washington, D.C. 20036
81348	Federal Specifications Promulgated by General Services Administration, Washington, D.C. 20001
81349	Military Specifications Promulgated by Military Dept's/Agencies under Authority of Defenses Standardization Manual 4120-3-M
81352	Air Force - Navy Aeronautical Specifications Promulgated by Aeronautical Standards Group

<i>Code</i>	<i>Manufacturer</i>
83299	A Eaton Corp. Industrial Truck Div., Phila. Plant 11000 Roosevelt Blvd., Phils., PA 19115 Formerly Eaton Corp. Materials Handling Div., Phila., PA
88044	Aeronautical Standards Group Dept. of Navy and Air Force
96906	Mil Standards Promulgated by Military Departments Under Authority of Defense Standardization
97403	A U.S. Army Mobility Research and Development Center, Fort Belvoir, VA 22060 Formerly Army Engineer Research and Development Laboratories Fort Belvoir, VA

### **9. Recommendation for Maintenance Publication Improvements**

Report of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted as follows:

a. Air Force AFTO Form 22 in accordance with T.O. 00-5-1, directly to: Commander, Sacramento Air Logistics Center, ATTN: MMEDT, McCellan AFB, CA 95652.

b. Army DA Form 2028 (Recommended Changes to Publications) and/or DA Form 2028-2 (Recommended Changes to Equipment Technical Manuals), may be used. Copies of DA Form 2028-2 are attached in the back of the manual for your use. Please mail your recommended changes directly to Commander, U.S. Army Troop Support Command, ATTN: AMSTR-MMTS, 4300 Goodfellow Blvd., St. Louis, Mo. 63120-1798. A reply will be furnished directly to you.

c. Marine Corps NAVMC 10772, directly to: Commanding General, Marine Corps Supply Activity, ATTN: (Code 848) 1100 S. Broad Street, Philadelphia, PA 19146.

d. Navy Letter, directly to: Commanding Officer, U.S. Navy Ship Parts Control Center, ATTN: Code 783, Mechanicsburg, PA 17055.

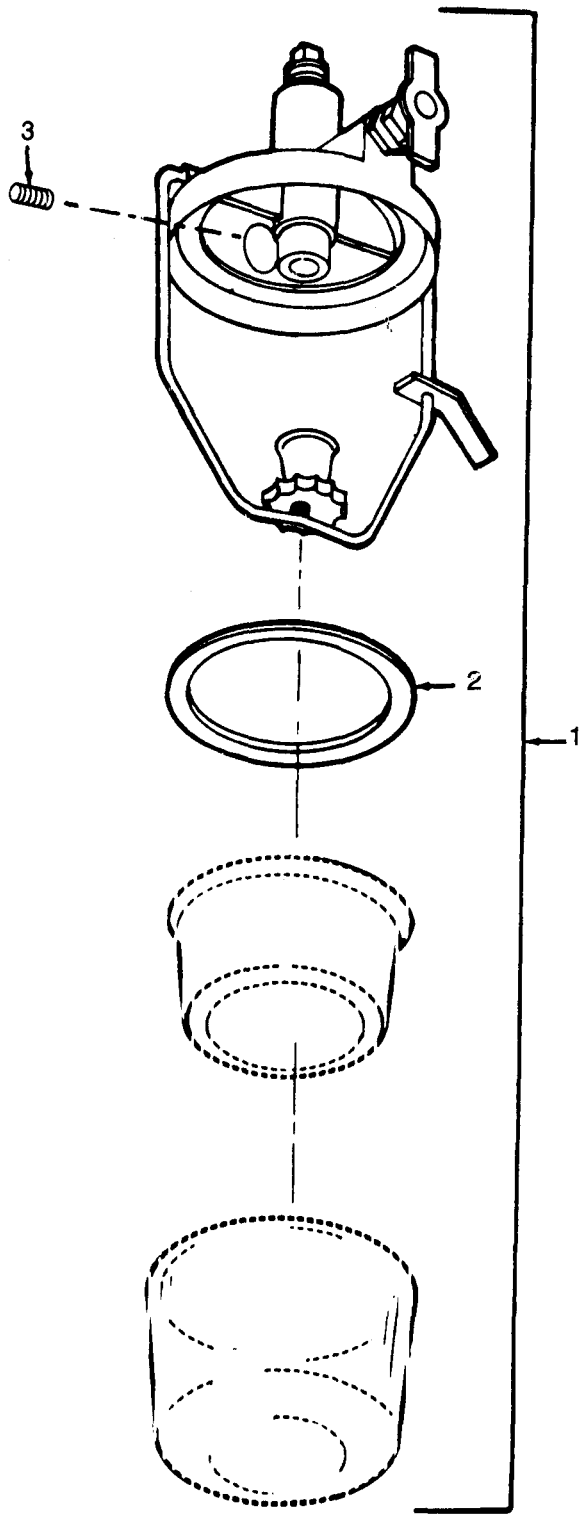


Figure 1 Fuel Filter

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 01 FUEL FILTER ASSEMBLY												
FIG 1 FUEL FILTER												
1	1	PAOZZ	PAOZZ		PAOZZ		.04	2910-00-905-9792	FILTER ASSEMBLY,FUEL MS51066-1 96906	EA	1	
1	2	PAOZZ	PAOZZ		PAOZZ		.06	5330-00-087-3612	GASKET,FUEL FILTER BOWL: 2 IN. OD (PART OF KIT,P/N 13214E8193) MS51091-4 96906	EA	1	
1	3	PAOZZ	PAOZZ		PAOZZ		.002	4730-00-196-1479	NIPPLE,FUEL FILTER: 1/8 NPTF 505-0104 44940	EA	1	

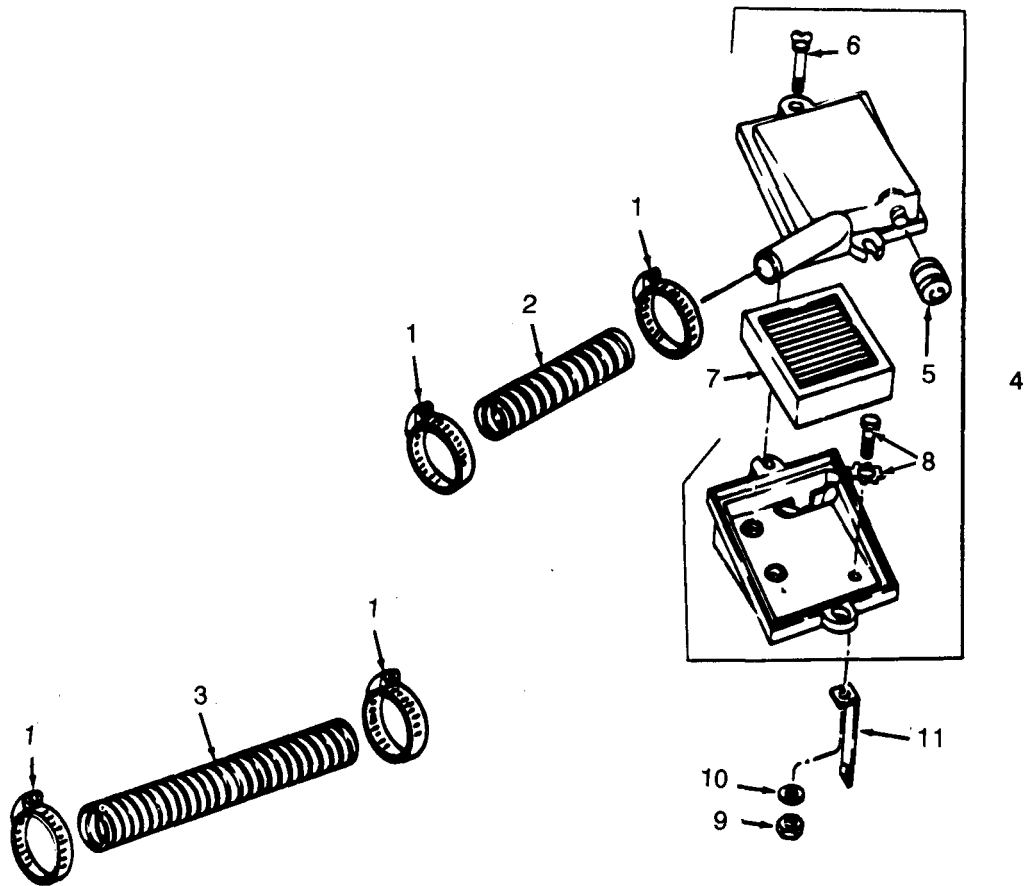


Figure 2. Air Cleaner.



TM9-2805-262-24P  
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 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)	
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 02 AIR CLEANER ASSEMBLY												
FIG 2 AIR CLEANER												
2	1	PAOZZ	PAOZZ		PAOZZ		.010	4730-00-071-7890	CLAMP,HOSE,TYPE E:NO. 18 1321BE0250-43 97403	EA	4	
2	2	KFOZZ	KFOZZ		KFOZZ				DUCT,AIR CLEANER(PART OF A,B KIT,P/N 13214E8194) 13214E9389-5 94703	EA	1	
2	3	PAOZZ	PAOZZ		PAOZZ		.004	4720-01-137-6823	DUCT,AIR CLEANER (PART OF KIT,P/N 13214E8194) 13214E9389-7 97403	EA	1	
2	4	PAOZZ	PAOZZ		PAOZZ		.10	2940-00-882-1707	AIR CLEANER ASSEMBLY 13206E0250 97403	EA	1	
2	5	PAOZZ	PAOZZ		PAOZZ		.003	6685-00-179-8632	INDICATOR,RESTRICTION 13206E0820	EA	1	
2	6	PAOZZ	PAOZZ		PAOZZ		.003	5305-00-245-8424	THUMBSCREW 13206E0248 97403	EA	2	
2	7	PAOZZ	PAOZZ		PAOZZ		.020	2940-00-876-2212	ELEMENT,AIR CLEANER 13206E0251 97403	EA	1	
2	8	PAOZZ	PAOZZ		PAOZZ		.008	5305-00-363-3976	SCREW AND LOCKWASHER ASSEMBLY: AIR CLEANER MTG, 1/4-20 X 5/8 IN. 13218E0504-67 97403	EA	4	
2	9	PAOZZ	PAOZZ		PAOZZ		.008	5310-00-423-0557	NUT,HEXAGON:BRACKET MTG,1/4-20, STEEL CAD,PLATED 13218E0321-291 97403	EA	1	
2	10	PAOZZ	PAOZZ		PAOZZ		.010	5310-01-239-8859	WASHER,PLAIN:AIR CLEANER,BRACKET, .266 ID X .560 OD X .062 THK 13206E0444-5 97403	EA	2	
2	11	PAOZZ	PAOZZ		PAOZZ		.002	5340-00-222-8256	BRACKET,SHROUD:AIR CLEANER MTG 13206E0255 97403	EA	1	
		PAOZZ	PAOZZ		PAOZZ		.06	2805-00-937-0946	KIT,AIR DUCT A,B 13214E8194 97403			V
DUCT,AIR CLEANER (1) 2-2												
DUCT,AIR CLEANER (1) 2-3												

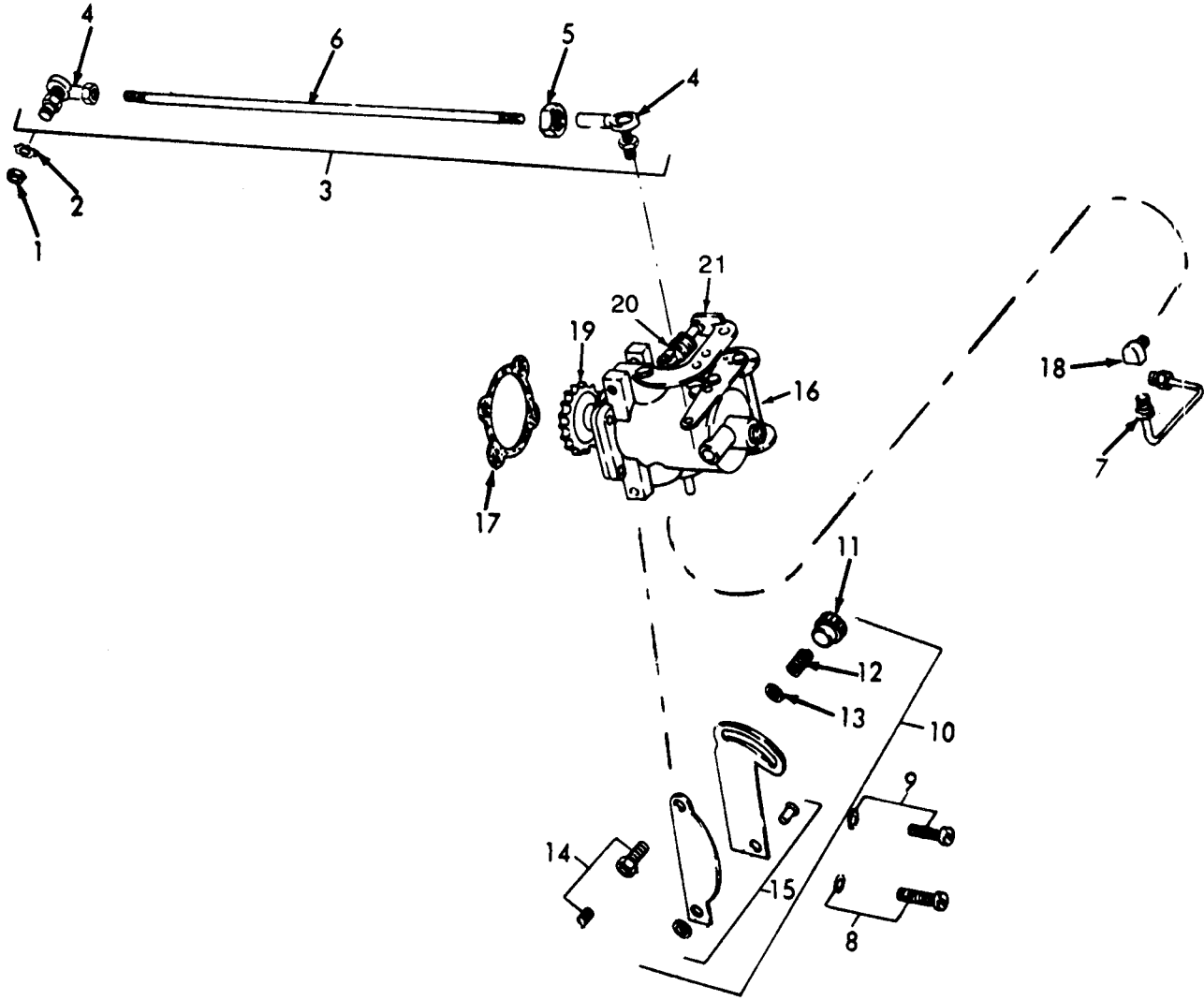


Figure 3. Governor and Related Parts.

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	TM9-2805-262-24P NAVFAC P-8-613E-24P TO-38G2-90-14 SL-4-03522C (5) DESCRIPTION	(6)	(7)	(8)
a.	b.	a.	b.	c.	d.	a.	b.	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
									GROUP 03 GOVERNOR AND CONTROLS			
									FIG 3 GOVERNOR AND RELATED PARTS			
3	1	PAOZZ	PAOZZ		PAFZZ		.008	5310-00-934-9751	NUT,PLAIN,HEXAGON:GOVERNOR CONTROL, ROD MOUNTING TO CARBURETOR MS35650-302 96906	EA	1	
3	2	PAOZZ	PAOZZ		PAFZZ		.010	5310-00-596-7691	WASHER,LOCK:GOVERNOR CONTROL ROD MOUNTING TO CARBURETOR 13218E0518-38 97403	EA	1	
3	3	AOOZZ	AOOZZ		AOOZZ				ROD LINKAGE ASSEMBLY 13206E0230 97403	EA	1	
3	4	PAOZZ	PAOZZ		PAFZZ		.01	3040-00-789-0974	BALL JOINT ASSEMBLY 13206E0240 97403	EA	2	
3	5	PAOZZ	PAOZZ		PAFZZ		.008	5310-00-934-9751	NUT,PLAIN,HEXAGON:BALL JOINT TO GOVERNOR CONTROL ROD MS35650-302 96906	EA	2	
3	6	PAOZZ	PAOZZ		PAFZZ			2990-00-116-0198	ROD,GOVERNOR LINKAGE 13206E0231 97403	EA	1	
3	7	PAOZZ	PAOZZ		PAFZZ		.004	4710-00-992-9149	TUBE,GOVERNOR LUBRICATION ASSEMBLY 13206E0190 97403	EA	1	
3	8	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-411-8109	SCREW AND WASHER,ASSEMBLED: 1/4-20 X 5/8 IN. 13218E0504-95 97403	EA	2	
3	9	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-427-0034	SCREW AND WASHER,ASSEMBLED:1/4-20 X 1 IN. 13218E0504-70 97403	EA	2	
3	10	PAOZZ	PAOZZ		PAFZZ		.004	2910-00-868-0839	CONTROL ASSEMBLY,CARBURETOR 13206E0475 97403	EA	1	
3	11	PAOZZ	PAOZZ		PAFZZ		.002	5355-00-106-1804	KNOB,CARBURETOR CONTROL 13206E1405 97403	EA	1	
3	12	PAOZZ	PAOZZ		PAFZZ		.015	5360-00-867-8788	SPRING,KNOB,TENSION 13206E1409 97403	EA	1	
3	13	PAOZZ	PAOZZ		PAFZZ		.008	5310-00-045-5214	WASHER,FLAT,METAL GF?3/8 ID X 13/16 OD X 1/16 THK MS15795-914 96906	EA	1	
3	14	PAOZZ	PAOZZ		PAFZZ		.008	2805-00-073-3052	PIN AND BOLT ASSEMBLY,CARBURETOR 13206E1489 97403	EA	1	
3	15	XAOZZ	XAOZZ		XAFZZ				BRACKET AND LEVER ASSEMBLY 13206E0485 97403	EA	1	
3	16	KFOZZ	KFOZZ		KFOZZ				GOVERNOR ASSEMBLY(PART OF KIT,P/N 13214E8210) 13206E0180 97403	EA	1	
3	17	PAOZZ	PAOZZ		PAOZZ		.030	5330-00-073-3053	GASKET,GOVERNOR MOUNTING (PART OF KIT,P/N 13214E8210) 13206E0184 97403	EA	1	
3	18	PAOZZ	PAOZZ		PAOZZ		.004	4730-00-529-4437	ELBOW,INVERTED FLARE:90 DEGREE TUBE TO NPTF 13218E0138-11 97403	EA	1	
3	19	PAOZZ	PAOZZ		PAFZZ		.05	3020-00-100-2766	GEAR,GOVERNOR 13206E0182 97403	EA	1	
3	20	PAOZZ	PAOZZ		PAFZZ		.015	5360-00-937-0963	SPRING,GOVERNOR ADJUSTING (FOR PIERCE GOVERNOR ONLY) SN1575 77260	EA	1	
3	21	PAOZZ	PAOZZ		PAFZZ		.008	5305-01-087-1917	SCREW,MACHINE,GOV.FREQUENCY MS51849-70 96906	EA	1	
		PAOZZ	PAOZZ		PAFZZ		.004	2990-00-856-7092	KIT,GOVERNOR REPLACEMENT 13214E8210 97403		V	
									GOVERNOR ASSEMBLY (1) 3-16			
									GASKET,GOVERNOR MTG (1) 3-17			



TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 04 CARBURETOR ASSEMBLY												
FIG 4 CARBURETOR AND RELATED PARTS												
4	1	PAOZZ	PAOZZ		PAFZZ		.004	4710-00-867-8784	FUEL LINE ASSEMBLY 13206E0410 97403	EA	1	
4	2	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-017-9085	SCREW AND WASHER, ASSEMBLED: CARBURETOR ADAPTER TO INTAKE MANIFOLD MOUNTING, 1/4-20 X 3/4 13218E0504-68 97403	EA	2	
4	3	PAOZZ	PAOZZ		PAFZZ		.008	5310-00-913-7020	NUT, HEXAGON: CARBURETOR MOUNTING, 1/4-28 13218E0321-51 97403	EA	2	
4	4	PAOZZ	PAOZZ		PAFZZ		.008	5310-00-209-0786	WASHER, LOCK, FLAT, EXT. TOOTH: 1/4 IN. 13218E0518-40 97403	EA	2	
4	5	PAOZZ	PAOZZ		PAFZZ		.020	2805-00-190-7968	ADAPTER: CARBURETOR TO INTAKE MANIFOLD 13206E0211 97403	EA	1	
4	6	KFOZZ	KFOZZ		KPFZZ				GASKET: ADAPTER TO INTAKE MANIFOLD (PART OF KIT, P/N 13214E8193) 13206E0232 97403	EA	2	
4	7	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-363-3976	SCREW AND LOCKWASHER ASSEMBLY: 1/4-20 X 5/8 13218E0504-67 97403	EA	2	
4	8	PAOZZ	PAOZZ		PAFZZ		.006	2805-00-867-8779	ELBOW: CARBURETOR TO AIR CLEANER HOSE 13206E0212 97403	EA	1	
4	9	PAOZZ	PAOZZ		PAFZZ		.006	4730-01-317-8894	ELBOW: FUEL TO CARBURETOR CONNECTOR 3/16 TUBE OD X 1/8 NPFT X 3/8-24 UNF-2A 13218E0170-30 97403	EA	1	
4	10	PAOZZ	PAOZZ		PAFZZ		.04	5330-00-819-8733	GASKET: CARBURETOR MOUNTING (PART OF KITS 13214E8193 AND 13214E8192) 9786E26-2 97403	EA	2	
4	11	PAOZZ	PAOZZ		PAFZZ		.008	5307-00-637-6755	STUD, STRAIGHT: .250-20 X .250-28 X 13062 LG (PART OF KIT 13214E8192) 97403 AN125964 88044	EA	2	
4	12	KFOZZ	KFOZZ		KPFZZ				CARBURETOR (PART OF KIT 13214E8192) 97403 9786E27 97403  13215E3837 97403	EA	1	
		PAOZZ	PAOZZ		PAFZZ		.020	2910-00-917-4735	KIT, CARBURETOR REPLACEMENT 13214E8192 97403  GASKET (2) 4-10  STUD (2) 4-11  CARBURETOR (1) 4-12			V

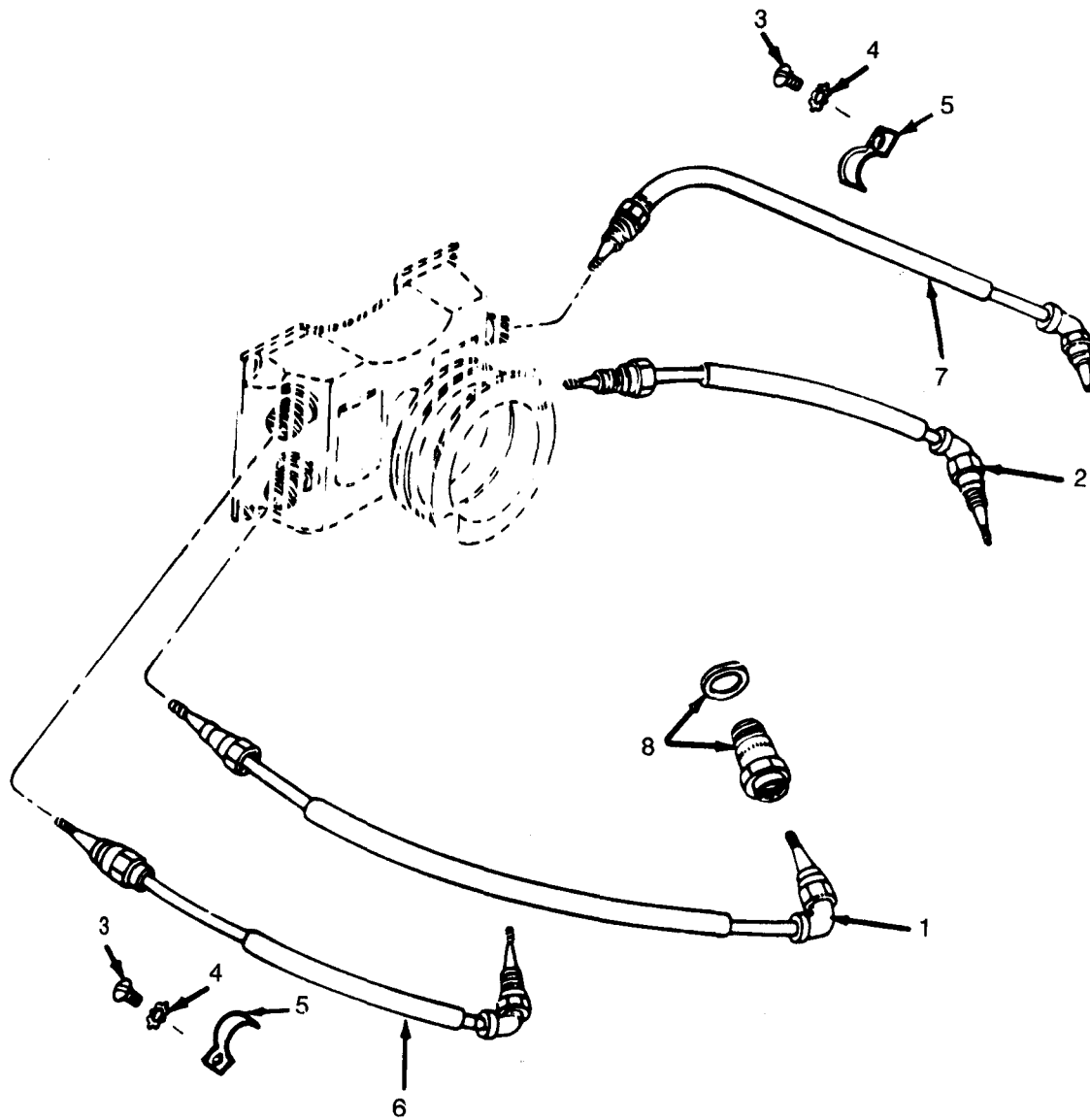


Figure 5. Spark Plugs and Cables.

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)	
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 05 HIGH TENSION CABLES												
GROUP 06 SPARK PLUGS												
FIG 5 SPARK PLUGS AND CABLES												
5	1	PAOZZ	PAOZZ		PAOZZ		.02	2920-00-867-8794	CABLE ASSEMBLY,HIGH TENSION: NO.1 CYLINDER 13227E9891-4 97403	EA	1	
5	2	PAOZZ	PAOZZ		PAOZZ		.02	5995-00-867-8796	CABLE ASSEMBLY,HIGH TENSION: NO.2 CYLINDER 13227E9891-5 97403	EA	1	
5	3	PAOZZ	PAOZZ		POAZZ		.008	5305-00-363-3976	SCREW AND WASHER,ASSEMBLED: A,B NO.3 AND 4 HIGH TENSION CABLES MTG, 1/4-20 X 5/8 13218E0504-67 97403	EA	4	
5	4	PAOZZ	PAOZZ		PAOZZ		.008	5310-01-239-8859	WASHER,PLAIN:.268 ID X .560 OD X A,B .062 THK 13206E0444-5 97403	EA	4	
5	5	PAOZZ	PAOZZ		PAOZZ			5340-01-160-2303	CLAMP,LOOP:ALUM SECURES A,B NO.3 AND 4 HIGH TENSION CABLES MS9354-08 96906	EA	4	
5	6	PAOZZ	PAOZZ		PAOZZ		.02		CABLE ASSEMBLY,HIGH TENSION: NO.3 CYLINDER 13227E9891-6 97403	EA	1	
5	7	PAOZZ	PAOZZ		PAOZZ		.020		CABLE ASSEMBLY,HIGH TENSION NO. 4 CYLINDER 13227E9891-7 97403	EA	1	
5	8	PAOZZ	PAOZZ		PAOZZ		.125	2920-00-810-7082	SPARK PLUG,SHEILDED:18 MM INCLUDING GASKET MS51009-1 96906	EA	4	

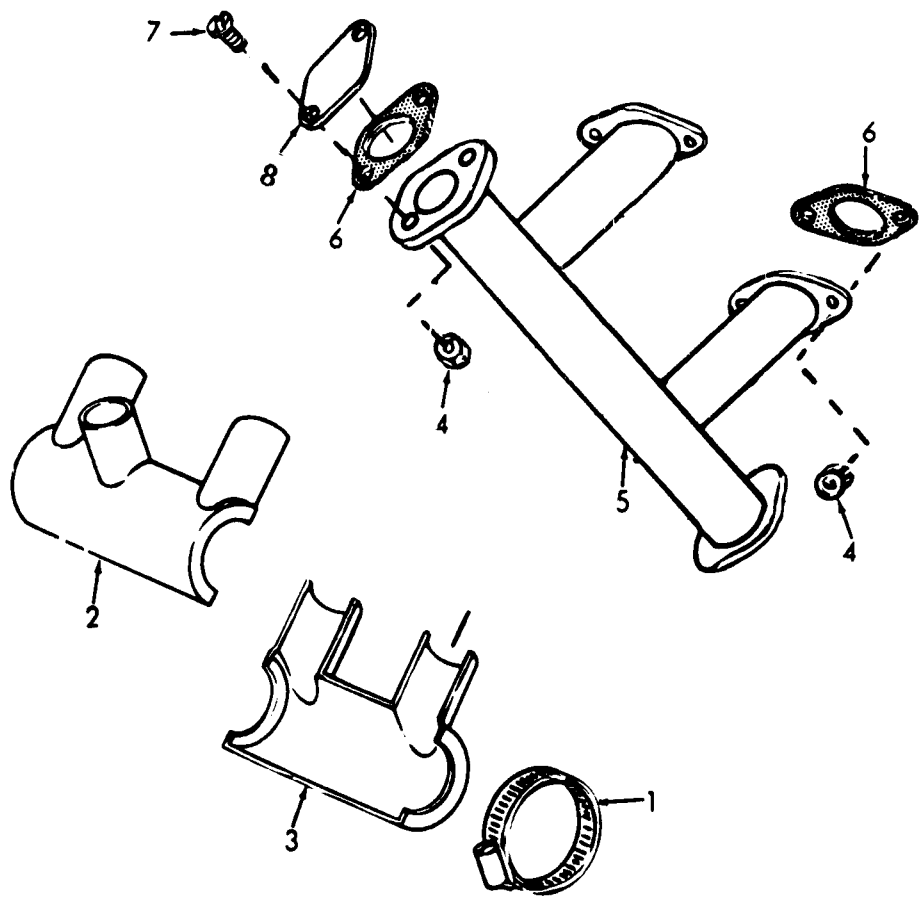


Figure 6. Exhaust Manifold



TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)	
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 07 EXHAUST MANIFOLD ASSEMBLY												
FIG 6 EXHAUST MANIFOLD												
6	1	PAOZZ	PAOZZ		PAFZZ		.013	4730-00-908-3194	CLAMP, LOW PRESSURE, TYPE P MS35842-11 96906	EA	1	
6	2	PAOZZ	PAOZZ		PAFZZ		.005	2990-00-044-0628	PREHEATER, AIR TOP 13206E0446 97403	EA	1	
6	3	PAOZZ	PAOZZ		PAFZZ		.005	2990-00-058-6499	PREHEATER, AIR BOTTOM 13206E0447 97403	EA	1	
6	4	PAOZZ	PAOZZ		PAFZZ		.008	5310-00-017-8919	NUT, EXHAUST 9786E50-1 97403	EA	4	
6	5	PAOZZ	PAOZZ		PAFZZ		.011	2805-00-758-7699	MANIFOLD, EXHAUST 13206E0420 97403	EA	1	
6	6	PAOZZ	PAOZZ		PAFZZ		.003	5330-00-797-3506	GASKET, EXHAUST MANIFOLD (PART OF KIT, P/N 13214E8193) 9786E50-2 97403	EA	3	
6	7	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-484-3470	SCREW, MACHINE: EXHAUST MANIFOLD COVER, 1/4-28 X 5/8 IN. LG 13218E0526-278 97403	EA	2	
6	8	PAOZZ	PAOZZ		PAFZZ		.011	2805-00-103-5317	COVER, EXHAUST MANIFOLD 13206E0424 97403	EA	1	

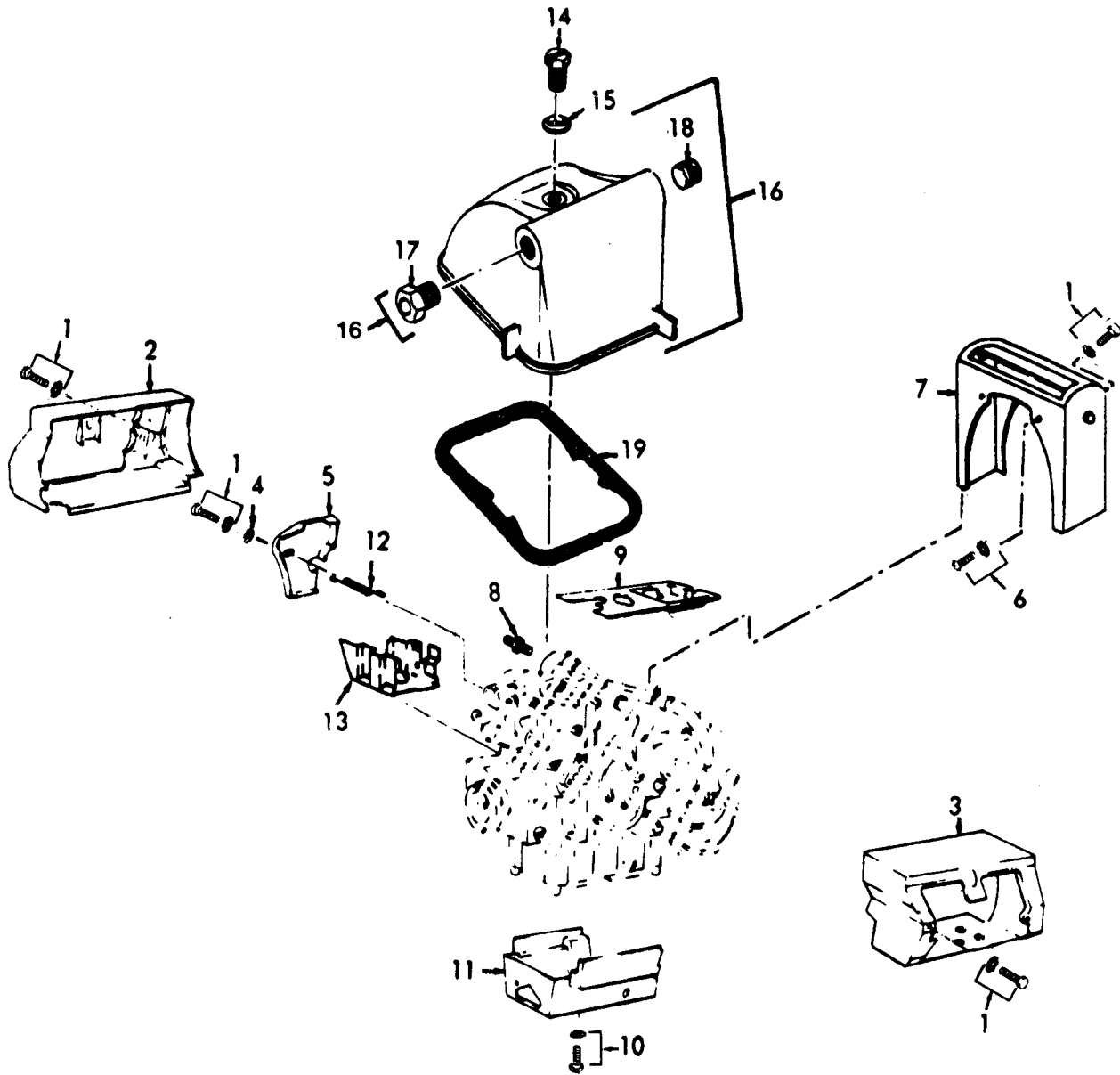


Figure 7. Engine Shroud, Rocker Arm Covers.

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	TM9-2805-262-24P NAVFAC P-8-613E-24P TO-38G2-90-14 SL-4-03522C (5) DESCRIPTION	(6)	(7)	(8)
a.	b.	a.	b.	c.	d.	a.	b.	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
									GROUP 08 ROCKER COVER ASSEMBLY			
									GROUP 09 COOLING SYSTEM			
									FIG 7 ENGINE SHROUD,ROCKER ARM COVERS			
7	1	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-363-3976	SCREW AND WASHER,ASSEMBLED:1/4-20 X 5/8 13218E0504-67 97403	EA	7	
7	2	PAOZZ	PAOZZ		PAFZZ		.01	5340-01-146-5265	COVER ASSEMBLY:1 AND 3 CYLINDERS 13226E2232 97403	EA	1	
7	3	PAOZZ	PAOZZ		PAFZZ		.01	2805-00-103-5316	COVER ASSEMBLY:2 AND 4 CYLINDERS 13206E0291 97403	EA	1	
7	4	PAOZZ	PAOZZ		PAFZZ		.008	5310-01-239-8859	WASHER,FLAT 13206E0444-5 97403	EA	2	
7	5	PAOZZ	PAOZZ		PAFZZ		.005	5340-01-300-3722	COVER,ACCESS,INNER CYLINDER 13226E0944 97403	EA	2	
7	6	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-017-9085	SCREW AND WASHER,ASSEMBLED: WINTERIZATION SHROUD MTG,AFT SIDE1/4-20 X 3/4 13218E0504-68 97403	EA	2	
7	7	PAOZZ	PAOZZ		PAFZZ		.004	2805-00-867-8738	SHROUD ASSEMBLY,WINTERIZATION 13206E0440 97403	EA	1	
7	8	PAOZZ	PAOZZ		PAFZZ		.05	4730-00-067-8969	ADAPTER:FUEL LINE TO FUEL PUMP, 1/8 NPTF X 3/8-24 UNF-28 13218E0171-22 97403	EA	4	
7	9	XBOZZ	XBOZZ		XBZZ		.01		COVER ACCESS,CRANKCASE 13206E0276 97403	EA	1	
7	9	XDOZZ	XDOZZ		XDOZZ		.010		COVER ACCESS,CRANKCASE USED ON ENGINES WITH FUEL PUMP WITH PRIMER 13226E2231 97403	EA	1	
7	10	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-427-0029	SCREW AND WASHER,ASSEMBLED:OIL PAN COVER MTG,1/4-20 X 1/2 13218E0504-65 97403	EA	4	
7	11	PAOZZ	PAOZZ		PAFZZ		.005	2805-00-103-5320	COVER:OIL PAN 13206E0292 97403	EA	1	
7	12	PAOZZ	PAOZZ		POFZZ		.035	5360-01-153-9681	SPRING,BAFFLE,RETAINING 13206E0275	EA	4	
7	13	PAOZZ	PAOZZ		PAFZZ		.005	2805-00-103-5318	BAFFLE,CYLINDER 13206E0274 97403	EA	1	
7	14	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-368-8223	SCREW,MACHINE:COVER,ENGINE 1/4-20 X 1/2 13218E0526-109 97403	EA	4	
7	15	PAOZZ	PAOZZ		PAFZZ		.008	5330-00-114-2036	WASHER,SEALING:COVER,ENGINE SCREW(PART OF KIT,P/N 13214E8193) 13215E3857-10 97403	EA	4	
7	16	PAOZZ	PAOZZ		PAFZZ		.01	2805-00-867-8736	COVER,ENGINE POPPET 9786E44 97403	EA	4	
7	17	PAOZZ	PAOZZ		PAFZZ		.007	4820-00-799-5589	VALVE,RELIEF 9786E46 97403	EA	4	
7	18	PAOZZ	PAOZZ		PAFZZ		.003	4730-00-221-2134	PLUG,PIPE:1/4 NPTF MS277691D1 96906	EA	4	
7	19	PAOZZ	PAOZZ		PAFZZ		.003	5330-00-797-4642	GASKET:ROCKER BOX COVER (PART OF KIT, P/N 13214E8193) 9786E44-2 97403	EA	4	

3  
4 THRU 12

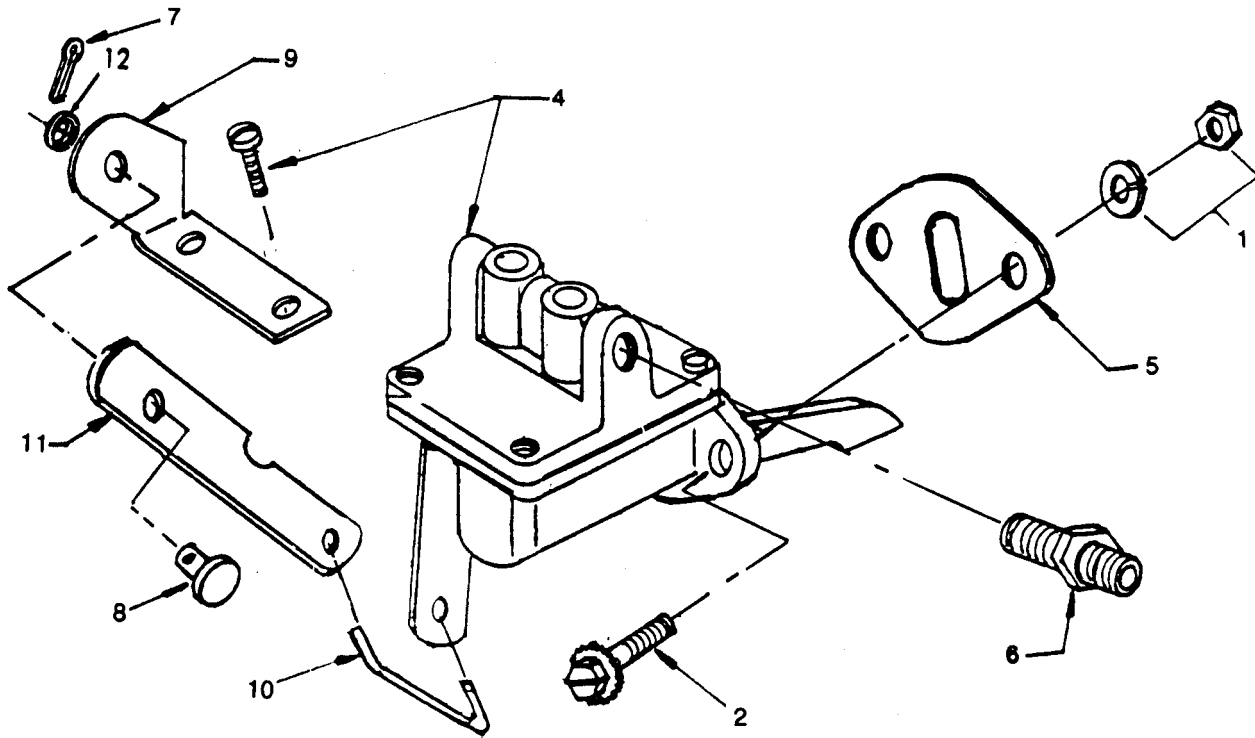


Figure 8. Fuel Pump

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)	
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 10 FUEL PUMP												
FIG 8 FUEL PUMP												
8	1	PAOZZ	PAOZZ		PAFZZ		.008	5310-00-696-5174	NUT AND LOCKWASHER ASSEMBLY: FUEL PUMP MOUNTING, 1/4-28 13206E0406 97403	EA	2	
8	2	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-431-7992	SCREW AND WASHER ASSEMBLED; FUEL PUMP MOUNTING, 1/4-28 X 7/8 13218E0505-69 97403	EA	2	
8	3	PAOZZ	PAOZZ		PAFZZ		.013	2910-01-146-5262	PUMP ASSEMBLY, FUEL 13226E2225 97403	EA	1	
8	4	XAOZZ	XAOZZ		XAFZZ				PUMP, FUEL 13226E2230-1 97403	EA	1	
8	5	PAOZZ	PAOZZ		PAFZZ		.030	5330-00-756-1673	GASKET, FUEL PUMP, MOUNTING (PART OF KIT, P/N 13214E8193) 13206E0401 97403	EA	1	
8	6	PAOZZ	PAOZZ		PAFZZ			4730-00-067-8969	ADAPTER, STRAIGHT, PIPE 13218E0171-22 97403	EA	2	
8	7	PAOZZ	PAOZZ		PAFZZ			5315-00-234-1854	PIN, COTTER MS24665-153 96906	EA	1	
8	8	XBOZZ	XBOZZ		XBFZZ				PIN 13226E2227 97403	EA	1	
8	9	XBOZZ	XBOZZ		XBFZZ				BRACKET 13226E2226 97403	EA	1	
8	10	XBOZZ	XBOZZ		XBFZZ				LINK 13226E2224 97403	EA	1	
8	11	XAOZZ	XAOZZ		XAFZZ				LEVER 13226E2229 97403	EA	1	
8	12	XBOZZ	XBOZZ		XBOZZ				WASHER, FLAT MS15795-812 96906	EA	1	

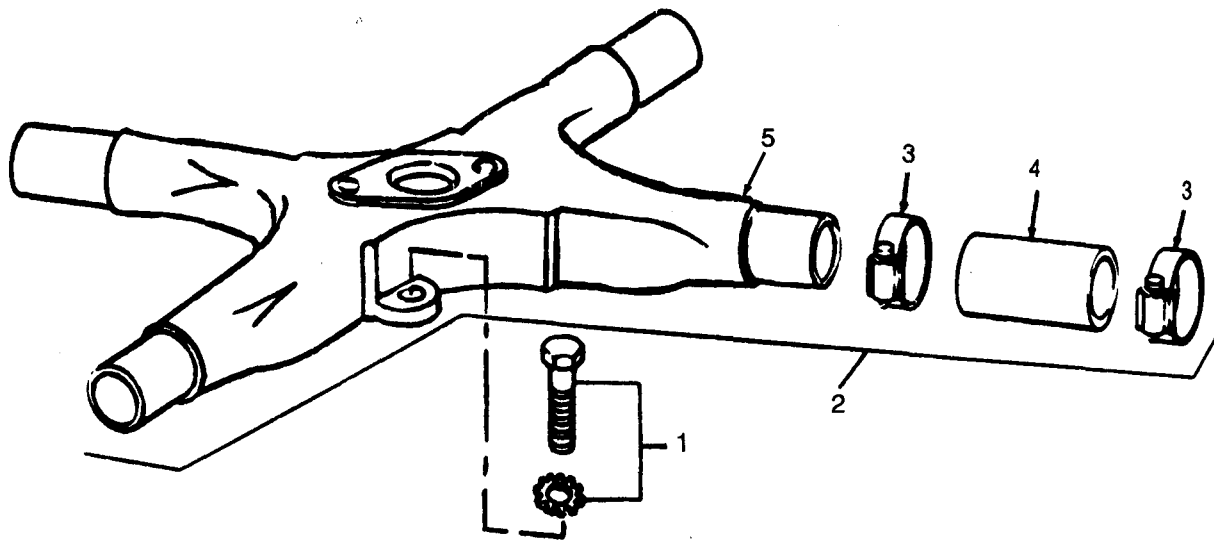


Figure 9. Intake Manifold.

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
									GROUP 11 INTAKE MANIFOLD ASSEMBLY			
									FIG 9 INTAKE MANIFOLD			
9	1	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-017-9085	SCREW AND WASHER, ASSEMBLED: INTAKE MANIFOLD MOUNTING, 1/4-20 X 3/4 13218E0504-68 97403	EA	1	
9	2	PAOZZ	PAOZZ		PAFZZ		.011	2805-00-408-1185	INTAKE MANIFOLD ASSEMBLY 13206E0200 97403	EA	1	
9	3	PAOZZ	PAOZZ		PAOZZ		.008	4730-00-908-3194	CLAMP, HOSE, TYPE E MS35842-11 96906	EA	8	
9	4	PAOZZ	PAOZZ		PAOZZ		.07	4720-00-937-0951	HOSE, NONMETALLIC, INTAKE MANIFOLD 1 IN. ID X 2 1/4 IN. LG 13214E9573 97403	EA	4	
9	5	XBOZZ	XBOZZ		XBFZZ				INTAKE MANIFOLD 13206E0201 97403	EA	1	

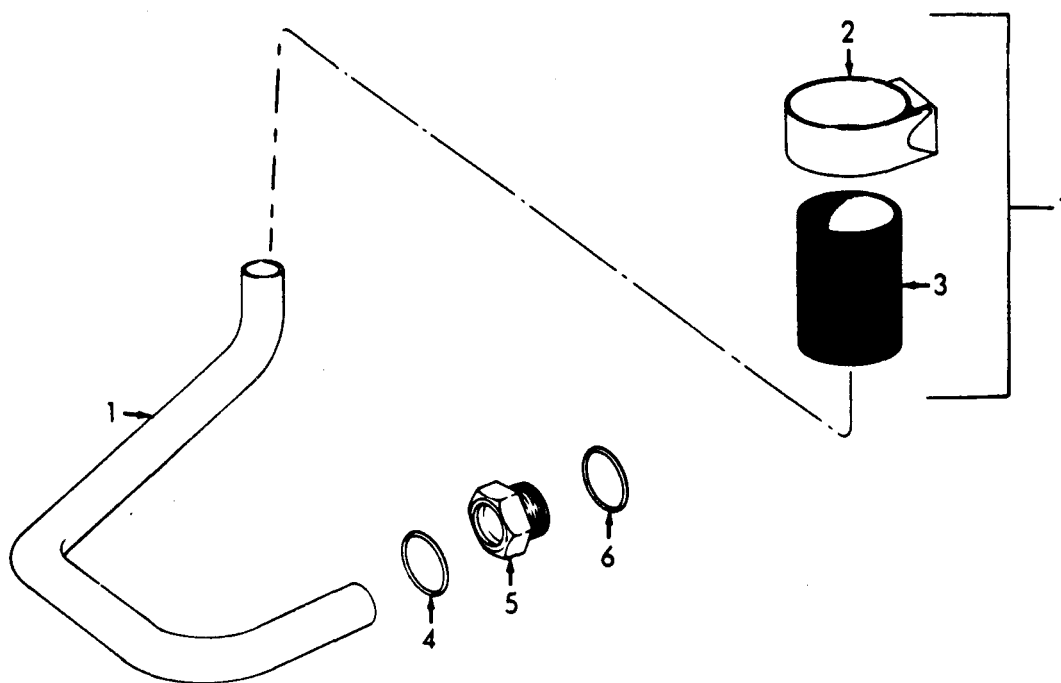


Figure 10. Breather Tube Assembly.

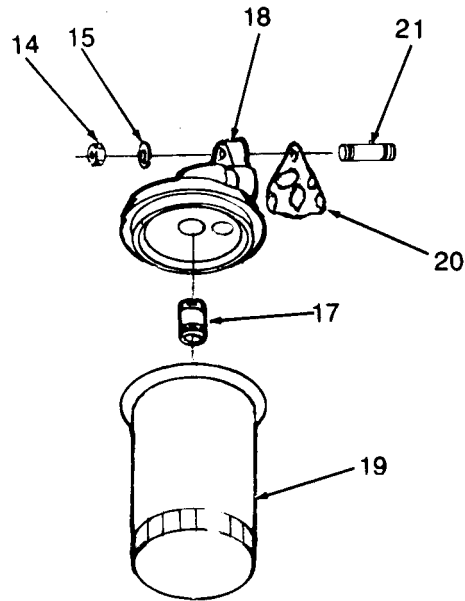


TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)	
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 12 CRANKCASE VENTILATION SYSTEM												
FIG 10 BREATHER TUBE ASSEMBLY												
10	1	PAOZZ	PAOZZ		PAOZZ		.004	2805-00-194-4208	TUBE,BREATHER ASSEMBLY 13206E0070 97403	EA	1	
10	2	PAOZZ	PAOZZ		PAOZZ		.008	4730-00-908-3194	CLAMP,HOSE,TYPE E MS35842-11 96906	EA	2	
10	3	MOOZZ	MOOZZ		MOOZZ				HOSE,RUBBER: (MAKE FROM RUBBER HOSE,PN 2565-8 2-1/2 IN ID, X 1-15/16 IN LG) 2565-81 01276	EA	1	
10	4	PAOZZ	PAOZZ		PAOZZ		.003	5330-00-752-8605	GASKET,METALLIC ENCASED:COPPER- ASBESTOS 3/4 IN. ID X 1 IN. OD X IN. THK (PART OF KIT,P/N 13214E8193) MS35769-15 96906	EA	1	
10	5	XBOZZ	XBOZZ		XBOZZ				NUT,GLAND:BREATHER TUBE 13206E0073 97403	EA	1	
10	6	KFOZZ	KFOZZ		KFOZZ		.03		PACKING,PREFORMED:CRANKCASE(PART OF KIT,P/N 13214E8193) MS9068-015 96906	EA	1	

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 4 thru 12

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 8 thru 12



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 14 thru 21

16  
 17 and 18

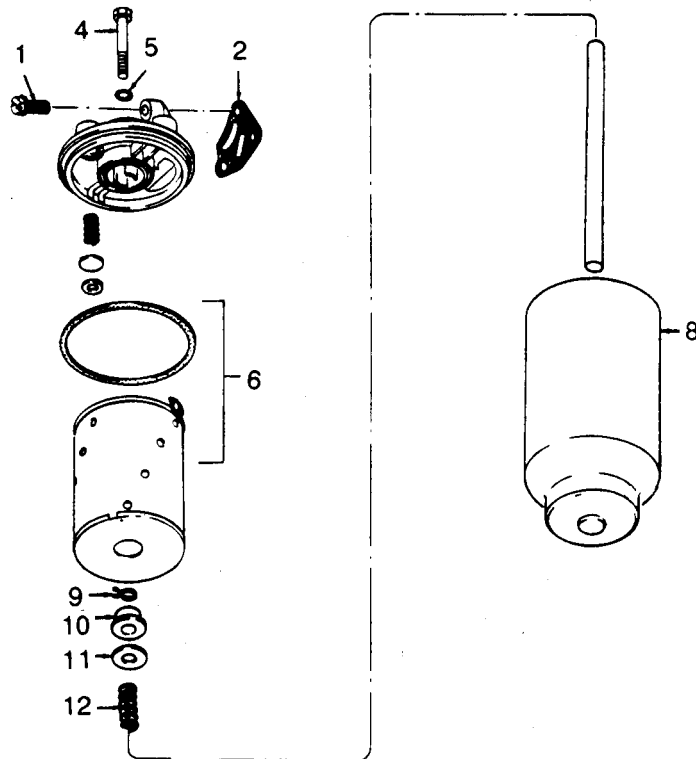


Figure 11. Oil Filter

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	TM9-2805-262-24P NAVFAC P-8-613E-24P TO-38G2-90-14 SL-4-03522C (5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
									GROUP 13 FILTER ASSEMBLY			
									FIG 11 OIL FILTER			
11	1	PAOZZ	PAOZZ		PAOZZ		.008	5305-00-427-0034	SCREW AND WASHER,ASSEMBLED A,B 13218E0504-70 97403	EA	3	
11	2	PAOZZ	PAOZZ		PAOZZ		.030	5330-00-073-3038	GASKET,OIL FILTER MOUNTING A,B (PART OF KIT,P/N 13214E8193) 13206E0177 97403	EA	1	
11	3	XBOZZ	XBOZZ		XBOZZ		.01		OIL FILTER ASSEMBLY A,B 13206E0160 97403	EA	1	
11	4	XBOZZ	XBOZZ		XBOZZ		.008		BOLT,HEX HEAD:5/16-18 X 2 1/4 A,B IN LG 13218E0527-43 97403	EA	1	
11	5	PAOZZ	PAOZZ		PAOZZ		.003	5330-00-752-7750	GASKET METALLIC:COPPER- A,B ASBESTOS 5/16 ID X 7/16 OD X 5/16 THK (PART OF KIT, P/N 13214E8193 MS35769-4 96906	EA	1	
11	6	PAOZZ	PAOZZ		PAOZZ		2.00	2940-00-580-6302	ELEMENT,OIL FILTER W/GASKET A,B MS35802-1 96906	EA	1	
11	7	XBOZZ	XBOZZ		XBOZZ				KIT,OIL FILTER SHELL A,B REPLACEMENT 13215E4168 97403	EA	1	
11	8	KFOZZ	KFOZZ		KFOZZ				SHELL,FILTER A.B 13215E4167 97403	EA	1	
11	9	PAOZZ	PAOZZ		PAOZZ		.010	5365-00-867-8808	RETAINER,OIL FILTER A,B CENTERING SEAL 13206E0168	EA	1	
11	10	PAOZZ	PAOZZ		PAOZZ		.030	5330-00-073-3036	SEAL,OIL FILTER CENTERING A,B 13206E0167	EA	1	
11	11	XDOZZ	XDOZZ		XDOZZ				WASHER,PLAIN 15/32 ID X A,B 1-1/8 IN OD X 1/32 IN THK 13206E0444-10 97403	EA	1	
11	12	XBOZZ	XBOZZ		XBOZZ		.010		SPRING,CARTRIDGE ADJUSTING A,B 13206E0165 97403	EA	1	
11	13	AOOZZ	AOOZZ		AOOZZ				OIL FILTER ASSEMBLY,SPIN-ON C,D 13226E6190 97403	EA	1	
11	14	PAOZZ	PAOZZ		PAOZZ			5310-00-298-2747	NUT,SELF-LOCKING,OIL FILTER C,D COVER TO BRACKET STUD MS20500-428 96906	EA	3	
11	15	PAOZZ	PAOZZ		PAOZZ			5310-00-809-4058	WASHER,FLAT,OIL FILTER COVER C,D MS27183-10 96906	EA	3	
11	16	PAOZZ	PAOZZ		PAOZZ			2940-01-264-2105	COVER ASSEMBLY C,D 13226E6191 97403	EA	1	
11	17	PAOZZ	PAOZZ		PAOZZ		.004	4730-01-198-8624	NIPPLE,TUBE C,D 13226E6193 97403	EA	1	
11	18	XAOZZ	XAOZZ		XAOZZ				COVER OIL FILTER C,D 13226E6192 97403	EA	1	
11	19	PAOZZ	PAOZZ		PAOZZ		.870	2940-00-832-6054	OIL FILTER ELEMENT SPIN ON C,D 5-1/2 TO 5-7/8 IN LG 11630417 19207	EA	1	
11	19	PAOZZ	PAOZZ		PAOZZ		.870	2940-00-586-4792	OIL FILTER ELEMENT-SPIN ON C,D 4-9/32 IN, LG. B233 12658	EA	1	
11	20	PAOZZ	PAOZZ		PAOZZ		.030	5330-00-073-3038	GASKET,OIL FILTER MOUNTING C,D (PART OF KIT,P/N 13214E8193) 13206E0177 97403	EA	1	
11	21	PAOZZ	PAOZZ		PAOZZ		.010	5307-01-010-5866	STUD,PLAIN OIL FILTER MOUNT C,D MS17300-111 96906	EA	1	

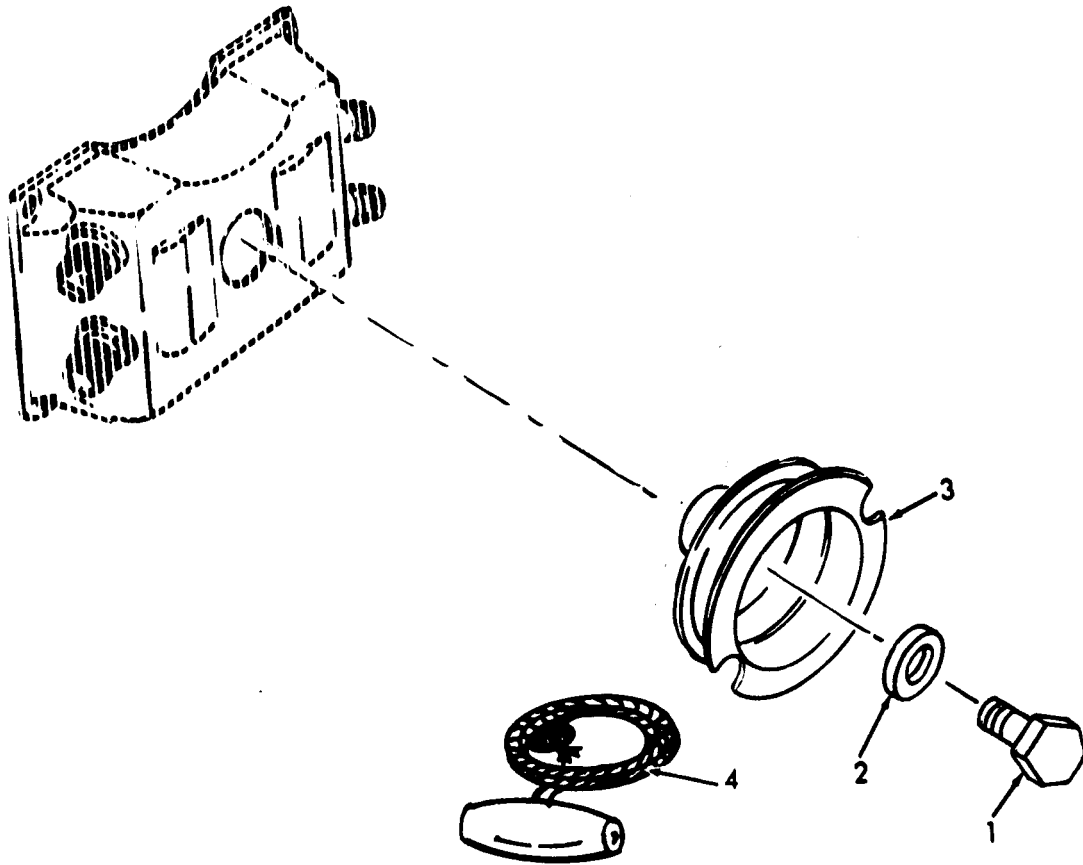


Figure 12. Pulley.

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 14 STARTER ROPE PULLEY												
FIG 12 PULLEY												
12	1	PAOZZ	PAOZZ		PAOZZ		.006	5306-00-050-1238	BOLT,HEX HEAD:STARTE PULLEY (5/16-24 X 3/4) MS90726-32 96906	EA	1	
12	2	PAOZZ	PAOZZ		PAOZZ		.008	5310-00-802-4701	WASHER,PULLEY BOLT,7/8 OD X 3/8 ID X 7/64 THK MS15795-813 96906			
12	3	PAOZZ	PAOZZ		PAOZZ		.005	2990-01-127-7367	PULLEY,ROPE:STARTER 13226E0919 97403	EA	1	
12	4	PAOZZ	PAOZZ		PAOZZ		1.00	2990-00-972-7950	ROPE,STARTER 9786E121-1 97403	EA	1	

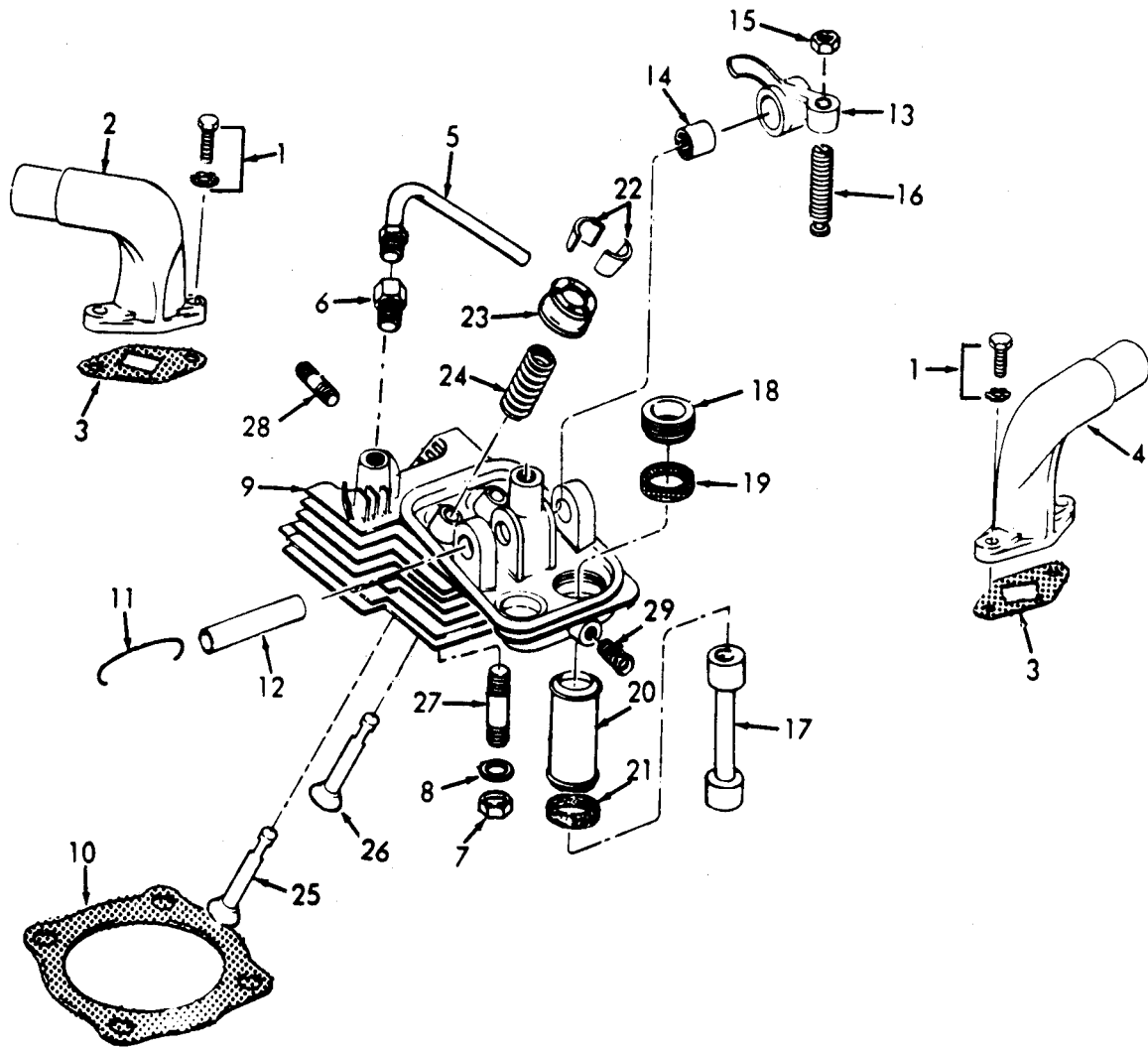


Figure 13. Cylinder Head, Drain Back Tube, and Intake Manifold Adapters.

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a.	b.	a.	b.	c.	d.	a.	b.	NATIONAL	USABLE		QTY	USMC
FIG	ITEM		AIR			REPL	FACTOR	STOCK	ON		INC	QTY
NO.	NO.	ARMY	FORCE	NAVY	USMC	SSI		NUMBER	CODE		IN	PER
									REF NUMBER & MFR CODE	U/M	UNITS	EQUIP
TM9-2805-262-24P NAVFAC P-8-613E-24P TO-38G2-90-14 SL-4-03522C												
GROUP 15 CYLINDER HEAD ASSEMBLY												
FIG 13 CYLINDER HEAD,DRAIN BACK TUBE, AND INTAKE MANIFOLD ADAPTERS												
13	1	PAFZZ	PAFZZ		PAFZZ		.006	5305-00-017-9085	SCREW AND WASHER, ASSEMBLED:INTAKE ADAPTER TO CYLINDER HEAD MTG, 1/4-20 X 3/4 13218E0504-68 97403	EA	8	
13	2	PAFZZ	PAFZZ		PAFZZ		.020	2805-00-103-5322	ADAPTER, INTAKE MANIFOLD: #2 AND 3 CYLINDER HEADS 13206E0203 97403	EA	2	
13	3	PAFZZ	PAFZZ		PAFZZ			5330-00-799-5586	GASKET, INTAKE MANIFOLD (PART OF KIT, P/N 13214E8193 9788E26-4 97403	EA	4	
13	4	PAFZZ	PAFZZ		PAFZZ		.020	2805-00-103-5321	ADAPTER, INTAKE MANIFOLD: #1 AND 4 CYLINDERS HEADS 13206E0204 97403	EA	2	
13	5	PAFZZ	PAFZZ		PAFZZ		.004	4710-00-992-9148	TUBE, DRAIN BACK ASSEMBLY 13206E0060 97403 13218E0135-3 97403	EA	4	
13	6	XDFZZ	XDFZZ		XDFZZ				CONNECTOR,INVERTED FLARE:TUBE TO NPTF 13218E0135-3 97403	EA	4	
13	7	PAFZZ	PAFZZ		PAFZZ		.008	5310-00-857-5559	NUT,SELF-LOCKING:CYLINDER HEAD MTG MS21045L5 96906	EA	16	
13	8	PAFZZ	PAFZZ		PAFZZ		.008	5310-00-363-3995	WASHER,FLAT:CYLINDER HEAD MTG 13214E9380-1 97403	EA	16	
13	9	KBFZZ	KBFZZ		KBFZZ				CYLINDER HEAD ASSEMBLY (PART OF KIT PN 13214E8199) 13215E4181 97403	EA	4	
13	10	PAFZZ	PAFZZ		PAFZZ		.003	5330-00-819-8734	GASKET:CYLINDER HEAD MTG (PART OF KIT,P/N 12314E8193) 9786E107-1 97403	EA	4	
13	11	PAFZZ	PAFZZ		PAFZZ		.007	5340-00-797-5964	CLIP,ROCKER SHAFT 9786E98-1 97403	EA	2	
13	12	PAFZZ	PAFZZ		PAFZZ			3040-00-795-9581	SHAFT,ROCKER ARM 9786E98-3 97403	EA	4	
13	13	PAFZZ	PAFZZ		PAFZZ			2805-01-203-4361	ROCKER ARM ASSEMBLY 9786E101-3 97403	EA	2	
13	14	PAFZZ	PAFZZ		PAFZZ		.024	3110-00-227-4710	BEARING,NEEDLE:ROCKER ARM MS17131-11 96906	EA	2	
13	15	XDFZZ	XDFZZ		XDFZZ				NUT,MACHINE:ROCKER ARM ADJUSTING 13218E0320-32 97403	EA	2	
13	16	XBFZZ	XBFZZ		XBFZZ				SCREW:ADJUSTING VALVE 9786E101-2	EA	2	
13	17	PAFZZ	PAFZZ		PAFZZ		.007	2805-00-788-0425	ROD ASSEMBLY,PUSH 13206E0110 97403	EA	2	
13	18	PAFZZ	PAFZZ		PAFZZ		.008	4730-00-797-4634	SCREW,PACKING,NUT:PUSH ROD HOUSING 9786E93-4 97403	EA	2	
13	19	PAFZZ	PAFZZ		PAFZZ		.03	5330-00-797-3510	PACKING,PUSH ROD:CYLINDER HEAD END (PART OF KIT,P/N 13214E8193) 9786E92-3 97403	EA	2	
13	20	PAFZZ	PAFZZ		PAFZZ		.001	2920-01-146-2920	HOUSING,PUSH ROD 13206E0128 97403	EA	2	
13	21	PAFZZ	PAFZZ		PAFZZ		.03	5330-00-001-4811	PACKING,PUSH ROD HOUSING; CRANKCASE END MS9068-210 96906	EA	2	

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	TM9-2805-262-24P NAVFAC P-8-613E-24P TO-38G2-90-14 SL-4-03522C	(6)	(7)	(8)
a.	b.	a.	b.	c.	d.	a.	b.	(5) DESCRIPTION USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
FIG NO.	ITEM NO.	ARMY	AIR FORCE	NAVY	USMC	SSI	REPL FACTOR	NATIONAL STOCK NUMBER			
13	22	XBFZZ	XBFZZ		XBFZZ					EA	2
								LOCK,RETAINER HALF (PART OF KITS,P/N 13214E8181 AND 13214E8188) 9786E100-2 97403			
13	23	PAFZZ	PAFZZ		PAFZZ		.008	2805-00-522-7386		EA	2
								ROTOR CAP ASSEMBLY (PART OF KITS,P/N 13214E8181 AND 13214E8188) 9786E102 97403			
13	24	PAFZZ	PAFZZ		PAFZZ		.030	5360-00-445-2921		EA	2
								SPRING,VALVE (PART OF KITS,P/N 13214E8181 AND 13214E8188) 9786E98-2 97403			
13	25	KBFZZ	KBFZZ		KBFZZ					EA	1
								VALVE,EXHAUST:(EXHAUST AND INTAKE VALVE FOR CYLINDER HEAD P/N 9786E98, EXHAUST VALVE FOR CYLINDER HEAD P/N 13215E4181) (PART OF KIT,P/N 13214E8181) 9786E100-1 97403			
13	26	KBFZZ	KBFZZ		KBFZZ					EA	1
								VALVE,INTAKE:(INTAKE VALVE FOR CYLINDER HEAD,P/N 13215E4181) (PART OF KIT,P/N 13214E8188) 13214E9382 97403			
13	27	PAFZZ	PAFZZ		PAFZZ		.037	5307-00-445-2912		EA	4
								STUD,SELF-TAPPING:CYLINDER HEAD MOUNTING 9786E98-4 97403			
13	28	PAFZZ	PAFZZ		PAFZZ		.037	5307-00-741-5371		EA	2
								STUD,SELF-TAPPING:MANIFOLD MOUNTING 9786E107-2 97403			
13	29	PAFZZ	PAFZZ		PAFZZ		.03	4730-00-188-3493		EA	4
								PLUG PIPE (PART OF KIT,P/N 13214E8199) MS27769D2 96906			
		PAFZZ	PAFZZ		PAFZZ		.005	2805-00-252-2012			V
								KIT CYLINDER HEAD REPLACEMENT 13214E8199 97403			
								CYLINDER HEAD ASSY (1) 13-9			
								PIPE PLUG (4) 13-29			
		PAFZZ	PAFZZ		PAFAZZ		.027	2805-00-575-3505			V
								KIT,VALVE REPAIR(EXHAUST VALVE REPLACEMENT ON CYLINDER HEAD P/N 13215E4181, (INTAKE AND EXHAUST VALVE REPLACEMENT ON CYLINDER HEAD P/N 9786E98) 13214E8181 97403			
								LOCK,RETAINER (2) 13-22			
								ROTOR CAP ASSY (1) 13-23			
								SPRING,VALVE (1) 13-24			
								VALVE,EXHAUST (1) 13-25			
								(USED AS INTAKE OR EXHAUST VALVE ON CYLINDER HEAD ASSY P/N 9786E98)			
		PAFZZ	PAFZZ		PAFZZ		.027	2805-00-420-7746			V
								KIT,VALVE REPAIR(INTAKE VALVE (REPLACEMENT OF CYLINDER HEAD P/N 13215E4181) 13214E8188 97403			
								LOCK,RETAINER (2) 13-22			
								ROTOR CAP ASSY (1) 13-23			
								SPRING,VALVE (1) 13-24			
								VALVE,INTAKE (1) 31-26			





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3 THRU 13

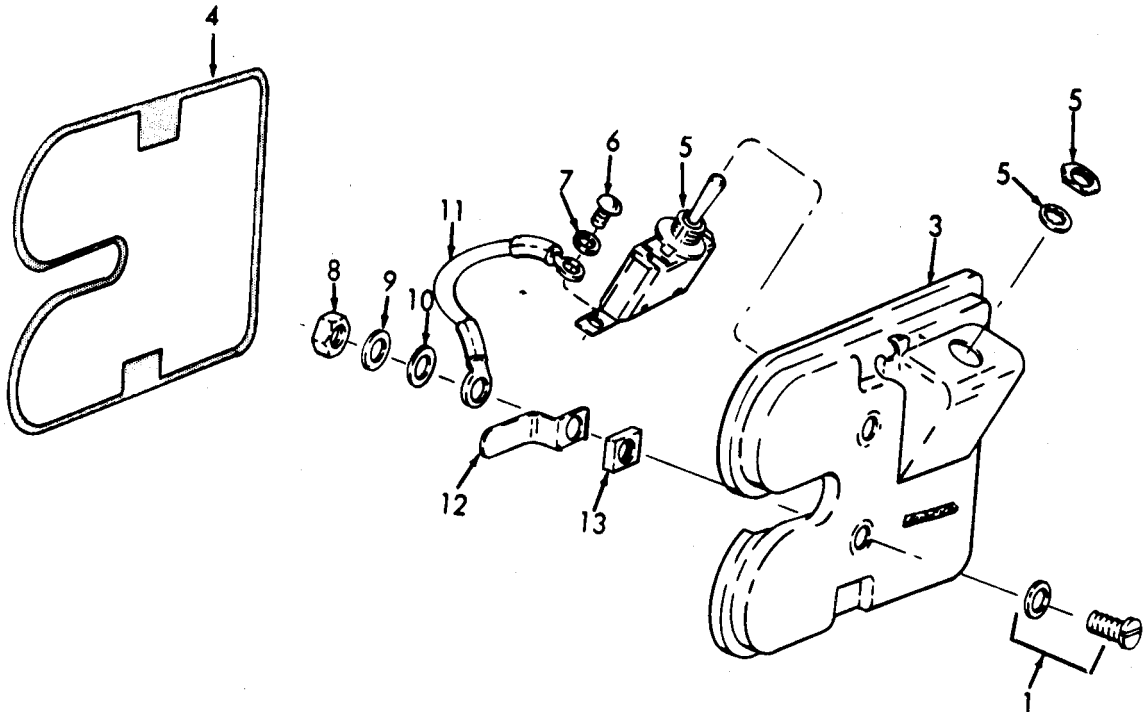


Figure 14. Breaker Point Cover.

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)	
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 16 ELECTRICAL SYSTEM												
FIG 14 BREAKER POINT COVER												
14	1	PAOZZ	PAOZZ		PAOZZ		.008	5305-00-363-3976	SCREW AND WASHER, ASSEMBLED: COIL COVER MTG, 1/4-20 X 5/8 13218E0504-67 97403	EA	4	
14	2	PAOZZ	PAOZZ		PAOZZ		.005	2920-00-111-6427	COVER, BREAKER POINTS ASSEMBLY A,B 13206E0435 97403	EA	1	
14	3	XAOZZ	XAOZZ		XBOZZ				COVER, BREAKER POINTS 13206E0436 97403	EA	1	
14	4	PAOZZ	PAOZZ		PAOZZ			5330-00-103-8793	GASKET, BREAKER POINT COVER (PART OF KIT, P/N 13214E8193) 13206E0434 97403	EA	1	
14	5	PAOZZ	PAOZZ		PAOZZ		.06	5930-00-655-1514	SWITCH, TOGGLE MS35058-22 97403	EA	1	
14	6	PAOZZ	PAOZZ		PAOZZ		.008	5305-00-984-6193	SCREW, MACHINE: CONTACT MOUNTING 8-32 X 1/2 IN. LG MS35206-245 96906	EA	1	
14	7	PAOZZ	PAOZZ		PAOZZ		.008	5330-01-145-5160	WASHER, SELF-SEALING MOUNTING SCREW NAS1523-8Y 80205	EA	1	
14	8	PAOZZ	PAOZZ		PAOZZ		.008	5310-00-934-9757	NUT, MACHINE: CONTACT MOUNTING 13218E0320-248 97403	EA	1	
14	9	PAOZZ	PAOZZ		PAOZZ		.008	5310-00-809-8544	WASHER, PLAIN: CONTACT MOUNTING 11/64 ID X 13/23 OD X 1/16 THK 13206E0444-2 97403 A,B	EA	1	
14	10	XDOZZ	XDOZZ		XDOZZ				WASHER, SWITCH: NONMETALLIC A,B 13214E7062 97403	EA	1	
14	11	XBOZZ	XBOZZ		XBOZZ				LEAD, ELECTRICAL A,B 13206E0433 97403	EA	1	
14	12	PAOZZ	PAOZZ		PAOZZ		.05	5999-00-868-0845	CONTACT, SWITCH A,B 13206E0437 97403	EA	1	
14	13	XBOZZ	XBOZZ		XBOZZ				SLEEVE, SWITCH A,B 13206E0432 97403	EA	1	

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4 THRU 22

15  
16 THRU 22

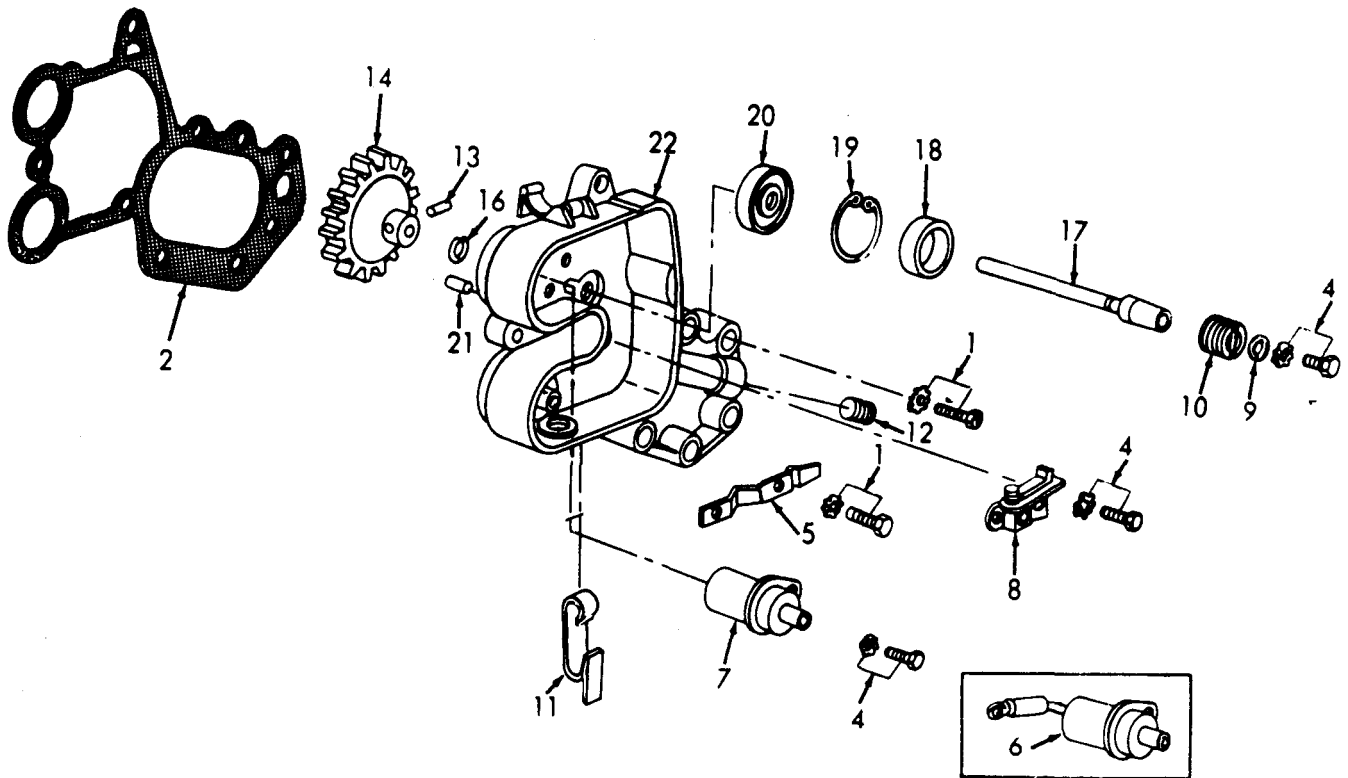


Figure 15. Housing, Breaker Point.

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	TM9-2805-262-24P NAVFAC P-8-613E-24P TO-38G2-90-14 SL-4-03522C (5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 16 ELECTRICAL SYSTEM												
FIG 15 HOUSING,BREAKER POINT												
15	1	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-427-0034	SCREW AND WASHER,ASSEMBLED: BREAKER POINT HOUSING AND OIL PUMP COVER MOUNTING 13218E0504-70 97403	EA	8	
15	2	PAOZZ	PAOZZ		PAFZZ		.09	2990-01-245-6938	GASKET,BREAKER POINT HOUSING, (PART OF KIT,P/N 13214E8193) 13206E0326 97403	EA	1	
15	3	PAOZZ	PAOZZ		PAFZZ		.09	2805-00-484-3463	BREAKER POINT HOUSING ASSEMBLY 13206E0300 97403	EA	1	
15	4	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-363-3984	SCREW AND WASHER,ASSEMBLED: A,B CAPACITOR,CAM AN BREAKER ASSEMBY MOUNTING 13218E0504-32 97403	EA	5	
15	5	PAOZZ	PAOZZ		PAFZZ		.010	2920-00-788-0431	STRIP,JUMPER:BREAKER POINTS A,B TO CAPACITOR 13214E7057 97403	EA	1	
15	6	KFOZZ	KFOZZ		KFFZZ				CAPACITOR,FEED-THRU ASSEMBLY B (PART OF KIT,P/N 13214E8180) 13212E3762-2 97403	EA	1	
15	7	KFOZZ	KFOZZ		KFFZZ				CONDENSER ASSEMBLY(PART OF A KIT,P/N 13214E8178) 9786E69-3 97403	EA	1	
15	8	KFOZZ	KFOZZ	KFFZZ					BREAKER ASSEMBLY (PART OF A,B KIT,P/N 13214E8180 AND 13214E8178) 9786E70 97403	EA	1	
15	9	XBOZZ	XBOZZ		XBFFZZ				WASHER,PLAIN:IGNITION CAM A,B TO LOCKING SCREW 13206E0444-3 97403	EA	1	
15	10	XBOZZ	XBOZZ		XBFFZZ				CAM,IGNITION A,B 13206E0323 97403	EA	1	
15	11	PAOZZ	PAOZZ		PAFZZ		.007	5340-00-797-5966	CLIP,COVER,BREAKER POINT HOUSING 9786E86-1 97403	EA	2	
15	12	PAOZZ	PAOZZ		PAFZZ		.005	4730-00-188-3493	PLUG,PIPE AN932D2 88044	EA	1	
15	13	PAFZZ	PAFZZ		PAFZZ		.008	5315-00-810-3701	PIN,GEAR RETAINING MS16562-36 96906	EA	1	
15	14	PAFZZ	PAFZZ		PAFZZ		.05	3020-00-867-8790	GEAR,SPUR,BREAKER POINTS 13206E0324 97403	EA	1	
15	15	XAFZZ	XAFZZ		XAFZZ				HOUSING,BREAKER POINT AND SHAFT ASSEMBLY 13206E0310 97403	EA	1	
15	16	PAFZZ	PAFZZ		PAFZZ		.008	5365-00-720-8064	RING,RETAINING:BREAKER POINT SHAFT MS16624-1025 96906	EA	1	
15	17	XAFZZ	XAFZZ		XAFZZ				SHAFT,BREAKER POINT DRIVE 13206E0321 97403	EA	1	
15	18	KFFZZ	KFFZZ		KFFZZ				SEAL,OIL:BREAKER POINT SHAFT (PART OF KIT, P/N 13214E8204) 13206E0322 97403	EA	1	
15	19	PAFZZ	PAFZZ		PAFZZ		.008	5365-00-807-7968	RING,RETAINING:BREAKER POINT SHAFT BEARING MS16625-3068 96906	EA	1	
15	20	PAFZZ	PAFZZ		PAFZZ		.024	3110-01-206-6608	BEARING,ROLLER: BREAKER POINT SHAFT 13206E1442 97403	EA	1	

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)	
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
15	21	PAFZZ	PAFZZ		PAFZZ		.008	5315-00-821-1225	PIN,HEADLESS BREAKER POINT HOUSING ALIGN MS16555-329 96906	EA	1	
15	22	XAFZZ	XAFZZ		XAFZZ				HOUSING,BREAKER POINT 13206E0311 97403	EA	1	
		PAOZZ	PAOZZ		PAFZZ		.08	2920-00-225-4841	KIT,IGNITION,REPAIR A 13214E8180 97403			V
									CAPACITOR,FEED-THRU ASSEMBLY (1) 15-6			
									BREAKER ASSEMBLY (1) 15-8			
		PAOZZ	PAOZZ		PAOZZ			2920-00-575-3504	KIT,IGNITION,REPAIR B 13214E8178 97403			V
									CONDENSER (1) 15-7			
									BREAKER ASSEMBLY (1) 15-8			



4  
5 THRU 11

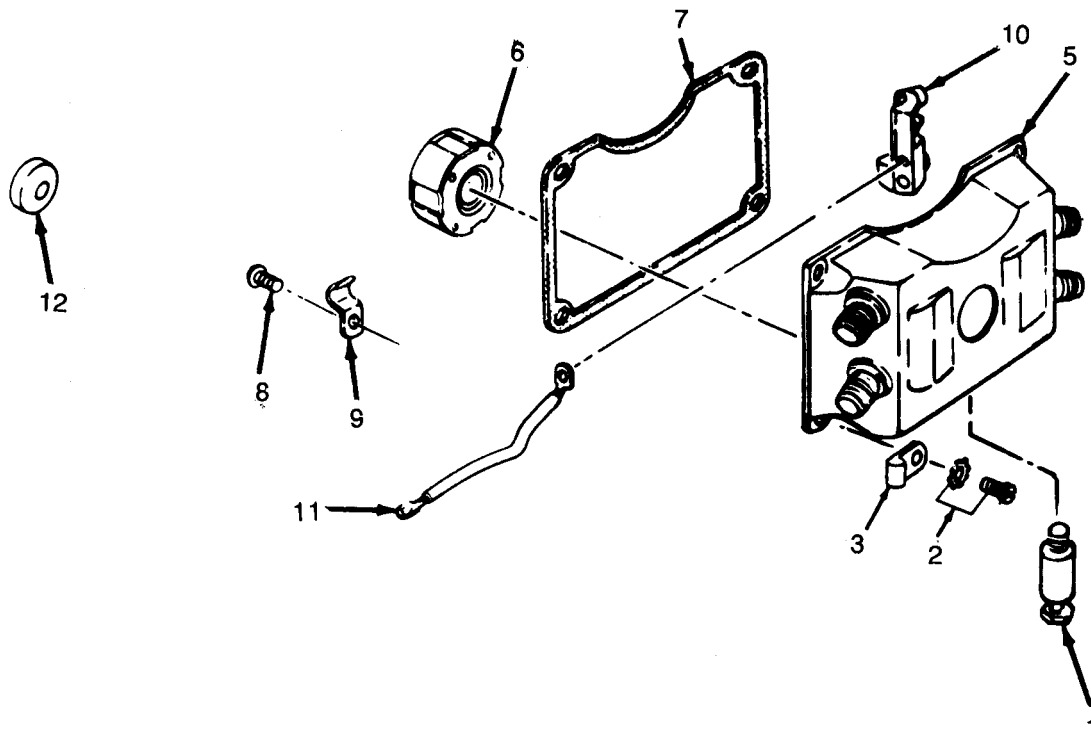


Figure 16. Coil Cover



TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)	
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 16 ELECTRICAL SYSTEM												
FIG 16 COIL COVER												
16	1	PAOZZ	PAOZZ		PAFZZ		.004	2920-00-788-0432	NOISE FILTER ASSEMBLY A,B 13212E3763 97403	EA	2	
16	2	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-363-3976	SCREW AND WASHER ASSEMBLED:COIL COVER MOUNTING 13218E0504-67 97403	EA	4	
16	3	PAOZZ	PAOZZ		PAFZZ		.007	5340-00-867-8799	CLAMP,LOOP,ALUMINUM MS9354-02 96906	EA	2	
16	4	KFOZZ	KFOZZ		KFFZZ				COVER COIL ASSEMBLY A,B (PART OF KIT,P/N 13214E8179) 13206E0330 97403	EA	1	
16	5	KFOZZ	KFOZZ		KFFZZ				COVER,COIL SUB-ASSEMBLY A,B (PART OF KIT,P/N 13214E8179) 13206E0331 97403	EA	1	
16	6	PAFZZ	PAFZZ		PAFZZ			2805-00-797-5894	MAGNET,ROTATING A,B 9786E115 97403	EA	1	
16	7	PAOZZ	PAOZZ		PAFZZ			5330-00-867-8795	GASKET,COIL COVER A,B (PART OF KIT,P/N 13214E8179) 13206E0336 97403	EA	1	
16	8	PAOZZ	PAOZZ		PAFZZ			5305-00-253-5622	SCREW,DRIVE:ROUND HEAD A,B (PART OF KIT,P/N 13214E8179) MS21318-41 97403	EA	2	
16	9	KFOZZ	KFOZZ		KFFZZ				CLIP,CABLE A,B (PART OF KIT,P/N 13214E8199) 13206E0334 97403	EA	2	
16	10	PAOZZ	PAOZZ		PAFZZ			5970-00-465-1592	INSULATOR,HIGH TENSION LOAD A,B (PART OF KIT,P/N 13214E8179) 13206E0333 97403	EA	2	
16	11	PAOZZ	PAOZZ		PAFZZ			5995-00-867-8793	CABLE,HIGH TENSION A,B (PART OF KIT,P/N 13214E8179) 13206E0340 97403	EA	2	
16	12	XDOZZ	XDOZZ		XDOZZ				CAP-PUG:PROTECTIVE TYPE 1,SIZE 7 A (REF MIL-C-52078)81349	EA	2	
		PAOZZ	PAOZZ		PAOZZ			2920-00-115-0131	KIT,COIL COVER 13214E8179 97403			V
COVER,COIL ASSY (1) 16-4												
COVER,COIL,SUB-ASSY (1) 16-5												
GASKET,COIL COVER (1) 16-7												
SCREW,DRIVE:ROUND HEAD (2) 16-8												
CLIP,CABLE (2) 16-9												
INSULATOR,HIGH TENSION (2) 16-10												
CABLE,HIGH TENSION (2) 16-11												

1  
2 thru 16

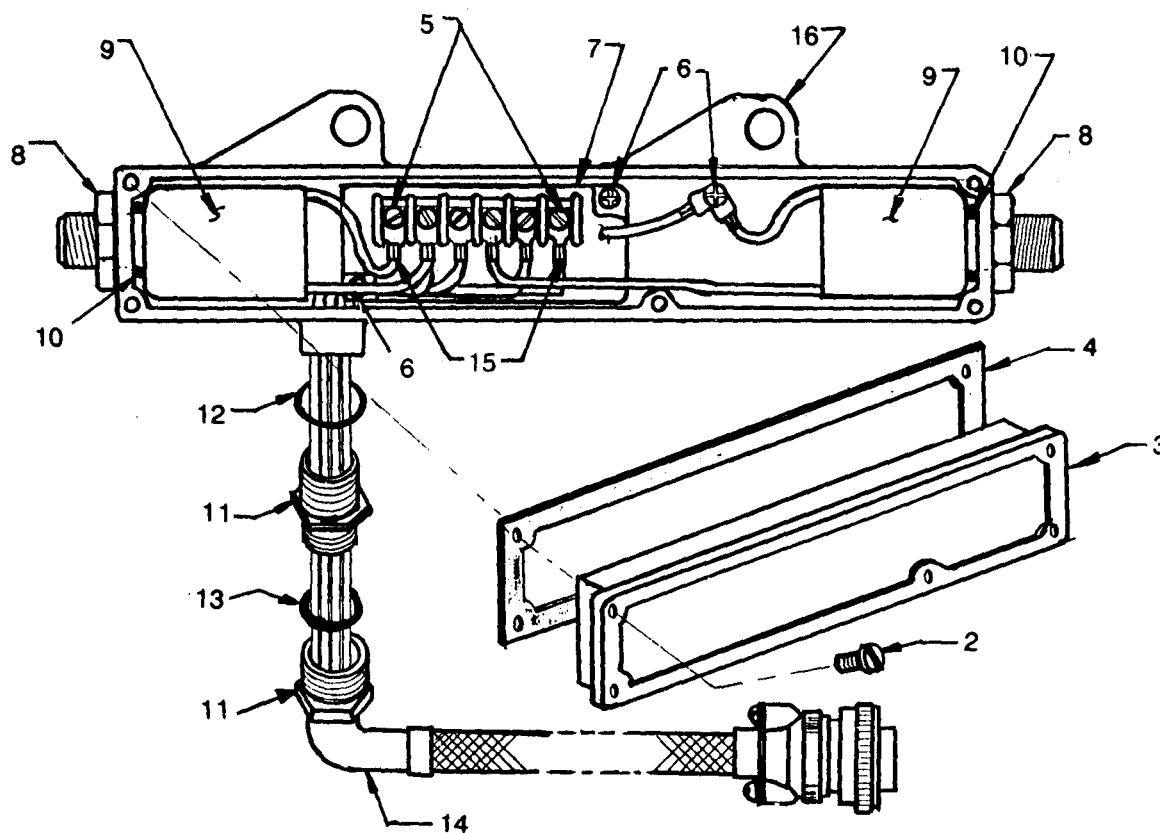


Figure 17. Breakerless Ignition—Left Side (Sheet 1 of 5)

17  
[18 thru 32]

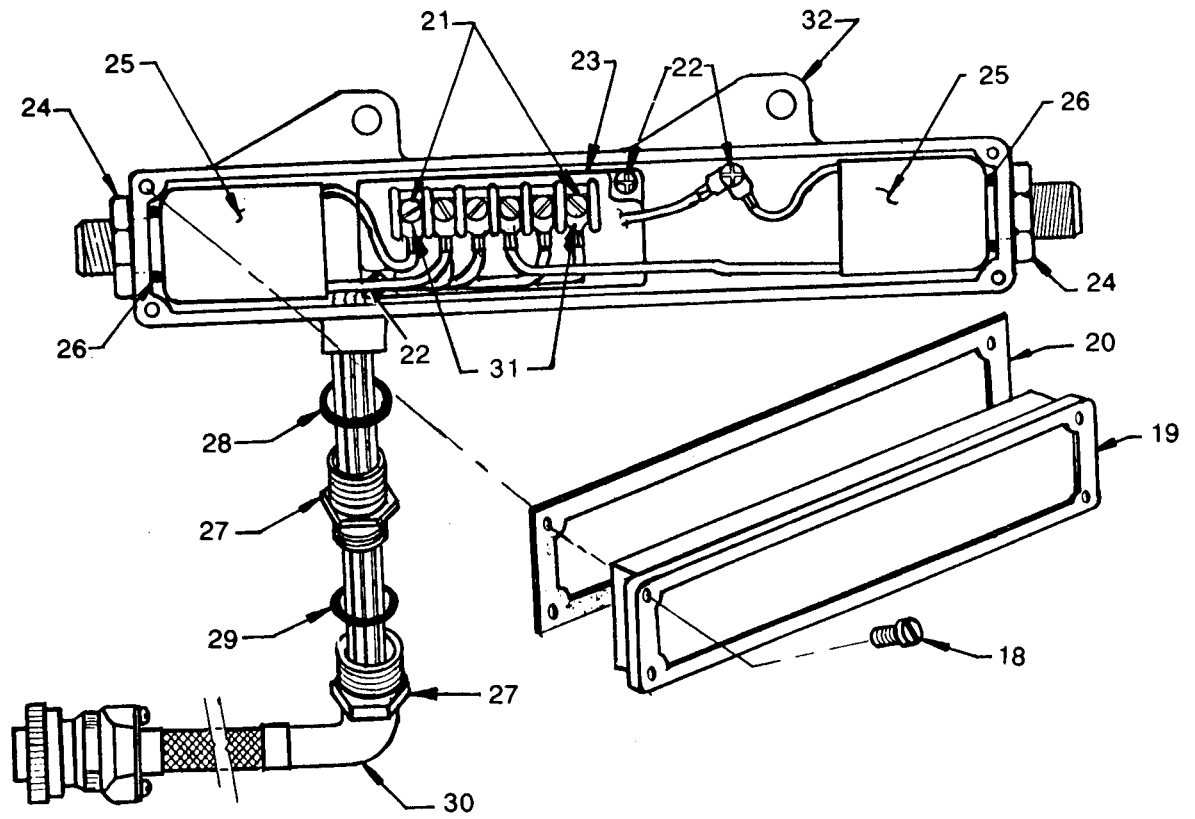


Figure 17. Breakerless Ignition—Right Side (Sheet 2 of 5)

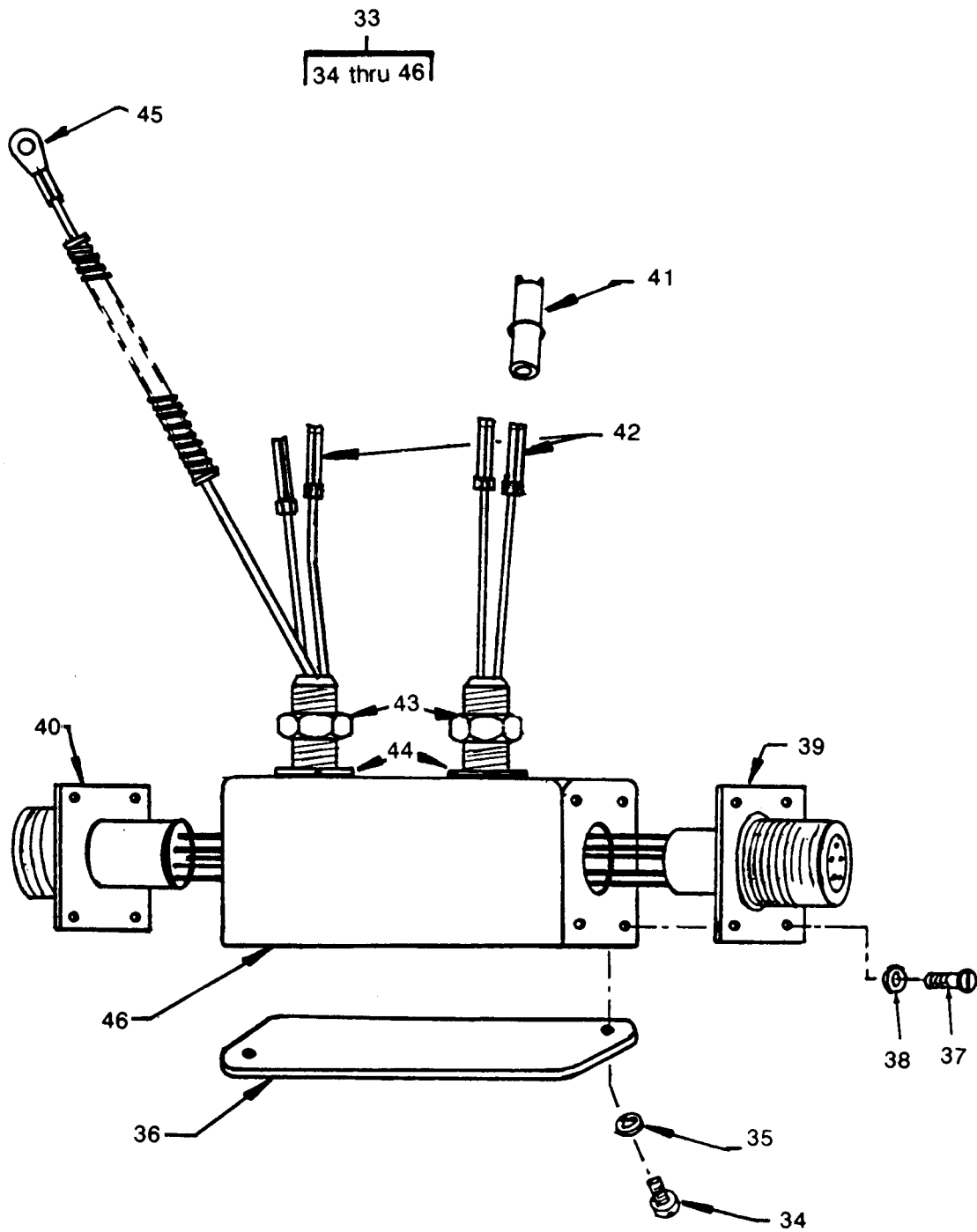


Figure 17. Breakerless Ignition-Junction Box (Sheet 3 of 5)

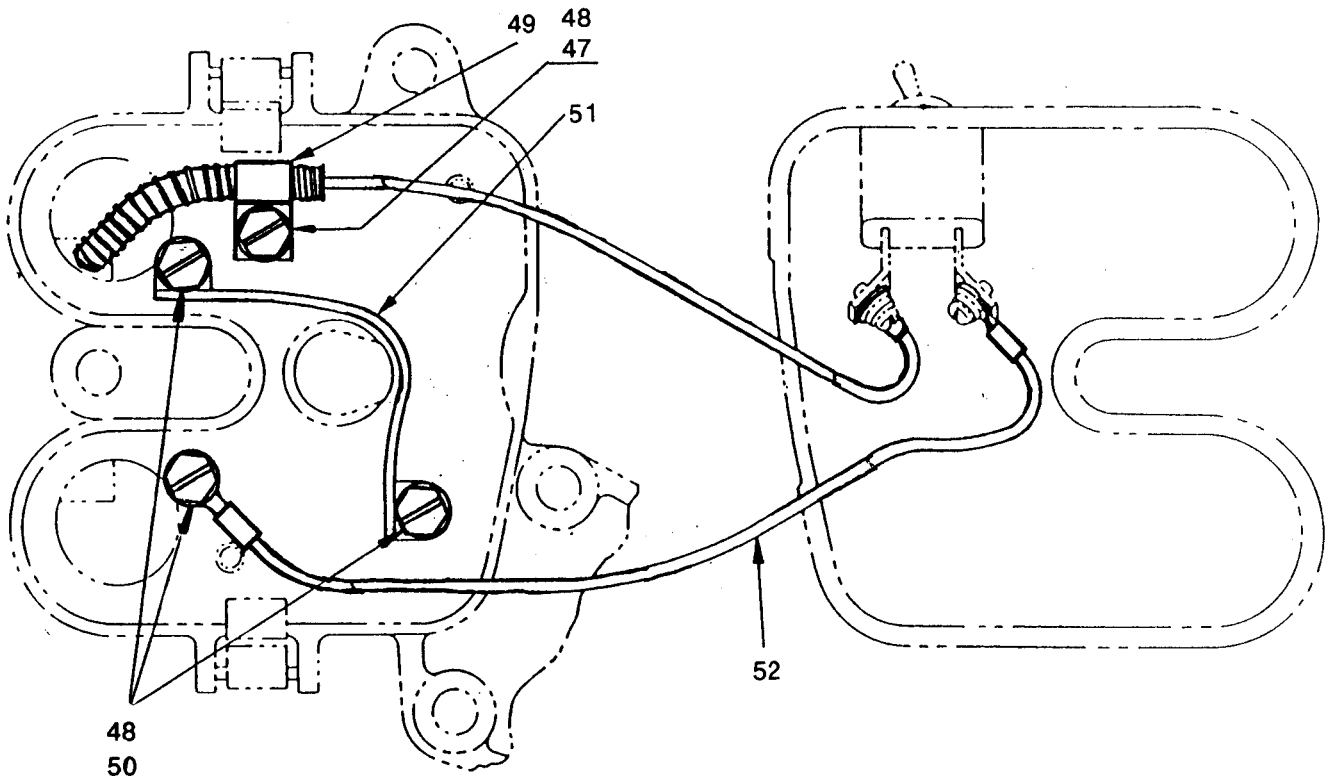


Figure 17. Breakerless Ignition (Sheet 4 of 5)

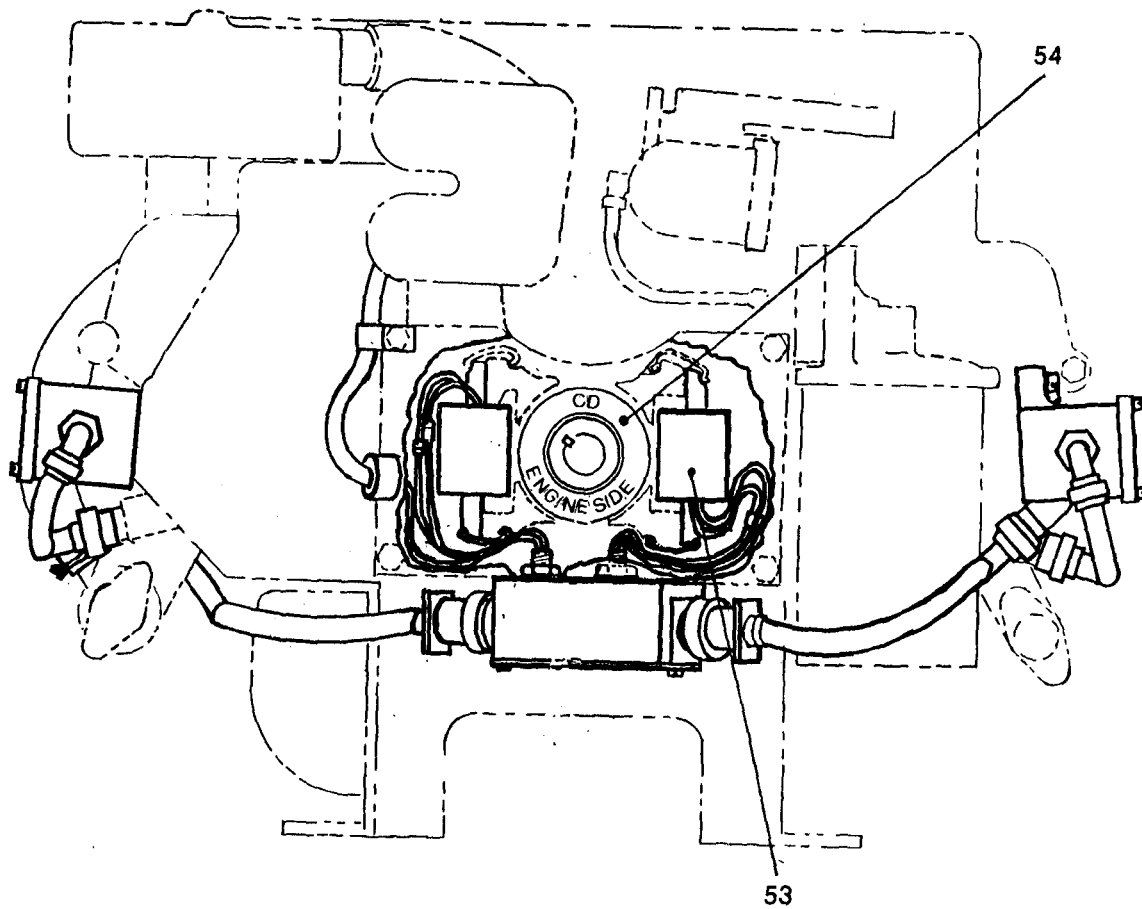


Figure 17. Breakerless Ignition (Sheet 5 of 5)

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	TM9-2805-262-24P NAVFAC P-8-613E-24P TO-38G2-90-14 SL-4-03522C (5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
									GROUP 16 ELECTRICAL SYSTEM			
									FIG 17 BREAKERLESS IGNITION			
17		PAFZZ	PAFZZ		PAFZZ			2920-01-123-2562	IGNITION KIT, BRAKERLESS SYSTEM 13226E1228 97403	EA	1	
17	1	PAOZZ	PAOZZ		PAOZZ			2920-01-138-9885	CONTROL UNIT, IGNITION LEFT HAND SIDE 13226E1600 97403	EA	1	
17	2	PAOZZ	PAOZZ		PAOZZ			5305-00-956-4470	SCREW, MACHINE NO. 8-32 X .50 MS3212-25 96906	EA	4	
17	3	XAOZZ	XAOZZ		XAOZ				COVER, IGNITION ENCLOSURE 13226E1649-3 97403	EA	1	
17	4	PAOZZ	PAOZZ		PAOZZ			5330-01-143-6920	GASKET 13226E1637-3 97403	EA	1	
17	5	PAOZZ	PAOZZ		PAOZZ			5305-00-984-4983	SCREW, PAN HEAD NO. 6-32 X .25 MS35206-226 96906	EA	6	
17	6	PAOZZ	PAOZZ		PAOZZ			5305-00-984-4984	SCREW, MACHINE, NO. 6-32 X .312 MS35206-227 96906	EA	3	
17	7	PAOZZ	PAOZZ		PAOZZ			2920-01-137-6822	ELECTRONIC MODULE 13226E1633 97403	EA	1	
17	8	PAOZZ	PAOZZ		PAOZZ			5310-01-137-5497	NUT, TRANSFORMER 13226E1613 97403	EA	2	
17	9	PAOZZ	PAOZZ		PAOZZ			6120-01-137-5498	TRANSFORMER, IGNITION 13226E1632 97403	EA	2	
17	10	PAOZZ	PAOZZ		PAOZZ			5330-00-551-8441	PACKING, PREFORMED MS28775-019 96906	EA	2	
17	11	XAOZZ	XAOZZ		XAOZZ				ADAPTER, THREADED 13226E1614 97403	EA	1	
17	12	PAOZZ	PAOZZ		PAOZZ			5330-00-684-3420	PACKING, PREFORMED MS28775-013 96906	EA	1	
17	13	PAOZZ	PAOZZ		PAOZZ			5330-00-584-0265	PACKING, PREFORMED MS28775-012 96906	EA	1	
17	14	PAOZZ	PAOZZ		PAOZZ			2920-01-137-5495	CABLE, LOW VOLTAGE 13226E1602 97403	EA	1	
17	15	PAOZZ	PAOZZ		PAOZZ			5940-00-269-3514	TERMINAL LUG, SLOTTED 13226E1618-2 97403	EA	8	
17	16	XAOZZ	XAOZZ		XAOZZ				ENCLOSURE, CONTROL UNIT 13226E1646 97403	EA	1	
17	17	PAOZZ	PAOZZ		PAOZZ			2920-01-137-5493	CONTROL UNIT IGNITION RIGHT HAND SIDE 13226E1595 97403	EA	1	
17	18	PAOZZ	PAOZZ		PAOZZ			5305-00-956-4470	SCREW, MACHINE, NO. 8-32 X .50 MS3212-25 96906	EA	4	
17	19	XAOZZ	XOAZZ		XAOZZ				COVER, IGNITION, ENCLOSURE 13226E1649-1 97403	EA	1	
17	20	PAOZZ	PAOZZ		PAOZZ			5330-01-143-6919	GASKET 13226E1637-2 97403	EA	1	
17	21	PAOZZ	PAOZZ		PAOZZ			5305-00-984-4983	SCREW, PAN HEAD, NO. 6-32 X .25 MS35206-226 96906	EA	6	
17	22	PAOZZ	PAOZZ		PAOZZ			5305-00-984-4984	SCREW, MACHINE NO. 6-32 X .312 MS35206-227 96906	EA	3	
17	23	PAOZZ	PAOZZ		PAOZZ			2920-01-137-6822	ELECTRONIC, MODULE 13226E1633 97403	EA	1	

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	TM9-2805-262-24P NAVFAC P-8-613E-24P TO-38G2-90-14 SL-4-03522C (5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 16 ELECTRICAL SYSTEM												
FIG 17 BREAKERLESS IGNITION (CONT)												
17	24	PAOZZ	PAOZZ		PAOZZ			5310-01-137-5497	NUT, TRANSFORMER 13226E1613 97403	EA	2	
17	25	PAOZZ	PAOZZ		PAOZZ			6120-01-137-5498	TRANSFORMER, IGNITION 13226E1632 97403	EA	1	
17	26	PAOZZ	PAOZZ		PAOZZ			5330-00-551-8441	PACKING, PREFORMED MS28775-019 96906	EA	2	
17	27	XAOZZ	XAOZZ		XAOZZ				ADAPTER, THREAD 13226E1614 97403	EA	1	
17	28	PAOZZ	PAOZZ		PAOZZ			5330-00-684-3420	PACKING, PREFORMED MS28775-013 96906	EA	1	
17	29	PAOZZ	PAOZZ		PAOZZ			5330-00-584-0265	PACKING, PREFORMED MS28775-012 96906	EA	1	
17	30	PAOZZ	PAOZZ		PAOZZ			2920-01-137-5495	CABLE, LOW VOLTAGE 13226E1602 97403	EA	1	
17	31	PAOZZ	PAOZZ		PAOZZ			5940-00-269-3514	TERMINAL, LUG, SLOTTED 13226E1618-2 97403	EA	8	
17	32	XAOZZ	XAOZZ		XAOZZ				ENCLOSURE, CONTROL UNIT 13226E1611 97403	EA	1	
17	33	PAOZZ	PAOZZ		PAOZZ			5975-01-137-5673	JUNCTION BOX ASSEMBLY 13226E1605 97403	EA	1	
17	34	PAOZZ	PAOZZ		PAOZZ			5305-00-984-6191	SCREW, MACHINE NO. 8-32 X .375 MS35206-243 96906	EA	2	
17	35	PAOZZ	PAOZZ		PAOZZ			5310-00-559-0070	WASHER, LOCK NO. 8 MS35333-38 96906	EA	2	
17	36	XAOZZ	XAOZZ		XAOZZ				COVER JUNCTION BOX 13226E1617 97403	EA	1	
17	37	PAOZZ	PAOZZ		PAOZZ			5305-00-984-4984	SCREW, MACHINE NO. 6-32 X .312 MS35206-227 96906	EA	8	
17	38	PAOZZ	PAOZZ		PAOZZ			5310-00-579-0079	WASHER, LOCK NO. 6 MS35333-37 96906	EA	8	
17	39	XAOZZ	XAOZZ		XAOZZ				CONNECTOR ASSEMBLY 13226E1615-1 97403	EA	1	
17	40	XAOZZ	XAOZZ		XAOZZ				CONNECTOR ASSEMBLY 13226E1615-2 97403	EA	1	
17	41	PAOZZ	PAOZZ		PAOZZ			5935-00-106-7084	SOCKET, HOUSING, ELECTRICAL 13226E1607-1 97403	EA	4	
17	42	PAOZZ	PAOZZ		PAOZZ			5999-00-738-6490	SOCKET, ELECTRICAL 13226E1609-5 97403	EA	4	
17	43	PAOZZ	PAOZZ		PAOZZ			5310-00-880-7746	NUT, PLAIN, HEX 5/16-24 MS51968-5 96906	EA	2	
17	44	PAOZZ	PAOZZ		PAOZZ			5310-00-167-0721	WASHER, LOCK 5/16 MS35333-41 96906	EA	2	
17	45	PAOZZ	PAOZZ		PAOZZ			5940-00-813-0698	TERMINAL, LUG MS25036-101 96906	EA	1	
17	46	XAOZZ	XAOZZ		XAOZZ				JUNCTION BOX 13226E1639 97403	EA	1	
17	47	PAOZZ	PAOZZ		PAOZZ			5305-00-211-8193	SCREW, MACHINE, NO. 8-32 X .5 C,D MS51849-54 96906	EA	1	
17	48	PAOZZ	PAOZZ		PAOZZ			5310-00-559-0070	WASHER, LOCK, NO. 8 C,D MS35333-38 96906	EA	4	



TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 16 ELECTRICAL SYSTEM												
FIG 17 BREAKERLESS IGNITION (CONT)												
17	49	PAOZZ	PAOZZ		PAOZZ			5340-00-943-6041	CLAMP, LOOP, .250 DIA (PLASTIC) C.D. MS25281-F4 97403	EA	1	
17	50	PAOZZ	PAOZZ		PAOZZ				SCREW, MACHINE, NO.8-32X5/16 C.D.  13218E0526-44 97403	EA	3	
17	51	XDOZZ	XDOZZ		XDOZZ				SHIELD, CAM C.D 13226E2234 97403	EA	1	
17	52	PAOZZ	PAOZZ		PAOZZ			5995-01-137-5494	CONNECTOR, SWITCH, WIRE C.D 13226E0933 97403	EA	1	
17	53	PAOZZ	PAOZZ		PAOZZ			2920-01-131-8253	COIL C.D 13226E0929 97403	EA	2	
17	54	PAOZZ	PAOZZ		PAOZZ			2920-01-133-6312	MAGNET, ROTATING C.D 13226E0939 97403	EA	1	

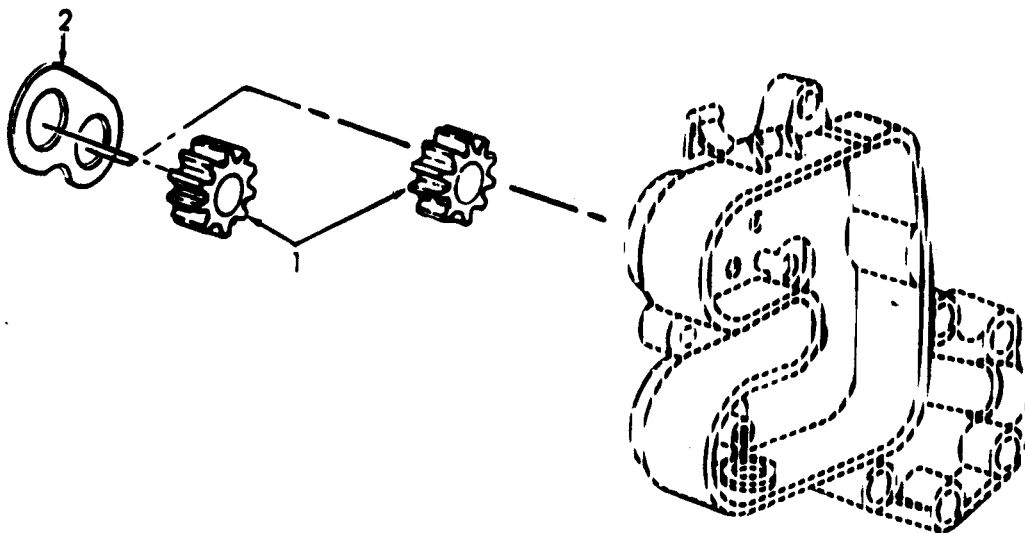


Figure 18. Oil Pump Gear and Wear Plate.

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
									GROUP 17 OIL PUMP ASSEMBLY			
									FIG 18 OIL PUMP GEARS AND WEAR PLATE			
18	1	KBFZZ	KBFZZ		KFFZZ				GEAR,OIL PUMP (PART OF KIT, P/N 13214E8202) 13206E0152 97403	EA	2	
18	2	KBFZZ	KBFZZ		KFFZZ				PLATE,OIL PUMP (PART OF KIT,P/N 13214E8202) 13215E4179 97403	EA	1	
		PAFZZ	PAFZZ		PAFZZ			2805-00-867-8777	KIT,OIL PUMP REPAIR 13214E8202 97403			V
									GEAR, OIL PUMP (2) 17-1			
									PLATE OIL PUMP (1) 17-2			

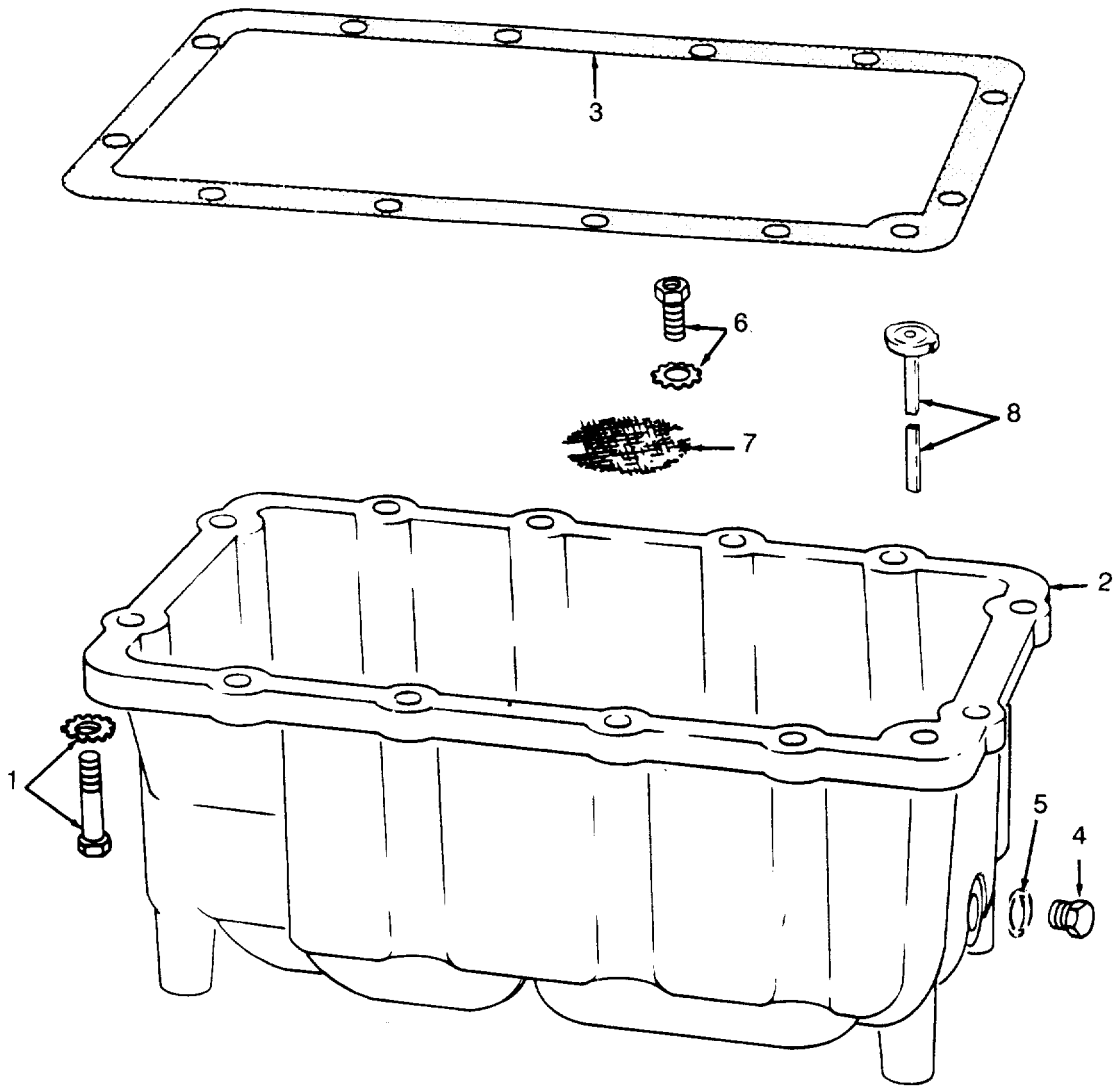


Figure 19. Oil Pan.

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)	
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 18 OIL PAN ASSEMBLY												
FIG 19 OIL PAN												
19	1	PAFZZ	PAFZZ		PAFZZ		.008	5305-00-427-0034	SCREW AND WASHER, ASSEMBLED: OIL PAN MTG, 1/4-20 X 1 IN. 13218E0504-70 97403	EA	12	
19	2	PAFZZ	PAFZZ		PAFZZ		.005	2805-00-867-8740	PAN ASSEMBLY, OIL 13206E0031 97403	EA	1	
19	3	KFFZZ	KFFZZ		KFFZZ		.04		GASKET, OIL PAN (PART OF KIT, P/N 13214E8193) 13206E0037 97403	EA	1	
19	4	PAOZZ	PAOZZ		PAOZZ		.003	4730-00-788-0441	PLUG, OIL DRAIN, MAGNETIC 13214E9570 97403	EA	2	
19	5	PAOZZ	PAOZZ		PAOZZ		.030	5330-00-977-7933	SEAL, SPECIAL 13215E3857-14 97403	EA	2	
19	6	PAFZZ	PAFZZ		PAFZZ		.008	5305-00-363-3984	SCREW AND WASHER, ASSEMBLED: OIL PAN SCREEN MTG 13218E0504-32 97403	EA	2	
19	7	XBFZZ	XBFZZ		XBFZZ				SCREEN, OIL PAN 13206E0035 97403	EA	1	
19	8	PAOZZ	PAOZZ		PAOZZ		.010	6680-00-867-8782	ROD ASSEMBLY, OIL GAGE 13206E0050 97403	EA	1	

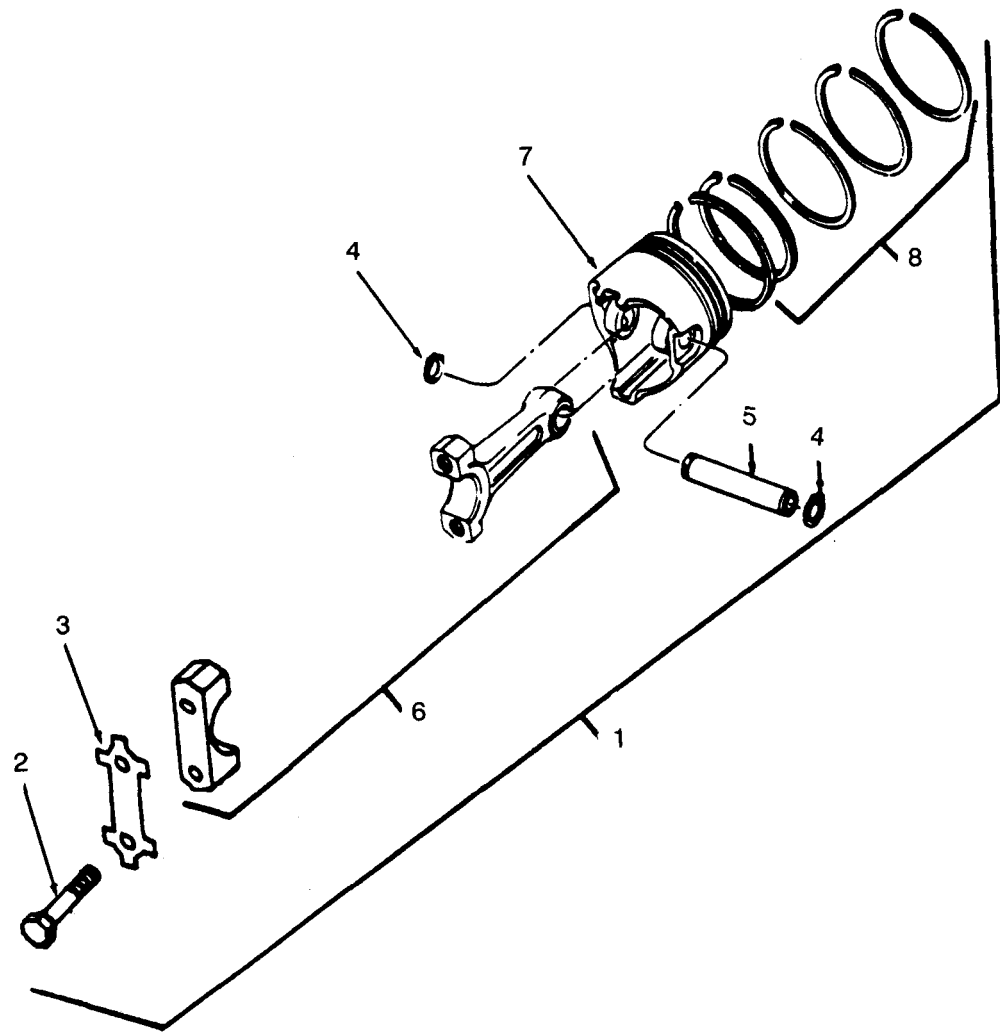


Figure 20. Piston and Connecting Rod Assembly.

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
								GROUP 19 PISTON AND CONNECTING ROD ASSEMBLY			
								FIG 20 PISTON, RINGS AND CONNECTING ROD			
20	1	KFFZZ	KFFZZ		KFFZZ			PISTON AND CONNECTING ROD ASSEMBLY (PART OF KIT, P/N 13214E8191) 13214E7064 97403	EA	1	
20	2	KFFZZ	KFFZZ		KFFZZ			BOLT, CONNECTING ROD (PART OF KIT, P/N 13214E8191) 9786E113-3 97403	EA	2	
20	3	PAFZZ	PAFZZ		PAFZZ		.010	5340-00-439-8166	EA	1	
20	4	PAFZZ	PAFZZ		PAFZZ		.030		EA	2	
20	5	KFFZZ	KFFZZ		KFFZZ			LOCKWASHER, TAB 9786E113-2 97403	EA	1	
20	6	KFFZZ	KFFZZ		KFFZZ			RING, RETAINING MS16624-3040 96906	EA	2	
20	7	KFFZZ	KFFZZ		KFFZZ			PIN, PISTON, GROOVED (PART OF KIT, P/N 13214E8191) 9786E111-2 97403	EA	1	
20	8	KFFZZ	KFFZZ		KFFZZ			CONNECTING ROD AND CAP (PART OF KIT, P/N 132014E8191) 9786E112 97403	EA	1	
20	8	PAFZZ	PAFZZ		PAFZZ		.09	2805-01-093-2392	EA	1	
		PAFZZ	PAFZZ		PAFZZ		.09	2805-00-937-0949			V
								KIT, PISTON AND CONNECTING ROD ASSEMBLY 13214E8191 97403			
								PISTON AND CONNECTING ROD ASSEMBLY (1) 20-1			
								BOLT, CONNECTING ROD (2) 20-2			
								PIN, PISTON, GROOVED (1) 20-5			
								CONNECTING ROD AND CAP (1) 20-6			
								PISTON, 2 1/4 IN DIA (1) 20-7			

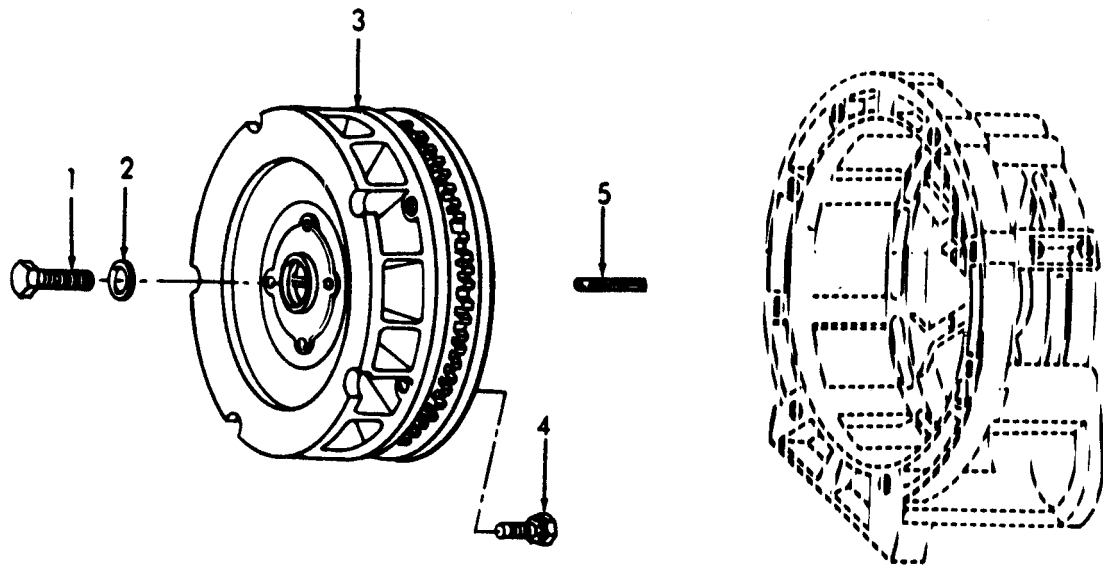


Figure 21. Flywheel Fan.



TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
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 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 20 FLYWHEEL												
FIG 21 FLYWHEEL FAN												
21	1	PAFZZ	PAFZZ		PAFZZ		.008	5305-00-761-4227	BOLT, HEX HEAD: FLYWHEEL MTG. 1/2-20 X 1 1/4 IN. 13218E0528-722 97403	EA	1	
21	2	PAFZZ	PAFZZ		PAFZZ		.010	5310-01-306-2354	WASHER, FLAT: FLYWHEEL MTG BOLT 1 3/32 OD X 17/13 ID X 5/32 13214E9380-3 97403	EA	1	
21	3	PAFZZ	PAFZZ		PAFZZ		.007	2930-00-939-6719	FAN ASSEMBLY, FLYWHEEL 13206E0260 97403	EA	1	
21	4	PAFZZ	PAFZZ		PAFZZ		.008	5305-00-017-9085	SCREW AND WASHER, ASSEMBLED: FAN GEAR RETAINING RING MTG 13218E0504-68 97403	EA	5	
21	5	PAFZZ	PAFZZ		PAFZZ		.02	5315-00-043-1787	KEY, WOODRUFF, FLYWHEEL TO CRANKSHAFT MS35756-34	EA	1	

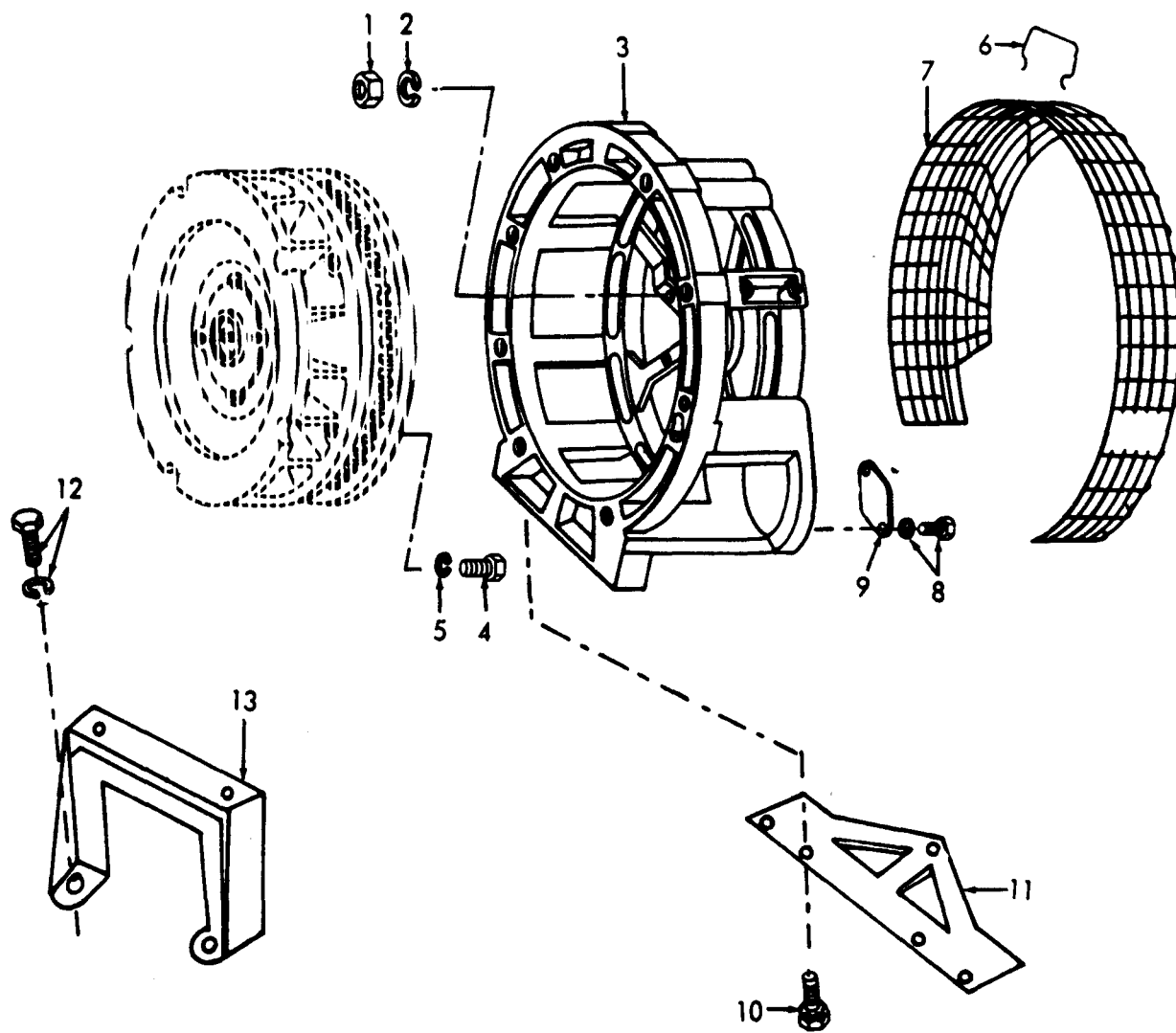


Figure 22. Flywheel Housing and Engine Mounting Brackets.

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE			(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)	
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 21 FLYWHEEL HOUSING AND PROTECTIVE SCREEN												
FIG 22 FLYWHEEL HOUSING AND ENGINE MOUNTING BRACKETS												
22	1	PAFZZ	PAFZZ		PAFZZ		.008	5310-00-857-5559	NUT, SELF-LOCKING: FAN HOUSING MTG MS21045L5 96906	EA	4	
22	2	PAFZZ	PAFZZ		PAFZZ		.008	5310-00-363-3995	WASHER, FLAT: FAN HOUSING MTG 13214E9380-1 97403	EA	4	
22	3	XBFZZ	XBFZZ		XBFZZ				HOUSING ASSEMBLY, FAN 13206E0270 97403	EA	1	
22	4	PAFZZ	PAFZZ		PAFZZ		.008	5305-00-017-9085	SCREW AND WASHER, ASSEMBLED: FAN HOUSING SCREEN MTG 13218E0504-68 97403	EA	5	
22	5	XBFZZ	XBFZZ		XBFZZ				WASHER, FLAT HOUSING SCREEN MTG BOLT 13206E0444-6 97403	EA	5	
22	6	XBFZZ	XBFZZ		XBFZZ		.04		SPRING, SCREEN RETAINING 13206E0458 97403	EA	4	
22	7	PAFZZ	PAFZZ		PAFZZ			2805-00-103-5323	SCREEN, FAN HOUSING 13206E0457 97403	EA	1	
22	8	PAOZZ	PAOZZ		PAFZZ		.008	5305-00-427-0009	SCREW AND WASHER, ASSEMBLED: COVER, STARTER HOUSING MTG, 5/16-18 X 3/4 13218E0504-78 97403	EA	2	
22	9	XBOZZ	XBOZZ		XBFZZ				COVER, STARTER HOUSING 13214E7050 97403	EA	1	
22	10	PAFZZ	PAFZZ		PAFZZ		.008	5305-00-431-8012	SCREW AND WASHER, ASSEMBLED: REAR ENGINE MOUNT MTG 13218E0512-68 97403	EA	3	
22	11	XBFZZ	XBFZZ		XBFZZ				BRACKET, ENGINE MOUNT, REAR 13206E0451 97403	EA	1	
22	12	PAOZZ	PAOZZ		PAOZZ		.008	5305-00-427-0009	SCREW AND WASHER ASSEMBLED: FRONT, ENGINE MTG BRACKET 13218E0504-78 97403	EA	4	
22	13	PAOZZ	PAOZZ		PAOZZ			5340-01-147-6596	BRACKET, ENGINE MOUNTING: FRONT 13206E0452 97403	EA	1	

6  
7 THRU 22

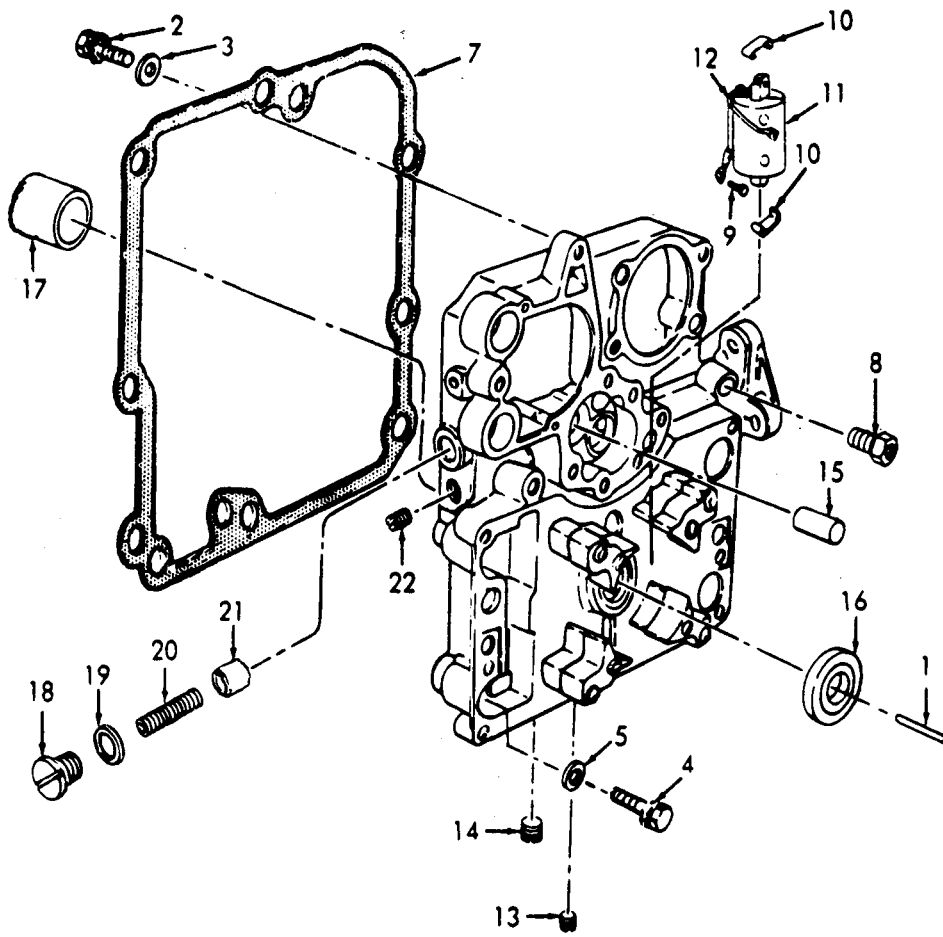


Figure 23. End Cover Assembly.

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	TM9-2805-262-24P NAVFAC P-8-613E-24P TO-38G2-90-14 SL-4-03522C	(6)	(7)	(8)
a.	b.	a.	b.	c.	d.	a.	b.	NATIONAL STOCK NUMBER	(5) DESCRIPTION USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
FIG NO.	ITEM NO.	ARMY	AIR FORCE	NAVY	USMC	SSI	REPL FACTOR					
									GROUP 22 END COVER			
									FIG 22 END COVER ASSEMBLY			
23	1	PAFZZ	PAFZZ		PAFZZ				KEY, MACHINE, SQUARE: STARTER PULLEY AND ROTATING MAGNET, 1/8 X 1/8 X 1 1/2 MS20066-126	EA	1	
23	2	PAHZZ	PAHZZ		PAHZZ		.008	5305-00-731-5073	SCREW AND WASHER, ASSEMBLED: END COVER MTG 13206E0149 97403	EA	5	
23	3	PAHZZ	PAHZZ		PAHZZ		.008	5310-00-081-4219	WASHER, FLAT: END COVER MTG BOLTS MS27183-12 96906	EA	5	
23	4	PAHZZ	PAHZZ		PAFZZ			5306-00-226-4828	SCREW, MACHINE: END COVER MTG. 5/16-18 X 1 1/8 MS90728-35 96906	EA	1	
23	5	PAHZZ	PAHZZ		PAFZZ		.008	5330-01-145-5162	WASHER, SEALING: END COVER MTG BOLT NAS1523-5Y 80205	EA	1	
23	6	PAHHH	PAHHH		PAFZZ		.005	5340-01-316-9213	COVER END ASSEMBLY 13226E0945 97403	EA	1	
23	7	PAHZZ	PAHZZ		PAFZZ			5330-00-438-1492	GASKET, END COVER MOUNTING (PART OF KIT, P/N 13214E8193) 13206E0148 97403	EA	1	
23	8	XDOZZ	XDOZZ		XDFZZ				CONNECTOR, GOVERNOR LUBE TUBE 13218E0135-12 97403	EA	1	
23	9	PAFZZ	PAFZZ		PAFZZ		.008	5305-00-363-3990	SCREW AND WASHER, ASSEMBLED: COIL WIRE CONN. A,B 13218E0504-51 97403	EA	2	
23	10	PAFZZ	PAFZZ		PAFZZ		.008	5340-00-797-4641	CLAMP, COIL FASTENING 9786E129-3 97403	EA	2	
23	11	PAFZZ	PAFZZ		PAFZZ		.02	2920-00-867-8741	COIL, MAGNETO ASSEMBLY A,B 13206E0140 97403	EA	2	
23	12	XBFZZ	XBFZZ		XBFZZ				INSULATOR, COIL A.B 13206E0146 97403	EA	2	
23	13	PAFZZ	PAFZZ		PAFZZ		.003	4730-01-122-3681	PLUG CAMSHAFT, HEX HEAD, PIPE, 1/4 IN. ANPT. MS27769D3 96906	EA	1	
23	14	PAFZZ	PAFZZ		PAFZZ		.003	4730-00-221-2134	PLUG, CAMSHAFT, HEX HEAD, PIPE, 1/16 IN. ANPT MS27769D1 96906	EA	1	
23	15	XBFZZ	XBFZZ		XBFZZ				SHAFT, IDLER, OIL PUMP GEAR 13206E0144 97403	EA	1	
23	16	KFHZZ	KFHZZ		KFFZZ				SEAL, OIL, CRANKSHAFT, FRONT (PART OF KIT, P/N 13214E8204) 13206E0138 97403	EA	1	
23	17	XFHHZ	KFHHZ		KFFZZ				BUSHING, MAIN BEARING, FRONT (PART OF KIT, P/N 13211E8203) 13206E0137 97403	EA	1	
23	18	XBFZZ	XBOZZ		XBFZZ				CAP, OIL, PRESSURE RELIEF VALVE 13206E0143 97403	EA	1	
23	19	PAFZZ	PAOZZ		PAFZZ		.008	5330-00-977-7933	WASHER, ROLLED 13215E3857-14 97403	EA	1	
23	20	XAFZZ	XAOZZ		XAFZZ				SPRING, HELICAL, OIL PRESSURE REGULATOR 13206E0141 97403	EA	1	
23	21	PAFZZ	PAOZZ		PAFZZ		.007	2805-00-103-5319	PISTON, OIL PRESSURE RELIEVE VALVE 13206E0139 97403	EA	1	
23	22	PAFZZ	PAFZZ		PAFZZ		.003	4730-00-188-3493	PLUG, CAMSHAFT, HEX HEAD, PIPE: 1/8 ANPT MS27769D2 96906	EA	1	

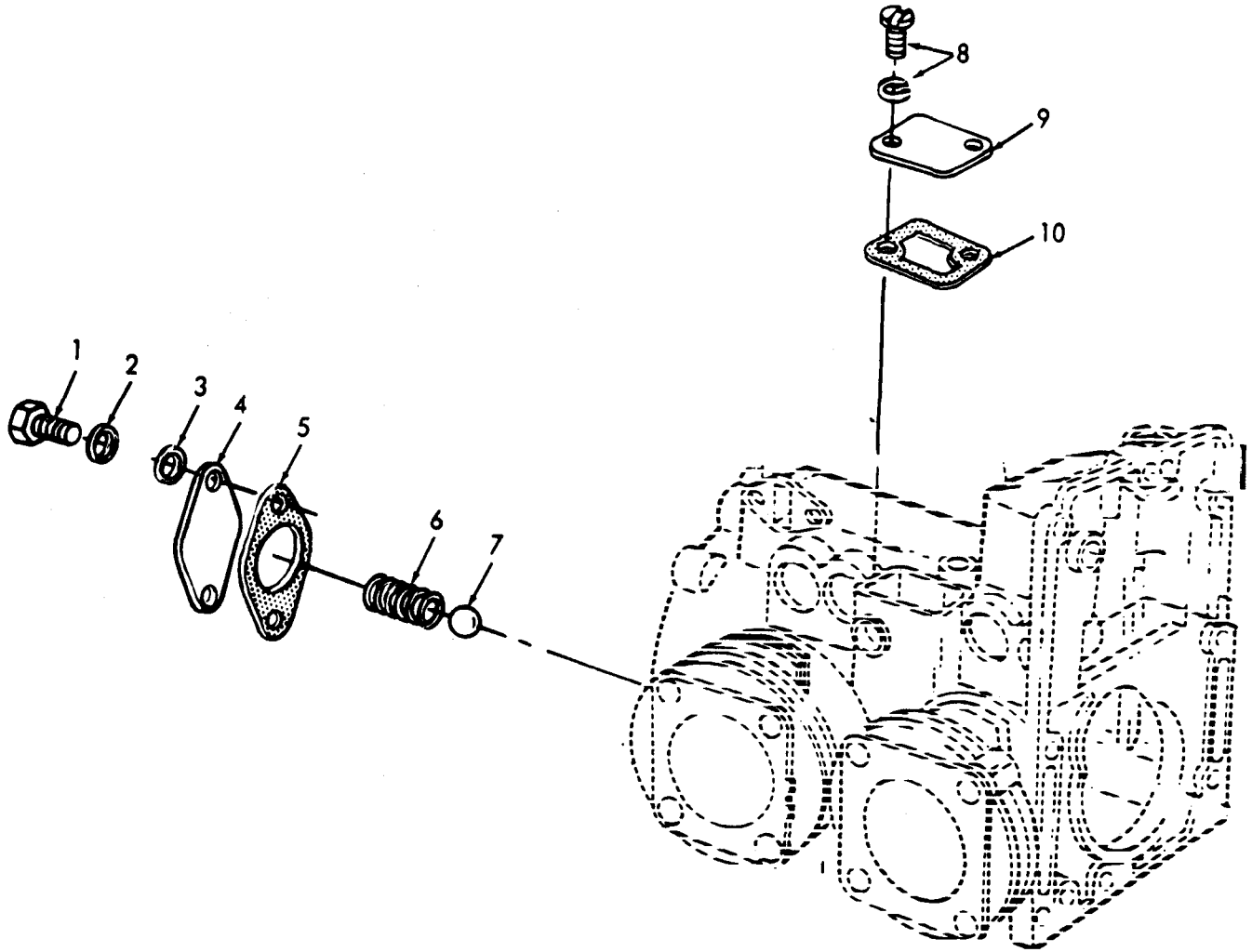


Figure 24. Camshaft Thrust Plate and Breather Box.

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a.	b.	a.	b.	c.	d.	a.	b.	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
FIG NO.	ITEM NO.	ARMY	AIR FORCE	NAVY	USMC	SSI	REPL FACTOR					
									TM9-2805-262-24P NAVFAC P-8-613E-24P TO-38G2-90-14 SL-4-03522C GROUP 23 CAMSHAFT AND VALVE TAPPETS, GEAR AND THRUST PLATE FIG 24 CAMSHAFT THRUST PLATE AND BREATHER BOX			
24	1	PAFZZ	PAFZZ		PAFZZ		.008	5305-01-016-4344	SCREW, MACHINE: CAMSHAFT THRUST PLATE MOUNTING 1/4-20 X 5/8 MS51849-95 96906	EA	2	
24	2	PAFZZ	PAFZZ		PAFZZ		.008		WASHER, SEALING: CAMSHAFT THRUST PLATE MOUNTING SCREW (PART OF KIT, P/N 13214E8193) NAS1598-4Y 80205	EA	2	
24	3	PAFZZ	PAFZZ		PAFZZ		.008	5310-00-639-6876	WASHER, PLAIN: CAMSHAFT THRUST PLATE MOUNTING SCREW 2W1-17-20-40 43999	EA	2	
24	4	PAFZZ	PAFZZ		PAFZZ		.024	3110-00-867-8770	THRUST PLATE, CAMSHAFT 13206E0011 97403	EA	1	
24	5	PAFZZ	PAFZZ		PAFZZ		.03	5330-00-967-8771	GASKET, CAMSHAFT THRUST PLATE (PART OF KIT, P/N 13214E8193) 13206E0012 97403	EA	1	
24	6	PAFZZ	PAFZZ		PAFZZ		.015	5360-00-867-8773	SPRING, HELICAL, CAMSHAFT THRUST 13206E0013 97403	EA	1	
24	7	PAFZZ	PAFZZ		PAFZZ		.01	3110-00-958-7325	BALL, CAMSHAFT THRUST MS19060-27 96906	EA	1	
24	8	PAFZZ	PAFZZ		PAFZZ		.008		SCREW AND WASHER, ASSEMBLED: BREATHER BOX COVER MOUNTING, 10-24 X 1/2 IN. 13218E0504-55 97403	EA	2	
24	9	XBFZZ	XBFZZ		XBFZZ				COVER, BREATHER BOX 13206E0016 97403	EA	1	
24	10	KFFZZ	KFFZZ		KFFZZ				GASKET, BREATHER BOX COVER (PART OF KIT, P/N 13214E8193) 13206E0017 97403	EA	1	
		PAOZZ	PAFZZ		PAFZZ		.04	2805-00-937-0942	KIT, ENGINE, GASKET, OVERHAUL 13214E8193 97403		V	
									GASKET, ADAPTER TO INTAKE MANIFOLD (2) 4-6			
									GASKET, CARBURETOR MOUNTING (2) 4-10			
									GASKET, EXHAUST MANIFOLD (3) 6-6			
									WASHER, SELF-SEALING (4) 7-15			
									GASKET, ROCKER BOX COVER (4) 7-19			
									GASKET, FUEL PUMP MOUNTING (1) 8-4			
									GASKET, METAL ENCASED (1) 10-4			
									PACKING, PREFORMED (1) 10-6			
									GASKET, OIL FILTER MOUNTING (1) 11-3			
									GASKET, INTAKE MANIFOLD (4) 13-3			
									GASKET, CYLINDER HEAD MOUNTING (4) 13-10			
									PACKING, PUSH ROD HOUSING (2) 13-19			
									GASKET, BREAKER POINT COVER (1) 14-4			
									GASKET, BREAKER POINT HOUSING (1) 15-2			
									GASKET, OIL PAN (1) 19-3			
									GASKET, END COVER MOUNTING (1) 23-7			
									WASHER, SELF-SEALING (2) 24-2			
									GASKET, CAMSHAFT THRUST PLATE (2) 24-5			
									GASKET, BREATHER BOX COVER (1) 24-10			

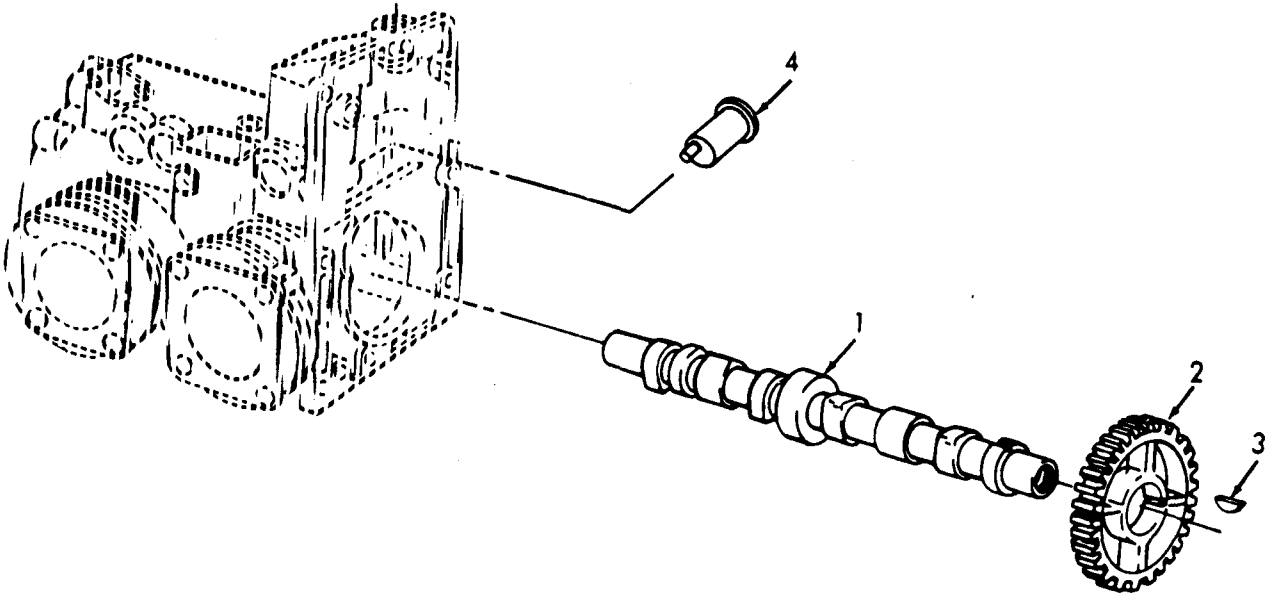


Figure 25. Camshaft.



TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
									GROUP 23 CAMSHAFT AND VALUE TAPPETS, GEAR AND THRUST PLATE			
									FIG 25 CAMSHAFT			
25	1	PAFZZ	PAFZZ		PAFZZ		.020	2805-00-937-0945	CAMSHAFT, ENGINE 13206E0121 97403	EA	1	
25	2	PAHZZ	PAFZZ		PAFZZ		.020	3020-00-867-8767	GEAR, CAMSHAFT 13206E0123 97403	EA	1	
25	3	PAHZZ	PAOZZ		PAFZZ		.02	5315-00-018-9576	KEY, CAMSHAFT: GEAR TO CAMSHAFT, 3/32 X 3/8 NOM, KEY SIZE MS35756-33 96906	EA	1	
25	4	PAHZZ	PAFFZ		PAFZZ		.020	2805-00-797-4636	TAPPET VALVE 9786E93-3 97403	EA	8	

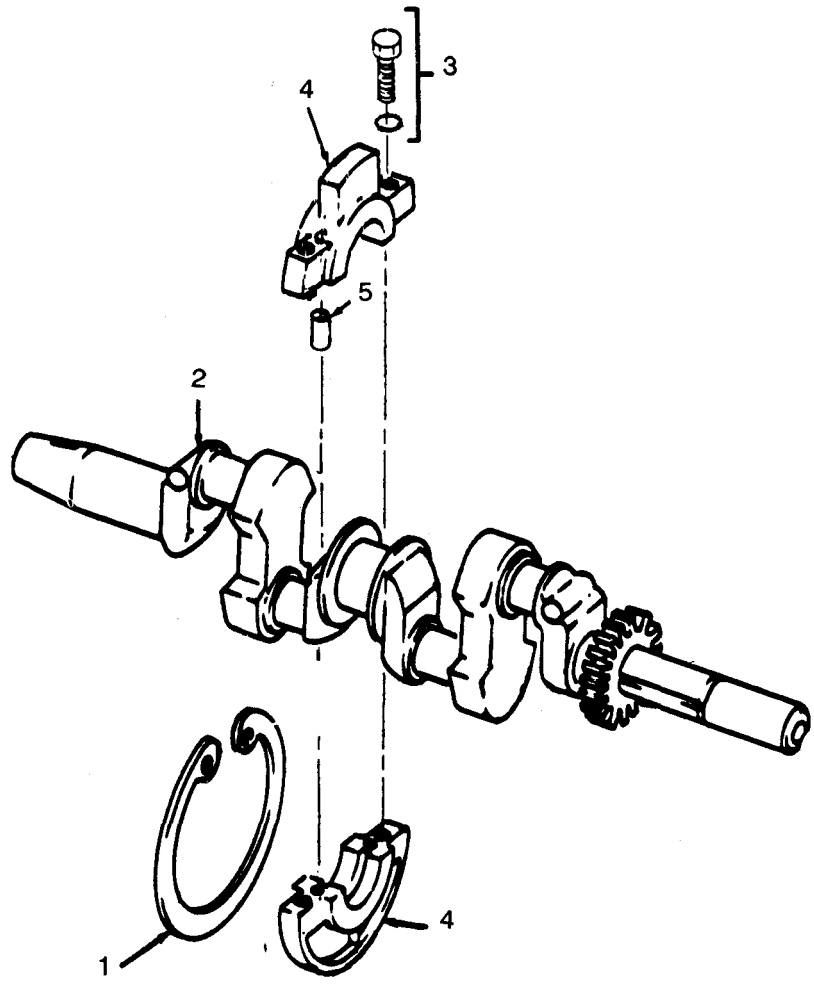


Figure 26. Crankshaft.

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 24 CRANKSHAFT AND MAIN BEARING												
FIG 26 CRANKSHAFT												
26	1	PAHZZ	PAFZZ		PAFZZ		.013	5365-00-486-5480	RING, RETAINING, INTERNAL C124997 53591	EA	2	
26	2	PAHHH	PAFFF		PAFZZ		.020	2805-00-867-8761	CRANKSHAFT 13206E0081 97403	EA	1	
26	3	PAHZZ	PAFZZ		PAFZZ		.008	5305-00-427-0034	SCREW AND WASHER, ASSEMBLED: CENTER MAIN BEARING 1/4-20 X 1 IN. PART OF KIT P/N 13206E8203 13218E0504-70 97403	EA	2	
26	4	KBHZZ	KBHZZ		KBHZZ				BEARING, CENTER, MAIN PART OF KIT P/N 13206E8203 13206E0090 97403	EA	1	
26	5	KBHZZ	KBHZZ		KBHZZ				PIN, BEARING, LOCATING PART OF KIT PN 13206E8203 MS17159 96906	EA	2	

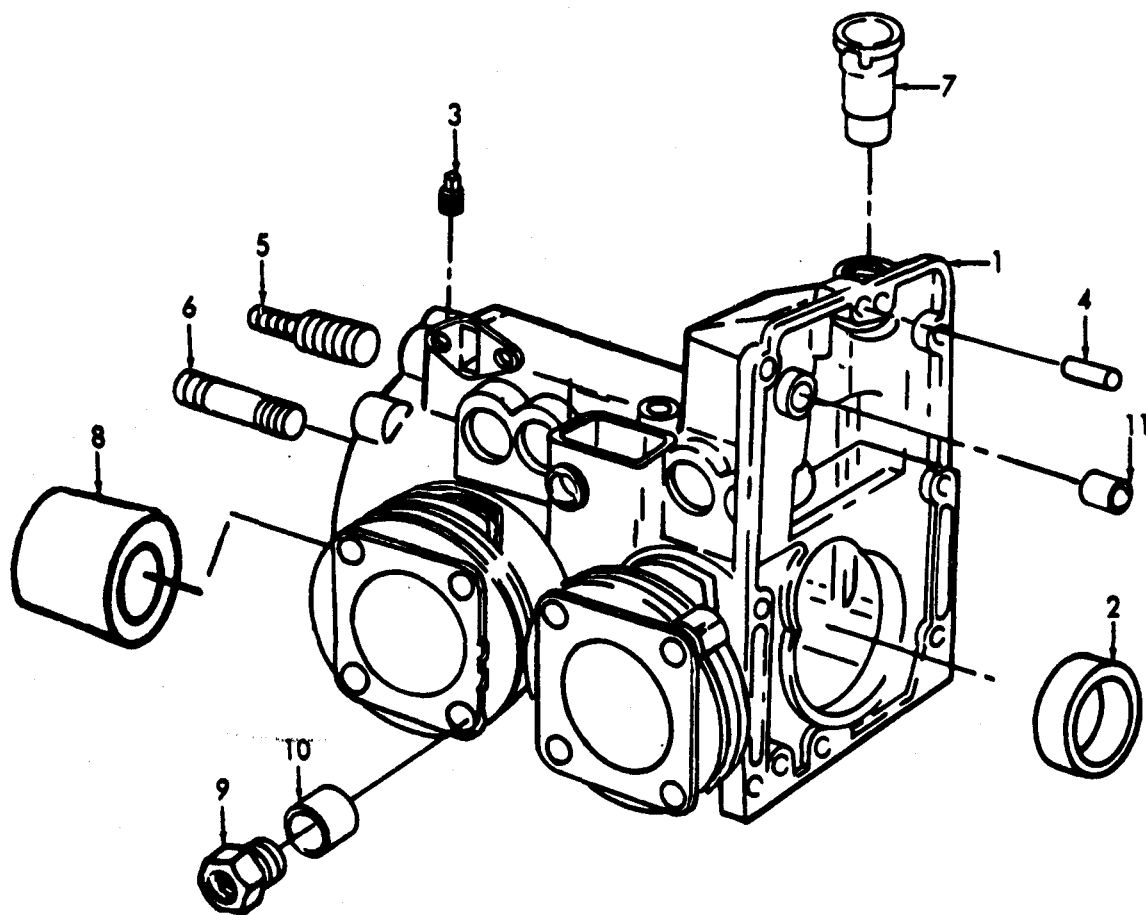


Figure 27. Crankcase.

TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a. FIG NO.	b. ITEM NO.	a. ARMY	b. AIR FORCE	c. NAVY	d. USMC	a. SSI	b. REPL FACTOR	NATIONAL STOCK NUMBER	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
GROUP 25 CRANKCASE ASSEMBLY												
FIG 27 CRANKCASE												
27	1	XBHHH	XBFFF		XBFFF				CRANKCASE ASSEMBLY 13206E0010 97403	EA	1	
27	2	KBHZZ	KBHZZ		KBFZZ				SEAL, OIL CRANKSHAFT, REAR (PART OF KIT, P/N 13214E8204) 13206E0007 97403	EA	1	
27	3	PAOZZ	PAOZZ		PAFZZ			4730-00-595-1884	PLUG, PIPE, HEX HEAD: 1/16-27 13218E0122-11 97403	EA	1	
27	4	PAHZZ	PAFZZ		PAFZZ		.008	5315-00-812-2350	PIN, STRAIGHT, DOWEL: END COVER TO CRANKCASE ALIGNMENT MS16555-348 96906	EA	2	
27	5	XDFZZ	XDFZZ		XDFZZ				STUD, SELF-TAPPING, HOUSING MOUNTING 13214E9572 97403	EA	1	
27	6	PAFZZ	PAFZZ		PAFZZ			5307-00-445-2912	STUD, SELF-TAPPING, HOUSING MOUNTING 9786E98-4 97403	EA	1	
27	7	PAHZZ	PAFZZ		PAFZZ		.002	2990-00-867-8739	TUBE AND GUIDE: OIL FILL ASSEMBLY 13206E0020 97403	EA	1	
27	8	KBHZZ	KBHZZ		KBFZZ				BUSHING, MAIN BEARING, REAR (PART OF KIT, P/N 13214E8203) 13206E0006 97403	EA	1	
27	9	XBFFZ	XBFFZ		XBFFZ				NUT, COMPRESSION: DRAIN BACK TUBE 13206E0061 97403	EA	1	
27	10	XBFFZ	XBFFZ		XBFFZ				SLEEVE, DRAIN BACK TUBE 9786E60-3 97403	EA	1	
27	11	XDHZZ	XDFZZ		XOFZZ				BEARING, NEEDLE: CLOSED END, BREAKER POINT SHAFT 13214E9384 97403	EA	1	
		PAHZZ	PAHZZ		PAFZZ		.020	2805-00-867-8762	KIT, MAIN BEARING 13214E8203 97403			V
									BUSHING, MAIN BEARING, FRONT (1) 23-17			
									SCREW AND WASHER (2) 26-3			
									BEARING, CENTER MAIN (1) 26-4			
									PIN, BEARING (2) 26-5			
									BUSHING, MAIN BEARING, REAR (1) 27-8			
		PAFZZ	PAFZZ		PAFZZ		.30	2805-00-937-0947	KIT, OIL SEAL 13214E8204 97403			V
									SEAL, OIL, BREAKER POINT SHAFT (1) 15-18			
									SEAL, OIL, CRANKSHAFT, FRONT (1) 23-16			
									SEAL, OIL, CRANKSHAFT, REAR (1) 27-2			



TM9-2805-262-24P  
 NAVFAC P-8-613E-24P  
 TO-38G2-90-14  
 SL-4-03522C

(1) ILLUSTRATION		(2) SMR CODE				(3) USMC		(4)	(5) DESCRIPTION	(6)	(7)	(8)
a.	b.	a.	b.	c.	d.	a.	b.	NATIONAL STOCK REPL FACTOR	USABLE ON CODE REF NUMBER & MFR CODE	U/M	QTY INC IN UNITS	USMC QTY PER EQUIP
BULK		PAOZZ	PAOZZ		PAOZZ			4720-00-670-6037	HOSE, NONMETALLIC 2565-8 01276		FT	





CROSS-REFERENCE INDEXES

NATIONAL STOCK NUMBER INDEX

Stock Number	Figure	Item	Stock Number	Figure	Item
5339-00-001-4811	13	21	5310-00-209-0786	4	4
5310-00-017-8919	6	4	5305-00-211-8193	17	47
5305-00-017-9085	9	1	4730-00-221-2134	7	18
5305-00-017-9085	7	6	4730-00-221-2134	23	14
5305-00-017-9085	4	2	5340-00-222-8256	2	11
5305-00-017-9085	21	4	2920-00-225-4841	15	
5305-00-017-9085	13	1	5306-00-226-4828	23	4
5305-00-017-9085	22	4	3110-00-227-4710	13	14
5315-00-018-9576	25	3	5315-00-234-1854	8	7
5315-00-043-1787	21	5	5305-00-245-8424	2	6
2990-00-044-0628	6	2	2805-00-252-2012	13	
5310-00-045-5214	3	13	5305-00-253-5622	16	8
5306-00-050-1238	12	1	5940-00-269-3514	17	15
2990-00-058-6499	6	3	5940-00-269-3514	17	31
4730-00-067-8969	8	6	5310-00-298-2747	11	14
4730-00-067-8969	7	8	5305-00-363-3976	16	2
4730-00-071-7890	2	1	5305-00-363-3976	14	1
5330-00-073-3036	11	10	5305-00-363-3976	7	1
5330-00-073-3038	11	2	5305-00-363-3976	4	7
5330-00-073-3038	11	20	5305-00-363-3976	2	8
2805-00-073-3052	3	14	5305-00-363-3976	5	3
5330-00-073-3053	3	17	5305-00-363-3984	15	4
5310-00-081-4219	23	3	5305-00-363-3984	19	6
5330-00-087-3612	1	2	5305-00-363-3990	23	9
3020-00-100-2766	3	19	5310-00-363-3995	13	8
2805-00-103-5316	7	3	5310-00-363-3995	22	2
2805-00-103-5317	6	8	5305-00-368-8223	7	14
2805-00-103-5318	7	13	2805-00-408-1185	9	2
2805-00-103-5319	23	21	5305-00-411-8109	3	8
2805-00-103-5320	7	11	2805-00-420-7746	13	
2805-00-103-5321	13	4	5310-00-423-0557	2	9
2805-00-103-5322	13	2	5305-00-427-0009	22	12
2805-00-103-5323	22	7	5305-00-427-0009	22	8
5330-00-103-8793	14	4	5305-00-427-0029	7	10
5355-00-106-1804	3	11	5305-00-427-0034	15	1
5935-00-106-7084	17	41	5305-00-427-0034	11	1
2920-00-111-6427	14	2	5305-00-427-0034	3	9
5330-00-114-2036	7	15	5305-00-427-0034	19	1
2920-00-115-0131	16		5305-00-427-0034	26	3
2990-00-116-0198	3	6	5305-00-431-7992	8	2
5310-00-167-0721	17	44	5305-00-431-8012	22	10
6685-00-179-8632	2	5	5330-00-438-1492	23	7
4730-00-188-3493	15	12	5340-00-439-8116	20	3
4730-00-188-3493	13	29	5307-00-445-2912	27	6
2805-00-190-7968	4	5	5307-00-445-2912	13	27
2805-00-194-4208	10	1			
4730-00-196-1479	1	3			

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Stock Number	Figure	Item	Stock Number	Figure	Item
5360-00-445-2921	13	24	5340-00-797-4641	23	10
5970-00-465-1592	16	10	5330-00-797-4642	7	19
2805-00-484-3463	15	3	2805-00-797-5894	16	6
5305-00-484-3470	6	7	5340-00-797-5964	13	11
5365-00-486-5480	26	1	5340-00-797-5966	15	11
2805-00-522-7386	13	23	5330-00-799-5586	13	3
4730-00-529-4437	3	18	4820-00-799-5589	7	17
5330-00-551-8441	17	10	5310-00-802-4701	12	2
5330-00-551-8441	17	26	5365-00-807-7968	15	19
5310-00-559-0070	17	35	5310-00-809-4058	11	15
5310-00-559-0070	17	48	5310-00-809-8544	14	9
2805-00-575-3505	13		5315-00-810-3701	15	13
5310-00-579-0079	17	38	2920-00-810-7082	5	8
2940-00-580-6302	11	6	5315-00-812-2350	27	4
5330-00-584-0265	17	13	5940-00-813-0698	17	45
5330-00-584-0265	17	29	5330-00-819-8733	4	10
2940-00-586-4792	11	19	5330-00-819-8734	13	10
4730-00-595-1884	27	3	5315-00-821-1225	15	21
5310-00-596-7691	3	2	2940-00-832-6054	11	19
5307-00-637-6755	4	11	2990-00-856-7092	3	
5310-00-639-6876	24	3	5310-00-857-5559	22	1
5930-00-655-1514	14	5	5310-00-857-5559	13	7
4720-00-670-6037	BULK		2805-00-867-8736	7	16
5330-00-684-3420	17	12	2805-00-867-8738	7	7
5330-00-684-3420	17	28	2990-00-867-8739	27	7
5310-00-696-5174	8	1	2805-00-867-8740	19	2
5365-00-720-8064	15	16	2920-00-867-8741	23	11
5305-00-731-5073	23	2	2805-00-867-8761	26	2
5999-00-738-6490	17	42	2805-00-867-8762	27	
5307-00-741-5371	13	28	3020-00-867-8767	25	2
5330-00-752-7750	11	5	3110-00-867-8770	24	4
5330-00-752-8605	10	4	5330-00-867-8771	24	5
5330-00-756-1673	8	5	5360-00-867-8773	24	6
2805-00-758-7699	6	5	2805-00-867-8777	18	
5305-00-761-4227	21	1	2805-00-867-8779	4	8
2805-00-788-0425	13	17	6680-00-867-8782	19	8
2920-00-788-0431	15	5	4710-00-867-8784	4	1
2920-00-788-0432	16	1	5360-00-867-8788	3	12
4730-00-788-0441	19	4	3020-00-867-8790	15	14
3040-00-789-0974	3	4	5995-00-867-8793	16	11
3040-00-795-9581	13	12	2920-00-867-8794	5	1
5330-00-797-3506	6	6	5330-00-867-8795	16	7
5330-00-797-3510	13	19	5995-00-867-8796	5	2
4730-00-797-4634	13	18	5340-00-867-8799	16	3
2805-00-797-4636	25	4			

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Stock Number	Figure	Item	Stock Number	Figure	Item
5365-00-867-8808	11	9	4730-01-095-3493	23	22
2910-00-868-0839	3	10	4730-01-122-3681	23	13
5999-00-868-0845	14	12	2920-01-123-2562	17	
2940-00-876-2212	2	7	2920-01-127-7367	12	3
5310-00-880-7746	17	43	2990-01-131-8253	17	53
2940-00-882-1707	2	4	2920-01-133-6312	17	54
2910-00-905-9792	1	1	2920-01-137-5493	17	17
4730-00-908-3194	10	2	5995-01-137-5494	17	52
4730-00-908-3194	9	3	2920-01-137-5495	17	14
4730-00-908-3194	6	1	2920-01-137-5495	17	30
5310-00-913-7020	4	3	5310-01-137-5497	17	8
2910-00-917-4735	4		5310-01-137-5497	17	24
5310-00-934-9751	3	1	6120-01-137-5498	17	9
5310-00-934-9751	3	5	6120-01-137-5498	17	25
5310-00-934-9757	14	8	5975-01-137-5673	17	33
2805-00-937-0942	24		2920-01-137-6822	17	7
2805-00-937-0945	25	1	2920-01-137-6822	17	23
2805-00-937-0946	2		4720-01-137-6823	2	3
2805-00-937-0947	27		2920-01-138-9885	17	1
2805-00-937-0949	20		5330-01-143-6919	17	20
4720-00-937-0951	9	4	5330-01-143-6920	17	4
5360-00-937-0963	3	20	5330-01-145-5160	14	7
2930-00-939-6719	21	3	5330-01-145-5162	23	5
5340-00-943-6041	17	49	2920-01-146-2920	13	20
5305-00-956-4470	17	2	2910-01-146-5262	8	3
5305-00-956-4470	17	18	5340-01-146-5265	7	2
3110-00-958-7325	24	7	5340-01-147-6596	22	13
2990-00-972-7950	12	4	5360-01-153-9681	7	12
5330-00-977-7933	23	19	5340-01-160-2303	5	5
5330-00-977-7933	19	5	4730-01-198-8624	11	17
5305-00-984-4983	17	5	2805-01-203-4361	13	13
5305-00-984-4983	17	21	3110-01-206-6608	15	20
5305-00-984-4984	17	6	5310-01-239-8859	5	4
5305-00-984-4984	17	22	5310-01-239-8859	7	4
5305-00-984-4984	17	37	5310-01-239-8859	2	10
5305-00-984-6169	17	34	2990-01-245-6938	15	2
5305-00-984-6193	14	6	2940-01-264-2105	11	16
4710-00-992-9148	13	5	5340-01-300-3722	7	5
4710-00-992-9149	3	7	5310-01-306-2354	21	2
5307-01-010-5866	11	21	5340-01-316-9213	23	6
5305-01-016-4344	24	1	4730-01-317-8894	4	9
5305-01-087-1917	3	21			
2805-01-093-2392	20	8			

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CAGEC	PART NUMBER INDEX		STOCK NUMBER	FIG.	ITEM
	PART NUMBER				
88044	AN125964		5307-00-637-6755	4	11
88044	AN932D2		4730-00-188-3493	15	12
12658	B233		2940-00-586-4792	11	19
53591	C124997		5365-00-486-5480	26	1
81349	MIL-C-52078			16	12
96906	MS15795-812			8	12
96906	MS15795-914	5310-00-045-5214		3	13
96906	MS16555-329	5315-00-821-1225		15	21
96906	MS16555-346	5315-00-812-2350		27	4
96906	MS16562-36	5315-00-810-3701		15	13
96906	MS16624-1025	5365-00-720-8064		15	16
96906	MS16624-3040			20	4
96906	MS16625-3068	5365-00-807-7968		15	19
96906	MS17131-11	3110-00-227-4710		13	14
96906	MS17159			26	5
96906	MS17300-111	5307-01-010-5866		11	21
96906	MS19060-27	3110-00-958-7325		24	7
96906	MS20066-126			23	1
96906	MS20500-428	5310-00-298-2747		11	14
96906	MS21045L5	5310-00-857-5559		13	7
96906	MS21045L5	5310-00-857-5559		22	1
96906	MS21318-41	5305-00-253-5622		16	8
96906	MS24665-153	5315-00-234-1854		8	7
96906	MS25036-101	5940-00-813-0698		17	45
96906	MS25281-F4	5340-00-943-6041		17	49
96906	MS27183-10	5310-00-809-4058		11	15
96906	MS27183-12	5310-00-081-4219		23	3
96906	MS27769D1	4730-00-221-2134		7	18
96906	MS27769D1	4730-00-221-2134		23	14
96906	MS27769D2	4730-00-188-3493		23	22
96906	MS27769D2	4730-00-188-3493		13	29
96906	MS27769D3	4730-01-122-3681		23	13
96906	MS28775-012	5330-00-584-0265		17	13
96906	MS28775-012	5330-00-584-0265		17	29
96906	MS28775-013	5330-00-684-3420		17	12
96906	MS28775-013	5330-00-684-3420		17	28
96906	MS28775-019	5330-00-551-8441		17	10
96906	MS28775-019	5330-00-551-8441		17	26
96906	MS3212-25	5330-00-956-4470		17	2
96906	MS3212-25	5330-00-956-4470		17	18
96906	MS35058-22	5930-00-655-1514		14	5
96906	MS35206-226	5305-00-984-4983		17	5
96906	MS35206-226	5305-00-984-4983		17	21
96906	MS35206-227	5330-00-984-4984		17	6
96906	MS35206-227	5330-00-984-4984		17	22
96906	MS35206-227	5330-00-984-4984		17	37
96906	MS35206-243	5305-00-984-6191		17	34
96906	MS35206-245	5305-00-984-6193		14	6

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CAGEC	PART NUMBER INDEX PART NUMBER	STOCK NUMBER	FIG.	ITEM
96906	MS35333-37	5310-00-579-0079	17	38
96906	MS35333-38	5310-00-559-0070	17	35
96906	MS35333-41	5310-00-167-0721	17	44
96906	MS35338-38	5310-00-559-0070	17	48
96906	MS35650-302	5310-00-934-9751	3	5
96906	MS35650-302	5310-00-934-9751	3	1
96906	MS35756-33	5315-00-018-9576	25	3
96906	MS35756-34	5315-00-043-1787	21	5
96906	MS35769-15	5330-00-752-8605	10	4
96906	MS35769-4	5330-00-752-7750	11	5
96906	MS35802-1	2940-00-580-6302	11	6
96906	MS35842-11	4730-00-908-3194	6	1
96906	MS35842-11	4730-00-908-3194	9	3
96906	MS35842-11	4730-00-908-3194	10	2
96906	MS51009-1	2920-00-810-7082	5	8
96906	MS51086-1	2910-00-905-9792	1	1
96906	MS51091-4	5330-00-087-3612	1	2
96906	MS51849-54	5305-00-211-8793	17	47
96906	MS51849-70	5305-01-087-1917	3	1
96906	MS51849-95	5305-01-016-4344	24	1
96906	MS51968-5	5310-00-880-7746	17	43
96906	MS9068-015		10	6
96906	MS9068-210	5330-00-001-4811	13	21
96906	MS90726-32	5306-00-050-1238	12	1
96906	MS90728-35	5306-00-236-4828	23	4
96906	MS9354-02	5340-00-867-8799	16	3
96906	MS9354-08	5340-01-160-2303	5	5
80205	NAS1523-5Y	5330-01-145-5162	23	5
80205	NAS1523-8Y	5330-01-145-5160	14	7
80205	NAS1598-4Y		24	2
77260	SN1575	5360-00-937-0963	3	20
19207	11630417	2940-00-832-6054	11	19
97403	13206E0006		27	8
97403	13206E0007		27	2
97403	13206E0010		27	1
97403	13206E0011	3110-00-867-8770	24	4
97403	13206E0012	5330-00-867-8771	24	5
97403	13206E0013	5360-00-867-8773	24	6
97403	13206E0016		24	9
97403	13206E0017		24	10
97403	13206E0020	2990-00-867-8739	27	7
97403	13206E0031	2805-00-867-8740	19	2
97403	13206E0035		19	7
97403	13206E0037		19	3
97403	13206E0050	6680-00-867-8782	19	8
97403	13206E0060	4710-00-992-9148	13	5
97403	13206E0061		27	9

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CAGEC	PART NUMBER INDEX PART NUMBER	STOCK NUMBER	FIG.	ITEM
97403	13206E0070	2805-00-194-4208	10	1
97403	13206E0073		10	5
97403	13206E0081	2805-00-867-8761	26	2
97403	13206E0090		26	4
97403	13206E0102		20	7
97403	13206E0110	2805-00-788-0425	13	17
97403	13206E0121	2805-00-937-0945	25	1
97403	13206E0123	3020-00-867-8767	25	2
97403	13206E0128	2920-01-146-2920	13	20
97403	13206E0137		23	17
97403	13206E0138		23	16
97403	13206E0139	2805-00-103-5319	23	21
97403	13206E0140	2920-00-867-8741	23	11
97403	13206E0141		23	20
97403	13206E0143		23	18
97403	13206E0144		23	15
97403	13206E0146		23	12
97403	13206E0148	5330-00-438-1492	23	7
97403	13206E0149	5305-00-731-5073	23	2
97403	13206E0152		18	1
97403	13206E0160		11	3
97403	13206E0165		11	12
97403	13206E0167	5305-00-073-3036	11	10
97403	13206E0168	5365-00-867-8808	11	9
97403	13206E0177	5330-00-073-3038	11	2
97403	13206E0177	5330-00-073-3038	11	20
97403	13206E0180		3	16
97403	13206E0182	3020-00-100-2766	3	19
97403	13206E0184	5330-00-073-3053	3	17
97403	13206E0190	4710-00-992-8149	3	7
97403	13206E0200	2805-00-408-1185	9	2
97403	13206E0201		9	5
97403	13206E0203	2805-00-103-5322	13	2
97403	13206E0204	2805-00-103-5321	13	4
97403	13206E0211	2805-00-190-7968	4	5
97403	13206E0212	2805-00-867-8779	4	8
97403	13206E0230		3	3
97403	13206E0231	2990-00-116-0198	3	6
97403	13206E0232		4	6
97403	13206E0240	3040-00-789-0974	3	4
97403	13206E0248	5305-00-245-8424	2	6
97403	13206E0250	2940-00-882-1707	2	4
97403	13206E0251	2940-00-876-2212	2	7
97403	13206E0255	5340-00-222-8256	2	11
97403	13206E0260	2930-00-939-6719	21	3
97403	13206E0270		22	3
97403	13206E0274	2805-00-103-5318	7	13

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CAGEC	PART NUMBER INDEX PART NUMBER	STOCK NUMBER	FIG.	ITEM
97403	13206E0275	5360-01-153-9681	7	12
97403	13206E0276		7	9
97403	13206E0291	2805-00-103-5316	7	3
97403	13206E0292	2805-00-103-5320	7	11
97403	13206E0300	2805-00-484-3463	15	3
97403	13206E0310		15	15
97403	13206E0311		15	22
97403	13206E0321		15	17
97403	13206E0322		15	18
97403	13206E0323		15	10
97403	13206E0324	3020-00-867-8790	15	14
97403	13206E0326	2990-01-245-6938	15	2
97403	13206E0330		16	4
97403	13206E0331		16	5
97403	13206E0333	5970-00-465-1592	16	10
97403	13206E0334		16	9
97403	13206E0336	5330-00-867-8795	16	7
97403	13206E0340	5995-00-867-8793	16	11
97403	13206E0401	5330-00-756-1673	8	5
97403	13206E0406	5310-00-696-5174	8	1
97403	13206E0410	4710-00-867-8784	4	1
97403	13206E0420	2805-00-758-7699	6	5
97403	13206E0424	2805-00-103-5317	6	8
97403	13206E0432		14	13
97403	13206E0433		14	11
97403	13206E0434	5330-00-103-8793	14	4
97403	13206E0435	2920-00-111-6427	14	2
97403	13206E0436		14	3
97403	13206E0437	5990-00-868-0845	14	12
97403	13206E0440	2805-00-867-8738	7	7
97403	13206E0444-10		11	11
97403	13206E0444-2	5310-00-809-8544	14	9
97403	13206E0444-3		15	9
97403	13206E0444-5	5310-01-239-8859	2	10
97403	13206E0444-5	5310-01-239-8859	5	4
97403	13206E0444-5	5310-01-239-8859	7	4
97403	12396E0444-6		22	5
97403	13206E0446	2990-00-044-0628	6	2
97403	13206E0447	2990-00-058-6499	6	3
97403	13206E0451		22	11
97403	13206E0452	5340-01-147-6596	22	13
97403	13206E0457	2805-00-103-5323	22	7
97403	13206E0458		22	6
97403	13206E0475	2910-00-868-0839	3	10
97403	13206E0485		3	15
97403	13206E0820	6685-00-179-8632	2	5
97403	13206E1405	5355-00-106-1804	3	11

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CAGEC	PART NUMBER INDEX		STOCK NUMBER	FIG.	ITEM
	PART NUMBER				
97403	13206E1409		5360-00-867-8788	3	12
97403	13206E1442		3110-01-206-6608	15	20
97403	13206E1489		2805-00-073-3052	3	14
97403	13212E3762-2			15	6
97403	13212E3763		2920-00-788-0432	16	1
97403	13214E7050			22	9
97403	13214E7057		2920-00-788-0431	15	5
97403	13214E7062			14	10
97403	13214E7064			20	1
97403	13214E8178		2920-00-575-3504	15	
97403	13214E8179		2920-00-115-0131	16	
97403	13214E8180		2920-00-225-4841	15	
97403	13214E8181		2805-00-575-3505	13	
97403	13214E8188		2805-00-420-7746	13	
97403	13214E8191		2805-00-937-0949	20	
97403	13214E8192		2910-00-917-4735	4	
97403	13214E8193		2805-00-937-0942	24	
97403	13214E8194		2805-00-937-0946	2	
97403	13214E8199		2805-00-252-2012	13	
97403	13214E8202		2805-00-867-8777	18	
97403	13214E8203		2805-00-867-8762	27	
97403	13214E8204		2805-00-937-0947	27	
97403	13214E8210		2990-00-856-7092	3	
97403	13214E9380-1		5310-00-363-3995	13	8
97403	13214E9380-1		5310-00-363-3995	22	2
97403	13214E9380-3		5310-01-306-2354	21	2
97403	13214E9380-4			12	2
97403	13214E9382			13	26
97403	13214E9384			27	11
97403	13214E9389-5			2	2
97403	13214E9389-7		4720-01-137-6823	2	3
97403	13214E9570		4730-00-788-0441	19	4
97403	13214E9572			27	5
97403	13214E9573		4720-00-937-0951	9	4
97403	13215E3857-10		5330-00-114-2036	7	15
97403	13215E3857-14		5330-00-977-7933	19	5
97403	13215E3857-14		5330-00-977-7933	23	19
97403	13215E4167			11	8
97403	13215E4168			11	7
97403	13215E4179			18	2
97403	13215E4181			13	9
97403	13218E0122-11		4730-00-595-1884	27	3
97403	13218E0135-12			23	8
97403	13218E0135-3			13	6
97403	13218E0138-11		4730-00-529-4437	3	18
97403	13218E0170-30		4730-01-317-8894	4	9
97403	13218E0171-22		4730-00-067-8969	8	6
97403	13218E0171-22		4730-00-067-8969	7	8



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 TO-38G2-90-14  
 SL-4-03522C

CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER INDEX		FIG.	ITEM
	PART NUMBER	STOCK NUMBER		
97403	13218E0250-43	4730-00-071-7890	2	1
97403	13218E0320-248	5310-00-934-9757	14	8
97403	13218E0320-32		13	15
97403	13218E0321-291	5310-00-423-0557	2	9
97403	13218E0321-51	5310-00-913-7020	4	3
97403	13218E0504-32	5305-00-363-3984	15	4
97403	13218E0504-32	5305-00-363-3984	19	6
97403	13218E0504-51	5305-00-363-3990	23	9
97403	13218E0504-55		24	8
97403	13218E0504-65	5305-00-427-0029	7	10
97403	13218E0504-67	5305-00-363-3976	2	8
97403	13218E0504-67	5305-00-363-3976	4	7
97403	13218E0504-67	5305-00-363-3976	5	3
97403	13218E0504-67	5305-00-363-3976	7	1
97403	13218E0504-67	5305-00-363-3976	14	1
97403	13218E0504-67	5305-00-363-3976	16	2
97404	13218E0504-68	5305-00-017-9085	4	2
97403	13218E0504-68	5305-00-017-9085	7	6
97403	13218E0504-68	5305-00-017-9085	9	1
97403	13218E0504-68	5305-00-017-9085	13	1
97403	13218E0504-68	5305-00-017-9085	21	4
97403	13218E0504-68	5305-00-017-9085	22	4
97403	13218E0504-70	5305-00-427-0034	3	9
97403	13218E0504-70	5305-00-427-0034	11	1
97403	13218E0504-70	5305-00-427-0034	15	1
97403	13218E0504-70	5305-00-427-0034	19	1
97403	13218E0504-70	5305-00-427-0034	26	3
97403	13218E0504-78	5305-00-427-0009	22	8
97403	13218E0504-78	5305-00-427-0009	22	12
97403	13218E0504-95	5305-00-411-8109	3	8
97403	13218E0505-69	5305-00-431-7992	8	2
97403	13218E0512-68	5305-00-431-8012	22	10
97403	13218E0518-38	5310-00-596-7691	3	2
97403	13218E0518-40	5310-00-209-0786	4	4
97403	13218E0526-109	5305-00-368-8223	7	14
97403	13218E0526-278	5305-00-484-3470	6	7
97403	13218E0526-44		17	50
97403	13218E0527-43		11	4
97403	13218E0528-722	5305-00-761-4227	21	1
97403	13222E6723	2805-01-093-2392	20	8
97403	13226E0919	3020-01-127-7367	12	3
97403	13226E0929	2920-01-131-8253	17	53
97403	13226E0933	5995-01-137-5494	17	52
97403	13226E0939	2920-01-133-6312	17	54
97403	13226E0944	5340-01-300-3722	7	5
97403	13226E0945	5340-01-316-9213	23	6

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CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER INDEX PART NUMBER	STOCK NUMBER	FIG.	ITEM
97403	13226E1228	2920-01-123-2562	17	
97403	13226E1595	2920-01-137-5493	17	17
97403	13226E1600	2920-01-138-9885	17	1
97403	13226E1602	2920-01-137-5495	17	14
97403	13226E1602	2920-01-137-5495	17	30
97403	13226E1605	5975-01-137-5673	17	33
97403	13226E1607-1	5935-00-106-7084	17	41
97403	13226E1909-5	5999-00-738-6490	17	42
97403	13226E1611		17	32
97403	13226E1613	5310-01-137-5497	17	8
97403	13226E1613	5310-01-137-5497	17	24
97403	13226E1614		17	11
97403	13226E1614		17	27
97403	13226E1615-1		17	39
97403	13226E1615-2		17	40
97403	13226E1617		17	36
97403	13226E1618-2	5940-00-269-3514	17	15
97403	13226E1618-2	5940-00-269-3514	17	31
97403	13226E1632	6120-01-137-5498	17	9
97403	13226E1632	6120-01-137-5498	17	25
97403	13226E1633	2920-01-137-6822	17	7
97403	13226E1633	2920-01-137-6822	17	23
97403	13226E1637-2	5330-01-143-6919	17	20
97403	13226E1637-3	5330-01-143-6920	17	4
97403	13226E1639		17	46
97403	13226E1646		17	16
97403	13226E1649-1		17	19
97403	13226E1649-3		17	3
97403	13226E2225	2910-01-146-5262	8	3
97403	13226E2230-1		8	4
97403	13226E2231		7	9
97403	13226E2232	5340-01-146-5265	7	2
97403	13226E2234		17	51
97403	13226E6190		11	13
97403	13226E6191	2940-01-264-2105	11	16
97403	13226E6192		11	18
97403	13226E6193	4730-01-198-8624	11	17
97403	13227E9891-4	2920-00-867-8794	5	1
97403	13227E9891-5	5995-00-867-8796	5	2
97403	13227E9891-6		5	6
97403	13226E2224		8	10
97403	13226E2227		8	8
97403	13226E2226		8	9
97403	13226E2229		8	11
97403	13226E2231		7	9
97403	13227E9891-7		5	7
43999	2W1-17-20-40	5310-00-639-6876	24	3

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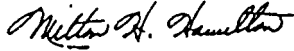
CROSS-REFERENCE INDEXES

CAGEC	PART NUMBER INDEX PART NUMBER	STOCK NUMBER	FIG.	ITEM
01276	2565-8	4720-00-670-6037	BULK	
01276	2565-81		10	3
44940	505-0104	4730-00-196-1479	1	3
97403	9786E100-1		13	25
97403	9786E100-2	2805-00-445-2917	13	22
97403	9786E101-2		13	16
97403	9786E101-3	2805-01-203-4361	13	13
97403	9786E102	2805-00-522-7386	13	23
97403	9786E107-1	5330-00-819-8734	13	10
97403	9786E107-2	5307-00-741-5371	13	28
97403	9786E111-2		20	5
97403	9786E112		20	6
97403	9786E113-2	5340-00-439-8116	20	3
97403	9786E113-3		20	2
97403	9786E115	2805-00-797-5894	16	6
97403	9786E121-1	2990-00-972-7950	12	4
97403	9786E129-3	5340-00-797-4641	23	10
97403	9786E26-2	5330-00-819-8733	4	10
97403	9786E26-4	5330-00-799-5586	13	3
97403	9786E27		4	12
97403	9786E44	2805-00-867-8736	7	16
97403	9786E44-2	5330-00-797-4642	7	19
97403	9786E46	4820-00-799-5589	7	17
97403	9786E50-1	5310-00-017-8919	6	4
97403	9786E50-2	5330-00-797-3506	6	6
97403	9786E60-3		27	10
97403	9786E69-3		15	7
97403	9786E70		15	8
97403	9786E86-1	5340-00-797-5966	15	11
97403	9786E92-3	5330-00-797-3510	13	19
97403	9786E93-3	2805-00-797-4636	25	4
97403	9786E93-4	4730-00-797-4634	13	18
97403	9786E98-1	5340-00-797-5964	13	11
97403	9786E98-2	5360-00-445-2921	13	24
97403	9786E98-3	3040-00-795-9581	13	12
97403	9786E98-4	5307-00-445-2912	13	27
97403	9786E98-4	5307-00-445-2912	27	6



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THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT. FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

PFC JOHN DOE  
COA, 3d ENGINEER BN  
FT. LEONARDWOOD, MA 63108

DATE SENT

PUBLICATION NUMBER

TM 9-2805-262-24P

PUBLICATION DATE

17 SEPTEMBER 1992

PUBLICATION TITLE

ENGINE, GASOLINE

BE EXACT... PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
6	2-1 a		
B1		4-3	
125	line 20		

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

In line 6 of paragraph 2-1a the manual states the engine has 6 Cylinders. The engine on my set only has 4 Cylinders. Change the manual to show 4 Cylinders.

Callout 16 on figure 4-3 is pointing at a bolt. In key to figure 4-3, item 16 is called a shim - Please correct one or the other.

I ordered a gasket, item 19 on figure B-16 by NSN 2 910-00-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

JOHN DOE, PFC (262) 317-7111

SIGN HERE

JOHN DOE

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FIGURE NO

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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
----	------------------------	----------------------------	---------------------	----

