

TM 55-1925-202-20P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOL LISTS**

**TUG, HARBOR, DIESEL,
600 HP, STEEL, 65 FT, DESIGN 3004,
HULL NUMBERS ST1978
THROUGH ST1986, ST1989
THROUGH ST1993, AND ST2007**

FSN 1925-375-3002

HEADQUARTERS, DEPARTMENT OF THE ARMY

FEBRUARY 1963

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SECTION I

INTRODUCTION

1. General

This manual lists the repair parts, special tools, and maintenance supplies authorized and required to be stocked for second echelon organizational maintenance and supply support for first echelon organizational maintenance. It also lists repair parts not authorized for stockage but which may be requisitioned as required to perform organizational maintenance. *It is to be used for identification, storage, issue, requisitioning, and as an aid to procurement.* It supplements tables of equipment and allowances and other applicable authorization documents.

2. Arrangement

a. Individual parts and major assemblies are listed alphabetically by item name within the numbered group.

b. Assembly components and subassemblies are indented and listed alphabetically by item name under major assemblies.

c. When duplicate equipments (e.g., 3 different model engines) are to be cataloged in the same publication, group numbers in the *text* of the Repair Parts Lists will be prefixed with an alphabetical designator. The use of alphabetical prefixes in one group is not necessarily an indication of assembly relationship between any other functional

group using identical prefixes. Notes will be used to indicate this information.

3. Common Tools

Common tools required for maintenance on this equipment will be obtained in accordance with existing regulations. Shop and test equipment are authorized in applicable TOE and TA.

4. Illustrations

Illustrations are included to aid identification and to show assembly relationship.

5. Indexes

There are two indexes in this manual -

a. *Part I.* The manufacturer's reference number cross-referenced to the manufacturer's Federal supply code, Federal stock number, item name, and group or section in which the item is located. A percent symbol (%) precedes the reference number to indicate the prime manufacturer when an assembler's reference number is also listed.

b. *Part II.* The Federal stock number cross-referenced to the item name, manufacturer's Federal supply code, manufacturer's reference number, and group or section in which the item is located.

6. Explanation of Columns

a. *Source, Maintenance, and Recoverability*

Code. This column indicates assignment of logistical responsibility; repair parts, source, maintenance level, and recoverability codes, which are assigned to each item listed in a functional group, including general use common hardware (i.e., bolts, etc.). These codes are in accordance with AR 700-18. General use common hardware and bulk material listed in section III are not assigned source, maintenance, and recoverability codes.

- (1) *Technical service basic number.* Items which are the logistical responsibility of a technical service, other than Transportation Corps, are indicated by the basic number assigned to the technical service. The basic numbers are –
 - 3 – Chemical Corps
 - 5 – Corps of Engineers
 - 8 – Army Medical Corps
 - 9 – Ordnance Corps
 - 10 – Quartermaster Corps
 - 11 – Signal Corps
- (2) *Source code.* The following code symbols are used to provide guidance for replacement and source of supply of repair parts and special tools –
 - (a) Code P applies to high mortality repair parts which are stocked in or supplied from the technical service depot system, and authorized for use at indicated maintenance echelons.
 - (b) Code P1 applies to repair parts which are low mortality parts, stocked in or supplied from technical service depots, and authorized for installation at indicated maintenance echelons.
 - (c) Code M applies to repair parts which are not procured or stocked, but are to be manufactured at indicated maintenance echelons.
 - (d) Code A applies to assemblies which are not procured or stocked as such but are made up of two or more units, each of which carries individual stock numbers and descriptions, is procured and stocked, and can be assembled by units at indicated maintenance echelons.
 - (e) Code X1 applies to repair parts which are not procured or stocked, the requirements for which will be supplied by use of next higher assembly or component.
 - (f) Code X2 applies to repair parts which

are not stocked. The indicated maintenance echelon requiring such repair parts will attempt to obtain them through cannibalization; if not obtainable through cannibalization, such repair parts will be requisitioned with supporting justification through normal supply channels.

- (g) Code C applies to repair parts authorized for local procurement. If not obtainable from local procurement, such repair parts will be requisitioned through normal supply channels with a supporting statement of nonavailability from local procurement.
 - (b) Code Z applies to obsolete repair parts no longer stocked or procured.
- (3) *Maintenance level codes.* The following code symbols are used to indicate the lowest maintenance echelon authorized to install the repair parts. Capabilities of higher maintenance echelons are considered equal or better. Parts which require manufacture, assembly, or test at an echelon higher than that authorized for installation will indicate the higher echelon in the source column (i.e., AD, MD). Code O – Organizational.
 - (4) *Recoverability codes.* The following code symbols are used to indicate repair parts to be returned for recovery or salvage –
 - (a) Code T applies to high-dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts are normally repaired or overhauled at depot maintenance activities.
- NOTE: Since there are no marine field maintenance activities (third and fourth echelon) for this equipment, items designated for recovery are coded T regardless of dollar value.
- (b) Repair parts and assemblies not assigned a recoverability code shall be considered "throwaway" items.
- (5) *Arrangement in column.* The following is the arrangement of the above codes in column (1) –

Technical Service Basic No.	Source	Maintenance Level	Recoverability
5	P	O	T

b. Federal Stock Number. The Federal stock number consists of the applicable 4-digit FSC code number plus the 7-digit Federal item identification number. Items that are source coded A or M to be assembled or fabricated at the same level of maintenance at which they are installed, and items that are source coded X1 or X2, are not assigned a Federal stock number, unless the item(s) previously has(have) been identified to a Federal stock number.

c. Description. The description of an item consists of the Federal item name followed by such additional information as is necessary for identification. As an additional reference, the applicable specification or typical manufacturer's reference number is indicated following the description. Items listed to clarify assembly relationship and/or for informational purposes are shown with the unit of issue and quantity per unit included in this column.

d. Unit of Issue. This column lists the standard or basic quantity in which the item is issued (EA, LB, SE, etc.).

e. Expendability. This column lists the expendability of each item. All items are expendable unless otherwise indicated. NX in this column indicates that the item is nonexpendable.

f. Quantity Incorporated in Unit. This column lists the number of items installed per end item, in relation to the functional group in which the item is shown.

g. Fifteen Days' Organizational Allowance for Number of Major Items Supported. This column is divided into subcolumns to provide stockage based on the number of equipments supported. The subcolumns include the end item density spread which will provide the most economical support. Quantity authorized is expressed in whole numbers and represents one prescribed load for a 15-day period for the number of major items supported. Quantities authorized must be on hand or on order at all times. The major commanders will determine the number of prescribed loads that second echelon will carry. Units and organizations authorized additional prescribed loads will multiply the number of equipments supported by the number of prescribed loads and then use the appropriate end item spread column. The symbol AR in this column indicates

that the item may be requisitioned as required; however, minimum quantities may be stocked. This symbol applies to common hardware, bulk material, and those items whose quantitative requirements vary with each installation. Combat essential items of a critical nature which must be stocked at organizational maintenance at all times, regardless of demand, are identified in this column by enclosing the allowance factor in parentheses. Additional repair parts authorized for performing maintenance are listed with no authorized quantities shown. These parts are identified by an asterisk (*) and will be requisitioned as required for immediate use only. Common hardware items which appear in their particular functional groups are indicated with a cent symbol (¢) in the maintenance allowance column. The total allowances for these items appear in the maintenance allowance column in section III, Bulk Material and Common Hardware.

b. Illustrations. This column lists the figure number of the items illustrated and, when applicable, the item number. The number symbol (#) shown in the item number portion of the illustrations column is used to indicate those items which are included in the reference figure, but which are not visible in the presented view.

7. Requisitioning Information

a. Special Tools. Special tools listed in this manual are specially designed and are required for the operation and maintenance of this equipment. These tools should be on hand at activities performing second echelon organizational maintenance. Quantities established herein constitute only the initial allocations for special tools. Procedures governing additional requirements are contained in AR 725-50. The entire lists of special tools in this manual are not stocked as an assembled set. Each item required will be requisitioned by the applicable Federal stock number.

b. Standard Unit Pack. When items of bulk material and common hardware are authorized in quantities less than standard unit pack, requisitions will be adjusted to reflect the total quantity of the standard unit pack. The density of equipment supported by stockage objectives which are approved for organizational maintenance supply may result in relatively low quantitative requirements as compared to unit pack quantities. Such overstockage is considered desirable from the standpoint of effective supply management and distribution costs.

c. *Supply Management Data.* Items bearing Supply Action Codes 19 and 31, appearing in DA Supply Manuals 55-135-1 series, are the only items carried in CONUS depot stocks in an immediate "Ready for Issue" condition. All other items, whether cataloged or not cataloged, normally will require procurement leadtime. Leadtimes for specific classes are contained in AR 725-742.

8. Abbreviations

The following abbreviations are used -

A/A any acceptable
 ac alternating current
 amp ampere(s)
 approx approximate(ly)
 assy assembly(ies)
 cfm cubic feet per minute
 Co. Company (name of firm)
 c/o consist of
 Corp. Corporation (name of firm)
 cres. corrosion resistant steel
 cu cubic
 cw clockwise
 dc direct current
 deg degree(s)
 dia diameter(s)
 Div Division (proper name)
 dp double-pole
 EA EACH (unit of issue)
 e.g. for example(s)
 exp expansion
 F Fahrenheit
 Fig figure
 fpm feet per minute
 FT FOOT (unit of issue)
 ft foot(feet)
 gal gallon(s)
 gpm gallons per minute
 h height, high
 hp horsepower
 hr hour(s)
 id inside diameter(s)
 in inch(es)
 Inc Incorporated
 incl include(s)(ed)(sive)(ing)
 instl installation
 ips iron pipe size
 K carat(s)
 kw kilowatt(s)
 LB POUND (unit of issue)
 lb pound(s)
 lg long(length)
 lh left hand

max maximum
 mfg manufacturing
 mtg mounting(s)
 NC American National Coarse Thread
 neg negative
 NF American National Fine Thread
 no number(s)
 nom nominal
 NPT American Standard Taper Pipe
 Threads

o/a over-all
 od outside diameter(s)
 P/N part number
 psi pounds per square inch
 rh right hand
 rpm revolutions per minute
 SE SET (unit of issue)
 sec second(s) (unit of time)
 ser serial
 sp single-pole
 spec specification(s)
 sq square
 temp temperature
 thd thread(s)(ed)
 thk thick(ness)
 u/o used on
 u/w used with
 v volt(s)
 w watt(s)
 w wide, width
 w/ with
 w/o without
 wog water, oil, gas

9. Manufacturer's Code Number

The manufacturer's code number is a 5-digit Federal supply code identifying a particular manufacturer -

Code	Manufacturer
00000	Ordnance Corps
00320	White Diesel Engine Div. of White Motor Co.
01843	American Bosch Corp.
02128	American Engineering Co., Inc.
04009	Arrow, Hart & Hegeman Electric Co.
04475	Atlas Imperial Diesel Engine Co.
05527	Ball & Roller Bearing Co.
07524	Blackmer Pump Co.
07657	Blickman, S., Inc.
07829	Bodine Electric Co.
09842	Burgess Manning Co.
10741	Carlisle & Finch Co.
14561	Cooper Clark Co.

Code	Manufacturer	Code	Manufacturer
14959	Crane Co.	61178	Tuthill Pump Co.
15434	Cummins Engine Co.	61208	Twin Disc Clutch Co.
15472	Cuno Engineering Corp.	61349	United States Gauge Div. American Machine & Metals, Inc.
16712	DeLaval Steam Turbine Co.	63097	Viking Pump Co.
16764	Delco Remy Div. of General Motors Corp.	63743	Ward, Leonard, Electric Co.
17239	Detroit Lubricator Co.	64171	Webb, Elisha, & Son Co.
19728	Electric Auto-Lite Co.	64408	Weinman Pump Mfg. Co.
20019	Electric Specialty Co.	65035	Westinghouse Air Brake Co. Industrial Div.
20049	Electric Tachometer Corp.	70040	AC Spark Plug Div. of General Motors Corp.
20107	Electro Dynamic Works Div. of Electric Boat Co.	70270	Alemite Corp.
21387	Fairbanks Morse & Co.	70691	Auto Engine Works, Inc.
21760	Federal Bearings Co., Inc.	72072	Eco Engineering Co.
23452	Franklin Electric Co., Inc.	72560	Delco Products Div. of General Motors Corp.
23819	Fulton Sylphon Co.	72582	Detroit Diesel Engine Div. of General Motors Corp.
24161	Gates Rubber Co.	72850	Eclipse Machine Div. of Bendix Aviation Corp.
24446	General Electric Co.	73370	Fram Corp.
24617	General Motors Corp.	73680	Garlock Packing Co.
24785	Double A Products Co.	73842	Goodyear Tire & Rubber Co.
27092	Hand, John E., & Sons Co.	74361	Hinckley-Myers Co.
27462	Harrison Radiator Div. of General Motors Corp.	75214	Kahlenberg Brothers Co.
28199	Henschel Corp.	75377	Kurz & Root Co.
29201	Homelite Corp.	75665	Lovejoy Flexible Coupling Co.
30177	Ideal Windlass Co.	76149	Mallory Electric Corp.
30190	Ilg Electric Ventilating Co.	76528	Moffitt, Lucian Q., Inc.
33287	Kent-Moore Organization, Inc.	76726	New England Mica Co., Inc.
35662	Leland Electric Co., The	76727	New England Trawler Equipment Co.
38294	Marine Mfg. & Supply Co.	77260	Pierce Governor Co.
38443	Marlin-Rockwell Corp.	79230	Way Wolff Associates
41311	Monitor Controller Co.	79384	Winslow Engineering Co.
42280	Nash Engineering Co., The	80064	Ships, Bureau of
43334	New Departure Div. of General Motors Corp.	80201	Chicago Rawhide Mfg. Co.
43952	Nordberg Mfg. Co.	81100	Kearfott Co., Inc.
43991	Norma-Hoffmann Bearings Corp.	81996	Transportation Corps
44655	Ohmite Mfg. Co.	82722	Westinghouse Air Brake Co.
49576	Quincy Compressor Co.	88044	Aeronautical Standards Group, Departments of Navy & Air Force
51900	Ross Heater & Mfg. Co.	89382	White, Wilfred O., & Sons, Inc.
52676	S K F Industries, Inc.	89930	Star-Kimble Motor Div. of Miehle Printing Press & Mfg. Co.
53591	<u>Schwitzer Corp.</u>	92578	Penn Controls, Inc.
56365	Square D Co.	94135	Naval Ordnance Standards
56500	Stamford Foundry Co.	96906	Military Standards
57087	Star Electric Motor Co.	98798	P & G Mfg. Co.
57163	Starrett, L. S., Co.	99166	Sundstrand Hydraulic Div. of Sundstrand Machine Tool Co.
58417	Sundstrand Machine Tool Co.		
58476	Superior Engine Div. of National Supply Co.		
59015	Taco Heaters, Inc.		
60038	Timken Roller Bearing Co.		

10. Component Characteristics

a. *General.* Tug, Harbor, Diesel, 600 hp, Steel, 65 ft, Design 3004, is used to move nonpropelled barges in ports and harbors. Its secondary functions include general utility uses, fire fighting, salvage, and assisting in the docking of large vessels. It is transported overseas deck-loaded on a large vessel. It has berthing and messing facilities on board for a crew of six.

b. *Technical Data.*

(1) *Vessel data.*

Length over-all	70 ft 11-1/2 in.
Length, designed waterline	63 ft 9 in.
Beam, molded	19 ft 6 in.
Depth, molded at side	9 ft 2-3/4 in.
Draft, forward, full load	6 ft 7-3/4 in.
Draft, aft, full load	8 ft 2-3/4 in.
Displacement, full load	122 tons
Displacement, light	100 tons
Speed full load	12 knots (approx)

(2) *Engine data.*

Manufacturer	White Motor Co., Diesel Engine Div.
Model	Atlas Imperial 45M5X8
Cylinders	8
Bore	9 in.
Stroke	10-1/2 in.
Displacement	5343.85 cu in.
Rotation	Direct reversible
Horsepower rating	600 hp at 750 rpm
Fuel system	Solid injection, diesel oil
Cooling system	Fresh water w/heat exchanger
Starting method	Direct air
Lubrication system	Pressure feed

(3) *Compressor unit data.*

(a) *Compressor data.*

Manufacturer	Quincy Compressor Co.
Model	D325
Cylinders	2
Bore	4-1/2 in. & 2-1/2 in.
Stroke	3 in.
Capacity	14.0 cfm at 200 psi

(b) *Motor data.*

Manufacturer	Fairbanks Morse & Co.
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Type	DZM
Frame	RX225
Capacity	3 hp
Voltage	115, dc
Speed	1750 rpm

(4) *Windlass unit data.*

(a) *Windlass data*

Manufacturer	Ideal Windlass Co.
Model	TW2CB
Capacity	3000 lb at 30 fpm

(b) *Motor data.*

Manufacturer	Star Kimble Motor Div.
Frame	C254
Capacity	5 hp
Voltage	115, dc
Speed	1750 rpm
Brake	D2-2

(5) *Capstan unit data.*

(a) *Capstan data.*

Manufacturer	Marine Mfg. & Supply Co.
Model	D-6292
Capacity	3000 lb at 30 fpm

(b) *Motor data.*

Manufacturer	Star Kimble Motor Div.
Frame	CB224
Capacity	3 hp
Voltage	115, dc
Speed	1750 rpm
Brake	Type A

(6) *Pump unit (fire & salvage)*

(a) *Pump data.*

Manufacturer	Weinman Pump Mfg. Co.
Model	JC spec 495
Suction diameter	5 in.
Discharge diameter	3 in.
Capacity	500 gpm at 231 ft head
Pressure	100 psi

(b) *Priming pump data.*

Manufacturer	Nash Engineering Co.
Model	AL2
Type	Vacuum
Suction diameter	3/4 in.
Discharge diameter	3/4 in.
Capacity	5 cu ft at 15 in.

(c) *Engine data.*
 Manufacturer Nordberg Mfg. Co.
 Model 4FS3
 Cylinders 3
 Bore 4-1/2 in.
 Stroke 5-1/4 in.
 Displacement 250 cu in.
 Fuel Diesel oil
 Horsepower
 rating 45 hp at 1800 rpm
 Cooling system Fresh water w/heat
 exchanger
 Starting method Electric starting
 motor 24 v
 Lubricating
 system Pressure feed

(7) *Generator set data.*

(a) *Generator data.*

Manufacturer Kurz Root Co.
 Model 4062 Type ES
 Capacity 10 kw
 Voltage 120, dc
 Speed 1450 rpm

(b) *Engine data.*

Manufacturer Nordberg Mfg. Co.
 Model 4FS2
 Cylinders 2
 Bore 4-1/2 in.
 Stroke 5-1/4 in.
 Displacement 167 cu in.
 Fuel Diesel oil
 Horsepower
 rating 25 hp at 1450 rpm
 Cooling system Fresh water w/heat
 exchanger
 Starting method Electric starting
 motor 24 v
 Lubricating
 system Pressure feed

(8) *Generator pump set data.*

(a) *Generator data.*

Manufacturer Kurz Root Co.
 Model 4062 Type ES
 Capacity 10 kw
 Voltage 120, dc
 Speed 1450 rpm

(b) *Pump data.*

Manufacturer Viking Pump Co.
 Model L124
 Suction diameter 2 in.
 Discharge
 diameter 2 in.
 Capacity 90 gpm

Pressure 25 psi
 (c) *Engine data.*
 Manufacturer Nordberg Mfg. Co.
 Model 4FS2
 Cylinders 2
 Bore 4-1/2 in.
 Stroke 5-1/4 in.
 Displacement 167 cu in.
 Fuel Diesel oil
 Horsepower
 rating 25 hp at 1450 rpm
 Cooling system Fresh water w/heat
 exchanger
 Starting method Electric starting
 motor 24 v
 Lubricating
 system Pressure feed

(9) *Generator set data.*

(a) *Generator data.*

Manufacturer Delco Products Div.
 of General Motors
 Model I-3699
 Capacity 20 kw
 Voltage 120/125, dc
 Speed 1200 rpm

(b) *Engine data.*

Manufacturer Detroit Diesel
 Engine Div. of
 General Motors
 Model 2-71G6
 Cylinders 2
 Bore 4-1/4 in.
 Stroke 5 in.
 Displacement 141.9 cu in.
 Fuel system Solid injection,
 diesel oil
 Horsepower
 rating 34 hp at 1200 rpm
 Cooling system Fresh water w/heat
 exchanger
 Starting method Hydraulic starting
 system
 Lubricating
 system Pressure feed

(10) *Pump unit (fuel oil transfer)*

(a) *Pump data.*

Manufacturer DeLaval Steam
 Turbine Co.
 Model A313A143
 Suction diameter 1-1/4 in.
 Discharge
 diameter 1-1/4 in.
 Capacity 15 gpm

Pressure	25 psi
<i>(b) Motor data.</i>	
Manufacturer	Electro Dynamic Co.
Model	S.O. 21-D-1799
Frame	203
Type	BB dripproof, Type R
Capacity	1 hp
Voltage	115, dc
Speed	1750 rpm

(11) Steering device data.

(a) Steering device data.

Manufacturer	American Engineering Co.
Model	3 in. ram
Maximum torque	132,000 in-lb
Capacity	12 sec hard over to hard over total 90 deg

(b) Motor data.

Manufacturer	Star Kimble Motor Div.
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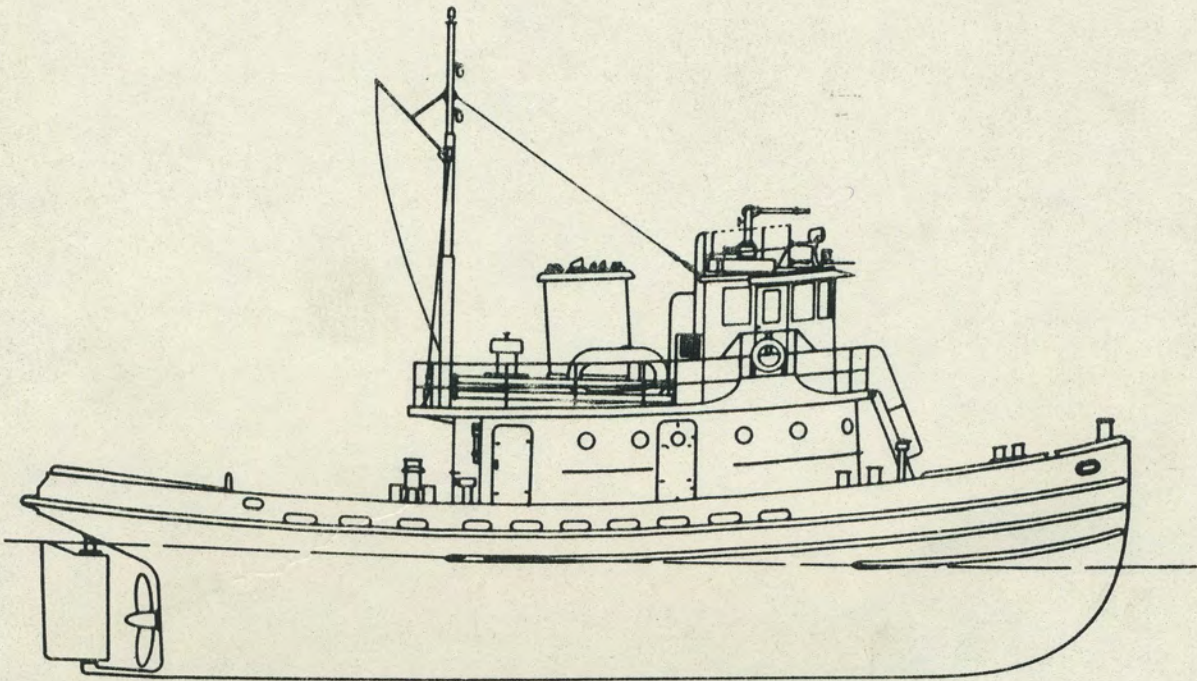
Frame	225
Type	CB225
Capacity	3 hp
Voltage	115, dc
Speed	1150 rpm
Brake	D2-2

11. Hull Numbers

This manual is applicable to hull numbers ST1978 through ST1986, ST1989 through ST1993, and ST2007. The repair parts listed are used on all hulls, unless otherwise noted.

12. Recommendations

Recommendations for changes, additions, deletions, or other corrections will be forwarded on DA Form 2028 (Recommended Changes to DA Technical Manual Parts Lists or Supply Manual 7, 8, or 9) through appropriate channels to the Commanding General, U. S. Army Transportation Materiel Command, ATTN: SMOSM-MTS, P. O. Box 209, Main Office, St. Louis 66, Mo.



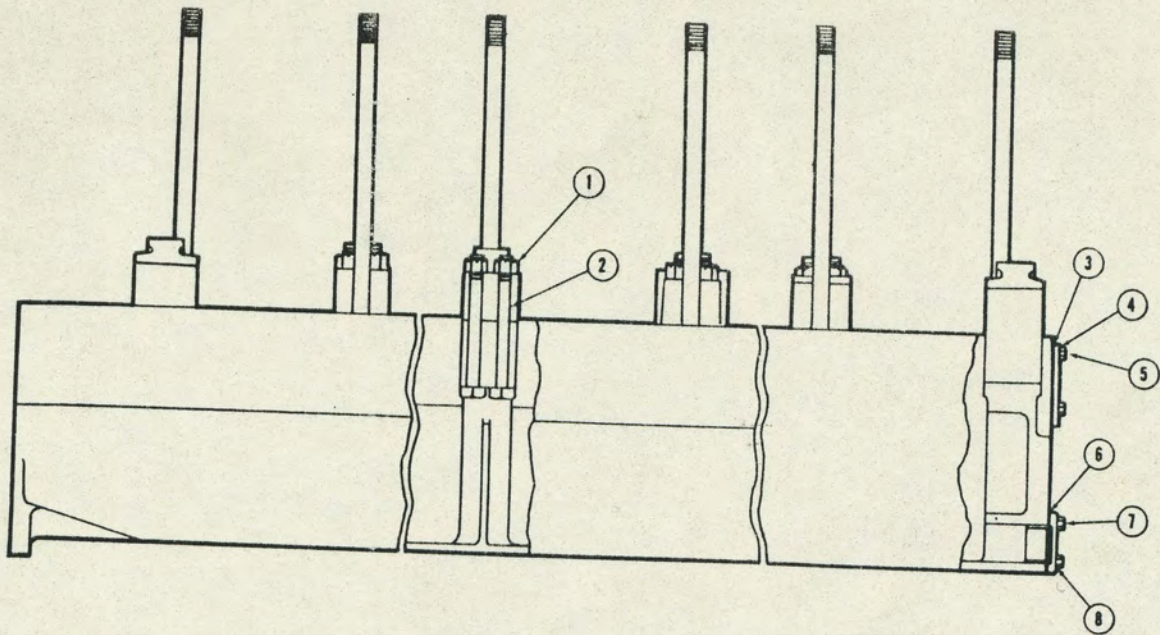
TUG, HARBOR, DIESEL: design 3004
FIGURE 1

(1) SOURCE MAINT. & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOTTANCE PER UN. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TECH. S/C	SOURCE						MAINT. LEVEL	RECOV.	2ND ECHELON			
							1-5	6-20	21-50	51-100	(A)	(B)
		1925-375-3002	TUG, HARBOR, DIESEL: 600 hp, steel, 65 ft, design 3004, hull no. ST1978 thru ST1986, ST1989 thru ST1993 & ST2007	EA	NX						1	
			<u>SECTION II REPAIR PARTS</u> <u>GROUP 01 ENGINE</u> <u>AD100 ENGINE ASSEMBLY</u>									
			Note: The following item was originally manufactured by Atlas Imperial Diesel Engine Co. When requisitioning repair parts refer to White Motor Co, Diesel Engine Div & give ser no. & complete nameplate data of ENGINE, DIESEL.									
			ENGINE, DIESEL: White Motor Co model 45M5X8	1 EA								
C	0	2815-766-7873	GASKET SET: engine (P/N YK1T45M) c/o	SE			*	1	2	2		
			2 EA GASKET, adaptor to gear housing (P/N 4A1142)								9	1
			1 EA GASKET, adaptor to housing (P/N 3A2197)								6	20
			1 EA GASKET, adaptor to turbocharger (P/N 2C4260)								12	6
			1 EA GASKET, air manifold companion flange (P/N 4A1188)								3	22
			8 EA GASKET, breather & explosion valve covers (P/N F1099)								11	2
			1 EA GASKET, center frame to base (P/N 3A3069)								2	6
			1 EA GASKET, center frame to base (P/N 3A3071)								4	4
			14 EA GASKET, center frame to base (P/N 3A3072)								3	17
			4 EA GASKET, center frame to base (P/N 3A3073)								3	19
			1 EA GASKET, cooler connection to manifold (P/N 4A1189)								3	15
			1 EA GASKET, cover to base (P/N 3A2229)								8	6
			1 EA GASKET, cover to block (P/N 3A2208)								3	10
			1 EA GASKET, cover to center frame (P/N 3A2213)								3	6
			2 EA GASKET, cover to center frame (P/N 3A2511)								3	17
			2 EA GASKET, cover to center frame, control side, center (P/N 3A2222)								3	19
			1 EA GASKET, cover to center frame, control side, front (P/N 3A2220)								3	15
			1 EA GASKET, cover to center frame, control side, rear (P/N 3A2221)								8	6
			2 EA GASKET, cover to control housing (P/N 4A1199)								3	10
			1 EA GASKET, cover to gear housing & base (P/N 3A2214)								3	6
			1 EA GASKET, cover to governor drive housing (P/N 3A2217)								3	6
			1 EA GASKET, cover to governor drive housing (P/N 3A2466)								3	6
			1 EA GASKET, cover to housing (P/N 3A2387)								3	6
			1 EA GASKET, cover to housing (P/N 3A2398)								3	6
			8 EA GASKET, cylinder head cover (P/N 3A2258)								5	27
			8 EA GASKET, cylinder head to block (P/N 3A2246)								5	8
			8 EA GASKET, cylinder head to liner (P/N 3A2245)								5	25
			1 EA GASKET, elbow to inlet manifold (P/N 3A2436)								6	32
			16 EA GASKET, elbow to manifold & water outlet hole blind flange (P/N S2334)								6	6
			1 EA GASKET, elbow to turbocharger (P/N 3A2435)								6	28
			1 EA GASKET, filter silencer elbow (P/N 4A1190)								6	22
			9 EA GASKET, flange to base & lube oil pump & line flange (P/N 4A1201)								9	2
			1 EA GASKET, flange to manifold, side (P/N 4A1160)									
			1 EA GASKET, flange to manifold, top (P/N 2C3047)									

(Continued)

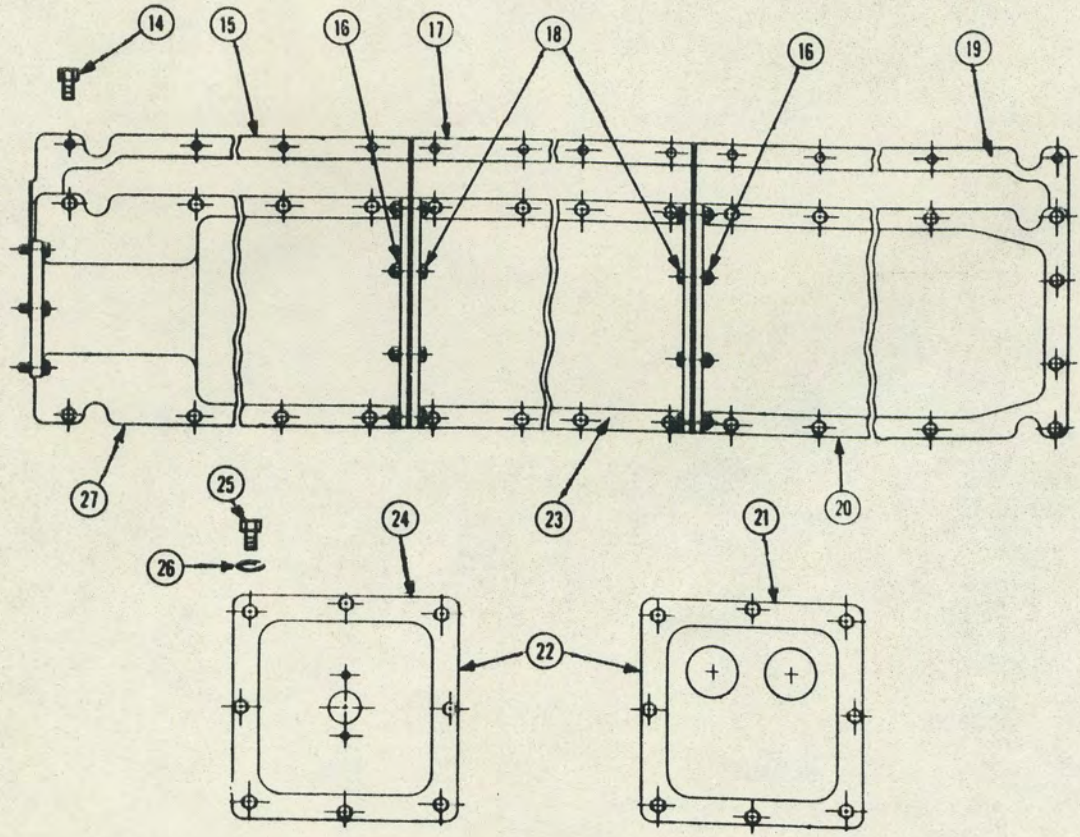
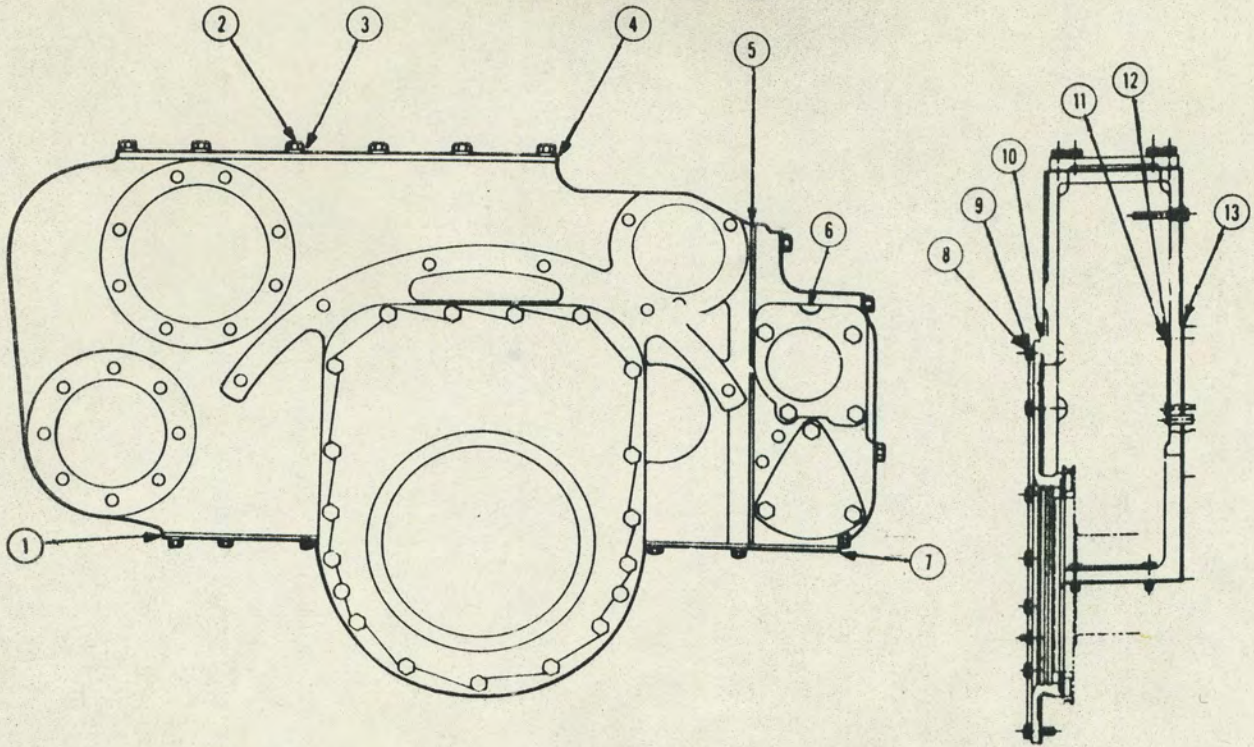
(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS			
TELETYPE	SOURCE	MAINT LEVEL	RECOV.						2ND ECHELON				FIG NO	ITEM NO		
									1-5	6-20	21-80	81-100			(A)	(B)
					<u>AO100 ENGINE ASSEMBLY (CONTINUED)</u>											
					GASKET SET: - Continued c/o											
					2 EA GASKET, flange to pump, discharge & pipe to water pump (P/N 2C2763)									11	10	
					2 EA GASKET, flange to pump, suction & pipe to water pump (P/N 2C2765)									11	11	
					1 EA GASKET, flange to strainer (P/N 3A2461)											
					1 EA GASKET, front cam bearing recess filler (P/N 3A2274)											
					8 EA GASKET, fuel compartment cover to housing (P/N 3A2746)									5	26	
					8 EA GASKET, fuel compartment housing to head (P/N 3A2254)									5	28	
					1 EA GASKET, gear housing to base, control side (P/N 3A2282)									3	7	
					1 EA GASKET, gear housing to base, exhaust side (P/N 3A2273)									3	1	
					1 EA GASKET, gear housing to center frame (P/N 3A2212)									3	13	
					1 EA GASKET, gear housing top cover (P/N 4B1078)									3	4	
					1 EA GASKET, governor drive housing (P/N 3A2219)									3	5	
					1 EA GASKET, governor housing cover (P/N 3A2972)											
					1 EA GASKET, housing to center frame (P/N 3A2340)											
					8 EA GASKET, injection valve to cylinder head (P/N 3A2259)									43	3	
					8 EA GASKET, liner to block (P/N S800)									4	1	
					4 EA GASKET, lube filter bracket & water manifold to block (P/N S1005)									11	17	
					2 EA GASKET, lube oil hole cover to base (P/N 3A2230)									2	3	
					2 EA GASKET, lube oil pump to adaptor, 0.003 in. thk (P/N 4A1203)											
					2 EA GASKET, lube oil pump to adaptor, 0.004 in. thk (P/N 4A1204)											
					2 EA GASKET, lube oil pump to adaptor, 0.005 in. thk (P/N 4A1205)											
					1 EA GASKET, lube oil pump to adaptor, 0.015 in. thk (P/N 4A1202)											
					8 EA GASKET, manifold to camshaft bearing (P/N 4A1105)											
					8 EA GASKET, manifold to cylinder head (P/N 3A2223)									12	1	
					1 EA GASKET, manifold to filter bracket (P/N 4A1207)									11	14	
					1 EA GASKET, manifold to filter bracket (P/N 4A1207A)											
					8 EA GASKET, manifold to head, exhaust (P/N 3A2440)									6	2	
					8 EA GASKET, manifold to head, inlet (P/N 3A2441)									6	1	
					1 EA GASKET, overspeed governor ball bearing cage (P/N 3A3007)											
					1 EA GASKET, overspeed governor drive housing (P/N 4B1090)											
					2 EA GASKET, plug to end cover (P/N 3A2351)									8	5	
					3 EA GASKET, pump to adaptor & cover (P/N CB193)									44	5	
					16 EA GASKET, seat to lifter guide (P/N 3A2240)									5	4	
					1 EA GASKET, tachometer drive opening cover (P/N 3A2228)											
					1 EA GASKET, turbocharger to exhaust manifold (P/N 3A2572)									6	16	
					1 EA GASKET, water pump adaptor, lg (P/N 4A1184)									56	14	
					1 EA GASKET, water pump adaptor, short (P/N 4A1185)									56	17	
					16 EA GROMMET, CYLINDER LINER (P/N 4A1383)									4	2	

(Continued)



1. Nut, Self-Locking: main bearing cap bolt
2. Bolt, Machine: main bearing cap
3. Gasket: lube oil hole cover
4. Washer, Lock: lube oil hole cover screw
5. Screw, Cap, Hexagon Head: lube oil hole cover
6. Gasket: cover to base
7. Screw, Cap, Hexagon Head: cover to base
8. Washer, Lock: cover to base screw
9. Bearing Half, Sleeve: rear
10. Bearing Half, Sleeve: center
11. Bearing Half, Sleeve: front & intermediate

CRANKCASE AND MAIN BEARINGS
FIGURE 2

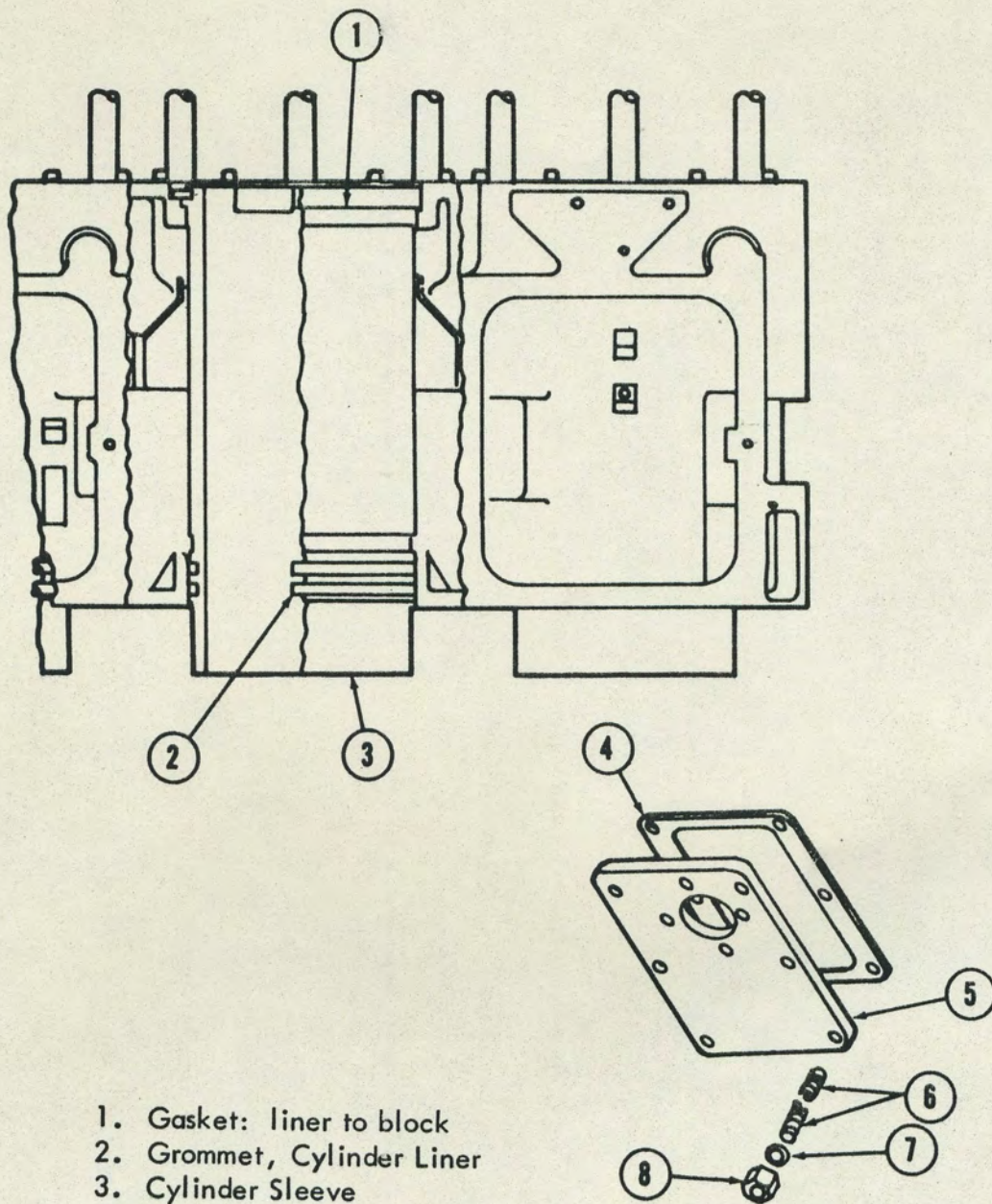


CENTERFRAME
FIGURE 3 (1)

1. Gasket: gear housing to base, exhaust side
2. Screw, Cap, Hexagon Head: gear housing top cover
3. Washer, Lock: gear housing top cover screw
4. Gasket: gear housing top cover
5. Gasket: governor drive housing
6. Gasket: cover to governor drive housing
7. Gasket: gear housing to base, control side
8. Screw, Cap, Hexagon Head: cover to gear housing & base
9. Washer, Lock: cover to gear housing & base screw
0. Gasket: cover to gear housing & base
1. Screw, Cap, Hexagon Head: gear housing to centerframe
2. Washer, Lock: gear housing to centerframe screw
13. Gasket: gear housing to centerframe
14. Screw, Cap, Hexagon Head
15. Gasket: cover to centerframe, rear
16. Nut, Plain, Hexagon: center cover to front & rear cover
17. Gasket: cover to centerframe, center
18. Screw, Cap, Hexagon Head: center cover to front & rear covers
19. Gasket: cover to centerframe, front
20. Cover: centerframe, control side, front
21. Cover: explosion valve
22. Gasket: breather & explosion valve covers
23. Cover: centerframe, control side, center
24. Cover: breather
25. Screw, Cap, Hexagon Head: breather & explosion valve covers
26. Washer, Lock: breather & explosion valve covers screw
27. Cover: centerframe, control side, rear

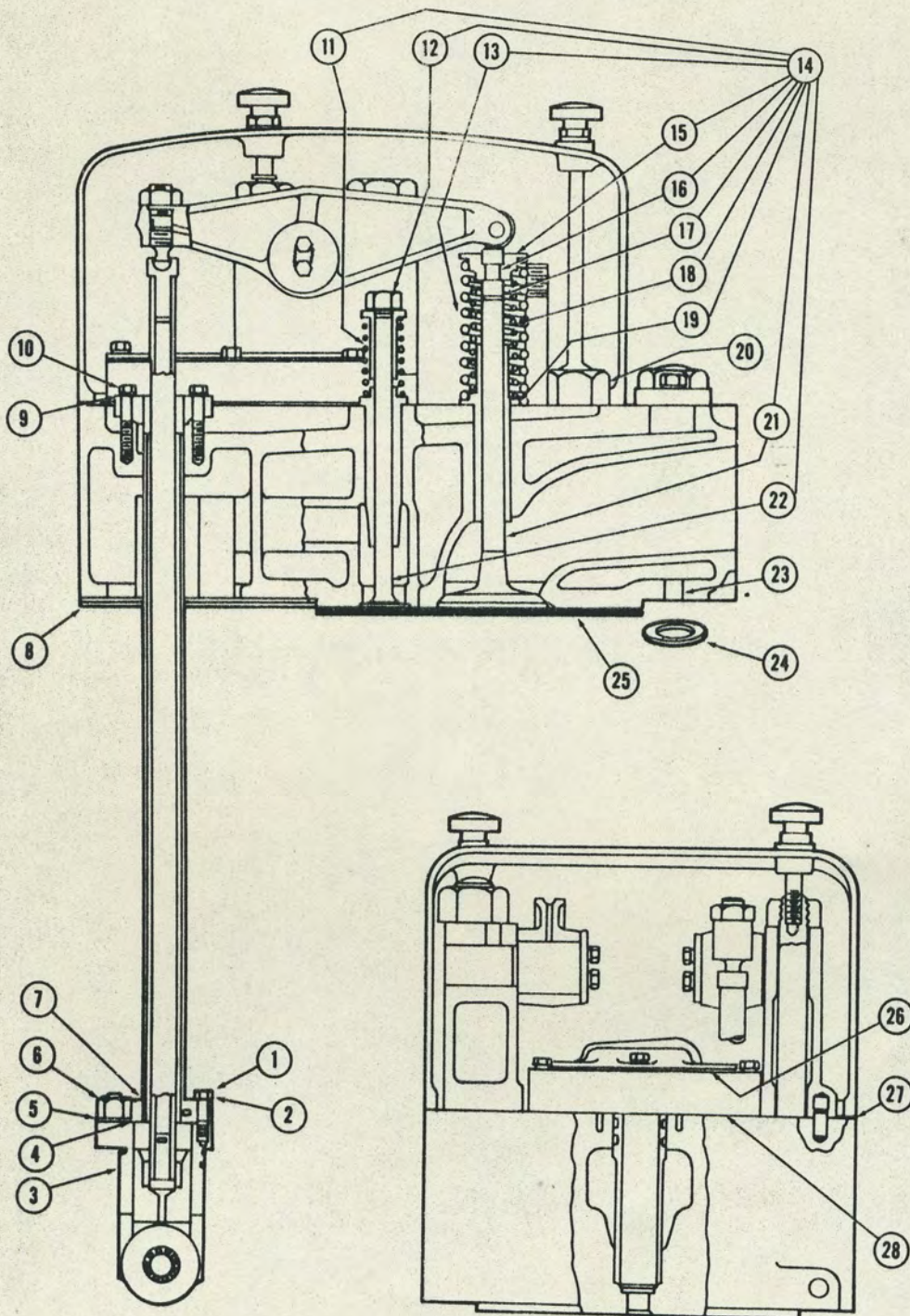
CENTERFRAME
FIGURE 3 (2)

(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TSC/INC SOURCE	MAINT LEVEL	RECOV.						2ND ECHELON				FIG NO	ITEM NO
								1-5	6-20	21-50	51-100		
				<u>A0100 ENGINE ASSEMBLY (CONTINUED)</u>									
				GASKET SET: - Continued c/o 16 EA GROMMET, RUBBER, lifter guide, push rod (P/N 3A2146)								5	3
				32 EA GROMMET, RUBBER, push rod tube seal, lower & upper (P/N 3810)								5	7
				48 EA PACKING, PREFORMED, cylinder block to water by-pass (P/N 10ARB3)								5	23
				1 EA SEAL, air manifold "c" ring (P/N 4A1231)								12	5
				1 PA SEAL, PLAIN, oil, fuel transfer pump (P/N 2C2478P)								44	4
				2 EA SEAL, PLAIN ENCASED, oil, drive shaft (P/N 50320)								56	15
				40 EA WASHER, NONMETALLIC, cylinder head stud (P/N 3A2717)								5	24
				<u>A0101 CRANKCASE</u>									
				BASE ASSEMBLY: lower crankcase (P/N 4Y1053) 1 EA									
C	O		5306-283-0414	BOLT, MACHINE: main bearing cap (P/N 3A3082)	EA		32	*	*	*	*	2	2
C	O		5310-283-0979	NUT, SELF-LOCKING: main bearing cap bolt (P/N 3A3085)	EA		32	*	*	*	*	2	1
S	P	O	2815-097-1865	GASKET: access cover (P/N F1099)	EA		8	4	8	16	20	3	22
C	O		5330-377-2764	cover to base (P/N 3A2229)	EA		1	*	1	1	2	2	6
C	O		5330-377-2783	cover to center frame, control side, center (P/N 3A2222)	EA		2	1	1	2	2	3	17
P	O		5330-377-2781	cover to center frame, control side, front (P/N 3A2220)	EA		1	*	1	1	2	3	19
C	O		5330-377-2784	cover to center frame, control side, rear (P/N 3A2221)	EA		1	*	1	1	2	3	15
C	O		5330-377-2832	flange to base (P/N 4A1201)	EA		1	*	1	1	2		
C	O		5330-377-2765	lube oil hole cover to base (P/N 3A2230)	EA		2	1	1	2	2	2	3
P	O		5310-816-1030	NUT, PLAIN, HEXAGON: center cover to front & rear cover, 1/2 in.-13 NC (P/N MS350901-805)	EA		12	φ	φ	φ	φ	3	16
C	O		5305-022-7630	SCREW, CAP, HEXAGON HEAD: breather & explosion valve covers, 1/2 in.-13 NC, 7/8 in. lg (P/N 227630)	EA		64	φ	φ	φ	φ	3	25
C	O		5305-017-9887	SCREW, CAP, HEXAGON HEAD: mtg, center cover to front & rear covers, 1/2 in.-13 NC, 1-3/4 in. lg (P/N MS35295-114)	EA		12	φ	φ	φ	φ	3	18
C	O		5305-010-0159	SCREW, CAP, HEXAGON HEAD: mtg, 1/2 in.-13 NC, 1-1/4 in. lg (P/N 100159) 4 EA base cover 38 EA cover to center frame, control side 8 EA lube oil hole cover	EA		50	φ	φ	φ	φ	2	7
												3	14
												2	5



1. Gasket: liner to block
2. Grommet, Cylinder Liner
3. Cylinder Sleeve
4. Gasket: cover to block
5. Cover
6. Stud: cover to block
7. Washer, Lock: cover to block stud
8. Nut, Plain, Hexagon: cover to block stud

CYLINDER BLOCK
FIGURE 4

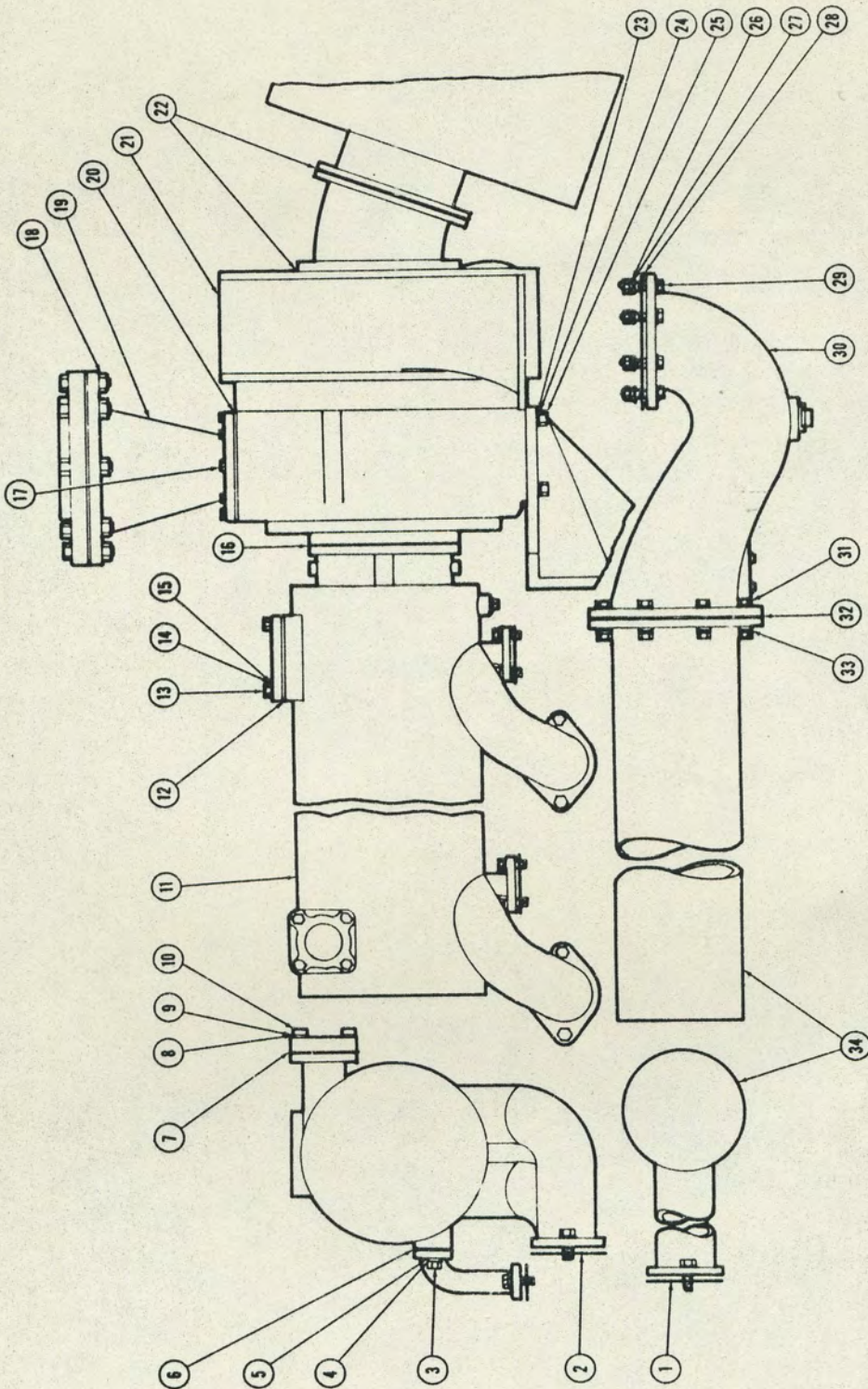


CYLINDER HEAD AND VALVE OPERATING MECHANISM
 FIGURE 5 ①

1. Screw, Cap, Hexagon Head: tube seal cover
2. Washer, Lock: tube seal cover screw
3. Grommet, Rubber: push rod lifter guide
4. Gasket: seat to lifter guide
5. Washer, Lock: lifter guide nut
6. Nut, Plain, Hexagon: lifter guide
7. Grommet, Rubber: push rod tube seal
8. Gasket: cylinder head to block
9. Washer, Lock: push rod tube gland screw
10. Screw, Cap, Hexagon Head: push rod tube gland
11. Spring, Helical, Compression: air start check valve
12. Nut, Castellated, Hexagon
13. Spring, Helical, Compression: poppet valve, outer
14. Cylinder Head
15. Retainer
16. Lock, Valve Spring Retainer
17. Ring, Valve
18. Spring, Helical, Compression: poppet valve, inner
19. Washer, Flat
20. Nut, Plain, Hexagon: cylinder head stud
21. Valve, Poppet, Engine
22. Valve, Check
23. Packing, Preformed
24. Washer, Nonmetallic: cylinder head stud
25. Gasket: cylinder head to liner
26. Gasket: fuel compartment cover to housing
27. Gasket: cylinder head cover
28. Gasket: fuel compartment housing to head

CYLINDER HEAD AND VALVE OPERATING MECHANISM
 FIGURE 5 (2)

(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER		(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TECHNICAL SOURCE	MAINT LEVEL	REGISTRY						2ND ECHELON				FIG NO	ITEM NO	
								1-5	6-20	21-50	51-100			(A)
<u>A0101 CLANKCASE (CONTINUED)</u>														
C	O		5310-010-3323	WASHER, LOCK: mtg screw, 1/2 in. nom screw size (P/N MS35338-10) 4 EA base cover 64 EA breather & explosion valve covers 8 EA lube oil hole cover	EA		72	φ	φ	φ	φ	2	8	
												3	26	
												2	4	
<u>A0103 BLOCK</u>														
C	O		5330-377-2785	GASKET: cover to block (P/N 3A2208)	EA		1	*	1	1	2	4	4	
P	O		5310-022-5831	NUT, PLAIN, HEXAGON: cover to block stud, 3/8 in.-16 NC (P/N AN340-616)	EA		6	φ	φ	φ	φ	4	8	
C	O		5307-206-3125	STUD: cover to block (P/N M1773)	EA		6	*	*	*	*	4	6	
P	O		5310-261-7340	WASHER, LOCK: cover to block stud nut, 3/8 in. nom screw size (P/N MS35338-8)	EA		6	φ	φ	φ	φ	4	7	
<u>A0105 CYLINDER HEAD</u>														
P	O		2815-775-7797	CYLINDER HEAD: assy (P/N 4Y1048)	EA		8	*	*	*	*	5	14	
5	P	O	2815-528-6070	LOCK, VALVE SPRING RETAINER (P/N C6461)	EA		32	*	*	*	*	5	16	
P	O		5310-167-1291	NUT, CASTELLATED, HEXAGON: air start valve, 5/8 in.-18 NF (P/N AN310-10)	EA		8	φ	φ	φ	φ	5	12	
C	O		5315-012-0123	PIN, COTTER: air start valve nut, 1/8 in. dia, 1-1/4 in. lg (P/N MS24665-355)	EA		8	φ	φ	φ	φ			
5	P	O	2815-361-5375	RETAINER: valve spring (P/N C6462)	EA		16	*	*	*	*	5	15	
5	P	O	2815-377-2795	RING, VALVE: safety retainer (P/N 3A2456)	EA		16	*	*	*	*	5	17	
	P	O	5340-377-2798	SPRING, HELICAL, COMPRESSION: air start check valve (P/N 3A2257)	EA		8	*	*	*	*	5	11	
	P	O	5340-377-2797	poppet valve, inner (P/N 3A2537)	EA		16	*	*	*	*	5	18	
	P	O	2815-377-2796	poppet valve, outer (P/N 3A2538)	EA		16	*	*	*	*	5	13	
5	P	O	4820-377-2803	VALVE, CHECK: air start (P/N 3A2182)	EA		8	*	*	*	*	5	22	
5	P	O	2815-377-2801	VALVE, POPPET, ENGINE: exhaust & inlet (P/N 3A2054)	EA		16	*	*	*	*	5	21	
C	O		5310-670-9476	WASHER, FLAT: valve spring lower guide (P/N 3A2243)	EA		16	*	*	*	*	5	19	
<u>GASKET:</u>														
5	P	O	2815-377-2789	cylinder head to block (P/N 3A2246)	EA		8	4	8	12	16	5	8	
5	P	O	2815-377-2788	cylinder head to liner (P/N 3A2245)	EA		8	2	4	6	8	5	25	
	P	O	5330-377-2792	fuel compartment cover to housing (P/N 3A2746)	EA		8	2	4	6	8	5	26	
	P	O	5330-377-2791	fuel compartment housing to head (P/N 3A2254)	EA		8	2	4	6	8	5	28	
	P	O	5330-361-9438	water outlet hole blind flange (P/N S2334)	EA		8	2	4	6	8	6	6	
	P	O	5325-977-1077	GROMMET, RUBBER: push rod tube seal, upper (P/N S810)	EA		16	2	4	6	8			
C	O		5310-021-8447	NUT, PLAIN, HEXAGON: cylinder head stud, 1-1/4 in.-7 NC (P/N 218447)	EA		48	φ	φ	φ	φ	5	20	
P	O		5330-414-4628	PACKING, PREFORMED: cylinder block to water by-pass (P/N 610ARB3)	EA		48	10	20	30	40	5	23	



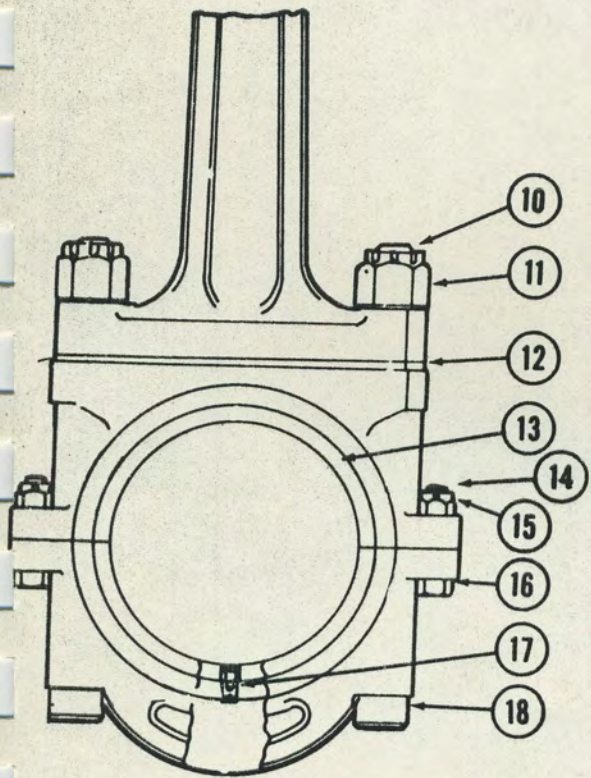
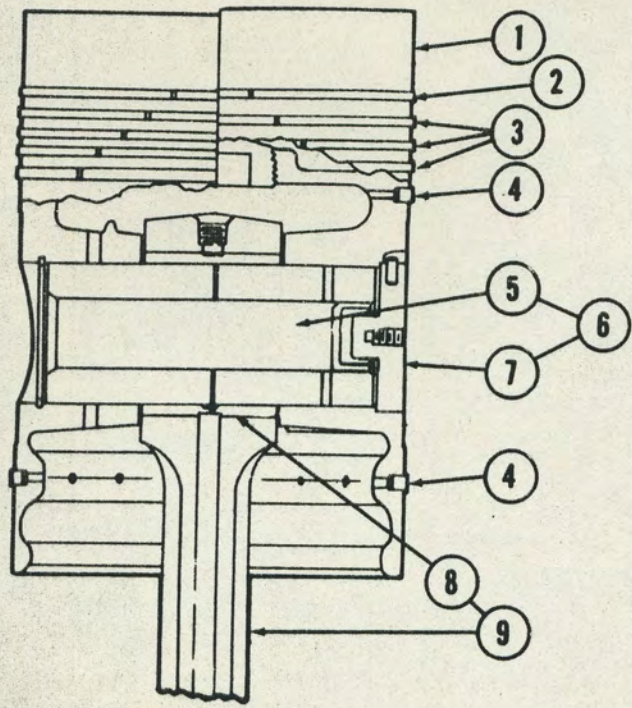
TURBOCHARGER AND MANIFOLDS
FIGURE 6

①

1. Gasket: manifold to head, inlet
2. Gasket: manifold to head, exhaust
3. Screw, Cap, Hexagon Head: elbow to manifold & head
4. Washer, Lock: elbow to manifold & head screw
5. Washer, Flat: elbow to manifold & head screw
6. Gasket: elbow to manifold & head
7. Gasket: exhaust manifold to water outlet flange
8. Washer, Flat: exhaust manifold water outlet flange screw
9. Washer, Lock: exhaust manifold water outlet flange screw
10. Screw, Cap, Hexagon Head: exhaust manifold water outlet flange
11. Manifold, Exhasut
12. Gasket: flange to manifold, top
13. Screw, Cap, Hexagon Head: turbocharger water outlet flange
14. Washer, Lock: turbocharger water outlet flange screw
15. Washer, Flat: turbocharger water outlet flange screw
16. Gasket: turbocharger to exhaust manifold
17. Screw, Cap, Hexagon Head: adaptor to turbocharger
18. Washer, Flat: turbocharger to exhaust manifold screw
19. Adaptor
20. Gasket: adaptor to turbocharger
21. Turbocharger Assembly
22. Gasket: filter silencer elbow
23. Washer, Flat: bracket to turbocharger screw
24. Washer, Lock: bracket to turbocharger screw
25. Screw, Cap, Hexagon Head: bracket to turbocharger
26. Washer, Lock: elbow to turbocharger screw
27. Washer, Flat: elbow to turbocharger screw
28. Gasket: elbow to turbocharger
29. Screw, Cap, Hexagon Head: elbow to turbocharger
30. Elbow
31. Screw, Cap, Hexagon Head: elbow to inlet manifold
32. Gasket: elbow to inlet manifold
33. Washer, Flat: elbow to inlet manifold screw
34. Manifold, Inlet

TURBOCHARGER AND MANIFOLDS
 FIGURE 6 (2)

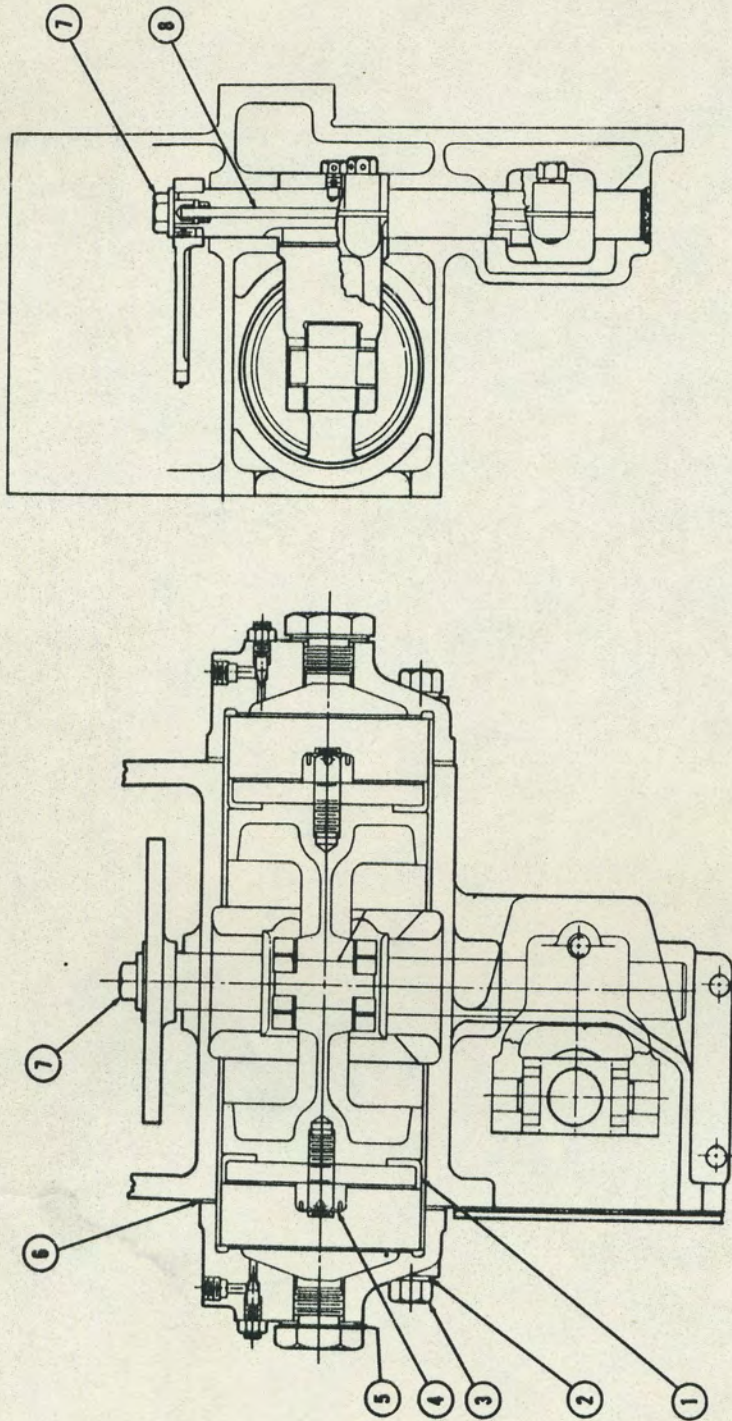
(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 18 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TRUCK/VC SOURCE	MAINT LEVEL						RECOV.	2ND ECHELON				FIG NO (A)	ITEM NO (B)
								1-5	6-20	21-80	81-100		
			<u>A0105 CYLINDER HEAD (CONTINUED)</u>										
C	O	5305-010-0137	SCREW, CAP, HEXAGON HEAD: push rod tube gland, upper, 3/8 in.-16 NC, 1-3/4 in. lg (P/N MS35295-65)	EA		32	φ	φ	φ	φ	5	10	
C	O	5305-010-0159	water outlet hole blind flange, 1/2 in.-13 NC, 1-1/4 in. lg (P/N 109159)	EA		16	φ	φ	φ	φ	5	13	
P	O	5310-261-7340	WASHER, LOCK: push rod tube gland screw, 3/8 in. nom screw size (P/N MS35338-8)	EA		32	φ	φ	φ	φ	5	9	
C	O	5310-012-0384	water outlet hole blind flange screw, 1/2 in. nom screw size (P/N MS35338-29)	EA		16	φ	φ	φ	φ	6	4	
C	O	5330-285-4219	WASHER, NONMETALLIC: cylinder head stud (P/N 3A2717)	EA		40	4	8	12	16	5	24	
			<u>A0107 CRANKSHAFT</u>										
P	O	3120-368-5572	BEARING HALF, SLEEVE: main center (P/N 3A2026)	EA		2	1	2	2	2	2	10	
P	O	3120-368-5570	front & intermediate (P/N 3A2028)	EA		14	8	16	24	32	2	11	
P	O	3120-368-5571	rear, thrust (P/N 3A3012)	EA		2	1	2	2	2	2	9	
			<u>A0111 PISTONS, CONNECTING RODS</u>										
P	O	3120-368-5575	BEARING HALF, SLEEVE: connecting rod (P/N 3A2055)	EA		16	10	20	30	40	7	13	
C	O	5306-097-5642	BOLT: bearing assy to connecting rod (P/N 3A2089)	EA		32	*	*	*	*	7	18	
P	O	5310-021-8459	NUT, CASTELLATED, HEXAGON: bearing assy screw, 1/2 in.-13 NC (P/N 218459)	EA		16	φ	φ	φ	φ	7	15	
C	O	5310-281-9409	bearing assy to connecting rod bolt (P/N 3A2458)	EA		32	*	*	*	*	7	11	
C	O	5315-010-3385	PIN, COTTER: bearing assy nut, 1/8 in. dia, 1 in. lg (P/N 103385)	EA		16	φ	φ	φ	φ	7	14	
P	O	5315-010-3388	bearing assy to rod bolt, 1/8 in. dia, 1-3/4 in. lg (P/N MS24665-377)	EA		32	φ	φ	φ	φ	7	10	
5	P	O	2815-377-2804	PIN, PISTON: incl plug (P/N 3A2578X)	EA		8	*	*	*	*	7	6
C	O	5315-377-2805	PIN, STRAIGHT, HEADLESS: bearing shell dowel (P/N 3A2076)	EA		8	*	*	*	*	7	17	
5	P	O	2815-377-2806	PISTON ASSEMBLY: cylinder, incl plugs (P/N 3A2832X)	EA		8	*	*	*	*	7	1
5	P	O	2815-377-2808	RING, PISTON: compression no. 1, top (P/N 3A2700)	EA		8	4	8	12	16	7	2
5	P	O	2815-377-2809	no. 2, 3 & 4 (P/N 3A2169)	EA		24	12	24	36	48	7	3
5	P	O	2815-377-2810	RING, PISTON: oil, no. 5 & 6 (P/N 3A2166)	EA		16	8	12	16	20	7	4
5	PI	O	2815-034-8167	ROD ASSEMBLY, CONNECTING: incl piston pin bushing (P/N 3A2192X)	EA		8	*	*	*	*	7	9
C	O	5305-793-6827	SCREW, CAP, HEXAGON HEAD: bearing assy lower half to upper half (P/N C2608L21-4)	EA		16	*	*	*	*	7	16	



1. Piston Assembly
2. Ring, Piston: compression, no. 1
3. Ring, Piston: compression, no. 2, 3 & 4
4. Ring, Piston: oil, no. 5 & 6
5. Pin
6. Pin, Piston: incl plug
7. Plug
8. Bearing, Sleeve
9. Rod Assembly, Connecting
10. Pin, Cotter: bearing assy to rod bolt
11. Nut, Castellated, Hexagon: bearing assy to rod bolt
12. Shim Set
13. Bearing Half, Sleeve
14. Pin, Cotter: bearing assy nut
15. Nut, Castellated, Hexagon: bearing assy screw
16. Screw, Cap, Hexagon Head
17. Pin, Straight, Headless: rod bearing dowel
18. Bolt: bearing assy to rod

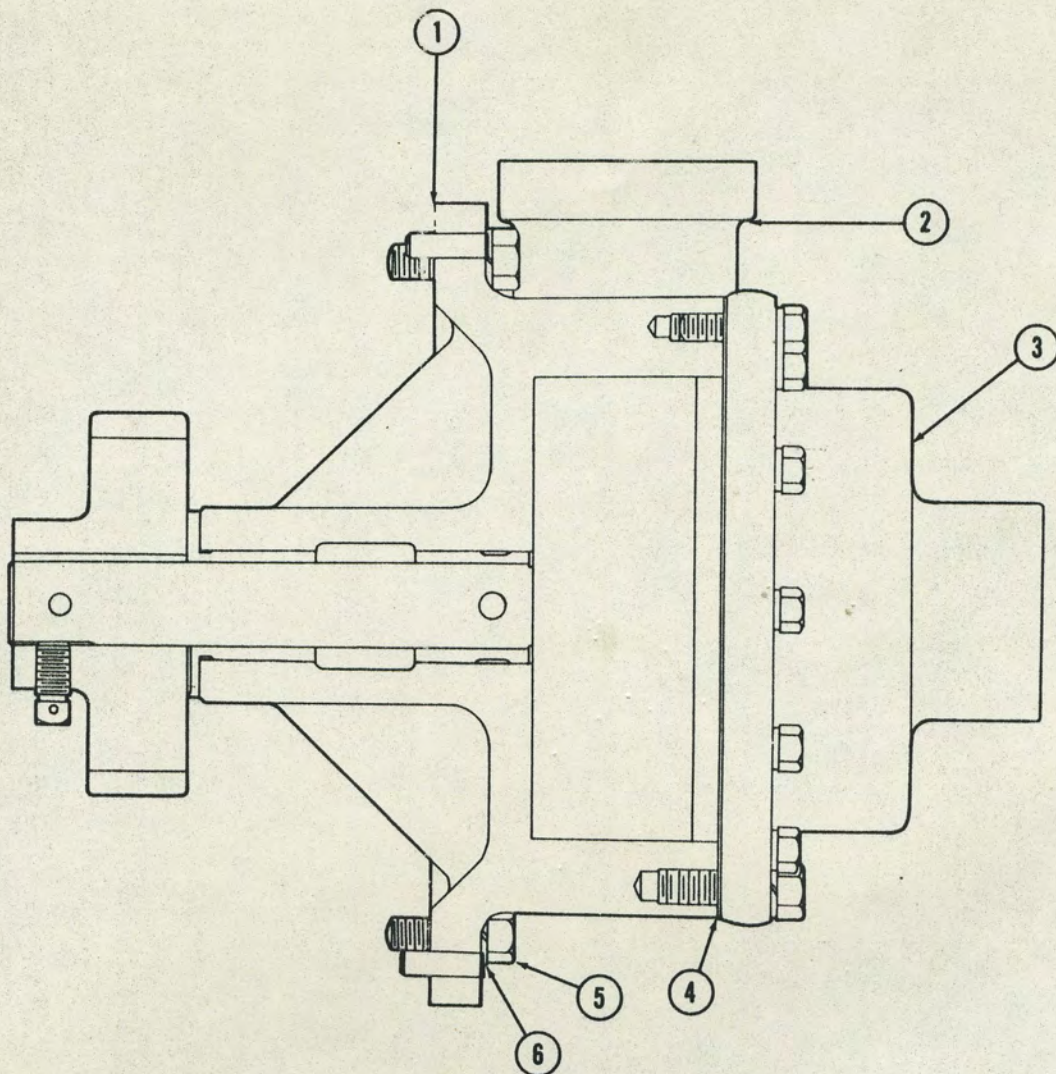
PISTON AND CONNECTING ROD
FIGURE 7

(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TROUBLE SOURCE	MAINT LEVEL						RECOV. CODE	2ND ECHELON				FIG NO
							1-5	6-20	21-50	51-100	(A)	(B)
<u>A0113 CYLINDER SLEEVES</u>												
5	P	0	2815-305-5861	CYLINDER SLEEVE: incl dowel pin (P/N 3A2210X)	EA	8	*	*	*	*	4	3
	C	0	5330-414-2455	GASKET: liner to block (P/N S800)	EA	8	2	4	6	8	4	1
5	C	0	2815-361-5371	GROMMET, CYLINDER LINER (P/N 604KXH)	EA	16	2	4	6	8	4	2
<u>A0115 VALVES, VALVE OPERATING MECHANISM & TIMING SYSTEM</u>												
<u>A0115.02 ROCKER ARMS, TAPPETS</u>												
	P	0	5330-377-2790	GASKET: cylinder head cover (P/N 3A2258)	EA	8	2	4	6	8	5	27
	C	0	5330-377-2793	seat to lifter guide (P/N 3A2240)	EA	16	2	2	4	4	5	4
10	C	0	5325-588-5524	GROMMET, RUBBER: lifter guide, push rod (P/N 3A2146)	EA	16	2	2	4	4	5	3
	C	0	5325-977-1077	push rod tube seal, lower (P/N S810)	EA	16	2	2	4	4	5	7
	C	0	5310-260-7916	NUT, PLAIN, HEXAGON: lifter guide, 5/8 in.-18 NF	EA	32	φ	φ	φ	φ	5	6
	C	0	5305-292-5731	SCREW, CAP, HEXAGON HEAD: tube seal cover, 3/8 in.-16 NC, 1-1/4 in. lg (P/N 109258)	EA	32	φ	φ	φ	φ	5	1
9	C	0	5310-011-5553	WASHER, LOCK: lifter guide nut, 5/8 in. nom screw size (P/N MS35333-12)	EA	32	φ	φ	φ	φ	5	5
	P	0	5310-261-7340	tube seal cover screw, 3/8 in. nom screw size (P/N MS35338-8)	EA	32	φ	φ	φ	φ	5	2
<u>A0115.05 TIMING GEARS</u>												
	C	0	5330-377-2776	GASKET: cover to gear housing & base (P/N 3A2214)	EA	1	*	*	2	2	3	10
	C	0	5330-377-2779	cover to governor drive housing (P/N 3A2466)	EA	1	*	*	2	2	3	6
	C	0	5330-377-2772	gear housing to base, control side (P/N 3A2282)	EA	1	*	*	2	2	3	7
	C	0	5330-377-2773	gear housing to base, exhaust side (P/N 3A2273)	EA	1	*	*	2	2	3	1
	C	0	5330-377-2771	gear housing to center frame (P/N 3A2212)	EA	1	*	*	2	2	3	13
	C	0	5330-377-2777	gear housing top cover (P/N 4B1078)	EA	1	*	*	2	2	3	4
	C	0	5330-377-2778	governor drive housing (P/N 3A2219)	EA	1	*	*	2	2	3	5
	C	0	5330-377-2817	overspeed governor drive housing (P/N 4B1090)	EA	1	*	*	2	2		
	C	0	5305-414-4357	SCREW, CAP, HEXAGON HEAD: mtg, 1/2 in.-13 NC, 1-1/4 in. lg 17 EA cover to gear housing & base 11 EA gear housing to center frame	EA	28	φ	φ	φ	φ	3	8
											3	11
	C	0	5305-010-0159	SCREW, CAP, HEXAGON HEAD: gear housing to center frame, 1/2 in.-13 NC, 1-1/4 in. lg	EA	3	φ	φ	φ	φ	3	11
9	C	0	5305-012-2408	gear housing top cover, 1/2 in.-13 NC, 1 in. lg (P/N 122408)	EA	12	φ	φ	φ	φ	3	2
	C	0	5310-012-0384	WASHER, LOCK: 1/2 in. nom screw size (P/N MS35338-29) 17 EA cover to gear housing & base 14 EA gear housing to center frame 12 EA gear housing top cover	EA	43	φ	φ	φ	φ	3	9
											3	12
											3	3



- 1. Cup: piston seal
- 2. Washer, Lock
- 3. Screw, Cap, Hexagon Head
- 4. Nut, Slotted, Hexagon
- 5. Gasket: plug to end cover
- 6. Gasket: cover to control housing
- 7. Bolt, Internally Relieved Body
- 8. Wick

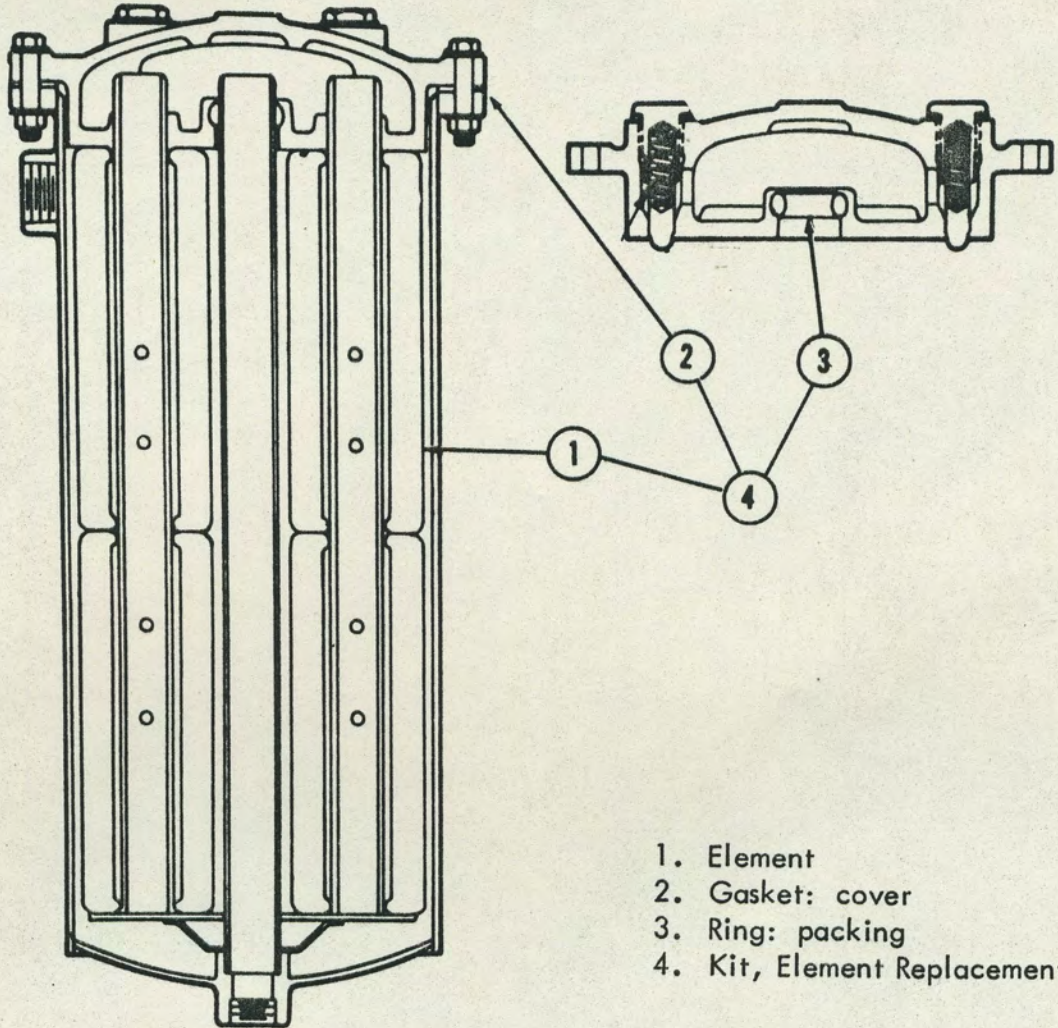
REVERSING AIR CYLINDER
FIGURE 8



1. Gasket: adaptor to gear housing
2. Gasket: flange
3. Pump, Lubricating Oil Assembly
4. Gasket: pump to adaptor
5. Screw, Cap, Hexagon Head
6. Washer, Lock

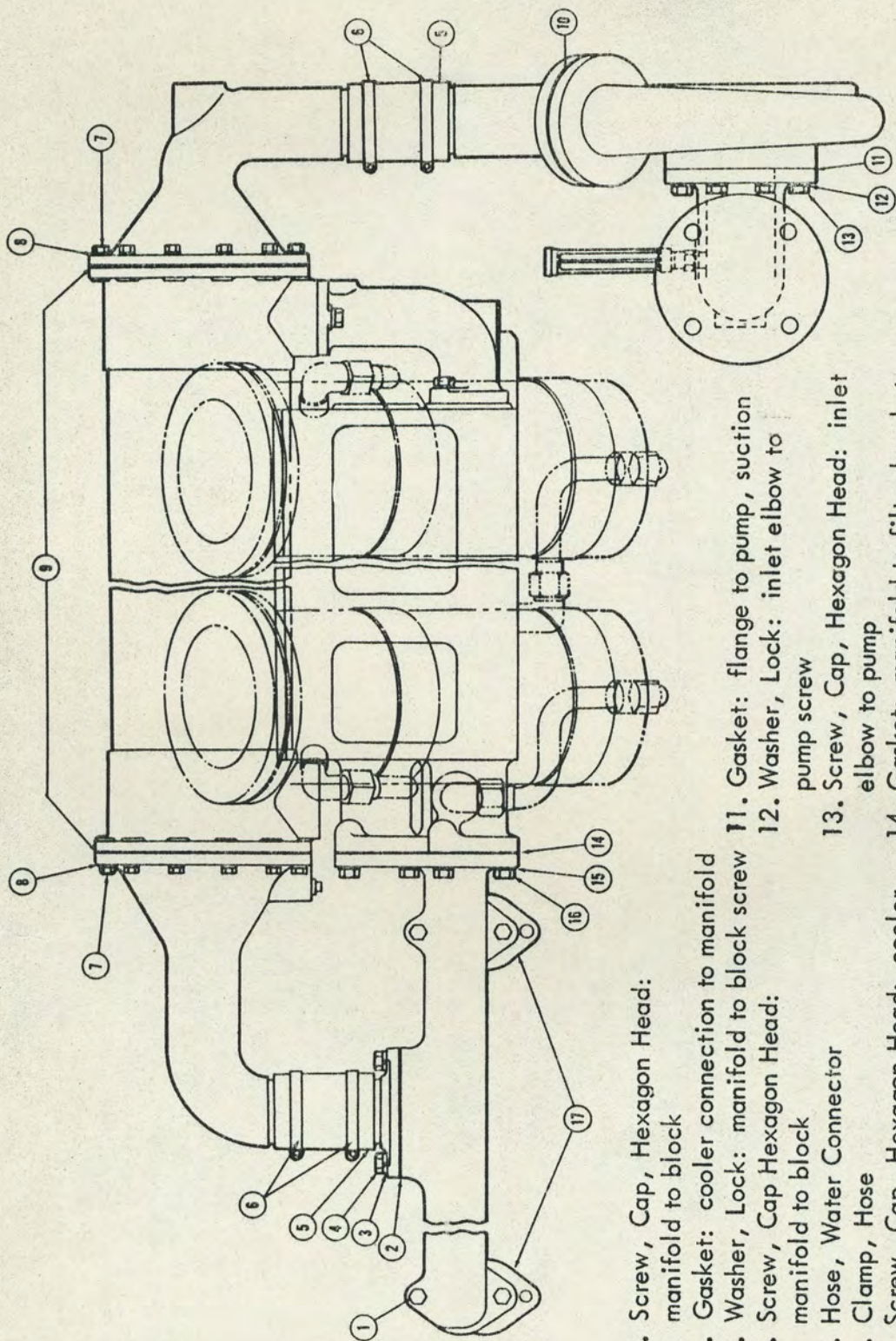
LUBE OIL PUMP
FIGURE 9

(1) SOURCE MAINT & REC'D CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDIBILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TECH. SPEC.	SOURCE	MAINT LEVEL	REC'D.						2ND ECHELON				FIG NO	ITEM NO
									1-5	6-20	21-50	51-100		
					<u>A0115.06 REVERSING AIR CYLINDER & CAMSHAFT SHIFTER</u>									
	C	O		5306-292-5325	BOLT, INTERNALLY RELIEVED BODY: quadrant & wick retaining (P/N 4A1192)	EA		1	*	*	*	*	8	7
	C	O		2815-376-0565	CUP: air cylinder piston seal (P/N PC68577)	EA		2	*	*	1	1	8	1
	C	O		5330-377-2823	GASKET: cover to control housing (P/N 4A1199)	EA		2	*	*	2	2	8	6
	C	O		5330-377-2824	plug to end cover (P/N 3A2351)	EA		2	*	*	2	2	8	5
	C	O		5310-012-3935	NUT, SLOTTED, HEXAGON: follower to piston stud, 3/4 in.-10 NC (P/N MS35692-1205)	EA		2	φ	φ	φ	φ	8	4
	C	O		5305-207-2576	SCREW, CAP, HEXAGON HEAD: end cover to air cylinder, 3/4 in.-10 NC, 3 in. lg (P/N 100200)	EA		8	φ	φ	φ	φ	8	3
	C	O		5310-013-1046	WASHER, LOCK: cover screw, 3/4 in. nom screw size (P/N MS35338-32)	EA		8	φ	φ	φ	φ	8	2
5	C	O		2815-651-4251	WICK: shaft lubricating (P/N 4A1178)	EA		1	*	1	2	2	8	8
					<u>A0117 ENGINE LUBRICATING SYSTEM A0117.01 OIL PUMP ASSEMBLY</u>									
	P	O		5330-377-2831	GASKET: adaptor to gear housing (P/N 4A1142)	EA		2	*	*	2	2	9	1
	C	O		5330-377-2832	flange to base (P/N 4A1201)	EA		2	*	*	2	2	9	2
5	P	O		2815-338-6781	PUMP, LUBRICATING OIL ASSEMBLY: engine pressure & sump suction (P/N 7RCSAX497)	EA		2	*	*	*	*	9	3
	C	O		5305-017-9885	SCREW, CAP, HEXAGON HEAD: flange to base, 1/2 in.-13 NC, 1-1/2 in. lg (P/N MS35295-113)	EA		16	φ	φ	φ	φ	9	5
	C	O		5310-012-0384	WASHER, LOCK: flange to base screw, 1/2 in. nom screw size (P/N MS35338-29)	EA		16	φ	φ	φ	φ	9	6
					<u>A0117.02 OIL FILTERS</u>									
9	C	O		2930-361-9463	GASKET: lube filter bracket to block (P/N S1005)	EA		2	*	*	2	2		
	P	O		2910-377-2838	KIT, ELEMENT REPLACEMENT: lube oil filters (P/N 3473) c/o 8 EA ELEMENT, filter (P/N 8226) 1 EA GASKET, cover (P/N 3305) 1 EA RING, packing (P/N 4857)	EA		AR	*	*	*	*	10	4
													10	1
													10	2
													10	3
					<u>A0117.03 OIL COOLER</u>									
	C	O		4730-278-1406	CLAMP, HOSE: water inlet & outlet, 1 1/16 in. to 3-5/8 in. id	EA		4	φ	φ	φ	φ	11	6
					GASKET: cooler connection to manifold (P/N 4A1189)	EA		1	*	*	2	2	11	2
	C	O		2930-499-2032	cooler inlet & outlet connections (P/N 2G8B101)	EA		2	*	*	2	2	11	9
	C	O		5330-377-2836	flange to pump, suction (P/N 2C2765)	EA		1	*	*	2	2	11	11
	C	O		5330-305-6144	manifold to filter bracket (P/N 4A1207)	EA		1	*	*	2	2	11	14
9	P	O		2930-377-2837	pipe to water pump, discharge (P/N 2C2763)	EA		1	*	*	2	2	11	10
9	P	O		2930-361-9463	water manifold to block (P/N S1005)	EA		2	*	1	2	2	11	17



- 1. Element
- 2. Gasket: cover
- 3. Ring: packing
- 4. Kit, Element Replacement

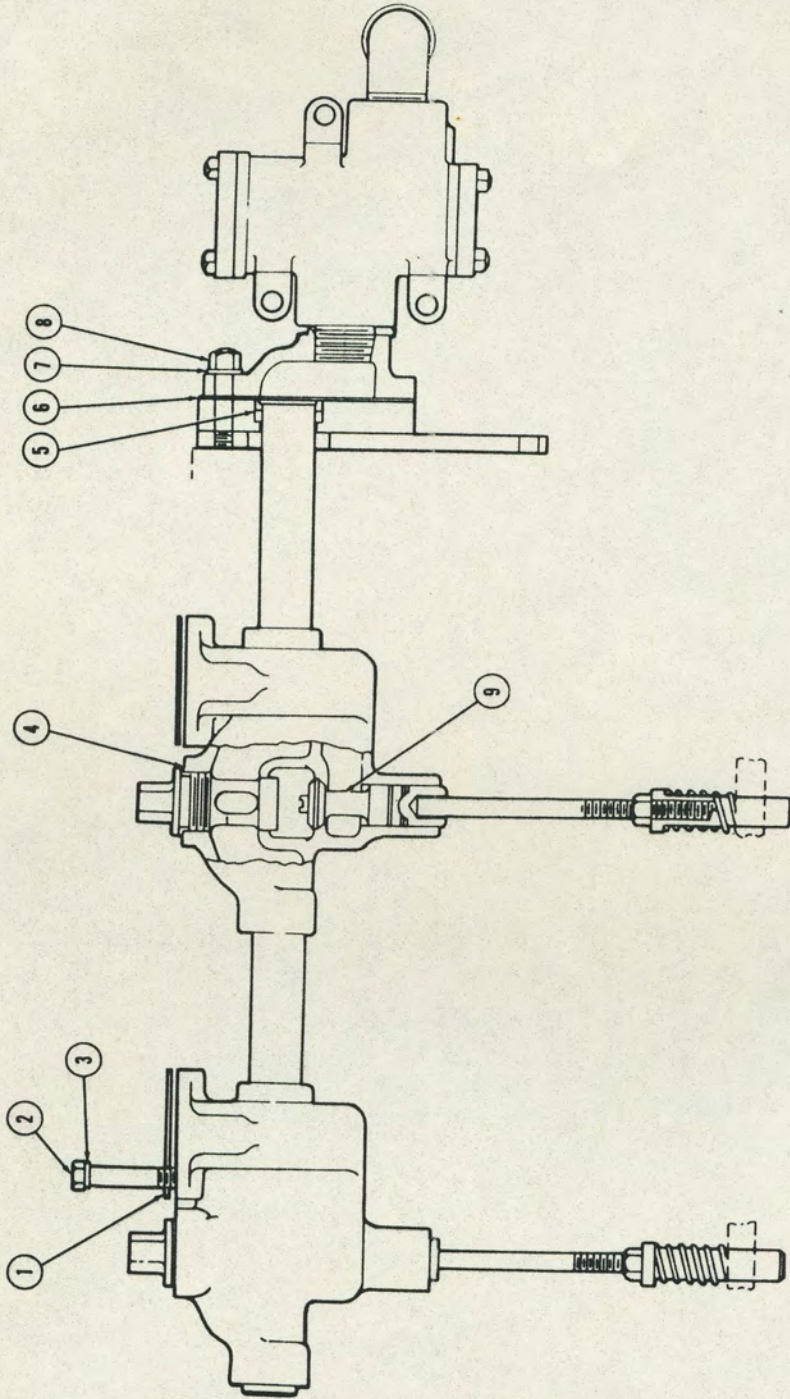
LUBE OIL FILTER
FIGURE 10



- 1. Screw, Cap, Hexagon Head: manifold to block
- 2. Gasket: cooler connection to manifold
- 3. Washer, Lock: manifold to block screw
- 4. Screw, Cap Hexagon Head: manifold to block
- 5. Hose, Water Connector
- 6. Clamp, Hose
- 7. Screw, Cap, Hexagon Head: cooler inlet & outlet connection
- 8. Washer, Lock: cooler inlet & outlet connection
- 9. Gasket: cooler inlet & outlet connection
- 10. Gasket: pipe to water pump, discharge
- 11. Gasket: flange to pump, suction
- 12. Washer, Lock: inlet elbow to pump screw
- 13. Screw, Cap, Hexagon Head: inlet elbow to pump
- 14. Gasket: manifold to filter bracket
- 15. Washer, Lock: manifold to cooler screw
- 16. Screw, Cap, Hexagon Head: manifold to cooler
- 17. Gasket: water manifold to block

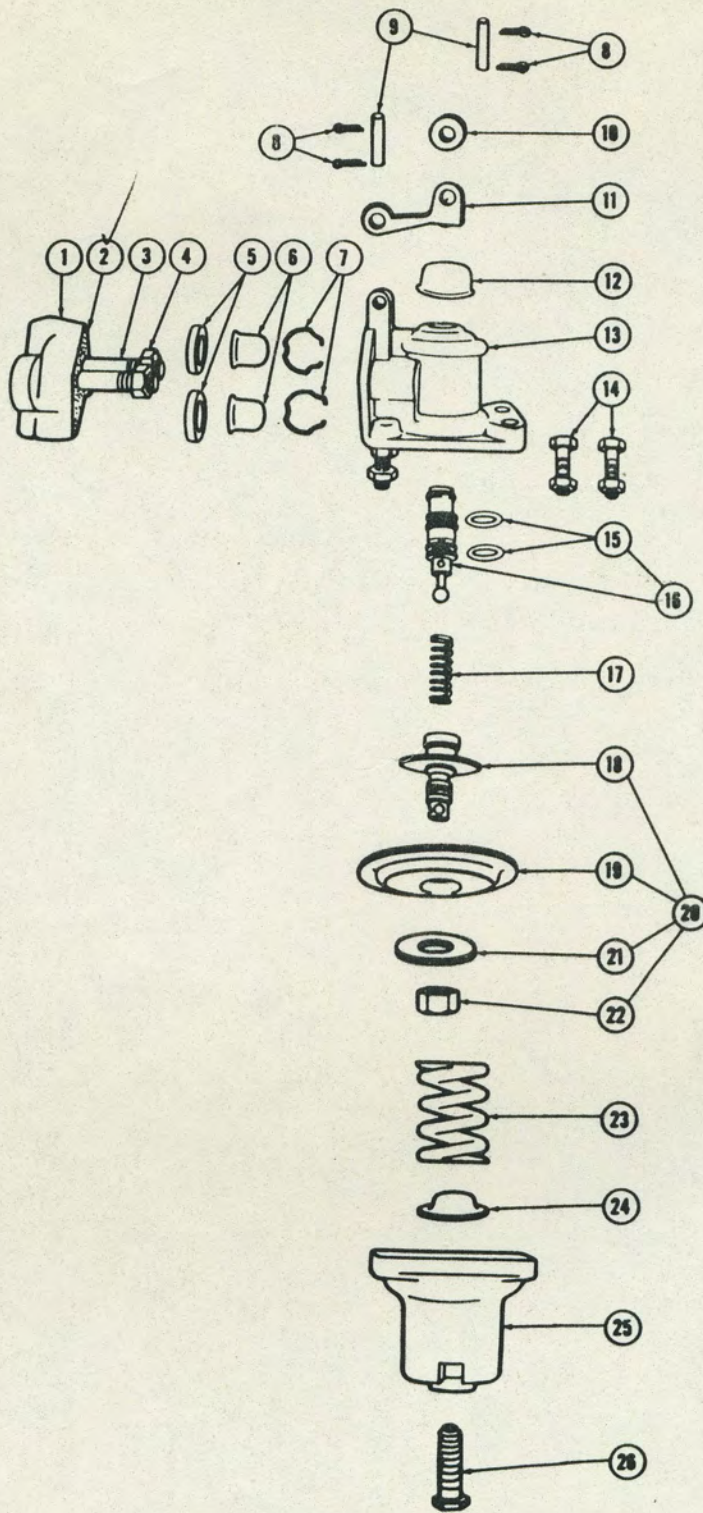
LUBE OIL COOLER
FIGURE 11

(1) SOURCE MAINT. & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS	
TRIAL/VC	SOURCE	MAINT LEVEL	RECOV.					W-C	2ND ECHOLON				FIG NO	ITEM NO
									W4	W4	W4	W4		
								UNIT	1-5	6-20	21-50	51-100		
<u>A0117.03 OIL COOLER (CONTINUED)</u>														
9	C	O		2930-588-5292	HOSE, WATER CONNECTOR: cooler inlet & outlet (P/N EM158A)	EA		2	*	*	*	*	11	5
	C	O		5305-292-5731	SCREW, CAP, HEXAGON HEAD: cooler inlet & outlet connections, 3/8 in.-16 NC, 1-1/4 in. lg (P/N 109258)	EA		24	¢	¢	¢	¢	11	7
	C	O		5305-655-9695	manifold to block, 1/2 in.-13 NC, 5 in. lg (P/N MS35297-127)	EA		2	¢	¢	¢	¢	11	1
	C	O		5305-017-9885	SCREW, CAP, HEXAGON HEAD: mtg, 1/2 in.-13 NC, 1-1/2 in. lg (P/N MS35295-113) 8 EA inlet elbow to pump 2 EA manifold to block 6 EA manifold to cooler	EA		16	¢	¢	¢	¢	11	13
													11	4
													11	16
	C	O		5310-261-7340	WASHER, LOCK: cooler inlet & outlet connections, 3/8 in. nom screw size (P/N MS35338-8)	EA		24	¢	¢	¢	¢	11	8
	C	O		5310-010-3323	WASHER, LOCK: mtg screws, 1/2 in. nom screw size (P/N MS35338-10) 8 EA inlet elbow to pump 2 EA manifold to block 6 EA manifold to cooler	EA		16	¢	¢	¢	¢	11	12
													11	3
													11	15
<u>A0129 ENGINE STARTING SYSTEMS</u>														
<u>A0129.02 AIR STARTING SYSTEM</u>														
<u>A0129.02.1 TANK, LINES, FILTERS</u>														
GASKET:														
	P	O		2815-377-2840	air manifold companion flange (P/N 4A1186)	EA		1	*	*	1	2	12	6
	P	O		2815-377-2839	manifold to cylinder head (P/N 3A2223)	EA		8	2	2	4	4	12	1
	C	O		5330-618-7756	plug, air starting valve (P/N 3A2225)	EA		8	2	2	4	4	12	4
	P	O		5310-816-1030	NUT, PLAIN, HEXAGON: manifold companion flange stud, 1/2 in.-13 NC (P/N MS356901-805)	EA		5	¢	¢	¢	¢	12	8
	C	O		5305-010-0167	SCREW, CAP, HEXAGON HEAD: air starting manifold to head, 1/2 in.-13 NC, 4-1/2 in. lg (P/N 100167)	EA		24	¢	¢	¢	¢	12	2
	C	O		5330-377-2842	SEAL: air manifold "o" ring (P/N 4A1231)	EA		1	*	*	1	1	12	5
	C	O		5310-010-3323	WASHER, LOCK: mtg, 1/2 in. nom screw size (P/N MS35338-10) 24 EA air starting manifold to head cap screws 5 EA manifold companion flange stud nut	EA		29	*	*	*	*	12	3
													12	7
<u>A0129.02.2 AIR VALVES</u>														
5	P	O		2815-766-7860	ACTUATOR: governor, type AAL (P/N P50645)	EA		1	*	*	*	*		
	C	O		2010-391-6132	DIAPHRAGM (P/N 539906)	EA		1	*	*	*	*		
	C	O		2030-292-3589	SPRING, HELICAL, COMPRESSION: diaphragm (P/N 850507)	EA		1	*	*	*	*		
5	P	O		2815-651-4254	CONTROLLER ASSEMBLY, ENGINE: controlair, type 2A-2B (P/N 850652)	EA		1	*	*	*	*		
5	P	O		2815-710-7703	CONTROL: controlair, type H-3, 60 psi (P/N 528067)	EA		1	*	*	*	*	13	



1. Gasket: manifold to cylinder head
2. Screw, Cap, Hexagon Head: manifold to head
3. Washer, Lock: manifold to head screw
4. Gasket: valve plug
5. Seal: air manifold
6. Gasket: air manifold flange
7. Washer, Lock: manifold flange stud nut
8. Nut, Plain, Hexagon: manifold flange stud
9. Valve, Air Starting

AIR STARTING MANIFOLD
FIGURE 12

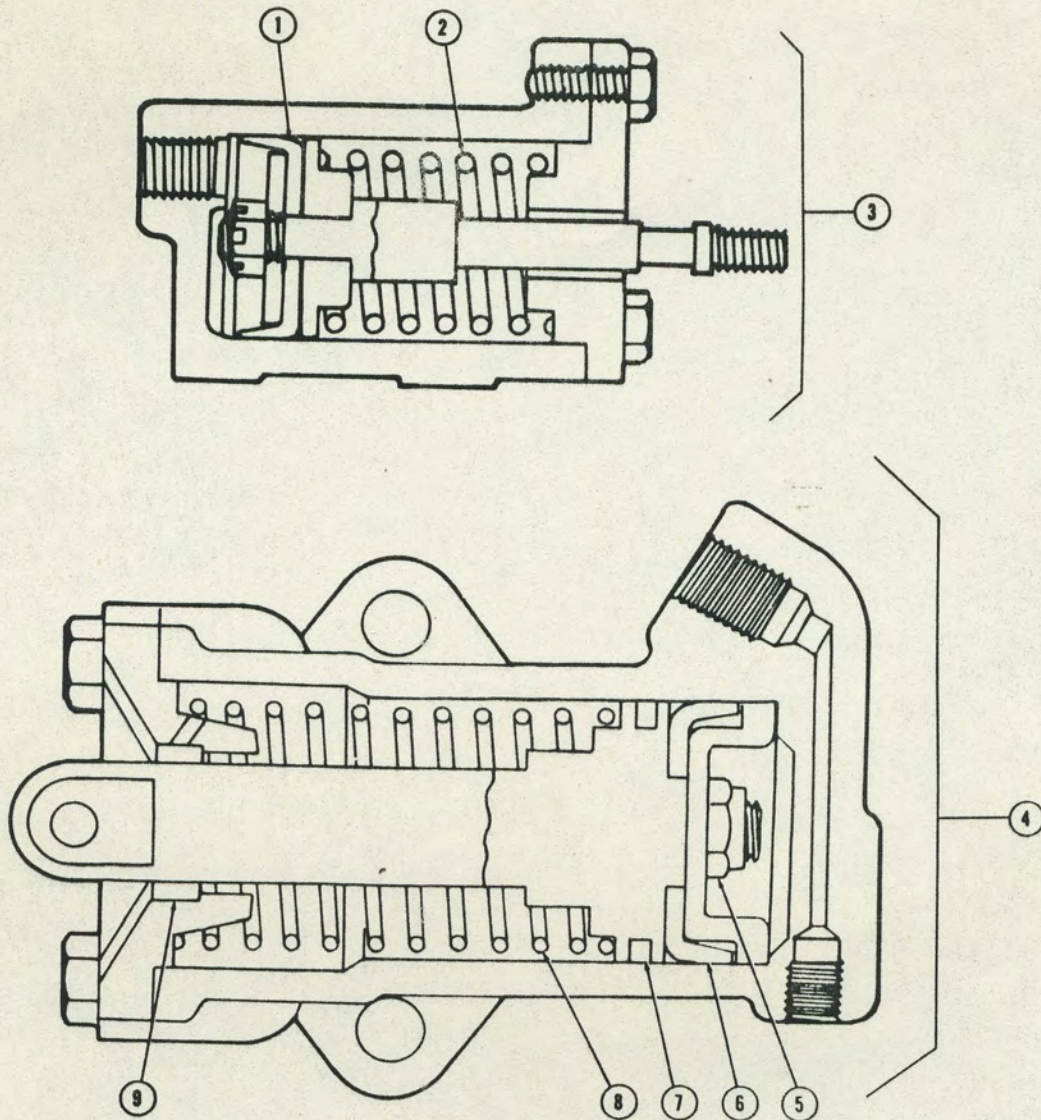


CONTROL: controlair, type H-3
FIGURE 13 ①

1. Bracket
2. Gasket: pipe bracket
3. Stud
4. Nut: bracket stud
5. Gasket: filter
6. Filter, Air
7. Ring, Retaining
8. Pin, Cotter
9. Pin
10. Roller
11. Lever
12. Protector
13. Body
14. Bolt
15. Packing, Preformed: valve
16. Valve Unit
17. Spring, Helical, Compression: exhaust valve
18. Seat, Valve
19. Diaphragm
20. Seat Assembly, Valve
21. Follower
22. Nut: diaphragm retaining
23. Spring, Helical, Compression: diaphragm
24. Seat: diaphragm spring
25. Housing
26. Screw

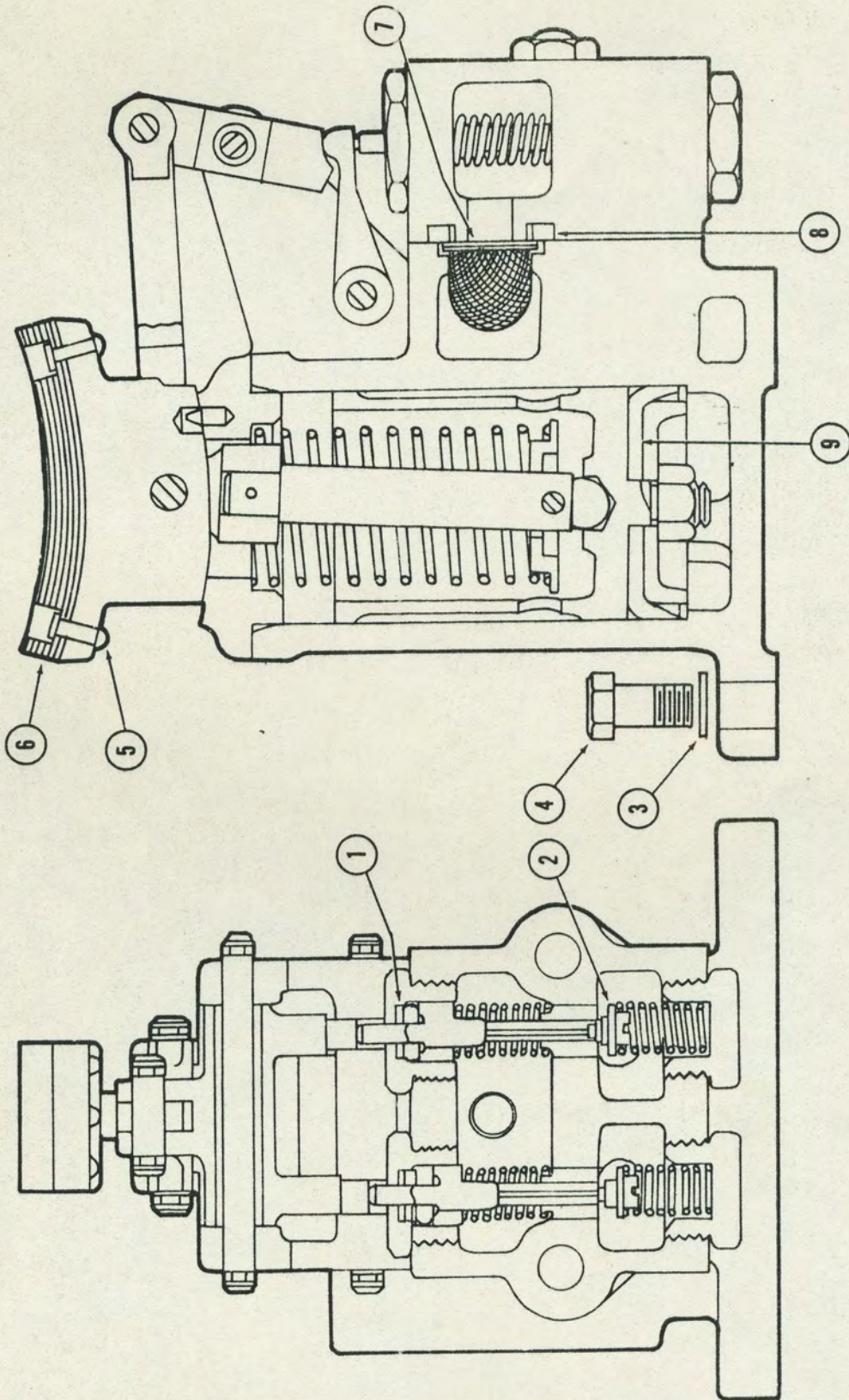
CONTROL: controlair, type H-3
FIGURE 13 (2)

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT				(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TRUCK	SOURCE	MAINT	RECOV.							2ND ECHOLON				FIG NO	ITEM NO		
										1-5	6-20	21-50	51-100			(A)	(B)
					A0129.02.2 AIR VALVES (CONTINUED)												
					CONTROLLER ASSEMBLY, ENGINE: CONTROL: - Continued												
	C	O		2240-565-5783	FILTER, AIR: controlair (P/N 526835)	EA		2	*	*	*	*			13	6	
	P	O		5330-365-6623	GASKET: filter (P/N 99458)	EA		2	*	*		1	2		13	5	
	C	O		5340-589-1461	RING, RETAINING: filter (P/N 529162)	EA		2	*	*	*	*			13	7	
	C	O		4820-505-6914	SEAT ASSEMBLY, VALVE: incl exhaust valve seat, diaphragm, follower & nut (P/N 526876)	EA		1	*	*	*	*			13	20	
	C	O		2030-344-0768	SEAT, VALVE (P/N 526487)	EA		1	*	*	*	*			13	18	
	C	O		2030-291-5015	SPRING, HELICAL, COMPRESSION: diaphragm (P/N 521141)	EA		1	*	*	*	*			13	23	
	C	O		5340-375-9657	exhaust valve (P/N 516445)	EA		1	*	*	*	*			13	17	
	P	O		2240-375-9661	VALVE UNIT: incl seals, inlet & exhaust (P/N 526875)	EA		1	*	*	*	*			13	16	
	C	O		5330-365-6543	PACKING, PREFORMED: valve, 3/4 in. od (P/N 531868)	EA		2	*		1	2	2		13	15	
	C	O		2240-565-5783	FILTER, AIR: valve (P/N 526835)	EA		6	*	*	*	*			13	6	
	C	O		2030-305-6145	GASKET: pipe bracket (P/N 532510)	EA		1	*	*		1	1		13	2	
	C	O		5330-302-9703	PACKING, PREFORMED: ring, 7/16 in. od (P/N 532268)	EA		3	*		1	2	2				
5	C	O		2815-338-4643	ring, 7/8 in. od (P/N 523734)	EA		3	*		1	2	2				
	C	O		2030-591-2623	PLUNGER, VALVE: exhaust (P/N 539114)	EA		3	*	*	*	*					
	C	O		2030-505-6915	SEAT, VALVE: inlet (P/N 539112)	EA		3	*	*	*	*					
	P	O		2030-292-4128	SPRING, HELICAL, COMPRESSION: exhaust valve (P/N 539113)	EA		3	*	*	*	*					
	P	O		2030-292-4127	inlet valve (P/N 539115)	EA		3	*	*	*	*					
					Note: VALVE, SUPPLY, P/N 538445 is replaced by VALVE, SUPPLY, P/N P5034.												
	C	O		4820-506-1262	VALVE, SUPPLY: inlet (P/N P5034)	EA		3	*	*	*	*					
	C	O		2030-391-6048	CYLINDER, SINGLE ACTUATING: fuel limit (P/N 523159)	EA		1	*	*	*	*			14	3	
5	P	O		2815-338-6786	CUP, PACKING, PISTON (P/N 517810)	EA		1	*	*	*	*			14	1	
	C	O		5340-506-3796	SPRING, HELICAL, COMPRESSION: piston rod (P/N 528692)	EA		1	*	*	*	*			14	2	
5	C	O		2815-673-0321	CYLINDER ASSEMBLY, FUEL CUT OFF: stop & reversing (P/N 528187)	EA		1	*	*	*	*			14	4	
5	P	O		2815-338-6787	CUP, PACKING, PISTON (P/N 529963)	EA		1	*	*	*	*			14	6	
5	C	O		2815-338-6788	LUBRICATOR, PISTON, FELT (P/N 525572)	EA		1	*	*	*	*			14	7	
5	C	O		2815-338-6789	PACKING, PISTON ROD (P/N 525583)	EA		1	*	*		1	1		14	9	
5	C	O		2815-651-4249	SPRING, PISTON RETURN (P/N 525565)	EA		1	*	*	*	*			14	8	



1. Cup, Packing, Piston: fuel limit cylinder
2. Spring, Helical, Compression: fuel limit cylinder
3. Cylinder, Single Actuating: fuel limit
4. Cylinder Assembly, Fuel Cut-Off
5. Nut, Slotted, Hexagon: fuel cut-off cylinder mtg
6. Cup, Packing Piston: fuel cut-off cylinder
7. Lubricator, Piston, Felt
8. Spring, Piston Return: fuel cut-off cylinder
9. Packing, Piston Rod

FUEL CONTROL AIR CYLINDERS
FIGURE 14

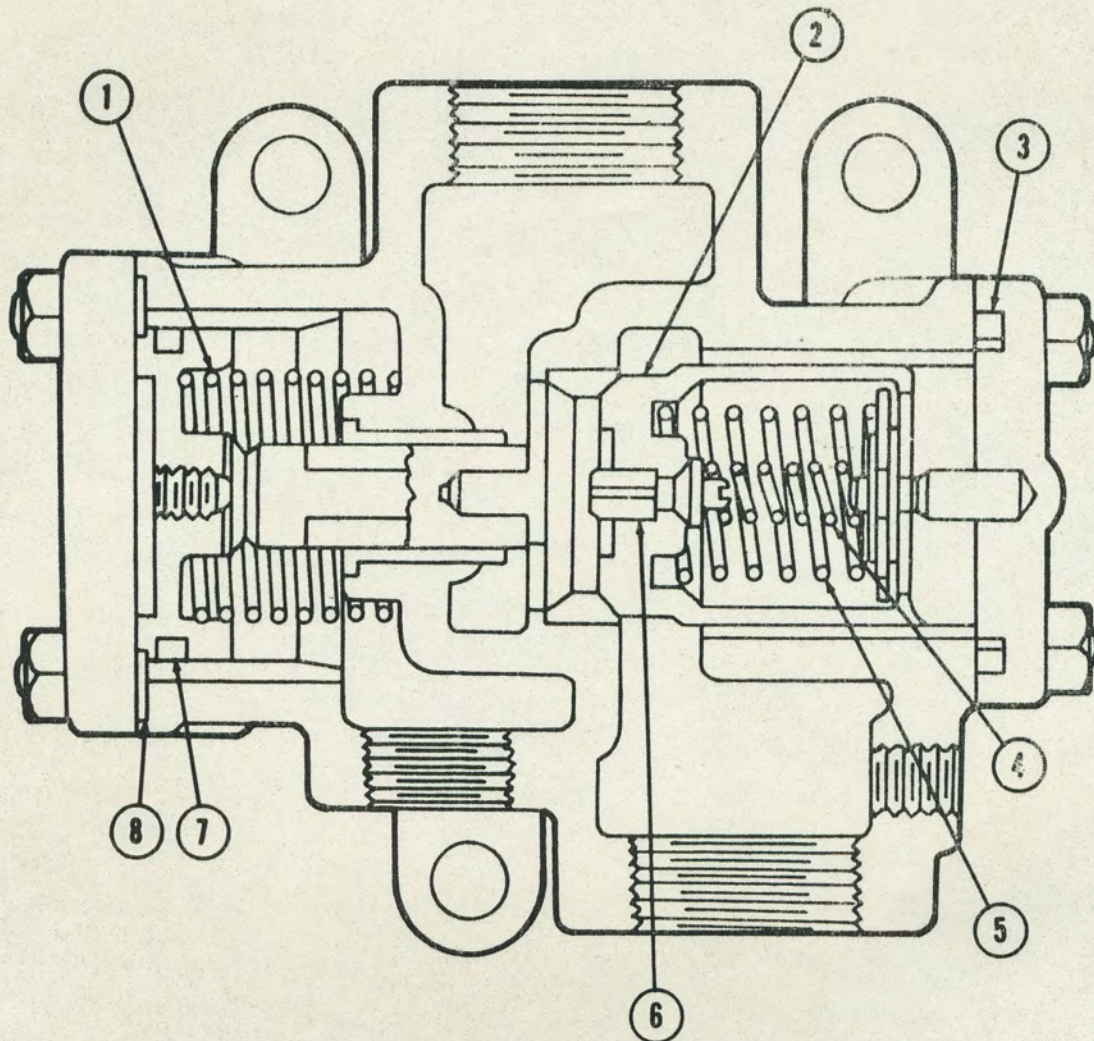


- 5. Rivet, Tubular
- 6. Lining, Brake Shoe
- 7. Filter, Air
- 8. Gasket: filter
- 9. Cup, Packing, Piston

- 1. Ring Seal, Cap Nut
- 2. Valve
- 3. Washer, Lock
- 4. Screw, Cap, Hexagon Head

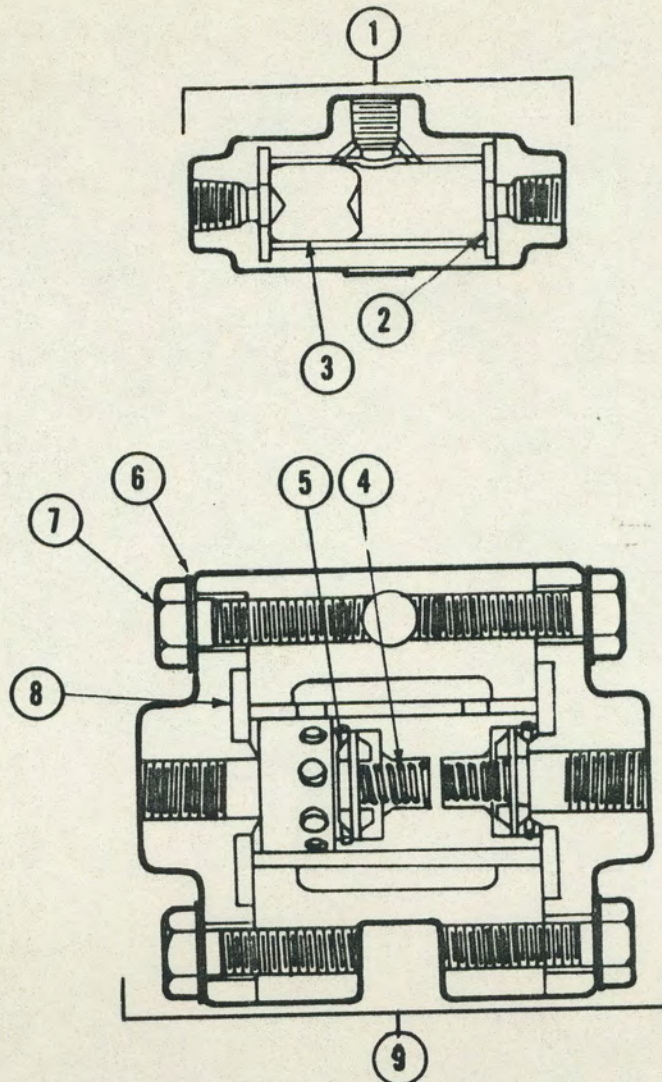
INTERLOCK ASSEMBLY, ENGINE: directional
FIGURE 15

(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TECHNICAL SOURCE	MAINT LEVEL	RECOV.						2ND ECHELON				FIG NO	ITEM NO
								1-6	6-20	21-50	51-100		
A0129.02.2 AIR VALVES (CONTINUED)													
5	C	O	2815-652-1480	INTERLOCK ASSEMBLY, ENGINE: directional (P/N 533195)	EA	1	*	*	*	*		15	
5	P	O	2815-338-6783	CUP, PACKING, PISTON (P/N 519518)	EA	1	*	*	*	*		15	9
	C	O	2240-565-5783	FILTER, AIR: interlock (P/N 526835)	EA	3	*	*	*	*		15	7
	P	O	5330-365-6623	GASKET: filter (P/N 99458)	EA	3	*	1	2	2		15	8
5	C	O	2815-338-6784	LINING, BRAKE SHOE: woven (P/N 532732)	EA	1	*	*	1	1		15	6
5	P	O	2815-338-6785	RING SEAL, CAP NUT: interlock (P/N 533134)	EA	2	*	*	*	*		15	1
	P	O	5320-275-4392	RIVET, TUBULAR: lining, 9/64 in. dia, 1/2 in. lg	LB	1	φ	φ	φ	φ		15	5
5	C	O	2815-766-7864	VALVE: interlock (P/N 525368)	EA	2	*	*	*	*		15	2
	C	O	5310-680-5384	NUT, SLOTTED, HEXAGON: fuel cut off cylinder mtg screw, 3/8 in.-24 NF (P/N MS35692-625)	EA	1	φ	φ	φ	φ		14	5
	C	O	5310-012-2698	NUT, SLOTTED, HEXAGON: mtg, 1/4 in.-28 NF (P/N 122698) 4 EA fuel limiting cylinder stud 4 EA shifting control pilotair valve screw	EA	8	φ	φ	φ	φ			
	C	O	5315-059-0635	PIN, COTTER: 1/16 in. dia, 3/4 in. lg (P/N 590635) 4 EA fuel limiting cylinder stud nut 4 EA shifting control pilotair valve screw	EA	8	φ	φ	φ	φ			
	C	O	5305-550-1311	SCREW, CAP, HEXAGON HEAD: directional interlock mtg, 3/8 in.-16 NC, 1-1/2 in. lg (P/N MS35297-64)	EA	3	φ	φ	φ	φ		15	4
	C	O	5305-292-5731	SCREW, CAP, HEXAGON HEAD: relayair mtg, 3/8 in.-16 NC, 1-1/4 in. lg (P/N 109258)	EA	3	φ	φ	φ	φ			
	C	O	5305-577-5462	SCREW, CAP, HEXAGON HEAD: relayair valve mtg, 3/8 in.-16 NC, 1 in. lg (P/N MS35295-60) 3 EA air start check valve actuator 6 EA camshaft cylinder	EA	9	φ	φ	φ	φ			
5	P	O	4820-314-4525	VALVE: air start, type D1A (P/N 526408)	EA	1	*	*	*	*		16	
	C	O	5330-506-3485	GASKET: inlet end cover (P/N 522758)	EA	1	*	*	1	1		16	3
	C	O	5330-506-3481	piston cover (P/N 522754)	EA	1	*	*	1	1		16	8
5	C	O	2815-338-4642	RING, PACKING, CONTROL: 2-1/2 in. od (P/N 524617)	EA	1	*	*	*	*		16	7
	C	O	5340-506-3487	SPRING, HELICAL, COMPRESSION: control piston (P/N 522784)	EA	1	*	*	*	*		16	1
	C	O	5340-129-8658	inlet valve (P/N 39574)	EA	1	*	*	*	*		16	5
	C	O	5340-506-3491	pilot valve (P/N 29082)	EA	1	*	*	*	*		16	4
				VALVE: inlet (P/N 522755)	EA	1	*	*	*	*		16	2
5	P	O	2815-766-7865	inlet (P/N 522755)	EA	1	*	*	*	*		16	2
5	P	O	2815-768-2690	inlet pilot (P/N 522756)	EA	1	*	*	*	*		16	6
	P	O	2030-390-4235	VALVE: double check, no. 18A (P/N 521774)	EA	6	*	*	*	*		17	1
	C	O	5306-545-3169	BOLT: cover (P/N 96053)	EA	24	*	*	*	*			
	C	O	4820-302-9704	DISC, VALVE, NONMETALLIC: seal (P/N 83362)	EA	12	*	*	*	*		17	2



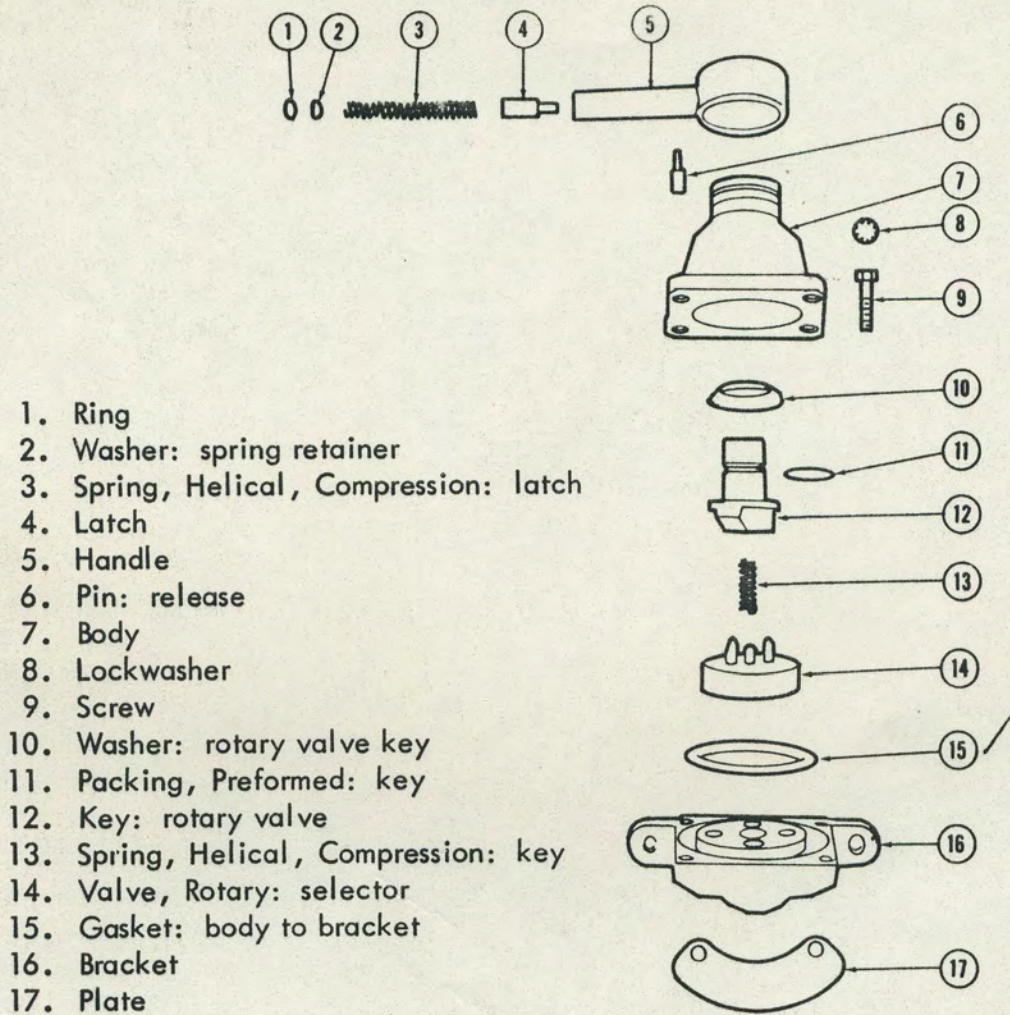
1. Spring, Helical, Compression: control piston
2. Valve: inlet
3. Gasket: inlet end cover
4. Spring, Helical, Compression: pilot valve
5. Spring, Helical, Compression: inlet valve
6. Valve: inlet pilot
7. Ring, Packing, Control: piston
8. Gasket: piston cover

VALVE: air start, type DIA
FIGURE 16

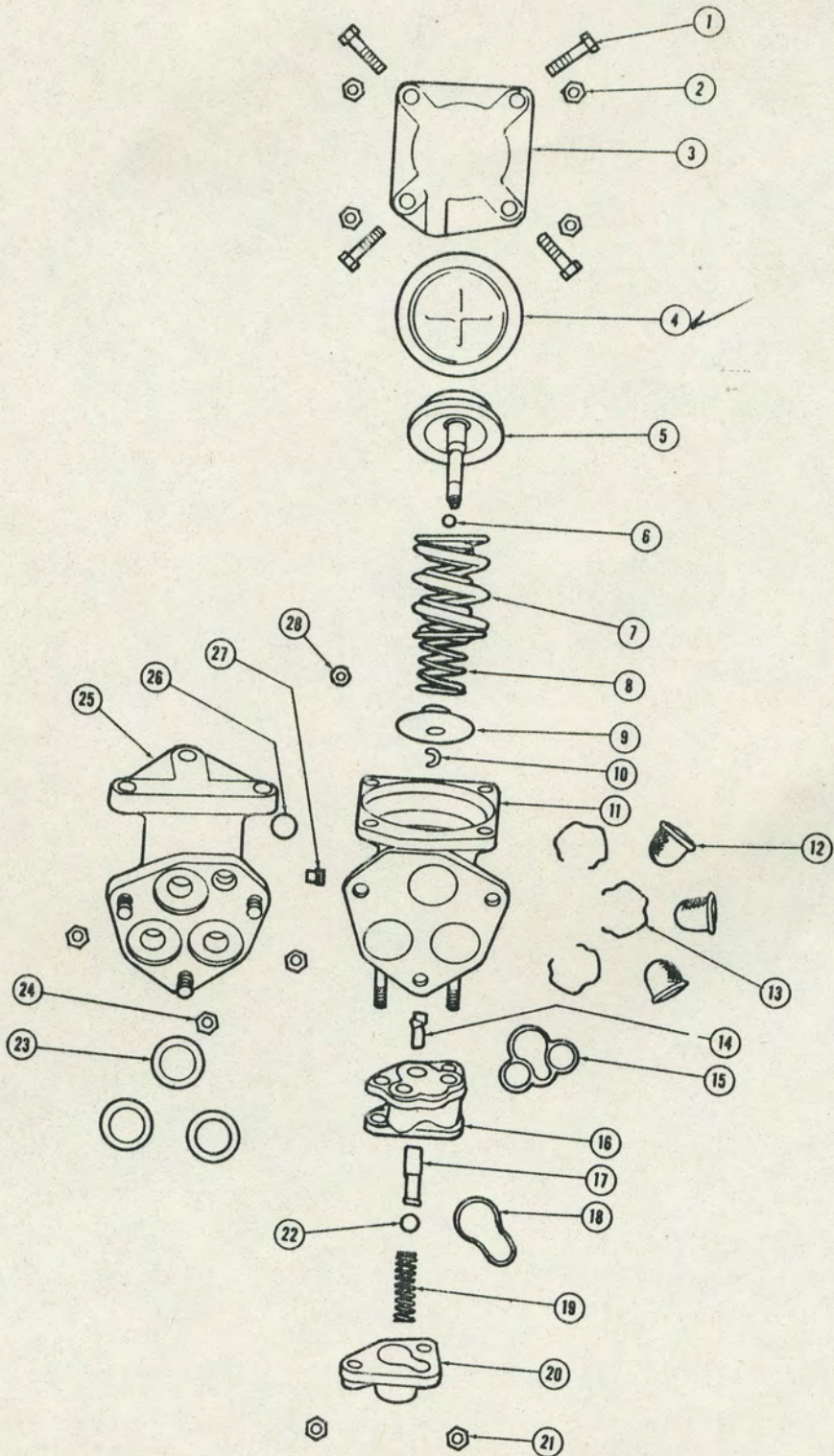


1. Valve: double check, no. 18A
2. Disc, Valve, Nonmetallic
3. Valve: check
4. Spring, Helical, Compression
5. Valve: check
6. Washer, Lock: cover screw
7. Screw, Cap, Hexagon Head: cover
8. Gasket: cover
9. Valve: double check, no. 22A

CHECK VALVES
FIGURE 17



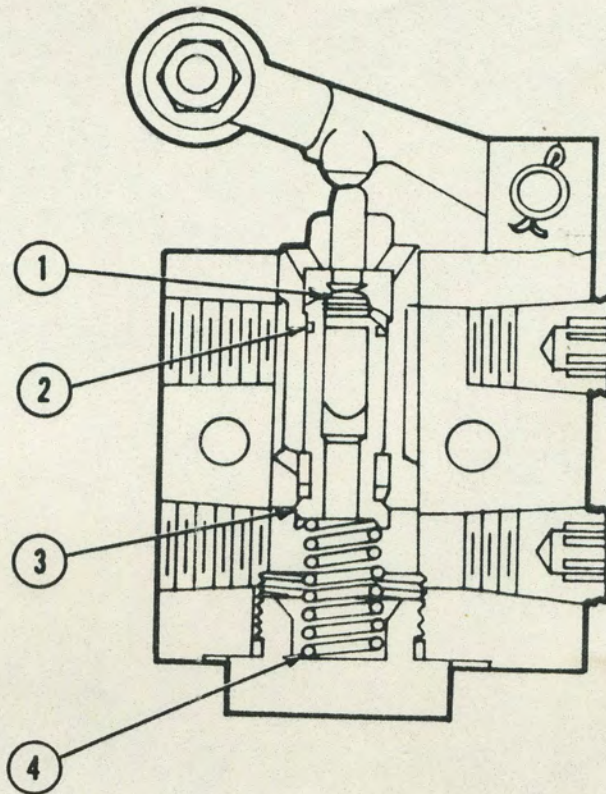
VALVE: rotair, remote control
 FIGURE 18



VALVE, PRESSURE REGULATING: type H5
FIGURE 19 (1)

1. Bolt: diaphragm cover
2. Nut: diaphragm cover bolt
3. Cover: diaphragm
4. Diaphragm
5. Follower
6. Packing, Preformed: diaphragm follower
7. Spring, Helical, Compression: diaphragm, outer
8. Spring, Helical, Compression: diaphragm, inner
9. Seat: diaphragm spring
10. Retainer: spring seat
11. Body
12. Strainer, Sediment
13. Ring: strainer retaining
14. Valve, Valve, Brake: exhaust
15. Gasket: check valve body
16. Body: check valve
17. Valve, Valve, Brake: supply
18. Gasket: check valve body cover
19. Spring: supply valve
20. Cover: check valve body
21. Nut: check valve cover to body
22. Packing, Preformed: supply valve
23. Gasket: strainer
24. Nut: bracket to body
25. Bracket
26. Gasket: body & pipe bracket port
27. Excluder
28. Gasket: port body

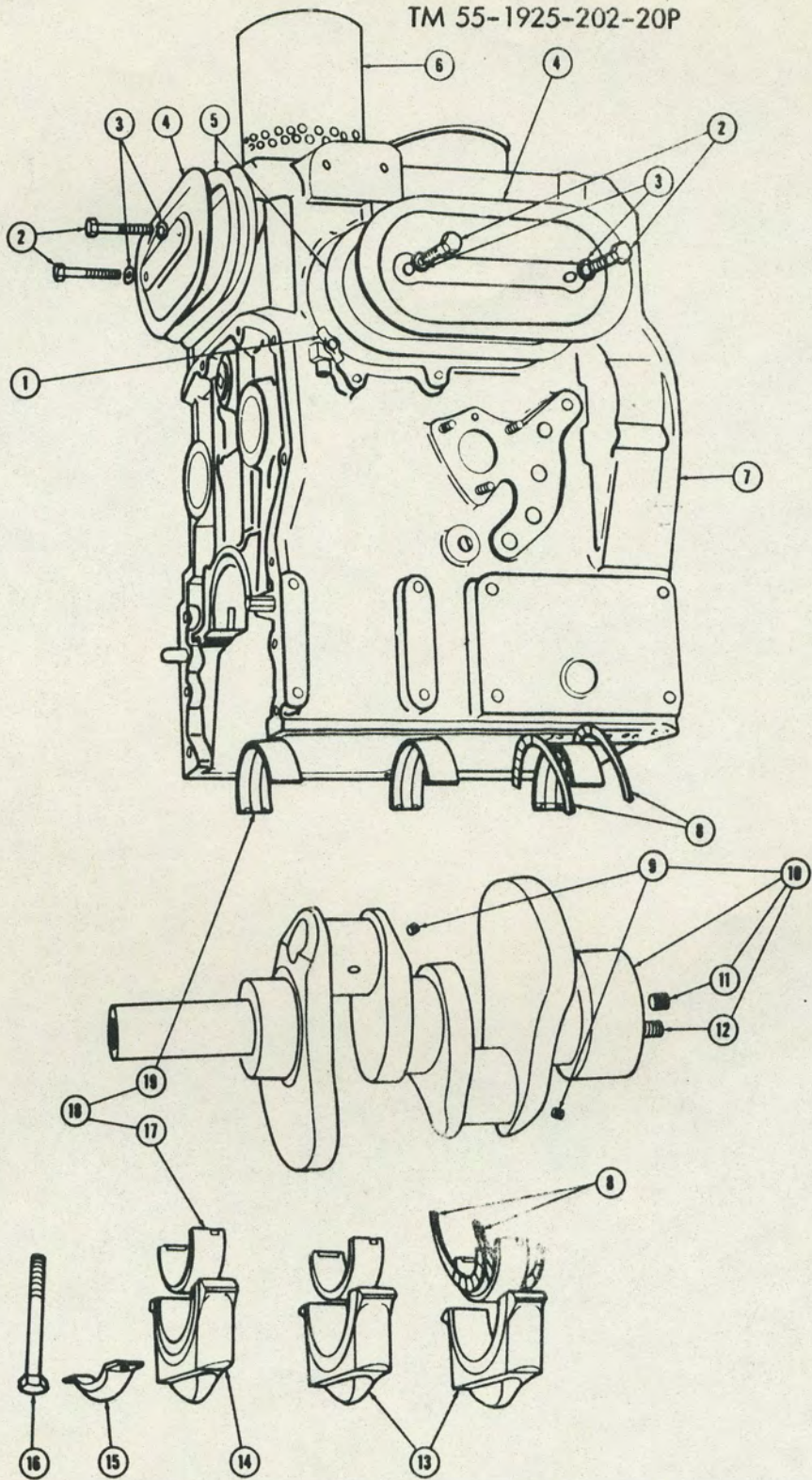
VALVE, PRESSURE REGULATING: type H5
FIGURE 19 (2)



1. Valve, Check
2. Packing; Preformed
3. Valve, Cylinder
4. Spring, Helical, Compression

VALVE ASSEMBLY: pilot air, type 2C1B
FIGURE 20

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS		
TECHNICAL SOURCE	MAINT LEVEL	RECOV.	INC						2ND ECHELON				FIG NO	ITEM NO	
									UNIT	1-5	6-20	21-50			51-100
<u>A0129.02.2 AIR VALVES (CONTINUED)</u>															
VALVE, PRESSURE REGULATING: - Continued															
C	O			2240-366-2438	VALVE, VALVE, BRAKE: exhaust (P/N 527579)	EA		5	*	*	*	*		19	14
C	O			2240-366-2437	supply (P/N 527578)	EA		5	*	*	*	*		19	17
P	O			2815-766-7869	VALVE ASSEMBLY: pilotair, camshaft positioning, type 2C1B (P/N 531315)	EA		2	*	*	*	*		20	
C	O			5330-302-9703	PACKING, PREFORMED: ring, 7/16 in. od (P/N 532268)	EA		2	*	*	2	2		20	2
C	O			2030-292-3590	SPRING, HELICAL, COMPRESSION: supply valve (P/N 503938)	EA		2	*	*	*	*		20	4
C	O			2030-391-6143	VALVE, CHECK: exhaust (P/N 531043)	EA		2	*	*	*	*		20	1
C	O			4810-705-9293	VALVE, CYLINDER: supply (P/N 531045)	EA		2	*	*	*	*		20	3
C	O			5310-251-7340	WASHER, LOCK: valve mtg screw, 3/8 in. nom screw size (P/N MS35338-8)	EA		22	¢	¢	¢	¢			
3 EA air start check valve actuator															
6 EA camshaft cylinder															
3 EA directional interlock															
4 EA double check valve, type 22A															
3 EA engine stop															
3 EA starting line															
<u>B0100 ENGINE ASSEMBLY</u>															
Note: Give ser no. & complete nameplate data of ENGINE, DIESEL when requisitioning repair parts.															
ENGINE, DIESEL: Detroit Diesel model 2-71G6 2 EA															
5	P	O		2915-729-5094	GASKET SET: engine (P/N 5192434) c/o	EA		*	1	2	2				
1 EA GASKET, blower housing (P/N 5154133)															
1 EA GASKET, blower housing air heater pad cover (P/N 5152438)															
1 EA GASKET, blower housing end plate cover (P/N 5154223)															
1 EA GASKET, crankshaft front cover (P/N 5156192)															
2 EA GASKET, cylinder block handhole cover (P/N 5152288)															
4 EA GASKET, cylinder block handhole cover bolt (P/N 105451)															
1 EA GASKET, cylinder head (P/N 5174900)															
1 EA GASKET, cylinder head breather tube (P/N 5150300)															
1 EA GASKET, cylinder head oil (P/N 5174782)															
1 EA GASKET, engine lifter bracket rear (P/N 5154290)															
1 EA GASKET, exhaust manifold to cylinder head (P/N 5154210)															
1 EA GASKET, flywheel housing to block (P/N 5152525)															
1 EA GASKET, fresh water pump cover (P/N 5166135)															
1 EA GASKET, fresh water pump mtg (P/N 5153898)															
2 EA GASKET, fuel pump body (P/N 5230018)															
1 EA GASKET, fuel pump drive adaptor (P/N 5152122)															
1 EA GASKET, fuel pump to engine (P/N 5150133)															
1 EA GASKET, governor shaft housing cover (P/N 5150889)															
(Continued)															

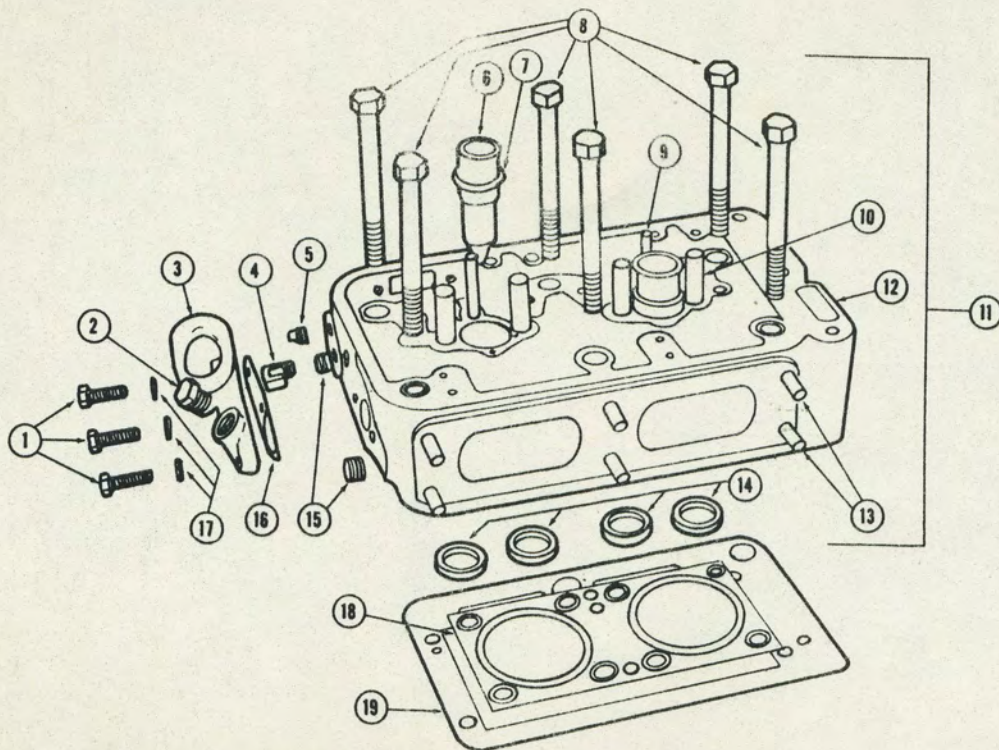


CYLINDER BLOCK, CRANKSHAFT AND MAIN BEARING
FIGURE 21 ①

1. Drain Cock
2. Screw, Cap, Hexagon Head: hand hole cover
3. Gasket: hand hole cover screw
4. Cover: hand hole
5. Gasket: hand hole cover
6. Cylinder Sleeve
7. Block Assembly
8. Washer Half, Thrust
9. Plug: oil passage
10. Crankshaft Assembly
11. Plug: oil wick hole
12. Pin
13. Bearing Cap: rear & intermediate
14. Bearing Cap: front
15. Lockplate
16. Bolt
17. Bearing Half: lower
18. Bearing, Sleeve: main
19. Bearing Half: upper

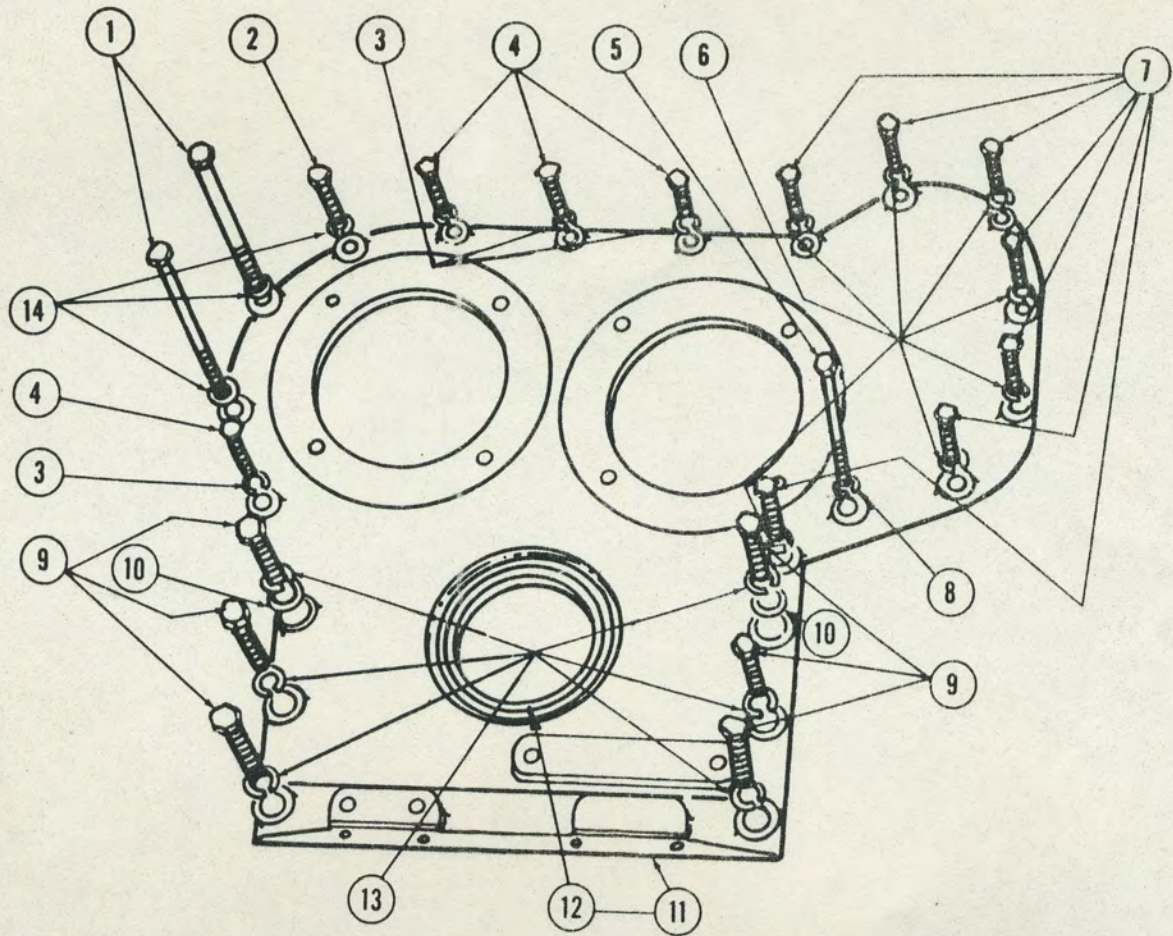
CYLINDER BLOCK, CRANK SHAFT AND MAIN BEARING
FIGURE 21 (2)

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 30 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TROL/VC	SOURCE	MAINT LEVEL	RECV.						2ND ECHELON				FIG NO (A)	ITEM NO (B)
									1-5	6-20	21-80	81-100		
<u>B0100 ENGINE ASSEMBLY (CONTINUED)</u>														
GASKET SET: - Continued														
c/o														
1 EA GASKET, governor spring cover (P/N 5152944)														
1 EA GASKET, governor to blower (P/N 5152465)														
1 EA GASKET, governor to cylinder head (P/N 5152464)														
1 EA GASKET, lube oil filter adapter (P/N 5154213)														
1 EA GASKET, oil cooler by-pass valve (P/N 5153945)														
1 EA GASKET, oil cooler core, inner (P/N 5154214)														
1 EA GASKET, oil cooler core, outer (P/N 5154208)														
1 EA GASKET, oil cooler cover (P/N 5165801)														
1 EA GASKET, oil cooler element (P/N 5165803)														
1 EA GASKET, oil cooler housing to block (P/N 5152413)														
1 EA GASKET, oil pan (P/N 5154198)														
1 EA GASKET, oil pan drain plug (P/N 840277)														
2 EA GASKET, oil pump inlet pipe (P/N 5150144)														
1 EA GASKET, rocker cover (P/N 5152446)														
1 EA GASKET, thermostat housing (P/N 5154271)														
1 EA GASKET, thermostat housing cover (P/N 5165808)														
1 EA PACKING, PREFORMED, fresh water pump outlet (P/N 5150191)														
1 EA WASHER, NONMETALLIC, oil gage rod (P/N 5150475)														
<u>B0103 BLOCK</u>														
GASKET:														
5	C	O		2815-333-0599	handhole cover (P/N 5152288)	EA		4	2	4	6	8	21	5
	C	O		5330-229-4018	handhole cover screw (P/N 105451)	EA		8	2	2	4	4	21	3
	C	O		5305-017-9846	SCREW, CAP, HEXAGON HEAD: handhole cover, 3/8 in.-16 NC, 1-7/8 in. lg (P/N 179846)	EA		8	φ	φ	φ	φ	21	2
<u>B0105 CYLINDER HEAD</u>														
	C	O		5306-274-1966	BOLT, MACHINE: head to block (P/N 5152149)	EA		12	*	*	*	*	22	8
	P	O		2815-582-7116	GASKET SET: cylinder head (P/N 5192433)	SE			*	1	2	2		
c/o														
1 EA GASKET, breather tube (P/N 5150900)														
1 EA GASKET, compression (P/N 5174900)														
1 EA GASKET, cylinder head oil (P/N 5174782)														
1 EA GASKET, engine lifter bracket (P/N 5154290)														
1 EA GASKET, exhaust manifold (P/N 5154210)														
1 EA GASKET, governor hole cover (P/N 5150889)														
1 EA GASKET, governor to blower (P/N 5152465)														
1 EA GASKET, governor to cylinder head (P/N 5152464)														
1 EA GASKET, rocker cover (P/N 5152446)														
1 EA GASKET, thermostat housing (P/N 5154271)														
1 EA GASKET, thermostat housing cover (P/N 5152445)														
	P	O		2815-587-3466	HEAD, CYLINDER: incl valve guides, inserts, ring, studs & tubes (P/N 5189858)	EA		2	*	*	*	*	22	11
	P	O		5330-297-9869	PACKING, PREFORMED: injector tube seal (P/N 5160037)	EA		4	1	2	3	4	22	7
	P	O		5307-273-9380	STUD, PLAIN: exhaust manifold to head (P/N 5150362)	EA		12	*	*	*	*	22	13
9	P	O		2910-364-3439	TUBE: injector hole (P/N 5150041)	EA		4	*	*	*	*	22	6



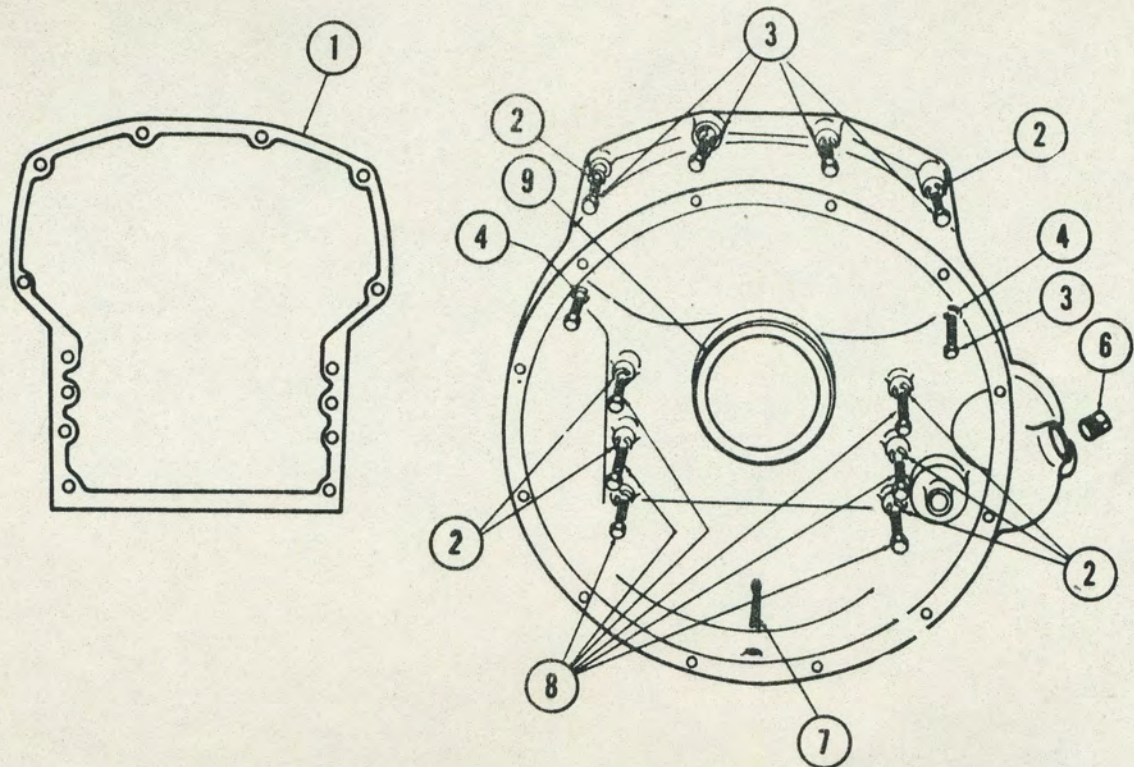
1. Bolt: lifter bracket mtg
2. Adapter Bushing
3. Bracket
4. Elbow
5. Plug: 1/4 in.
6. Tube: injector
7. Packing, Preformed: injector tube
8. Bolt, Machine: head to block
9. Stud: injector clamp
10. Valve Guide
11. Head, Cylinder: assy
12. Head
13. Stud, Plain: exhaust manifold mtg
14. Valve Insert
15. Plug: 3/8 in.
16. Gasket: lifter bracket
17. Lockwasher
18. Gasket: compression
19. Gasket: oil

CYLINDER HEAD
FIGURE 22



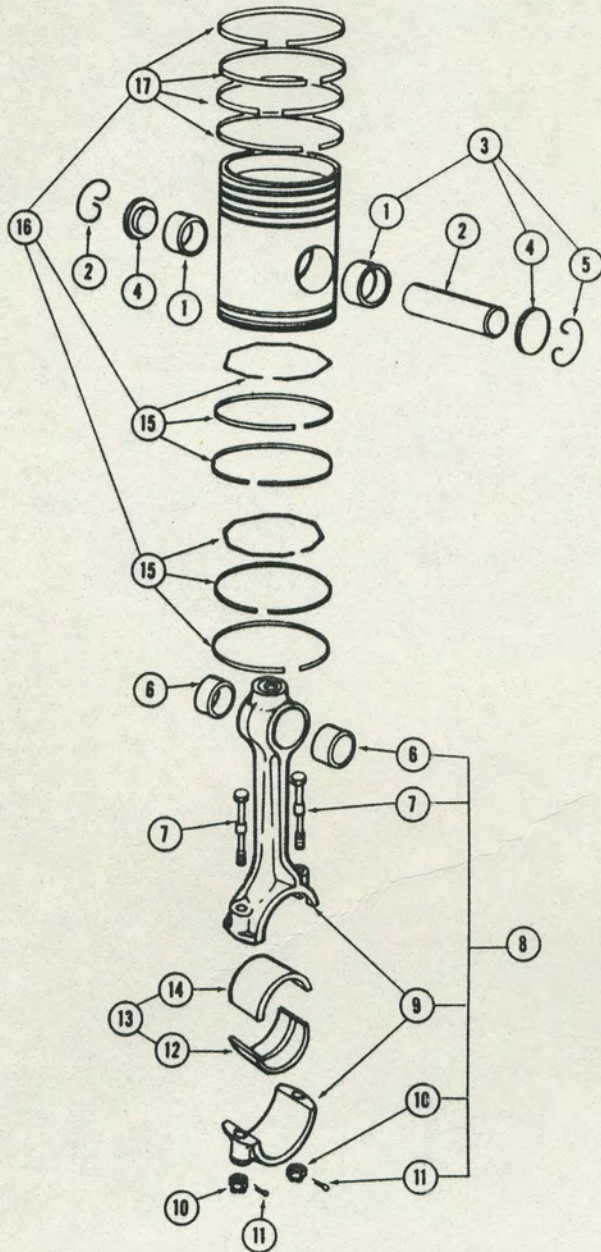
1. Screw: cover to block, 4-1/4 in. lg
2. Screw: cover to block, 1-1/8 in. lg
3. Lockwasher: cover to block bolt
4. Bolt: cover to block
5. Bolt: cover to blower housing
6. Lockwasher: cover to blower front plate bolt
7. Bolt: cover to blower front plate
8. Lockwasher: cover to blower housing bolt
9. Screw: cover to block, 1-3/8 in. lg
10. Washer: cover to block screw
11. Cover Assembly
12. Seal, Plain Encased: crankshaft, front
13. Lockwasher: cover to block screw, 7/16 in.
14. Lockwasher: cover to block screw, 3/8 in.

FRONT COVER
FIGURE 23



1. Gasket: housing to block
2. Lockwasher: housing to block bolt
3. Screw: housing to block
4. Lockwasher: housing to filter adapter bolt
5. Bolt: housing to filter adapter
6. Plug
7. Cotter Pin
8. Bolt: housing to block
9. Seal, Plain Encased: crankshaft, rear

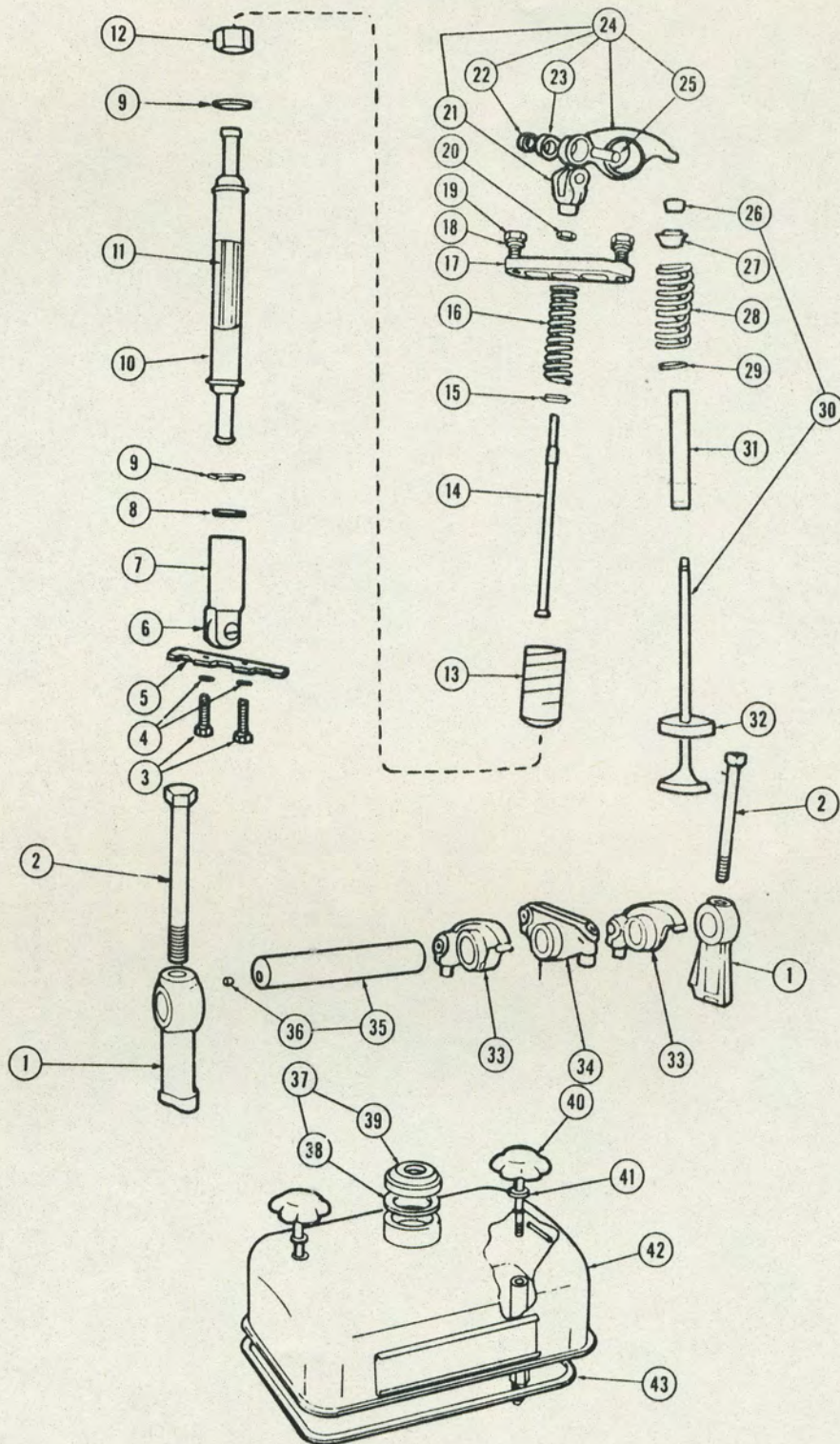
FLYWHEEL HOUSING
FIGURE 24



1. Bushing: piston pin
2. Pin, Piston
3. Piston Assembly,
Internal Combustion Engine
4. Retainer: piston pin
5. Ring: piston pin retainer
6. Bushing: connecting rod
7. Bolt, Rod, Connecting
8. Rod Assembly, Connecting
9. Rod and Cap Assembly
10. Nut, Slotted, Hexagon
11. Cotter Pin
12. Bearing Half: lower
13. Bearing, Sleeve
14. Bearing Half: upper
15. Ring: oil control
16. Ring Set, Piston
17. Ring: compression

PISTON AND CONNECTING ROD
FIGURE 25

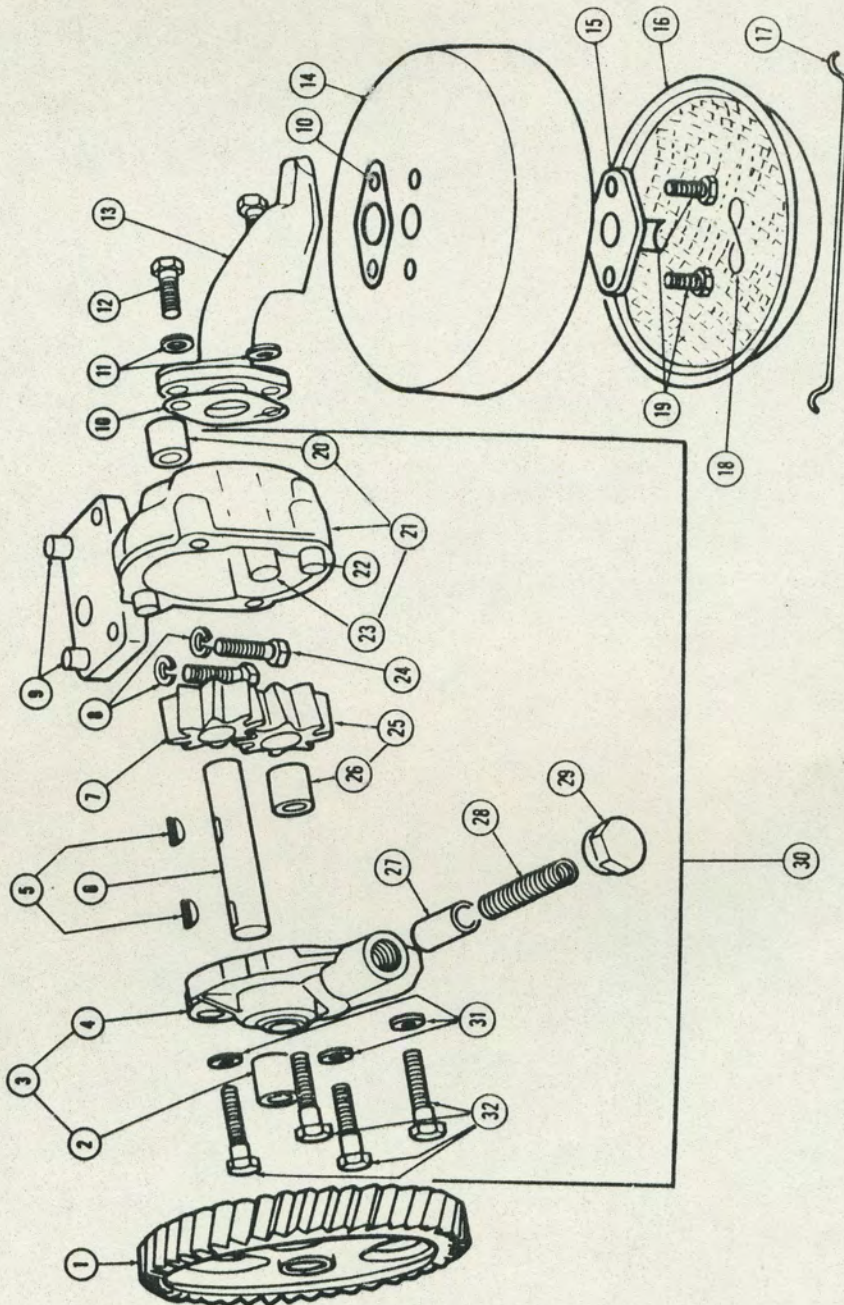
(1) SOURCE MAINT & RECOY CODE				(2) FEDERAL STOCK NUMBER		(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS	
TICKLIVE	SOURCE	MAINT LIFE	RECOY.	2ND ECHELON						FIG NO	ITEM NO				
				1-5	6-20							21-50	51-100	(A)	(B)
<u>B0107 CRANKSHAFT</u>															
5	C	O		2815-662-8992	BEARING, SLEEVE: main (P/N 5192874) c/o 1 EA BEARING HALF, lower (P/N 5179630) 1 EA BEARING HALF, upper (P/N 5179631)	EA		6	4	8	12	16	21	18	
	P	O		5330-154-8874	SEAL, PLAIN ENCASED: crankshaft oil front (P/N 5154314)	EA		2	*	1	2	2	23	12	
	P	O		5330-844-4764	rear (P/N 5114335)	EA		2	*	1	2	2	24	9	
	C	O		2815-511-2336	WASHER HALF, THRUST: crankshaft (P/N 5159353)	EA		8	2	4	6	8	21	8	
<u>B0109 FLYWHEEL ASSEMBLY</u>															
5	P	O		2815-354-1175	GASKET: flywheel housing to block (P/N 5152525)	EA		2	*	1	2	2	24	1	
<u>B0111 PISTONS, CONNECTING RODS</u>															
	P	O		2815-662-8425	BEARING, SLEEVE: connecting rod (P/N 5192895) c/o 1 EA BEARING HALF, lower (P/N 5179633) 1 EA BEARING HALF, upper (P/N 5179632)	EA		4	2	4	6	8	25	13	
													25	12	
													25	14	
5	P	O		2815-524-7727	PIN, PISTON (P/N 5188406)	EA		4	*	*	*	*	25	2	
5	P	O		2815-691-9701	PISTON ASSEMBLY, INTERNAL COMBUSTION: incl bushing retainer & piston pin lock ring (P/N 5189054)	EA		4	*	*	*	*	25	3	
5	P	O		2815-288-0695	RING SET, PISTON: complete for 1 piston (P/N 5193477) c/o 4 EA RING, compression (P/N 5185325) 2 EA RING, oil control (P/N 5179836)	SE		4	2	4	6	8	25	16	
													25	17	
													25	15	
5	P	O		2815-127-3058	ROD ASSEMBLY, CONNECTING: incl cap, nozzle, orifice & bushing (P/N 5154332)	EA		4	*	*	*	*	25	8	
	C	O		5306-364-3274	BOLT, ROD, CONNECTING (P/N 5150094)	EA		8	*	*	*	*	25	7	
	C	O		5310-266-0496	NUT, SLOTTED, HEXAGON (P/N 5150095)	EA		8	*	*	*	*	25	10	
<u>B0113 CYLINDER SLEEVES</u>															
5	P	O		2815-097-2476	CYLINDER SLEEVE (P/N 5188868)	EA		4	*	*	*	*	21	6	
<u>B0115 VALVES, VALVE OPERATING MECHANISM & TIMING SYSTEM</u> <u>B0115.01 VALVES</u>															
	C	O		5340-252-8453	SPRING, HELICAL, COMPRESSION: exhaust valve (P/N 5150289)	EA		8	*	*	*	*	26	28	
5	P	O		2815-516-5915	VALVE, POPPET, ENGINE: incl locks (P/N 5193666)	EA		8	*	*	*	*	26	30	
9	P	O		2805-474-9500	LOCK, VALVE SPRING RETAINER: halves (P/N 838029)	EA		16	*	*	*	*	26	26	
<u>B0115.02 ROCKER ARMS, TAPPETS</u>															
	P	O		5330-291-6312	GASKET: rocker cover (P/N 5152446)	EA		2	*	*	2	2	26	43	
	C	O		5340-565-3358	SPRING, HELICAL, COMPRESSION: push rod (P/N 5186858)	EA		12	*	*	*	*	26	16	



VALVES AND VALVE OPERATING MECHANISM
 FIGURE 26 ①

1. Bracket: rocker shaft
2. Bolt: rocker shaft bracket
3. Screw: cam roller guide
4. Lockwasher: cam roller guide screw
5. Guide: cam follower
6. Roller Set
7. Follower Assembly
8. Washer: push rod cover
9. Gasket: push rod cover
10. Cover: push rod
11. Push Rod: lower
12. Plug: push rod cover
13. Seat: push rod
14. Push Rod: upper
15. Seat: push rod spring
16. Spring, Helical, Compression: push rod
17. Retainer: push rod spring
18. Lockwasher: push rod spring retainer screw
19. Screw: push rod spring retainer mtg
20. Nut: push rod
21. Clevis: valve rocker arm
22. Bushing: rocker arm clevis
23. Bearing: rocker arm, small
24. Rocker Arm Assembly: lh
25. Pin: rocker arm clevis
26. Lock, Valve Spring Retainer
27. Retainer: valve spring
28. Spring, Helical, Compression: valve
29. Seat: valve spring
30. Valve, Poppet, Engine
31. Guide: valve
32. Insert: valve
33. Rocker Arm Assembly: rh
34. Rocker Arm: injector
35. Shaft: rocker arm
36. Plug: rocker arm shaft
37. Cap Assembly
38. Gasket: filler cap
39. Cap
40. Thumbscrew: rocker cover
41. Washer, Nonmetallic: thumbscrew
42. Cover: rocker arm
43. Gasket: rocker cover

VALVES AND VALVE OPERATING MECHANISM
FIGURE 26 (2)

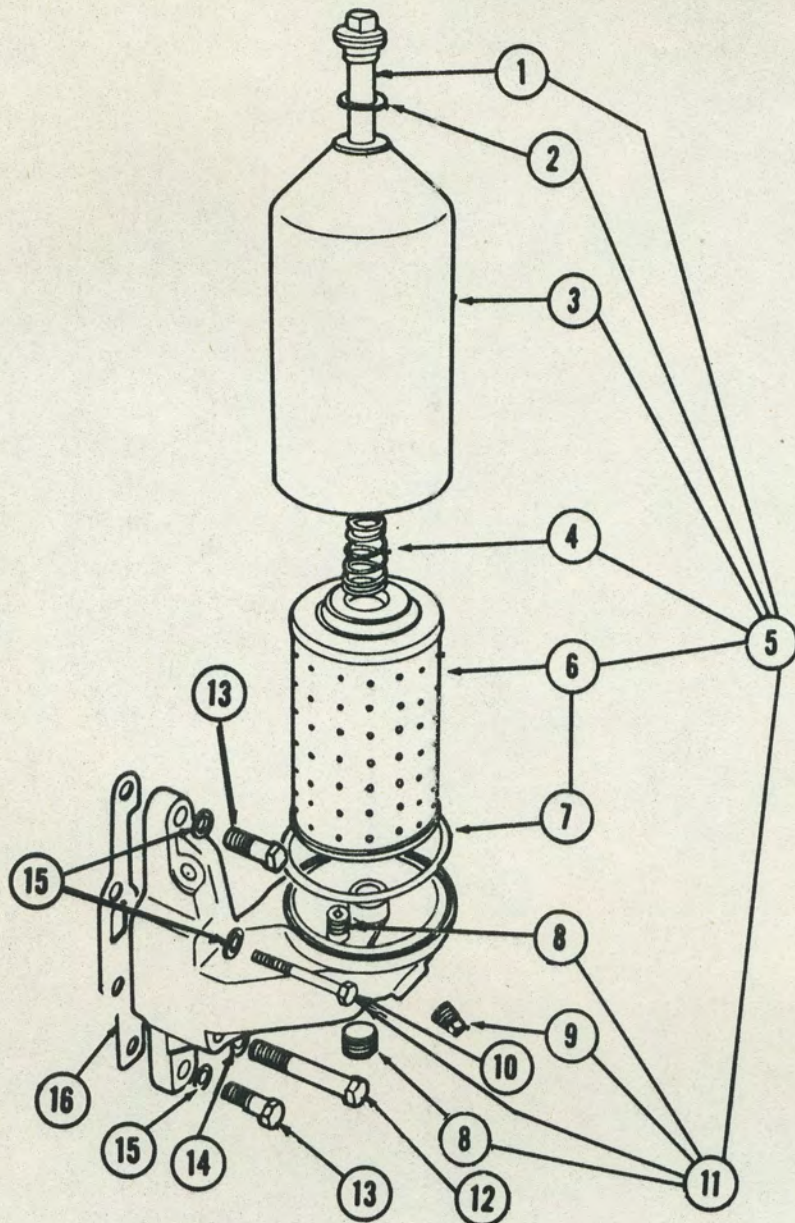


LUBE OIL PUMP AND SCREEN
FIGURE 27 (1)

1. Gear: pump drive
2. Bushing: cover
3. Cover Assembly
4. Cover: pump
5. Key
6. Shaft: drive
7. Gear: shaft, drive
8. Washer, Lock: pump mtg bolt
9. Bushing: pump to block
10. Gasket: inlet screen to support
11. Washer, Lock: inlet screen support mtg bolt
12. Bolt, Machine: inlet screen support mtg
13. Support
14. Cover: screen
15. Pipe
16. Strainer, Element, Sediment
17. Retainer
18. Lockwire
19. Screw: pipe mtg
20. Bushing: body
21. Body Assembly
22. Pin: cover to body
23. Shaft: idler
24. Bolt, Machine: pump mtg
25. Gear Assembly: idler
26. Bushing: idler gear
27. Plunger
28. Spring
29. Plug
30. Pump, Rotary, Power Driven
31. Lockwasher: cover to body bolt
32. Screw: cover to body

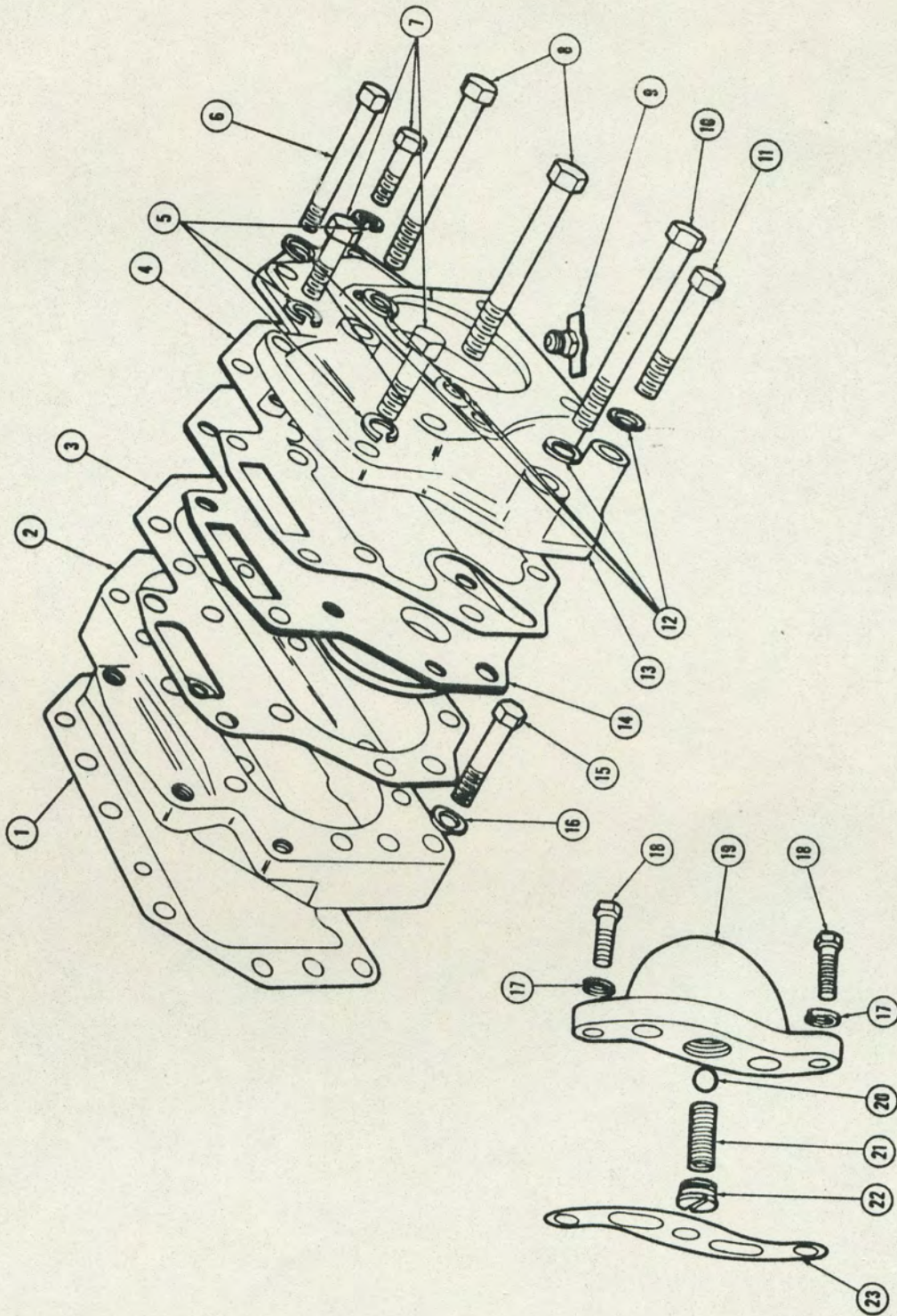
LUBE OIL PUMP AND SCREEN
FIGURE 27 (2)

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT				(7) 15 DAYS MABTY ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED 2ND ECHELON				(8) ILLUS- TRATIONS FIG NO ITEM NO	
TECH.SVC.	SOURCE	MAINT LEVEL	RECOV.												(A)	(B)	
											1-5	6-20	21-50	51-100			
<u>B0115.02 ROCKER ARMS, TAPPETS (CONTINUED)</u>																	
	P	O		5355-606-8332	THUMBSCREW: rocker cover (P/N 5169388)	EA		4	*	*	*	*			26	40	
	C	O		5330-291-4806	WASHER, NONMETALLIC: rocker cover bolt (P/N 5150333)	EA		4	*	*	*	*			26	41	
<u>B0117 ENGINE LUBRICATING SYSTEM</u>																	
<u>B0117.01 OIL PUMP ASSEMBLY</u>																	
BOLT, MACHINE:																	
	P	O		5306-808-7973	inlet screen cover mtg, 5/16 in.-18 NC, 7/8 in. lg (P/N MS35303-33)	EA		4	φ	φ	φ	φ			27	12	
	P	O		5306-550-1318	pump mtg, 5/16 in.-18 NC, 1-1/4 in. lg (P/N MS35297-36)	EA		8	φ	φ	φ	φ			27	24	
5	C	O		2815-363-8162	GASKET: inlet pipe to pump (P/N 5150144)	EA		4	1	1	2	2			27	10	
5	P	I	O	T	2815-470-0890	PUMP, ROTARY, POWER DRIVEN: oil (P/N 5171434)	EA		2	*	*	*	*		27	30	
	P	I	O		2815-354-1170	STRAINER, ELEMENT, SEDIMENT: oil pump inlet (P/N 5152385)	EA		2	2	2	4	4		27	16	
	P	O		5310-514-8948	WASHER, LOCK: 5/16 in. nom bolt size (P/N MS35337-45) 2 EA inlet screen cover 4 EA pump mtg bolt	EA		12	φ	φ	φ	φ			27	11 8	
<u>B0117.02 OIL FILTER</u>																	
	C	O		5306-270-9416	BOLT, MACHINE: filter mtg, 3/8 in.-16 NC, 2-3/4 in. lg (P/N 108618) FILTER, FLUID, PRESSURE (P/N 5168523) 2 EA	EA		2	φ	φ	φ	φ			28	10	
9	P	O		2940-141-9026	FILTER ELEMENT, FLUID, PRESSURE: incl gasket (P/N 5572425)	EA		2	2	2	4	4			28	6	
	C	O		5340-377-2581	SPRING, HELICAL, COMPRESSION (P/N 1503518)	EA		2	*	*	*	*			28	4	
5	C	O		2815-354-1172	GASKET: adaptor mtg (P/N 5152413)	EA		2	1	1	2	2			28	16	
	C	O		5305-018-6612	SCREW, CAP, HEXAGON HEAD: filter mtg 3/8 in.-16 NC, 1-3/8 in. lg (P/N 186612)	EA		6	φ	φ	φ	φ			28	13	
9	C	O		5305-017-9860	7/16 in.-14 NC, 1-1/4 in. lg (P/N MS35295-87)	EA		2	φ	φ	φ	φ			28	12	
	P	O		5310-261-7340	WASHER, LOCK: mtg bolt & screw 3/8 in. nom screw size (P/N MS35338-8)	EA		8	φ	φ	φ	φ			28	15	
	C	O		5310-624-5395	7/16 in. nom screw size (P/N MS35337-47)	EA		2	φ	φ	φ	φ			28	14	
<u>B0117.03 OIL COOLER</u>																	
	P	I	O		4420-371-9992	CORE ASSEMBLY, FLUID COOLER: 4 plate (P/N 8508765)	EA		2	*	*	*	*		29	14	
GASKET:																	
9	P	O		2940-354-1189	by-pass valve mtg (P/N 5153945)	EA		2	*	*	2	2			29	23	
5	P	O		5330-354-1198	cooler to block (P/N 5154213)	EA		2	*	*	2	2			29	1	
GASKET: core																	
5	P	O		2815-354-1199	inner (P/N 5154214)	EA		2	*	*	2	2			29	3	
	P	O		2815-354-1196	outer (P/N 5154208)	EA		2	*	*	2	2			29	4	



- | | |
|------------------------------------|--|
| 1. Stud | 11. Adapter Assembly |
| 2. Gasket: center stud | 12. Screw, Cap, Hexagon Head:
filter mtg, 1-1/4 in. lg. |
| 3. Shell | 13. Screw, Cap, Hexagon Head:
filter mtg, 1-3/8 in. lg. |
| 4. Spring, Helical, Compression | 14. Washer, Lock: filter mtg screw,
7/16 in. |
| 5. Filter, Fluid, Pressure | 15. Washer, Lock: filter mtg screw,
3/8 in. |
| 6. Filter Element, Fluid, Pressure | 16. Gasket: adapter mtg |
| 7. Gasket: shell to adapter | |
| 8. Plug: 1/2 in. | |
| 9. Plug: 1/4 in. | |
| 10. Bolt, Machine: filter mtg | |

LUBE OIL FILTER
FIGURE 28

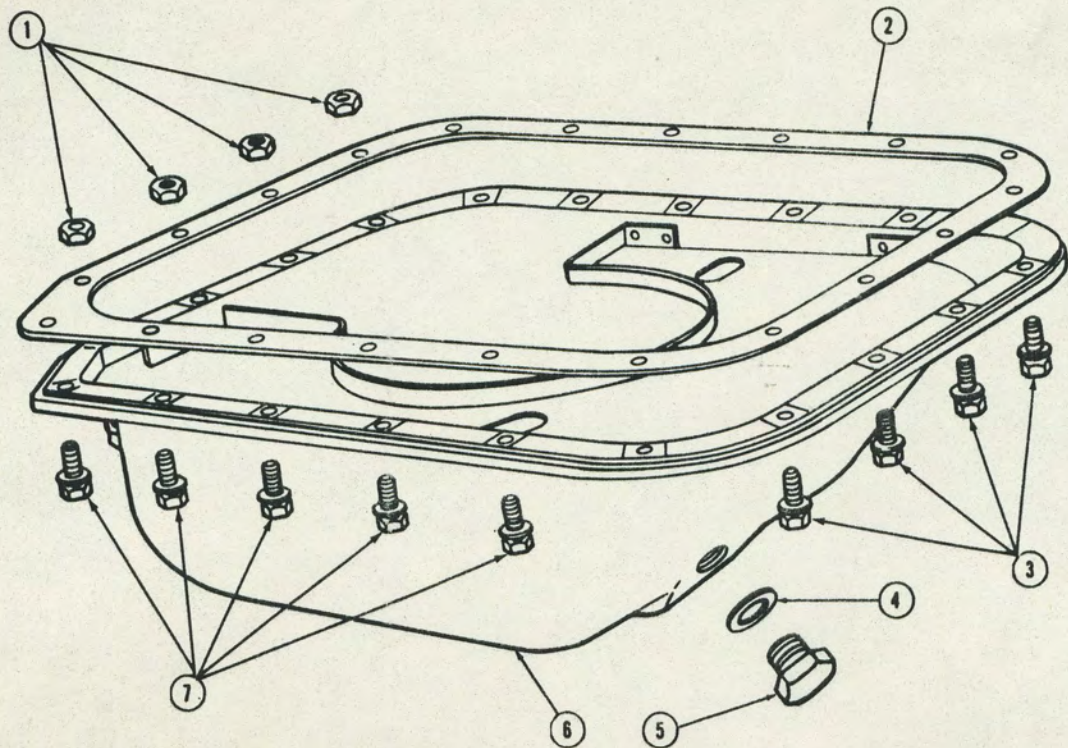


OIL COOLER AND VALVE
FIGURE 29 ①

1. Gasket: cooler to block
2. Housing: oil cooler
3. Gasket: core, inner
4. Gasket: core, outer
5. Lockwasher: cover to housing screw
6. Screw: cover to block, 3-1/2 in. lg
7. Screw: cover to housing
8. Screw: cover to block, 3-3/4 in. lg
9. Drain Cock
10. Screw: cover to block, 4 in. lg
11. Screw: cover to block, 3 in. lg
12. Lockwasher: cover to block screw
13. Cover
14. Core Assembly, Fluid Cooler
15. Screw: housing to block
16. Washer: housing to block screw
17. Lockwasher: valve housing mtg screw
18. Screw: valve housing mtg
19. Housing: valve
20. Ball
21. Spring, Helical, Compression: by-pass valve
22. Plug
23. Gasket: by-pass valve mtg

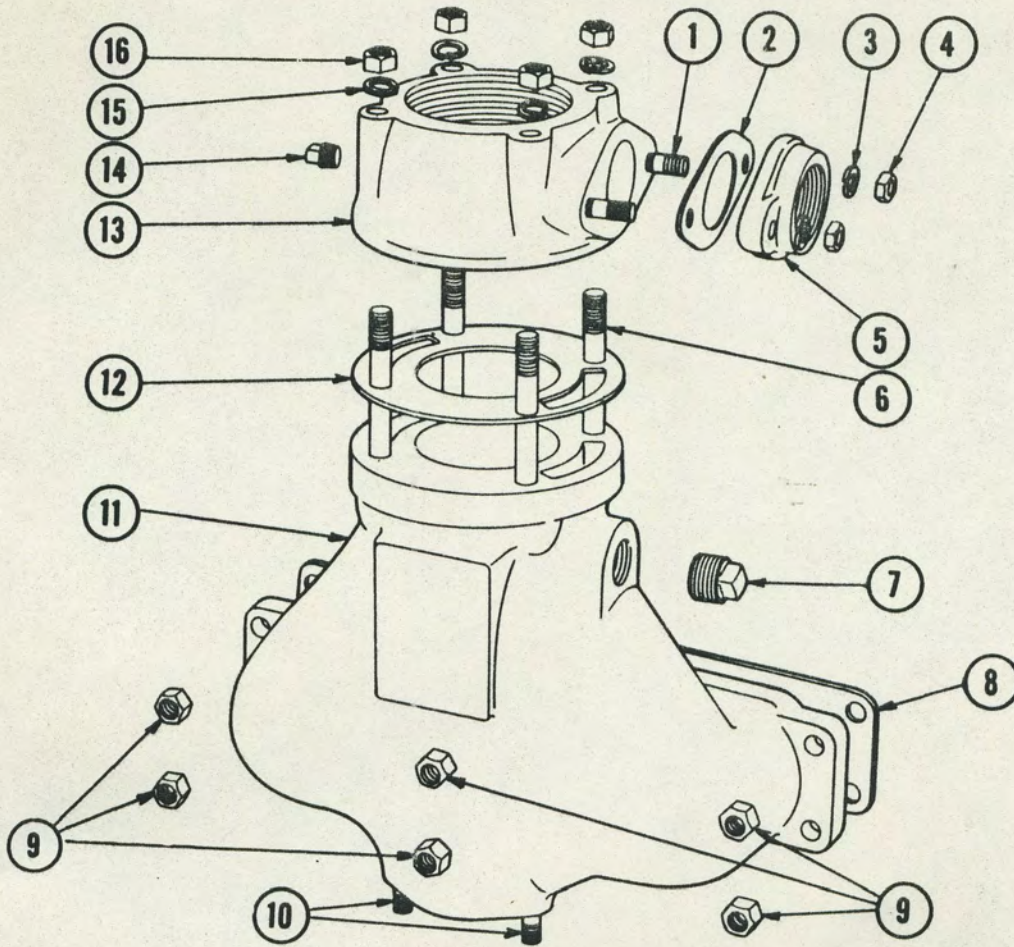
OIL COOLER AND VALVE

FIGURE 29 (2)



1. Nut: pan to front cover bolt
2. Gasket: pan to block, w/washer
3. Bolt: pan to flywheel housing
4. Gasket: drain plug
5. Drain Plug
6. Pan
7. Bolt: pan to block, w/washer

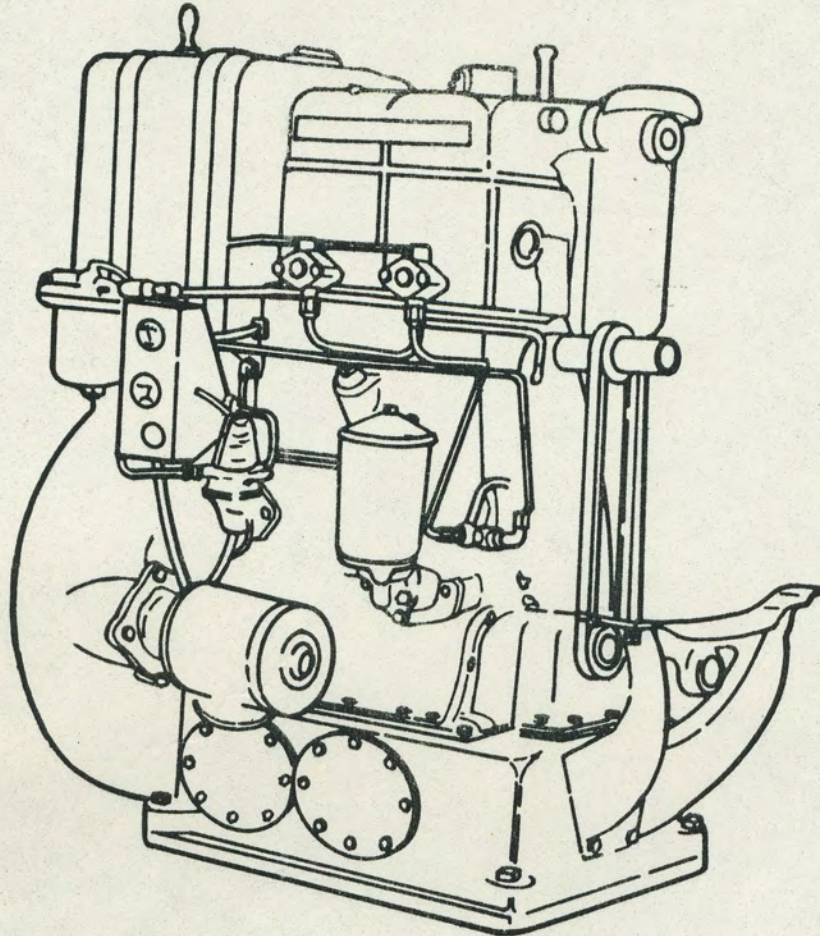
OIL PAN
FIGURE 30



1. Stud: outlet flange
2. Gasket: outlet flange
3. Lockwasher: outlet flange stud
4. Nut: outlet flange stud
5. Flange: water outlet
6. Stud, Plain: manifold to flange
7. Plug: manifold
8. Gasket: manifold to head
9. Nut: manifold to head stud
10. Stud, Plain: manifold to cover plate
11. Manifold
12. Gasket: manifold to exhaust flange
13. Flange: exhaust
14. Plug: exhaust flange
15. Lockwasher: manifold to flange stud
16. Nut: manifold to flange stud

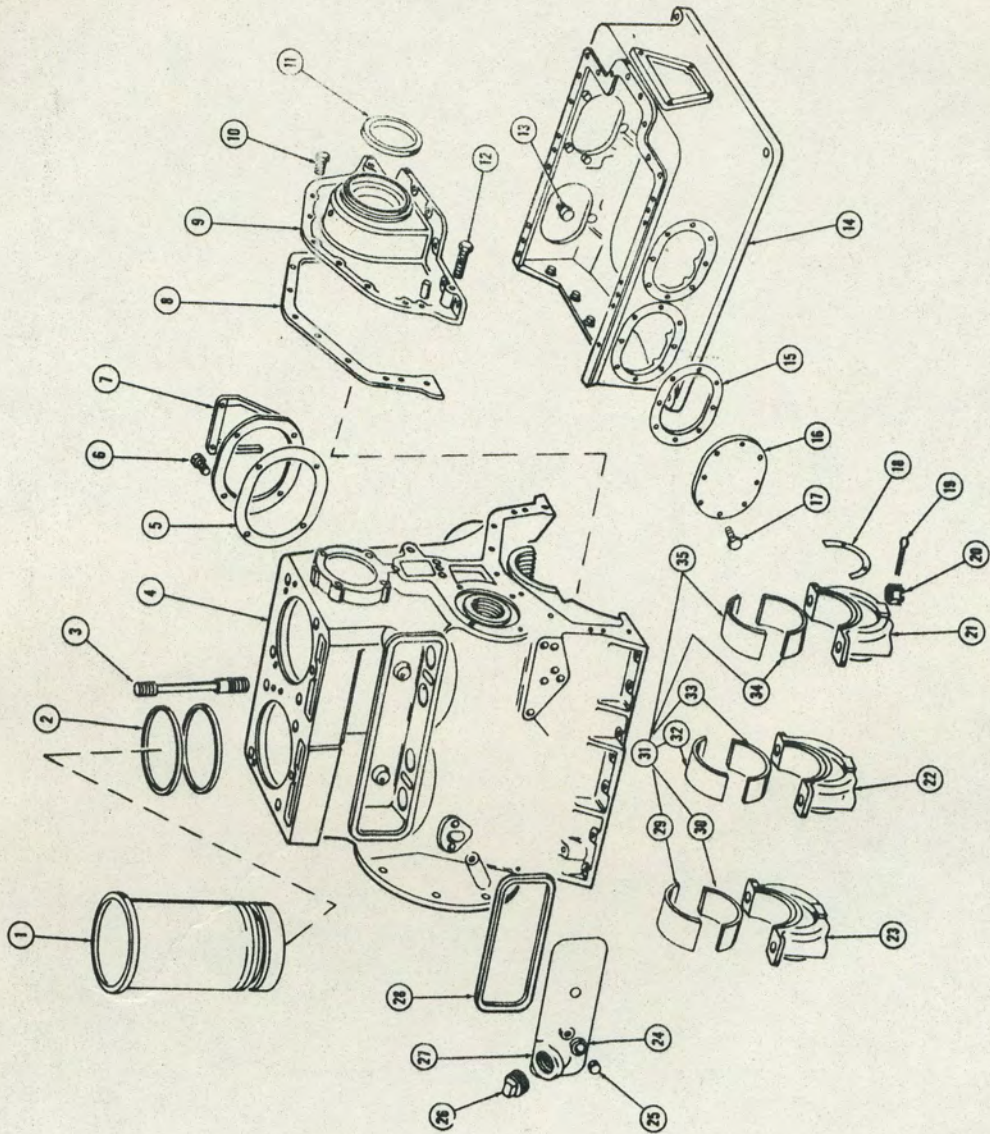
EXHAUST MANIFOLD
FIGURE 31

(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY				(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS																	
TECHNICAL SOURCE	MAINT LEVEL					RECOV.	INC	IN	UNIT	2ND ECHELON				FIG NO	ITEM NO																
										1-5	6-20	21-50	51-100			(A)	(B)														
			<u>B0117.03 OIL COOLER (CONTINUED)</u>																												
	C O	2940-470-0900	SPRING, HELICAL, COMPRESSION: by-pass valve (P/N 5154270)	EA		2	*	*	*	*			23	24																	
			<u>B0117.07 OIL PAN</u>																												
5	C O	2815-354-1195	GASKET: oil pan to block (P/N 5154198)	EA		2	1	1	2	2			30	2																	
			<u>B0119 MANIFOLDS</u>																												
5	P O	2815-354-1197	GASKET: exhaust manifold to head (P/N 5154210)	EA		2	*	*	2	2			31	8																	
			MANIFOLD, EXHAUST: water cooled (P/N 5157385) 2 EA																												
9	C O	5307-281-3301	STUD, PLAN: manifold to cover plate (P/N 5150744)	EA		4	*	*	*	*			31	10																	
	C O	5307-637-8993	manifold to flange (P/N 5151931)	EA		8	*	*	*	*			31	6																	
			<u>B0129 ENGINE STARTING SYSTEMS</u> <u>B0129.03 HYDRAULIC STARTING SYSTEM</u>																												
			Note: The following item is u/o Detroit Diesel Engines equipped w/Hydraulic Starting System.																												
5	C O	3030-499-3572	BELTS, V, MATCHED SET: hydraulic pump (P/N 5168863)	SE		2	*	*	*	*																					
			Note: For additional Hydraulic Starting System repair parts refer to TM 55-2990-201-12P.																												
			<u>C0100 ENGINE ASSEMBLY</u>																												
			Note: Give ser no. & complete nameplate data of ENGINE, DIESEL when requisitioning repair parts.																												
5	P1 O	2815-141-2120	ENGINE, DIESEL: Nordberg Mfg Co, model 4FS2	EA		2	*	*	*	*			32																		
5	P O	2815-375-2713	GASKET SET: engine overhaul (P/N 91326001) c/o 1 EA GASKET, air cleaner (P/N 35877101) 1 EA GASKET, baffle to crankcase (P/N 35852871) 4 EA GASKET, base handhole cover (P/N 35211601) 1 EA GASKET, base to crankcase (P/N 35836991) 2 EA GASKET, bleeder screw (P/N 35362200) 2 EA GASKET, crankcase handhole cover (P/N 35211301) 2 EA GASKET, cylinder head (P/N 35311626) 2 EA GASKET, cylinder head to water manifold (P/N 35792901) 1 EA GASKET, element to tank (P/N 35767015) 2 EA GASKET, exhaust manifold (P/N 35353333) 1 EA GASKET, flywheel housing (P/N 35763295) 1 EA GASKET, forward end cover (P/N 35902501) 1 EA GASKET, fuel filter (P/N 35879761) 1 EA GASKET, fuel filter capscrew (P/N 35365001) 1 EA GASKET, fuel filter cover nut (P/N 35555470) 1 EA GASKET, fuel filter head (P/N 35688937) 1 EA GASKET, fuel filter shell (P/N 35532351) 1 EA GASKET, fuel filter vent screw (P/N 35550267) 1 EA GASKET, fuel pump housing (P/N 35853521) 2 EA GASKET, fuel pump to tappet guide (P/N 35800741) 1 EA GASKET, governor (P/N 35656467) 1 EA GASKET, housing (P/N 35700501) 2 EA GASKET, injection nozzle (P/N 35367661)	EA		*	2	4	4					40	6	33	15	33	5	34	26	63	8	40	8	33	8	53	2	34	10
			(Continued)																												



ENGINE, DIESEL: model 4FS2
FIGURE 32

(1) SOURCE MAINT. & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY	(7) IS DAYS ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ALLOCATION						
TECH. S/C	SOURCE	MAINT. LEVEL						RECOV.	MFG	M4	UNIT					FIG NO	ITEM NO	
												1-8	9-20	21-50	51-100			(A)
CO100 ENGINE ASSEMBLY (CONTINUED)																		
				GASKET SET: - Continued														
				c/o														
				2 EA GASKET, intake manifold (P/N 35008581)								40	7					
				1 EA GASKET, lube oil cooler cover (P/N 35239261)								39	1					
				1 EA GASKET, lube oil cooler element (P/N 35238080)								39	1					
				1 EA GASKET, lube oil filter base (P/N 35656488)								38	3					
				1 EA GASKET, lube oil filter cap screw (P/N 35554770)								38	2					
				1 EA GASKET, lube oil filter head (P/N 35688986)														
				1 EA GASKET, lube oil filter mtg (P/N 35891023)								38	10					
				1 EA GASKET, lube oil pump cover (P/N 35653981)								37	8					
				2 EA GASKET, lube oil pump tube (P/N 35791501)								37	15					
				1 EA GASKET, lube oil relief valve (P/N 35369621)								37	14					
				1 EA GASKET, push rod cover (P/N 35539551)								36	23					
				1 EA GASKET, tank element head (P/N 35844582)														
				2 EA GASKET, tappet guide housing (P/N 35404101)														
				1 EA GASKET, thermostat (P/N 35688061)								63	6					
				1 EA GASKET, thermostat (P/N 35688146)														
				1 EA GASKET, thermostat housing (P/N 35875141)								63	4					
				1 EA GASKET, thermostat housing extension (P/N 35797941)														
				1 EA GASKET, transfer pump bowl (P/N 35688402)								52	3					
				1 EA GASKET, transfer pump mtg (P/N 35808301)								52	20					
				1 EA GASKET, tube bundle to bonnet (P/N 35848841)								61	27					
				1 EA GASKET, valve cover (P/N 35817411)								36	17					
				1 EA GASKET, water manifold (P/N 35875841)								63	5					
				1 EA GASKET, water pump to crankcase (P/N 35692481)								61	13					
				2 EA GASKET, water pump to suction pipe (P/N 35796541)								61	16					
				1 EA SEAL, crankshaft front oil (P/N 7206570)								42	10					
				1 EA SEAL, crankshaft rear oil (P/N 7209365)														
				1 EA SEAL, crankshaft ring (P/N 35710176)														
				4 EA SEAL, cylinder sleeve (P/N 35711301)								42	7					
				1 EA SEAL, decompression device oil (P/N 7250500)								36	9					
				1 EA SEAL, shaft (P/N 63580301)														
				1 EA SEAL, water pump shaft (P/N 68009370)								61	10					
				1 EA SPRING, steel, seal (P/N 3658163)														
				1 EA WASHER, acorn nut, soft copper (P/N 3536741)														
C	0		6115-375-2714	SPRING ASSORTMENT: engine overhaul (P/N 91328006)								EA	*	2	4	4		
				c/o														
				1 EA SPRING, bendix drive (P/N EBA1205)								70	6					
				1 EA SPRING, decompression device lever stop (P/N 3680299)								36	14					
				1 EA SPRING, decompression device torsion shaft (P/N 3680388)								36	10					
				1 EA SPRING, governor (P/N 3662261)								54	23					
				1 EA SPRING, governor, 1 & 2 cylinder engine (P/N 3662165)														
				1 EA SPRING, injection pump linkage (P/N 3602464)														
				1 EA SPRING, lube oil relief valve (P/N 3603004)								36	12					
				1 EA SPRING, lube oil relief valve (P/N 3603010)														
				1 EA SPRING, shut off control (P/N 3603672)														
				1 EA SPRING, HELICAL, COMPRESSION, delivery valve (P/N 59548113)														
				1 EA SPRING, HELICAL, COMPRESSION, exhaust & intake valve (P/N 3609496)								34	3					
				1 EA SPRING, HELICAL, COMPRESSION, plunger (P/N 59548115)														
				1 EA SPRING, HELICAL, TORSION, generator brush (P/N 6W45A)								63	26					

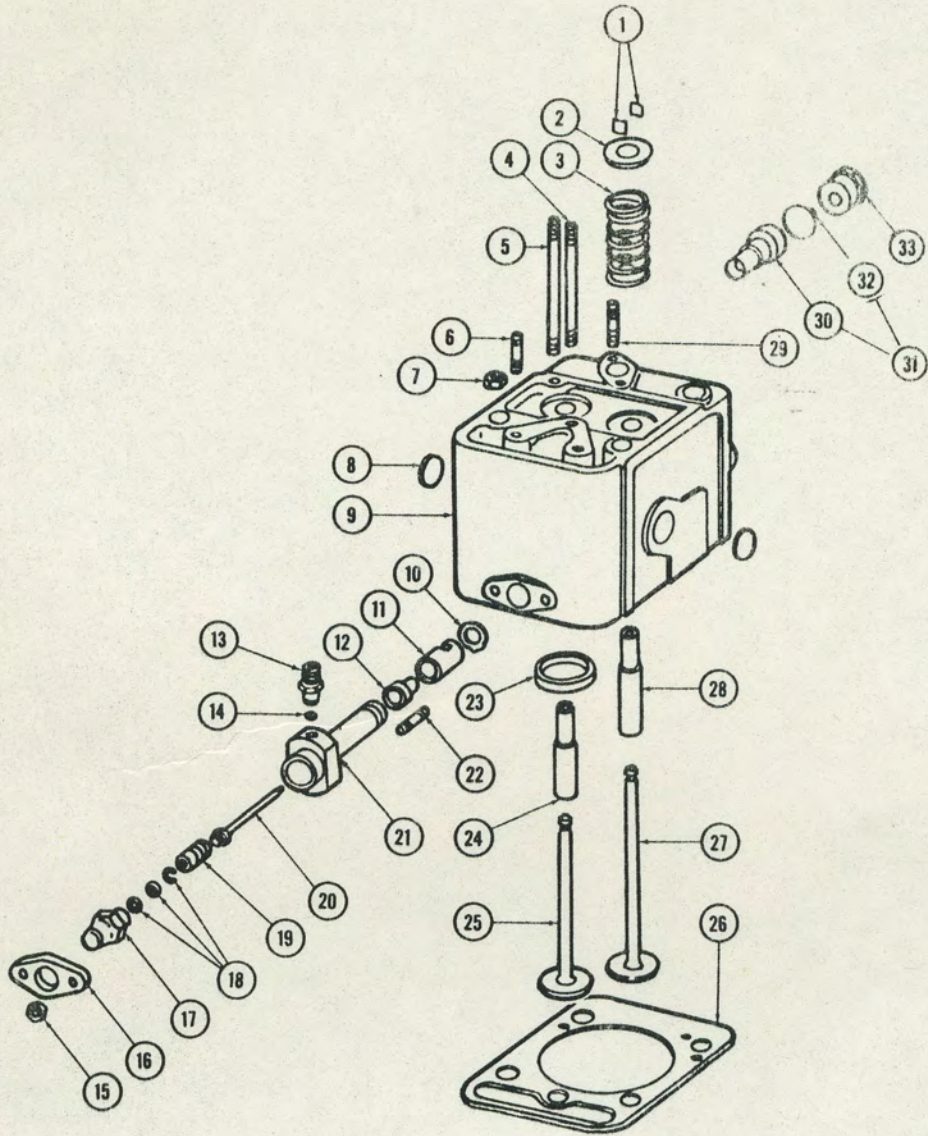


CRANKCASE AND BASE: model 4FS2 engine
FIGURE 33 (1)

1. Sleeve: cylinder
2. Seal: cylinder sleeve
3. Stud: cylinder head mtg
4. Crankcase
5. Gasket: crankcase hand hole cover
6. Bolt, Machine: crankcase hand hole cover
7. Cover: crankcase hand hole
8. Gasket: forward end cover
9. Cover: forward end
10. Bolt: forward end cover to crankcase
11. Seal: oil, crankshaft, front
12. Bolt: cover to crankcase
13. Plug: base
14. Base
15. Gasket: base hand hole cover
16. Cover: base hand hole
17. Bolt, Machine: base hand hole cover
18. Washer, Thrust: crankshaft
19. Pin, Cotter: bearing stud
20. Nut: bearing stud
21. Cap: main bearing, front
22. Cap: main bearing, center
23. Cap: main bearing, rear
24. Washer: push rod cover
25. Nut, Plain, Cap: push rod cover
26. Plug: push rod cover
27. Cover: push rod
28. Gasket: push rod cover
29. Bearing Half: upper rear
30. Bearing Half: lower rear
31. Bearing Half Set, Sleeve
32. Bearing Half: upper center
33. Bearing Half: lower center
34. Bearing Half: lower front
35. Bearing Half: upper front

CRANKCASE AND BASE: model 4FS2 engine

FIGURE 33 (2)



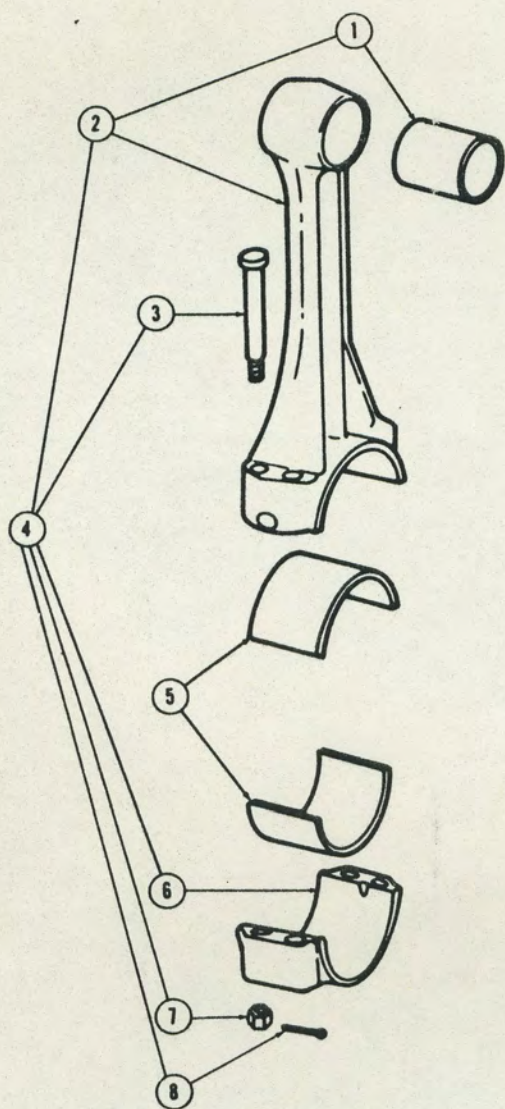
CYLINDER HEAD, VALVES AND FUEL INJECTION NOZZLE
FIGURE 34 ①

1. Lock, Valve Spring Retainer
2. Retainer: valve spring
3. Spring, Helical, Compression: valves
4. Stud: rocker arm bracket
5. Stud: valve cover
6. Stud: rocker arm bracket inlet & exhaust manifolds
7. Nut: cylinder head stud
8. Plug: expansion
9. Head: cylinder
10. Gasket: injector nozzle
11. Nut: nozzle cap
12. Nozzle: fuel injector
13. Stud: fuel inlet
14. Gasket: fuel inlet stud
15. Nut, Plain, Hexagon: fuel injector mtg
16. Flange
17. Nut: spring retaining cap
18. Washer: pressure adjusting
19. Spring, Helical, Compression: injector nozzle holder
20. Spindle
21. Holder Assembly: injector nozzle
22. Stud: fuel nozzle
23. Insert: exhaust valve seat
24. Guide: exhaust valve
25. Valve: exhaust
26. Gasket: cylinder head
27. Valve: intake
28. Guide: intake valve
29. Stud: manifold to head
30. Cell: energy, cylinder
31. Cell, Energy, Cylinder: incl cap
32. Cap: energy cell
33. Plug: energy cell

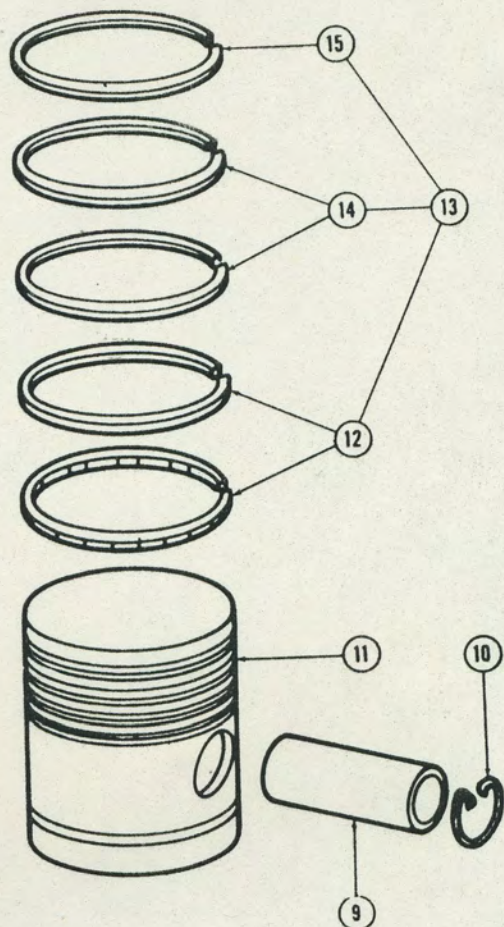
CYLINDER HEAD, VALVES AND FUEL INJECTION NOZZLE

FIGURE 34 (2)

(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TROJLVC	SOURCE	MAINT LEVEL						RECOV.	2ND ECHELON				FIG NO	ITEM NO
									1-5	6-20	21-50	51-100		
				<u>CO101 CRANKCASE</u>										
	P	O	5306-808-7973	BOLT, MACHINE: handhole cover mtg, 5/16 in.-18 NC, 7/8 in. lg (P/N MS35303-33)	EA		64	†	†	†	†	33	17	
	C	O	5330-375-2758	GASKET: base handhole cover (P/N 35211601)	EA		8	2	8	12	16	33	15	
				<u>CO103 BLOCK</u>										
9	P	O	5306-550-1209	BOLT, MACHINE: handhole cover, 5/16 in.-18 NC, 3/4 in. lg (P/N MS35295-32)	EA		16	†	†	†	†	33	6	
	C	O	5330-375-2757	GASKET: forward end cover (P/N 35902501)	EA		2	*	2	4	4	33	8	
	C	O	5330-375-2762	handhole cover (P/N 35773261)	EA		4	2	4	6	8	33	5	
	C	O	5330-333-2005	push rod cover (P/N 35508221)	EA		2	1	2	4	4	33	28	
	C	O	5310-795-1913	NUT, PLAIN, CAP: push rod cover (P/N 51270450)	EA		4	*	*	*	*	33	25	
				<u>CO105 CYLINDER HEAD</u>										
5	P	O	2815-368-5260	CELL, ENERGY, CYLINDER (P/N 31685001)	EA		4	1	1	2	2	34	31	
	C	O	5330-375-2771	GASKET: cylinder head (P/N 35311626)	EA		4	2	2	4	4	34	26	
5	P	O	2815-375-2774	HEAD: cylinder, incl guides, inserts, studs & plugs (P/N 91328002)	EA		4	*	*	*	*	34	3	
	C	O	5310-375-2779	NUT: cylinder head stud, 3/4 in.-16 NF (P/N 51476001)	EA		16	*	*	*	*	34	7	
	C	O	5307-375-2766	STUD: cylinder head mtg (P/N 76718621)	EA		16	*	*	*	*	33	3	
				<u>CO107 CRANKSHAFT</u>										
	P	O	3120-368-5259	BEARING HALF SET, SLEEVE: crankshaft main (P/N 91326003) c/o 1 EA BEARING HALF, lower center (P/N 17005064) 1 EA BEARING HALF, lower front (P/N 17005365) 1 EA BEARING HALF, lower rear (P/N 17007025) 1 EA BEARING HALF, upper center (P/N 17053666) 1 EA BEARING HALF, upper front (P/N 17006195) 1 EA BEARING HALF, upper rear (P/N 17007855)	SE		2	*	1	2	2	33	31	
	P	O	5305-631-4469	SCREW, FLAT HEAD: crankshaft, no. 6-32 NC, 3/8 in. lg (P/N 2815096)	EA		8	*	*	*	*	33	33	
	C	O	5330-375-2764	SEAL: oil, crankshaft front (P/N 72066570)	EA		2	*	1	2	2	33	34	
	C	O	3120-379-2246	WASHER, THRUST: crankshaft (P/N 64664001)	EA		4	*	1	1	2	33	30	
	P	O	3120-375-2702	BEARING HALF, SLEEVE: connecting rod lower & upper (P/N 16973876)	EA		8	6	8	10	12	35	32	
5	P	O	2815-375-2793	CONNECTING ROD ASSEMBLY: incl bushing, bolts, nuts & cotter pins (P/N 91318003)	EA		4	*	*	*	*	35	33	
	C	O	3120-375-2785	BUSHING: piston pin (P/N 22041721)	EA		4	*	*	*	*	35	35	
												35	29	
				<u>CO111 PISTONS, CONNECTING RODS</u>										
	P	O	3120-375-2702	BEARING HALF, SLEEVE: connecting rod lower & upper (P/N 16973876)	EA		8	6	8	10	12	35	29	
5	P	O	2815-375-2793	CONNECTING ROD ASSEMBLY: incl bushing, bolts, nuts & cotter pins (P/N 91318003)	EA		4	*	*	*	*	35	4	
	C	O	3120-375-2785	BUSHING: piston pin (P/N 22041721)	EA		4	*	*	*	*	35	1	

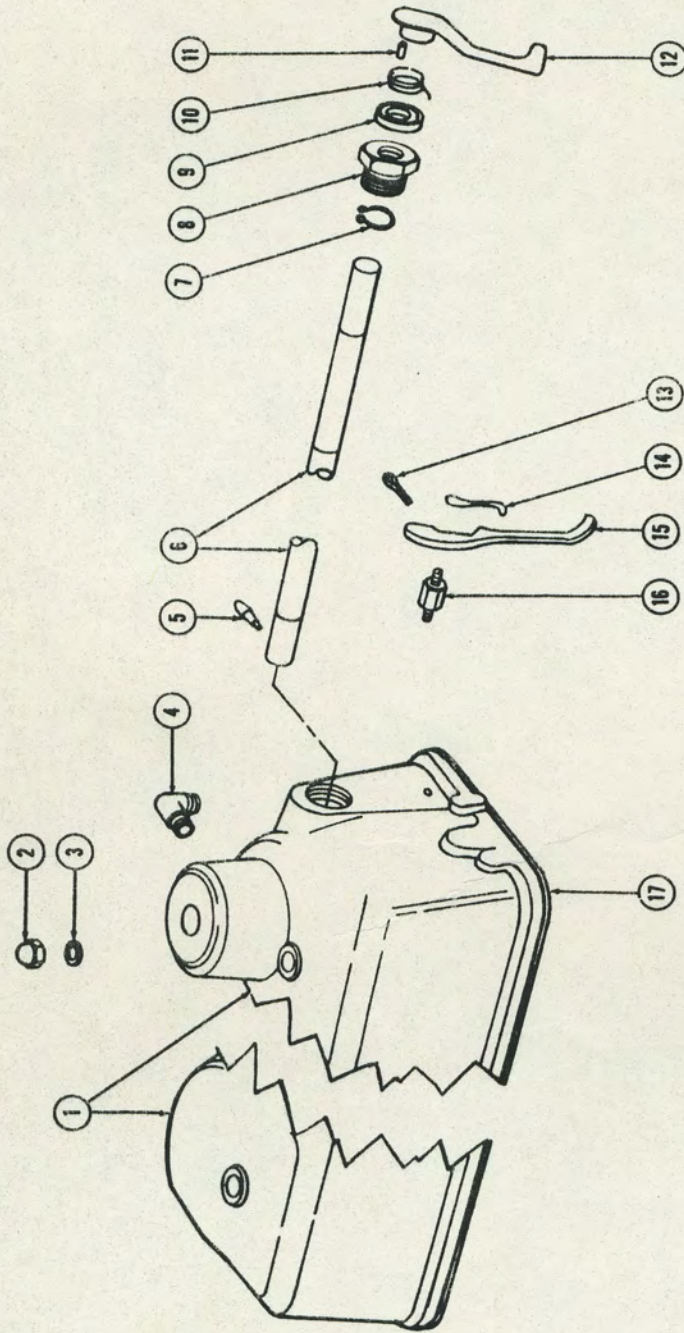


1. Bushing: piston pin
2. Rod: connecting
3. Bolt: connecting rod
4. Connecting Rod Assembly
5. Bearing Half, Sleeve: connecting rod
6. Cap: connecting rod
7. Nut: connecting rod bolt
8. Pin, Cotter



9. Pin, Piston
10. Retainer: piston pin
11. Piston
12. Ring: oil cutter
13. Ring Set, Piston
14. Ring: compression, tapered face
15. Ring: compression, straight face

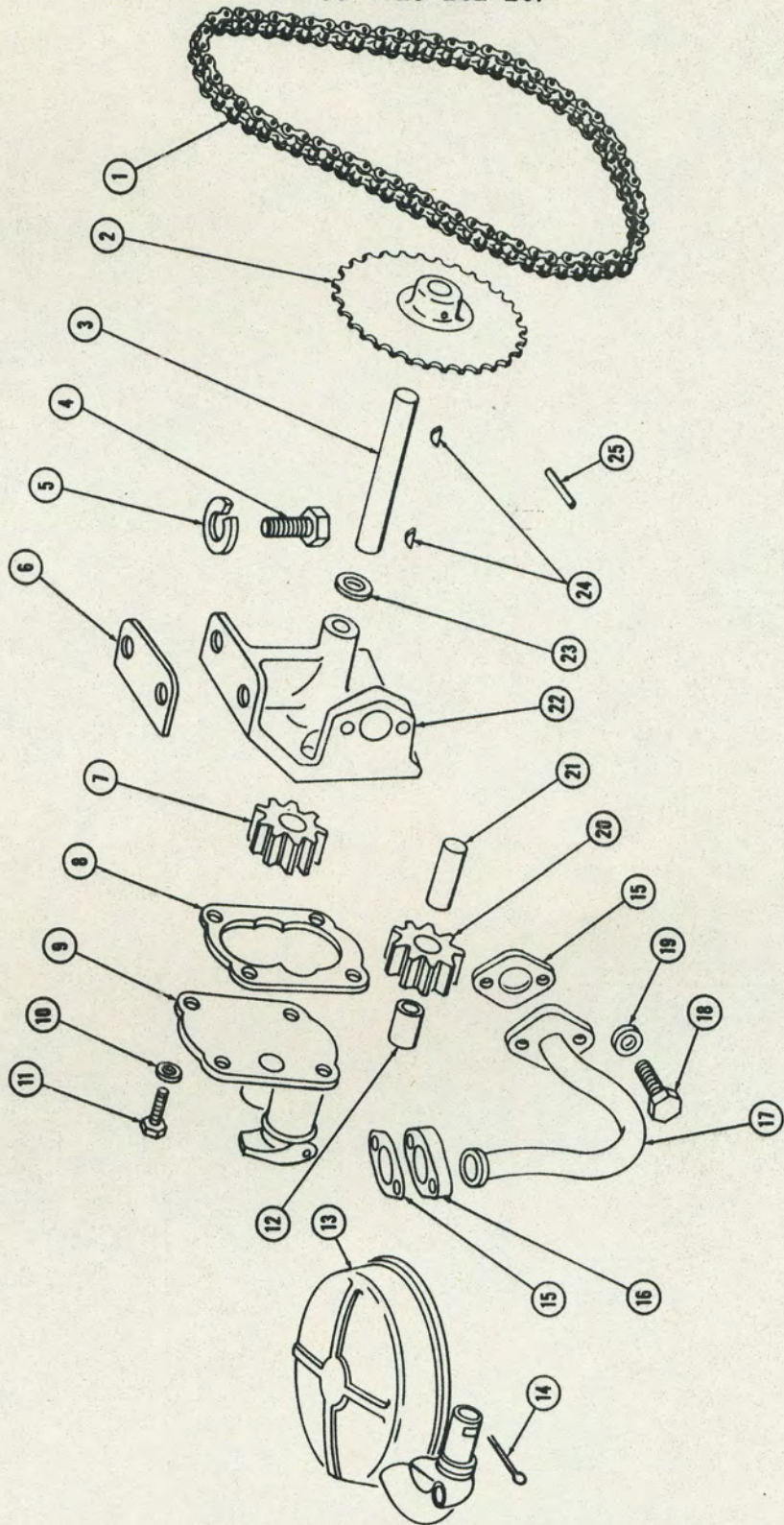
PISTON AND CONNECTING ROD
FIGURE 35



- | | |
|------------------------------------|--|
| 1. Cover | 10. Spring: decompression device torsion shaft |
| 2. Nut, Plain, Cap | 11. Pin: decompression device lever |
| 3. Washer | 12. Lever: decompression device |
| 4. Elbow | 13. Pin, Cotter |
| 5. Pin: decompression device shaft | 14. Spring: decompression device lever stop |
| 6. Shaft | 15. Lever: stop |
| 7. Ring | 16. Pin: stop lever |
| 8. Nut | 17. Gasket: valve cover |
| 9. Seal: oil decompression device | |

VALVE COVER AND DECOMPRESSION DEVICE
FIGURE 36

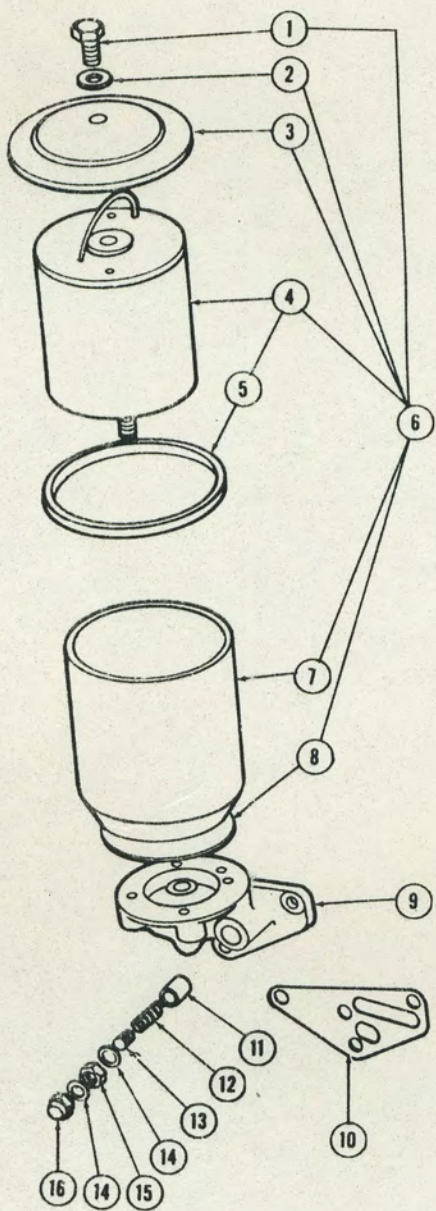
(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT				(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED 2ND ECHELON				(8) ILLUS- TRATIONS	
TECHN	SOURCE	MAINT	RECOV					1-5	6-20	21-50	51-100	FIG NO	ITEM NO				
														(A)	(B)		
<u>CO111 PISTONS, CONNECTING RODS (CONTINUED)</u>																	
9	P	0		5315-234-1664	PIN, COPPER: connecting rod bolt, 3/16 in. dia, 1-1/2 in. lg (P/N MS24665-495)	EA		16	φ	φ	φ	φ	35	8			
5	P	0		2815-588-5070	PIN, PISTON (P/N 53714825)	EA		4	*	*	*	*	35	9			
5	P	0		2815-375-2786	PISTON (P/N 54879341)	EA		4	*	*	*	*	35	11			
5	P	0		2815-375-2786	RETAINER: piston pin (P/N 64424601)	EA		8	*	*	*	*	35	10			
P	0			2815-375-2789	RING SET, PISTON: complete for 1 piston (P/N 91325002) c/o 1 EA RING, compression, straight face (P/N 63119761) 2 EA RING, compression, tapered face (P/N 63121101) 2 EA RING, oil cutter (P/N 63166561)	SE		4	*	4	4	8	35	13			
													35	15			
													35	14			
													32	12			
<u>CO113 CYLINDER SLEEVES</u>																	
C	0			5330-375-2763	SEAL: cylinder sleeve (P/N 35711301)	EA		8	*	2	4	4	33	2			
5	P	0		2815-375-2765	SLEEVE: cylinder (P/N 48445781)	EA		4	*	*	*	*	33	1			
<u>CO115 VALVES, VALVE OPERATING MECHANISM & TIMING SYSTEM CO115.01 VALVES</u>																	
C	0			5330-333-2007	GASKET: valve cover (P/N 35817411)	EA		2	*	1	1	2	36	17			
5	P	0		2815-375-2695	LOCK, VALVE SPRING RETAINER (P/N 62723201)	EA		16	*	*	*	*	34	1			
C	0			5330-375-2819	SEAL: oil decompression device (P/N 7250500)	EA		2	*	*	*	2	36	9			
C	0			5340-275-2823	decompression device lever stop (P/N 3680299)	EA		2	*	*	*	*	36	14			
C	0			5340-375-2822	decompression device torsion shaft (P/N 3680388)	EA		2	*	*	*	*	36	10			
5	C	0		2815-375-2697	SPRING, HELICAL, COMPRESSION: exhaust & intake valve (P/N 3609496)	EA		8	*	*	*	*	34	3			
5	P	0		2815-375-2699	VALVE: exhaust (P/N 83419721)	EA		4	*	*	*	*	34	25			
5	P	0		2815-375-2698	intake (P/N 8342204)	EA		4	*	*	*	*	34	27			
<u>CO117 ENGINE LUBRICATING SYSTEM CO117.01 OIL PUMP ASSEMBLY</u>																	
5	P	0		2815-375-2825	CHAIN, OIL PUMP DRIVE (P/N 24260725)	EA		2	*	*	*	*	37	1			
C	0			5315-010-3385	PIN, COPPER: float-o assy, 1/8 in. dia, 1 in. lg (P/N 103385)	EA		2	φ	φ	φ	φ	37	14			
5	C	0		2815-375-2832	PUMP, OIL, ENGINE LUBRICATING (P/N 91318005)	EA		2	*	*	*	*	37				
C	0			5330-375-2828	GASKET: pump cover (P/N 35653981)	EA		2	*	*	2	2	37	8			
C	0			5305-577-5462	SCREW, CAP, HEXAGON HEAD: pump mtg, 3/8 in.-16 NC, 1 in. lg (P/N MS35295-60)	EA		4	φ	φ	φ	φ	37	4			
5	P	0		2815-375-2826	STRAINER ASSEMBLY, ENGINE: incl screen (P/N 33145701)	EA		2	*	*	*	*	37	13			



PUMP, OIL, ENGINE LUBRICATING
FIGURE 37 ①

1. Chain, Oil Pump Drive
2. Sprocket
3. Shaft: drive
4. Screw, Cap, Hexagon Head: pump mtg
5. Washer, Lock: pump mtg screw
6. Shim
7. Gear: drive
8. Gasket: cover
9. Cover
10. Washer, Lock: cover bolt
11. Bolt: cover
12. Bearing, Sleeve: driven gear
13. Strainer Assembly, Engine
14. Pin, Cotter
15. Gasket: oil passage tube flange
16. Flange
17. Tube
18. Bolt: oil passage tube flange
19. Washer, Lock: oil passage tube flange bolt
20. Gear: driven
21. Shaft: driven gear
22. Housing
23. Washer: drive shaft
24. Key
25. Pin

PUMP, OIL, ENGINE LUBRICATING
FIGURE 37 (2)

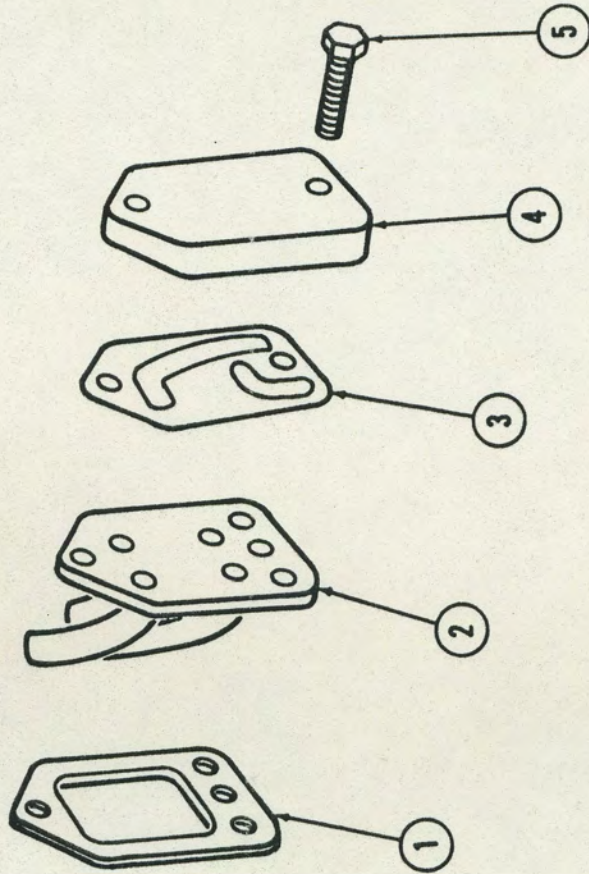


1. Capscrew
2. Gasket: cover screw
3. Cover
4. Filter Element, Fluid Pressure
5. Washer, Nonmetallic: cover
6. Filter, Fluid, Pressure
7. Body
8. Gasket: body to base
9. Base
10. Gasket: mtg
11. Valve, Relief
12. Spring: relief valve
13. Screw
14. Gasket: relief valve
15. Nut
16. Nut, Cap

LUBE OIL FILTER AND RELIEF VALVE
FIGURE 38

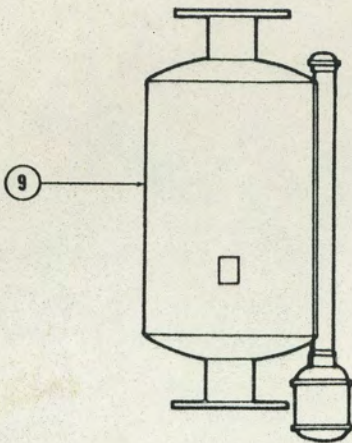
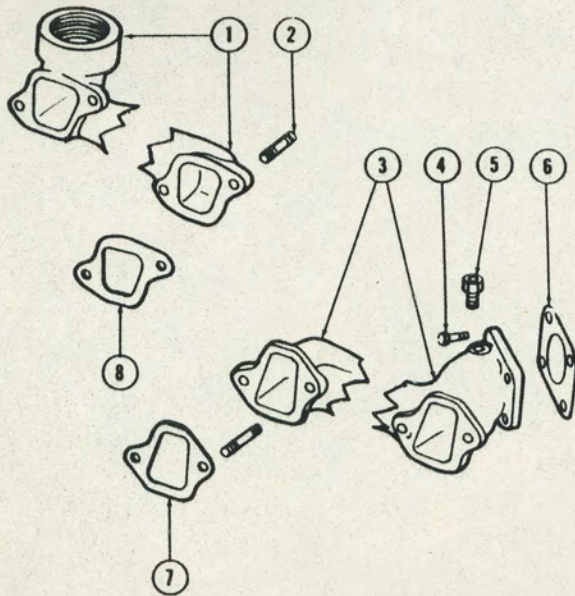
(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS			
TROUBLE	SOURCE	MAINT LEVEL	RECOV.					2ND ECHELON				FIG NO (A)	ITEM NO (B)		
								1-5	6-20	21-50	51-100				
<u>CO117.01 OIL PUMP ASSEMBLY (CONTINUED)</u>															
	P	O		5310-261-7340	WASHER, LOCK: pump mtg, 3/8 in. nom screw size (P/N MS35338-8)	EA	4	φ	φ	φ	φ	37	5		
<u>CO117.02 OIL FILTERS</u>															
	9	P	O	2940-375-2711	FILTER, FLUID, PRESSURE: lube oil (P/N FB4P2) 1 EA	EA	2	2	2	4	4	38	4		
		C	O	5330-291-4503	WASHER, NONMETALLIC: cover (P/N 10615)	EA	2	*	*	2	2	38	5		
		C	O	2940-558-1252	GASKET: filter body (P/N 13057)	EA	2	*	2	2	4	38	8		
	9	P	O	2805-530-1042	filter screw (P/N 10076)	EA	2	*	*	2	2	38	2		
		C	O	5330-375-2854	GASKET: filter mtg (P/N 35891023)	EA	2	*	*	2	2	38	10		
		C	O	5330-375-2853	lube oil relief valve (P/N 35369621)	EA	2	*	*	2	2	38	14		
		C	O	5340-375-2855	SPRING: lube oil relief valve (P/N 3603010)	EA	2	*	*	*	1	38	12		
	5	P	O	2815-375-2776	VALVE, RELIEF (P/N 85002401)	EA	2	*	*	*	1	38	11		
<u>CO117.03 OIL COOLER</u>															
	5	P	O	2815-375-2753	COOLER ELEMENT (P/N 25480004)	EA	2	*	*	*	*	39	2		
Note: GASKET, P/N 35815431 is replaced by GASKET, P/N 35238080.															
		C	O	5330-611-7187	GASKET: cooler element to crankcase (P/N 35238080)	EA	2	*	*	2	2	39	1		
Note: GASKET, P/N 35816551 is replaced by GASKET, P/N 35239261.															
		C	O	5330-611-7188	GASKET: oil cooler cover (P/N 35239261)	EA	2	*	*	2	2	39	3		
<u>CO119 MANIFOLDS</u>															
		C	O	5330-375-2772	GASKET: exhaust manifold (P/N 35353333)	EA	6	*	2	4	4	40	8		
		C	O	5330-375-2773	intake manifold (P/N 35808581)	EA	6	*	2	4	4	40	7		
<u>DO100 ENGINE ASSEMBLY</u>															
Note: Give ser no. & complete nameplate data of ENGINE, DIESEL when requisitioning repair parts.															
	5	P	L	O	T	2815-141-2116	ENGINE, DIESEL: Nordberg Mfg Co, model 4FS3	EA	1	*	*	*	*	41	
		C	O			2815-091-7937	GASKET SET: engine overhaul (P/N 91327002) c/o 1 EA GASKET, air cleaner (P/N 35877101) 1 EA GASKET, baffle to crankcase (P/N 35852871) 6 EA GASKET, base handhole cover (P/N 35773841) 1 EA GASKET, base to crankcase (P/N 35829071) 3 EA GASKET, bleeder screw (P/N 35362200) 3 EA GASKET, cylinder head (P/N 35311626)	EA		*	1	2	2	40	6
													33	15	
													34	22	

(Continued)



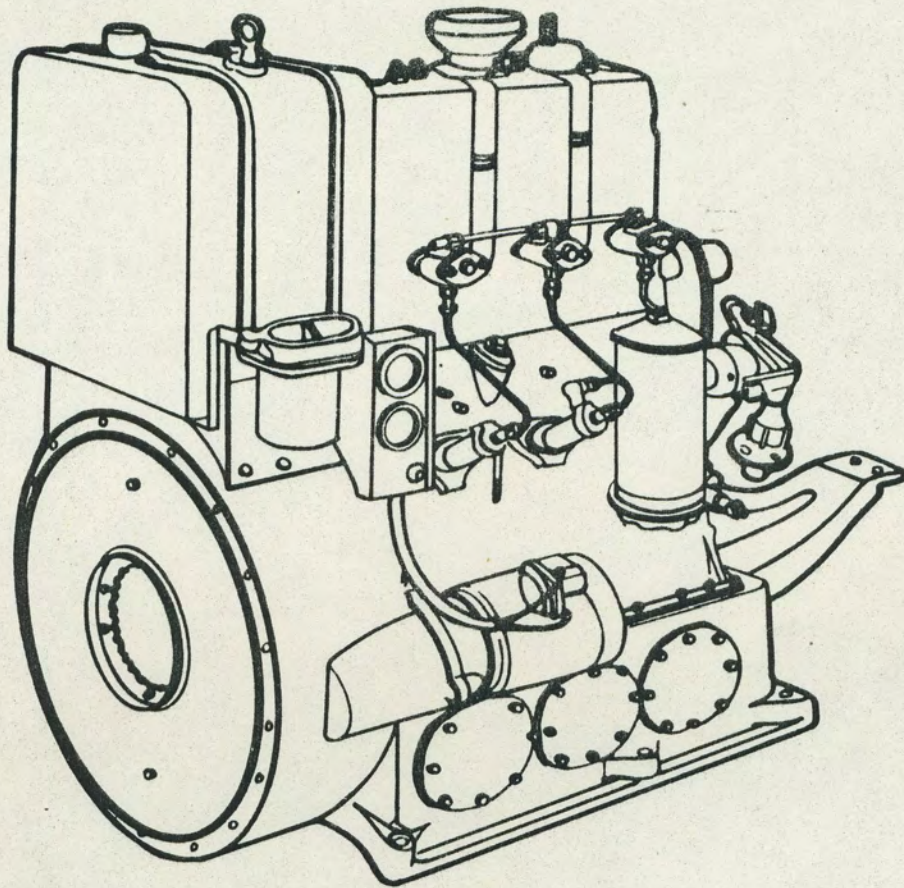
1. Gasket: element to crankcase
2. Cooler Element
3. Gasket: cover
4. Cover
5. Capscrew

LUBE OIL COOLER
FIGURE 39



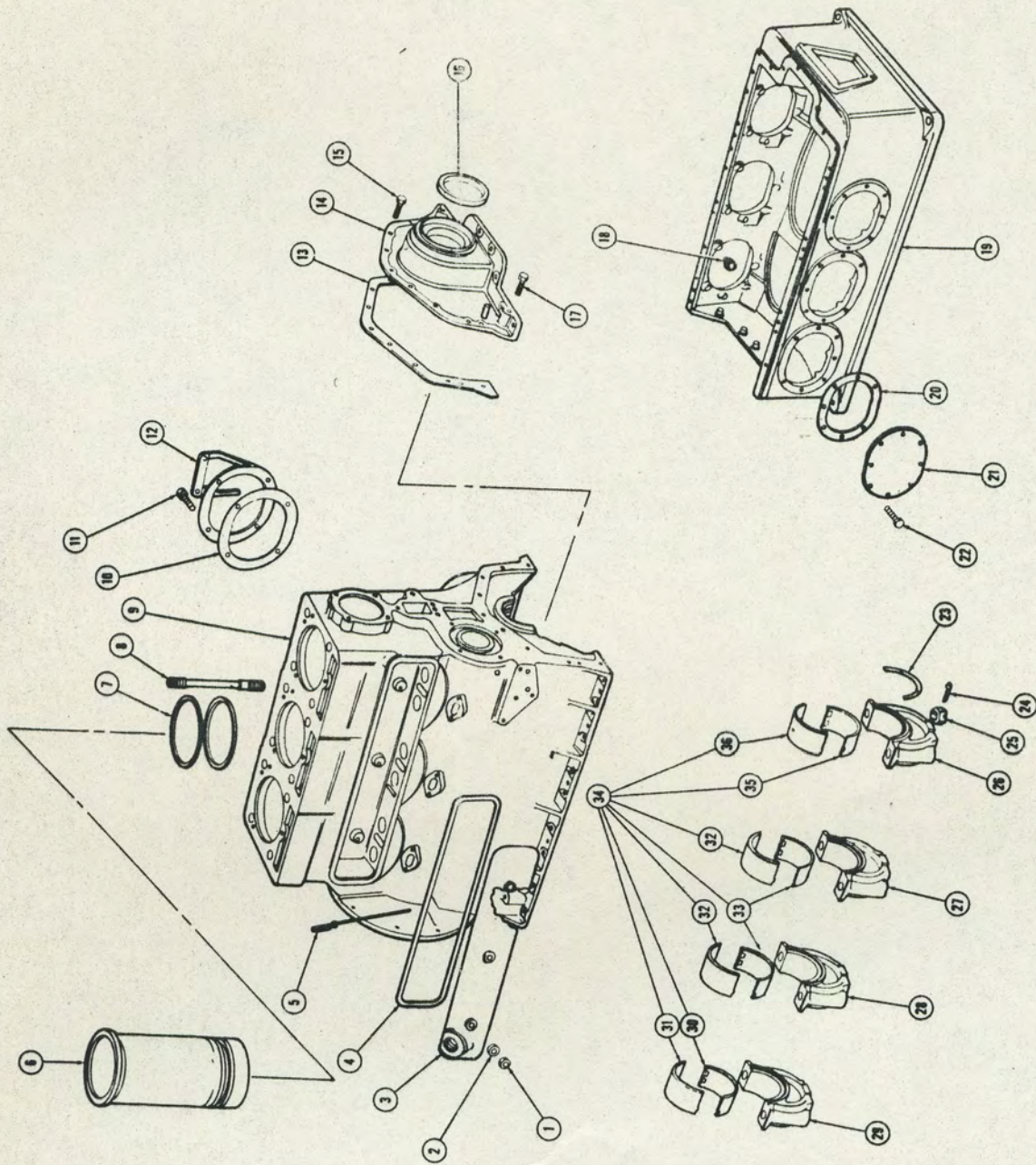
1. Manifold, Exhaust
2. Stud
3. Manifold, Intake
4. Capscrew
5. Adapter
6. Gasket: intake manifold to air cleaner
7. Gasket: intake manifold
8. Gasket: exhaust manifold
9. Muffler, Exhaust

MANIFOLDS AND MUFFLER
FIGURE 40



ENGINE, DIESEL: model 4FS3
FIGURE 41

(1) SOURCE MAINT & REC'D CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TECHN	SOURCE	MAINT	LVL						REC'D	2ND ECHOLON				FIG NO	ITEM NO
										1-5	6-20	21-80	81-100		
					DO100 ENGINE ASSEMBLY (CONTINUED)										
					GASKET SET: - Continued										
					c/o										
					1 EA GASKET, cylinder head to water manifold (P/N 35792901)								63	8	
					1 EA GASKET, element to tank (P/N 35851321)										
					3 EA GASKET, exhaust manifold (P/N 35353333)								40	8	
					1 EA GASKET, flywheel housing (P/N 35763295)										
					1 EA GASKET, forward end cover (P/N 35902501)								33	8	
					1 EA GASKET, fuel filter (P/N 35879761)										
					1 EA GASKET, fuel filter capscrew (P/N 35365001)										
					1 EA GASKET, fuel filter cover nut (P/N 35555470)										
					1 EA GASKET, fuel filter head (P/N 35688937)										
					1 EA GASKET, fuel filter shell (P/N 35532351)										
					1 EA GASKET, fuel filter vent screw (P/N 35550257)										
					2 EA GASKET, fuel pump to tappet guide (P/N 35800741)								53	2	
					1 EA GASKET, fuel transfer pump mtg (P/N 35808301)								52	20	
					1 EA GASKET, governor body (P/N 35656788)										
					1 EA GASKET, governor drive housing to crankcase (P/N 35855081)										
					1 EA GASKET, governor to drive housing (P/N 35807461)										
					3 EA GASKET, handhole cover (P/N 35773261)										
					1 EA GASKET, housing (P/N 35700501)										
					3 EA GASKET, injection nozzle (P/N 35367661)								34	10	
					3 EA GASKET, intake manifold (P/N 35808581)								40	7	
					1 EA GASKET, lube oil cooler cover (P/N 35239261)								39	3	
					1 EA GASKET, lube oil cooler element to crankcase (P/N 35238080)								39	1	
					1 EA GASKET, lube oil filter base (P/N 35656488)								38	8	
					1 EA GASKET, lube oil filter capscrew (P/N 35554770)								38	2	
					1 EA GASKET, lube oil filter head (P/N 35688986)										
					1 EA GASKET, lube oil filter mtg (P/N 35891023)								38	10	
					1 EA GASKET, lube oil pump cover (P/N 35653981)								37	8	
					2 EA GASKET, lube oil pump tube (P/N 35791501)								37	15	
					2 EA GASKET, lube oil relief valve (P/N 35370741)								38	14	
					1 EA GASKET, push rod cover (P/N 35509931)								33	28	
					1 EA GASKET, tank element head (P/N 35840131)										
					1 EA GASKET, thermostat (P/N 35688061)								63	6	
					1 EA GASKET, thermostat (P/N 35688146)										
					1 EA GASKET, thermostat housing (P/N 35875141)								63	4	
					1 EA GASKET, transfer pump bowl (P/N 35688402)								52	3	
					1 EA GASKET, tube bundle to bonnet (P/N 35840196)								61	27	
					1 EA GASKET, valve cover (P/N 35816311)								36	17	
					1 EA GASKET, water manifold (P/N 35875841)								63	5	
					1 EA GASKET, water pump to crankcase (P/N 35852481)								61	13	
					1 EA GASKET, water pump to suction pipe (P/N 35796541)								61	16	
					1 EA SEAL, crankshaft front oil (P/N 7206570)								42	16	
					1 EA SEAL, crankshaft ring (P/N 35710176)										
					6 EA SEAL, cylinder sleeve (P/N 35711301)								42	7	
					1 EA SEAL, decompression device oil (P/N 7250500)								36	9	
					1 EA SEAL, flywheel oil (P/N 7209365)										
					1 EA SEAL, shaft (P/N 63580301)										
					1 EA SEAL, tappet guide oil (P/N 35706238)										
					1 EA SEAL, tappet guide oil (P/N 7202760)										
					1 EA SEAL, water pump shaft (P/N 63000970)										
					1 EA SPRING, steel (P/N 3658183)								61	10	
					9 EA WASHER, FLAT, acorn nut, soft copper (P/N 35363741)										



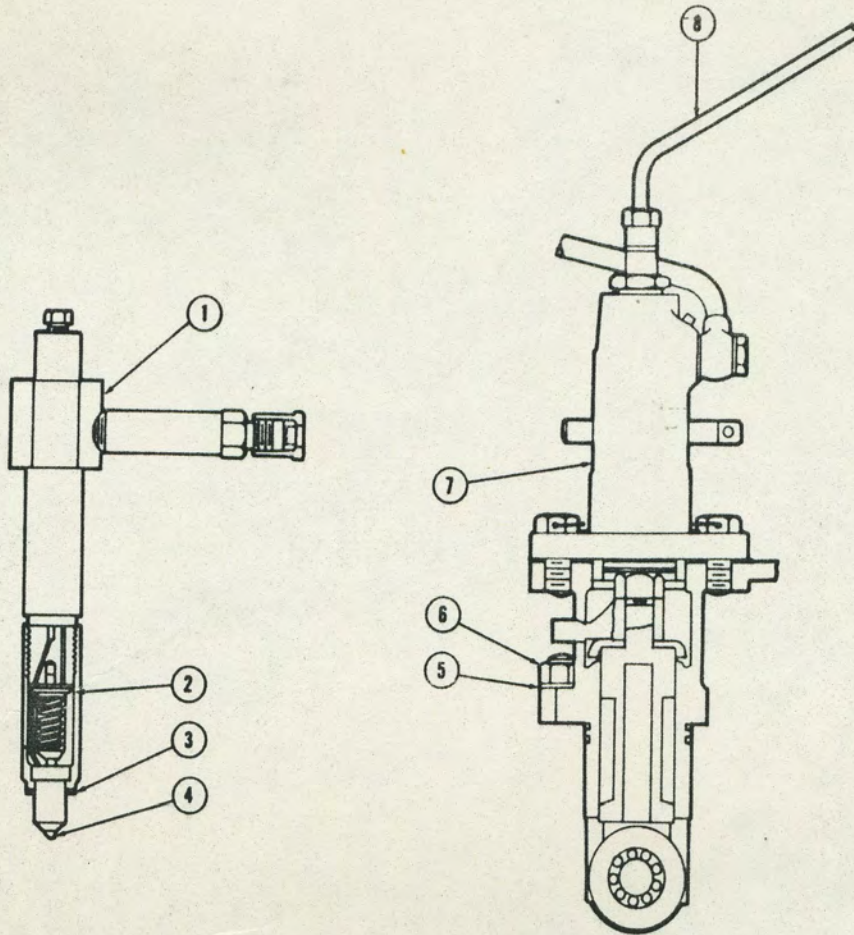
CRANKCASE AND BASE: model 4FS3 engine
 FIGURE 42 (1)

1. Nut, Plain, Cap: push rod cover
2. Washer: push rod cover
3. Cover: push rod
4. Gasket: push rod cover
5. Dipstick
6. Sleeve: cylinder
7. Seal: cylinder sleeve
8. Stud: cylinder head mtg
9. Crankcase
10. Gasket: crankcase hand
11. Bolt, Machine: crankcase hand hole cover
12. Cover: crankcase hand hole
13. Gasket: forward end cover
14. Cover: forward end
15. Bolt: forward end cover to crankcase
16. Seal: oil, crankshaft, front
17. Bolt: cover to crankcase
18. Plug: base
19. Base
20. Gasket: base hand hole cover
21. Cover: base hand hole
22. Bolt, Machine: base hand hole cover
23. Washer, Thrust: crankshaft
24. Pin, Cotter: bearing stud
25. Nut: bearing stud
26. Cap: main bearing, front
27. Cap: main bearing, intermediate front
28. Cap: main bearing, intermediate rear
29. Cap: main bearing, rear
30. Bearing Half: lower rear
31. Bearing Half: upper rear
32. Bearing Half: upper intermediate
33. Bearing Half: lower intermediate
34. Bearing Set
35. Bearing Half: lower front
36. Bearing Half: upper front

CRANKCASE AND BASE: model 4FS3 engine
FIGURE 42 (2)

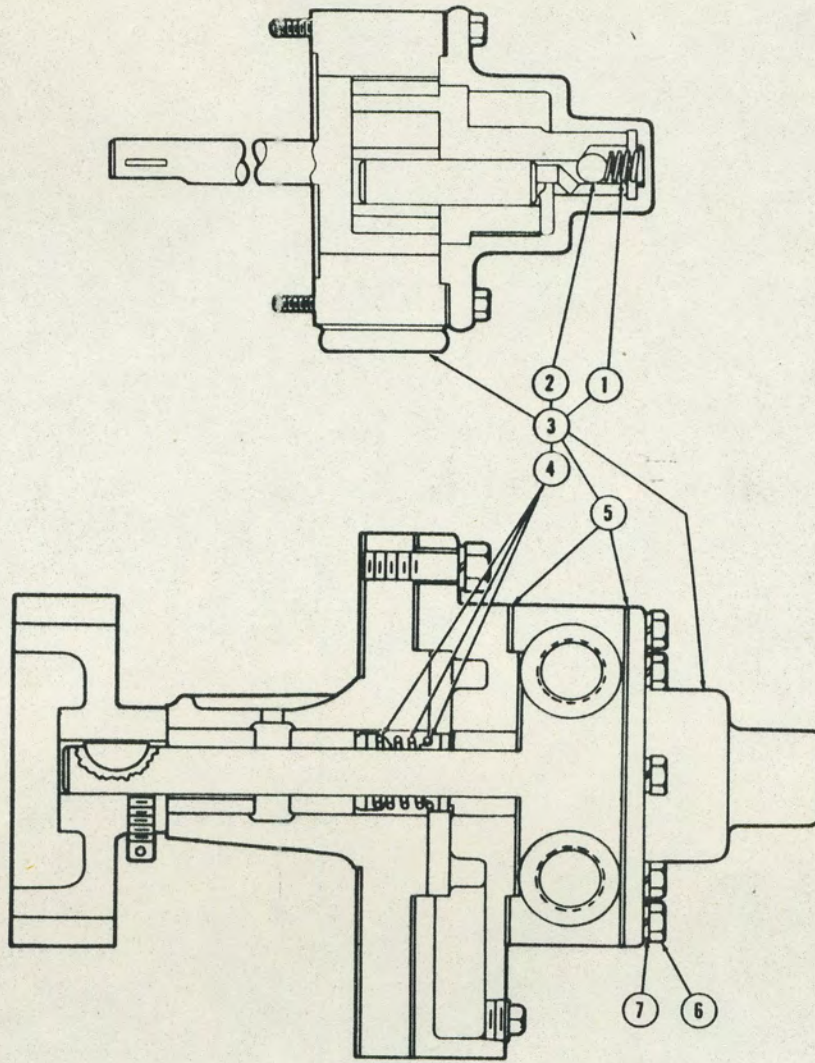
(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MANTY ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS			
TECH/STC	SOURCE						MAINT LEVEL	RECOV.	2ND ECHELON				FIG NO	ITEM NO
									1-8	6-20	21-50	51-100		
			<u>D010 CRANKSHAFT (CONTINUED)</u>											
			BEARING SET: - Continued											
			c/o											
			1 EA BEARING HALF upper front (P/N 17006195)										42	36
			2 EA BEARING HALF upper intermediate (P/N 17050666)										42	32
			1 EA BEARING HALF upper rear (P/N 17007855)										42	31
C	O		5330-375-2764	SEAL: oil, crankshaft, front (P/N 72066570)	EA	1	*	*	1	1	42	10		
C	O		3120-379-2246	WASHER, THRUST: crankshaft (P/N 64664001)	EA	2	*	*	*	*	42	23		
			<u>D011 PISTONS, CONNECTING RODS</u>											
P	O		3120-375-2702	BEARING HALF, SLEEVE: connecting rod upper & lower (P/N 16973876)	EA	6	4	6	8	10	35	5		
5	P	O	2815-375-2793	CONNECTING ROD ASSEMBLY: incl bushing, bolts, nuts & cotter pins	EA	3	*	*	*	*	35	4		
C	O		3120-375-2785	BUSHING: piston pin (P/N 22041721)	EA	3	*	*	*	*	35	1		
9	P	O	5315-234-1664	PIN, COTTER: connecting rod bolt, 3/16 in. dia, 1-1/2 in. lg (P/N MS24665-495)	EA	12	φ	φ	φ	φ	35	8		
5	P	O	2815-588-5070	PIN, PISTON (P/N 53714825)	EA	3	*	*	*	*	35	9		
5	P	O	2815-375-2786	PISTON (P/N 54879341)	EA	3	*	*	*	*	35	11		
5	P	O	2815-375-2788	RETAINER: piston pin (P/N 64424861)	EA	6	*	*	*	*	35	10		
5	P	O	2815-337-9298	RING SET, PISTON: complete for 3 pistons (P/N 91327001)	EA	1	*	*	1	2	35	13		
			c/o											
			3 EA RING, compression, straight face (P/N 63119781)										35	15
			6 EA RING, compression, tapered face (P/N 63121101)										35	14
			6 EA RING, oil cutter (P/N 63166561)										35	12
			<u>D013 CYLINDER SLEEVES</u>											
C	O		5330-375-2763	SEAL: cylinder sleeve (P/N 35711301)	EA	6	*	*	1	1	42	7		
5	P	O	2815-375-2765	SLEEVE: cylinder (P/N 48445781)	EA	3	*	*	*	*	42	6		
			<u>D015 VALVES, VALVE OPERATING MECHANISM & TIMING SYSTEM</u>											
			<u>D015.01 VALVES</u>											
C	O		5330-333-2124	GASKET: valve cover (P/N 35816311)	EA	1	*	*	1	1	36	17		
5	P	O	2815-375-2695	LOCK, VALVE SPRING RETAINER (P/N 62723201)	EA	12	*	*	*	*	34	1		
C	O		5310-795-1913	NUT, PLAIN, CAP: rocker arm shaft bracket & valve cover (P/N 51270450)	EA	7	*	*	*	*	36	2		
C	O		5330-375-2819	SEAL: oil, decompression device (P/N 7250500)	EA	1	*	*	1	1	36	9		
C	O		5340-275-2823	SPRING: decompression device	EA	1	*	*	*	*	36	14		
C	O		5340-375-2822	lever stop (P/N 3680299)	EA	1	*	*	*	*	36	10		
C	O			torsion, shaft (P/N 3680388)	EA	1	*	*	*	*	36	10		

(1) SOURCE MAINT. & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS			
TBO/LVC	SOURCE						MAINT LEVEL	RECOV.	2ND ECHELON				FIG NO	ITEM NO
									1-5	6-20	21-50	51-100		
			<u>D0115.01 VAL/ES (CONTINUED)</u>											
5	P	O	2815-375-2697	SPRING, HELICAL, COMPRESSION: exhaust & intake valve (P/N 3609496)	EA	6	*	*	*	*	34	3		
			VALVE:											
5	P	O	2815-375-2699	exhaust (P/N 83419721)	EA	3	*	*	*	*	34	25		
5	P	O	2815-375-2698	intake (P/N 8342204)	EA	3	*	*	*	*	34	27		
			<u>D0117 ENGINE LUBRICATING SYSTEM</u>											
			<u>D0117.01 OIL PUMP ASSEMBLY</u>											
5	P	O	2815-375-2825	CHAIN, OIL PUMP DRIVE (P/N 24260725)	EA	1	*	*	*	*	37	1		
	C	O	5315-010-3385	PIN, COTTER: float-o assy, 1/8 in. dia, 1 in. lg (P/N 103385)	EA	1	φ	φ	φ	φ	37	14		
5	C	O	2815-375-2832	PUMP, OIL, ENGINE LUBRICATING (P/N 91318005)	EA	1	*	*	*	*	37			
	C	O	5330-375-2828	GASKET: pump cover (P/N 35653981)	EA	1	*	*	1	1	37	8		
	C	O	5305-577-5462	SCREW, CAP, HEXAGON HEAD: pump mtg, 3/8 in.-16 NC, 1 in. lg (P/N MS35295-10)	EA	2	φ	φ	φ	φ	37	4		
5	P	O	2815-375-2826	STRAINER ASSEMBLY, ENGINE: lube pump incl screen (P/N 33145701)	EA	1	*	*	*	*	37	13		
	P	O	5310-261-7340	WASHER, LOCK: pump mtg bolt, 3/8 in. nom screw size (P/N MS35338-8)	EA	2	φ	φ	φ	φ	37	5		
			<u>D0117.02 OIL FILTERS</u>											
	P	O	4330-300-2002	FILTER, FLUID PRESSURE: lube oil (P/N FB30P2)	EA	1	*	*	*	*	38	6		
	P	O	2940-429-4091	FILTER ELEMENT, FLUID, PRESSURE (P/N C30P2)	EA	1	1	1	2	2	38	4		
9	P	O	2805-530-1042	GASKET: filter screw (P/N 10076)	EA	1	*	*	1	1	38	2		
	C	O	5330-291-4503	WASHER, NONMETALLIC: cover (P/N 10615)	EA	1	*	*	1	1	38	5		
	C	O	5330-375-2854	GASKET: lube oil filter mtg (P/N 35891023)	EA	1	*	*	1	1	38	10		
			<u>D0117.03 OIL COOLER</u>											
5	P	O	2815-375-2753	COOLER ELEMENT (P/N 25480004)	EA	1	*	*	*	*	39	2		
			Note: GASKET, P/N 35815431 is replaced by GASKET, P/N 35238080.											
	C	O	5330-611-7187	GASKET: cooler element to crankcase (P/N 35238080)	EA	1	*	*	1	1	39	1		
			Note: GASKET, P/N 35836551 is replaced by GASKET, P/N 35239261.											
	C	O	5330-611-7188	GASKET: oil cooler cover (P/N 35239261)	EA	1	*	*	1	1	39	3		
			<u>D0119 MANIFOLDS</u>											
			GASKET:											
	C	O	5330-375-2772	exhaust manifold (P/N 35353333)	EA	3	*	1	2	2	40	8		
	C	O	5330-375-2773	intake manifold (P/N 35808581)	EA	3	*	1	2	2	40	7		



1. Holder
2. Shim: nozzle pressure adjusting
3. Gasket: injector to cylinder head
4. Nozzle, Fuel Injector
5. Washer, Lock
6. Screw, Cap, Hexagon Head
7. Pump, Fuel Injection
8. Tube, Injection

INJECTOR PUMP AND NOZZLE
FIGURE 43

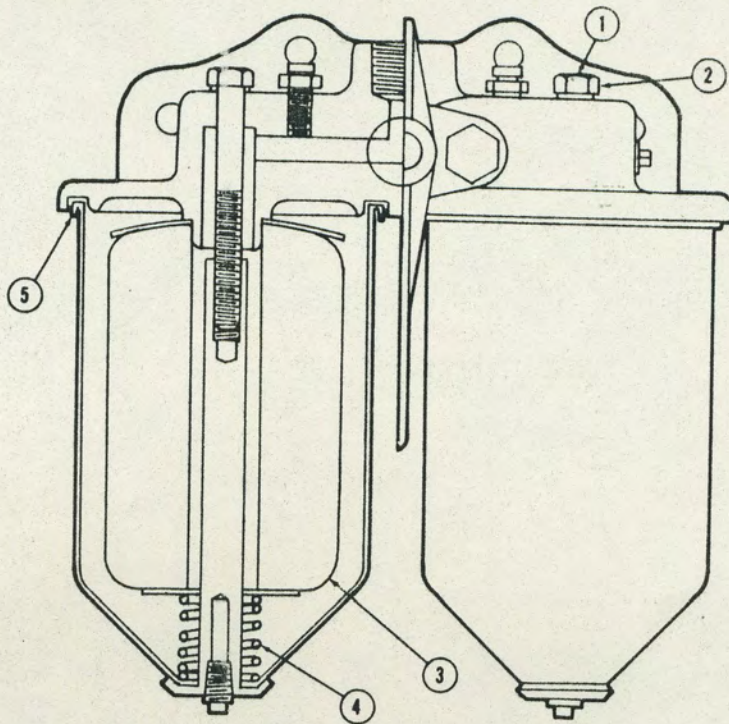


- 1. Spring: check valve
- 2. Ball, Bearing
- 3. Pump, Fuel
- 4. Seal, Plain
- 5. Gasket
- 6. Screw, Cap, Hexagon Head: cover
- 7. Washer, Lock: cover screw

FUEL TRANSFER PUMP
FIGURE 44

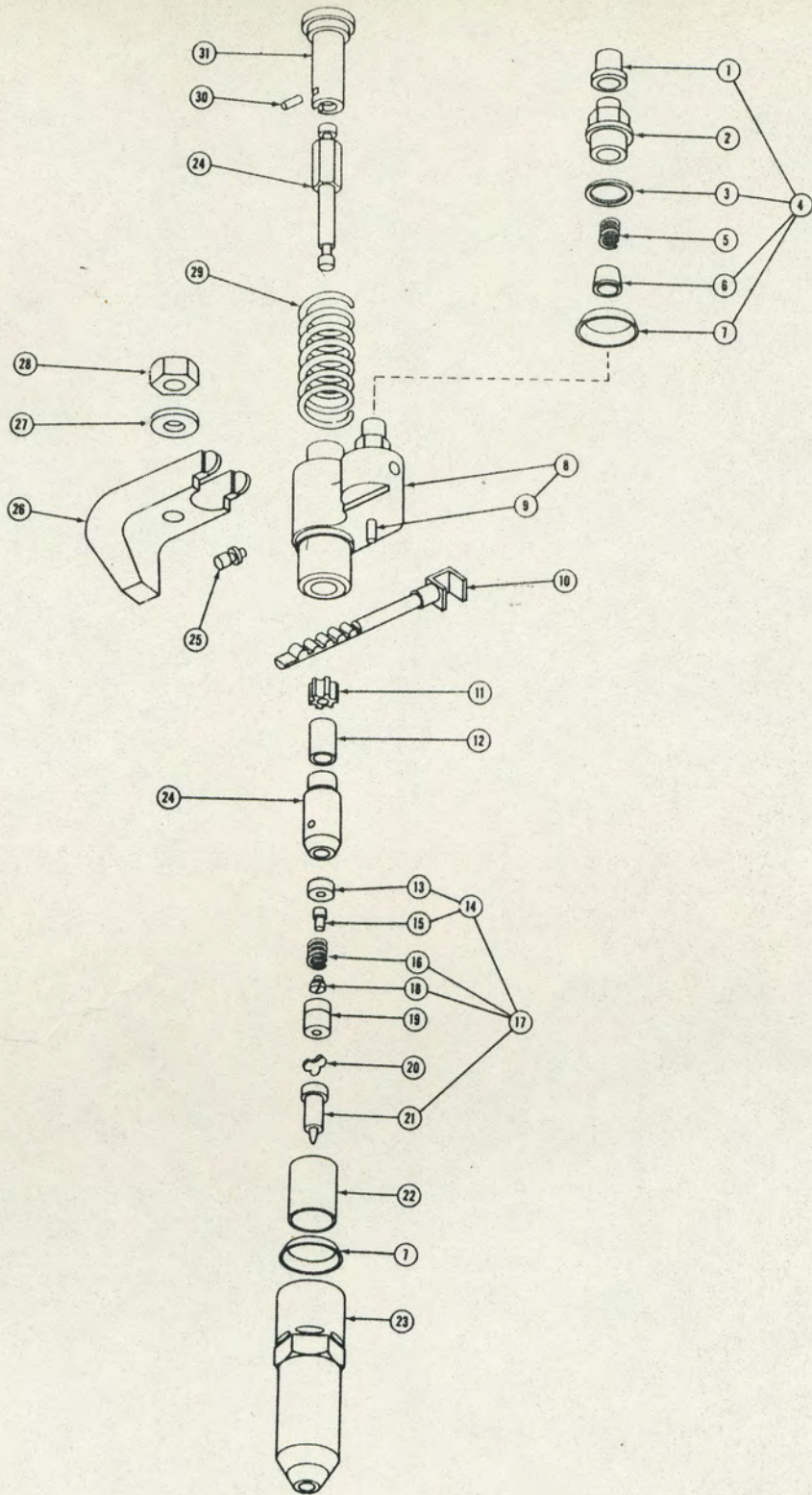
(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) IS DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS			
TECHNIC	SOURCE	MAINT	RECOV.						2ND ECHELON				FIG NO	ITEM NO		
									1-1	6-30	21-90	91-100			(A)	(B)
					<u>GROUP 03 FUEL SYSTEM</u> <u>A0301 FUEL INJECTOR</u>											
	P	O		5330-377-2825	GASKET: injector to cylinder head (P/N 3A2259)	EA		8	4	8	12	16	43	3		
5	P	O		2815-338-6779	NOZZLE, FUEL INJECTOR (P/N ADL162TP649)	EA		8	*	*	*	*	43	4		
	C	O		5310-012-3679	NUT, PLAIN, HEXAGON: injector clamp, 3/4 in.-10 NC (P/N 123679)	EA		8	φ	φ	φ	φ				
	C	O		2910-364-5865	SHIM: nozzle pressure adjusting, 0.008 in. thk (P/N WMS2157-EX)	EA		AR	*	*	*	*	43	2		
	C	O		2910-377-2828	TUBE, INJECTION: pump to injector (P/N 3A2526X)	EA		8	*	*	*	*	43	8		
	P	O		5310-416-8520	WASHER, FLAT: nozzle pressure adjusting 0.002 in. thk (P/N WMS2157-402X)	EA		AR	*	*	*	*	43	2		
	C	O		5310-205-9924	0.004 in. thk (P/N WMS2157-7X)	EA		AR	*	*	*	*	43	2		
	C	O		5310-205-9925	0.020 in. thk (P/N WMS2157-9X)	EA		AR	*	*	*	*	43	2		
	C	O		5310-205-9912	0.042 in. thk (P/N WMS2157-10X)	EA		AR	*	*	*	*	43	2		
					<u>A0303 FUEL PUMPS</u> <u>A0303.01 FUEL TRANSFER PUMP</u>											
9	P	O	T	2910-361-9489	PUMP, FUEL (P/N C9290P)	EA		1	*	*	*	*	44	3		
9	C	O		3110-100-6159	BALL, BEARING: check valve, 9/16 in. dia (P/N 9-16BALLGRADEL)	EA		1	φ	φ	φ	φ	44	2		
5	P	O		4320-362-6630	GASKET: pump to adaptor & cover (P/N C8193)	EA		3	*	1	2	2	44	5		
	C	O		5330-446-8586	SEAL, PLAIN: oil, fuel transfer pump (P/N 2C2478P)	EA		1	*	*	1	1	44	4		
	C	O		5340-377-3343	SPRING: check valve (P/N C9290P4)	EA		1	*	*	*	*	44	1		
	C	O		5305-206-1075	SCREW, CAP, HEXAGON HEAD: pump cover, 1/4 in.-20 NC, 2-1/4 in. lg	EA		8	φ	φ	φ	φ	44	6		
	C	O		2910-766-7890	VALVE, RELIEF: pump discharge, 20 psi (P/N 2C5460)	EA		1	*	*	*	*				
9	C	O		5310-010-3319	WASHER, LOCK: pump cover capscrews, 1/4 in. nom screw size (P/N M835338-6)	EA		8	*	*	*	*	44	7		
					<u>A0303.02 DIESEL INJECTION PUMP Atlas</u>											
	P	O		2910-705-9044	PUMP, FUEL INJECTION (P/N AFF1C170N2585A)	EA		8	*	*	*	*	43	7		
9	C	O		5305-010-0185	SCREW, CAP, HEXAGON HEAD: pump mtg, 5/8 in.-11 NC, 1-3/4 in. lg (P/N 100185)	EA		16	φ	φ	φ	φ	43	6		
9	C	O		5310-011-5553	WASHER, LOCK: pump mtg capscrew, 5/8 in. nom screw size (P/N M835333-12)	EA		16	φ	φ	φ	φ	43	5		
					<u>A0305 TURBOCHARGER</u>											
	C	O		5330-377-2815	GASKET: adaptor to turbocharger (P/N 2C4260)	EA		1	*	*	2	2	6	20		
	C	O		5330-377-2813	elbow to turbocharger (P/N 3A2435)	EA		1	*	*	2	2	6	28		
5	C	O		2815-377-2812	turbocharger to exhaust manifold (P/N 3A2572)	EA		1	*	*	2	2	6	16		

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDIBILITY	(6) QTY. INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TROUBLE	SOURCE	MAINT LEVEL	RECOV.						2ND ECHELON				FIG NO	ITEM NO	
									1-5	6-20	21-80	81-100			(A)
<u>A0305 TURBOCHARGER (CONTINUED)</u>															
9	C	O		5305-292-5731	SCREW, CAP, HEXAGON HEAD: adaptor to turbocharger, 3/8 in.-16 NC, 1-1/4 in. lg (P/N 109258)	EA		16	φ	φ	φ	φ	6	17	
9	C	O		5305-010-0185	bracket to turbocharger, 5/8 in.-11 NC, 1-3/4 in. lg	EA		4	φ	φ	φ	φ	6	25	
9	P	I	O	T	2990-674-0334	TURBOCHARGER ASSEMBLY (P/N BM6336)	EA		1	*	*	*	*	6	21
	P	O			5310-823-8803	WASHER, FLAT: bracket to turbocharger, 5/8 in. (P/N MS27183-21)	EA		4	φ	φ	φ	φ	6	23
	C	O			5310-809-5998	turbocharger to exhaust manifold, 1/2 in. (P/N MS27183-18)	EA		12	φ	φ	φ	φ	6	18
9	C	O			5310-011-5553	WASHER, LOCK: bracket to turbocharger, 5/8 in. nom screw size	EA		4	φ	φ	φ	φ	6	24
<u>A0305.01 AIR INTAKE MANIFOLD & PIPING</u>															
	C	O			5330-377-2814	GASKET: elbow to inlet manifold (P/N 3A2436)	EA		1	*	*	1	1	6	32
	P	O			5330-361-9438	elbow to manifold (P/N S2334)	EA		8	2	2	4	4	6	6
	C	O			5330-842-4022	filter silencer elbow (P/N 4A1190)	EA		2	*	*	2	2	6	22
	C	O			5330-286-7251	manifold to head, exhaust (P/N 3A2440)	EA		8	2	2	4	4	6	2
5	C	O			2815-377-2811	manifold to head, inlet (P/N 3A2441)	EA		8	2	2	4	4	6	1
	C	O			5305-010-0159	SCREW, CAP, HEXAGON HEAD: elbow to turbocharger, 1/2 in.-13 NC, 1-1/4 in. lg (P/N 100159)	EA		8	φ	φ	φ	φ	6	29
	C	O			5305-017-9885	SCREW, CAP, HEXAGON HEAD: mtg, 1/2 in.-13 NC, 1-1/2 in. lg (P/N MS35295-113) 8 EA air silencer to elbow 8 EA elbow to inlet manifold 32 EA elbow to manifold & head 4 EA exhaust manifold water outlet flange 4 EA turbocharger water outlet flange	EA		56	φ	φ	φ	φ	6	31
														6	3
														6	10
														6	13
	C	O			5310-809-5998	WASHER, FLAT: mtg screw, 17/32 in. id, 1-1/16 in. od, 3/32 in. thk (P/N MS27183-18) 8 EA air silencer to elbow 8 EA elbow to inlet manifold 32 EA elbow to manifold & head 8 EA elbow to turbocharger 4 EA exhaust manifold water outlet flange 4 EA turbocharger water outlet flange	EA		64	φ	φ	φ	φ	6	33
														6	5
														6	27
														6	8
														6	15
	C	O			5310-010-3323	WASHER, LOCK: mtg screw, 1/2 in. nom screw size (P/N MS35338-10) 8 EA air silencer to elbow 8 EA elbow to inlet manifold 32 EA elbow to manifold & head 8 EA elbow to turbocharger 4 EA exhaust manifold water outlet flange 4 EA turbocharger water outlet flange	EA		64	φ	φ	φ	φ	6	4
														6	26
														6	9
														6	14
<u>A0309 FUEL FILTERS</u>															
	C	O			5305-793-6818	CAPSCREW: head (P/N 1585)	EA		2	*	*	*	*	45	1



1. Capscrew
2. Gasket: capscrew
3. Filter Element, Fluid, Pressure
4. Spring, Helical, Compression
5. Washer, Nonmetallic

FUEL FILTER
FIGURE 45

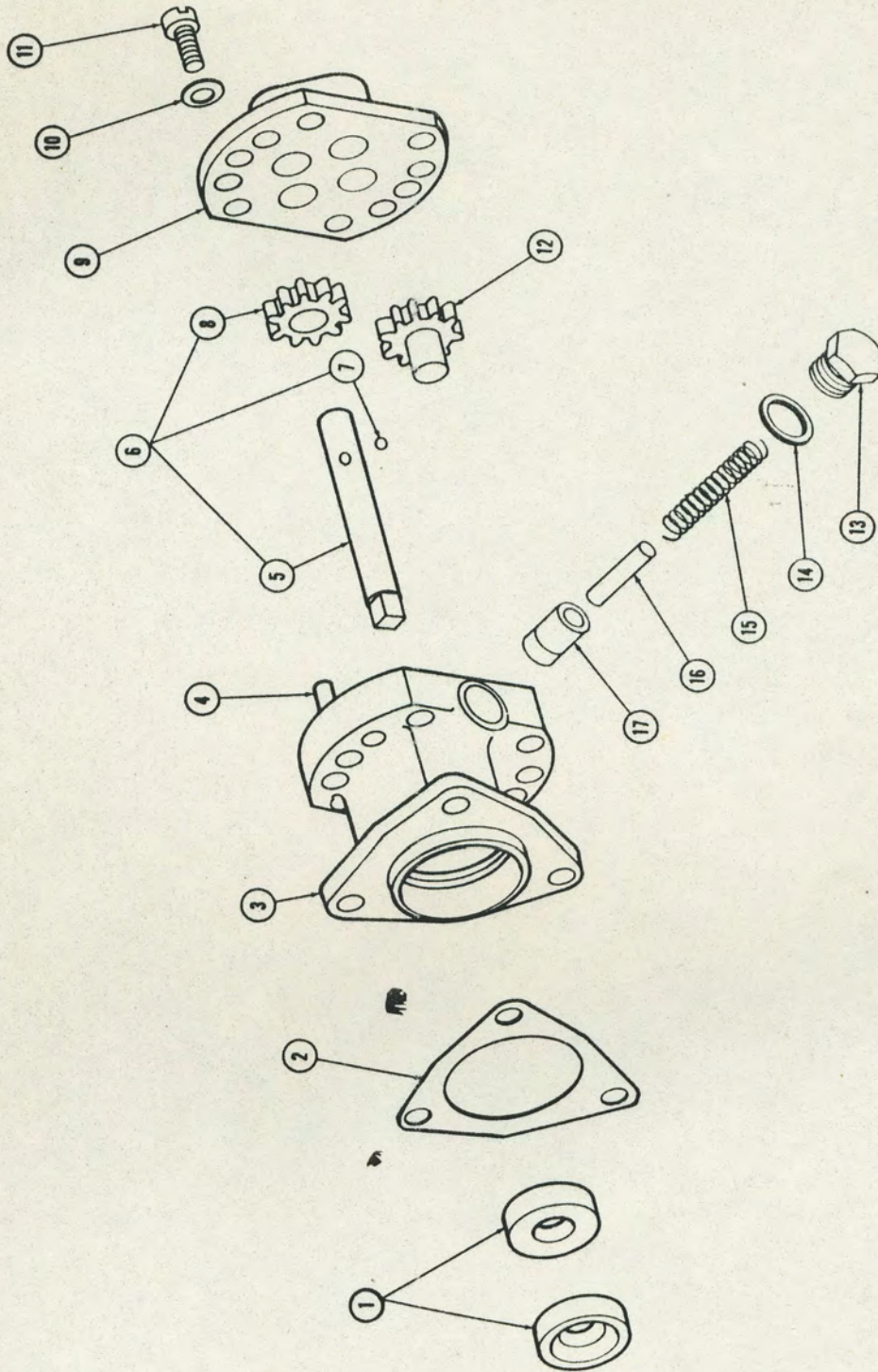


INJECTOR, FUEL
FIGURE 46 ①

1. Cap: shipping
2. Cap: filter
3. Gasket: filter cap
4. Repair Kit
5. Spring: filter
6. Filter, Injector, Element
7. Packing, Preformed
8. Body Assembly
9. Pin: locating
10. Rack
11. Gear
12. Retainer
13. Seat: injector valve
14. Injector Valve Assembly
15. Valve: check
16. Spring, Helical, Compression: injector valve
17. Parts Kit, Injector Tip
18. Stem, Valve
19. Cage
20. Valve: check
21. Tip
22. Deflector
23. Nut: nozzle
24. Plunger And Bushing
25. Pin: follower stop
26. Clamp
27. Washer: clamp
28. Nut: clamp
29. Spring: plunger
30. Pin: follower
31. Lifter: plunger

INJECTOR, FUEL
FIGURE 46 (2)

(1) SOURCE MAINT. & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) INC IN UNIT	(7) 15 DAYS AMT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TECHNIC SOURCE	MAINT LEVEL						RECOV. CODE	2ND ECHELON				FIG NO	ITEM NO
								1-5	6-20	21-50	51-100		
			<u>AO309 FUEL FILTERS (CONTINUED)</u>										
C	O	4330-096-2677	FILTER ELEMENT, FLUID, PRESSURE (P/N 1589)	EA		2	2	2	4	4	45	3	
C	O	5330-703-8231	GASKET: bolt head, copper (P/N 1434)	EA		2	*	*	2	2	45	2	
C	O	5330-672-6766	PACKING, PREFORMED: valve stem (P/N 1723)	EA		1	*	*	1	1	45	#	
C	O	5340-315-0199	SPRING, HELICAL, COMPRESSION: element, w/washer (P/N 3665)	EA		2	*	*	*	*	45	4	
C	O	5330-599-7383	WASHER, NONMETALLIC: body shell to head (P/N 1431)	EA		2	*	*	*	*	45	5	
			<u>BO301 FUEL INJECTOR</u>										
P	O	2910-218-6839	INJECTOR, FUEL: type HV6 (P/N 5228310)	EA		4	*	*	*	*	46		
C	O	2910-698-2934	PARTS KIT, INJECTOR TIP: spray (P/N 5228301) c/o 1 EA INJECTOR VALVE ASSEMBLY (P/N 5228316) 1 EA SEAT, injector valve (P/N 5228106) 1 EA SPRING, HELICAL, COMPRESSION, injector valve (P/N 5227210) 1 EA STEM, VALVE, check (P/N 5227318) 1 EA TIP, spray (P/N 5228296)	EA		*	1	2	2		46	17	
											46	14	
											46	13	
											46	16	
											46	18	
											46	21	
P	O	2910-588-0204	REPAIR KIT: injector (P/N 5193221) c/o 2 EA CAP, shipping (P/N 5226414) 2 EA FILTER, INJECTOR, ELEMENT (P/N 5228013) 2 EA GASKET, filter cap (P/N 5226186) 1 EA PACKING, PREFORMED, injector seal (P/N 5226564)	EA		*	1	2	2		46	4	
											46	1	
											46	6	
											46	3	
											46	7	
			<u>BO303 FUEL PUMPS</u> <u>BO303.01 FUEL TRANSFER PUMP</u>										
C	O	5306-613-9396	BOLT, ASSEMBLED WASHER: mtg (P/N 5118219)	EA		6	*	*	*	*			
			GASKET:										
P	O	2815-354-1164	pump drive adaptor (P/N 5152122)	EA		2	*	*	2	2			
C	O	5330-212-6290	pump mtg (P/N 5150193)	EA		2	*	*	2	2	47	2	
P	O	2910-594-1977	LINE, FUEL: pump to filter (P/N 5184308)	EA		2	*	*	*	*			
P	O	2910-629-6387	PARTS KIT, ENGINE FUEL PUMP (P/N 5195078) c/o 1 EA BALL, BEARING, fuel pump drive gear (P/N 145625) 1 EA GASKET, fuel pump to engine (P/N 5150193) 1 EA GEAR, SPUR, drive (P/N 5174975) 1 EA GEARSHAFT, SPUR, driven (P/N 5181747) 1 EA PIN, STRAIGHT, HEADLESS, valve (P/N 103709) 2 EA SEAL, PLAIN ENCASED, drive shaft (P/N 5230007) 1 EA SHAFT, PUMP DRIVE (P/N 5178700) 1 EA SPRING, HELICAL, COMPRESSION, valve (P/N 5184530) 1 EA VALVE, RELIEF (P/N 5174973) 1 EA WASHER, FLAT, valve plug (P/N 5161003)	EA		*	1	2	2			47	7
											47	2	
											47	8	
											47	12	
											47	16	
											47	1	
											47	5	
											47	15	
											47	17	
											47	14	
P	O	2910-343-3402	PUMP, ROTARY, POWER DRIVEN (P/N 5184531)	EA		2	*	*	*	*	47		

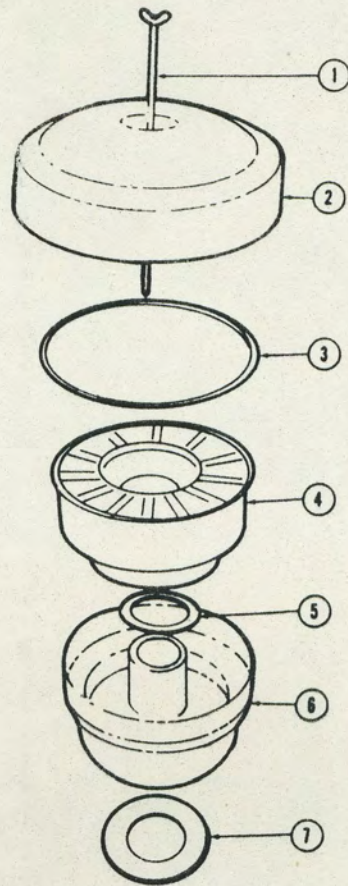


PUMP, ROTARY, POWER DRIVEN: fuel
FIGURE 47

- 1. Seal, Plain Encased
- 2. Gasket: pump mtg
- 3. Body
- 4. Pin: body
- 5. Shaft, Pump Drive
- 6. Shaft Assembly

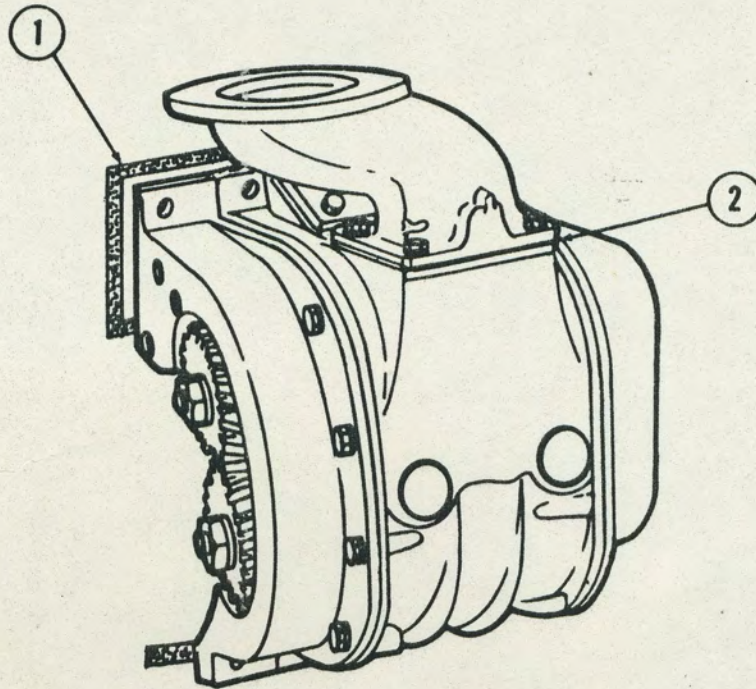
- 7. Ball, Bearing
- 8. Gear, Spur: drive
- 9. Cover
- 10. Lockwasher
- 11. Screw
- 12. Gearshaft, Spur: driven

- 13. Plug
- 14. Washer, Flat: valve plug
- 15. Spring, Helical, Compression
- 16. Pin, Straight, Headless: valve
- 17. Valve, Relief



1. Bolt
2. Cover
3. Cork Strip
4. Element, Air Cleaner Intake
5. Washer, Nonmetallic: element
6. Body
7. Gasket: bottom

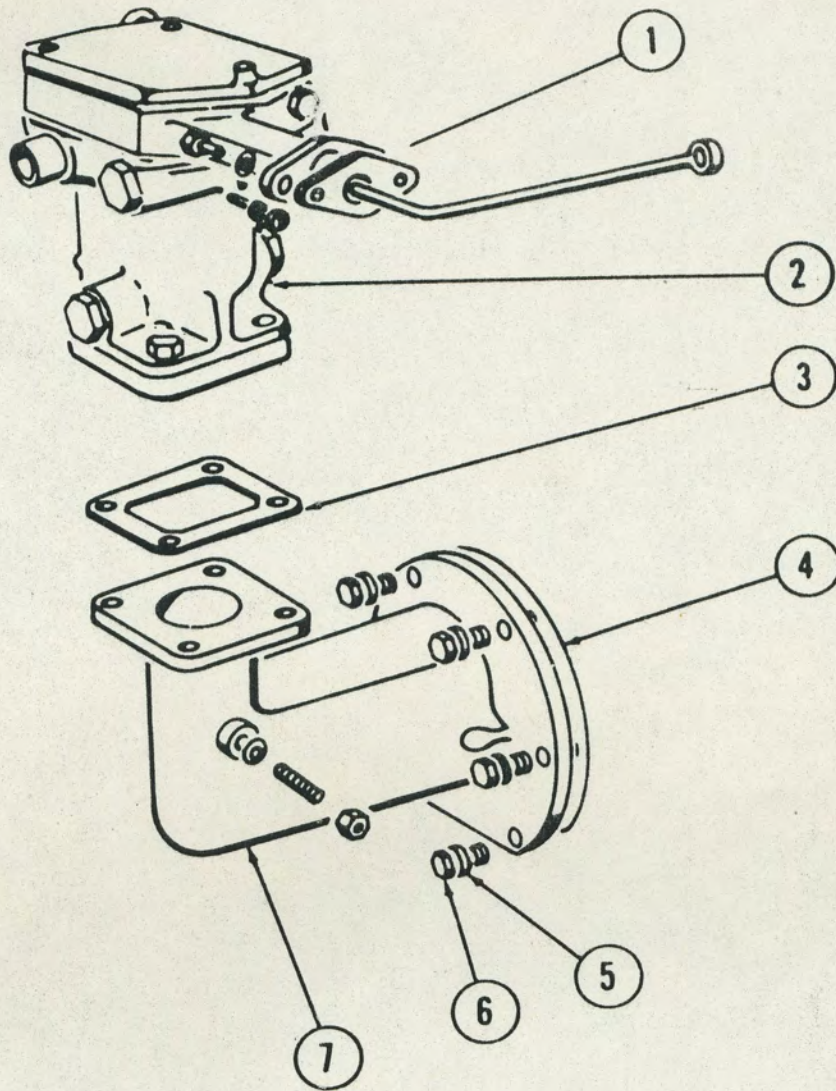
AIR CLEANER, INTAKE
FIGURE 48



1. Gasket: blower to block
2. Gasket: air inlet housing to blower housing

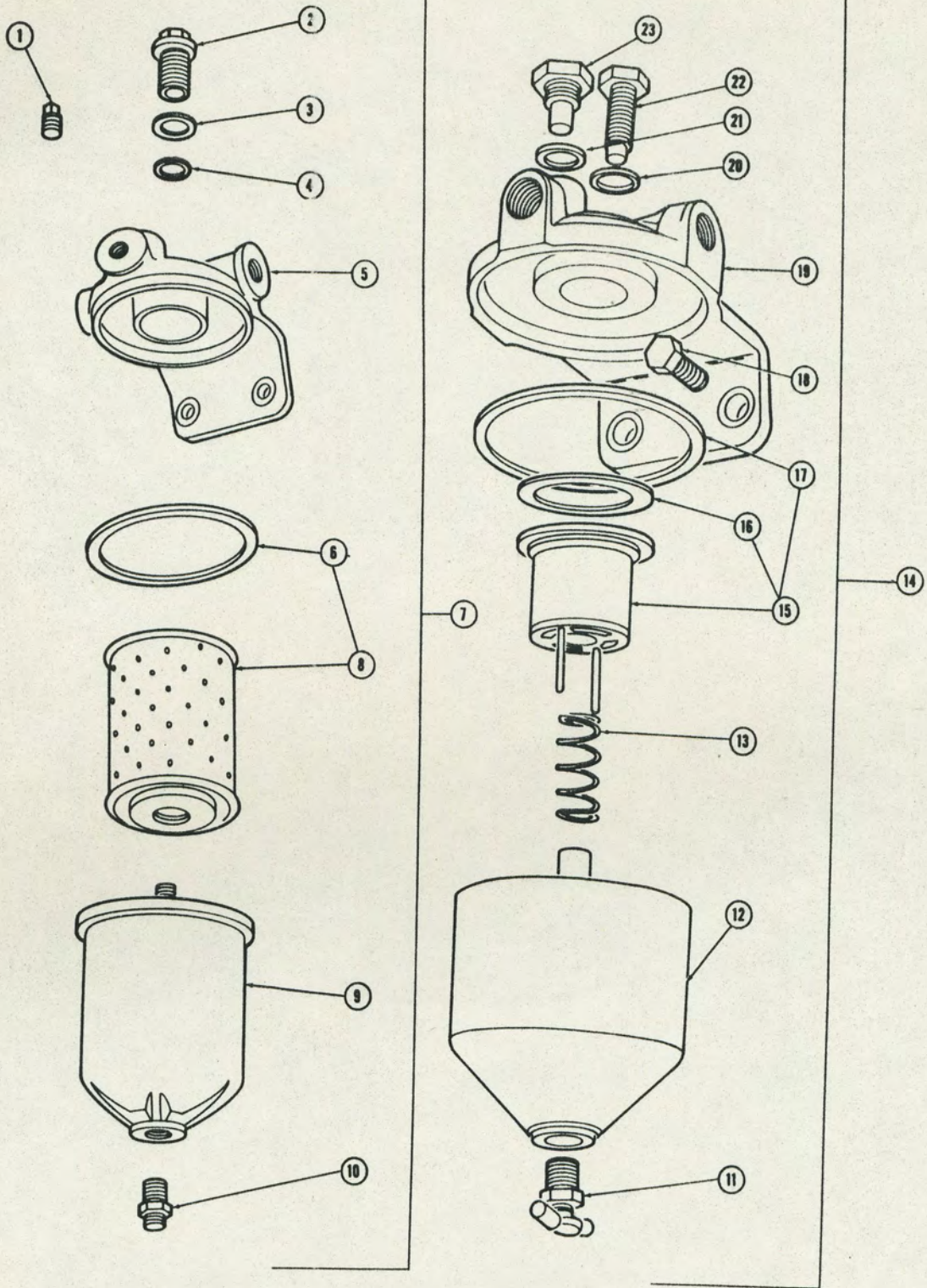
BLOWER ASSEMBLY, ENGINE
FIGURE 49

(1) SOURCE MAINT & RECOY CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS			
TRUCK SOURCE	MAINT LEVEL						RECOY.	2ND ECHELON				FIG NO (A)	ITEM NO (B)	
								1-5	6-20	21-50	51-100			
			<u>BO304 AIR CLEANER</u>											
C	O	2940-142-0129	AIR CLEANER, INTAKE (P/N 1529617)	EA		2	*	*	*	*	48			
C	O	5330-364-3358	CORK STRIP: cover (P/N 1544160)	EA		2	*	*	2	2	48	3		
C	O	2940-364-3356	ELEMENT, AIR CLEANER INTAKE (P/N 1529641)	EA		2	*	*	2	2	48	4		
C	O	2940-364-3357	GASKET: bottom (P/N 1528828)	EA		2	*	*	2	2	48	7		
C	O	5330-364-3359	WASHER, NONMETALLIC: screen (P/N 1526269)	EA		2	*	*	*	*	48	5		
			<u>BO305 BLOWER</u>											
5	P	O	T	2815-354-1229	BLOWER ASSEMBLY, ENGINE (P/N 5158159)	EA		2	*	*	*	*	49	
5	P	O		2815-527-7738	GASKET: air inlet housing to blower housing (P/N 5168203)	EA		2	*	*	2	2	49	2
5	P	O		2815-090-5602	GASKET SET: blower instl (P/N 5192320) c/o 1 EA GASKET, blower housing to block (P/N 5154133) 1 EA GASKET, crankshaft front cover (P/N 5156192) 1 EA GASKET, governor housing to blower (P/N 5152465) 1 EA GASKET, governor housing to cylinder head (P/N 5152464) 1 EA GASKET, governor shaft housing cover (P/N 5150889)	EA			*	*	1	1	49	1
C	O	5305-018-6619	SCREW, CAP, HEXAGON HEAD: mtg 3/8 in.-16 NC, 1-1/8 in. lg (P/N 186619)	EA		8	φ	φ	φ	φ				
C	O	5305-018-6612	3/8 in.-16 NC, 1-3/8 in. lg (P/N 186612)	EA		16	φ	φ	φ	φ				
C	O	5310-010-3341	WASHER, FLAT: mtg screw, 13/32 in. id, 13/16 in. od, 0.065 in. thk (P/N 103341)	EA		24	φ	φ	φ	φ				
			<u>BO308 ENGINE SPEED GOVERNOR</u>											
5	P	O		2815-354-1174	GASKET: drive housing to blower (P/N 5152465)	EA		2	*	*	2	2	50	4
9	P	O		2990-364-3488	governor base to drive housing (P/N 3224773)	EA		2	*	*	2	2	50	3
9	C	O		5330-527-8493	governor to cylinder head (P/N 5152464)	EA		2	*	*	2	2	50	1
9	P	O	T	2990-314-6345	GOVERNOR, DIESEL ENGINE: hydraulic (P/N 5178939)	EA		2	*	*	*	*	50	2
			<u>BO309 FUEL FILTERS</u>											
9	P	O		2910-455-8085	FILTER, FLUID, PRESSURE: primary (P/N 5571218) 2 EA	EA		2	2	2	4	4	51	15
P	O			2910-290-1425	FILTER ELEMENT, FLUID, PRESSURE (P/N 1595654)	EA		2	*	1	2	2	51	16
P	O			5330-297-6075	GASKET: element to cover (P/N 1503542)	EA		2	*	*	2	2	51	17
P	O			2910-287-5473	WASHER, NONMETALLIC: shell to cover (P/N 1503541)	EA		2	*	*	2	2	51	17
P	O			2910-287-5473	FILTER, FLUID, PRESSURE: secondary (P/N 5573949) 2 EA	EA		2	2	2	4	4	51	8
C	O			2940-846-9841	FILTER ELEMENT, FLUID, PRESSURE (P/N 5573263)	EA		2	*	*	2	2	51	6
C	O			5330-298-3950	GASKET: cover to shell (P/N 5574161)	EA		2	*	*	2	2	51	6
C	O			5330-298-3950	GASKET: cover screw (P/N 1503536)	EA		2	*	*	2	2	51	3



1. Gasket: governor to cylinder head
2. Governor, Diesel Engine
3. Gasket: governor base to drive housing
4. Gasket: drive housing to blower
5. Lockwasher: drive housing to blower screw
6. Screw: drive housing to blower
7. Housing: drive

GOVERNOR AND DRIVE HOUSING
FIGURE 50



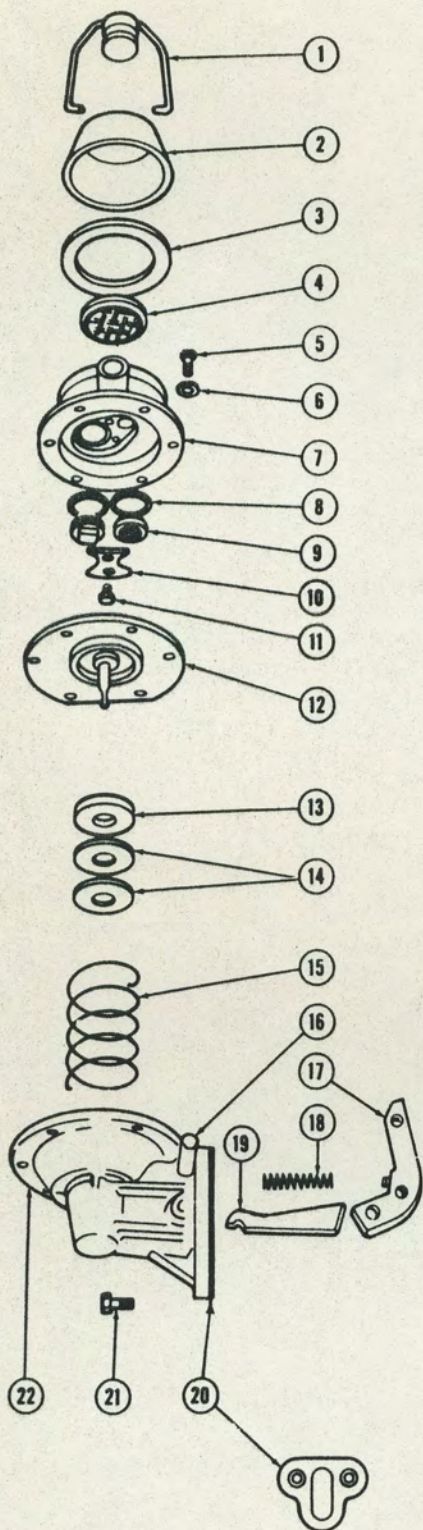
FUEL FILTERS
FIGURE 51

1

1. Plug: secondary filter cover
2. Screw: secondary filter cover
3. Gasket: secondary filter cover screw
4. Washer: secondary filter cover screw
5. Cover: secondary filter
6. Gasket: cover to shell
7. Filter: secondary
8. Filter Element, Fluid, Pressure: secondary
9. Shell: secondary filter
10. Drain Cock: secondary filter shell
11. Drain Cock: primary filter shell
12. Shell: primary filter
13. Spring
14. Filter: primary
15. Filter Element, Fluid, Pressure: primary
16. Gasket: element to cover
17. Washer, Nonmetallic
18. Screw: primary filter mtg
19. Cover: primary filter
20. Washer: primary filter cover screw
21. Washer: primary filter cover plug
22. Screw: primary filter cover
23. Plug: primary filter cover

FUEL FILTERS
 FIGURE 51

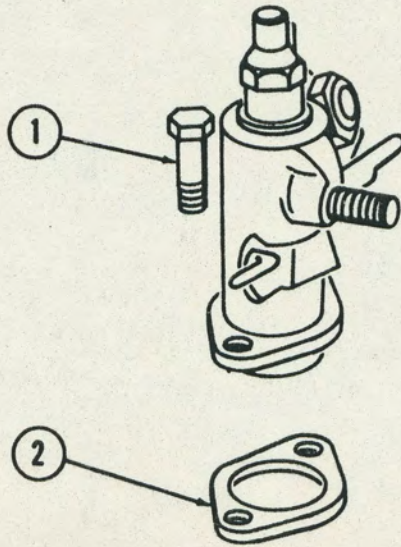
2



1. Bail
2. Bowl
3. Gasket: bowl
4. Screen
5. Screw: cover
6. Lockwasher: cover screw
7. Cover
8. Washer, Nonmetallic: valve cage
9. Valve, Cage Assembly
10. Retainer
11. Screw: retainer
12. Diaphragm
13. Seal: oil
14. Washer, Flat: oil seal
15. Spring: oil seal & diaphragm
16. Pin, Straight, Headless
17. Arm
18. Spring, Spiral: rocker
19. Link
20. Gasket: pump mtg
21. Bolt, Machine: pump mtg
22. Body

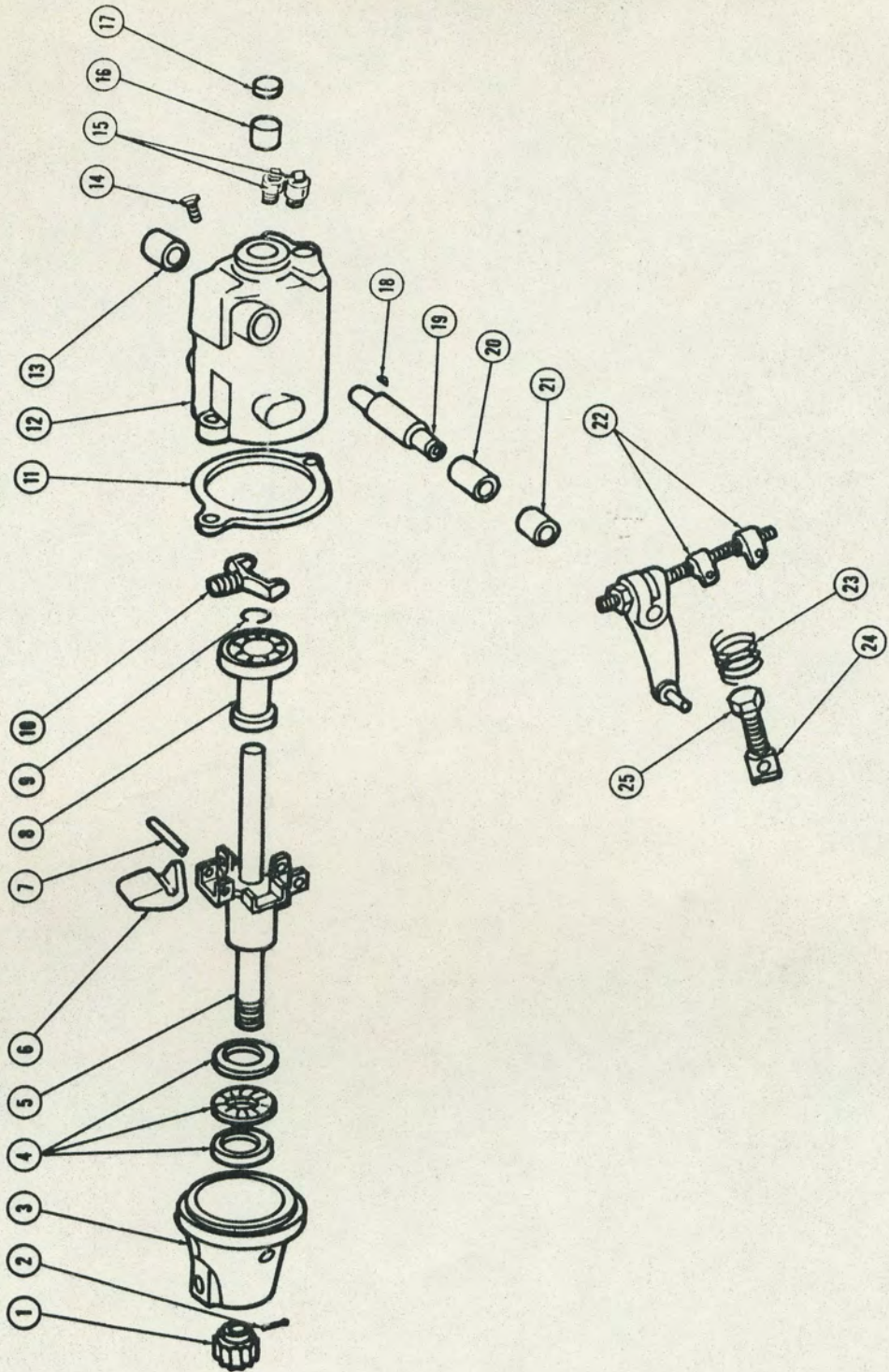
PUMP, FUEL TRANSFER
FIGURE 52

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS		
TROUBLE	SOURCE	MAINT LEVEL	RECOV.						2ND ECHELON				FIG NO	ITEM NO	
									1-5	6-20	21-50	51-100			(A)
<u>BO309 FUEL FILTERS (CONTINUED)</u>															
9	C	O		2910-606-2608	LINE, FUEL: filter to fuel manifold (P/N 5168205)	EA		2	*	*	*	*			
<u>CO301 FUEL INJECTOR</u>															
	C	O		5330-375-2856	GASKET: injector nozzle (P/N 35367661)	EA		4	*	2	2	2	34	10	
5	P	O		2815-375-2705	HOLDER ASSEMBLY: injector nozzle (P/N AKB945S2417A)	EA		4	*	*	*	*	34	21	
	C	O		5330-171-8104	GASKET: fuel inlet stud (P/N 7331045)	EA		4	*	2	2	2	34	14	
	P	O		2910-598-6760	SPRING, HELICAL, COMPRESSION (P/N WSP204441X)	EA		4	*	1	1	2	34	19	
5	C	O		2815-375-2706	NOZZLE: fuel injector (P/N 50890003)	EA		4	*	*	*	*	34	12	
	P	O		5310-167-1300	NUT, PLAIN, HEXAGON: fuel injector mtg, 3/8 in.-24 NF (P/N AN316-6R)	EA		8	φ	φ	φ	φ	34	15	
TUBE:															
5	P	O		2815-375-2707	horizontal pump to nozzle, no. 1 (P/N 82582201)	EA		2	*	*	*	*			
5	P	O		2815-375-2708	vertical pump to nozzle, no. 2 (P/N 82582001)	EA		2	*	*	*	*			
<u>CO303 FUEL PUMPS</u>															
<u>CO303.01 FUEL TRANSFER PUMP</u>															
9	P	O		5306-550-1209	BOLT, MACHINE: transfer pump mtg, 5/16 in.-18 NC, 3/4 in. lg (P/N MS35295-32)	EA		4	φ	φ	φ	φ	52	21	
	C	O		5330-333-2129	GASKET: fuel transfer pump mtg (P/N 35808301)	EA		2	*	*	2	2	52	20	
	P	O		2910-375-2861	PUMP FUEL TRANSFER (P/N 1539649)	EA		2	*	*	*	*	52		
	C	O		2910-691-1139	REPAIR KIT, FUEL PUMP (P/N 1538484) c/o 1 EA DIAPHRAGM (P/N 1522199) 1 EA GASKET, bowl (P/N 5593404) 1 EA GASKET, mtg (P/N 837329) 1 EA GASKET, mtg (P/N 838263) 1 EA LINK (P/N 1521708) 1 EA PIN, STRAIGHT, HEADLESS, rocker arm (P/N 1521578) 1 EA SCREEN, FILTER ASSEMBLY (P/N 1523099) 1 EA SEAL, OIL (P/N 1521880) 1 EA SPRING, oil seal (P/N 1522027) 1 EA SPRING, HELICAL, COMPRESSION, diaphragm (P/N 1522264) 1 EA SPRING, SPIRAL, rocker arm (P/N 1522046) 2 EA VALVE, CAGE ASSEMBLY (P/N 5593866) 2 EA WASHER, FLAT, oil seal (P/N 1522002) 1 EA WASHER, FLAT, rocker arm pin (P/N 1521288) 1 EA WASHER, NONMETALLIC, valve cage (P/N 1521953)	EA		*	*	*	2			52	12
													52	3	
													52	19	
													52	16	
													52	4	
													52	13	
													52	15	
													52	15	
													52	18	
													52	9	
													52	14	
													52	8	
<u>CO303.02 DIESEL INJECTION PUMP</u>															
	C	O		5306-283-0416	BOLT, MACHINE: fuel pump mtg, 5/16 in.-18 NC, 1 in. lg (P/N 8010028)	EA		8	φ	φ	φ	φ	53	1	
	C	O		5330-375-2840	GASKET: fuel pump to tappet guide (P/N 35800741)	EA		4	*	*	2	2	53	2	
5	P	O		2815-375-2703	PUMP, FUEL METERING (P/N APF1A80N2400A)	EA		4	*	*	*	*	53		



1. Bolt, Machine: mtg
2. Gasket: pump to tappet guide

PUMP, FUEL METERING
FIGURE 53



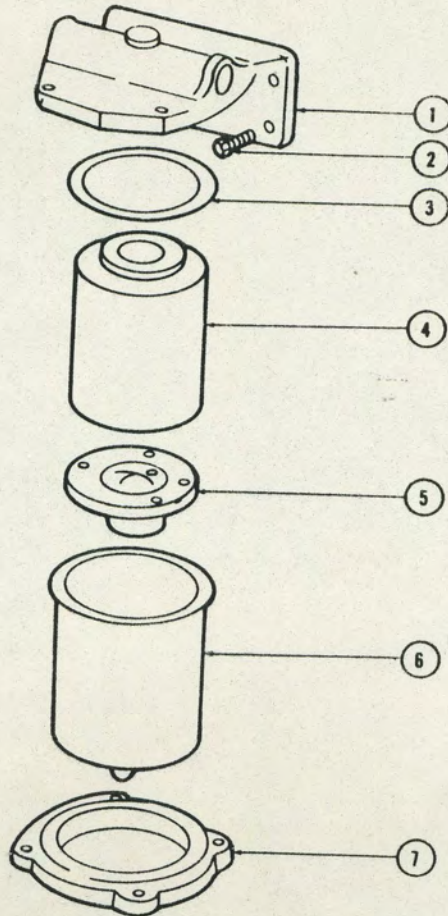
GOVERNOR, ENGINE ASSEMBLY
FIGURE 54

1

1. Gear: drive
2. Pin: drive gear
3. Flange
4. Bearing, Sleeve: thrust flange
5. Shaft: incl spider
6. Weight
7. Pin: weight
8. Sleeve: thrust
9. Ring
10. Yoke: swivel
11. Gasket: governor to drive housing
12. Body
13. Bearing: rocker shaft
14. Screw, Cap, Hexagon Head: mtg
15. Plug, Pipe
16. Bearing, Sleeve: body
17. Plug: expansion
18. Key: rocker shaft
19. Shaft: rocker
20. Bearing: rocker shaft, lever end
21. Seal
22. Lever: throttle
23. Spring
24. Screw: adjusting
25. Nut: adjusting screw

GOVERNOR, ENGINE ASSEMBLY
FIGURE 54

2



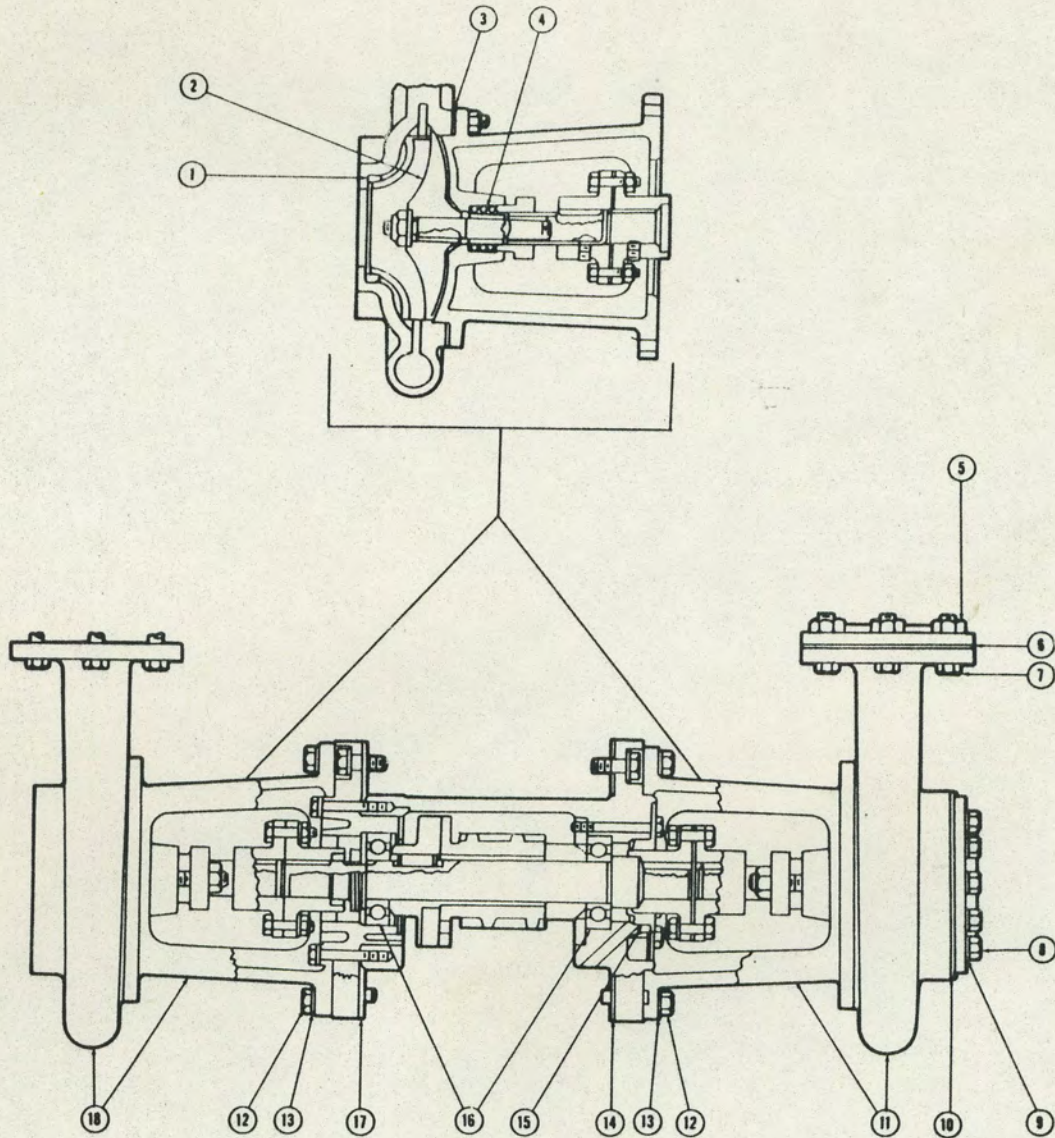
- 1. Head
- 2. Screw, Cap, Hexagon
- 3. Gasket
- 4. Element
- 5. Retainer
- 6. Body
- 7. Ring

FILTER, FUEL
FIGURE 55

(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY				(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF HOURS FEELS SUPPORTED				(8) ILLUS- TRATIONS	
TRK/BVC	SOURCE	MAINT LEVEL					RECOV.	INC	IN	2ND ECHOLON				FIG NO	ITEM NO	
										1-5	6-20	21-50	51-100			(A)
				<u>CO308 ENGINE SPEED GOVERNOR</u>												
	P	O	5330-333-2130	GASKET: governor to drive housing (P/N 35807461)	EA	2	*	*	2	2			54	11		
	P	O	2815-375-2867	GOVERNOR ENGINE ASSEMBLY (P/N GCL1422)	EA	2	*	*	*	*			54			
	C	O	5305-577-5462	SCREW, CAP, HEXAGON HEAD: governor mtg, 3/8 in.-16 NC, 1 in. lg (P/N MS35295-60)	EA	4	φ	φ	φ	φ			54	14		
				<u>CO309 FUEL FILTER</u>												
				Note: FILTER, FUEL, P/N FHM1124PB2 is replaced by FILTER, FUEL, P/N F1124APB.												
	P	O	2910-575-0630	FILTER, FUEL (P/N F1124APB)	EA	2	*	*	*	*			55			
	P	O	2910-375-2710	ELEMENT (P/N CL124APB2)	EA	2	2	2	4	4			55	4		
	P	O	5330-641-0202	GASKET: cover (P/N 101489)	EA	2	*	*	2	2			55	3		
	C	O	5305-018-6630	SCREW, CAP, HEXAGON HEAD: filter mtg, 1/4 in.-20 NC, 5/8 in. lg (P/N 186630)	EA	8	φ	φ	φ	φ			55	2		
				<u>DO301 FUEL INJECTOR</u>												
	C	O	5330-375-2856	GASKET: injector nozzle (P/N 353C7661)	EA	3	*	1	2	2			34	10		
	P	O	2815-375-2705	HOLDER ASSEMBLY: injector nozzle (P/N AK995S2417A)	EA	3	*	*	*	*			34	21		
	C	O	5330-171-8104	GASKET: fuel inlet stud (P/N 7331045)	EA	3	*	1	2	2			34	14		
	C	O	2815-375-2706	NOZZLE: fuel injector (P/N 50890003)	EA	3	*	*	*	*			34	12		
	P	O	5310-167-1300	NUT, PLAIN, HEXAGON: fuel injector mtg, 3/8 in.-24 NF (P/N AN316-6R)	EA	3	φ	φ	φ	φ			34	15		
	C	O	2910-091-9844	TUBE, INJECTOR PUMP: pump to nozzle fuel line (P/N 82582301)	EA	3	*	*	*	*						
				<u>DO303 FUEL PUMPS</u>												
				<u>DO303.01 FUEL TRANSFER PUMP</u>												
	P	O	5306-550-1209	BOLT, MACHINE: transfer pump mtg, 5/16 in.-18 NC, 3/4 in. lg (P/N MS35295-52)	EA	2	φ	φ	φ	φ			52	21		
	C	O	5330-333-2129	GASKET: fuel transfer pump mtg (P/N 35808301)	EA	1	*	*	1	1			52	20		
	F	O	2910-375-2861	PUMP, FUEL TRANSFER (P/N 1539649)	EA	1	*	*	*	*			52			
	C	O	2910-691-1139	REPAIR KIT, FUEL PUMP: transfer (P/N 1538484) c/o 1 EA DIAPHRAGM (P/N 1522199) 1 EA GASKET, bowl (P/N 5593404) 1 EA GASKET, mtg (P/N 837329) 1 EA GASKET, mtg (P/N 839263) 1 EA LINK (P/N 1521708) 1 EA PIN, STRAIGHT, HEADLESS, rocker arm (P/N 1521578) 1 EA SCREEN, FILTER ASSEMBLY (P/N 1523099) 1 EA SEAL, OIL (P/N 1521980) 1 EA SPRING, oil seal (P/N 1522027)	EA		*	*	*	1			52	12		
													52	3		
													52	19		
													52	16		
													52	4		
													52	13		
													52	15		

(Continued)

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MANT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLIS- TRATIONS	
TOL/VC	SOURCE	MAINT LEVEL	RECOV.						2ND ECHELON				FIG NO (A)	ITEM NO (B)
									1-5	6-20	21-50	51-100		
<u>DO303.01 FUEL TRANSFER PUMP (CONTINUED)</u>														
REPAIR KIT, FUEL PUMP: - Continued														
c/o														
1 EA SPRING, HELICAL, COMPRESSION, diaphragm (P/N 1522264)														
1 EA SPRING, SPIRAL, rocker arm (P/N 1522046)														
2 EA VALVE, CAGE ASSEMBLY (P/N 5593866)														
2 EA WASHER, FLAT, oil seal (P/N 1522002)														
1 EA WASHER, FLAT, rocker arm pin (P/N 1521288)														
1 EA WASHER, NONMETALLIC, valve cage (P/N 1521953)														
<u>DO303.02 DIESEL INJECTION PUMP</u>														
C	O			5306-283-0416	BOLT, MACHINE: fuel pump mtg, 5/16 in.-18 NC, 1 in. lg (P/N 8010028)	EA		6	φ	φ	φ	φ	53	1
C	O			5330-375-2840	GASKET: fuel pump to tappet guide (P/N 35800741)	EA		2	*	*	1	1	53	2
5	P	O		2815-375-2703	PUMP, FUEL METERING (P/N APF1A80N2400A)	EA		3	*	*	*	*	53	
<u>DO308 ENGINE SPEED GOVERNOR</u>														
P	O			5330-333-2130	GASKET: governor to drive housing (P/N 35807461)	EA		1	*	*	1	1	54	11
5	P	O		2815-337-9300	GOVERNOR, DIESEL ENGINE: constant speed (P/N GC975)	EA		1	*	*	*	*	54	
9	C	O		5305-577-5462	SCREW, CAP, HEXAGON HEAD: governor mtg, 3/8 in.-16 NC, 1 in. lg (P/N ME35295-60)	EA		2	φ	φ	φ	φ	54	14
<u>DO309 FUEL FILTERS</u>														
Note: FILTER, FUEL, P/N FHM1124PB2 is replaced by FILTER, FUEL, P/N F1124APB.														
9	P	O		2910-575-0630	FILTER, FUEL (P/N F1124APB)	EA		1	*	*	*	*	55	
P	O			2910-375-2710	ELEMENT: fuel filter (P/N C1124APB2)	EA		1	1	1	2	2	55	4
P	O			5330-641-0202	GASKET: cover (P/N 101489)	EA		1	*	*	1	1	55	3
C	O			5305-018-6630	SCREW, CAP, HEXAGON HEAD: filter mtg, 1/4 in.-20 NC, 5/8 in. lg (P/N 186630)	EA		4	φ	φ	φ	φ	55	2
<u>GROUP O4 EXHAUST SYSTEM</u>														
<u>BO401 MUFFLER</u>														
9	P	O		2990-141-9210	MUFFLER, EXHAUST (P/N 5120949)	EA		2	*	*	*	*		
9	P	O		2990-623-5928	TUBE, FLEXIBLE, MUFFLER (P/N 5168927)	EA		2	*	*	*	*		
<u>CO401 MUFFLER</u>														
9	P	O		2990-766-7888	MUFFLER, EXHAUST (P/N 6000-105)	EA		2	*	*	*	*	40	9
<u>IO401 MUFFLER</u>														
9	P	O		2990-766-7888	MUFFLER, EXHAUST (P/N 6000-105)	EA		1	*	*	*	*	40	9



PUMP, CENTRIFUGAL: fresh & raw water

FIGURE 56

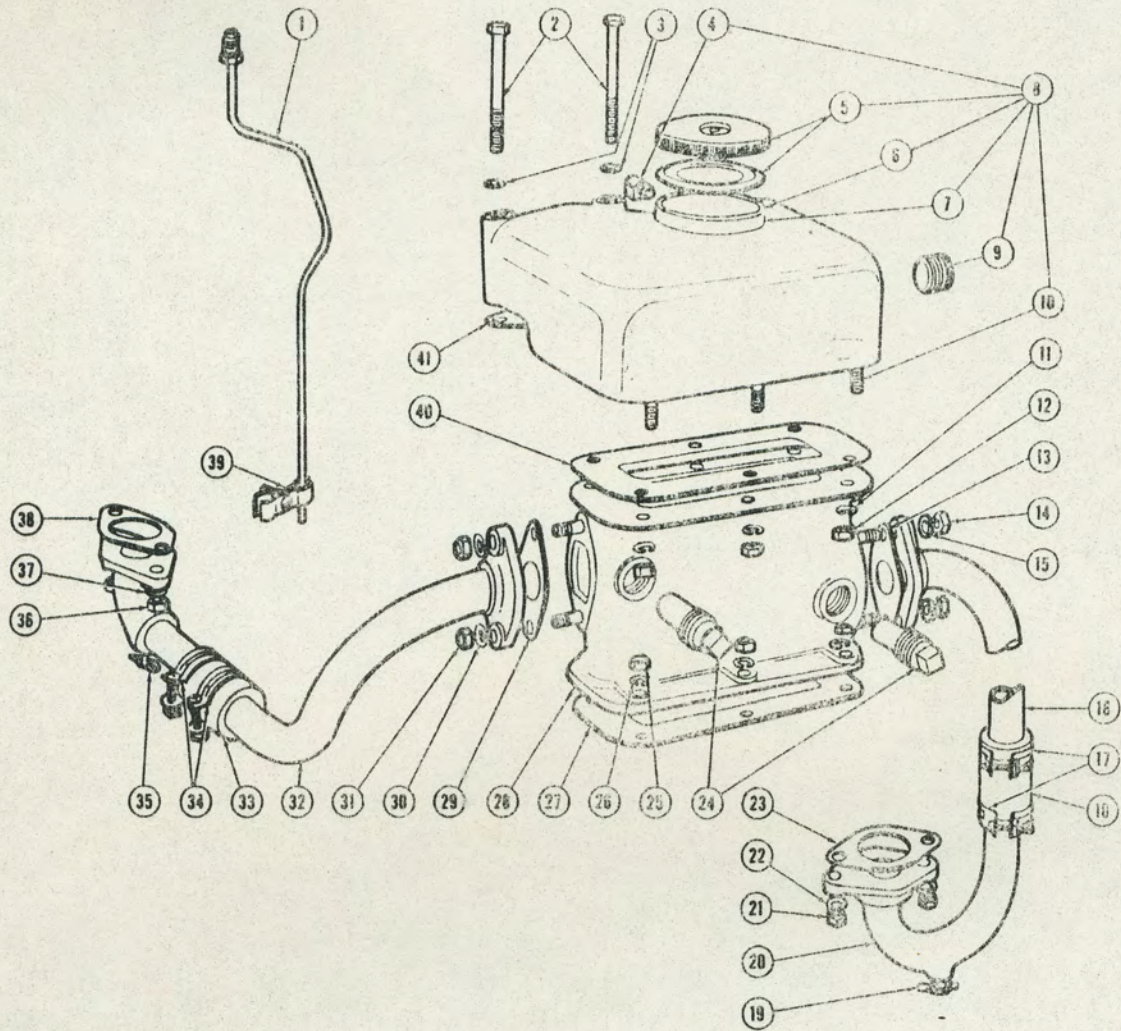


1. Ring, Wearing, Centrifugal Pump
2. Impeller, Pump, Centrifugal
3. Gasket: body to frame
4. Rope, Asbestos: packing
5. Nut, Plain, Hexagon: raw water discharge flange
6. Gasket: discharge flange to pump
7. Screw, Cap, Hexagon Head: raw water discharge flange
6. Gasket: discharge flange to pump
7. Screw, Cap, Hexagon Head: raw water discharge flange
8. Screw, Cap, Hexagon Head: raw water suction flange
9. Washer, Lock: raw water suction flange screw
10. Gasket: suction flange to pump
11. Pump, Centrifugal: raw water
12. Screw, Cap, Hexagon Head: pump mtg
13. Washer, Lock: pump mtg screw
14. Gasket: adaptor to gear housing, lg
15. Seal, Plain Encased
16. Bearing, Ball, Annular
17. Gasket: adaptor to gear housing, short
18. Pump, Centrifugal: fresh water

PUMP, CENTRIFUGAL: fresh & raw water

FIGURE 56 (2)

(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TOL/NC	SOURCE						MAINT LEVEL	RECOV.	2ND ECHELON			
							1-5	6-20	21-50	51-100	(A)	(B)
			<u>GROUP OF COOLING SYSTEM</u> <u>A0504 WATER PUMPS</u> <u>A0504.03 FRESH WATER & RAW WATER PUMP</u>									
9	C O	3110-144-8663	BEARING, BALL, ANNULAR: pump drive shaft (P/N 6308J)	EA		4	1	2	3	4	56	16
			GASKET:									
9	P O	2930-377-2837	flange to pump, discharge (P/N 2C2763)	EA		2	*	1	2	2	56	6
	C O	5330-377-2836	flange to pump, suction (P/N 2C2765)	EA		2	*	1	2	2	56	10
9	C O	2930-377-2834	water pump adaptor, lg (P/N 4A1184)	EA		1	*	*	2	2	56	14
9	C O	2930-377-2835	water pump adaptor, short (P/N 4A1185)	EA		1	*	*	2	2	56	17
	C O	5310-011-8617	NUT, PLAIN, HEXAGON: raw water discharge flange, 1/2 in.-13 NC (P/N MS35690-803)	EA		6	φ	φ	φ	φ	56	5
			PUMP, CENTRIFUGAL:									
9	P O T	2930-652-1501	fresh water (P/N W2310)	EA		1	*	*	*	*	56	18
9	P O T	2930-099-0895	raw water (P/N 3A1874)	EA		1	*	*	*	*	56	11
			Note: The following 8 items are u/w PUMP, CENTRIFUGAL, P/N W2310 & P/N 3A1874.									
	C O	5330-290-8576	GASKET: body (P/N W2310P23)	EA		2	*	1	2	2	56	3
9	P O	2930-099-0894	IMPELLER, PUMP, CENTRIFUGAL (P/N W2310P5)	EA		2	*	*	*	*	56	2
9	C O	2930-765-2578	RING, WEARING, CENTRIFUGAL PUMP (P/N W2310P2)	EA		2	*	*	*	*	56	1
	P O	5330-292-7324	ROPE, ASBESTOS: pump packing (P/N W2310P20)	EA		8	2	4	6	8	56	4
	C O	5305-017-9885	SCREW, CAP, HEXAGON HEAD: mtg, 1/2 in.-13 NC, 1-1/2 in. lg (P/N MS35295-113) 16 EA pump 8 EA raw water suction flange	EA		24	φ	φ	φ	φ	56	12
	C O	5305-017-9887	SCREW, CAP, HEXAGON HEAD: raw water discharge flange, 1/2 in.-13 NC, 1-3/4 in. lg (P/N MS35295-114)	EA		6	φ	φ	φ	φ	56	7
	C O	5330-290-0321	SEAL, PLAIN ENCASED: oil, drive shaft (P/N 50320)	EA		2	*	1	2	2	56	15
	C O	5310-010-3323	WASHER, LOCK: pump mtg capscrew, 1/2 in. nom screw size (P/N 35338-10)	EA		16	φ	φ	φ	φ	56	13
			<u>A0506 WATER MANIFOLD & THERMOSTAT</u>									
5	P O	2815-414-6438	THERMOSTATIC DEVICE: temp regulating valve, fresh water to oil cooler & by-pass, type WB (P/N 923-3)	EA		1	*	*	*	*		
			<u>B0501 HEAT EXCHANGER</u>									
	P O	4420-360-2081	CORE ASSEMBLY, FLUID COOLER (P/N 8502837)	EA		2	*	*	*	*	57	28
9	P O	3426-591-2731	ANODE, ZINC (P/N 8517473)	EA		4	2	4	6	8	57	24
			GASKET:									
5	P O	2815-765-0791	exp tank (P/N 5152445)	EA		2	*	1	2	2	57	41
9	P O	5330-333-2011	heat exchanger (P/N 5156147)	EA		4	2	2	4	4	57	40
9	C O	5330-297-4990	inlet tube (P/N 5156325)	EA		2	*	1	2	2	57	13
9	C O	5330-298-5706	outlet tube (P/N 5156319)	EA		2	*	1	2	2	57	29
9	C O	5307-281-3301	STUD, PLAIN: exp tank, 5/16 in.-18 NC, 5/16 in.-24 NF, 1-1/4 in lg (P/N 5150744)	EA		12	φ	φ	φ	φ	57	10

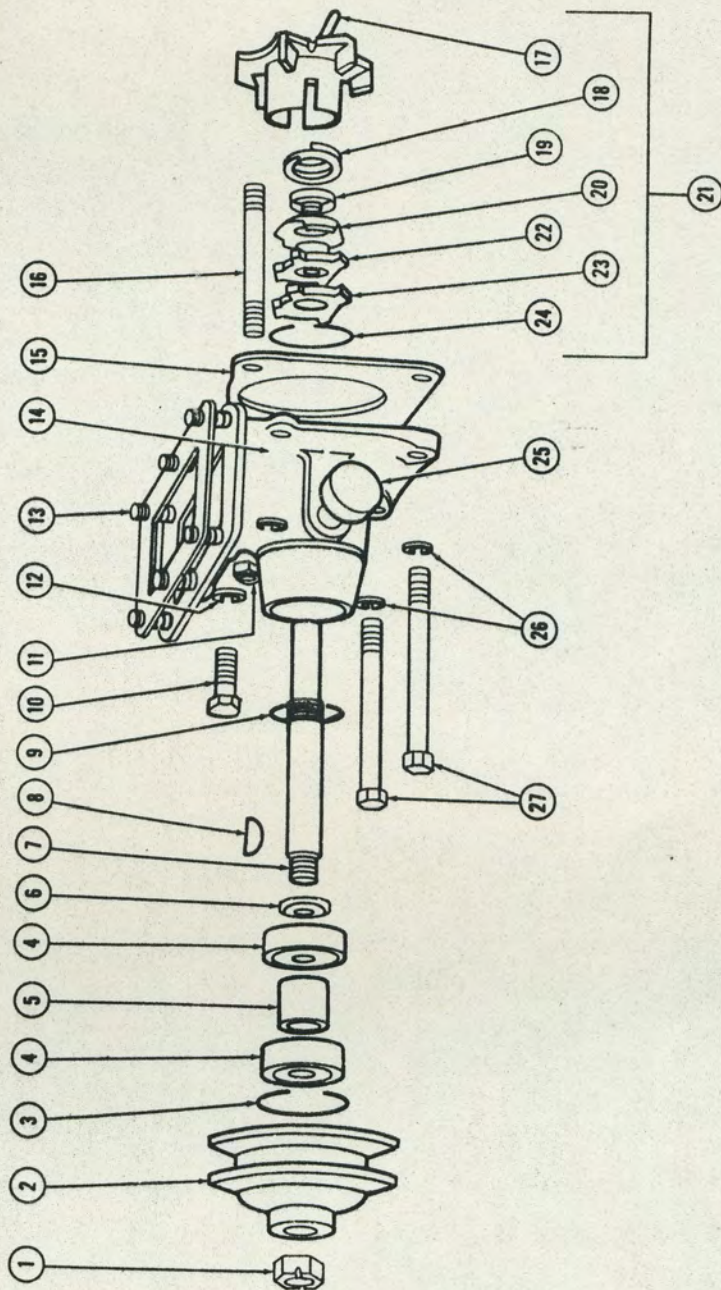


HEAT EXCHANGER AND LINES
 FIGURE 57 (1)

1. Tube: assy, overflow
2. Bolt: tank to thermostat housing
3. Lockwasher: tank to thermostat housing bolt
4. Elbow
5. Cap
6. Gasket: filler neck
7. Neck: filler
8. Tank: assy, expansion
9. Plug
10. Stud, Plain: expansion tank
11. Lockwasher: expansion tank stud
12. Nut: expansion tank stud
13. Gasket: inlet tube
14. Nut: inlet tube to exchanger stud
15. Lockwasher: inlet tube to exchanger stud
16. Tube: inlet, exchanger end
17. Clamp, Hose: water inlet tube
18. Hose, Preformed: inlet tube
19. Drain Cock: inlet tube, pump end
20. Tube: inlet, pump end
21. Nut: inlet tube to pump stud
22. Lockwasher: inlet tube to pump stud
23. Gasket: inlet tube to pump
24. Anode, Zinc
25. Nut: exchanger to pump stud
26. Lockwasher: exchanger to pump stud
27. Gasket: exchanger to pump
28. Core Assembly, Fluid Cooler
29. Gasket: outlet tube
30. Lockwasher: outlet tube to exchanger stud
31. Nut: outlet tube to exchanger stud
32. Tube: outlet, exchanger end
33. Hose: outlet tube
34. Clamp: outlet tube
32. Tube: outlet, exchanger end
33. Hose: outlet tube
34. Clamp: outlet tube
35. Drain Cock: outlet tube, manifold end
36. Nut: outlet tube to manifold stud
37. Lockwasher: outlet tube to manifold stud
38. Gasket: outlet tube to manifold
39. Nut: overflow tube retaining strap
40. Gasket: heat exchanger
41. Gasket: expansion tank

HEAT EXCHANGER AND LINES

FIGURE 57 (2)



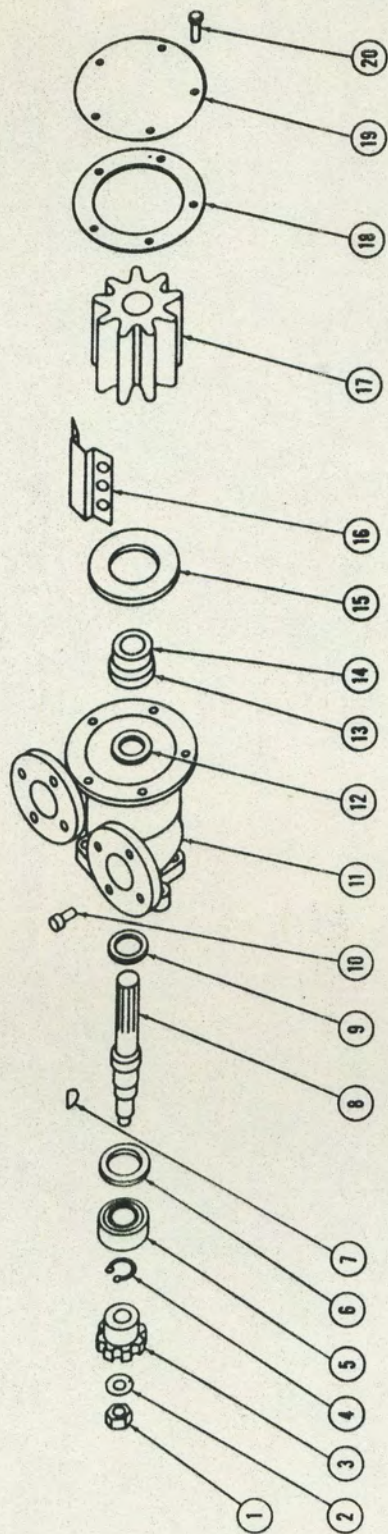
PUMP, CENTRIFUGAL: fresh water
 FIGURE 58 **1**

1. Nut: pulley to shaft
2. Pulley
3. Retainer: bearing
4. Bearing
5. Spacer
6. Deflector
7. Shaft
8. Key
9. Retainer: deflector
10. Screw: pump to oil cooler, 1-1/8 in. lg
11. Nut: pump to oil cooler stud
12. Lockwasher: pump to oil cooler stud
13. Stud, Plain: pump to heat exchanger
14. Body
15. Gasket: pump to oil cooler
16. Stud: pump to oil cooler
17. Pin
18. Spring
19. Guide
20. Ring
21. Impeller, Water Pump
22. Seal, Water Pump
23. Washer: seal
24. Retainer: seal
25. Cup
26. Lockwasher: pump to oil cooler screw
27. Screw: pump to oil cooler, 4-1/4 in. lg

PUMP, CENTRIFUGAL: fresh water
FIGURE 58

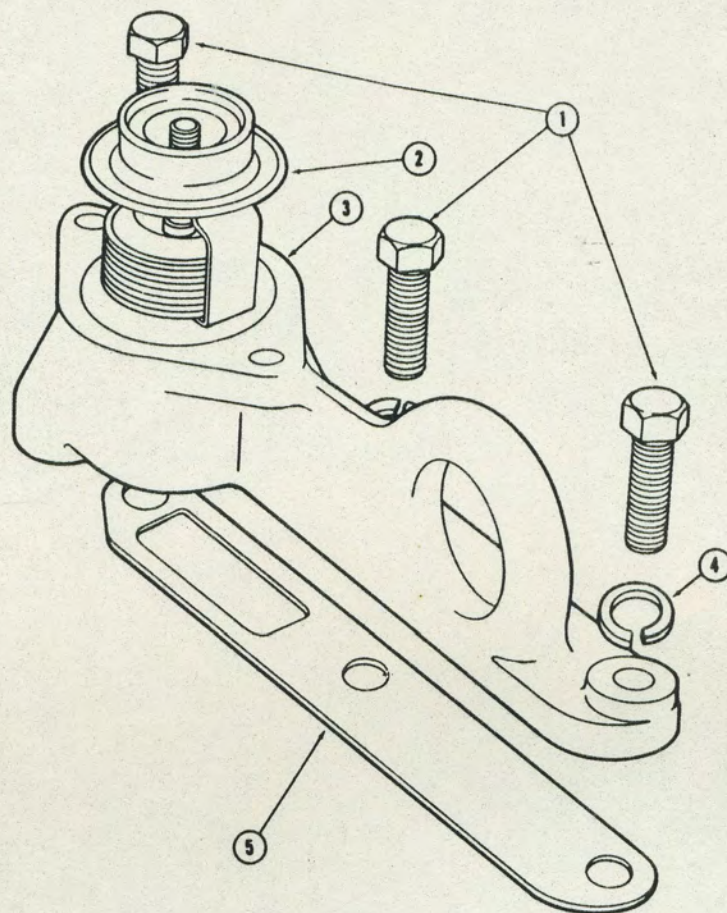
2

(1) SOURCE MAINT & REC'D CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 75 DAYS MANT ALLOWANCE FOR NO. OF BASED ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TECHNIC	SOURCE	MAINT	REC'D						2ND ECHELON				FIG NO (A)	ITEM NO (B)
									1-8	6-20	21-80	51-100		
<u>BO501 HEAT EXCHANGER (CONTINUED)</u>														
9	C	O		5310-010-3320	WASHER, LOCK: exp tank stud, 5/16 in. nom screw size (P/N MS35338-7)	EA		12	φ	φ	φ	φ		
<u>BO501.02 CLAMPS, HOSES</u>														
	C	O		4730-555-1406	CLAMP, HOSE: water inlet tube, 11/16 in. to 3-5/8 in. id	EA		4	φ	φ	φ	φ	57	17
	P	O		4720-278-5050	HOSE, PREFORMED: inlet tube (P/N 5156170)	EA		2	*	*	*	*	57	18
5	P	O		2815-354-1187	GASKET: mtg (P/N 5153898)	EA		2	*	1	2	2	58	15
<u>BO504 WATER PUMPS</u>														
<u>BO504.01 FRESH WATER PUMP ASSEMBLY</u>														
9	P	O		2930-379-4267	PUMP, CENTRIFUGAL (P/N 5156720)	EA		2	*	*	*	*	58	
9	P	O		2930-354-1273	IMPELLER, WATER PUMP: incl cup, guide, rings, seal, spring, stud & washer (P/N 5170626)	EA		2	*	*	*	*	58	21
9	C	O		2930-389-9086	SEAL, WATER PUMP: shaft (P/N 1307479)	EA		2	*	1	2	2	58	22
	C	O		5307-281-3301	STUD, PLAIN: mtg, 5/16 in.-18 NC, 5/16 in.-24 NF, 1-1/4 in. lg (P/N 5150744)	EA		12	φ	φ	φ	φ	58	13
<u>BO504.02 RAW WATER PUMP ASSEMBLY</u>														
9	P	O		5330-285-3422	GASKET: pump mtg (P/N 5156145)	EA		2	*	1	2	2		
9	P	O		2930-608-5847	PUMP ASSEMBLY, RAW WATER (P/N 5115954)	EA		2	*	*	*	*	59	
5	P	O		2815-097-3249	GASKET: cover (P/N 5193603)	EA		2	*	1	2	2	59	18
5	P	O		3020-517-2649	GEAR, SPUR: drive (P/N 5193576)	EA		2	*	*	*	*	59	3
9	P	O		2930-099-1060	IMPELLER (P/N 5193602)	EA		2	*	*	*	*	59	17
9	C	O		5330-766-7938	SEAL, PLAIN: shaft (P/N 5194216)	EA		2	*	1	2	2	59	13
<u>BO506 WATER MANIFOLD & THERMOSTAT</u>														
	C	O		2930-354-1207	GASKET: thermostat housing (P/N 5154271)	EA		2	*	*	2	2	60	5
9	P	O		5305-017-9860	SCREW, CAP, HEXAGON HEAD: thermostat housing, 7/16 in.-14 NC, 1-1/4 in. lg (P/N MS35295-87)	EA		6	φ	φ	φ	φ	60	1
	C	O		6620-786-6475	THERMOSTAT (P/N 3133594)	EA		2	*	*	*	*	60	2
	P	O		5310-624-5395	WASHER, LOCK: thermostat housing, 7/16 in. nom screw size (P/N MS35337-47)	EA		6	φ	φ	φ	φ	60	4
<u>CO501 HEAT EXCHANGER</u>														
	P	O		5340-278-1225	ANODE, CORROSION PREVENTIVE (P/N Z3R104)	EA		2	1	1	2	2		
9	P	O		2930-375-2889	BUNDLE, HEAT EXCHANGER: core (P/N 20M301-6B1)	EA		2	*	*	*	*	61	29
	P	O		5330-375-2891	GASKET: bonnet to tube bundle (P/N 2G3A902)	EA		2	*	*	2	2	61	27
9	P	O		2930-375-2893	cover to bundle (P/N 6G3R901)	EA		2	*	*	2	2	61	28



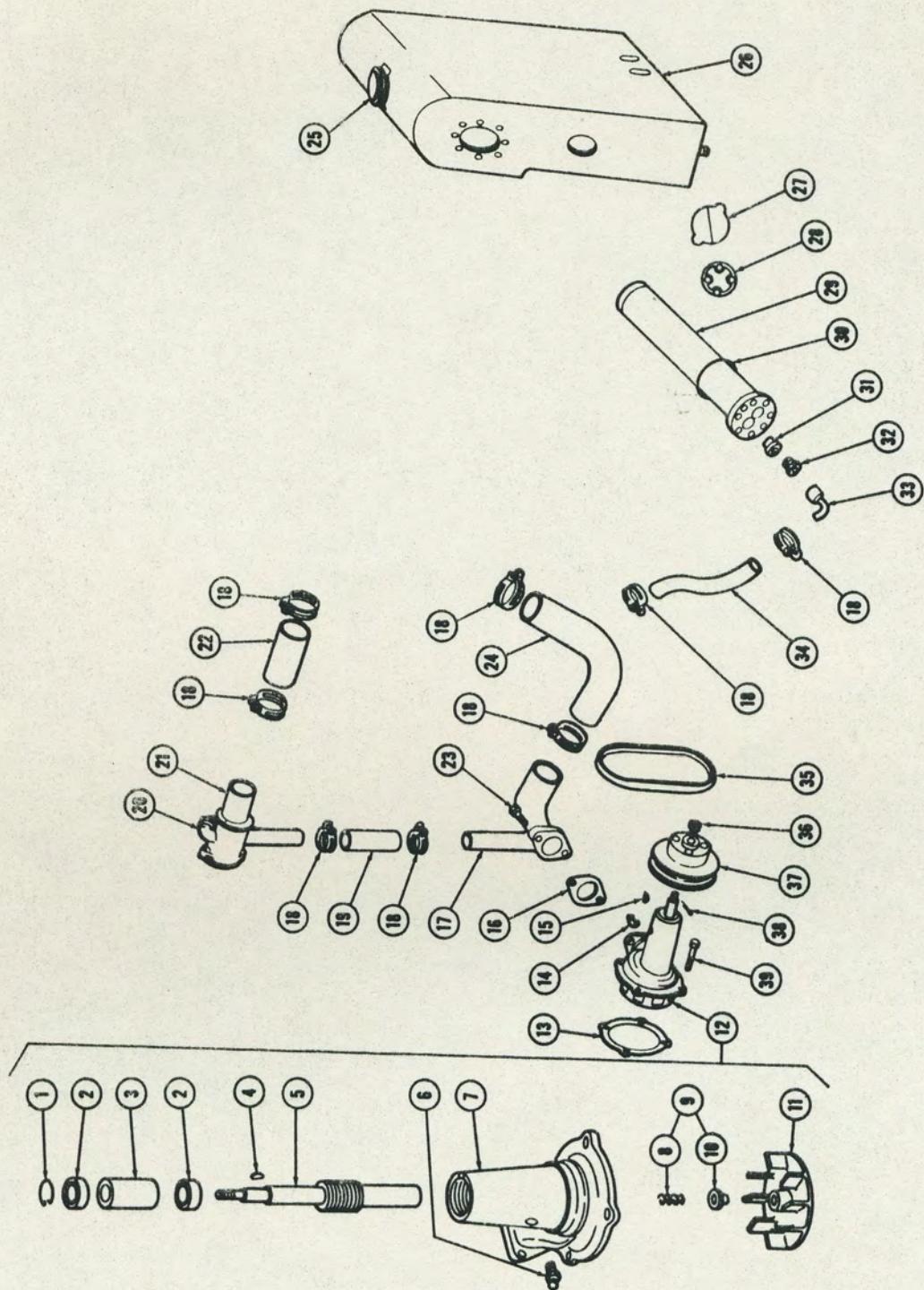
- | | |
|----------------------------|--------------------------|
| 1. Nut | 11. Body |
| 2. Lockwasher | 12. Ring |
| 3. Gear, Spur: drive | 13. Seal, Plain: shaft |
| 4. Retainer | 14. Spacer |
| 5. Bearing | 15. Plate |
| 6. Seal: bearing | 16. Cam |
| 7. Key | 17. Impeller |
| 8. Shaft | 18. Gasket: cover |
| 9. Slinger | 19. Cover |
| 10. Screw: body offset cam | 20. Screw: end cover mtg |

PUMP ASSEMBLY, RAW WATER
FIGURE 59



- 1. Screw, Cap, Hexagon Head
- 2. Thermostat
- 3. Housing
- 4. Washer, Lock
- 5. Gasket

THERMOSTAT AND HOUSING
FIGURE 60

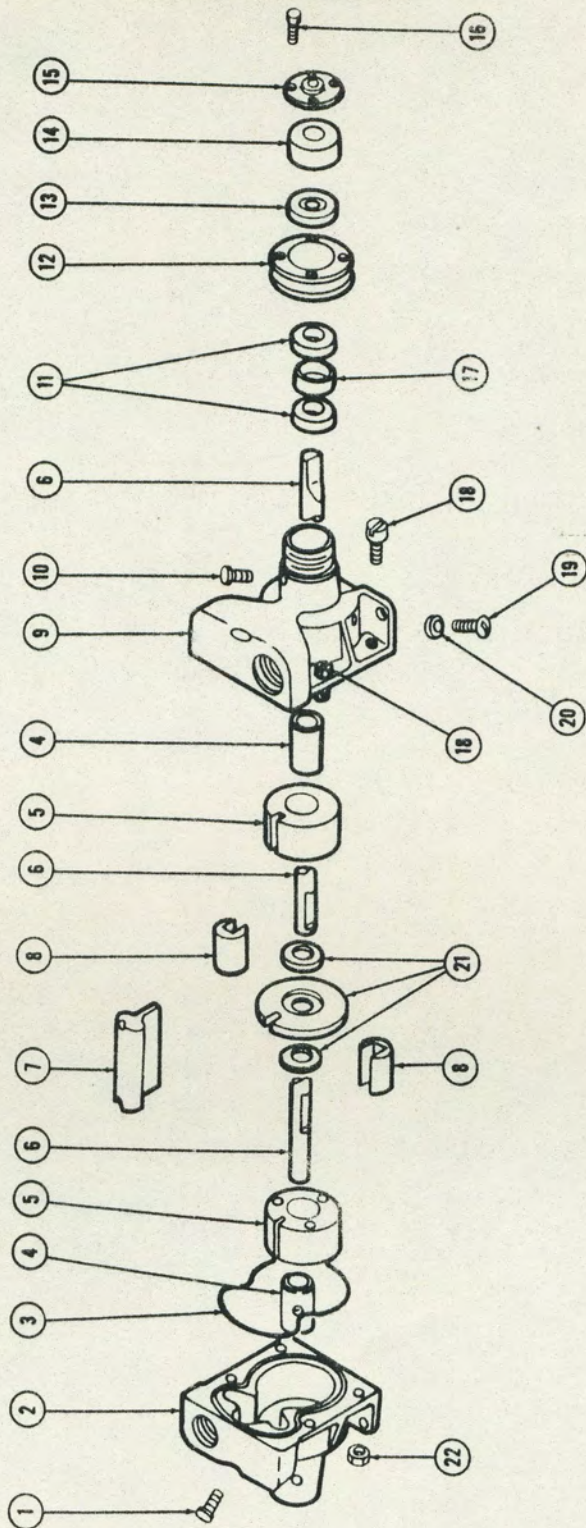


FRESH WATER PUMP AND HEAT EXCHANGER
 FIGURE 61 (1)

1. Ring, Retaining: pump
2. Bearing, Ball, Annular
3. Spacer, Sleeve
4. Key, Woodruff
5. Shaft, Pump
6. Fitting, Lubrication
7. Body, Pump
8. Spring
9. Packing Assembly: incl spring & seal
10. Seal
11. Impeller
12. Pump Assembly, Water
13. Gasket: pump to crankcase
14. Fitting
15. Key
16. Gasket: pump to suction pipe
17. Pipe, Suction
18. Clamp, Hose
19. Hose, Rubber: pump to thermostat housing
20. Housing, Thermostat
21. Extension: thermostat housing
22. Hose, Rubber: heat exchanger to thermostat housing
23. Bolt: suction pipe to pump
24. Hose, Rubber: heat exchanger to pump
25. Cap: tank
26. Tank
27. Gasket: bonnet to tube bundle
28. Gasket: cover to tube bundle
29. Bundle, Heat Exchanger: core
30. Washer, Nonmetallic: element to tank
31. Bushing
32. Nipple, Pipe
33. Elbow, Hose Connector
34. Hose, Rubber: cooling element inlet
35. Belt, V
36. Nut: pump shaft
37. Pulley
38. Pin, Cotter
39. Bolt, Machine: pump mtg

FRESH WATER PUMP AND HEAT EXCHANGER
 FIGURE 61 (2)

(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MARRY ALLOWANCE FOR NO. OF BASE ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TDL/VC SOURCE	MAINT LVL/RECOV.						2ND ECHELON				FIG NO (A)	ITEM NO (B)
							1-8	6-20	21-50	51-100		
			<u>CO501 HEAT EXCHANGER (CONTINUED)</u>									
P	O	5330-375-2892	WASHER, NONMETALLIC: element to tank, 1/32 in. thk (P/N 2G3A901)	EA		2	*	*	2	2	61	30
			<u>CO501.02 CLAMPS, HOSES</u>									
P	O	4730-555-1406	CLAMP, HOSE: cooling system, 11/16 in. to 3-5/8 in. id	EA		16	φ	φ	φ	φ	61	18
5	P	O	HOSE, RUBBER: cooling element inlet (P/N 44255100)	EA		2	*	*	*	*	61	34
	P	O	heat exchanger to thermostat housing (P/N 4425720G)	EA		2	*	*	*	*	61	22
5	P	O	heat exchanger to water pump (P/N 44257830)	EA		2	*	*	*	*	61	24
5	P	O	water pump to thermostat housing (P/N 44255730)	EA		2	*	*	*	*	61	19
			<u>CO504 WATER PUMPS</u>									
			<u>CO504.01 FRESH WATER PUMP ASSEMBLY</u>									
5	C	O	3030-232-5981 BELT, V: pump & generator drive (P/N B46)	EA		2	*	*	*	*	61	35
	C	O	5306-274-0959 BOLT, MACHINE: pump mtg, 3/8 in.-16 NC, 1 in. lg	EA		8	φ	φ	φ	φ	61	39
			GASKET:									
9	P	O	2930-375-2880 water pump to crankcase (P/N 35852481)	EA		2	*	*	2	2	61	13
	C	O	5330-375-2894 water pump to suction pipe (P/N 35796541)	EA		2	*	*	2	2	61	16
9	P	O	2930-375-2885 PUMP ASSEMBLY, WATER (P/N A119283)	EA		2	*	*	*	*	61	12
	P	O	2930-375-2712 PACKING ASSEMBLY: incl spring (P/N C115386)	EA		2	*	*	*	*	61	9
			<u>CO504.02 RAW WATER PUMP ASSEMBLY</u>									
5	P	O	3030-330-8820 BELT, V: pump drive (P/N A26S)	EA		2	*	*	*	*		
	P	O	4320-375-2884 PUMP, ROTARY, POWER DRIVEN: raw water (P/N PP2M)	EA		2	*	*	*	*	62	
	C	O	5330-375-2879 GASKET: housing (P/N 21101)	EA		2	*	*	2	2	62	3
	P	O	5330-375-2886 SEAL: shaft (P/N 21401)	EA		4	*	2	4	4	62	11
9	P	O	5305-207-3846 SCREW, CAP, HEXAGON HEAD: pump to bracket, 1/4 in.-20 NC, 3/4 in. lg	EA		8	φ	φ	φ	φ	62	19
9	P	O	5310-010-3319 WASHER, LOCK: pump to bracket, 1/4 in. nom screw size	EA		8	φ	φ	φ	φ	62	20
			<u>CO506 WATER MANIFOLD & THERMOSTAT</u>									
	P	O	5306-808-7973 BOLT, MACHINE: thermostat housing, 5/16 in.-18 NC, 7/8 in. lg (P/N MS35303-33)	EA		8	φ	φ	φ	φ	63	3
			GASKET:									
5	P	O	2815-333-0626 cylinder head to water manifold (P/N 35792901)	EA		4	2	2	4	4	63	8
	C	O	5330-333-2134 thermostat (P/N 35688061)	EA		2	*	*	2	2	63	6
	P	O	5330-333-2135 thermostat housing (P/N 35875141)	EA		2	*	*	2	2	63	4
	C	O	6680-323-9684 THERMOSTAT, FLOW CONTROL: water temp (P/N 1699700)	EA		2	*	*	*	*	63	7
			<u>DO501 HEAT EXCHANGER</u>									
5	P	O	2815-766-7861 ELEMENT, HEAT EXCHANGER: tube bundle (P/N 20M3-501-6B2)	EA		1	*	*	*	*	61	29



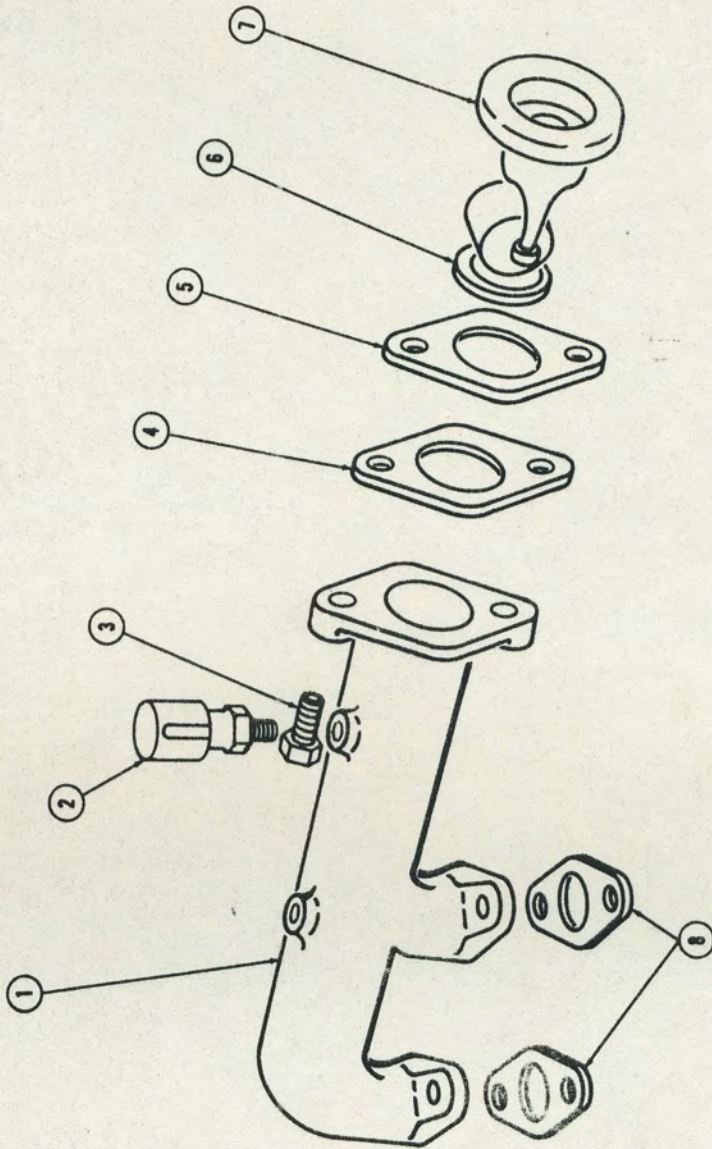
PUMP, ROTARY, POWER DRIVEN: raw water

FIGURE 62



1. Screw: impeller guide
2. Housing: rear half
3. Gasket: housing
4. Bearing, Sleeve
5. Impeller
6. Shaft
7. Guide: impeller
8. Eccentric
9. Housing: front half
10. Screw: bushing retaining
11. Seal
12. Pulley
13. Bearing, Ball, Annular
14. Nut: bearing retaining
15. Cap: drive
16. Screw: drive cap
17. Spacer, Seal
18. Screw: front housing to rear housing
19. Screw, Cap, Hexagon Head: pump to bracket
20. Washer, Lock: pump to bracket screw
21. Separator: assy
22. Nut: front housing to rear housing screw

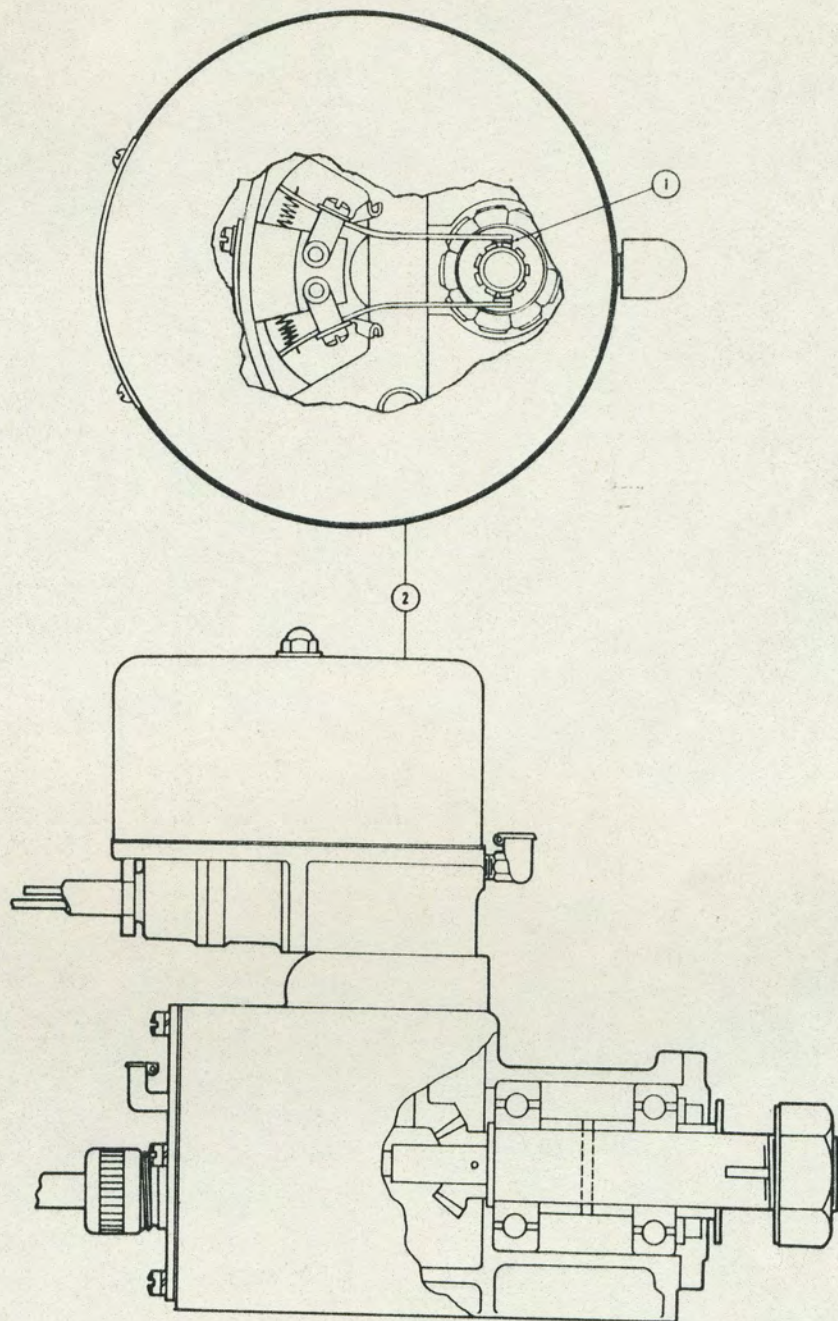
PUMP, ROTARY, POWER DRIVEN: raw water
FIGURE 62 (2)



- 1. Manifold, Water
- 2. Thermometer
- 3. Bolt, Machine: thermostat housing
- 4. Gasket: thermostat housing
- 5. Gasket: manifold to thermostat housing
- 6. Gasket: thermostat
- 7. Thermostat, Flow Control: water temp
- 8. Gasket: manifold to cylinder head

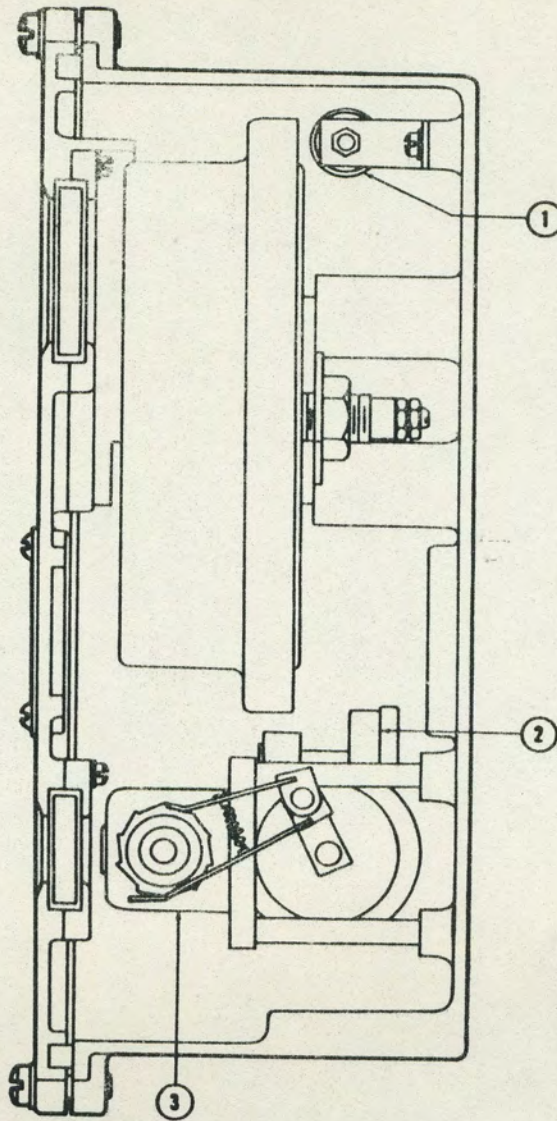
WATER MANIFOLD AND THERMOSTAT
FIGURE 63

(1) SOURCE MAINT. & REC'D CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TICKLVC	SOURCE	MAINT LTR						REC'D	2ND ECHELON				FIG NO	ITEM NO
									1-5	6-20	21-50	51-100		
				<u>DO501 HEATER EXCHANGER (CONTINUED)</u>										
	C	O		5330-099-1115	GASKET: bonnet to tube bundle (P/N G3-5R101)	EA	1	*	*	1	1	61	27	
	C	O		5330-310-6667	cover to bundle (P/N 4G3-5R102)	EA	1	*	*	1	1	61	28	
	C	O		5330-310-6666	element assy to tank (P/N G3-5R102)	EA	1	*	*	1	1	61	30	
				<u>DO501.02 CLAMPS, HOSES</u>										
	P	O		4730-555-1406	CLAMP, HOSE: adjustable, 11/16 in. to 3-5/8 in. id	EA	8	φ	φ	φ	φ	61	18	
	5	P	O	4720-375-2895	HOSE, RUBBER: cooling element inlet (P/N 44255100)	EA	1	*	*	*	*	61	34	
	5	P	O	4720-319-1117	heat exchanger to thermostat housing (P/N 44257200)	EA	1	*	*	*	*	61	22	
	5	P	O	4720-375-2896	heat exchanger to water pump (P/N 44257830)	EA	1	*	*	*	*	61	24	
	5	P	O	4720-319-1118	water pump to thermostat housing (P/N 44255730)	EA	1	*	*	*	*	61	19	
				<u>DO504 WATER PUMPS</u>										
				<u>DO504.01 FRESH WATER PUMP ASSEMBLY</u>										
	5	C	O	3030-232-5981	BELT, V: pump & generator drive (P/N B4E)	EA	1	*	*	*	*	61	35	
		C	O	5306-274-0959	BOLT, MACHINE: pump mtg, 3/8 in.-16 NC, 1 in. lg	EA	4	φ	φ	φ	φ	61	39	
	9	P	O	2930-375-2880	GASKET: water pump to crankcase (P/N 35852481)	EA	1	*	*	1	1	61	13	
		C	O	5330-375-2894	water pump to suction pipe (P/N 35795541)	EA	1	*	*	1	1	61	16	
	9	P	O	2930-375-2885	PUMP ASSEMBLY, WATER (P/N A119283)	EA	1	*	*	*	*	61	12	
		P	O	2930-375-2712	PACKING ASSEMBLY: incl spring (P/N C115386)	EA	1	*	*	*	*	61	9	
				<u>DO504.02 RAW WATER PUMP ASSEMBLY</u>										
	5	P	O	3030-330-8820	BELT, V: pump drive (P/N A26S)	EA	1	*	*	*	*			
	5	P	O	4320-375-2884	PUMP, ROTARY, POWER DRIVEN: raw water (P/N PP2M)	EA	1	*	*	*	*	62		
		C	O	5330-375-2879	GASKET: housing (P/N 21101)	EA	1	*	*	1	1	62	3	
		P	O	5330-375-2886	SEAL: shaft (P/N 21401)	EA	4	*	1	2	2	62	11	
	9	P	O	5305-207-3846	SCREW, CAP, HEXAGON HEAD: pump to bracket, 1/4 in.-20 NC, 3/4 in. lg	EA	4	φ	φ	φ	φ	62	19	
	9	P	O	5310-010-3319	WASHER, LOCK: pump to bracket, 1/4 in. nom screw size (P/N MS35338-6)	EA	4	φ	φ	φ	φ	62	20	
				<u>DO506 WATER MANIFOLD & THERMOSTAT</u>										
		P	O	5306-808-7973	BOLT, MACHINE: thermostat housing, 5/16 in.-18 NC, 7/8 in. lg (P/N MS35303-33)	EA	4	φ	φ	φ	φ	63	3	
	5	P	O	2815-333-0626	GASKET: cylinder head to water manifold (P/N 35792301)	EA	3	1	1	2	2	63	8	
		C	O	5330-333-2134	thermostat (P/N 35688061)	EA	1	*	*	1	1	63	6	
	5	P	O	5330-333-2135	thermostat housing (P/N 35875141)	EA	1	*	*	1	1	63	4	
		C	O		THERMOSTAT, FLOW CONTROL (P/N 1699700)	EA	1	*	*	*	*	63	7	



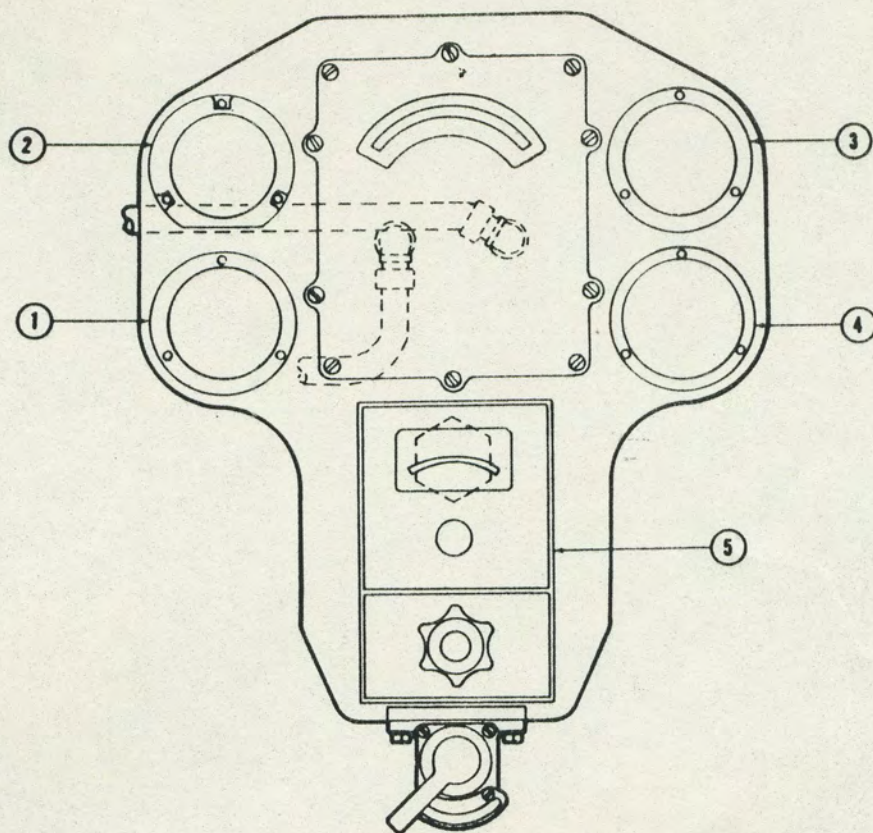
- 1. Brush, Electrical Contact
- 2. Magneto

GENERATOR, TACHOMETER
FIGURE 64



- 1. Resistor, Fixed
- 2. Rheostat, Variable
- 3. Counter Assembly, Shaft Revolution

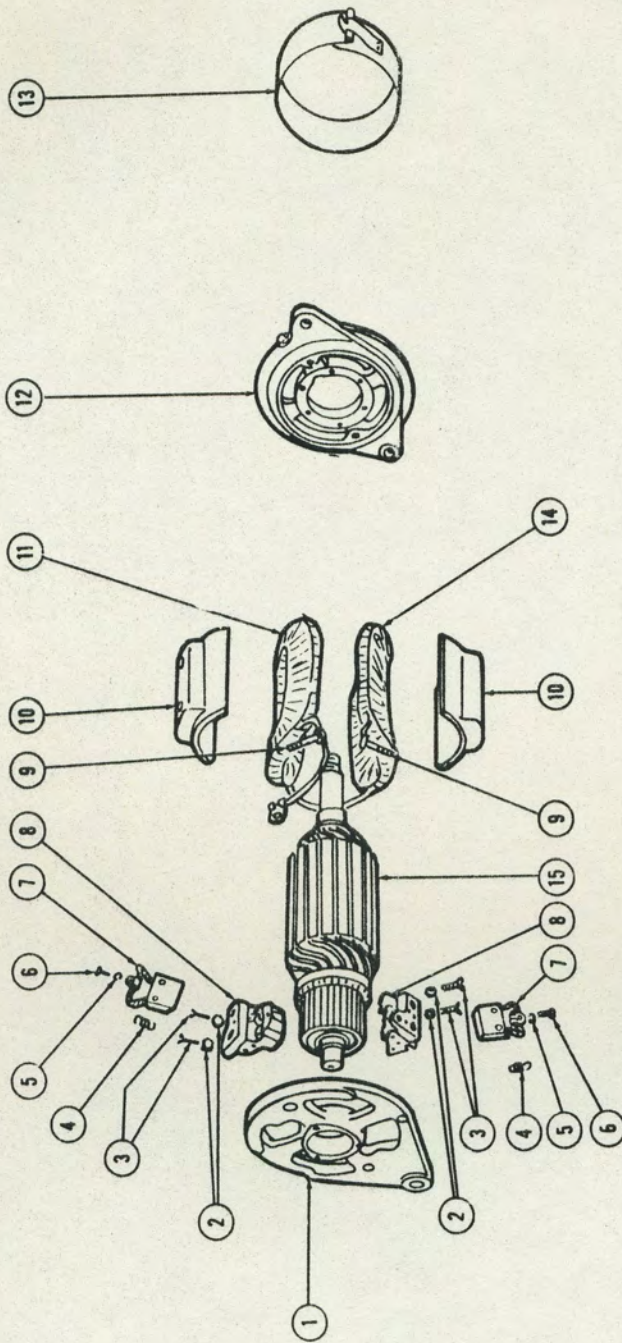
INDICATOR, SHAFT REVOLUTION
FIGURE 65



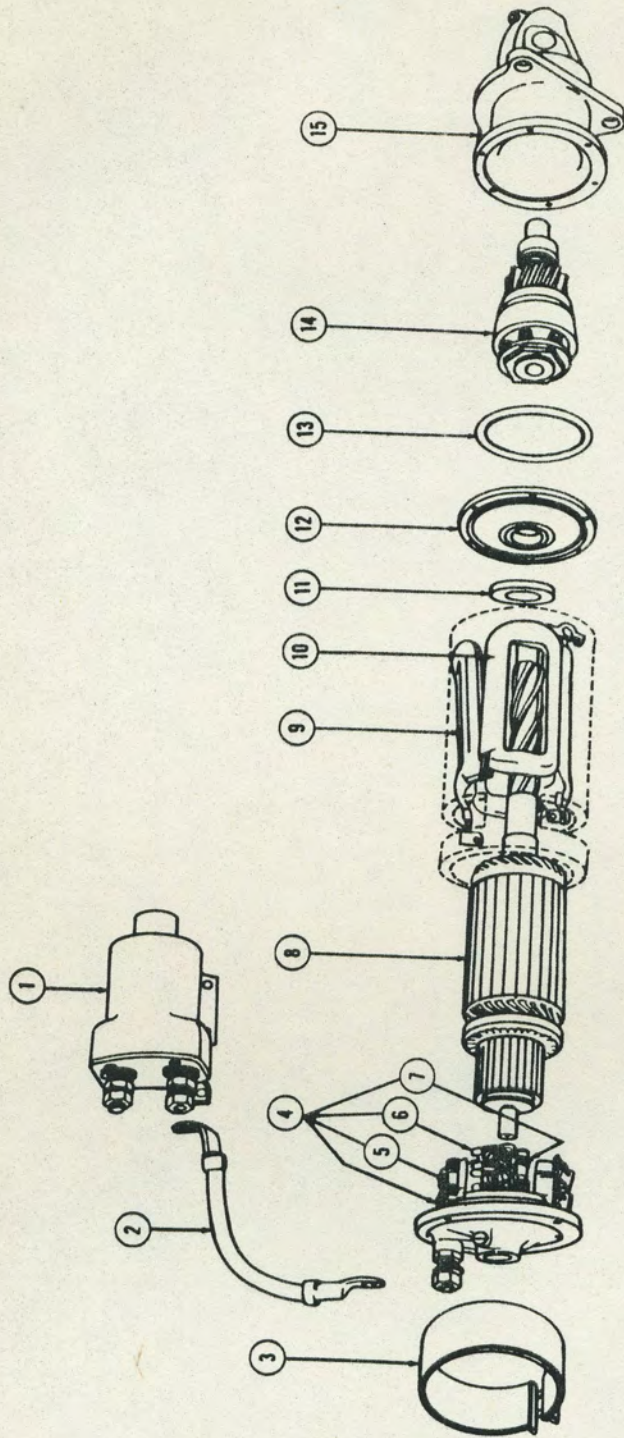
1. Gage, Fuel: pressure
2. Gage, Pressure, Dial Indicating: water manifold
3. Gage, Pressure, Dial Indication: starting air
4. Gage, Pressure, Dial Indicating: lube oil
5. Pyrometer, Engine: temp indicating

INSTRUMENT PANEL
FIGURE 66

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT				(7) 15 DAYS MANTY ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS			
TECHNICAL SOURCE	MAINT LEVEL	RECOV.	2ND ECHELON					FIG NO	ITEM NO										
			1-5							6-20	21-50	51-100	(A)	(B)					
					<u>GROUP 06 ELECTRICAL SYSTEM</u> <u>A0607 INSTRUMENTS</u>														
C	O			6680-767-2223	GENERATOR, TACHOMETER: transmitter, shaft (P/N TYPE1M10)	EA		1	*	*	*	*				64			
P	O			5977-770-6171	BRUSH, ELECTRICAL CONTACT: magneto, 18 k gold (P/N DWGN01213A7CPC417)	EA		2	1	1	2	2				64			
					INDICATOR, SHAFT REVOLUTION: engine room, type ICLF 1 EA														
P	O			6680-767-5579	COUNTER ASSEMBLY, SHAFT REVOLUTION: electric, type ECB-8 (P/N 12031)	EA		1	*	*	*	*				65	3		
C	O			5905-766-7965	RESISTOR, FIXED (P/N 056-8C)	EA		1	*	*	*	*				65	1		
C	O			5905-768-2774	RHEOSTAT, VARIABLE (P/N M600PX)	EA		1	*	*	*	*				65	2		
P	O			6685-611-3949	PYROMETER, ENGINE: temp indicating (P/N 3A2600)	EA		1	*	*	*	*				66	5		
C	O			5930-379-0765	SWITCH, ALARM: low air pressure (P/N 530038)	EA		1	*	*	*	*							
C	O			5930-379-0763	SWITCH, OIL PRESSURE: alarm (P/N BM483)	EA		1	*	*	*	*							
C	O			5930-379-0762	SWITCH, THROTTLE (P/N BM483B)	EA		1	*	*	*	*							
					Note: SWITCH, WATER TEMPERATURE, P/N BM608A is replaced by SWITCH, WATER TEMPERATURE, P/N BM608B.														
11	P	O		5930-772-6550	SWITCH, WATER TEMPERATURE: alarm, engine mtd (P/N BM608B)	EA		1	*	*	*	*							
C	O			6685-767-5577	THERMOCOUPLE, HEATING ELEMENT: pyrometer (P/N 2C4470)	EA		8	*	*	*	*							
					<u>B0601 GENERATOR</u>														
					Note: The following 5 items are u/o Detroit Diesel Engines equipped w/Electric Starting System.														
5	C	O		3030-269-9716	BELT, V: generator drive (P/N 7520460)	EA		2	*	*	*	*							
9	P	O		2920-374-4377	GENERATOR, ENGINE ACCESSORY: 24 v (P/N 1106867)	EA		2	*	*	*	*				67			
C	O			5977-391-0635	BRUSH, ELECTRICAL CONTACT (P/N 1906911)	EA		4	2	4	6	8			67	7			
11	P	O		5970-099-1134	HOLDER, ELECTRICAL CONTACT: brush (P/N 1909989)	EA		4	*	*	*	*			67	8			
9	C	O		5340-249-5903	SPRING, HELICAL, EXTENSION: brush (P/N 1910033)	EA		4	*	*	*	*			67	4			
					<u>B0602 GENERATOR REGULATOR (VOLTAGE)</u>														
					Note: REGULATOR, VOLTAGE, P/N 1118346 is replaced by REGULATOR, VOLTAGE, P/N 1118737.														
P	O			6110-573-0467	REGULATOR, VOLTAGE: 24 v (P/N 1118737)	EA		2	*	*	*	*							

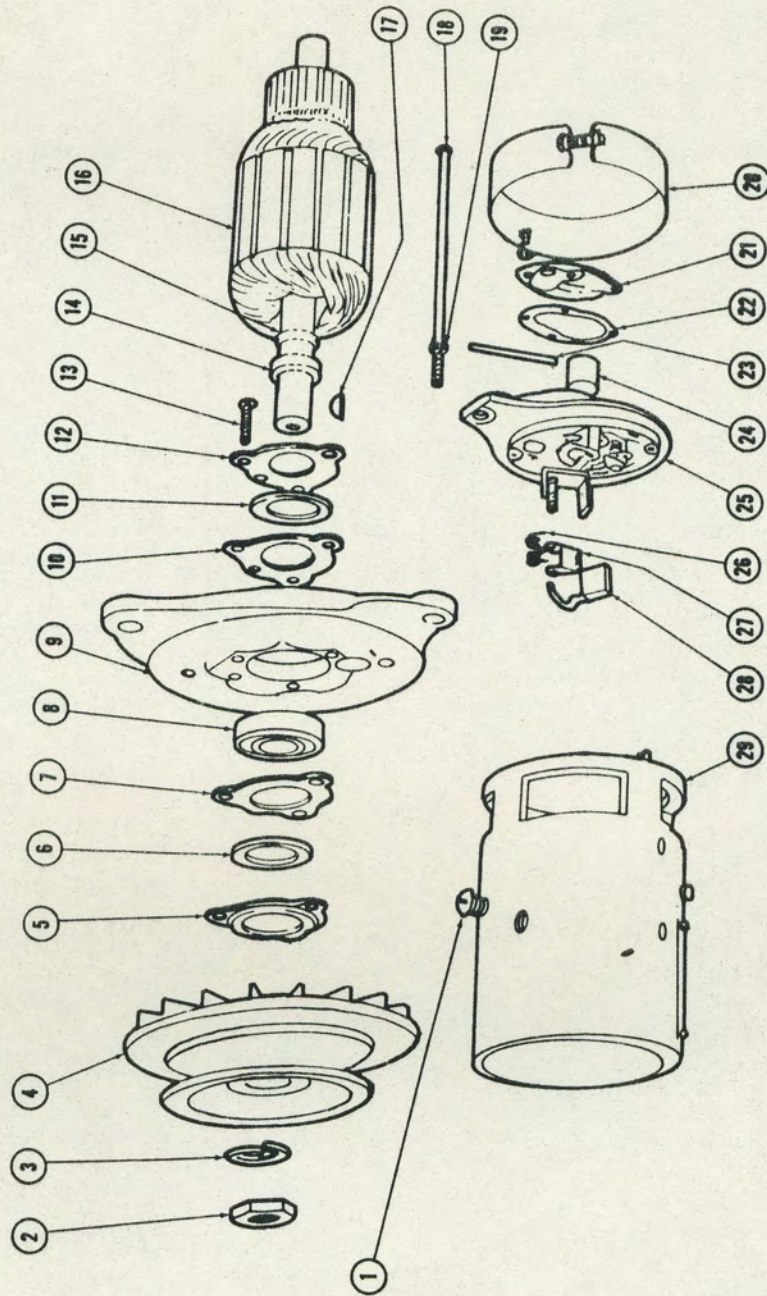


GENERATOR, ENGINE ACCESSORY
FIGURE 67



- 1. Relay, Solenoid
- 2. Cable
- 3. Band
- 4. Plate: assy, holder
- 5. Holder Assembly, Electrical: brush
- 6. Brush, Electrical Contact
- 7. Spring, Helical, Torsion: brush
- 8. Armature
- 9. Winding: rh
- 10. Winding: lh
- 11. Collar
- 12. Plate: bearing
- 13. Gasket
- 14. Drive, Engine, Electrical Starter
- 15. Housing: drive

STARTER, ENGINE, ELECTRICAL
FIGURE 68

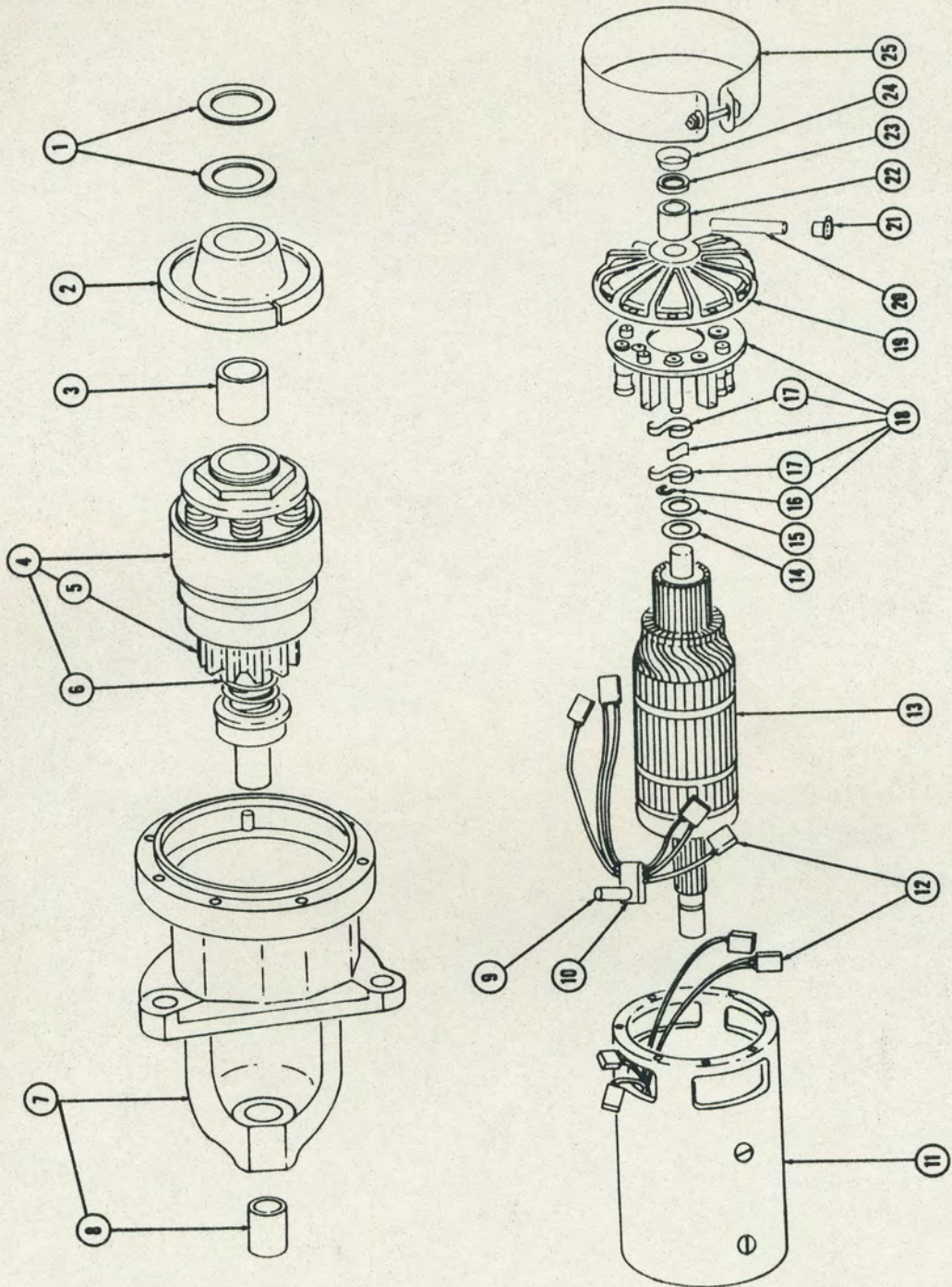


GENERATOR, ENGINE ACCESSORY
FIGURE 69 ①

1. Screw, Machine: coil to frame
2. Nut: armature shaft
3. Lockwasher: armature shaft nut
4. Pulley
5. Retainer: bearing felt, outer
6. Washer: felt, pulley end bearing, outer
7. Retainer: bearing, pulley end bearing, outer
8. Bearing, Ball, Annular
9. Head: pulley end
10. Retainer: bearing, pulley end head, inner
11. Washer: felt, pulley end bearing, inner
12. Retainer: bearing felt, inner
13. Screw: bearing retainer
14. Collar: armature shaft
15. Ring: armature shaft
16. Armature, Generator
17. Key, Woodruff
18. Thrubolt
19. Lockwasher: thrubolt
20. Band: brush access
21. Cover: commutator end
22. Gasket: commutator end cover
23. Felt: commutator end bearing lubricating
24. Bearing, Sleeve: commutator end
25. Head Assembly: commutator end
26. Spring, Helical, Torsion: brush
27. Arm, Electrical Brush
28. Brush, Electrical Contact
29. Frame

GENERATOR, ENGINE ACCESSORY
FIGURE 69 (2)

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER		(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MANT ALLOWANCE FOR NO. OF SAME ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TECHNIC SOURCE	MAINT LEVEL	RECOV.	FEDERAL STOCK NUMBER	2ND ECHELON						FIG NO	ITEM NO					
				1-5	6-20							21-50	51-100	(A)	(B)	
<u>B0603 STARTING MOTOR</u>																
Note: The following 6 items are u/o Detroit Diesel Engines equipped w/Electric Starting System.																
9	P	0	2920-276-9263	RELAY, SOLENOID: 24 v (P/N 118092)	EA	2	*	*	*	*			68	1		
	P	0	2920-620-9428	STARTER, ENGINE ELECTRICAL: 24 v (P/N 1113703)	EA	2	*	*	*	*			68			
11	C	0	5977-232-5345	BRUSH, ELECTRICAL CONTACT (P/N 1906909)	EA	16	8	16	24	32			68	6		
9	C	0	2920-587-1508	DRIVE, ENGINE, ELECTRICAL STARTER (P/N 1937073)	EA	2	*	*	*	*			68	14		
11	P	0	5977-296-2497	HOLDER ASSEMBLY, ELECTRICAL: brush rigging, incl spring & holder (P/N 1909527)	EA	4	*	*	*	*			68	5		
	P	0	2920-597-3278	SPRING, HELICAL, TORSION: brush (P/N 1861785)	EA	16	*	*	*	*			68	7		
<u>B0607 INSTRUMENTS</u>																
	P	0	5930-258-5394	SWITCH, PUSH BUTTON: engine starting (P/N 1996027)	EA	2	*	*	*	*						
<u>C0601 GENERATOR</u>																
11	P	0	5977-228-7940	BRUSH, ELECTRICAL CONTACT: battery charging generator (P/N GFL2012S)	EA	2	*	*	2	4			69	28		
9	P	0	2920-294-3927	GENERATOR, ENGINE ACCESSORY: battery charging, 24 v (P/N GFL4811A)	EA	2	*	*	*	*			69			
11	P	0	5977-033-5499	ARM, ELECTRICAL BRUSH (P/N GCJ26)	EA	4	*	*	*	*			69	27		
9	P	0	2920-188-3024	ARMATURE, GENERATOR (P/N GFL2006F)	EA	2	*	*	*	*			69	16		
9	P	0	3110-144-8505	BEARING, BALL, ANNULAR: shaft pulley end (P/N 6203J)	EA	2	*	*	2	2			69	8		
9	P	0	2920-293-5041	BEARING, SLEEVE: commutator end (P/N GBF79)	EA	2	*	*	*	*			69	24		
	P	0	2920-363-3939	SPRING, HELICAL, TORSION: brush (P/N GBW45A)	EA	4	*	*	*	*			69	26		
<u>C0602 GENERATOR REGULATOR (VOLTAGE)</u>																
9	P	0	2920-523-4328	REGULATOR, ENGINE GENERATOR: 24 v (P/N VRV6003A)	EA	2	*	*	*	*						
<u>C0603 STARTING MOTOR</u>																
11	P	0	5977-280-6775	BRUSH SET, ELECTRICAL CONTACT: starting motor, service set, 6 per set (P/N MBD1012CS)	SE	2	*	*	2	2			70	12		
9	P	0	2920-640-7280	STARTER, ENGINE, ELECTRICAL: 24 v (P/N MCC4003)	EA	2	*	*	*	*			70			
9	C	0	2920-091-8750	DRIVE, ENGINE, ELECTRICAL: bendix assy (P/N A3045)	EA	2	*	*	*	*			70	4		
	C	0	2920-424-3299	END BELL, ELECTRICAL EQUIPMENT: brush rigging (P/N MBD2079)	EA	2	*	*	*	*			70	18		
	P	0	2920-274-5687	RELAY, SOLENOID (P/N WSE4101AT)	EA	2	*	*	*	*						
	C	0	2920-515-1864	SPRING, SPIRAL, TORSION: brush (P/N MBD19)	EA	12	*	*	*	*			70	17		

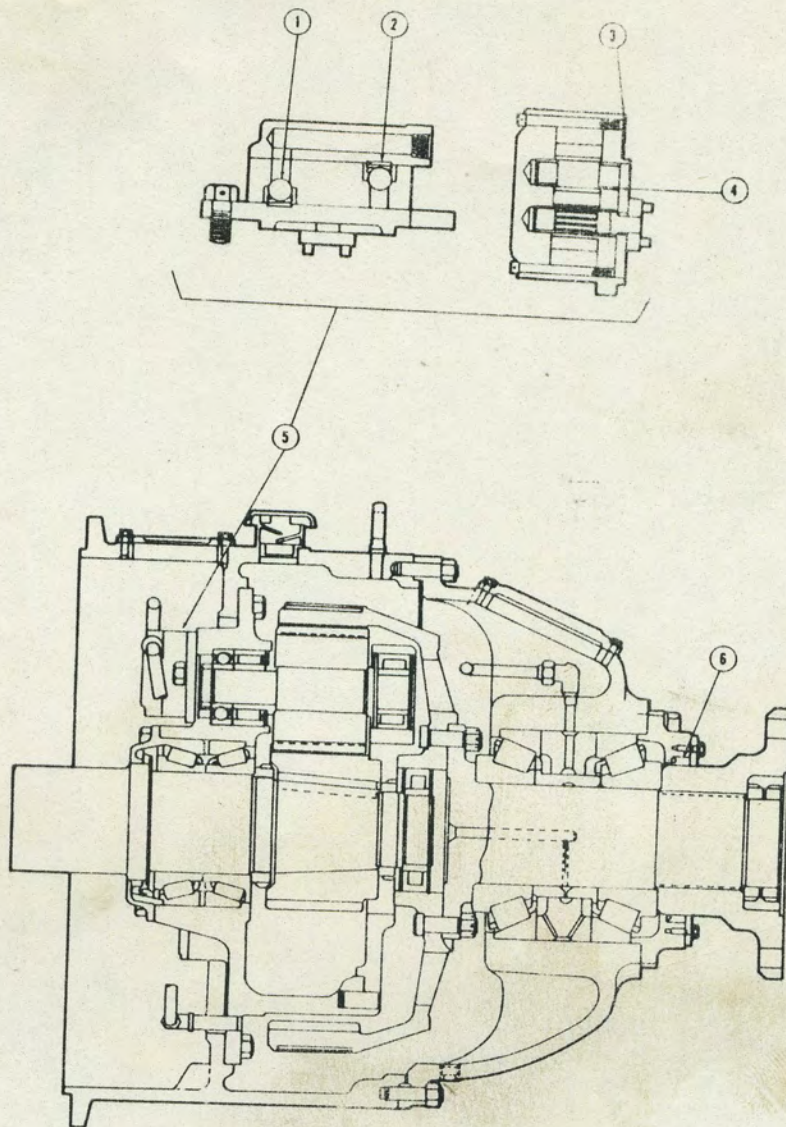


STARTER, ENGINE, ELECTRICAL
 FIGURE 70 ①

1. Washer, Nonmetallic: intermediate
2. Bearing
3. Bearing, Sleeve: intermediate
4. Drive, Engine, Electrical: assy
5. Pinion
6. Spring, Helical, Compression
7. Housing: pinion
8. Bearing, Sleeve: pinion housing
9. Stud: terminal
10. Terminal: lug
11. Frame
12. Brush Set, Electrical Contact
13. Armature
14. Washer, Nonmetallic: thrust
15. Washer
16. Clip: brush holder
17. Spring, Spiral, Torsion: brush
18. End Bell, Electrical Equipment: brush rigging
19. End Bell
20. Wick
21. Cup, Oil Lubricating
22. Bearing, Sleeve: commutator end
23. Gasket: bearing cover to end bell
24. Cover: bearing
25. Band: brush access

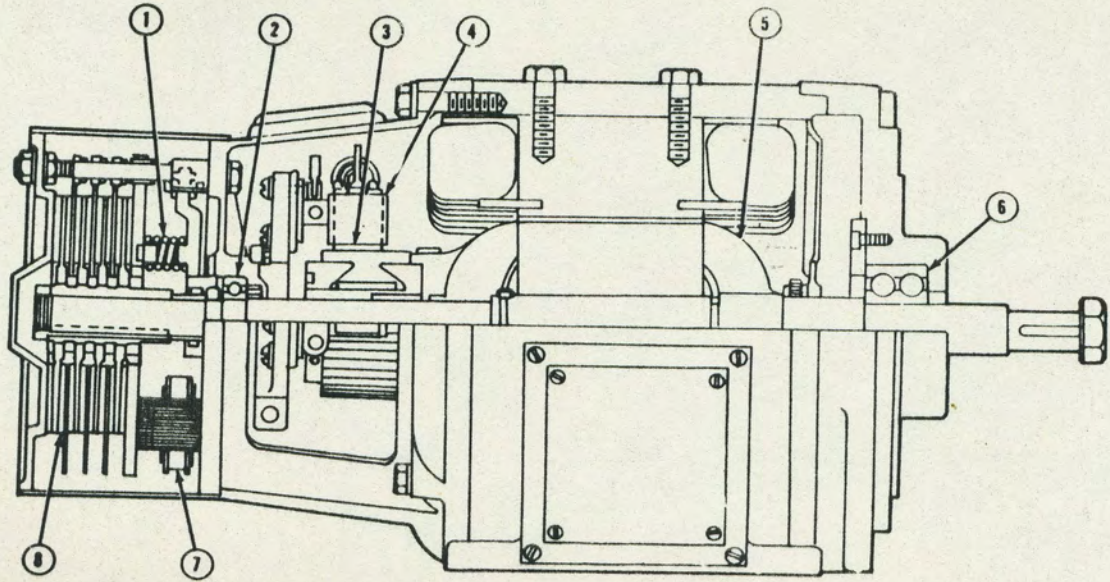
STARTER, ENGINE, ELECTRICAL
 FIGURE 70 (2)

(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TROUBLE SOURCE MAINT RECOV.	LEVEL	RECOV.						2ND ECHELON				FIG NO (A)	ITEM NO (B)	
								1-5	6-20	21-50	51-100			
<u>CO607 INSTRUMENTS</u>														
C	O		6625-632-4668	AMMETER, BATTERY: charging rate 30-0-30 (P/N 7075100)	EA		2	*	*	*	*			
9	P	O	2920-705-1503	SWITCH, ENGINE STARTER, ELECTRICAL (P/N 5199100)	EA		2	*	*	*	*			
<u>CO612 BATTERIES</u>														
9	P	O	6140-184-3409	BATTERY: storage, 8 v, 3 cell, 201 amp hr capacity at 8 hr	EA		6	*	*	*	*			
<u>DO601 GENERATOR</u>														
11	P	O	5977-228-7940	BRUSH, ELECTRICAL CONTACT: battery charging generator, set of 2 (P/N GFL2012S)	SE		1	*	*	1	2	69	28	
9	P	O	2920-294-3927	GENERATOR, ENGINE ACCESSORY: battery charging, 24 v (P/N GFL4811A)	EA		1	*	*	*	*	69		
11	P	O	5977-033-5499	ARM, ELECTRICAL BRUSH (P/N GCJ26)	EA		2	*	*	*	*	69	27	
9	C	O	2920-188-3024	ARMATURE, GENERATOR (P/N GFL2006F)	EA		1	*	*	*	*	69	16	
9	P	O	3110-144-8505	BEARING, BALL, ANNULAR: shaft pulley end (P/N 6203J)	EA		1	*	*	*	1	1	69	8
9	P	O	2920-293-5041	BEARING, SLEEVE: commutator end (P/N GBF79)	EA		1	*	*	*	*	69	24	
	P	O	2920-363-3939	SPRING, HELICAL, TORSION: brush holder (P/N GW45A)	EA		2	*	*	*	*	69	26	
<u>DO602 GENERATOR REGULATOR (VOLTAGE)</u>														
9	P	O	2920-523-4328	REGULATOR, ENGINE GENERATOR: voltage, 24 v (P/N VRV6003A)	EA		1	*	*	*	*			
<u>DO603 STARTING MOTOR</u>														
11	P	O	5977-280-6775	BRUSH, ELECTRICAL CONTACT: starting motor (P/N MBD1012CS)	SE		1	*	*	*	1	1	70	12
9	P	O	2920-640-7280	STARTER, ENGINE, ELECTRICAL: 24 v (P/N MCC4003)	EA		1	*	*	*	*	70		
9	P	O	2920-091-8750	DRIVE, ENGINE, ELECTRICAL: bendix (P/N A3045)	EA		1	*	*	*	*	70	4	
	C	O	2920-424-3299	END BELL, ELECTRICAL EQUIPMENT: brush rigging (P/N MBD2079)	EA		1	*	*	*	*	70	18	
	P	O	2920-274-5687	RELAY, SOLENOID: starter switch (P/N WSE4101AT)	EA		1	*	*	*	*			
	C	O	2920-515-1864	SPRING, SPIRAL, TORSION: brush (P/N MBD19)	EA		6	*	*	*	*	70	17	
<u>DO607 INSTRUMENTS</u>														
	C	O	6625-632-4668	AMMETER, BATTERY: charging generator, 30 amp (P/N 7075100)	EA		1	*	*	*	*			
9	P	O	2920-705-1503	SWITCH, ENGINE STARTER, ELECTRICAL (P/N 5199100)	EA		1	*	*	*	*			
<u>DO612 BATTERIES</u>														
9	P	O	6140-184-3407	BATTERY: storage, 8 v, 3 cell, 201 amp hr capacity at 8 hr	EA		3	*	*	*	*			



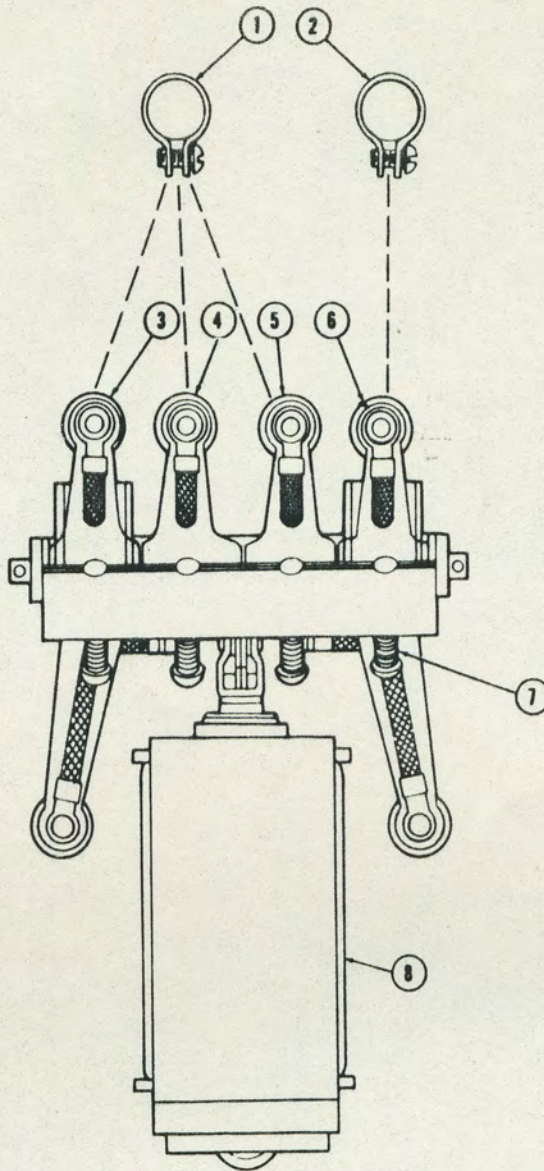
1. Ball: oil pump check valve
2. Spring: oil pump check valve
3. Gasket: oil pump mtg
4. Bearing, Sleeve: oil pump
5. Pump, Oil
6. Seal, Oil Gear: output shaft

REDUCTION GEAR AND OIL PUMP
FIGURE 71



1. Spring, Helical, Compression
2. Bearing, Ball, Annular: field end
3. Brush, Electrical Contact
4. Holder, Electrical Contact Brush
5. Armature, Motor
6. Bearing, Ball, Annular: drive end
7. Coil, Magnetic Brake
8. Lining Assembly

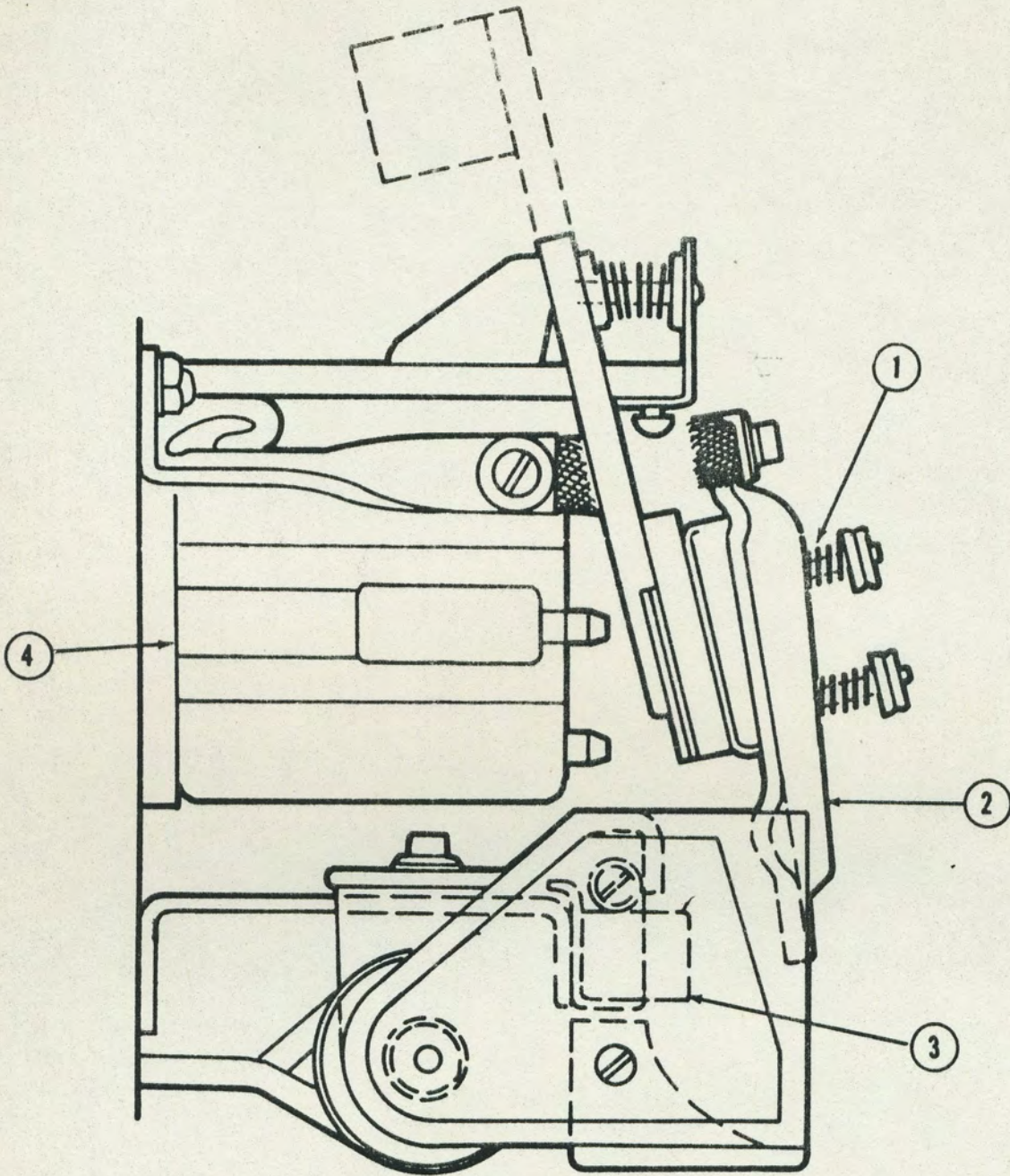
MOTOR, DIRECT CURRENT: w/brake
FIGURE 72



1. Contact, Electrical: stationary, no. 1, 2 & 3
2. Contact, Electrical: stationary, no. 4
3. Contact, Electrical: movable, no. 1
4. Contact, Electrical: movable, no. 2
5. Contact, Electrical: movable, no. 3
6. Contact, Electrical: movable, no. 4
7. Spring, Spiral
8. Coil, Relay

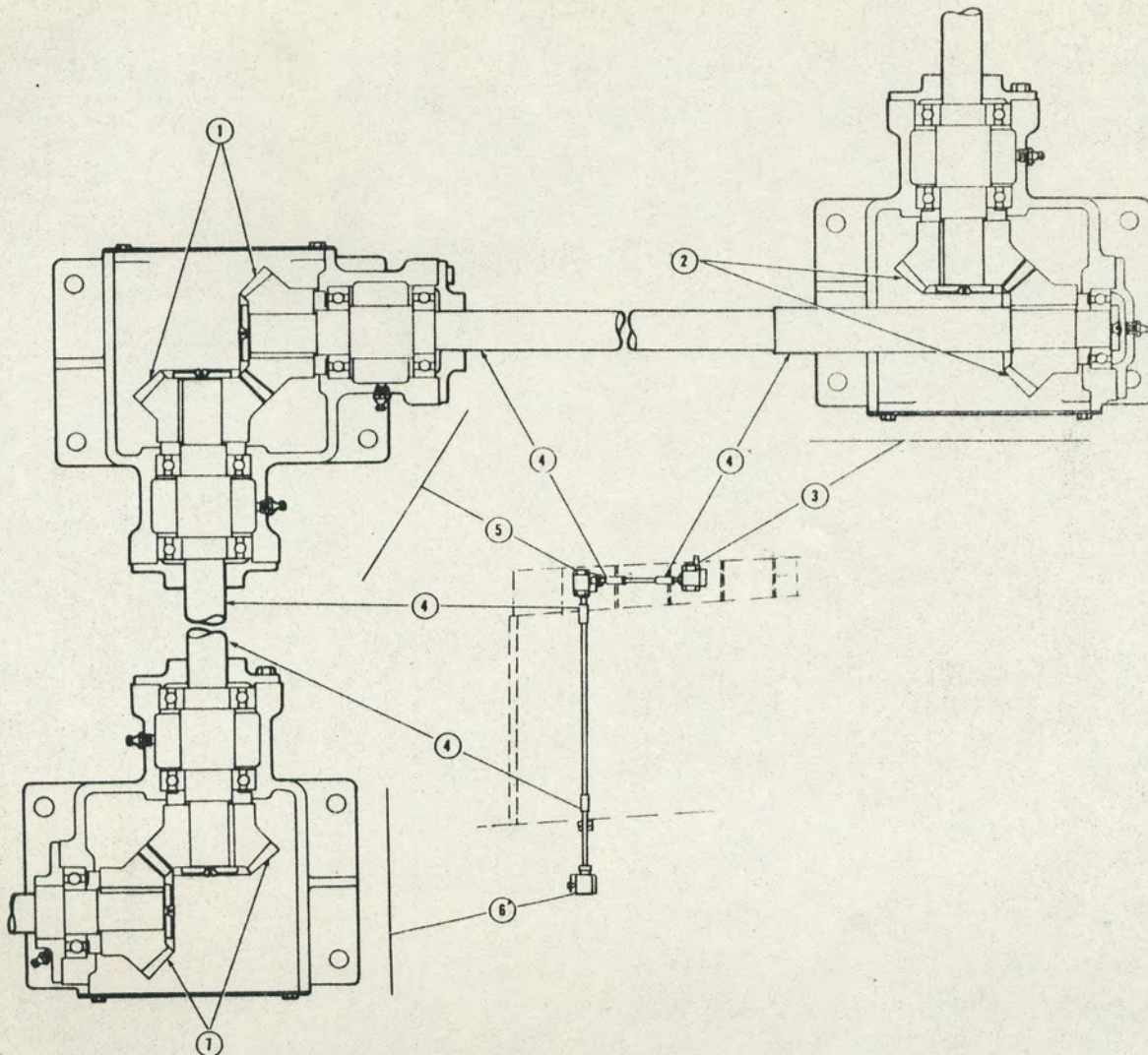
CONTACTOR: accelerating
FIGURE 73

(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MANTY ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TYCLVLC	SOURCE	MAINT LEVEL RECOV.					2ND ECHELON				FIG NO (A)	ITEM NO (B)
							1-5	6-20	21-50	51-100		
<u>1406.01 MOTOR ASSEMBLY (CONTINUED)</u>												
MOTOR, DIRECT CURRENT:												
BRAKE ASSEMBLY: - Continued												
9	C	O	3110-379-2128	BEARING, BALL, ANNULAR: field end (P/N BB305)	EA	1	*	*	1	1	72	2
	P	O	5950-391-2337	COIL, MAGNETIC BRAKE (P/N 3400224)	EA	4	*	*	*	*	72	7
	C	O	6110-323-9799	LINING ASSEMBLY: w/rivets (P/N 4103)	SA	4	*	*	1	1	72	8
	C	O	6105-141-6814	SPRING, HELICAL, COMPRESSION (P/N 19635)	EA	2	*	*	*	*	72	1
11	P	O	5977-280-8509	BRUSH, ELECTRICAL CONTACT (P/N 54527)	EA	4	2	4	6	8	72	3
	P	O	5977-038-0988	HOLDER, ELECTRICAL CONTACT BRUSH (P/N 280057)	EA	4	*	*	*	*	72	4
	C	O	5340-422-5541	SPRING, HOLDER, BRUSH (P/N 26273)	EA	4	*	*	*	*	72	#
<u>1406.02 MOTOR CONTROL ASSEMBLY</u>												
CONTACTOR: accelerating (P/N 118100-4) 1 EA												
	P	O	6105-375-3022	COIL, RELAY: shunt (P/N 1620-29-8350)	EA	1	*	*	*	*	73	8
CONTACT, ELECTRICAL: movable, position												
11	P	O	5945-035-8705	no. 1 (P/N 201-22)	EA	1	*	*	1	1	73	3
11	P	O	5945-035-8706	no. 2 (P/N 201-25)	EA	1	*	*	1	1	73	4
11	P	O	5945-035-8707	no. 3 (P/N 201-27)	EA	1	*	*	1	1	73	5
11	P	O	5945-035-8708	no. 4 (P/N 201-29)	EA	1	*	*	1	1	73	6
CONTACT, ELECTRICAL: stationary, position												
11	P	O	5945-444-7881	no. 1, 2 & 3 (P/N 971-4-1)	EA	3	*	*	2	2	73	1
11	P	O	5945-444-7898	no. 4 (P/N 201-91)	EA	1	*	*	1	1	73	2
	C	O	5340-375-3031	SPRING, SPIRAL: contact (P/N 950-5-8)	EA	4	*	*	*	*	73	7
CONTACTOR: main line (P/N 1623FC55) 1 EA												
	C	O	6105-375-3021	COIL, RELAY: shunt (P/N 3F27-5300)	EA	1	*	*	*	*	74	4
CONTACT, ELECTRICAL: arcing												
11	P	O	5945-035-8693	movable (P/N 301-38)	EA	2	*	*	1	2	74	2
11	P	O	5945-444-7881	stationary (P/N 971-4-1)	EA	2	*	*	1	2	74	3
	P	O	5930-209-7670	SPRING, SPIRAL: contact (P/N 930-5-9)	EA	4	*	*	*	*	74	1
5	P	O	5920-548-3125	FUSE, CARTRIDGE: 10 amp, 250 v, 9/16 in. dia, 2 in. lg (P/N MS90088-9)	EA	4	φ	φ	φ	φ		
5	C	O	6240-143-3060	LAMP, INCANDESCENT: indicating light, 125 v, type 6S6 (P/N MS15567-1)	EA	1	φ	φ	φ	φ		
	C	O	5905-379-2131	RESISTOR, FIXED, WIRE WOUND: accelerating, 1.175 ohm, 170 w (P/N S4T1-175A3)	EA	1	*	*	*	*		
	C	O	5905-379-2132	RESISTOR, VARIABLE: accelerating, 1.175 ohm tapped at 0.783, 170 w (P/N S4T1-175A43)	EA	1	*	*	*	*		
	P	O	5905-379-2133	control, 540 ohm tapped at 250, 170 w (P/N S4T250A290A3)	EA	1	*	*	*	*		



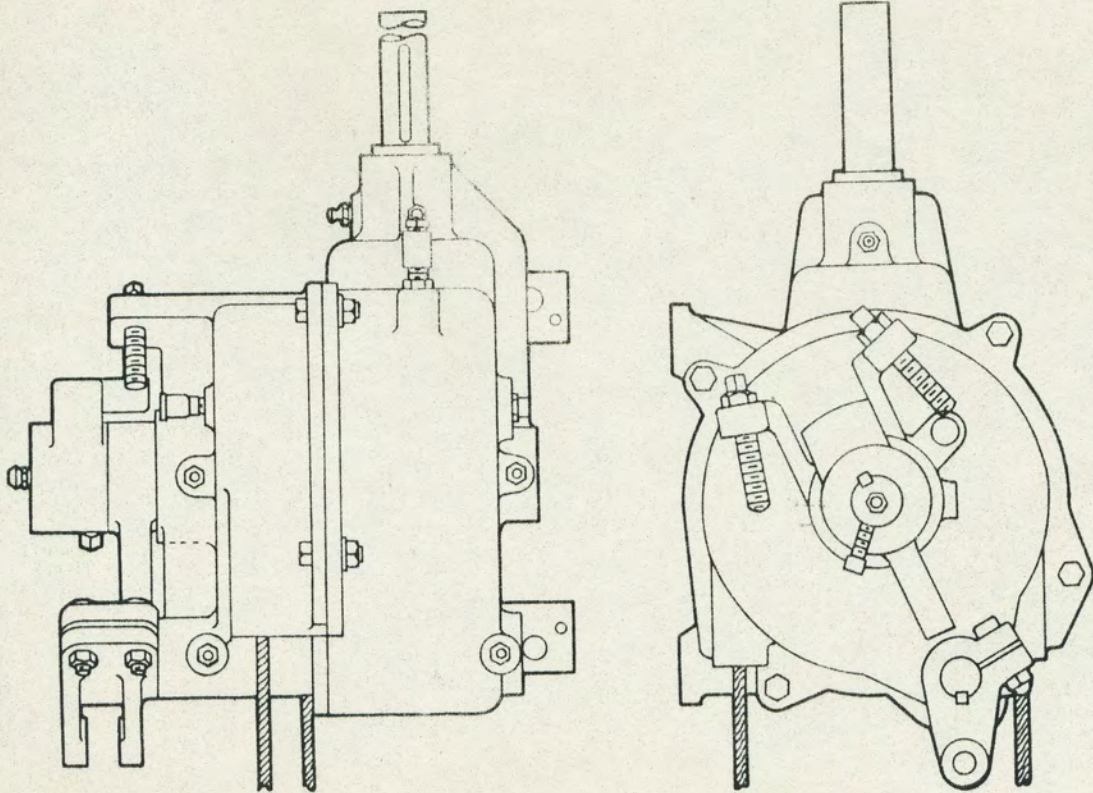
- 1. Spring, Spiral
- 2. Contact, Electrical: movable
- 3. Contact, Electrical: stationary
- 4. Coil, Relay

CONTACTOR: main line
 FIGURE 74



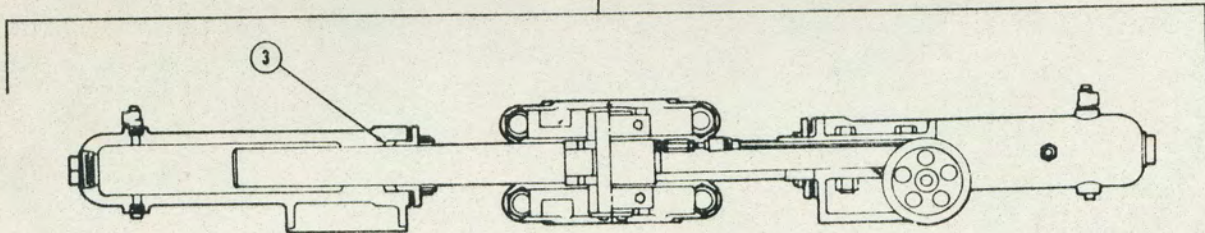
1. Gear, Bevel: intermediate gear box
2. Gear, Bevel: console gear box
3. Gear Box: console
4. Universal Joint
5. Gear Box: intermediate
6. Gear Box: differential
7. Gear, Bevel: differential gear box

STEERING GEAR MECHANISM
FIGURE 75



1

2

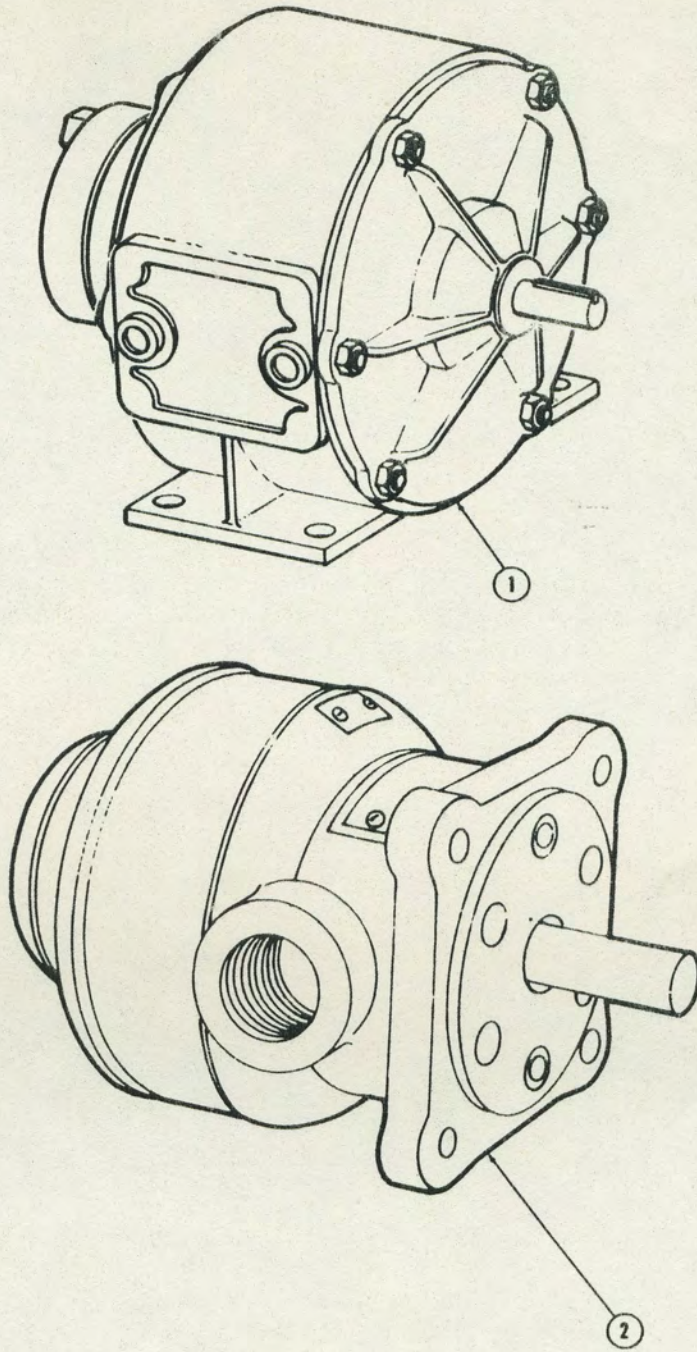


3

- 1. Differential Assembly: control
- 2. Ram, Steering
- 3. Packing Set: steering ram plunger

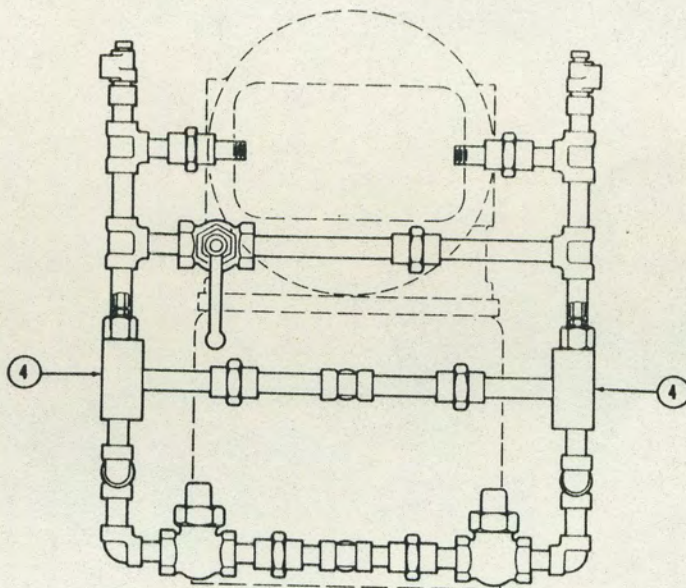
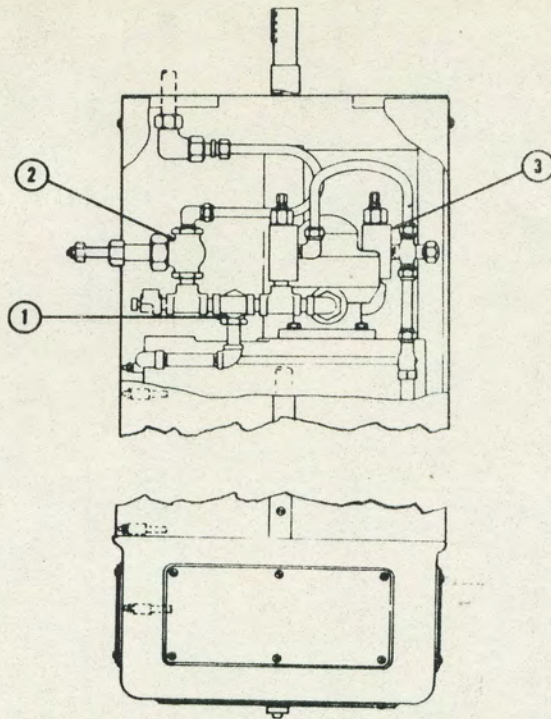
DIFFERENTIAL AND STEERING RAM
FIGURE 76

(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY	(7) 15 DAYS MANTY ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS		
TECHN. SOURCE	MAINT LEVEL	RECOV.						INC	2ND ECHELON				FIG NO	ITEM NO
									1-5	6-20	21-50	51-100		
				<u>1406.02 MOTOR CONTROL ASSEMBLY (CONTINUED)</u>										
P	O		5930-379-2130	SWITCH, PUSHBUTTON: start & stop (P/N 601-2-7)	EA		1	*	*	*	*			
				<u>1406.06 MITER GEAR BOXES, UNIVERSAL JOINTS</u>										
P	O		2030-766-7853	GEAR, BEVEL: miter gear box (P/N MD16-479A) 2 EA at console 2 EA at differential 2 EA intermediate	EA		6	*	*	*	*	75	2	
C	O		5010-305-6587	UNIVERSAL JOINT: control shafts, console to differential assy (P/N MD16-476A)	EA		4	*	*	*	*	75	1	
				<u>1406.07 CONTROLLER ASSEMBLY</u>										
P	O		2030-767-5506	DIFFERENTIAL ASSEMBLY: control (P/N MBL2-119A)	EA		1	*	*	*	*	76	1	
				<u>1406.10 HYDRAULIC RAM ASSEMBLY</u>										
5	C	O	4320-097-0642	PACKING SET: plunger, 3-3/4 in. od, 3 in. id, 1-1/2 in. lg (P/N MDL2-251)	SE		2	*	*	*	1	76	3	
				<u>1408 RUDDER ASSEMBLY</u>										
P	O		3110-227-2905	BEARING, ROLLER, SELF-ALIGNING: rudder post (P/N 23128)	EA		1	*	*	*	*			
C	O		5330-766-7929	SEAL, PLAIN: 6-3/8 in. id, 7-3/8 in. od, 1/2 in. thk, split (P/N 23X3406)	EA		1	*	*	*	1			
				<u>1410 HYDRAULIC PUMP ASSEMBLY</u>										
5	C	O	4320-766-7901	PUMP, HYDRAULIC: power driven, type HP75 (P/N PBL363GA)	EA		1	*	*	*	*	77	1	
5	C	O	4320-097-4246	PUMP, ROTARY: manual drive (P/N QH5F)	EA		1	*	*	*	*	77	2	
				<u>1414 STEERING SYSTEM VALVES</u>										
5	C	O	4820-287-6109	VALVE, CHECK: console hydraulic fluid, 3/8 in. ips (P/N 366E)	EA		2	*	*	*	*	78	1	
5	C	O	4820-303-1294	VALVE, GLOBE: change over, power to manual, 3/8 in. ips (P/N 232H)	EA		2	*	*	*	*	78	2	
5	C	O	4820-767-4287	VALVE, RELIEF: hand pump, set at 500 psi (P/N 1601-3PSI500)	EA		2	*	*	*	*	78	3	
5	C	O	4820-767-4286	main hydraulic system, set at 1800 psi (P/N 1601-3PSI1800)	EA		2	*	*	*	*	78	4	
				<u>GROUP 21 WINDLASS, WINCH, CAPSTAN</u> <u>2101 WINDLASS</u>										
				Note: Give ser no. & complete nameplate data of WINDLASS when requisitioning repair parts.										
P	O	T	3950-391-0985	WINDLASS: Ideal Windlass model TW2CB driven by Star Kimble 5 hp motor	EA		1	*	*	*	*	79		
9	C	O	3110-156-5446	BEARING, BALL, ANNULAR: drive end of motor shaft (P/N 5606)	EA		1	*	*	*	1	80	8	
C	O		3110-156-1798	BEARING, BALL, THRUST: main shaft (P/N MS17161-93)	EA		2	*	*	*	*	80	4	



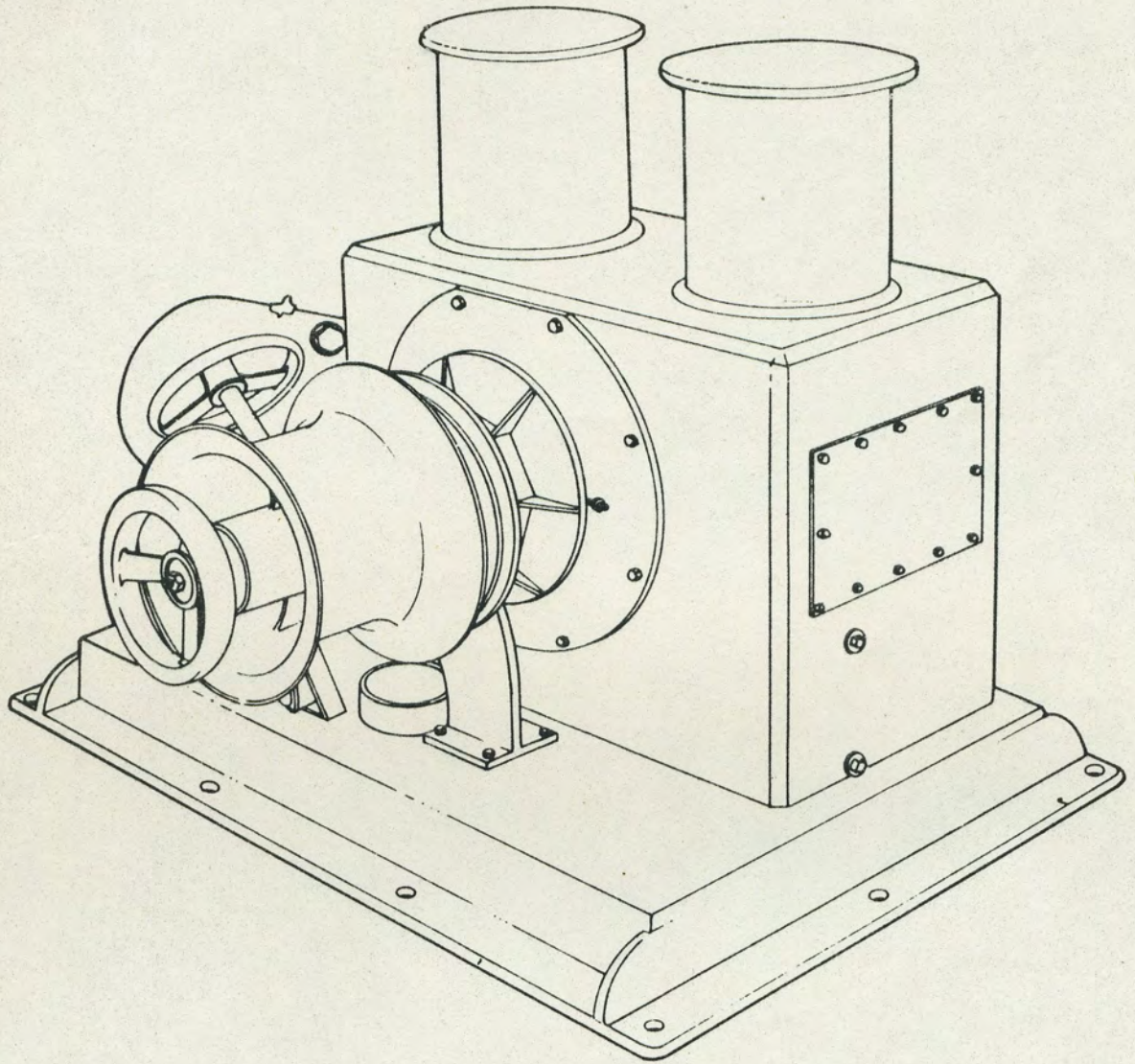
- 1. Pump, Hydraulic: power driven
- 2. Pump, Rotary: manual drive

HYDRAULIC PUMPS
FIGURE 77

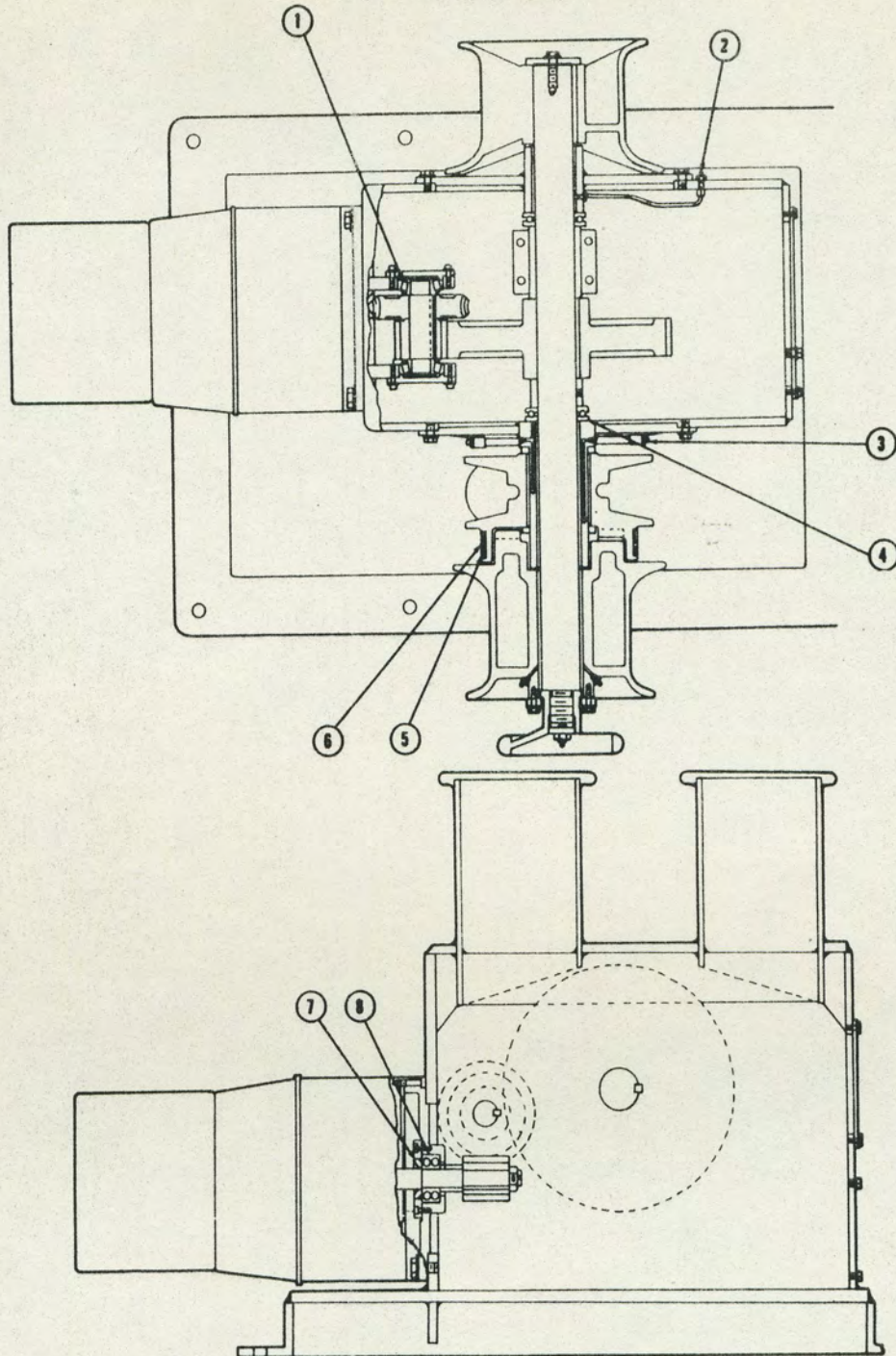


1. Valve, Check: console hydraulic fluid
2. Valve, Globe: power to manual change over
3. Valve, Relief: hand pump
4. Valve, Relief: main hydraulic system

VALVES
FIGURE 78

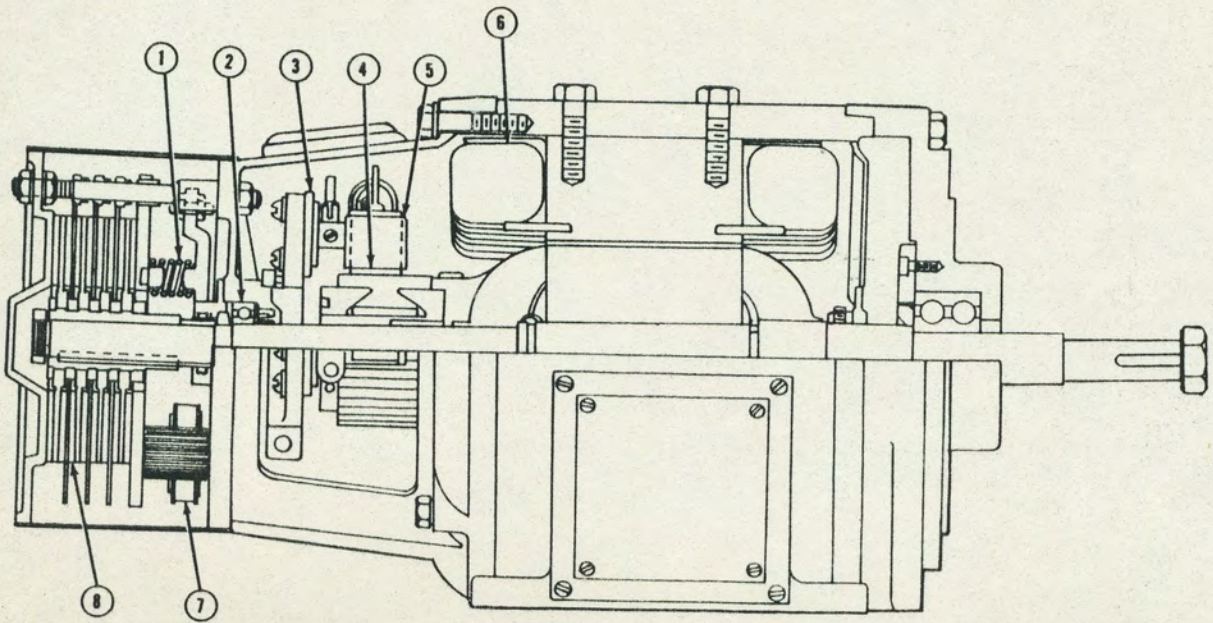


WINDLASS: model TW2CB, w/motor
FIGURE 79



- | | |
|--|--|
| 1. Bearing, Roller, Tapered: jackshaft | 5. Lining, Brake |
| 2. Fitting, Lubrication: winch | 6. Rivet, Tubular |
| 3. Fitting, Lubrication: wild cat | 7. Seal, Plain, Encased |
| 4. Bearing, Ball, Thrust: main shaft | 8. Bearing, Ball, Annular: motor shaft |

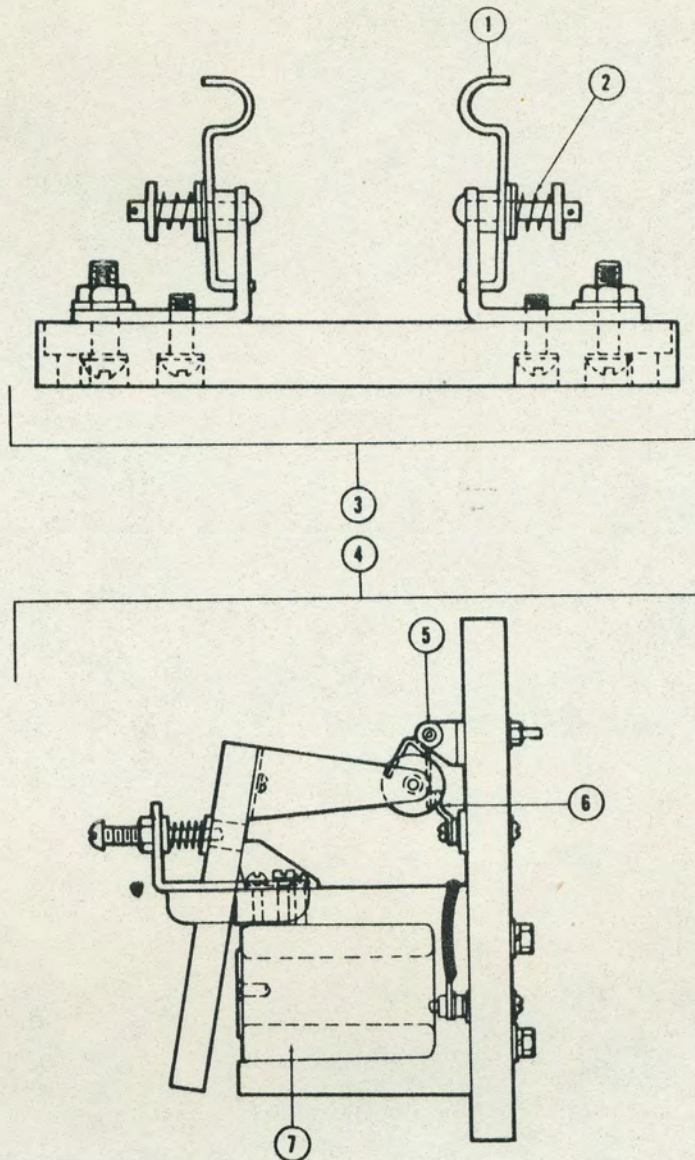
WINDLASS
FIGURE 80



1. Spring, Holder, Brush
2. Bearing, Ball, Annular: field end
3. Insulation: brush holder
4. Brush, Electrical Contact
5. Holder, Electrical Contact Brush
6. Winding, Motor Field
7. Coil, Magnetic Brake
8. Lining, Brake: magnetic

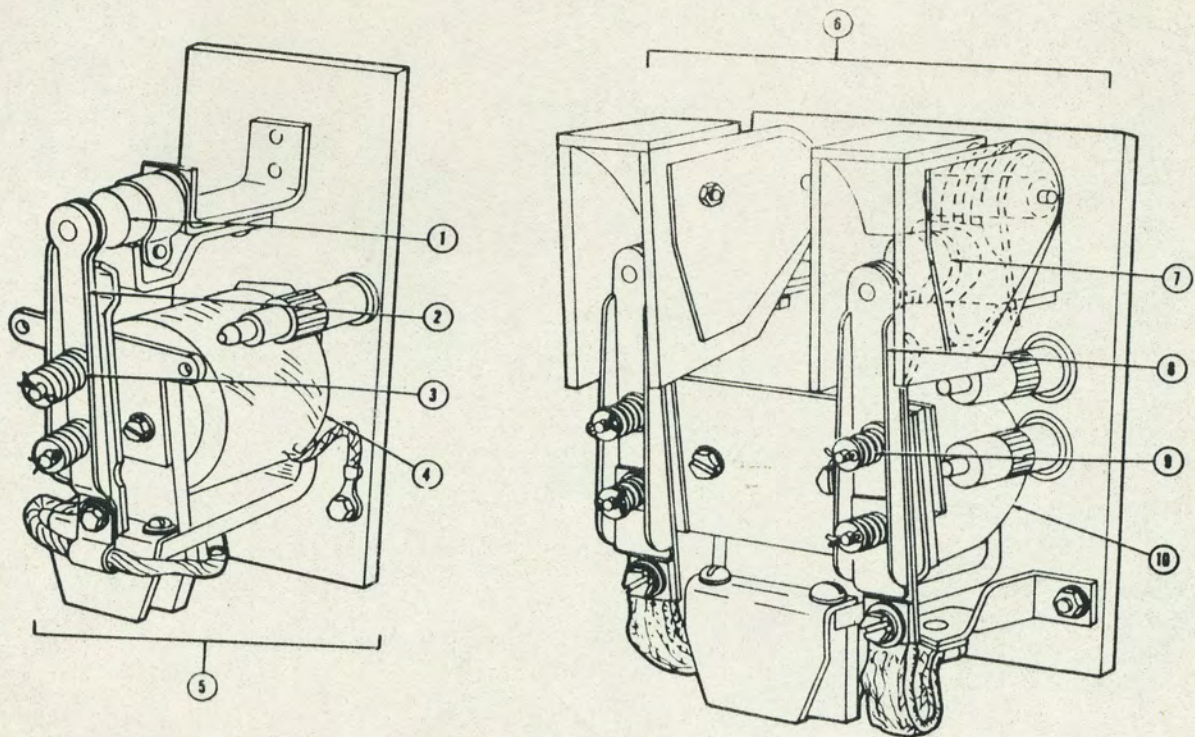
MOTOR, DIRECT CURRENT: w/brake
FIGURE 81

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY	(7) 15 DAYS HADY ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS		
TRC/PLC	SOURCE	MAINT	LEVL	RECOV.				INC	2ND ECHELON				FIG NO	ITEM NO	
									1-5	6-20	21-80	81-100			(A)
<u>2101 WINDLASS (CONTINUED)</u>															
9	C	O			3110-277-0093	WINDLASS: Continued BEARING, ROLLER, TAPERED: Jackshaft (P/N 02476-02420)	EA		2	*	*	*	*	80	1
	P	O			4730-050-4208	FITTING, LUBRICATION: bearing	EA		2	φ	φ	φ	φ	80	3
	C	O			4730-204-1268	wildcat (P/N MS15003-1) winch (P/N 1652)	EA		1	φ	φ	φ	φ	80	2
5	P	O			3950-301-5946	LINING, BRAKE: manual (P/N XHD5-23)	EA		1	*	*	*	*	80	5
	P	O			5320-260-4053	RIVET, TUBULAR: hand brake lining, 5/16 in. dia, 9/16 in. lg	EA		13	φ	φ	φ	φ	80	6
	P	O			5330-559-3098	Note: SEAL, PLAIN ENCASED, P/N 60398 is replaced by SEAL, PLAIN ENCASED, P/N 33S44375-3340. SEAL, PLAIN ENCASED: shaft (P/N 33S44375-3340)	EA		1	*	*	*	1	80	7
<u>2101.01 MOTOR & BRAKE</u>															
	P	O			6105-323-9851	Note: Give ser no. & complete nameplate data of MOTOR, DIRECT CURRENT when requisitioning repair parts. MOTOR, DIRECT CURRENT: Star Kimble 5 hp, w/brake, spec no. 254CW52-1	EA		1	*	*	*	*	81	
9	C	O			3110-155-6200	BEARING, BALL, ANNULAR: field end of motor (P/N 206SF)	EA		1	*	*	*	1	81	2
11	P	O			5977-280-8509	BRUSH, ELECTRICAL CONTACT (P/N 54527)	EA		4	2	4	6	8	81	4
	P	O			6105-323-9850	COIL: interpole (P/N 1131050)	EA		2	*	*	*	*	81	#
	P	O			5950-391-2337	COIL, MAGNETIC BRAKE (P/N 3400224)	EA		4	*	*	*	*	81	7
	P	O			5977-038-0988	HOLDER, ELECTRICAL CONTACT BRUSH (P/N 280057)	EA		2	*	*	*	*	81	5
	P	O			5970-099-1235	INSULATION: brush holder (P/N 268002)	EA		1	*	*	*	*	81	3
5	P	O			3950-301-5947	LINING, BRAKE: magnetic, incl rivets (P/N 4103)	EA		4	*	*	1	1	81	8
	C	O			6105-141-6814	SPRING, HELICAL, COMPRESSION: magnetic brake (P/N 19635)	EA		2	*	*	*	*	81	1
	C	O			5340-422-5541	SPRING, HOLDER, BRUSH (P/N 26273)	EA		4	*	*	*	*	81	#
	C	O			6105-090-2614	WINDING, MOTOR FIELD (P/N 1091011)	EA		2	*	*	*	*	81	6
<u>2101.02 MASTER SWITCH</u>															
	P	O			5930-379-2217	SWITCH, CONTROL: master drum (P/N 9278X2)	EA		1	*	*	*	*		
11	P	O			5930-379-2209	CONTACT, ELECTRICAL (P/N 305-43)	EA		18	*	*	*	*	82	1
11	P	O			5930-379-2214	SPRING, CONTACT FINGER (P/N 930-5-10)	EA		18	*	*	*	*	82	2
<u>2101.03 CONTROL PANEL</u>															
						Note: Give ser no. & complete nameplate data of CONTROLLER when requisitioning repair parts. CONTROLLER: 115 v (P/N 2559-242-101)									1 EA



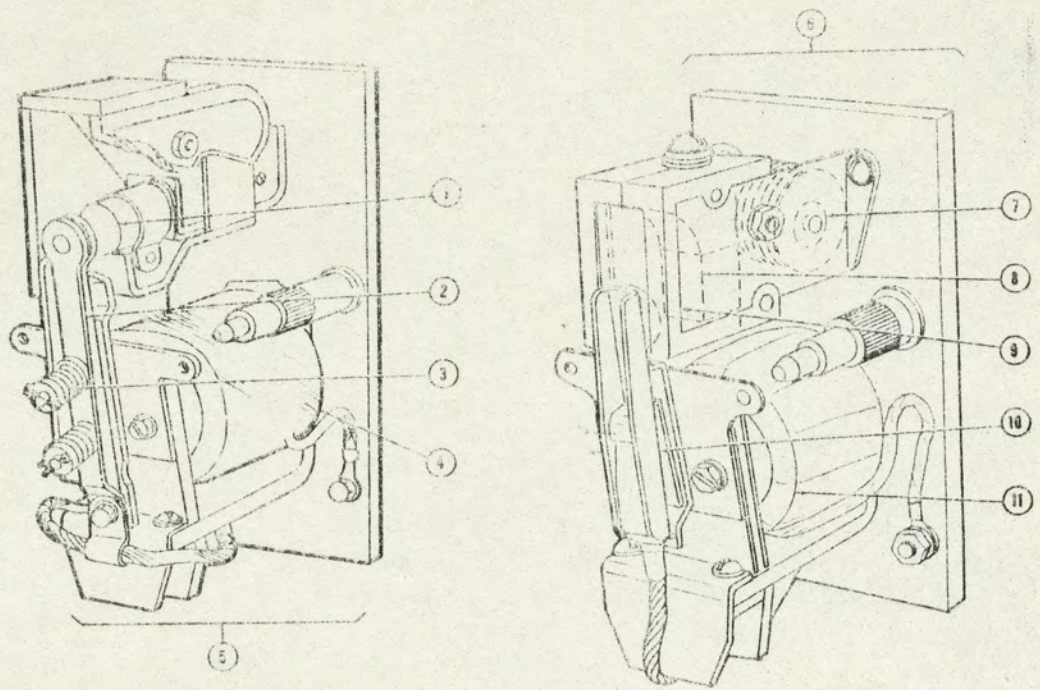
1. Contact, Electrical: contact block
2. Spring, Contact Finger: contact block
3. Contact Block
4. Relay
5. Contact, Electrical: movable, relay
6. Contact, Electrical: stationary, relay
7. Coil, Relay

RELAY AND MASTER SWITCH CONTACT BLOCK
FIGURE 82



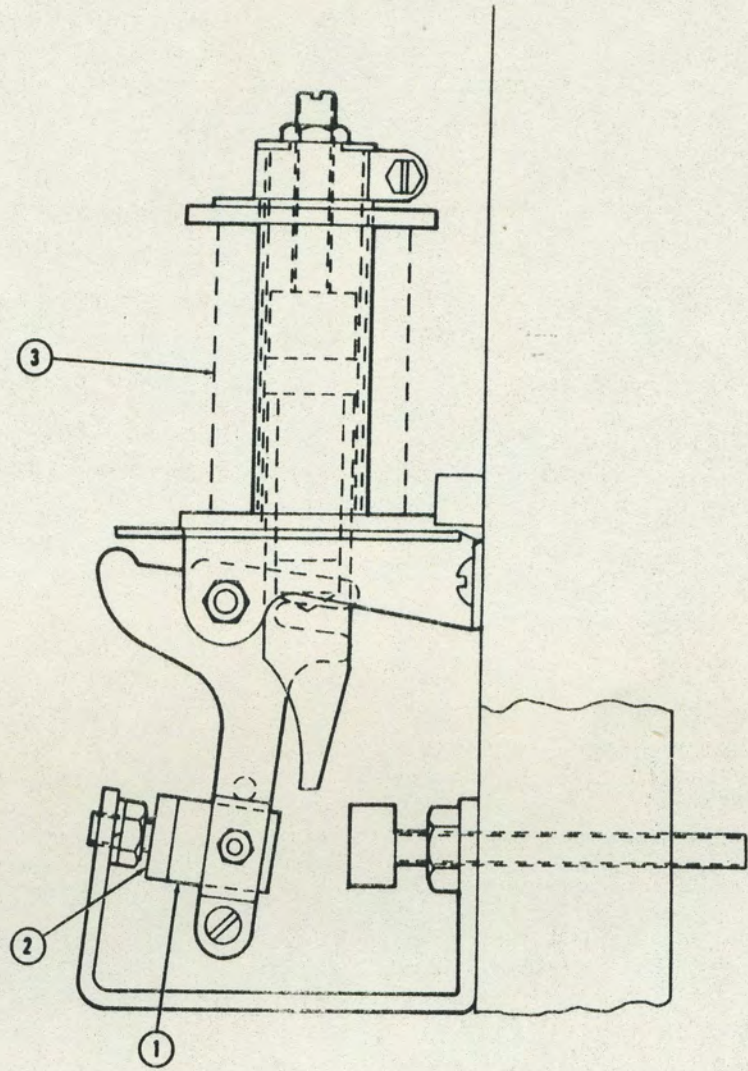
1. Contact, Electrical: stationary, accelerating contactor
2. Contact, Electrical: movable, accelerating contactor
3. Spring, Helical, Compression: contact, accelerating contactor
4. Coil, Relay: accelerating contactor
5. Contactor: accelerating
6. Contactor: line
7. Contact, Electrical: stationary, line contactor
8. Contact, Electrical: movable, line contactor
9. Spring, Helical, Compression: contact, line contactor
10. Coil, Relay: line contactor

CONTACTORS: accelerating & line
FIGURE 83



1. Contact, Electrical: stationary, neg line contactor
2. Contact, Electrical: movable, neg line contactor
3. Spring, Helical, Compression: contact, neg line contactor
4. Coil, Relay: neg line contactor
5. Contactor: neg line
6. Contactor: brake relay
7. Coil, Blowout: brake relay contactor
8. Contact, Electrical: stationary, brake relay contactor
9. Shield, Arc: brake relay contactor
10. Contact, Electrical: movable, brake relay contactor
11. Coil, Relay: brake relay contactor

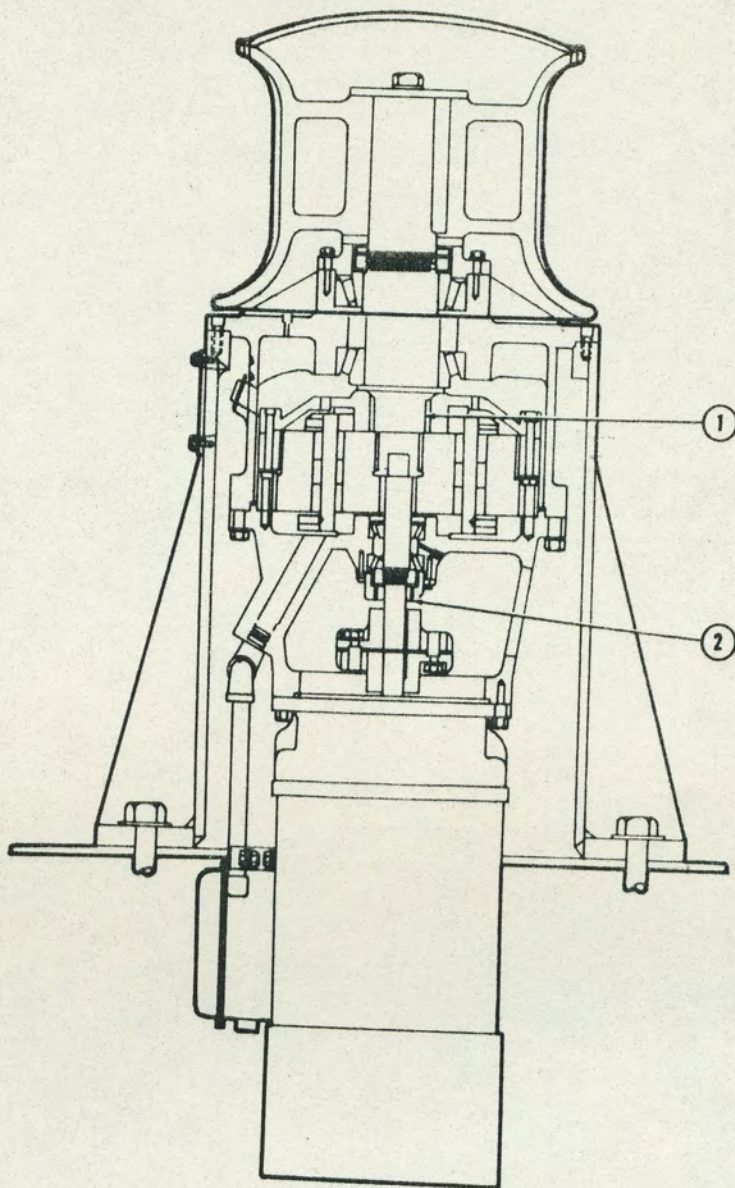
CONTACTORS: neg line & brake relay
 FIGURE 84



- 1. Contact, Electrical: movable
- 2. Contact, Electrical: stationary
- 3. Coil, Relay

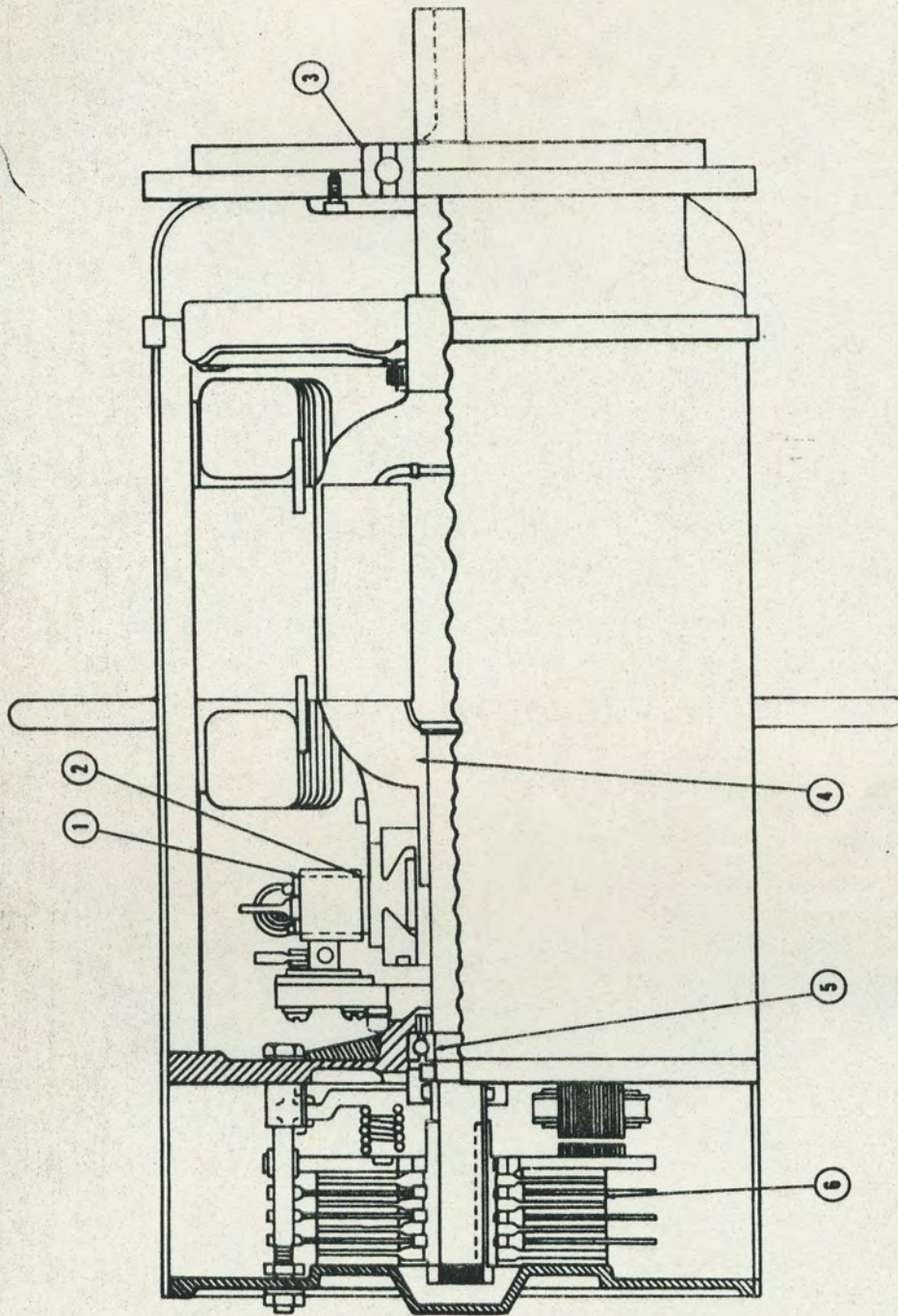
RELAY, JAM
FIGURE 85

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY	(7) 15 DAYS MANTY ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS		
TECHNICAL	SOURCE	MAINT LEVEL	RECOV.					INC	2ND ECHELON				FIG NO	ITEM NO	
									1-5	6-20	21-50	51-100			
									UNIT	1-5	6-20	21-50	51-100	(A)	(B)
<u>2101.03 CONTROL PANEL (CONTINUED)</u>															
CONTROLLER: - Continued															
C	O			5950-391-2346	COIL, RELAY: magnet	EA		3	*	*	*	*		82	7
C	O			6105-375-3021	delayed flux contactor (P/N 3E28-4525)	EA		2	*	*	*	*		83	10
P	O			6105-375-3016	line contactor (P/N 3E27-5300)										
					COIL, RELAY: magnet (P/N 2F29-5500)	EA		5	*	*	*	*		83	4
					4 EA accelerating contactor									84	4
					1 EA neg line contactor										
11	P	O		5945-391-2351	CONTACT, ELECTRICAL: movable	EA		2	*	*	1	2		84	10
					brake & under voltage relay contactor (P/N 300-48)										
5	P	O		5945-391-2353	delayed flux relay, normally open (P/N 3-66)	EA		3	*	*	2	2		82	5
11	P	O		5945-035-8693	CONTACT, ELECTRICAL: movable (P/N 301-38)	EA		7	2	2	4	4		83	2
					4 EA accelerating contactor									83	8
					2 EA line contactor									84	2
					1 EA neg line contactor										
11	P	O		5945-391-2344	CONTACT, ELECTRICAL: stationary	EA		2	*	*	1	2		84	8
					brake & under voltage relay contactor (P/N 971-4-16)										
11	P	O		5945-391-2347	delayed flux relay (P/N 3-75-2)	EA		3	*	*	2	2		82	6
5	P	O		5945-391-2349	jam relay (P/N 973-3-16)	EA		1	*	*	1	1		85	2
11	P	O		5945-444-7881	CONTACT, ELECTRICAL: stationary (P/N 971-4-1)	EA		8	2	2	4	4		83	1
					4 EA accelerating contactor									85	1
					1 EA jam relay									83	7
					2 EA line contactor									84	1
					1 EA neg line contactor										
5	P	O		5920-548-3125	FUSE, CARTRIDGE: 10 amp, 9/16 in. dia, 2 in. lg (P/N MS90088-9)	EA		2	φ	φ	φ	φ			
RESISTOR: control															
C	O			5905-379-2202	(P/N S3T500A1)	EA		1	*	*	*	*			
C	O			5905-379-2200	(P/N S3T500A11)	EA		2	*	*	*	*			
C	O			5905-379-2206	(P/N S3T600A1)	EA		1	*	*	*	*			
RESISTOR: starting															
C	O			5905-283-8115	(P/N 1000-185-0505)	EA		1	*	*	*	*			
C	O			5905-379-2207	(P/N 1000-185-1205)	EA		2	*	*	*	*			
P	O			5905-367-2640	(P/N 1000-185-2005)	EA		2	*	*	*	*			
P	O			5905-367-9143	RESISTOR, FIXED: starting (P/N 1000-185-3005)	EA		4	*	*	*	*			
RESISTOR, VARIABLE: control															
C	O			5905-379-2201	120/120 ohm (P/N S3T120A120A33)	EA		1	*	*	*	*			
11	P	O		5905-379-2199	120/500 ohm (P/N S3T120A500A33)	EA		1	*	*	*	*			
C	O			5905-379-2204	350/250 ohm (P/N S3T350A250A3)	EA		1	*	*	*	*			
C	O			5905-379-2205	350/350 ohm (P/N S3T350A350A3)	EA		2	*	*	*	*			
C	O			5905-379-2203	500/250 ohm (P/N S3T500A250A3)	EA		1	*	*	*	*			
P	O			5930-209-7670	SPRING, HELICAL, COMPRESSION: contact (P/N 930-5-9)	EA		14	*	*	*	*		83	3
					8 EA accelerating contactor									83	9
					4 EA line contactor									84	3
					2 EA neg line contactor										



- 1. Seal, Plain Encased: low speed shaft
- 2. Seal, Plain Encased: high speed shaft

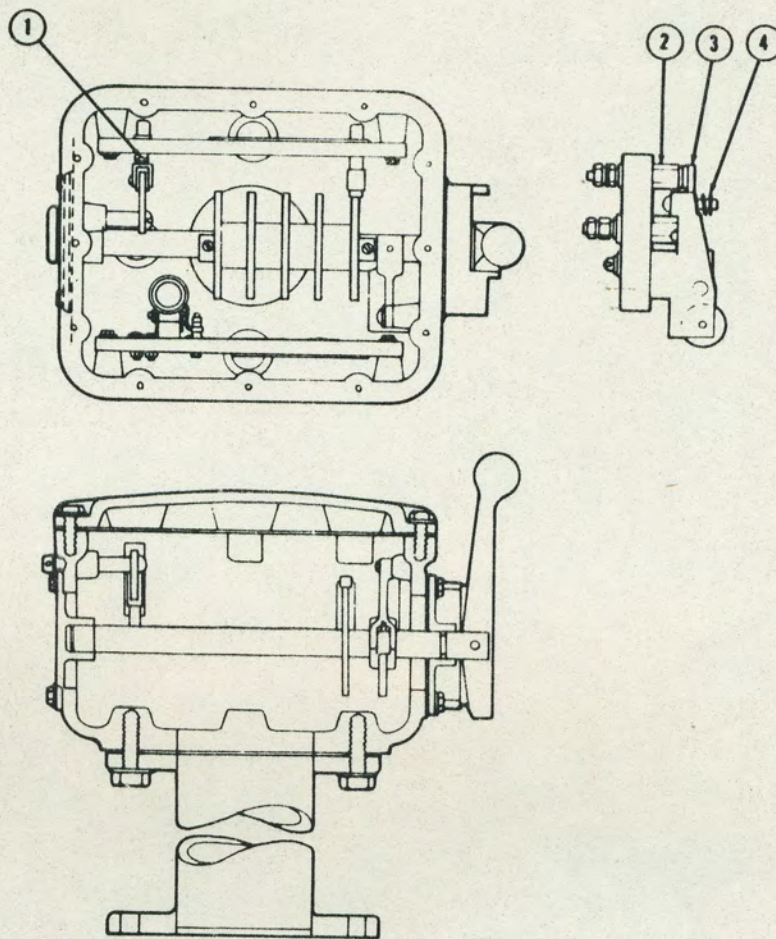
CAPSTAN: model D6292
FIGURE 86



- 1. Holder, Electrical Contact Brush
- 2. Brush, Electrical Contact
- 3. Bearing, Ball, Annular: coupling end
- 4. Armature, Motor
- 5. Bearing, Ball, Annular: brake end
- 6. Lining Assembly

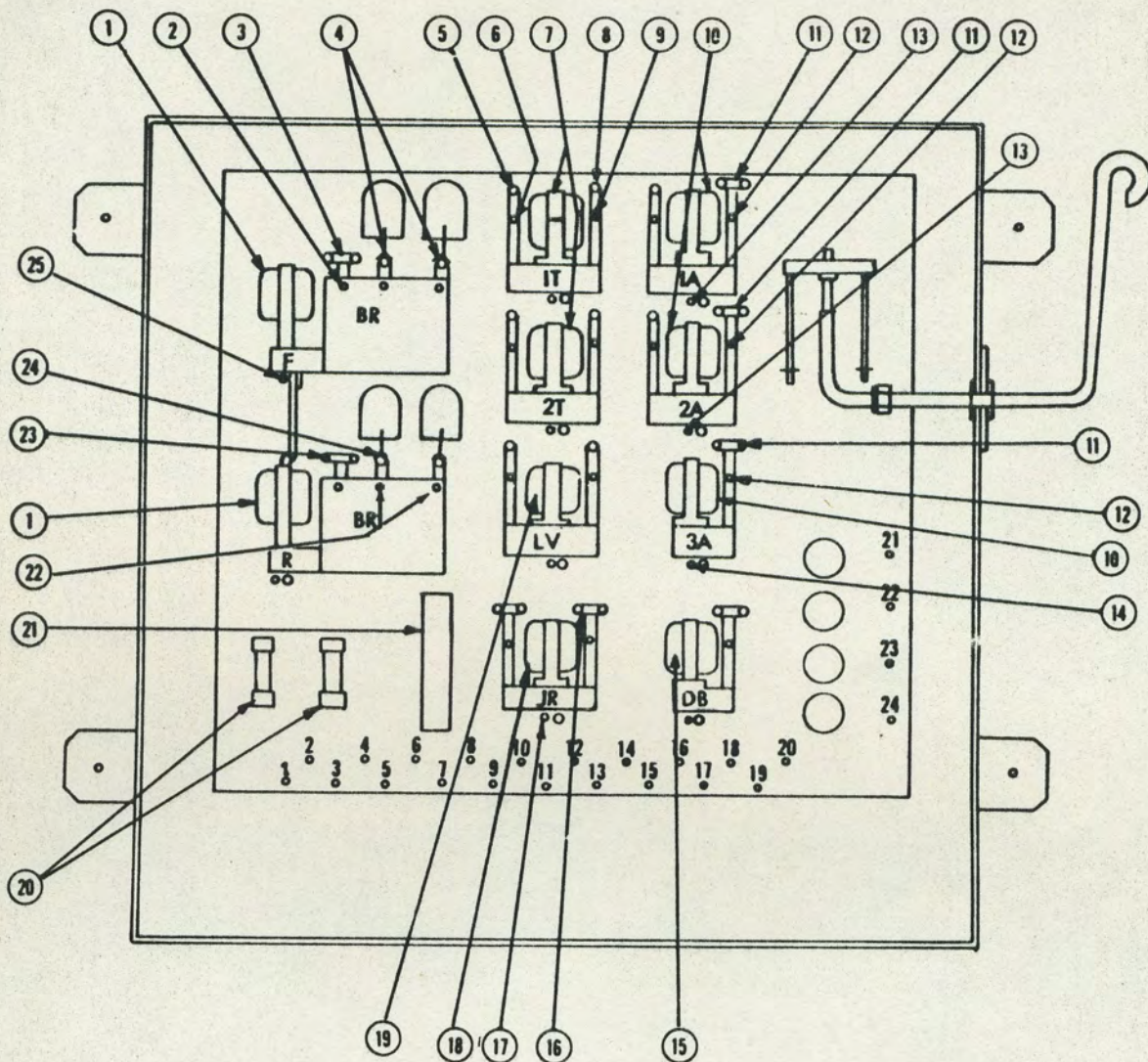
MOTOR, DIRECT CURRENT: w/brake
FIGURE 87

(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER		(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MARK ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) PLUS-VARIATIONS				
TECHNICAL SOURCE MAINT RECDY.	PLANT LEVEL	FEDERAL STOCK NUMBER	DESCRIPTION					UNIT OF ISSUE	EXPENDABILITY	QTY INC IN UNIT	2-70 10-80 21-50 51-100				FIG NO	ITEM NO
											1-5	6-20	21-50	51-100		
				<u>2120 CAPSTAN</u>												
				Note: The following item was originally manufactured by Marine Mfg & Supply Co. When requisitioning repair parts refer to New England Trawler Equipment Co & give ser no. & complete nameplate data of CAPSTAN & components.												
5	PL	O	T	3950-049-8094	CAPSTAN: New England Trawler Equipment Co model D6292 driven by Star Kimble 3 hp motor	EA	1						86			
				Note: SEAL, PLAIN ENCASED, P/N D6292-45 is replaced by SEAL, PLAIN ENCASED, P/N 33844383-25.												
	P	O		5330-576-3131	SEAL, PLAIN ENCASED: high speed shaft (P/N 33844383-25)	EA	2			2	2		86	2		
				Note: SEAL, PLAIN ENCASED, P/N D6292-7 is replaced by SEAL, PLAIN ENCASED, P/N 33844384-1445.												
	P	O		5330-836-2019	SEAL, PLAIN ENCASED: low speed shaft (P/N 33844384-1445)	EA	1			1	1		86	1		
				<u>2120.01 MOTOR & BRAKE</u>												
				Note: Give ser no. & complete nameplate data of MOTOR, DIRECT CURRENT when requisitioning repair parts.												
	PL	O	T	6105-323-9856	MOTOR, DIRECT CURRENT: 3 hp, 115 v, frame CB224, w/brake (P/N M224CD92-1)	EA	1						87			
5	C	O		6105-766-7974	ARMATURE, MOTOR (P/N E224C2-24)	EA	1						87	4		
9	C	O		3110-155-6198	BEARING, BALL, ANNULAR: shaft	EA	1				1		87	5		
9	C	O		3110-155-6201	brake end (P/N CAAX3EF) coupling end (P/N CAAX3EG)	EA	1				1		87	3		
11	P	O		5977-280-8509	BRUSH, ELECTRICAL CONTACT (P/N 54527)	EA	4	2	4	6	8		87	2		
	P	O		5977-038-0988	HOLDER, ELECTRICAL CONTACT BRUSH (P/N 260057)	EA	4						87	1		
	C	O		6110-323-9799	LINING ASSEMBLY: incl rivets (P/N 4103)	EA	4			1	1		87	6		
	C	O		5340-422-5541	SPRING, HOLDER, BRUSH (P/N 26273)	EA	8						87	#		
				<u>2120.02 MASTER SWITCH</u>												
5	PL	O		5930-766-7953	SWITCH: master control (P/N D6325)	EA	1						88			
	C	O		5930-379-2226	CONTACT, ELECTRICAL: movable (P/N D6325-14)	EA	8	2	2	4	4		88	3		
	C	O		5930-379-2227	CONTACT, STATIONARY (P/N D6325-13)	EA	16	4	4	8	8		88	2		
				SPRING:												
	C	O		5340-303-1320	contact arm (P/N D6325-46)	EA	8						88	1		
	C	O		5340-303-1318	contact finger (P/N D6325-15)	EA	8						88	4		
				<u>2120.03 CONTROL PANEL</u>												
				CONTROLLER: 115 v, dc, model C6674	1 EA											



- 1. Spring: contact arm
- 2. Contact, Stationary
- 3. Contact, Electrical: movable
- 4. Spring: contact finger

SWITCH
FIGURE 88

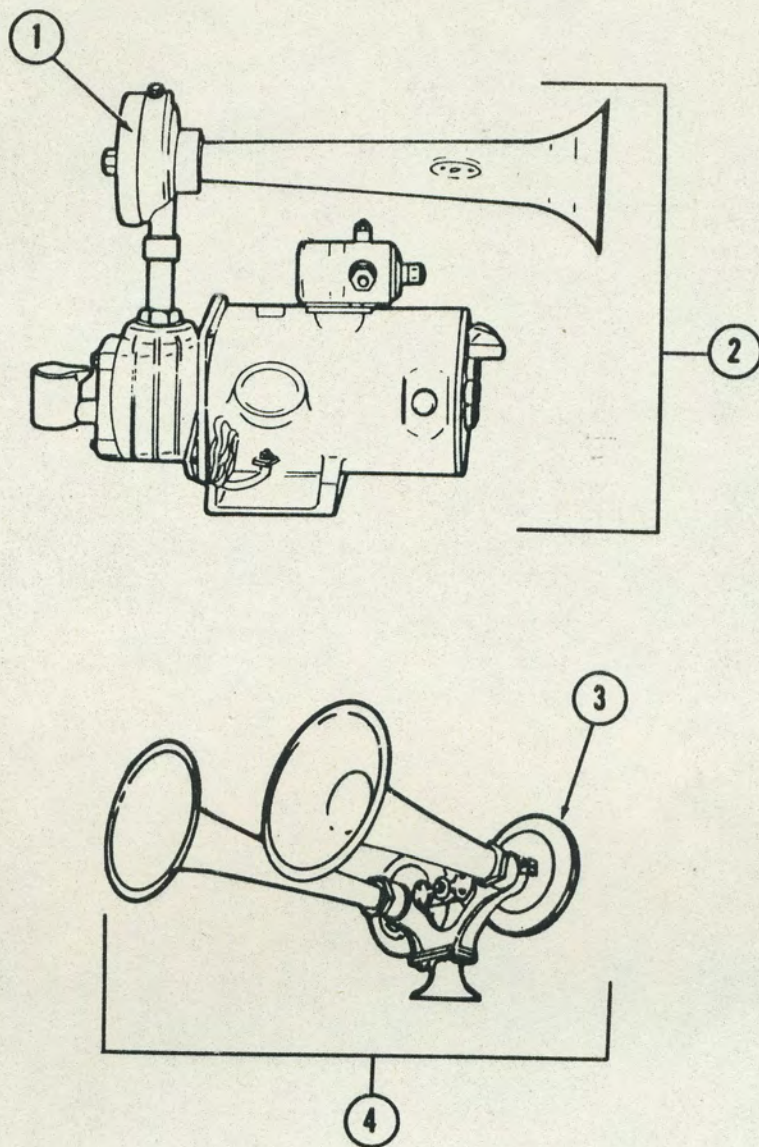


CONTROLLER: model C6674
 FIGURE 89 (1)

1. Coil, Relay: forward & reverse
2. Spring, Contact: heel, forward & reverse contactors, auxiliary
3. Contact, Electrical: movable, forward & reversing, auxiliary
4. Contact, Electrical: movable, forward & reversing contactors
5. Contact, Electrical: movable, normally closed, timing relay
6. Spring: normally closed contact, timing relay
7. Coil, Relay: timing
8. Contact, Electrical: movable, normally open, timing relay
9. Spring, Timing Relay: normally open contact
10. Coil, Contactor: accelerator
11. Contact, Electrical: movable, normally open, accelerator contactor
12. Spring: normally open contacts, accelerating contactors
13. Spring: heel, 1st & 2nd accelerating contactor
14. Spring: heel, 3rd accelerating contactor
15. Coil, Contactor: armature shunt
16. Contact, Electrical: movable, normally closed, jamming relay
17. Spring, Relay: heel, jamming
18. Coil, Relay: jamming
19. Coil, Contactor: low voltage relay
20. Fuse, Cartridge
21. Resistor, Panel Board
22. Spring, Contact: heel, forward & reverse contactors, main
23. Contact, Electrical: stationary, forward & reverse, auxiliary
24. Contact, Electrical: stationary, forward & reverse
25. Spring: heel, forward & reverse contactor

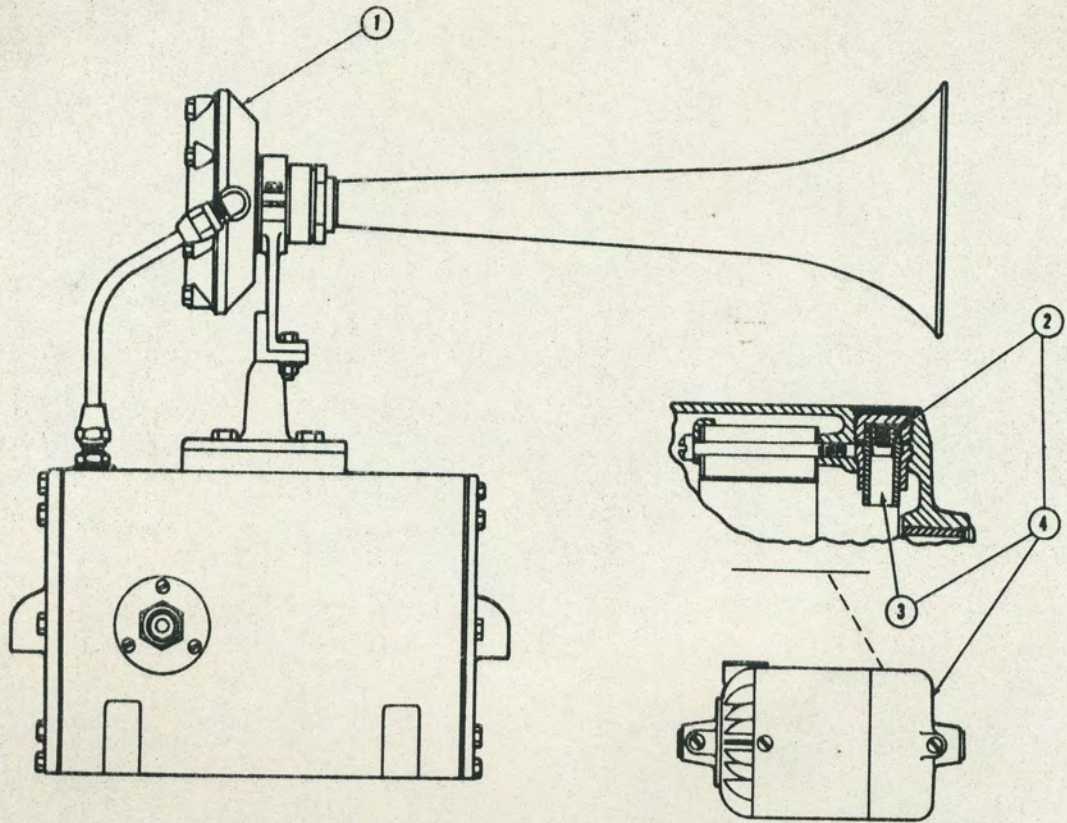
CONTROLLER: model C6674
 FIGURE 89 (2)

(1) SOURCE MAINT & REC'D CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TRK/PLC	SOURCE	MAINT LEVEL	REC'DY.				2ND ECHELON				FIG NO (A)	ITEM NO (B)
							1-5	6-20	21-50	51-100		
			<u>2120.03 CONTROL PANEL (CONTINUED)</u>									
11	P	O	5945-391-2378	CONTROLLER: - Continued SPRING: heel (P/N C6674-5) 1 EA armature shunting contactor 2 EA forward & reverse contactor 1 EA low voltage relay 1 EA timing relay	EA	5	*	*	*	*	89	/
11	P	O	5945-391-2380	SPRING: normally closed contact (P/N C6674-11) 2 EA accelerating contactors 2 EA low voltage relay 2 EA timing relay	EA	6	*	*	*	*	89	/
	C	O	5340-303-1314	SPRING: normally open contacts (P/N C6674-16) 3 EA accelerating contactors 1 EA armature shunting contactor 2 EA jamming relay	EA	6	*	*	*	*	89	12
11	P	O	5945-765-4491	SPRING, CONTACT: heel, forward & reverse contactors (P/N C6674-2) 2 EA auxiliary 4 EA main	EA	6	*	*	*	*	89	2
11	P	O	5945-391-2381	SPRING, RELAY: heel, jamming (P/N C6674-22)	EA	1	*	*	*	*	89	17
11	P	O	5945-766-8668	SPRING, TIMING, RELAY: normally open contact (P/N C6674-10)	EA	2	*	*	*	*	89	9
			<u>GROUP 22 MISCELLANEOUS HULL & ACCESSORY ITEMS</u> <u>2202 ACCESSORY ITEMS</u> <u>2202.01 AIR HORN & WINDSHIELD WIPERS</u>									
			Note: The following 3 items are u/o hull no. ST1978 thru ST1986.									
5	P	O	6350-368-4007	HORN, FLUID OPERATED: incl compressor & motor (P/N EPS1F)	EA	1	*	*	*	*	90	2
11	P	O	5977-097-0694	BRUSH, ELECTRICAL CONTACT: motor (P/N EPLITEM23)	EA	2	1	1	2	2	90	/
	C	O	6320-300-8430	DIAPHRAGM, HORN: fog & air (P/N EPLITEM7)	EA	1	*	*	*	*	90	1
			Note: The following 7 items are u/o hull no. ST1989 thru ST1993 & ST2007.									
5	P	O	6350-766-7986	HORN, FLUID OPERATED: air horn, model D-1 (P/N P130-5)	EA	1	*	*	*	*	90	4
5	C	O	2815-766-7859	DIAPHRAGM (P/N P28-5)	EA	2	*	*	*	*	90	3
5	P	O	6350-766-7987	HORN, FLUID OPERATED: fog horn, model S1 (P/N P130-6)	EA	1	*	*	*	*	91	
5	C	O	6350-767-5055	COMPRESSOR, AIR HORN: incl motor (P/N W28-1)	EA	2	*	*	*	*	91	4
11	P	O	5977-766-7952	BRUSH, ELECTRICAL CONTACT: motor (P/N R455-0503)	EA	4	2	4	6	8	91	3
	C	O	5340-766-7926	SPRING, HELICAL, COMPRESSION: brush (P/N R735-0055)	EA	4	*	*	*	*	91	2
5	C	O	2815-766-7859	DIAPHRAGM (P/N P28-5)	EA	1	*	*	*	*	91	1
	P	O	2090-691-5660	WIPER, WINDSHIELD: 115 v (P/N KS1385WD26)	EA	1	*	*	*	*	92	



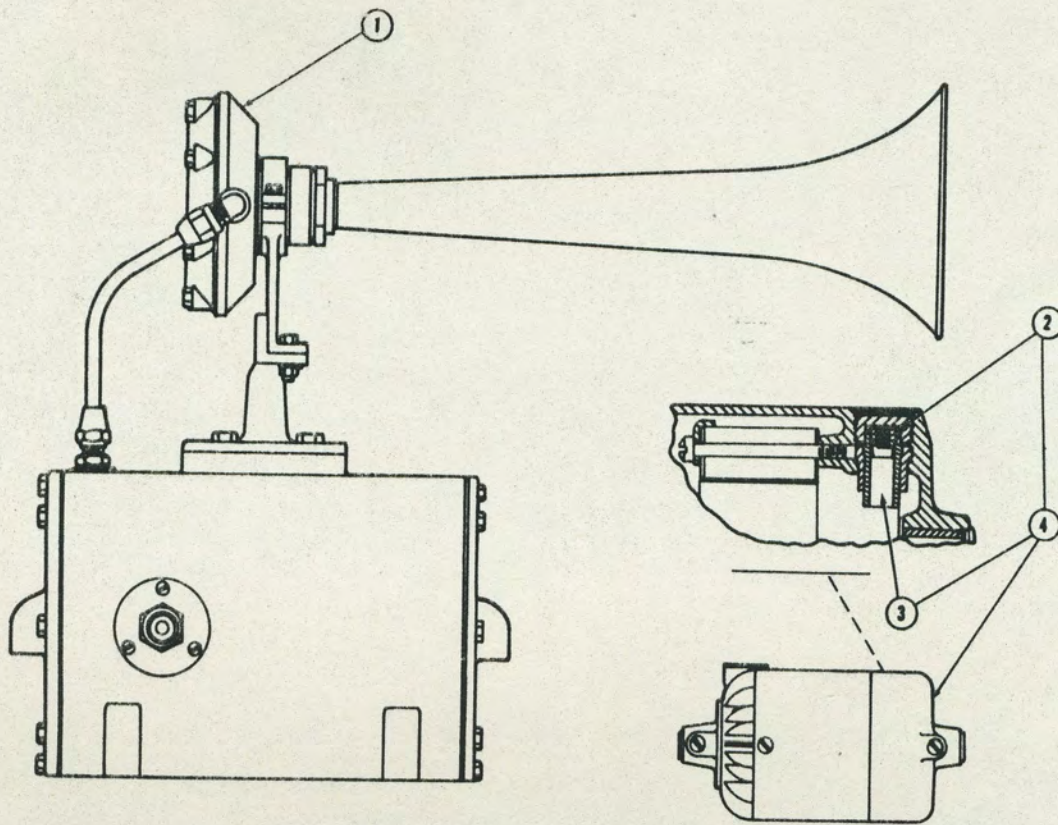
1. Diaphragm, Horn: fog & air
2. Horn, Fluid Operated: incl compressor & motor
3. Diaphragm: model D-1 air horn
4. Horn, Fluid Operated: model D-1

HORNS
FIGURE 90



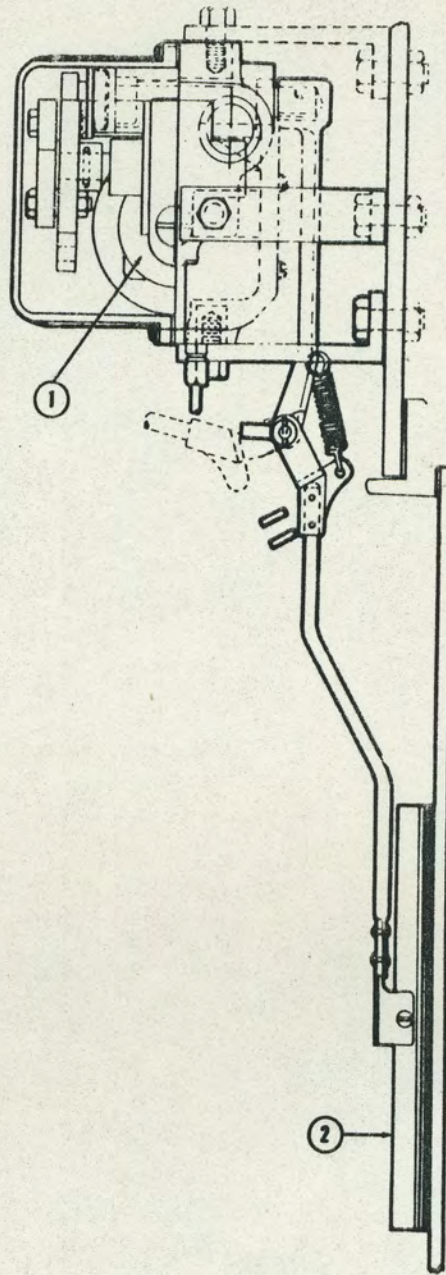
1. Diaphragm
2. Spring, Helical, Compression
3. Brush, Electrical Contact
4. Compressor, Air Horn

HORN, FLUID OPERATED: model S1
FIGURE 91



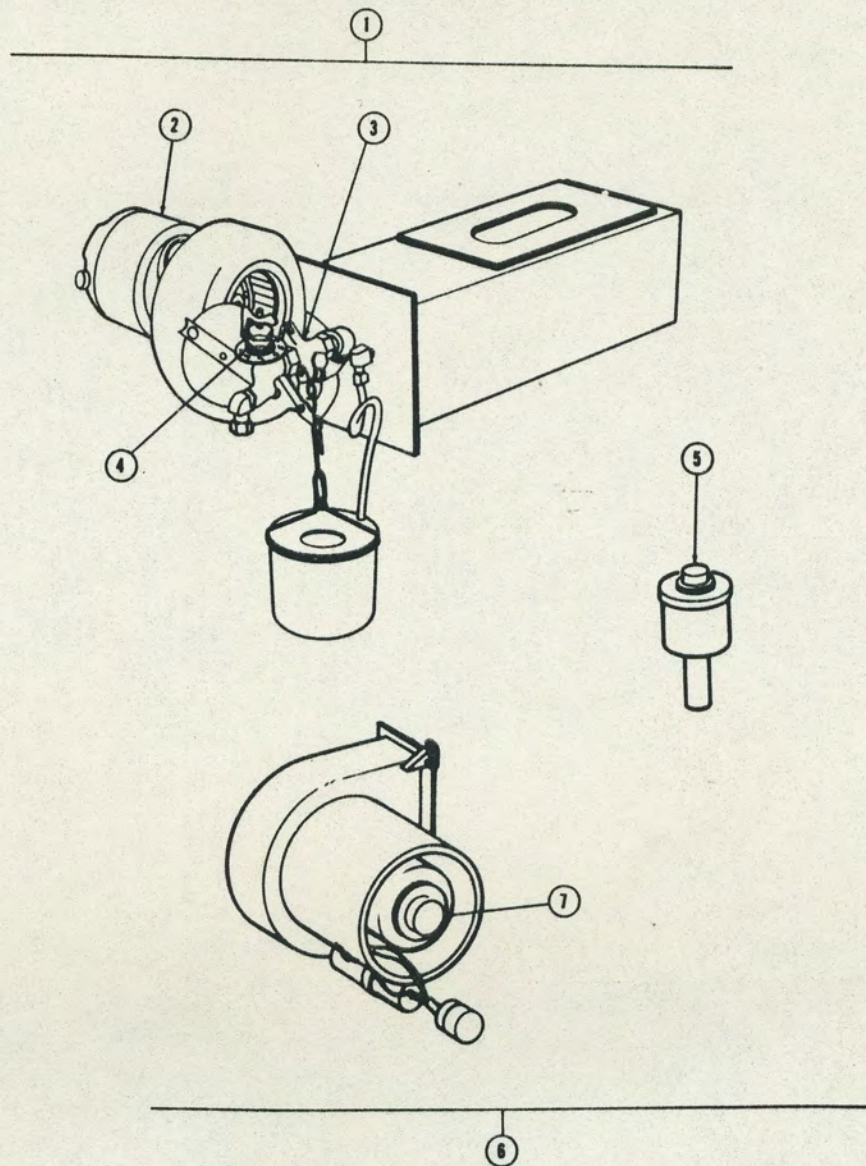
- 1. Diaphragm
- 2. Spring, Helical, Compression
- 3. Brush, Electrical Contact
- 4. Compressor, Air Horn

HORN, FLUID OPERATED: model S1
FIGURE 91



- 1. Motor, Windshield Wiper
- 2. Blade, Windshield Wiper

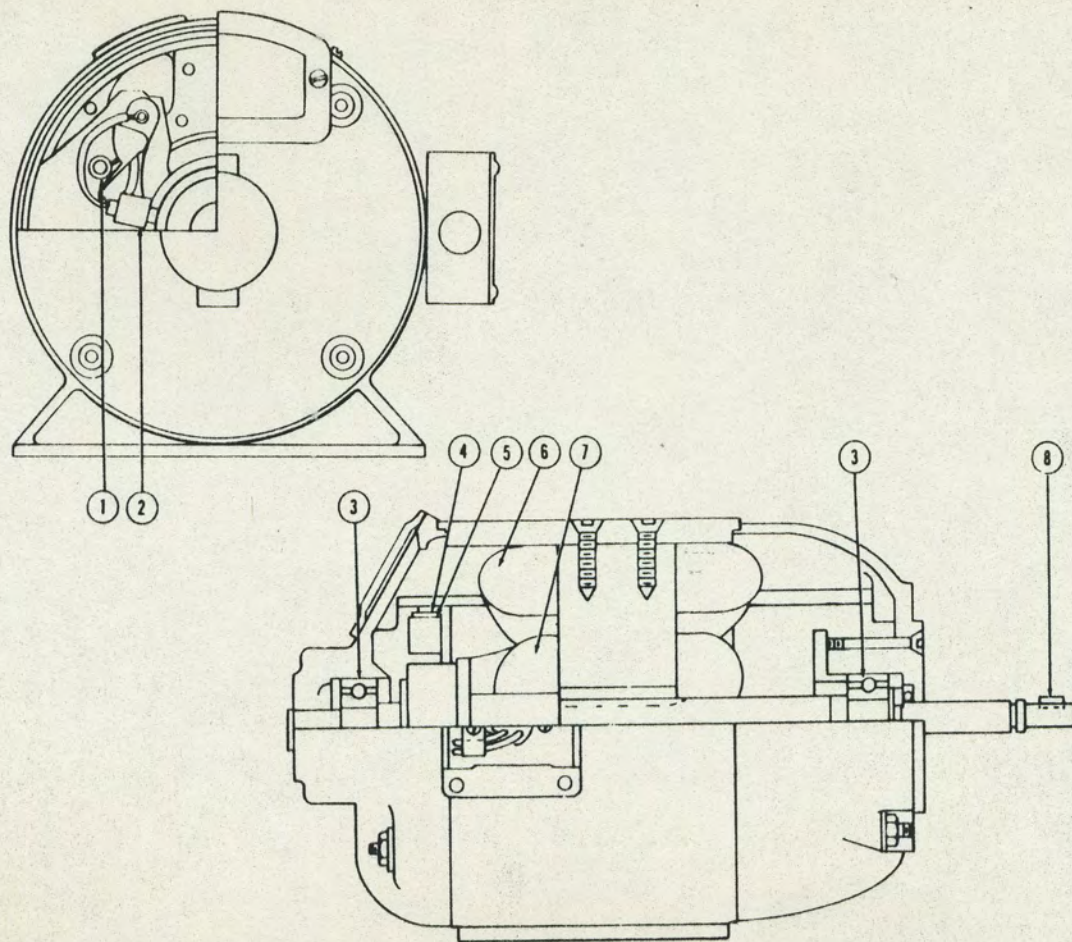
WIPER, WINDSHIELD
FIGURE 92



1. Burner, Oil, Pressure Atomizing: no. C
2. Motor, Direct Current: no. C burner
3. Valve, Safety
4. Valve, Control
5. Valve, Fuel Metering
6. Burner, Oil, Pressure Atomizing: no. 2
7. Motor, Direct Current: no. 2 burner

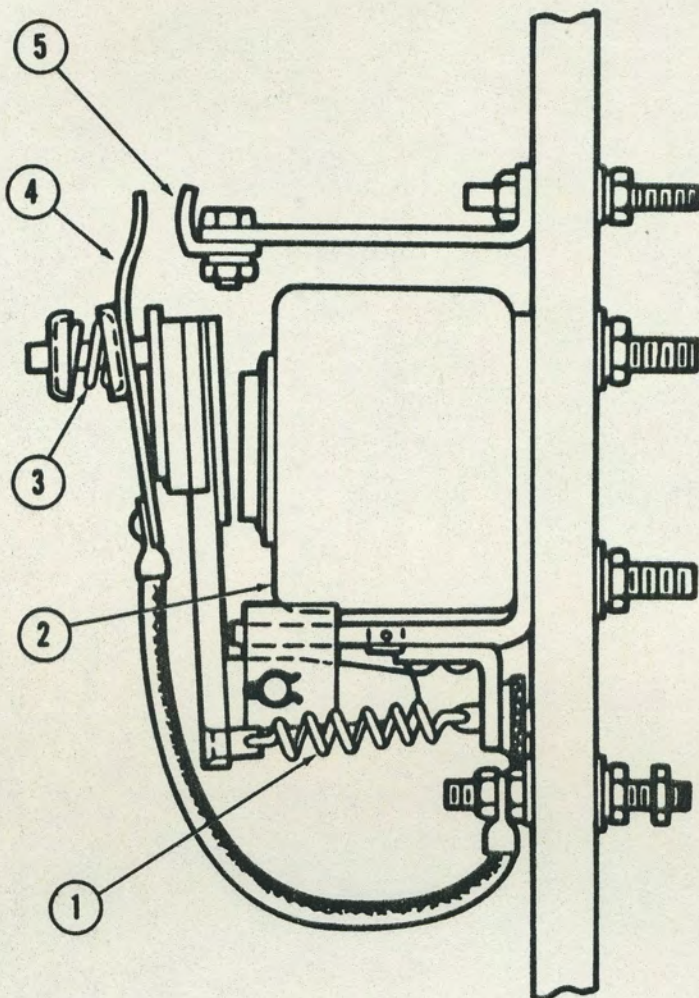
OIL BURNERS: range
FIGURE 93

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN LINE	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TROVLC	SOURCE	MAINT LEVEL	RECOV.						2ND ECHOLON				FIG NO	ITEM NO	
									1-5	6-30	31-90	91-100			(A)
				<u>2202.01 AIR HORN & WINDSHIELD WIPERS (CONTINUED)</u>											
	P	0		2540-713-8359	WIPER, WINDSHIELD: - Continued BLADE, WINDSHIELD WIPER (P/N KS1059A)	EA		1	*	*	1	1	92	2	
	C	0		2540-316-1944	MOTOR, WINDSHIELD WIPER: 1/30 hp, 115 v, ac, dc, 5000 rpm, incl reduction gear (P/N B2172E240HTYPENS)	EA		1	*	*	*	*	92	1	
11	P	0		5977-284-6698	BRUSH, ELECTRICAL CONTACT (P/N 2077-2)	EA		2	1	1	2	2	92	#	
				<u>GROUP 23 KITCHEN & FOOD PREPARATION EQUIPMENT</u> <u>2310 IMMERSION HEATER</u>											
5	Pl	0		4540-767-4266	HEATER, IMMERSION, ELECTRICAL: coffee urn, 1250 w (P/N 1012-115V)	EA		2	*	*	*	*			
	Pl	0		4540-767-4267	galley, 2 kw, 115 v, dc, model B. E. (P/N 2D112)	EA		1	*	*	*	*			
				<u>2315 RANGE</u>											
				Note: The following 5 items are u/o hull no. ST1978 thru ST1986.											
					RANGE, OIL BURNING (P/N 1300-5)									1 EA	
	Pl	0		4530-773-2597	BURNER, OIL, PRESSURE ATOMIZING (P/N NOC)	EA		1	*	*	*	*	93	1	
5	C	0		6105-766-7975	MOTOR, DIRECT CURRENT: 115 v (P/N TYPEJF1)	EA		1	*	*	*	*	93	2	
	C	0		7310-418-5001	VALVE, CONTROL (P/N T106DL)	EA		1	*	*	*	*	93	4	
5	C	0		4820-767-4288	VALVE, SAFETY (P/N T105I)	EA		1	*	*	*	*	93	3	
				Note: The following 5 items are u/o hull no. ST1989 thru ST1993 & ST2007.											
					RANGE, OIL BURNING (P/N 120-115)									1 EA	
	C	0		4530-767-4269	BURNER, OIL, PRESSURE ATOMIZING (P/N NO2)	EA		1	*	*	*	*	93	6	
5	C	0		6105-773-2691	MOTOR, DIRECT CURRENT: 115 v, 18 amp, 21 w, 1900 rpm (P/N 8-596-4)	EA		1	*	*	*	*	93	7	
5	C	0		4530-399-4590	VALVE, FUEL METERING: control (P/N CRC505-5-10)	EA		1	*	*	*	*	93	5	
11	P	0		5930-766-7955	SWITCH, STARTER: burner (P/N 6808)	EA		1	*	*	*	*			
				<u>GROUP 40 ELECTRIC MOTORS</u> <u>A4000 MOTOR ASSEMBLY</u> <u>(ELECTRO DYNAMIC MODEL 203)</u>											
				Note: Give ser no. & complete nameplate data of MOTOR, DIRECT CURRENT when requisitioning repair parts.											
5	Pl	0		6105-766-7978	MOTOR, DIRECT CURRENT: fuel oil transfer pump, 1 hp, 115 v, Electro Dynamic model 203 (P/N A49206-21D1250)	EA		1	*	*	*	*	94		
				<u>A4000.02 STATOR ASSEMBLY</u>											
9	C	0		3110-144-8519	BEARING, BALL, ANNULAR: shaft (P/N 6305J)	EA		2	*	1	2	2	94	3	
	C	0		6105-323-9698	COIL, INTERPOLE (P/N B38861G1)	EA		2	*	*	*	*	94	6	



1. Spring: brush
2. Holder, Electrical Contact: brush
3. Bearing, Ball, Annular: shaft
4. Brush, Electrical Contact
5. Ring, Holder, Electrical Brush: w/o studs
6. Coil, Interpole
7. Winding, Motor Field
8. Key, Machine

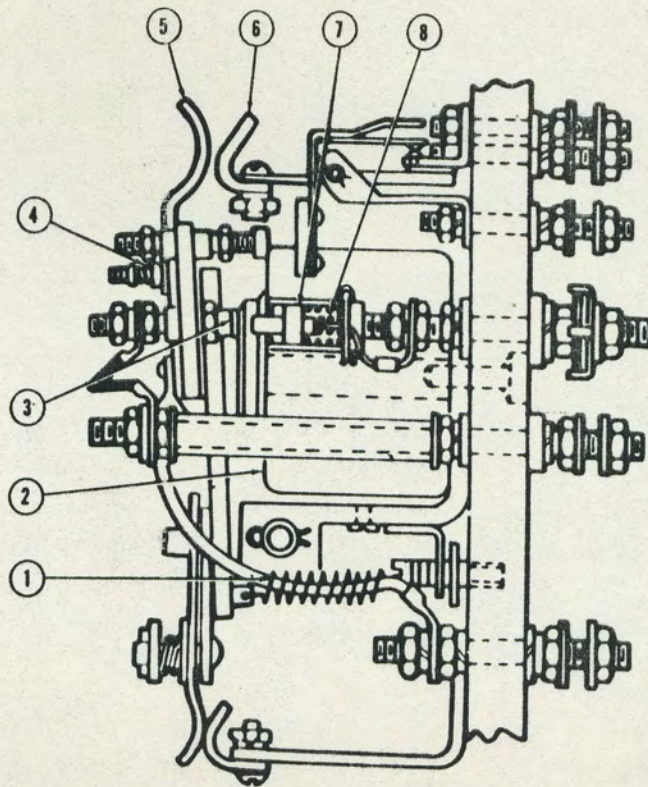
MOTOR, DIRECT CURRENT: fuel transfer pump
 FIGURE 94



- 1. Spring, Helical, Extension: armature
- 2. Coil, Relay
- 3. Spring, Helical, Compression: contact
- 4. Contact, Electrical: movable
- 5. Contact, Electrical: stationary

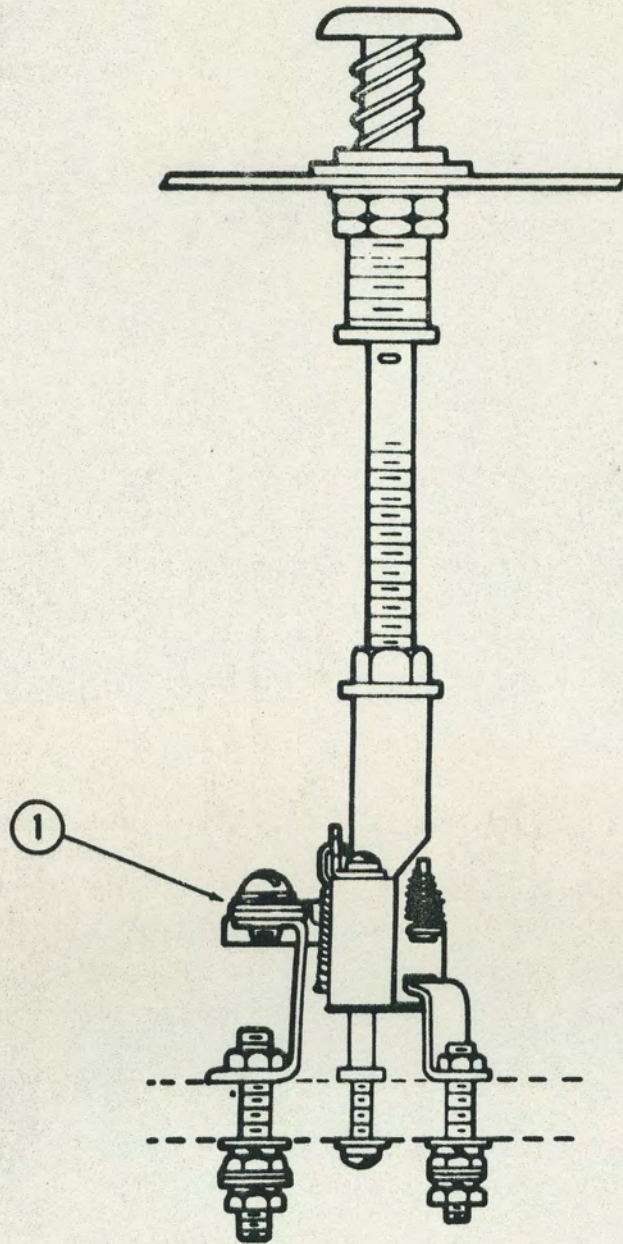
CONTACTOR ASSEMBLY: accelerating
FIGURE 95

(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MARRY ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TRC/LPC	SOURCE	MAINT LEVEL	RECOV.					2ND ECHELON				FIG NO	ITEM NO	
								1-3	4-30	31-90	91-100			(A)
<u>A4000.02 STATOR ASSEMBLY (CONTINUED)</u>														
5	C	O	4730-222-1003	FITTING, LUBRICATION: shaft bearing, 1/8 in.-27 NPT	EA		2	φ	φ	φ	φ			
	C	O	6105-097-3362	WINDING, MOTOR FIELD: main (P/N B38862GP1)	EA		2	*	*	*	*	94	7	
<u>A4000.03 BRUSH HOLDERS</u>														
11	P	O	5977-284-7530	BRUSH, ELECTRICAL CONTACT (P/N SP54637)	EA		2	*	1	2	2	94	4	
11	P	O	5977-090-1446	HOLDER, ELECTRICAL CONTACT BRUSH (P/N B38786GP1)	EA		2	*	*	*	*	94	2	
11	P	O	5977-391-2262	RING, HOLDER, ELECTRICAL BRUSH: w/o studs (P/N 38794A)	EA		1	*	*	*	*	94	5	
	C	O	5340-323-9699	SPRING: brush (P/N SP54635)	EA		2	*	*	*	*	94	1	
<u>A4019 MAIN OR AUXILIARY STARTING CONTROLS</u>														
11	P	O	5945-391-2264	CONTACTOR ASSEMBLY: accelerating, 25 amp, sp (P/N 26333-2-2)	EA		1	*	*	*	*	95		
5	C	O	6350-766-7962	COIL, RELAY (P/N 20L16)	EA		1	*	*	*	*	95	2	
11	P	O	5945-201-8118	CONTACT, ELECTRICAL: movable (P/N 12225-5-3)	EA		1	*	*	1	1	95	4	
11	P	O	5945-259-8976	stationary (P/N 11483-1-20)	EA		1	*	*	1	1	95	5	
	C	O	6110-097-0632	SPRING, HELICAL, COMPRESSION: contact (P/N 16571-62-1)	EA		1	*	*	*	*	95	3	
11	P	O	5945-323-9703	SPRING, HELICAL, EXTENSION: tail, armature (P/N 16570-32-1)	EA		1	*	*	*	*	95	1	
11	P	O	5945-391-2263	CONTACTOR ASSEMBLY, LINE: 25 amp, dp (P/N 12225-18)	EA		1	*	*	*	*	96		
	C	O	5950-766-7958	COIL, RELAY (P/N 20L22)	EA		1	*	*	*	*	96	2	
11	P	O	5945-038-0908	CONTACT, ELECTRICAL: movable auxiliary, normally open (P/N 11273-55-11)	EA		2	*	1	2	2	96	7	
	C	O	6110-196-3000	main (P/N 12225-5-1)	EA		2	*	1	2	2	96	5	
11	P	O	5930-090-2601	CONTACT, ELECTRICAL: stationary auxiliary, normally open (P/N 13626-58-1)	EA		2	*	1	2	2	96	3	
11	P	O	5945-259-8976	main (P/N 11483-1-20)	EA		2	*	1	2	2	96	6	
11	P	O	5945-303-1183	SPRING, HELICAL, COMPRESSION: auxiliary contact (P/N 16571-21-1)	EA		2	*	*	*	*	96	8	
	C	O	6110-097-0632	main contact (P/N 16571-62-1)	EA		2	*	*	*	*	96	4	
11	P	O	5945-323-9703	SPRING, HELICAL, EXTENSION: tail, armature (P/N 16570-32-1)	EA		1	*	*	*	*	96	1	
5	P	O	5920-548-3125	FUSE, CARTRIDGE: 10 amp, 250 v (P/N MS90088-9)	EA		2	φ	φ	φ	φ			
11	P	O	5945-627-2254	RELAY, ARMATURE: overload (P/N 13148-1)	EA		1	*	*	*	*	97		
	C	O	5930-766-7957	HEATER, THERMAL RELEASE (P/N 104-330-29)	EA		1	*	*	*	*	97	1	
11	P	O	5945-627-2255	STATION, CONTROL, ASSEMBLY: emergency stop (P/N 12928-178-17MH217)	EA		1	*	*	*	*			
	C	O	6110-369-1392	CONTACT, ELECTRICAL: movable (P/N 12928-95-2)	EA		1	*	*	1	1			
5	C	O	6110-301-4883	stationary (P/N 12928-95-3)	EA		1	*	*	1	1			



1. Spring, Helical, Extension: armature
2. Coil, Relay
3. Contact, Electrical: stationary, auxiliary
4. Spring, Helical, Compression: main contact
5. Contact, Electrical: movable, main
6. Contact, Electrical: stationary, main
7. Contact, Electrical: movable, auxiliary
8. Spring, Helical, Compression: auxiliary contact

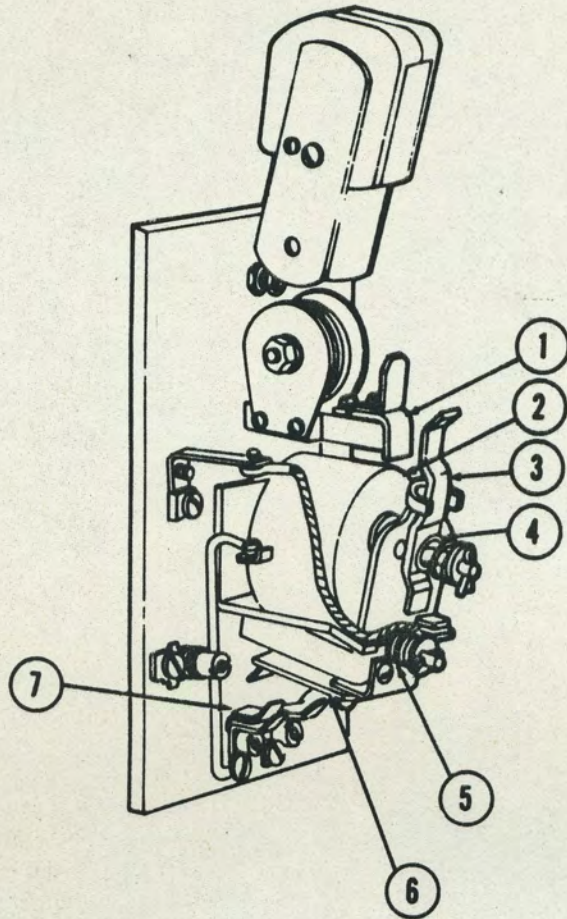
CONTACTOR ASSEMBLY, LINE
FIGURE 96



1. Heater, Thermal Release

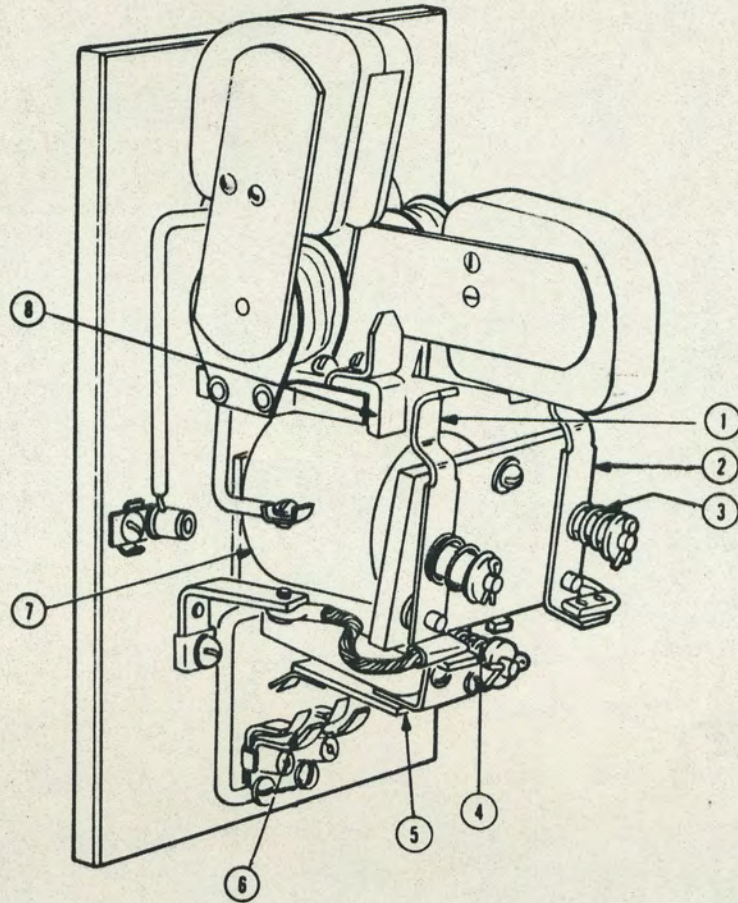
RELAY, ARMATURE
FIGURE 97

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TROUBLE SOURCE	MAINT LEVEL	RECOV. CODE	2ND ECHELON						FIG NO	ITEM NO				
			1-5								6-20	21-50	51-100	(A)
					<u>A4019 MAIN OR AUXILIARY STARTING CONTROLS (CONTINUED)</u>									
	C	O		6110-266-4780	STATION, CONTROL, ASSEMBLY: - Continued SPRING, HELICAL, COMPRESSION: contact (P/N 12928-72-1)	EA		1	*	*	*	*		
	C	O		6110-266-4781	over ride (P/N 12928-72-2)	EA		1	*	*	*	*		
	C	O		5930-391-2265	SWITCH, PUSH: start & stop (P/N 19439-23-1)	EA		1	*	*	*	*		
11	P	O		5930-766-7956	SWITCH, PUSH: push button unit (P/N 19439-11)	EA		1	*	*	*	*		
					<u>B4000 MOTOR ASSEMBLY</u> <u>(FAIRBANKS MORSE TYPE D2M)</u>									
					Note: Give ser no. & complete nameplate data of MOTOR, DIRECT CURRENT when requisitioning repair parts.									
	P	O		6105-366-7460	MOTOR, DIRECT CURRENT: air compressor, 3 hp 115 v, Fairbanks Morse type D2M (P/N D2MFRAMERX225SPEC15045)	EA		2	*	*	*	*	98	
					<u>B4000.01 ROTOR ASSEMBLY</u>									
5	C	O		6105-766-7971	ARMATURE, MOTOR (P/N 703343)	EA		2	*	*	*	*	98	6
					<u>B4000.02 STATOR ASSEMBLY</u>									
	C	O		3110-144-8519	BEARING, BALL, ANNULAR: commutator end (P/N 6305J)	EA		2	*	1	2	2	98	1
	C	O		3110-144-8527	pulley end (P/N 6306J)	EA		2	*	1	2	2	98	8
	C	O		5330-366-7458	GASKET: bearing closure commutator end (P/N 29822)	EA		2	*	1	2	2	98	2
	C	O		5330-367-1754	pulley end (P/N 28909)	EA		2	*	1	2	2	98	7
					<u>B4000.03 BRUSH HOLDERS</u>									
11	P	O		5977-228-7935	BRUSH, ELECTRICAL CONTACT (P/N 17068)	EA		8	4	6	8	10	98	5
	C	O		5977-417-9316	HOLDER ASSEMBLY, ELECTRIC: brush (P/N E38897-2)	EA		8	*	*	*	*	98	3
	C	O		6105-347-2510	SPRING, HELICAL, TORSION: brush (P/N 38902-2)	EA		8	*	*	*	*	98	4
					<u>B4019 MAIN OR AUXILIARY STARTING CONTROLS</u>									
					CONTACTOR: accelerating, 25 amp, dc, sp (P/N 1475B902) 2 EA									
	P	O		5950-648-4045	COIL, RELAY: magnet (P/N 1475S1W34)	EA		2	*	*	*	*	99	2
					CONTACT, ELECTRICAL:									
11	P	O		5949-025-3463	auxiliary, movable (P/N 1475G9)	EA		2	*	1	2	2	99	6
	C	O		6110-499-6095	auxiliary, stationary (P/N 1855G2)	EA		4	2	2	4	4	99	7
	C	O		6110-413-2439	movable (P/N 1475G4)	EA		2	*	1	2	2	99	3
	C	O		6110-413-2445	stationary (P/N 1475X41)	EA		2	*	1	2	2	99	1
5	C	O		6110-413-2443	SPRING, HELICAL: contact (P/N 1864X13)	EA		2	*	*	*	*	99	4
	C	O		6110-312-5200	SPRING, HELICAL, COMPRESSION: armature return (P/N 374D10X1)	EA		2	*	*	*	*	99	5



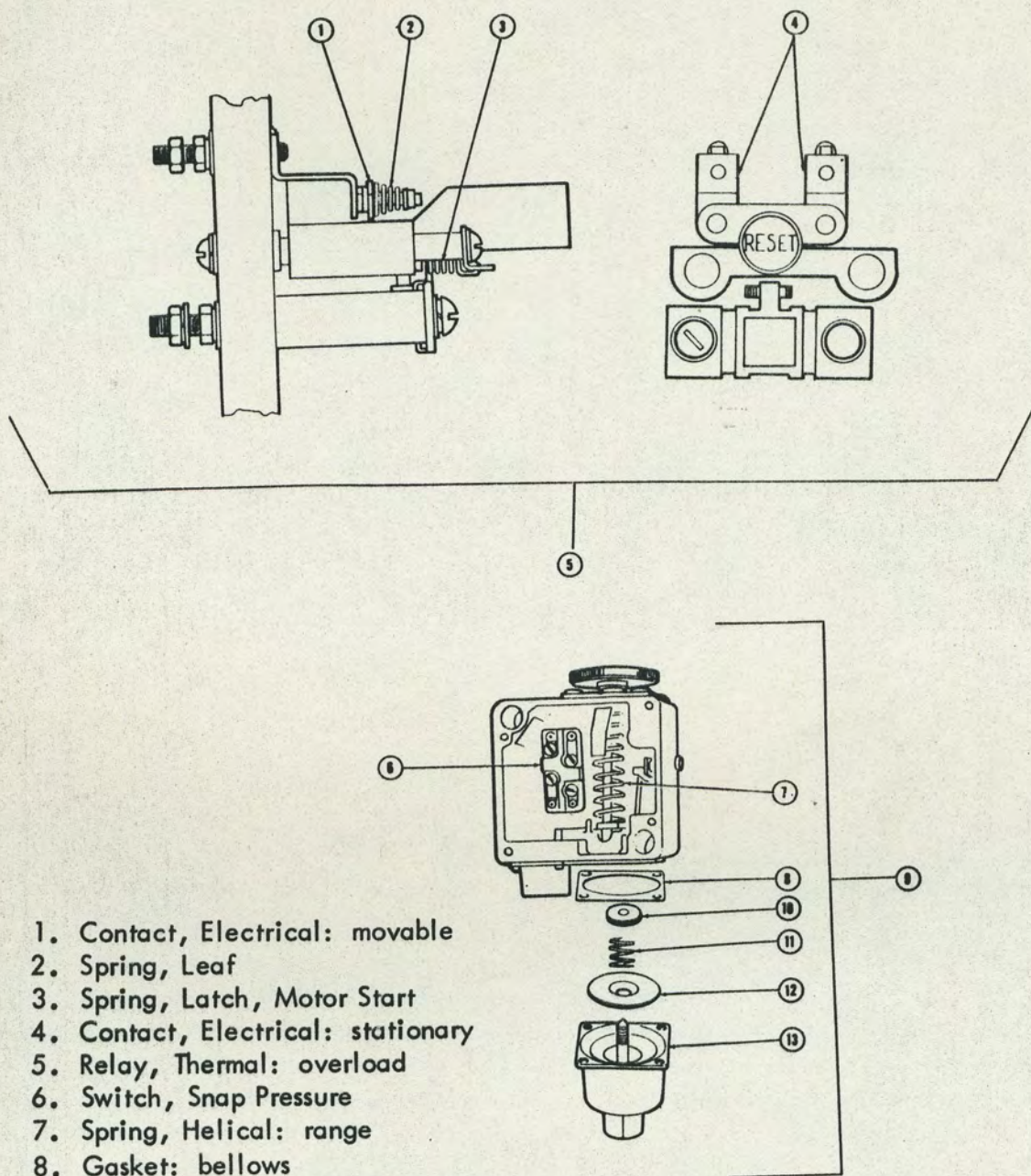
1. Contact, Electrical: main, stationary
2. Coil, Relay
3. Contact, Electrical: main, movable
4. Spring, Helical: main movable contact
5. Spring, Helical, Compression: armature return
6. Contact, Electrical: auxiliary, movable
7. Contact, Electrical: auxiliary, stationary

CONTACTOR: accelerating
FIGURE 99



1. Contact, Electrical: main movable, lh
2. Contact, Electrical: main movable, rh
3. Spring, Helical: main movable contact
4. Spring, Helical, Compression: armature return
5. Contact, Electrical: auxiliary movable
6. Contact, Electrical: auxiliary stationary
7. Coil, Relay
8. Contact, Electrical: main stationary

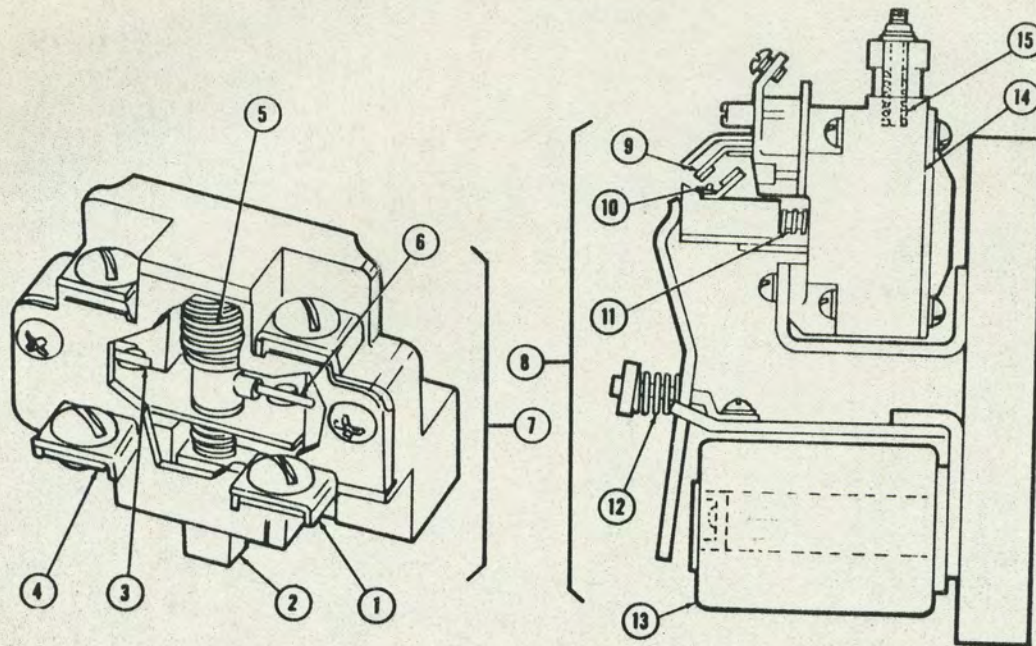
CONTACTOR: main line
FIGURE 100



- 1. Contact, Electrical: movable
- 2. Spring, Leaf
- 3. Spring, Latch, Motor Start
- 4. Contact, Electrical: stationary
- 5. Relay, Thermal: overload
- 6. Switch, Snap Pressure
- 7. Spring, Helical: range
- 8. Gasket: bellows
- 9. Switch, Pressure Assembly: limit
- 10. Gasket: bellows seat
- 11. Spring, Helical: calibration
- 12. Seat
- 13. Bellows, Pressure Switch

OVERLOAD RELAY AND LIMIT SWITCH
FIGURE 101

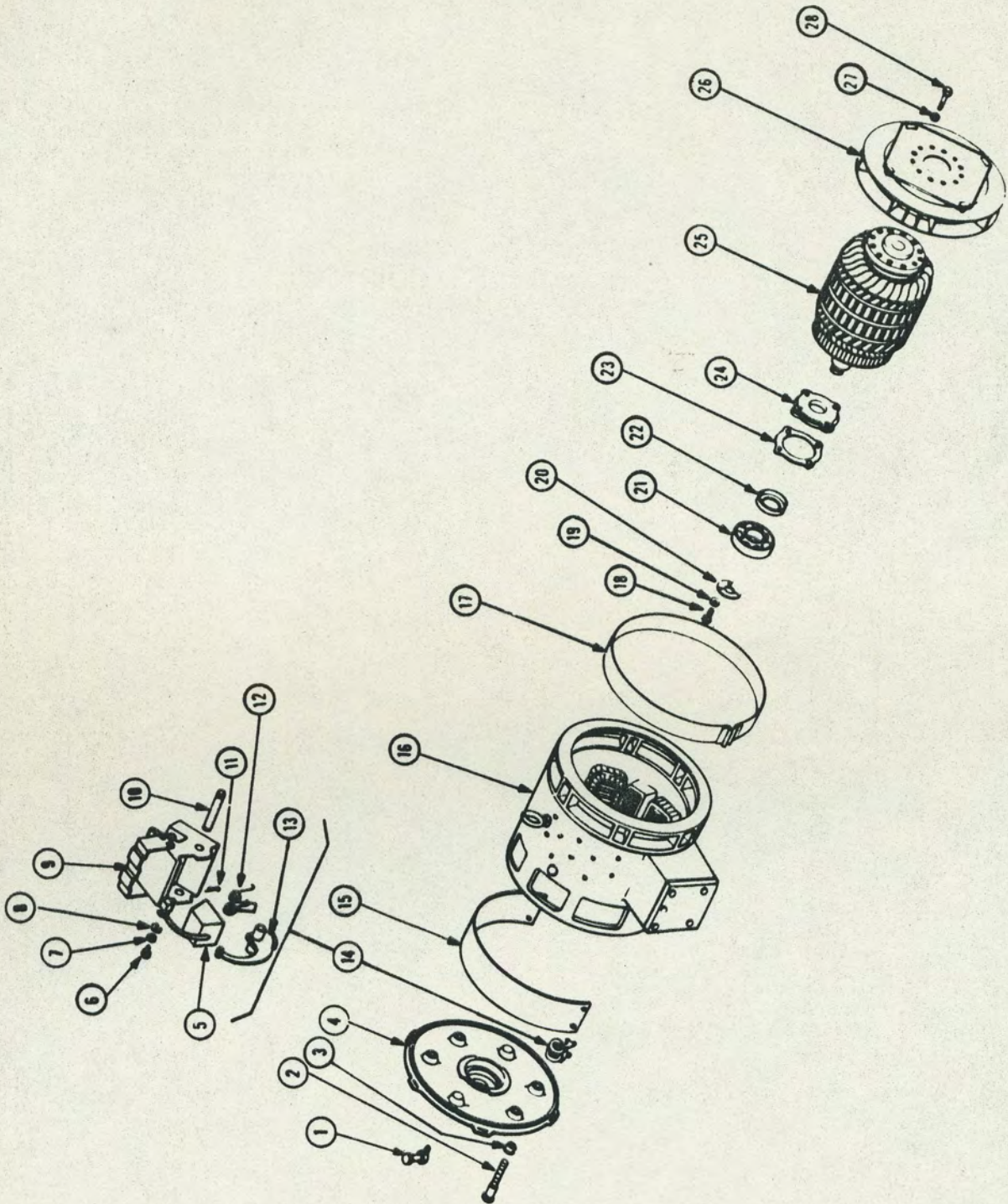
(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY	(7) 15 DAYS MANTN ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TECHNICAL SOURCE	MAINT LEVEL	RECOV.					INC PN UNIT	2ND ECHELON				FIG NO (A)	ITEM NO (B)
								1-3	4-6	7-9	10-15		
				<u>B4019 MAIN OR AUXILIARY STARTING CONTROLS</u> (CONTINUED)									
				CONTACTOR: main line, 25 amp, 115 v, dc, dp (P/N 1864B9G6)			2 EA						
C	O		5950-648-4049	COIL, RELAY: magnet (P/N 1475S2W33)	EA		2	*	*	*	*	100	7
C	O		6110-499-6095	CONTACT, ELECTRICAL: auxiliary, movable (P/N 1855G2)	EA		4	2	2	4	4	100	5
11	P	O	5945-025-3463	auxiliary, stationary (P/N 1475G9)	EA		2	*	1	2	2	100	6
11	P	O	5945-417-8773	movable, lh (P/N 1864G2)	EA		2	*	1	2	2	100	1
11	P	O	5945-417-8774	movable, rh (P/N 1864G3)	EA		2	*	1	2	2	100	2
C	O		6110-413-2445	stationary (P/N 1475X41)	EA		4	2	2	4	4	100	8
5	C	O	6110-413-2443	SPRING, HELICAL: contact (P/N 1864X13)	EA		4	*	*	*	*	100	3
C	O		6110-312-5200	SPRING, HELICAL, COMPRESSION: armature return (P/N 374D10X1)	EA		2	*	*	*	*	100	4
5	P	O	5920-548-3125	FUSE, CARTRIDGE: 10 amp, 250 v (P/N MS90088-9)	EA		4	φ	φ	φ	φ		
11	P	O	5945-499-6057	RELAY, THERMAL: overload (P/N 747M17G2)	EA		2	*	*	*	*	101	5
11	P	O	5945-035-8956	CONTACT, ELECTRICAL: movable (P/N 1151G1)	EA		4	2	2	4	4	101	1
11	P	O	5945-030-2014	stationary (P/N 1151G3)	EA		4	2	2	4	4	101	4
5	P	O	6110-417-9948	SPRING, LATCH, MOTOR START: guide pin (P/N 1025X3)	EA		4	*	*	*	*	101	3
C	O		5340-366-8442	SPRING, LEAF: contact (P/N 1151X12)	EA		4	*	*	*	*	101	2
11	P	O	5945-546-2751	THERMAL UNIT, RELAY: heater (P/N 747S40A28)	EA		2	*	*	*	*		
P	O		5930-375-2537	SWITCH, PRESSURE ASSEMBLY: limit (P/N 9012ACW9)	EA		2	*	*	*	*	101	9
P	O		5930-375-2525	BELLOWS, PRESSURE SWITCH (P/N 1538D38G1)	EA		2	*	*	*	1	101	13
P	O		5340-375-2534	SPRING, HELICAL: calibration (P/N 1538X37)	EA		2	*	*	*	*	101	11
P	O		5340-375-2535	differential (P/N 1538X101)	EA		2	*	*	*	*	101	7
P	O		5340-375-2533	range (P/N 1538X26)	EA		2	*	*	*	*	101	7
C	O		5930-375-2538	SWITCH, SNAP PRESSURE (P/N 2242C16G1)	EA		2	*	*	*	*	101	6
11	P	O	5930-375-2536	SWITCH, ROTARY: selection (P/N 9001TS3A)	EA		2	*	*	*	*	102	7
C	O		5930-375-2526	CONTACT, ELECTRICAL: movable (P/N 2537D7G1)	EA		2	*	1	2	2	102	2
C	O		5940-785-5707	CONTACT TERMINAL ASSEMBLY: stationary lh, normally closed (P/N 2357D6G1)	EA		2	*	1	2	2	102	1
C	O		5940-375-2542	lh, normally open (P/N 2357D4G1)	EA		2	*	1	2	2	102	6
C	O		5940-375-2540	rh, normally closed (P/N 2357D6G2)	EA		2	*	1	2	2	102	4
C	O		5940-375-2541	rh, normally open (P/N 2357D4G2)	EA		2	*	1	2	2	102	3
C	O		5340-375-2532	SPRING, HELICAL: contact return (P/N 2357X6)	EA		2	*	*	*	*	102	5
9	P	O	6645-417-9356	TIMER, PNEUMATIC: dc (P/N 1950B3G2)	EA		2	*	*	*	*	102	8
11	P	O	5950-243-5147	COIL, RELAY: magnet (P/N 1950S3W32)	EA		2	*	*	*	*	102	13



1. Contact, Terminal Assembly: lh, normally closed
2. Contact, Electrical: movable
3. Contact, Terminal Assembly: rh, normally open
4. Contact, Terminal Assembly: rh, normally closed
5. Spring, Helical: contact return
6. Contact, Terminal Assembly: lh, normally open
7. Switch, Rotary: selection
8. Timer, Pneumatic
9. Contact, Electrical: stationary
10. Contact, Electrical: movable
11. Spring, Helical, Compression: contact
12. Spring, Helical, Compression: armature lever
13. Coil, Relay
14. Timer, Interval
15. Spring, Helical, Compression: adjusting screw

SELECTION SWITCH AND TIMER
FIGURE 102

(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TROLYIC SOURCE	MAINT LEVEL	RECOV.						2ND ECHOLON				FIG NO	ITEM NO	
								1-5	6-20	21-80	81-100			(A)
				<u>B4019 MAIN OR AUXILIARY STARTING CONTROLS (CONTINUED)</u>										
C	O		6110-312-5189	TIMER, PNEUMATIC: - Continued SPRING, HELICAL, COMPRESSION: armature lever (P/N 1476X18)	EA		2	*	*	*	*	102	12	
C	O		6645-416-8864	TIMER, INTERVAL (P/N 1855B6G1)	EA		2	*	*	*	*	102	14	
C	O		6110-413-2438	CONTACT, ELECTRICAL: movable (P/N 1855ML5G1) stationary (P/N 1855G2)	EA		2	*	1	2	2	102	10	
C	O		6110-499-6095		EA		4	2	2	4	4	102	9	
C	O		6110-200-7000	SPRING, HELICAL, COMPRESSION: adjusting screw (P/N 2055X26) contact (P/N 1855X13)	EA		2	*	*	*	*	102	15	
C	O		6110-312-5190		EA		2	*	*	*	*	102	11	
				<u>C4000 MOTOR ASSEMBLY (FAIRBANKS MORSE MODEL 154BP1)</u>										
				Note: Give ser no. & complete nameplate data of MOTOR, DIRECT CURRENT when requisitioning repair parts.										
5	P	O	6105-766-7979	MOTOR, DIRECT CURRENT: water pressure set, 1/3 hp, 115 v, Fairbanks Morse model 154BP1	EA		2	*	*	*	*			
				<u>C4000.01 ROTOR ASSEMBLY</u>										
5	C	O	6105-799-6218	ARMATURE, MOTOR (P/N A2961)	EA		2	*	*	*	*			
				<u>C4000.02 STATOR ASSEMBLY</u>										
9	C	O	3110-275-0014	BEARING, BALL, ANNULAR: armature shaft (P/N 8701611C)	EA		4	1	2	4	4			
5	C	O	6105-779-6217	WINDING, MOTOR FIELD: stator coil (P/N A3005)	EA		2	*	*	*	*			
				<u>C4000.03 BRUSH HOLDERS</u>										
11	P	O	5977-049-8135	BRUSH, ELECTRICAL CONTACT (P/N A2788-1)	EA		8	4	6	8	10			
11	P	O	5977-779-6207	HOLDER, ELECTRICAL CONTACT BRUSH (P/N A2909)	EA		2	*	*	*	*			
				<u>4025 RESISTORS</u>										
				Note: The following 2 items are u/w Quincy Compressor.										
5	P	O	6110-772-7833	RESISTOR, FIXED: starting (P/N 1134R19A3)	EA		2	*	*	*	*			
11	P	O	5905-546-2752	RESISTOR, FIXED, WIRE WOUND: main line (P/N 4105PX1)	EA		4	*	*	*	*			
				<u>GROUP 41 ELECTRIC GENERATORS</u>										
				<u>A4100 GENERATOR ASSEMBLY (DELCO PRODUCTS MODEL I-3699)</u>										
				Note: Give ser no. & complete nameplate data of GENERATOR, DIRECT CURRENT when requisitioning repair parts.										
				GENERATOR, DIRECT CURRENT: Delco Products, 20 kw model I-3699									2 EA	

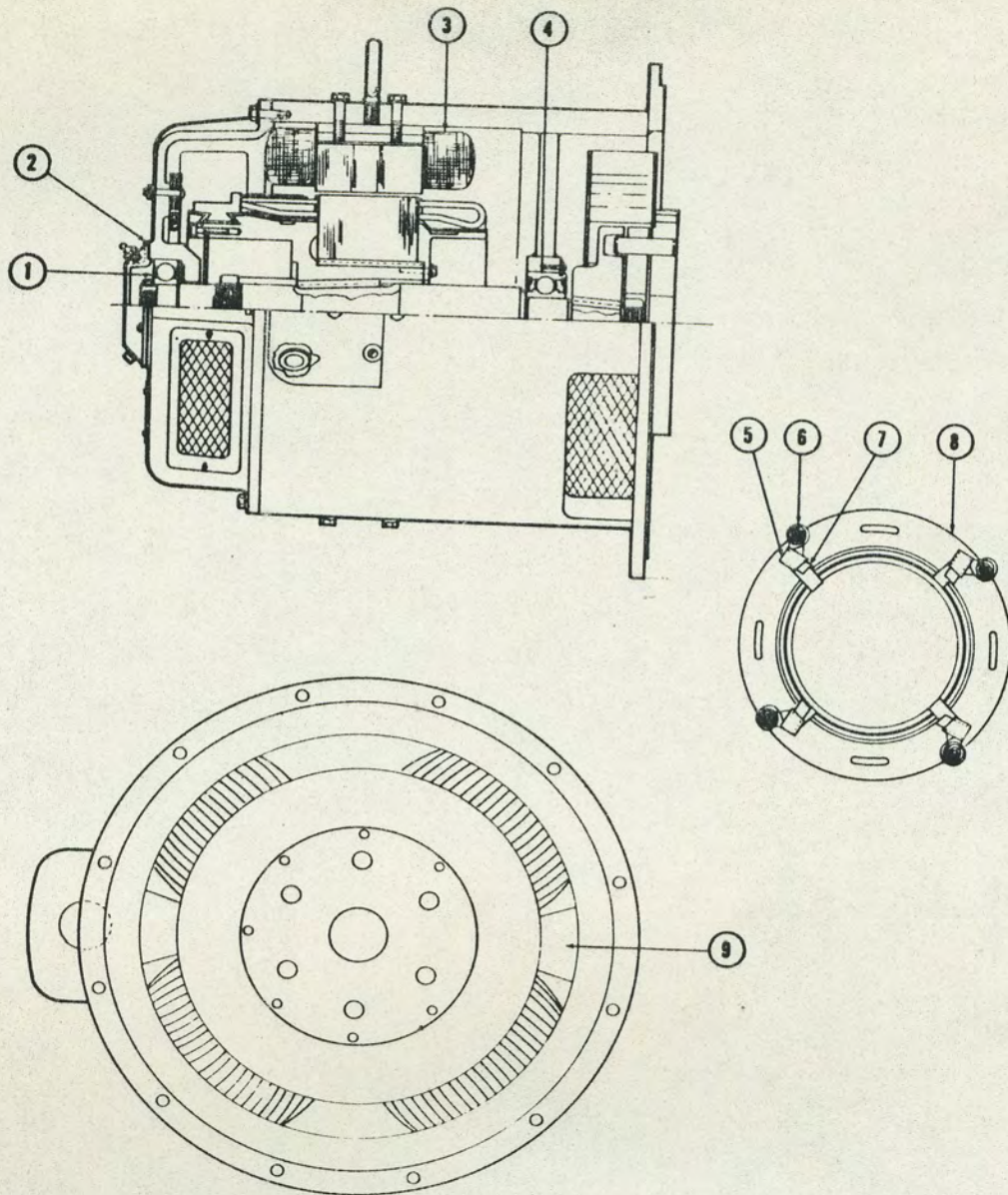


GENERATOR, DIRECT CURRENT; model I 3699
FIGURE 103 ①

1. Indicator, Sight, Liquid
2. Stud: brush holder
3. Sleeve, Brush Stud
4. End Frame
5. Brush, Electrical Contact
6. Screw: brush lead
7. Lockwasher: brush lead screw
8. Washer: brush lead screw
9. Holder
10. Pin
11. Cotter Pin
12. Spring, Helical, Torsion
13. Arm
14. Holder, Electrical Contact: assy
15. Band: commutator end
16. Frame
17. Band: fan end
18. Bolt: bearing retainer
19. Lockwasher: bearing retainer
20. Washer, Flat: bearing retainer
21. Bearing, Ball, Annular
22. Cap, Dust
23. Gasket: bearing cap
24. Cap: bearing
25. Armature
26. Fan, Electrical Rotating Equipment
27. Lockwasher: fan mtg
28. Bolt: fan mtg

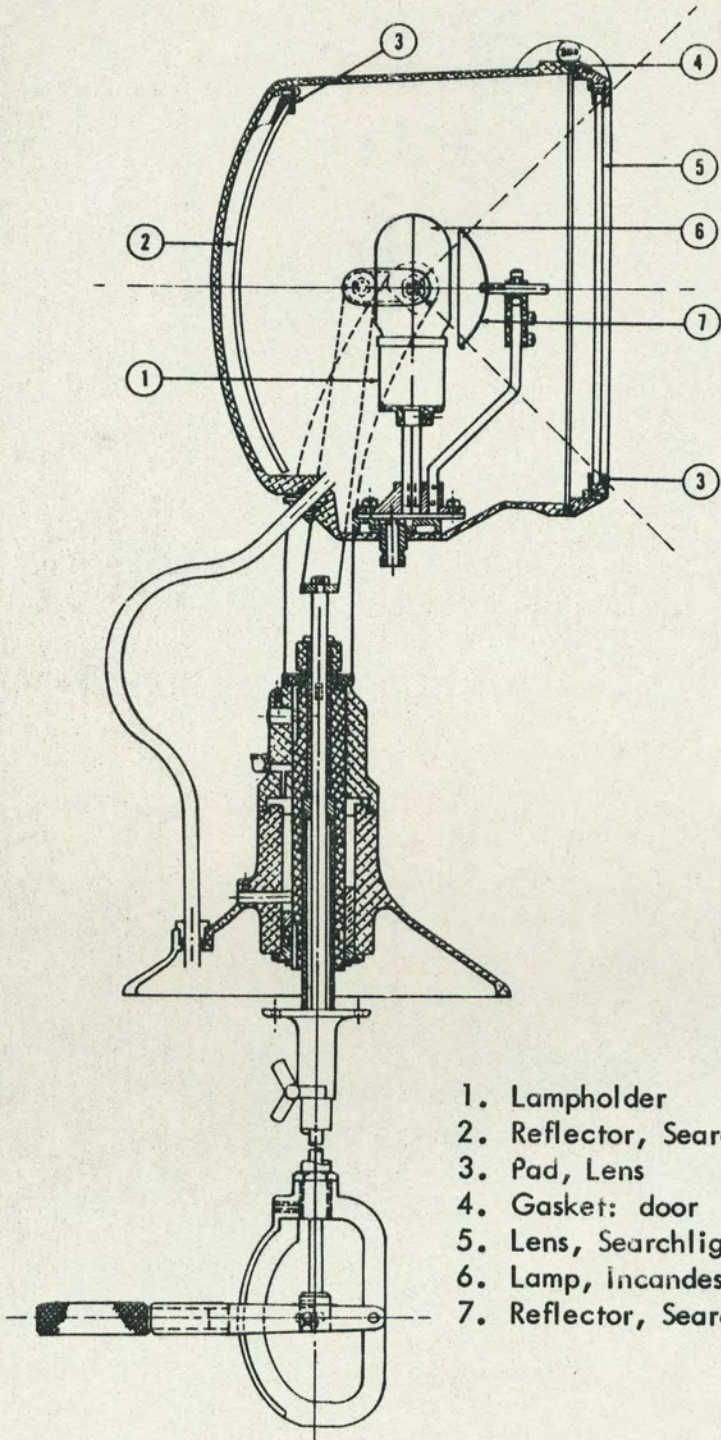
GENERATOR, DIRECT CURRENT: model I 3699
FIGURE 103 (2)

(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TECH- NIC	SOURCE	MAINT LVLS	RECOV.					2ND ECHELON				FIG NO	ITEM NO	
								1-5	6-20	21-80	81-100			(A)
<u>A4100.02 STATOR ASSEMBLY</u>														
11	P	O	3110-155-6775	BEARING, BALL, ANNULAR: commutator end (P/N 5364645)	EA		2	*	*	1	1	103	21	
	Pl	O	6115-204-3269	CAP, DUST: bearing (P/N 5384885)	EA		2	*	*	*	*	103	22	
	C	O	6115-285-5091	GASKET: bearing cap (P/N 5388489)	EA		2	*	*	1	1	103	23	
5	C	O	5310-641-9253	WASHER, FLAT: bearing retainer (P/N 5367543)	EA		2	*	*	*	*	103	20	
<u>A4100.03 BRUSH HOLDERS</u>														
11	P	O	5977-673-5528	BRUSH, ELECTRICAL CONTACT (P/N 5308995)	EA		8	4	8	12	16	103	5	
11	C	O	5977-673-5529	HOLDER, ELECTRICAL CONTACT: brush (P/N 5310030)	EA		4	*	*	*	*	103	14	
	C	O	5340-366-3873	SPRING, HELICAL, TORSION: brush (P/N 5310593)	EA		8	*	*	*	*	103	12	
	C	O	6115-364-3684	SLEEVE, BRUSH STUD: insulating (P/N 5312128)	EA		4	*	*	*	*	103	3	
	C	O	5307-364-3686	STUD: brush holder (P/N 15316998)	EA		4	*	*	*	*	103	2	
<u>A4100.04 VENTILATING SYSTEM</u>														
5	Pl	O	6150-635-9196	FAN, ELECTRICAL ROTATING EQUIPMENT: incl driving disc (P/N 5386708)	EA		2	*	*	*	*	103	26	
<u>B4100 GENERATOR ASSEMBLY</u> (KURZ-ROOT MODEL 4062)														
Note: Give ser no. & complete nameplate data of GENERATOR ASSEMBLY when requisitioning repair parts.														
GENERATOR ASSEMBLY: 10 kw, Kurz-Root model 4062TYPEES 1 EA														
<u>B4100.02 STATOR ASSEMBLY</u>														
9	C	O	3110-155-6213	BEARING, BALL, ANNULAR: commutator end (P/N 6309Z)	EA		1	*	*	1	1	104	1	
	C	O	3110-156-5047	coupling end (P/N 43609)	EA		1	*	*	1	1	104	4	
	Pl	O	6115-375-2716	COIL: generator field commutating (P/N 14E979M699)	EA		2	*	*	*	*	104	9	
	Pl	O	6115-375-2715	field (P/N 12E979M699)	EA		4	*	*	*	*	104	3	
	C	O	5330-375-2718	GASKET: bearing cap (P/N 42-986-5)	EA		1	*	*	1	1	104	2	
<u>B4100.03 BRUSH HOLDERS</u>														
11	P	O	5977-230-6009	BRUSH, ELECTRICAL CONTACT (P/N 19-946-7)	EA		4	2	4	6	8	104	7	
11	P	O	5977-416-6536	HOLDER ASSEMBLY, ELECTRICAL: brush (P/N 18-597)	EA		4	*	*	*	*	104	5	
11	P	O	5977-416-6744	RING, HOLDER, ELECTRICAL (P/N 17-686)	EA		1	*	*	*	*	104	8	
	P	O	5977-364-8819	SPRING, SPIRAL, TORSION: brush (P/N 20-954-0)	EA		4	*	*	*	*	104	6	



1. Bearing, Ball, Annular: commutator end
2. Gasket
3. Coil: field
4. Bearing, Ball, Annular: coupling
5. Holder, Electrical Contact
6. Spring, Spiral, Torsion
7. Brush, Electrical Contact
8. Ring, Holder, Electrical
9. Coil: commutating

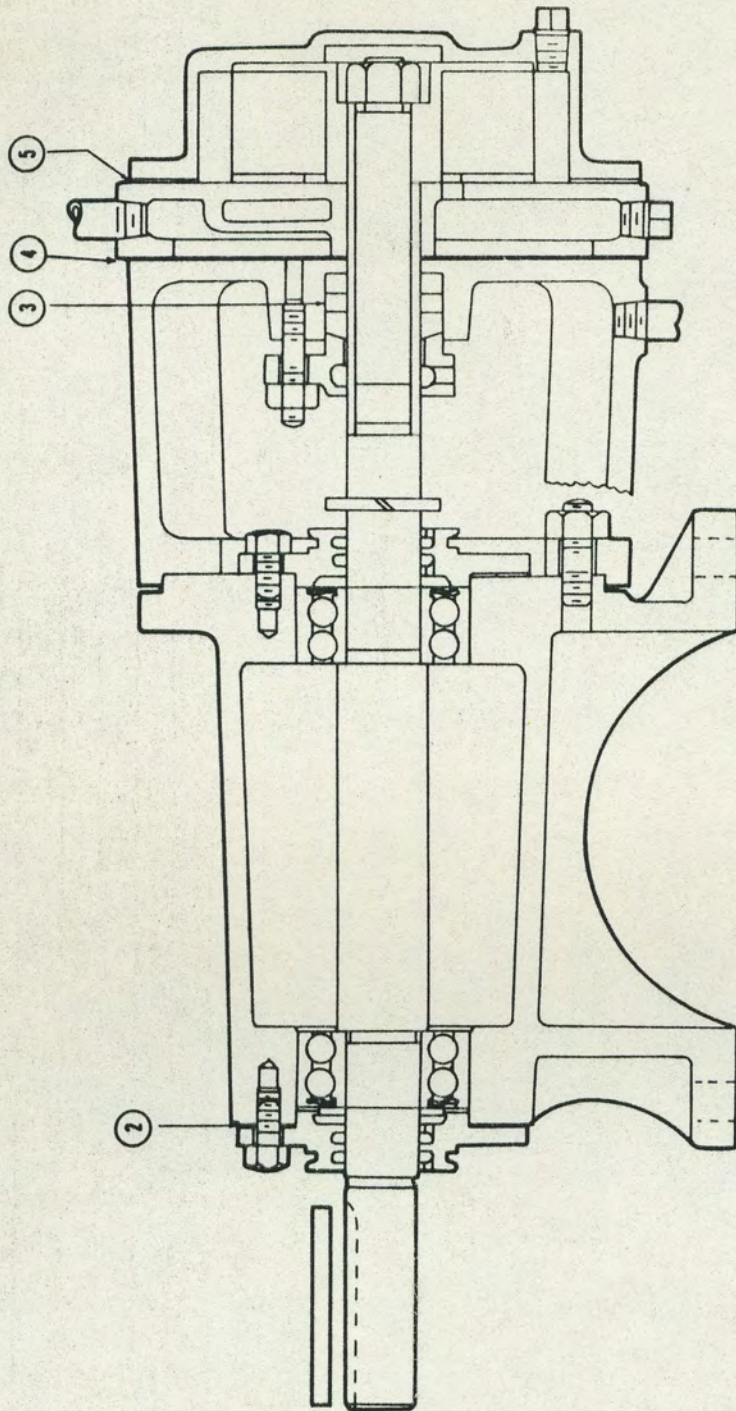
GENERATOR ASSEMBLY: model 4062
 FIGURE 104



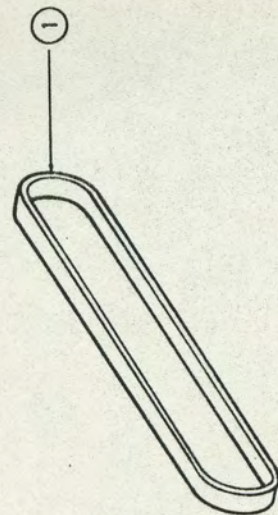
- 1. Lampholder
- 2. Reflector, Searchlight: primary
- 3. Pad, Lens
- 4. Gasket: door
- 5. Lens, Searchlight
- 6. Lamp, incandescent
- 7. Reflector, Searchlight: secondary, focusing

SEARCHLIGHT
FIGURE 105

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS			
TROUBLE SOURCE	MAINT LINE	RECOV.	2ND ECHELON						FIG NO	ITEM NO						
			1-8								9-20	21-50	51-100	(A)	(B)	
					<u>GROUP 42 ELECTRICAL EQUIPMENT, INSTRUMENTS & CONTROLS</u>											
					<u>4202 ELECTRICAL CONTROLS, MAIN</u>											
					<u>4202.02 CUT-OUT DEVICES</u>											
C	O			5930-333-2136	SWITCH, PRESSURE: water pressure sets, square D class 9013 (P/N 9013ASW6)	EA		2	*	*	*	*				
					<u>4206 SIGNALING DEVICES</u>											
C	O			6320-414-1292	BUZZER: running light circuit trouble, 24 v, dc (P/N 20-081DC)	EA		1	*	*	*	*				
11	P	O		5945-293-8531	RELAY, ARMATURE: trouble buzzer, running light circuits (P/N 60-156)	EA		4	*	*	*	*				
					<u>4220 LIGHTING EQUIPMENT</u>											
					SEARCHLIGHT: 115 v, dc, 500 w (P/N 12SL1214X) 1 EA											
C	O			5330-766-7927	GASKET: door (P/N 12SL1217)	EA		1	*	*	*	*	1	105	4	
5	P	O		6240-283-9896	LAMP, INCANDESCENT: 115 v, 500 w, T20 bulb, clear, C-13B fil, mogul screw base	EA		1	φ	φ	φ	φ	105		6	
5	PL	O		6250-299-7091	LAMPHOLDER (P/N SL377X)	EA		1	*	*	*	*	105		1	
C	O			9340-300-0364	LENS, SEARCHLIGHT (P/N 331M)	EA		1	*	*	*	*	105		5	
5	C	O		6230-767-5568	PAD, LENS (P/N SL1360)	EA		6	*	*	*	*	105		3	
5	C	O		6230-767-5573	REFLECTOR, SEARCHLIGHT: primary (P/N SL1203)	EA		1	*	*	*	*	105		2	
C	O			6230-767-5570	secondary, focusing (P/N SL375)	EA		1	*	*	*	*	105		7	
					<u>GROUP 43 HYDRAULIC, AIR & VACUUM SYSTEMS</u>											
					<u>4319 VACUUM PUMPS</u>											
					Note: The following 8 items are u/o WEINMANN model JC Fire & Salvage Pump.											
5	P	C		3030-330-8843	BELTS, V, MATCHED SET: vacuum pump drive, 2 belts (P/N 17541151)	SE		1	*	*	*	*	106		1	
C	O			4320-030-3191	PUMP ASSEMBLY, PRIMING: vacuum bronze (P/N AL2)	EA		1	*	*	*	*	106			
C	O			5330-347-3900	GASKET: bearing cap, pedestal assy (P/N D8235XP)	EA		2	*	1	2	2	106		2	
C	O			4320-366-7738	body to bracket (P/N D5632XP)	EA		1	*	*	1	1	106		4	
C	O			4320-379-2042	body to lobe (P/N D8693XP)	EA		1	*	*	1	1	106		5	
MO	O				PACKING: shaft, 5/16 in. sq (P/N PK234) (Fabricate from PACKING MATERIAL 5330-222-2838)	EA		1					106		15	
9	C	O		2910-097-5670	VALVE: vacuum priming (P/N BLA254)	EA		1	*	*	*	*				
C	O			4820-090-1445	VALVE, VACUUM BREAKING: vacuum relief, 1/2 in.-14 NPT (P/N D4193)	EA		1	*	*	*	*				
					<u>GROUP 47 GAGES (NON-ELECTRICAL)</u>											
					<u>B4701 INSTRUMENTS</u>											
					<u>B4701.02 TACHOMETER</u>											
5	P	O		6680-767-5578	CORE, FLEXIBLE SHAFT: 39-3/8 in. lg (P/N 1535514)	EA		2	*	*	*	*				

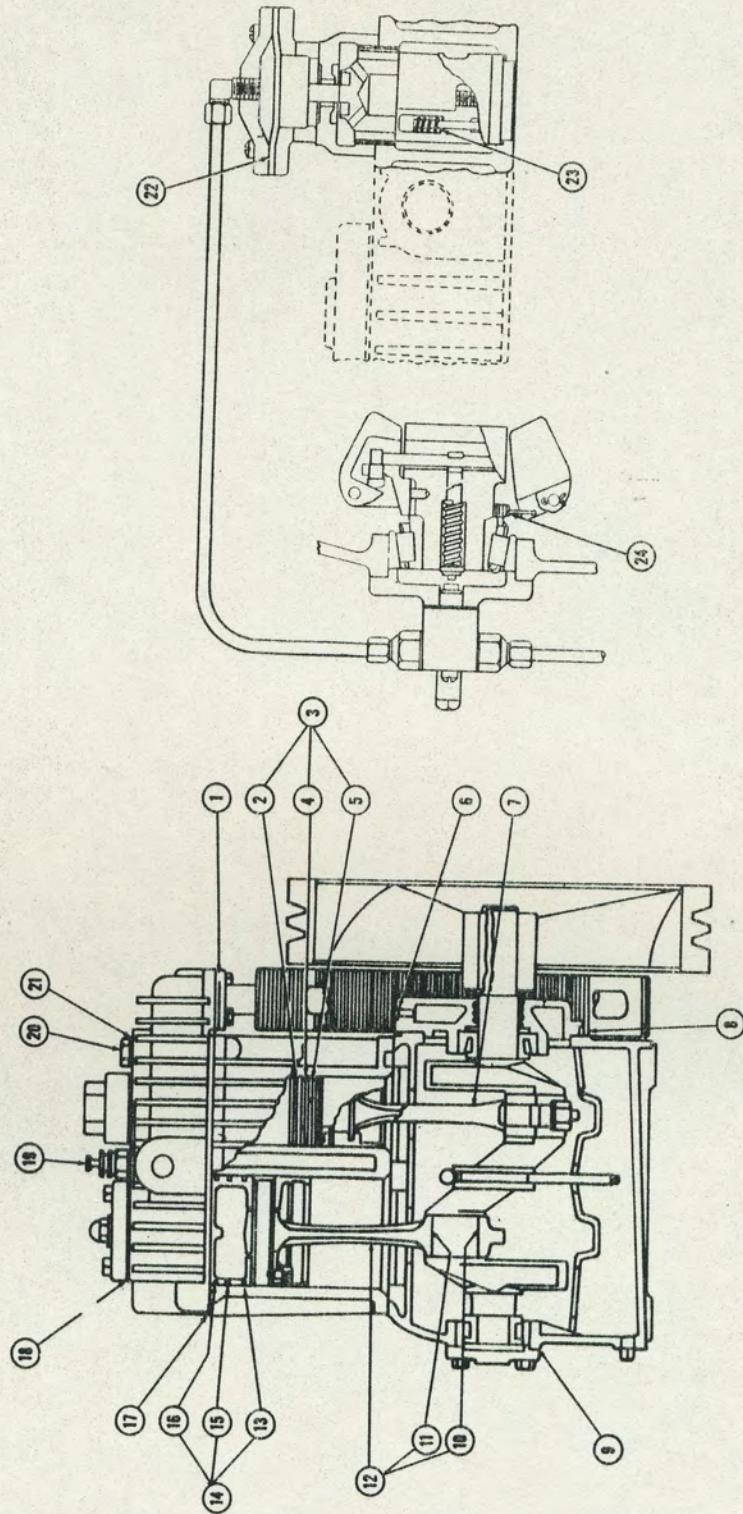


- 1. Belt, V, Matched Set
- 2. Gasket: bearing cap
- 3. Packing
- 4. Gasket: body to bracket
- 5. Gasket: body to lobe

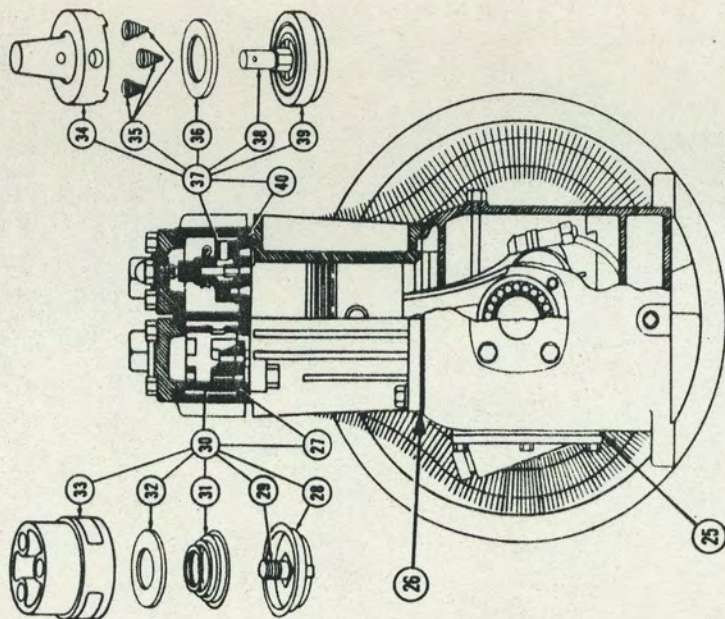
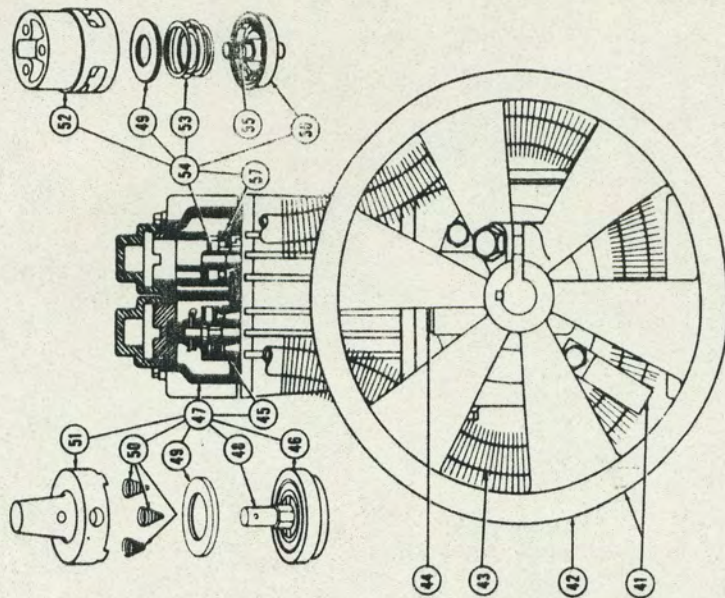


PUMP ASSEMBLY, PRIMING: vacuum
FIGURE 106

(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER		(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TROUBLE SOURCE	MAINT LEVEL READY.							2ND ECHELON				FIG NO (A)	ITEM NO (B)	
								1-5	6-20	21-50	51-100			
				<u>B4701.02 TACHOMETER (CONTINUED)</u>										
5	P	O	6680-767-5574	DRIVE ASSEMBLY: 90 deg, 1h (P/N 1566827)	EA		2	*	*	*	*			
	C	O	6680-514-5489	TACHOMETER, MECHANICAL: cw (P/N 1536865)	EA		2	*	*	*	*			
				<u>4707 LIQUID LEVEL GAGE</u>										
				Note: The following item is u/o DELCO PRODUCTS 20 kw GENERATOR.										
5	Pl	O	6680-514-4684	INDICATOR, SIGHT, LIQUID: oil (P/N 5514417)	EA		2	*	*	*	*	103	1	
				<u>B4708 TEMPERATURE GAGE</u>										
	P	O	6620-610-1883	THERMOMETER, INDICATING: water (P/N 1513549)	EA		2	*	*	*	*			
				<u>A4709 PRESSURE GAGE</u>										
	Pl	O	6620-831-1261	GAGE, FUEL: pressure (P/N 2C1790)	EA		1	*	*	*	*	66	1	
	P	O	6685-337-0947	GAGE, PRESSURE, DIAL INDICATING: lube oil (P/N 2C1789)	EA		1	*	*	*	*	66	4	
	P	O	6620-551-3865	starting air (P/N 2C1791)	EA		1	*	*	*	*	66	3	
	C	O	6685-767-5580	water at manifold (P/N RM5790A)	EA		1	*	*	*	*	66	2	
				<u>B4709 PRESSURE GAGE</u>										
	C	O	6620-571-3510	GAGE: oil (P/N 1508354)	EA		2	*	*	*	*			
				<u>C4709 PRESSURE GAGE</u>										
	C	O	6620-631-4599	GAGE, PRESSURE, DIAL INDICATING: oil, 0 to 60 psi (P/N 7006150)	EA		2	*	*	*	*			
				<u>D4709 PRESSURE GAGE</u>										
	C	O	6620-631-4599	GAGE, PRESSURE, DIAL INDICATING: oil, 0 to 60 psi (P/N 7006150)	EA		1	*	*	*	*			
				<u>4709 PRESSURE GAGE</u>										
				Note: The following item is u/o WATER PRESSURE SYSTEM, fresh & raw water.										
	C	O	6685-265-0905	GAGE, PRESSURE, DIAL INDICATING (P/N 500S-0-100-1-8)	EA		2	*	*	*	*			
				<u>GROUP 50 AIR COMPRESSOR</u> <u>5000 AIR COMPRESSOR ASSEMBLY</u>										
				Note: Give ser no. & complete nameplate data of COMPRESSOR, RECIPROCATING when requisitioning repair parts.										
10	Pl	O	T 4930-360-3822	COMPRESSOR, RECIPROCATING: Quincy model 325 (P/N 325)	EA		2	*	*	*	*	107		
5	C	O	4310-354-8484	GASKET SET: compressor overhaul (P/N 5163) c/o 1 EA GASKET, bearing carrier (P/N 1831) 1 EA GASKET, cylinder to case (P/N 1833) 1 EA GASKET, head (P/N 5699) 2 EA GASKET, high pressure valve cover (P/N 1877)	EA			*	*	1	1	107 107 107 107	8 26 1 #	



COMPRESSOR, RECIPROCATING: model 325
FIGURE 107 (1)



COMPRESSOR, RECIPROCATING: model 325
FIGURE 107 (2)

1. Gasket: head to block
2. Ring, Piston: compression
3. Ring Set, Piston: high pressure
4. Ring, Piston: scraper
5. Ring, Piston: oil control
6. Valve, Compressor: crankcase breather
7. Rod, Compressor: low pressure
8. Gasket: bearing carrier
9. Shim
10. Bearing Half, Sleeve: lower
11. Bearing Half, Sleeve: upper
12. Rod, Compressor
13. Ring, Piston: oil control
14. Ring Set, Piston: low pressure
15. Ring, Piston: scraper
16. Ring, Piston: compression
17. Gasket: head to cooler
18. Gasket: low pressure discharge valve cover plate
19. Valve, Safety Relief: pressure
20. Bolt, Machine: head mtg
21. Washer, Flat: head mtg bolt
22. Diaphragm: unloader
23. Spring, Helical, Compression: unloader kickoff
24. Spring, Helical, Extension
25. Gasket: inspection plate
26. Gasket: block to crankcase
27. Washer, Flat: low pressure section valve seat
28. Bumper: low pressure suction valve
29. Stud: low pressure suction valve

COMPRESSOR, RECIPROCATING: model 325

FIGURE 107 (3)

30. Valve Assembly, Suction: low pressure
31. Spring, Helical, Compression: low pressure suction valve seat
32. Washer, Thrust: low pressure suction valve
33. Seat: low pressure suction valve
34. Bumper: low pressure discharge valve
35. Spring, Helical, Compression: low pressure discharge valve seat
36. Washer, Thrust: low pressure discharge valve
37. Valve Assembly, Discharge: low pressure
38. Stud: low pressure discharge valve
39. Seat: low pressure discharge valve
40. Washer, Flat: low pressure discharge valve seat
41. Brace, Compressor
42. Pulley, Groove
43. Intercooler, Compressor
44. Bumper: breather valve
45. Washer, Flat: high pressure discharge valve seat
46. Seat: high pressure discharge valve
47. Valve Assembly, Discharge: high pressure
48. Stud: high pressure discharge valve
49. Washer, Thrust; high pressure suction valve
50. Spring, Helical, Compression: high pressure discharge valve seat
51. Bumper: high pressure discharge
52. Seat: high pressure suction valve
53. Spring, Helical, Compression: high pressure suction valve seat
54. Valve, Suction, Pressure: high pressure
55. Stud: high pressure suction valve
56. Bumper: high pressure suction valve
57. Washer, Flat: high pressure suction valve seat

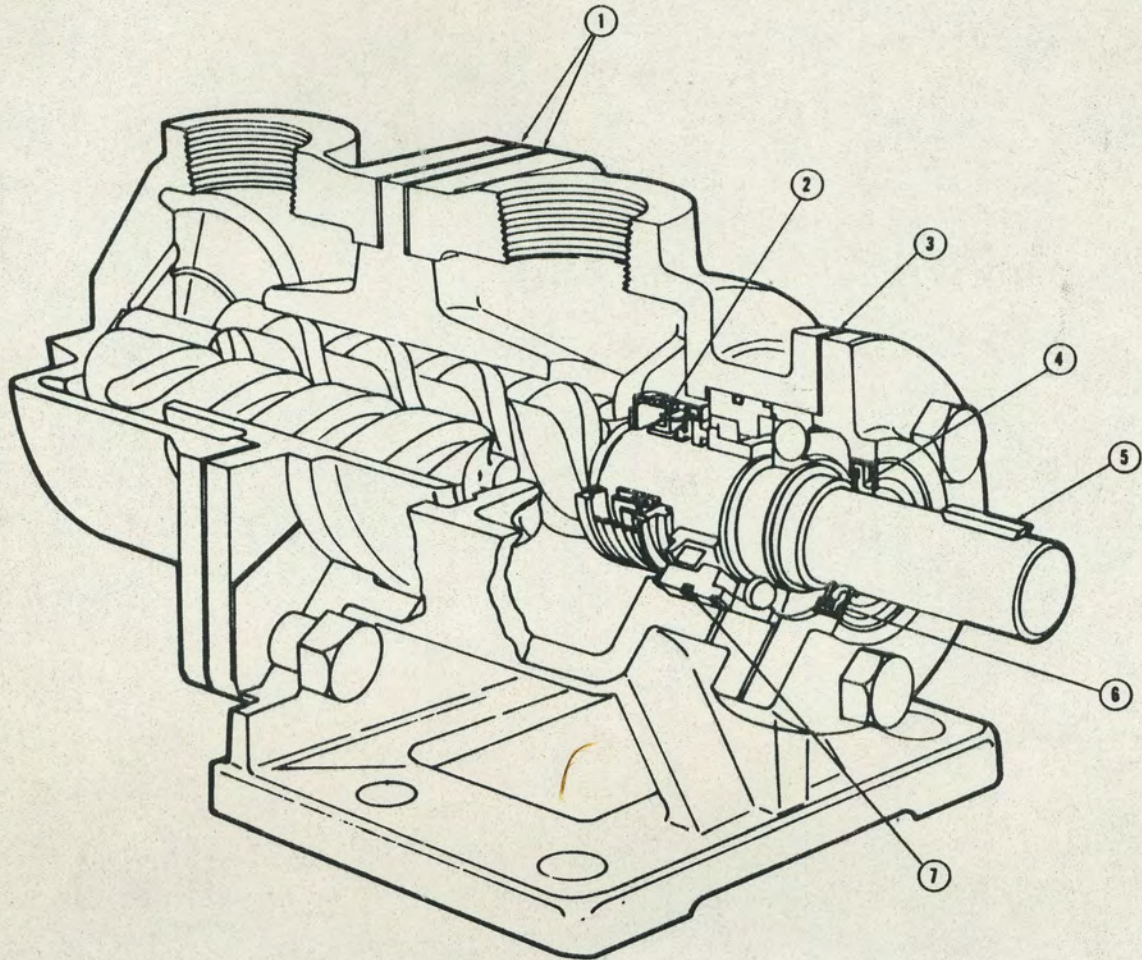
COMPRESSOR, RECIPROCATING: model 325

FIGURE 107 (4)

(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) IS DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS							
TOOL/VC SOURCE	MAINT LEVEL RECOV.						2ND ECHELON				FIG NO	ITEM NO						
							1-5	6-20	21-50	51-100			(A)	(B)				
			<u>5000 AIR COMPRESSOR ASSEMBLY (CONTINUED)</u>															
			GASKET SET: - Continued															
			1 EA GASKET, low pressure discharge valve cover (P/N 1852)							107	18							
			2 EA WASHER, FLAT, high pressure valve assy (P/N 1876)							107	45							
			2 EA WASHER, FLAT, low pressure valve assy (P/N 1848)							107	40							
			<u>5001 CRANKCASE, BLOCK, CYLINDER HEAD</u>															
C	O	5306-261-3385	BOLT, MACHINE: cylinder head mtg (P/N 1838)							EA	8	*	*	*	*	107	2	
			GASKET:															
MO	O	5330-424-5815	cylinder block to crankcase (P/N 1833) (Fabricate from PAPER, GASKET 5330-286-9966)							EA	2					107	26	
P	O	4310-334-0561	cylinder head to block (P/N 5699)							EA	2	*	1	2	2	107	1	
P	O	5330-333-1886	cylinder head to cooler (P/N 5700)							EA	2	*	1	2	2	107	17	
C	O	5330-550-7481	inspection plate (P/N 1840)							EA	2	*	1	2	2	107	25	
C	O	5310-187-1855	WASHER, FLAT: cylinder head mtg bolt (P/N 1478)							EA	8	*	*	*	*	107	21	
			<u>5002 CRANKSHAFT</u>															
			<u>5002.03 COMPRESSOR DRIVE</u>															
5	C	O	3030-246-0167	BELTS, V, MATCHED SET: 2 per set (P/N B68-2)							SE	2	*	*	*	*		
5	C	O	3020-517-1767	PULLEY, GROOVE: 2 grooves (P/N 4127)							EA	2	*	*	*	*	107	42
			<u>5004 PISTONS, CONNECTING RODS</u>															
5	P	O	4310-413-2877	RING SET, PISTON: high pressure (P/N 4422) c/o 1 EA RING, PISTON, compression (P/N 1652P) 1 EA RING, PISTON, oil control (P/N 1653) 2 EA RING, PISTON, scraper (P/N 1652S)							SE	2	*		*	1	107	3
																107	2	
																107	5	
																107	4	
C	O	2805-354-8481	RING SET, PISTON: low pressure (P/N 4434) c/o 1 EA RING, PISTON, compression (P/N 2584P) 1 EA RING, PISTON, oil control (P/N 2645) 2 EA RING, PISTON, scraper (P/N 2584S)							SE	2	*	*	*	1	107	14	
																107	16	
																107	13	
																107	15	
5	C	O	4310-423-3055	ROD, COMPRESSOR: high pressure (P/N 1829AHPX)							EA	2	*	*	*	*	107	12
			BEARING HALF, SLEEVE:															
5	C	O	4310-354-8472	lower, grooved (P/N 2827)							EA	2	*	*	*	1	107	10
C	O	3120-354-8473	upper, plain (P/N 2828)							EA	2	*	*	*	1	107	11	
5	C	O	4310-423-3036	ROD, COMPRESSOR: low pressure (P/N 1829AX)							EA	2	*	*	*	*	107	7
			BEARING HALF, SLEEVE:															
5	C	O	4310-354-8472	lower, grooved (P/N 2827)							EA	2	*	*	*	1	107	#
C	O	3120-354-8473	upper, plain (P/N 2828)							EA	2	*	*	*	1	107	#	

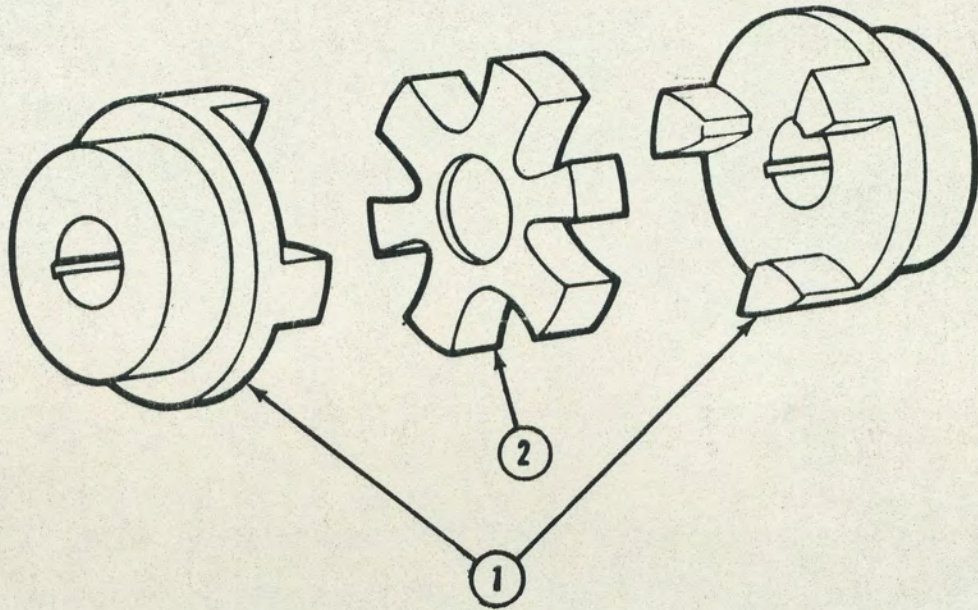
(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDIBILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TECHNIC SOURCE	MAINT LEVEL	RECOV.	2ND ECHELON						FIG NO	ITEM NO					
			1-5								6-20	21-50	51-100	(A)	(B)
				<u>5004.01 BEARINGS</u>											
5	MO	O		4310-424-5814	GASKET: bearing carrier (P/N 1831) (Fabricate from PAPER, GASKET 5330-286-9966)	EA		2						107	
5	C	O		4310-360-4045	SHIM, COMPRESSOR: bearing adjustment .005 in. thk (P/N 1832)	EA		AR	*	*	*	*		107	9
5	C	O		4310-413-2880	.007 in. thk (P/N 1832A)	EA		AR	*	*	*	*		107	9
5	C	O		4310-413-2881	.020 in. thk (P/N 1832B)	EA		AR	*	*	*	*		107	9
5	C	O		4310-413-2882	SHIM, COMPRESSOR: paper, .005 in. thk (P/N 1832C)	EA		AR	*	*	*	*			
				<u>5005 VALVES & TIMING MECHANISM</u> <u>5005.01 VALVES, SPRINGS, SEATS</u>											
5	C	O		4310-360-4064	GASKET: cover plate, low pressure discharge valve (P/N 1852)	EA		2	*	1	2	2		107	18
5	C	O		4310-424-5818	valve cover, high pressure (P/N 1877)	EA		4	2	2	4	4		107	
5	C	O		4310-416-2345	VALVE, SUCTION, PRESSURE: high pressure, incl gasket, pins & springs (P/N 1822XU)	EA		2	*	*	*	*		107	54
	P	O		5340-360-4073	SPRING, HELICAL, COMPRESSION: valve seat (P/N 1847)	EA		2	*	*	*	*		107	53
	C	O		5310-255-0287	WASHER, FLAT: valve seat (P/N 1876)	EA		2	*	*	*	*		107	57
5	C	O		4310-360-4081	WASHER, THRUST: suction valve (P/N 1875)	EA		2	*	*	*	*		107	49
5	P	O		4310-354-8465	VALVE ASSEMBLY, DISCHARGE: high pressure (P/N 1825X)	EA		2	*	*	*	*		107	47
	C	O		5340-360-4068	SPRING, HELICAL, COMPRESSION: valve seat (P/N 1850)	EA		6	*	*	*	*		107	50
	C	O		5310-255-0287	WASHER, FLAT: valve seat (P/N 1876)	EA		2	*	*	*	*		107	45
5	P	O		4310-354-8463	VALVE ASSEMBLY, DISCHARGE: low pressure (P/N 1819X)	EA		2	*	*	*	*		107	37
	C	O		5340-360-4068	SPRING, HELICAL, COMPRESSION: valve seat (P/N 1850)	EA		6	*	*	*	*		107	35
	C	O		5310-255-0281	WASHER, FLAT: valve seat (P/N 1848)	EA		2	*	*	*	*		107	40
	P	O		3120-360-4072	WASHER, THRUST: valve (P/N 1846)	EA		2	*	*	*	*		107	36
5	P	O		4310-354-8468	VALVE ASSEMBLY, SUCTION: low pressure (P/N 2063X)	EA		2	*	*	*	*		107	30
	P	O		5340-360-4069	SPRING, HELICAL, COMPRESSION: valve seat (P/N 2037)	EA		2	*	*	*	*		107	31
	C	O		5310-255-0281	WASHER, FLAT: valve seat (P/N 1848)	EA		2	*	*	*	*		107	27
	P	O		3120-360-4072	WASHER, THRUST: valve seat (P/N 1846)	EA		2	*	*	*	*		107	32
				<u>5006 LUBRICATION SYSTEM COMPONENTS</u> <u>5006.02 CRANKCASE VENTILATION</u>											
5	P	O		4310-360-4040	BUMPER: breather valve (P/N 1680)	EA		2	*	*	*	*		107	44
5	P	O		4310-360-4036	VALVE, COMPRESSOR: crankcase breather (P/N 1679)	EA		2	*	*	*	*		107	6
				<u>5008 AIR INTAKE</u>											
5	C	O		4310-267-2941	AIR CLEANER, INTAKE: compressor (P/N 1369X)	EA		2	*	*	*	*			
5	P	O		4310-779-6180	ELEMENT, AIR CLEANER, INTAKE (P/N 2559X)	EA		2	*	*	*	*			

(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MANTY ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS	
TECH. SRC	SOURCE MAINT RECOV.	LEVEL						2ND ECHOLON				FIG NO (A)	ITEM NO (B)
								1-1	6-R	21-R	51-100		
				<u>5009 UNLOADER SYSTEM COMPONENTS</u>									
5	C	O	4310-148-5511	DIAPHRAGM: unloader (P/N 1855)	EA		2	*	*	*	*	107	22
	C	O	5340-363-0318	SPRING, HELICAL, COMPRESSION: unloader kickoff (P/N 1858)	EA		2	*	*	*	*	107	23
5	C	O	4310-253-2917	SPRING, HELICAL, EXTENSION: centrifugal governor flyweights (P/N 1862)	EA		4	*	*	*	*	107	24
				<u>5009.03 UNLOADER VALVES</u>									
5	C	O	4310-363-6986	VALVE, COMPRESSOR: 3 way (P/N 3444)	EA		2	*	*	*	*		
5	P	O	4310-364-8471	FILTER, VALVE, COMPRESSOR: air (P/N 3441)	EA		4	*	*	*	*		
	C	O	5330-364-8473	GASKET: filter cap (P/N 3438)	EA		4	2	2	4	4		
	C	O	5340-171-9355	SHIM: inner valve seat (P/N 3442)	EA		2	*	*	*	*		
5	C	O	4820-167-9375	VALVE, SAFETY RELIEF: pressure (P/N 2667)	EA		2	*	*	*	*	107	19
				<u>5010 COMPRESSOR COOLING</u>									
	C	O	4310-413-2854	BRACE, COMPRESSOR: intercooler to crankcase (P/N 2522)	EA		4	*	*	*	*	107	41
5	P	O	4310-360-4076	INTERCOOLER, COMPRESSOR: finned (P/N 1828)	EA		2	*	*	*	*	107	43
				<u>GROUP 55 PUMPS</u> <u>A5500 PUMP ASSEMBLY</u> <u>(DELAVAL MODEL A313A143)</u>									
				Note: Give ser no. & complete nameplate data of PUMP, ROTARY when requisitioning repair parts.									
	P	O	T	4320-766-7902	PUMP, ROTARY: fuel transfer, 1-1/4 in. inlet & outlet, DeLaval model A313A143	EA		1	*	*	*	*	108
				<u>A5500.08 BEARINGS</u>									
9	C	O	3110-155-6197	BEARING, BALL, ANNULAR: rotor shaft (P/N CAAXLEN)	EA		1	*	*	*	1	108	6
				<u>A5500.09 GASKETS, SEALS, PACKING</u>									
	C	O	5330-030-3206	GASKET: end cover (P/N S1123AV)	EA		1	*	*	1	1	108	3
	C	O	5330-030-3205	rotor housing (P/N S1123BC)	EA		1	*	*	1	1	108	1
5	C	O	4320-034-8284	PACKING, PREFORMED: oil seal (P/N S1123AW)	EA		1	*	*	*	1	108	7
	C	O	5330-097-4241	SEAL: pump (P/N S1146A)	EA		1	*	*	1	1	108	2
	C	O	5330-097-4242	SEAL, PLAIN ENCASED: shaft (P/N S1146AA)	EA		1	*	*	1	1	108	4



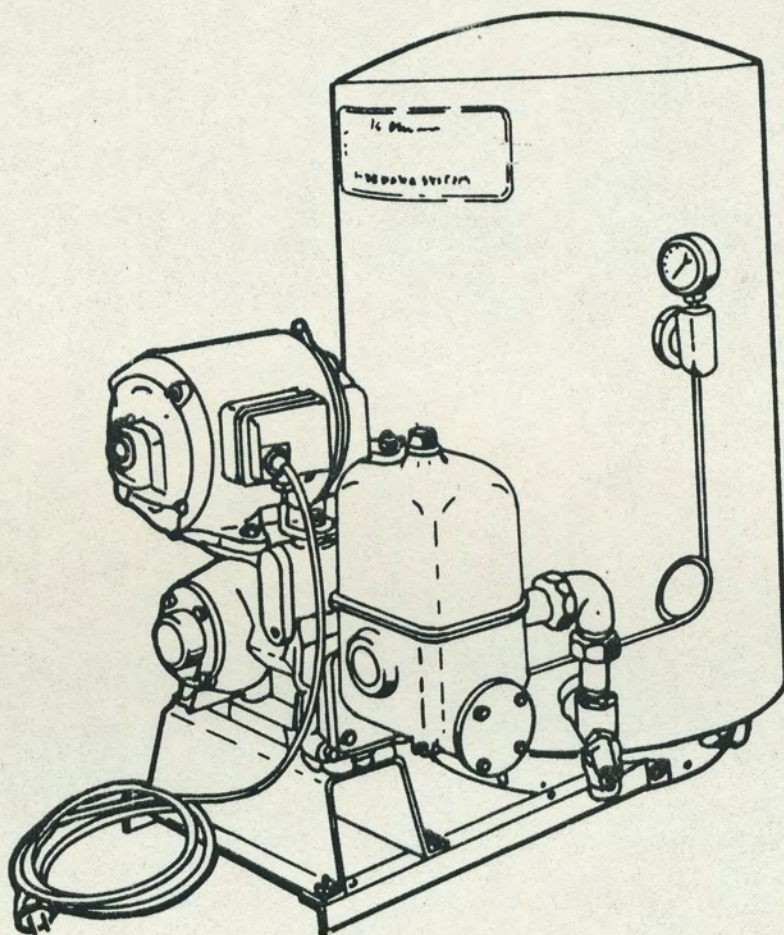
1. Gasket: rotor housing
2. Seal, Mechanical: pump
3. Gasket: end cover
4. Seal, Plain Encased: shaft
5. Key, Machine
6. Bearing, Ball, Annular: shaft
7. Packing, Preformed: oil seal

PUMP, ROTARY: fuel transfer
FIGURE 108

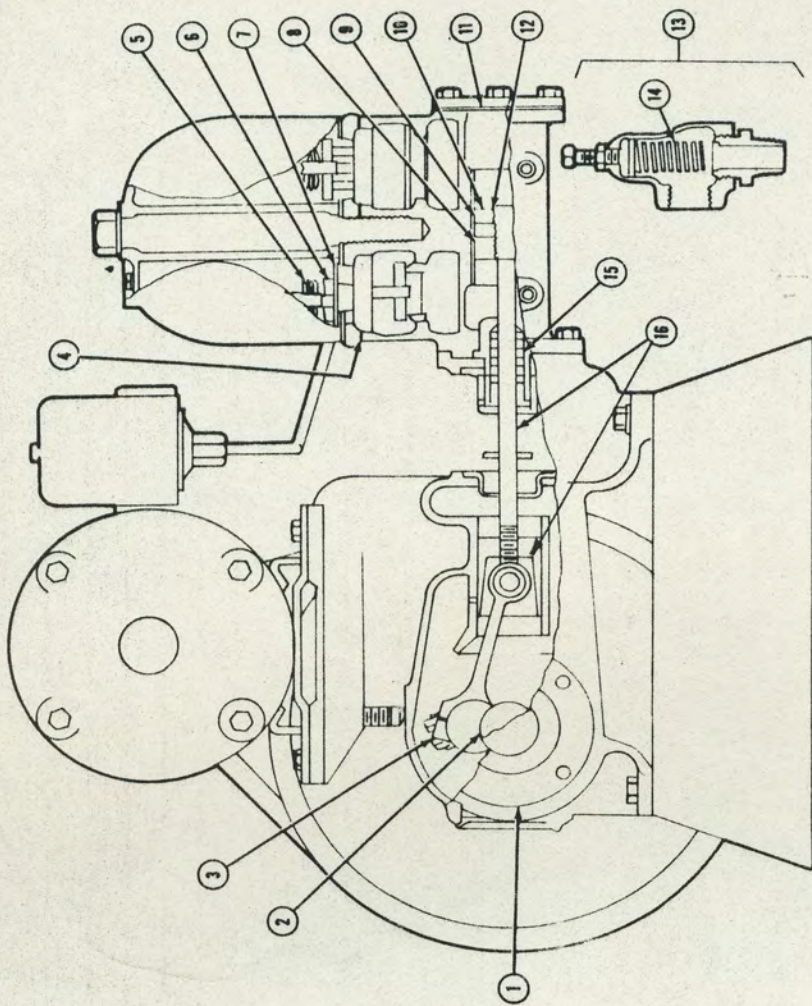


1. Hub: coupling
2. Insert, Flexible Coupling

COUPLING, SHAFT, FLEXIBLE
FIGURE 109



PUMP, RECIPROCATING, POWER DRIVEN: w/motor
FIGURE 110

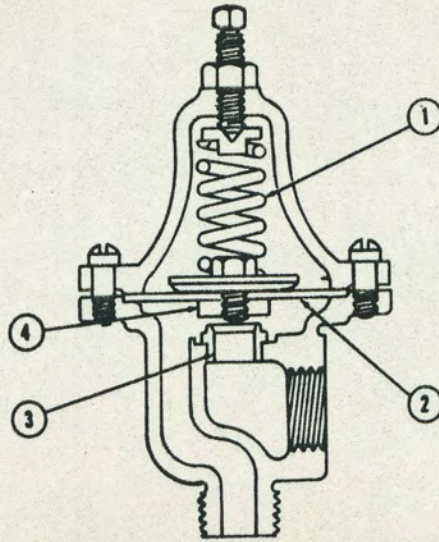


- 1. Gasket: main bearing plate
- 2. Liner
- 3. Rod Assembly, Pump: connecting, incl cap
- 4. Gasket: valve plate & bonnet
- 5. Spring, Helical, Compression
- 6. Valve, Suction Or Discharge
- 7. Seat, Valve
- 8. Follower, Piston, Pump

- 9. Cup, Piston
- 10. Piston, Pump
- 11. Gasket: water box head
- 12. Spreader, Piston Cup, Leather
- 13. Valve Assembly, Pump
- 14. Spring
- 15. Packing
- 16. Rod Assembly, Pump: incl crosshead

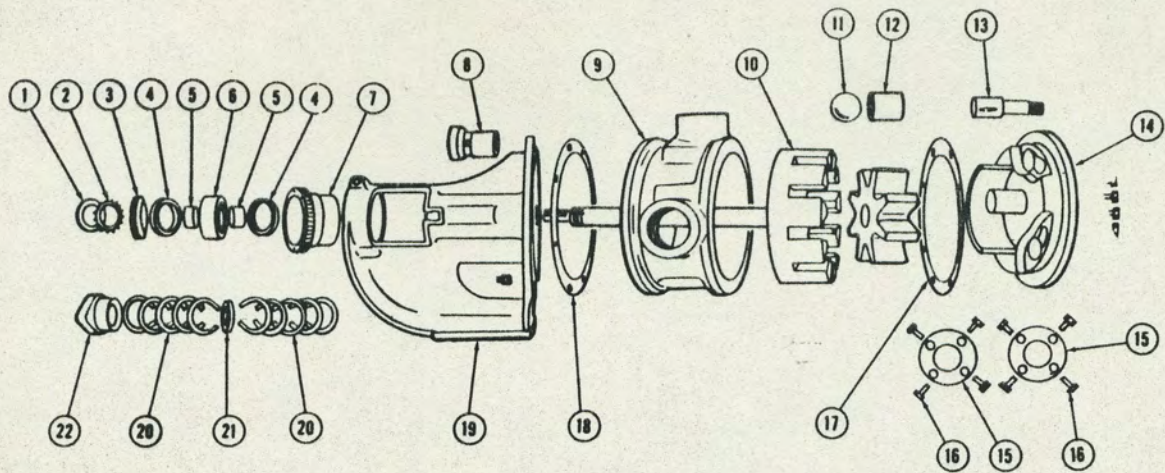
PUMP: fresh water supply
FIGURE 111

(1) SOURCE MAINT. & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TROUBLE SOURCE	MAINT LEVEL	RECOV.	2ND ECHELON						FIG NO	ITEM NO					
			1-5								6-20	21-50	51-100	(A)	(B)
				<u>A5509 PUMP DRIVE COMPONENTS</u> <u>A5509.06 COUPLINGS</u>											
Pl	O			3010-517-1846	COUPLING, SHAFT, FLEXIBLE: pump to motor, motor hub bored 0.7500 in. to 0.7505 in. dia, w/straight keyway 3/16 in. w, 3/32 in. deep, pump hub bored 0.8750 in. to 0.8745 in. dia, keyway 0.156 in. to 0.155 in. w, 0.088 in. to 0.078 in. deep for no. 8 woodruff key (P/N L095)	EA		1	*	*	*	*		109	
Pl	O			3010-528-0813	INSERT, FLEXIBLE COUPLING: neoprene (P/N L095SPIDER)	EA		1	*	*	*	*		109	2
				<u>B5500 PUMP ASSEMBLY</u> <u>(FAIRBANKS MORSE MODEL A625-44)</u>											
				Note: Give ser no. & complete nameplate data of PUMP when requisitioning repair parts.											
5	Pl	O	T	4320-289-3854	PUMP, RECIPROCATING, POWER DRIVEN: assy, incl motor, pressure switch & tank, Fairbanks Morse model A625-44	EA		2	*	*	*	*		110	
				<u>B5500.03 PISTONS & CROSSHEADS</u>											
	C	O		4320-097-0637	CUP, PISTON: leather (P/N PDA661C)	EA		4	1	1	2	2	111	9	
5	P	O		4320-418-0110	FOLLOWER, PISTON, PUMP (P/N PDA664A)	EA		2	*	*	*	*	111	8	
5	P	O		4320-418-0120	LINER: main bearing plate (P/N PBD22A1)	EA		2	*	*	*	*	111	2	
5	P	O		4320-653-0008	LINER, BEARING, PUMP: pulley side (P/N PBD23A2)	EA		2	*	*	*	*	111		
5	P	O		4320-366-8570	PISTON, PUMP (P/N PDA663A)	EA		2	*	*	*	*	111	10	
				ROD ASSEMBLY, PUMP: connecting, incl cap (P/N PBE18A)											
5	Pl	O		4320-499-6117	connecting, incl cap (P/N PBE18A)	EA		2	*	*	*	*	111	3	
5	Pl	O		4320-418-0134	incl crosshead (P/N PBE408C2)	EA		2	*	*	*	*	111	16	
5	P	O		4320-626-8461	SPREADER, PISTON CUP, LEATHER (P/N PDA662B)	EA		4	*	*	1	1	111	12	
				<u>B5500.06 SUCTION & DISCHARGE ASSEMBLY</u>											
5	C	O		4320-790-2345	SEAT, VALVE: incl stem & cotter pin (P/N PFC514A)	EA		8	*	*	*	*	111	7	
	C	O		5340-776-7633	SPRING, HELICAL, COMPRESSION: suction & discharge valve (P/N PGC317A)	EA		16	*	*	*	*	111	5	
5	P	O		4320-418-0149	VALVE, SUCTION OR DISCHARGE (P/N PBE10A)	EA		16	*	*	*	*	111	6	
				<u>B5500.09 GASKET, SEALS, PACKING</u>											
				GASKET:											
	C	O		5330-418-0112	main bearing plate (P/N PBD168A)	EA		12	2	4	6	8	111	1	
	C	O		5330-588-5535	valve plate & bonnet (P/N PDB388A1)	EA		4	1	2	3	4	111	4	
	C	O		5330-588-5534	water box head (P/N PEB190A)	EA		2	*	*	2	2	111	11	
	C	O		5330-418-0203	PACKING: stuffing box (P/N PCD80B1)	EA		14	2	4	6	8	111	15	
				<u>B5503 RELIEF VALVES</u>											
5	Pl	O		4320-499-6120	VALVE ASSEMBLY, PUMP: relief, incl seat & spring cup (P/N 283CFAR283A)	EA		2	*	*	*	*	111	13	



- 1. Spring
- 2. Diaphragm, Pump
- 3. Seat, Valve, Pump
- 4. Valve, Pump

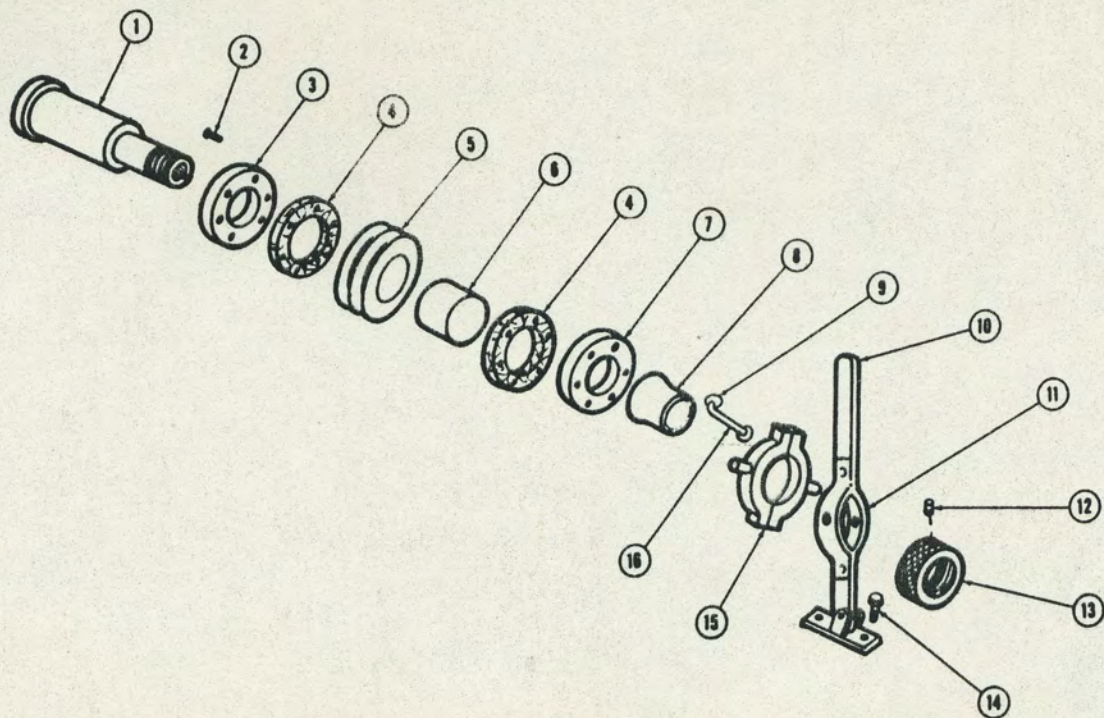
VALVE: compensator
FIGURE 112



1. Locknut
2. Washer
3. Cap
4. Seal, Plain, Encased: rotor shaft
5. Spacer
6. Bearing, Ball, Annular: rotor shaft
7. Housing: bearing
8. Bushing, Pump Bracket
9. Case
10. Rotor, Pump
11. Disc
12. Bushing: idler
13. Pin: idler
14. Head
15. Gasket: relief valve
16. Screw: relief valve
17. Gasket: head
18. Gasket: back flange
19. Bracket: pump
20. Packing Set
21. Ring: packing
22. Gland, Packing, Pump

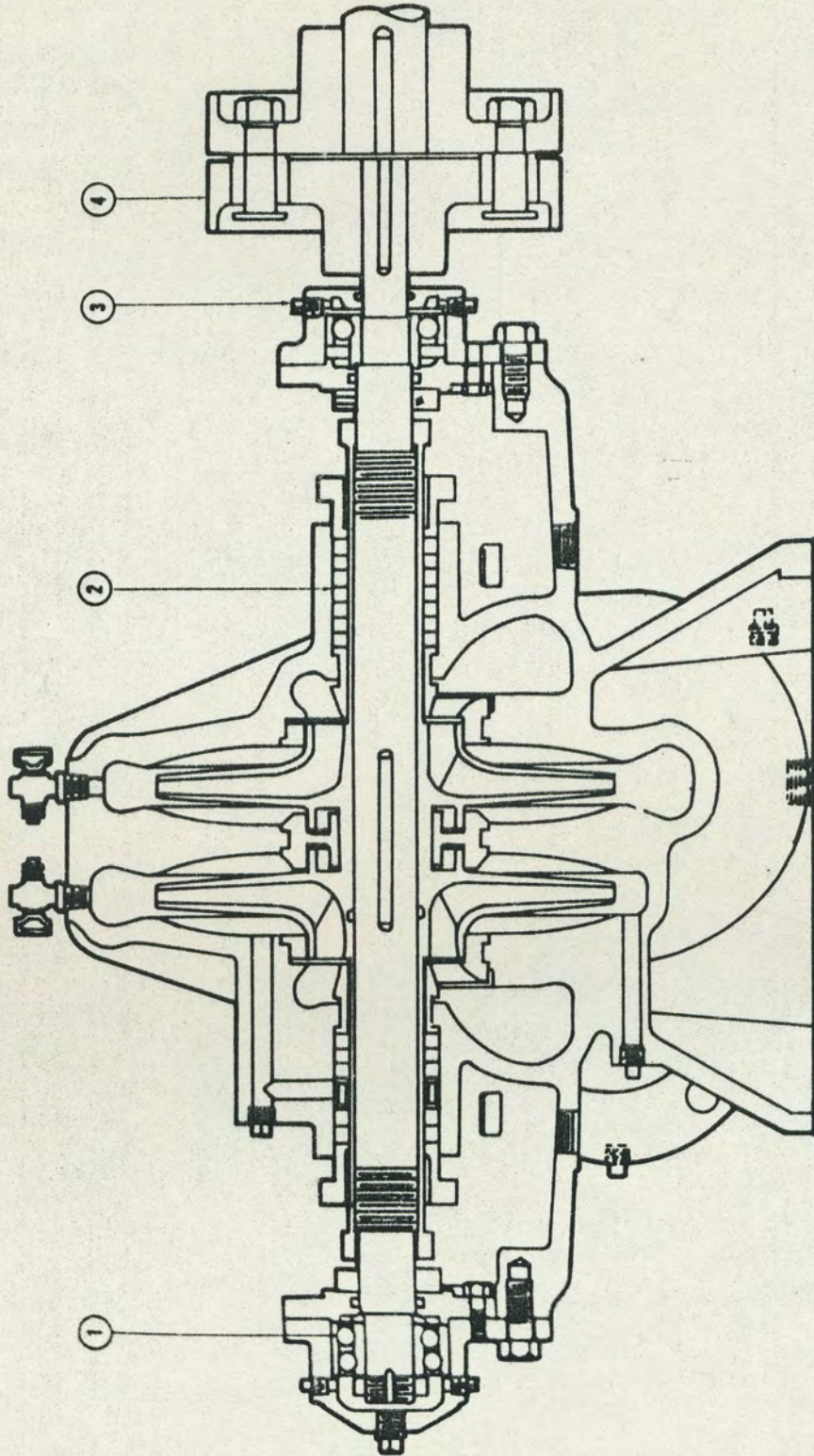
PUMP, BILGE
FIGURE 113

(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR INC. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS		
TDA/PC	SOURCE	MAINT LEVEL	RECOV.					2ND ECHOLON				FIG NO	ITEM NO	
								1-5	6-20	21-80	81-100			(A)
<u>B5503 RELIEF VALVES (CONTINUED)</u>														
9	C	O		3110-100-6160	VALVE ASSEMBLY, PUMP: - Continued BALL, BEARING: 5/8 in. dia (P/N 5-8BALL)	EA	2	*	*	*	*	111		
	C	O		5340-418-0141	SPRING: regulating (P/N P2AR246A)	EA	2	*	*	*	*	111	14	
<u>B5505 CONTROL VALVES</u>														
5	C	O		4320-099-8735	DIAPHRAGM, PUMP: pressure compensator (P/N PFC292A1)	EA	2	*	*	*	*	112	2	
5	C	O		4320-099-8736	SEAT, VALVE, PUMP: pressure compensator (P/N PFC285A1)	EA	2	*	*	*	*	112	3	
	C	O		5340-330-8190	SPRING: pressure compensator valve (P/N PFC246A1)	EA	2	*	*	*	*	112	1	
5	P	O		4320-099-8737	VALVE, PUMP: pressure compensator (P/N PFC284A1)	EA	2	*	*	*	*	112	4	
<u>B5509 PUMP DRIVE COMPONENTS</u>														
<u>B5509.02 PUMP DRIVE ASSEMBLY</u>														
5	C	O		3030-180-2119	BELT, V: water pressure set drive (P/N 2930)	EA	2	*	*	*	*			
<u>C5500 PUMP ASSEMBLY</u>														
<u>(VIKING MODEL L124)</u>														
Note: Give ser no. & complete nameplate data of PUMP, BILGE when requisitioning repair parts.														
5	P	O	T	4320-512-9228	PUMP, BILGE: Viking model L124 (P/N L124LMG293)	EA	1	*	*	*	*	113		
<u>C5500.08 BEARINGS</u>														
9	C	O		3110-156-4850	BEARING, BALL, ANNULAR: rotor shaft (P/N 5207)	EA	1	*	*	*	1	113	6	
	C	O		3120-499-2527	BUSHING: idler (P/N 26LGE1Q)	EA	1	*	*	*	*	113	12	
9	C	O		2930-379-0218	BUSHING, PUMP BRACKET (P/N 12LEL390BRONZE88)	EA	1	*	*	*	*	113	8	
<u>C5500.09 GASKETS, SEALS, PACKING</u>														
GASKET:														
	C	O		5330-375-4671	back flange (P/N 19LGT1Q212)	EA	1	*	*	1	1	113	18	
	C	O		4320-544-9626	head (P/N 19LGL7)	EA	1	*	*	1	1	113	17	
	C	O		5330-375-4672	relief valve (P/N 19LS254)	EA	2	*	1	2	2	113	15	
	C	O		5330-375-2941	SEAL: grease, end cap (P/N 34KNTDWG657NEOPRENE)	EA	1	*	*	*	1			
	P	O		5330-291-9031	SEAL, PLAIN ENCASED: rotor shaft (P/N TCSK6873-47PC2)	EA	2	*	*	1	1	113	4	
<u>C5509 PUMP DRIVE COMPONENTS</u>														
<u>C5509.02 PUMP DRIVE ASSEMBLY</u>														
5	C	O		3030-330-8819	BELTS, V, MATCHED SET: bilge pump drive, 2 belts in set (P/N 17541351)	SE	1	*	*	*	*			
<u>C5509.04 PUMP DRIVE CLUTCH</u>														
	C	O		3010-707-1352	CLUTCH ASSEMBLY: bilge pump model V045 (P/N XA3265-13683)	EA	1	*	*	*	*	114		
	C	O		3010-423-8018	LINING, FRICTION: drive disc (P/N A1499)	EA	2	*	*	*	*	114	4	



1. Hub
2. Rivet, Tubular
3. Plate: back clamping
4. Lining, Friction: drive disc
5. Sheave
6. Bushing, Compressor
7. Plate: clamping
8. Sleeve
9. Roller, Lever
10. Lever: clutch
11. Yoke
12. Screw
13. Nut
14. Capscrew
15. Collar Assembly
16. Lever: roller

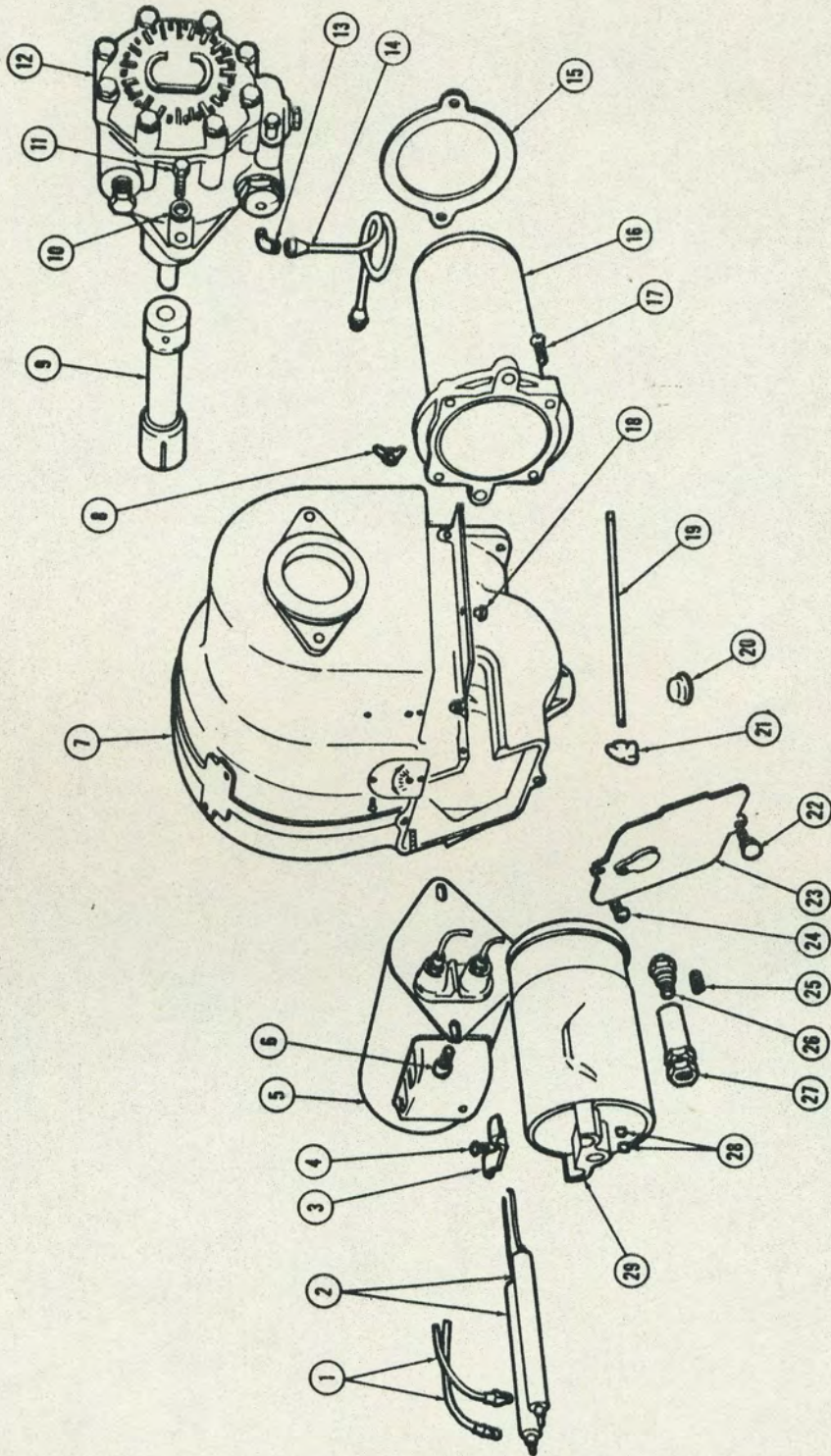
CLUTCH ASSEMBLY: bilge pump
FIGURE 114



- 1. Bearing, Ball, Annular: radial
- 2. Packing Ring
- 3. Bearing, Ball, Annular: thrust
- 4. Coupling Half, Shaft

PUMP, CENTRIFUGAL: model JC
FIGURE 115

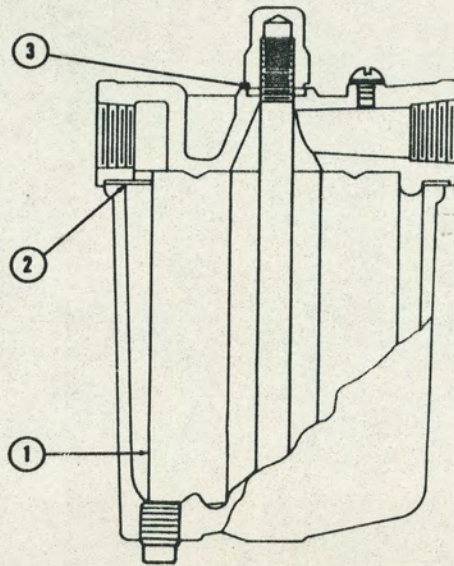
(1) SOURCE MAINT & RECOY CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TECHNIC	SOURCE	MAINT LEVEL	RECOY.						2ND ECHELON				FIG NO	ITEM NO
									1-5	6-20	21-50	51-100		
					<u>D5500 PUMP ASSEMBLY</u> (WEINMAN PUMP MODEL JC)									
					Note: Give ser no. & complete nameplate data of PUMP, CENTRIFUGAL when requisitioning repair parts.									
	P I	O	T	4320-379-2038	PUMP, CENTRIFUGAL: 500 gpm, Weinman Pump model JC (P/N JC495-3)	EA		1	*	*	*	*	115	
					<u>D5500.08 BEARINGS</u>									
9	C	O		3110-155-9556	BEARING, BALL, ANNUALAR: radial (P/N 4307)	EA		1	*	*	*	*	115	1
9	C	C		3110-156-4607	thrust (P/N 5406)	EA		1	*	*	*	*	115	3
					<u>D5500.09 GASKETS, SEALS, PACKING</u>									
	M O	O			GASKET: discharge flange (P/N Q28-5) (Fabricate from RUBBER SHEET, SOLID 5330-261-5761)	EA		1						
					Note: Fabricate the following 2 items from PAPER, GASKET 5330-286-9966.									
	M O	O			GASKET: large (P/N 3247-1)	EA		1						
	M O	O			small (P/N 3247-2)	EA		1						
	M O	O			PACKING RING: stuffing box (P/N Q27-7) (Fabricate from PACKING MATERIAL 5330-197-8528)	EA		12					115	2
					<u>D5509 PUMP DRIVE COMPONENTS</u>									
					<u>D5509.06 COUPLINGS</u>									
	C	O		3010-795-3664	COUPLING HALF, SHAFT: engine to pump, w/6 pins & insert (P/N 27024501)	EA		1	*	*	*	*	115	4
	C	O		3010-379-2247	DISC, COUPLING, CENTER (P/N 05A803)	EA		1	*	*	*	*	115	#
					<u>GROUP 60 HEATING BOILER</u>									
					<u>6001 BOILER ASSEMBLY</u>									
					Note: Give ser no. & complete nameplate data of BOILER, HEATING, LOW PRESSURE when requisitioning repair parts.									
					BOILER, HEATING, LOW PRESSURE: Crane Co model W014-5 1 EA									
					<u>6003 BURNER ASSEMBLY</u>									
5	C	O		4530-034-8100	ADAPTOR, NOZZLE, BURNER: fuel (P/N 54791)	EA		1	*	*	*	*	116	27
5	P I	O		4330-096-2671	FILTER, FLUID, PRESSURE: fuel oil (P/N 1C12230)	EA		1	*	*	*	*	117	
5	P	O		4330-277-3273	FILTER ELEMENT, FLUID, PRESSURE (P/N 2230F1)	EA		1	*	*	1	1	117	1
5	C	O		4330-375-3334	GASKET: case to head (F/N A28-213-040)	EA		1	*	*	1	1	117	2
	P	O		5330-641-4108	head (F/N A7-213-042)	EA		1	*	*	1	1	117	3
	C	O		5330-766-7928	GASKET: flange to housing (P/N R256)	EA		1	*	*	1	1	116	15



BOILER OIL BURNER
FIGURE 116(1)

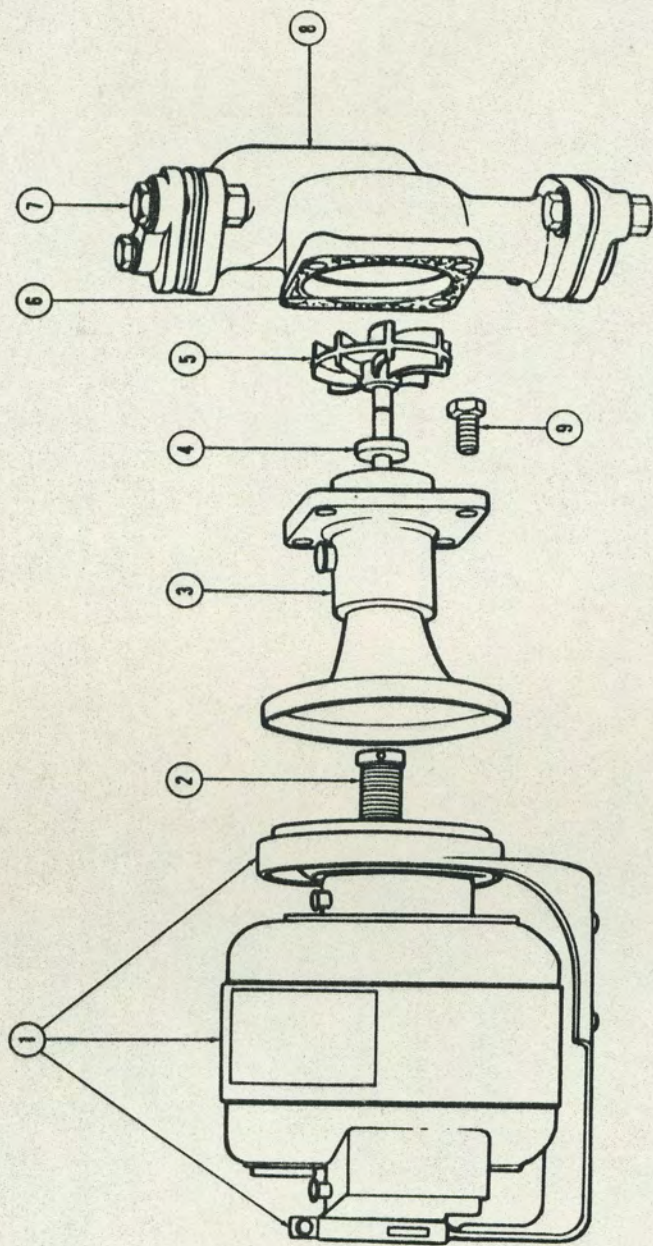
1. Lead
2. Electrode, Oil Burner
3. Clamp
4. Screw: clamp
5. Transformer, Ignition
6. Screw: transformer
7. Housing
8. Wingnut
9. Coupling
10. Lockwasher: fuel pump screw
11. Capscrew: fuel pump
12. Pump, Fuel, Oil Burner
13. Elbow
14. Tube Assembly
15. Gasket: flange to housing
16. Manifold
17. Screw: manifold to housing
18. Screw: air shutter rod
19. Rod
20. Plug
21. Knob
22. Thumbscrew
23. Cover
24. Screw: cover
25. Strainer: nozzle
26. Nozzle, Oil Burner Pressure
27. Adaptor, Nozzle, Burner
28. Setscrew
29. Sleeve

BOILER OIL BURNER
FIGURE 116 (2)



- 1. Filter Element, Fluid, Pressure
- 2. Gasket: case to head
- 3. Gasket: head nut

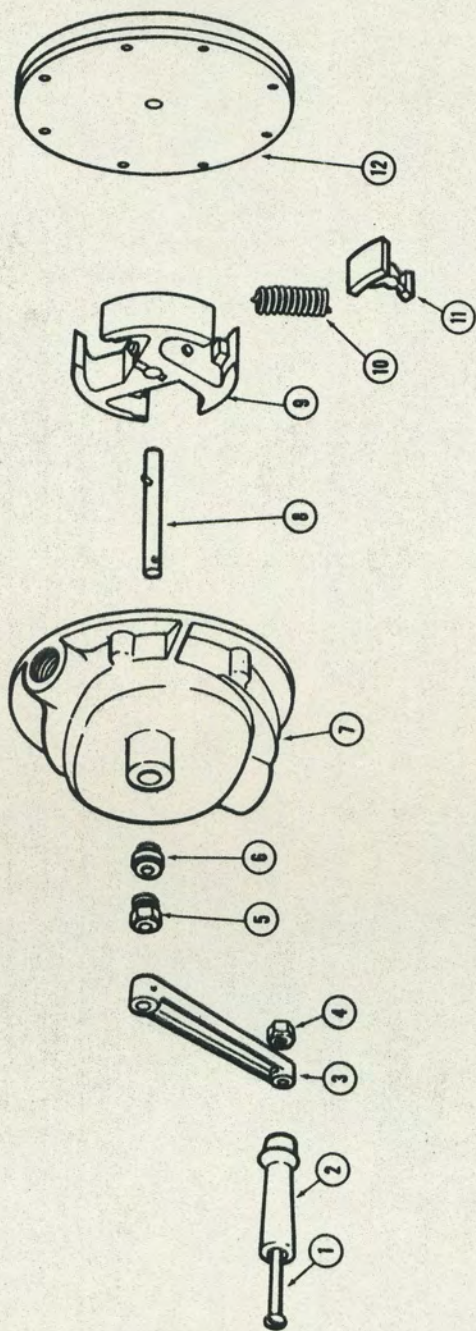
FILTER, FLUID, PRESSURE: boiler fuel oil
FIGURE 117



- 1. Motor, Direct Current
- 2. Coupling Assembly
- 3. Bracket
- 4. Seal
- 5. Impeller
- 6. Gasket
- 7. Flange Assembly
- 8. Body
- 9. Bolt, Machine

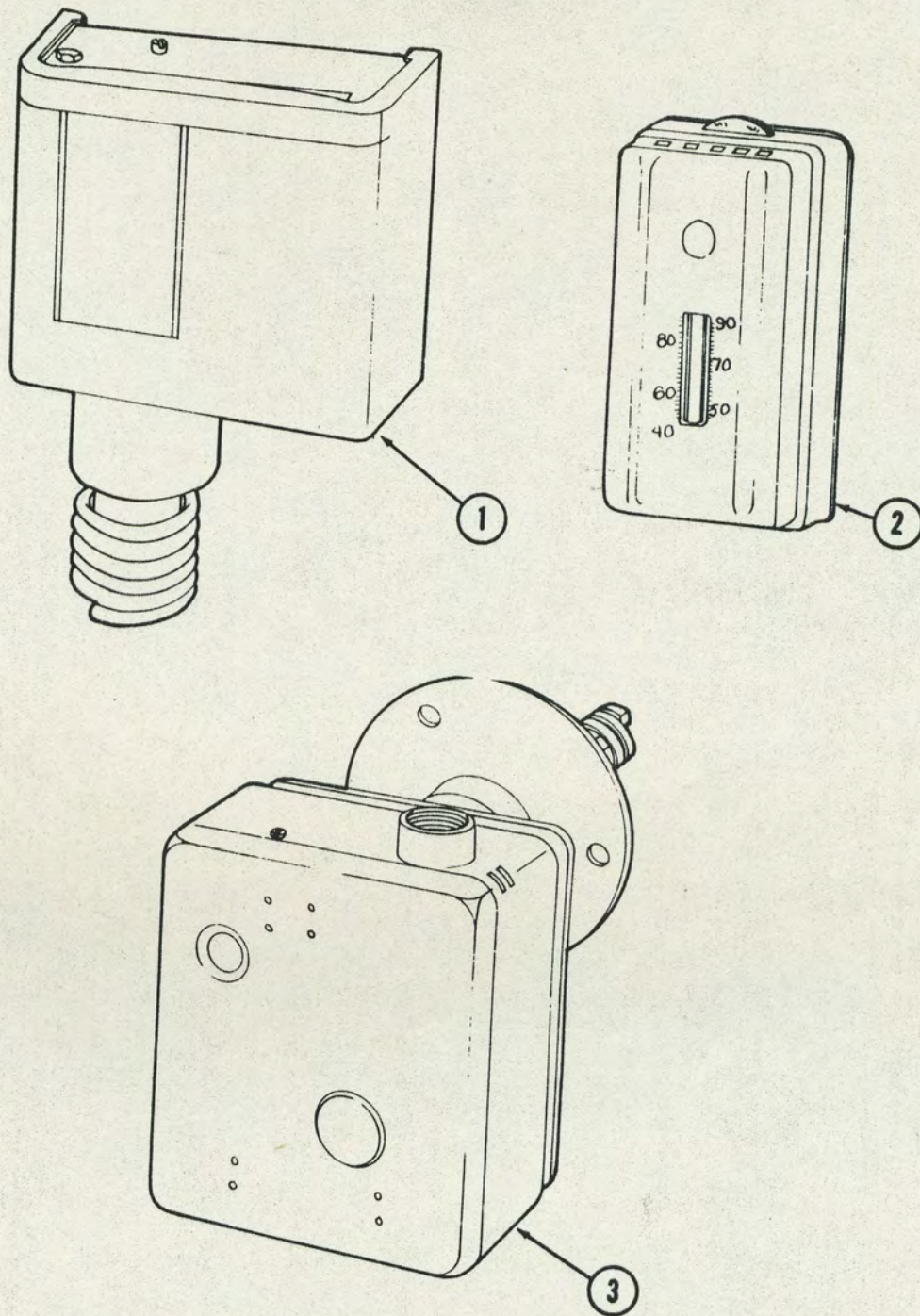
PUMP, CENTRIFUGAL: hot water circulating
 FIGURE 118

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS		
TRUCK	SOURCE	MAINT	RECOV.						2ND ECHELON				FIG NO	ITEM NO	
									1-5	6-20	21-50	51-100			(A)
					<u>6003 BURNER ASSEMBLY (CONTINUED)</u>										
5	C	O		4530-034-8101	NOZZLE, OIL BURNER PRESSURE: w/screen, 1.25 gal per hr, 80 deg angle (P/N 52631)	EA		1	*	*	*	*	116	26	
5	F	O		4320-360-5282	STRAINER: nozzle, fuel oil (P/N 101521)	EA		1	*	*	*	*	116	25	
5	C	O		4530-785-8261	TUBE ASSEMBLY: pump to nozzle (P/N 56781A)	EA		1	*	*	*	*	116	14	
					<u>6004 FUEL PUMP ASSEMBLY</u>										
5	C	O		4530-034-8102	PUMP, FUEL, OIL BURNER (P/N 51R140-4)	EA		1	*	*	*	*	116	12	
					<u>6011 CIRCULATING PUMP ASSEMBLY</u>										
					Note: PUMP, CENTRIFUGAL, P/N MODELHDH65232 is replaced by PUMP, CENTRIFUGAL, P/N 111.										
	C	O		4320-855-0808	PUMP, CENTRIFUGAL: hot water circulating (P/N 111)	EA		1	*	*	*	*	118		
	C	O		5306-753-8225	BOLT, MACHINE: body to flange, 3/8 in.-16 NC, 1 1/16 in. lg	EA		4	φ	φ	φ	φ	118	9	
5	C	O		4320-218-2791	COUPLING ASSEMBLY: pump to motor (P/N P034050-5-6-7)	EA		1	*	*	*	*	118	2	
	C	O		5330-796-4337	GASKET: body to flange (P/N 034150)	EA		1	*	*	1	1	118	6	
	C	O		5330-766-7930	SEAL: impeller shaft (P/N 09912Q6)	EA		1	*	*	1	1	118	4	
					<u>6011.01 MOTOR ASSEMBLY</u>										
5	C	O		6105-766-7976	MOTOR, DIRECT CURRENT: hot water circulating pump, 1/8 hp, 115 v, 1725 rpm (P/N 5BC44AB2122X)	EA		1	*	*	*	*	118	1	
9	C	O		3110-227-3403	BEARING, BALL, ANNULAR: armature shaft (P/N 5828718BG1)	EA		2	*	*	1	1	118	#	
	C	O		5977-216-8728	BRUSH, ELECTRICAL CONTACT: w/spring (P/N 5869390AKG1)	EA		2	1	2	3	4	118	#	
5	C	O		6106-417-1813	WASHER, FELT: pulley end (P/N 5828723AAP1)	EA		1	*	*	*	*	118	#	
					<u>6012 ROTARY HAND PUMP ASSEMBLY</u>										
P	O			4320-108-6966	PUMP, ROTARY, HAND DRIVEN: fuel oil supply to day tank (P/N MODELWH404)	EA		1	*	*	*	*	119		
5	C	O		4320-302-0912	BUCKET, ROTOR (P/N 070303)	EA		3	*	*	*	*	119	11	
					<u>6013 CONTROLS & SWITCHES</u>										
	C	O		4530-767-2090	CONTROL, COMBUSTION, OIL: stack switch (P/N 647-115VDC)	EA		1	*	*	*	*	120	3	
11	P	O		5930-766-7968	SWITCH, CONTROL: boiler temp, set at 190 deg F (P/N 272BT20STYLE2)	EA		1	*	*	*	*	120	1	
	P	O		5930-658-8250	SWITCH, THERMOSTATIC: temp control (P/N 872A01H7)	EA		1	*	*	*	*	120	2	
					<u>6027 ELECTRICAL SYSTEM</u> <u>6027.01 CONTROL PANEL</u>										
P	O			6110-418-1497	BUTTON, START: starting station (P/N 601-2-1)	EA		1	*	*	*	*			



- 1. Pin
- 2. Handle
- 3. Arm
- 4. Nut: handle to arm
- 5. Nut: arm to body
- 6. Packing
- 7. Body
- 8. Shaft
- 9. Rotor
- 10. Spring
- 11. Bucket, Rotor
- 12. Head

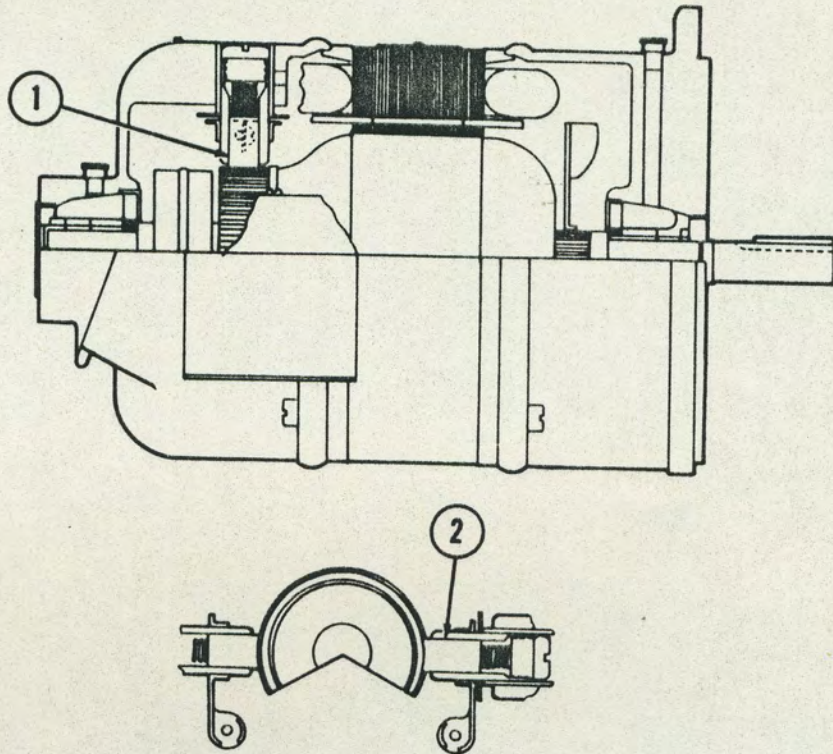
PUMP, ROTARY, HAND DRIVEN
FIGURE 119



1. Switch, Control: boiler temp
2. Switch, Thermostatic: temp control
3. Control Combustion, Oil: stack switch

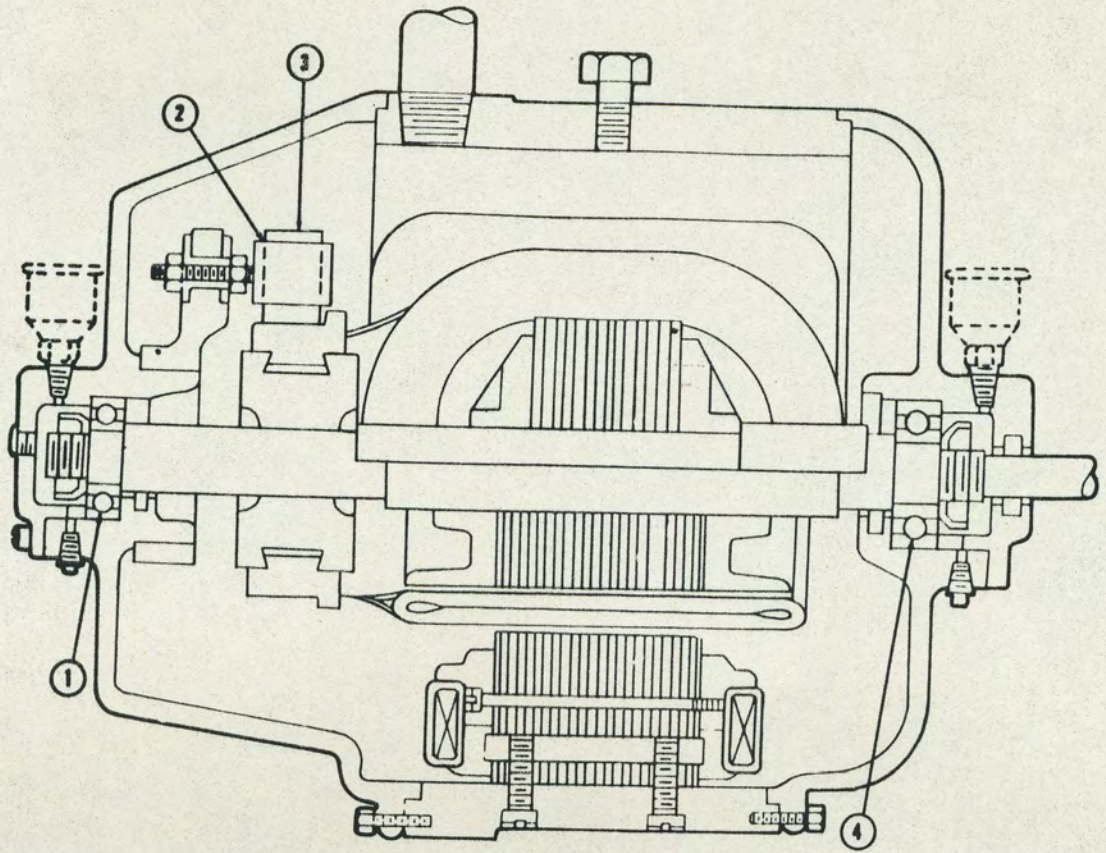
CONTROLS AND SWITCHES
FIGURE 120

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MABTY ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TECH. SVC.	SOURCE	MAINT	RECOV.						2ND ECHELON				FIG NO	ITEM NO
									1-5	6-20	21-50	51-100		
<u>6027.01 CONTROL PANEL (CONTINUED)</u>														
11	P	O		6110-418-1498	BUTTON, STOP: starting station (P/N 601-2-2)	EA		1	*	*	*	*		
11	P	O		5950-391-2307	COIL, SHUNT, CONTACTOR: controller (P/N 1F35-18900)	EA		1	*	*	*	*		
11	P	O		5945-035-8735	CONTACT, ELECTRICAL: movable (P/N 9-109) stationary (P/N 9-52)	EA		3	*	*	2	2		
11	P	O		5945-375-3018		EA		6	2	2	4	4		
5	C	O		5920-548-3125	FUSE, CARTRIDGE: line, 10 amp, 250 v, 9/16 in. dia, 2 in. lg (P/N MS90088-9)	EA		1	†	†	†	†		
11	P	O		5945-446-1617	HEATER, THERMAL RELEASE: 1/8 hp motor, hot water circulating pump (P/N 160-31-1-75)	EA		1	*	*	*	*		
11	P	O		5945-446-1618	1/4 hp motor converter (P/N 160-31-2-75)	EA		1	*	*	*	*		
	C	O		5340-375-3019	SPRING, SPIRAL: movable contact (P/N 930-2-61)	EA		3	*	*	*	*		
<u>6027.03 IGNITION ASSEMBLY</u>														
5	C	O		4530-785-8260	IGNITION ASSEMBLY: complete, less nozzle (P/N 50851A)	EA		1	*	*	*	*		
5	P	O		4530-030-3113	ELECTRODE, OIL BURNER: assy, ignition points & porcelain (P/N 50291)	EA		2	*	*	*	*	116	2
	C	O		4530-319-1067	TRANSFORMER, IGNITION (P/N 50262)	EA		1	*	*	*	*	116	5
<u>6027.04 MOTOR CONVERTER</u>														
Note: MOTOR, UNIVERSAL, P/N 54211 is replaced by MOTOR, P/N 18542.														
	C	O		6105-805-5134	MOTOR: converter type, 1/4 hp, 115 v, ac, dc, 1725 rpm (P/N 18542)	EA		1	*	*	*	*	121	
11	P	O		5977-033-3676	BRUSH, ELECTRICAL CONTACT: ac, ignition (P/N SA682-4) dc, motor (P/N SA681-2)	EA		2	1	1	2	2	121	2
11	P	O		5977-090-1421		EA		2	1	1	2	2	121	1
<u>GROUP 61 VENTILATING FANS</u>														
<u>6110 MOTOR ASSEMBLY</u>														
Note: Give ser no. & complete nameplate data of MOTOR, DIRECT CURRENT when requisitioning repair parts.														
	C	O		6105-766-7970	MOTOR, DIRECT CURRENT: crews exhaust, 1/3 hp, 115 v (P/N SSHIP54)	EA		1	*	*	*	*	122	
5	C	O		6105-766-7968	crews supply, 1/2 hp, 115 v (P/N SSHIP55)	EA		1	*	*	*	*	122	
	C	O		6105-766-7969	engine room exhaust & supply, 3/4 hp, 115 v (P/N SSH54)	EA		2	*	*	*	*	122	
Note: The following 4 items are applicable to MOTOR, DIRECT CURRENT, P/N SSHIP54, P/N SSHIP55 & P/N SSH54.														
9	C	O		3110-156-3493	BEARING, BALL, ANNULAR: front end (P/N C8503) rear end (P/N C8504)	EA		4	1	1	2	2	122	4
9	C	O		3110-156-3515		EA		4	1	1	2	2	122	1



1. Brush, Electrical Contact: dc, motor
2. Brush, Electrical Contact: ac, ignition

MOTOR: boiler oil burner
FIGURE 121



1. Bearing, Ball, Annular: rear
2. Holder, Electrical Contact Brush
3. Brush, Electrical Contact
4. Bearing, Ball, Annular: front

MOTOR, DIRECT CURRENT: ventilating fans
FIGURE 122

(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF BASE ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TRIAL/VC	SOURCE	MAINT	LEVEL	RECOV.			2ND ECHELON				FIG NO (A)	ITEM NO (B)
							1-5	6-20	21-50	51-100		
			<u>6110 MOTOR ASSEMBLY (CONTINUED)</u>									
	C	O	5977-379-0257	MOTOR, DIRECT CURRENT: - Continued BRUSH, ELECTRICAL CONTACT (P/N 9960-2000A)	EA	8	2	4	6	8	122	3
11	P	O	5977-379-0253	HOLDER, ELECTRICAL CONTACT: incl 3 springs (P/N 9954-9003A)	EA	8	*	*	*	*	122	2
			<u>6115 STARTER SWITCH ASSEMBLY</u>									
	P	O	6110-418-1497	BUTTON, START: assy (P/N 601-2-1)	EA	4	*	*	*	*		
11	P	O	6110-418-1498	BUTTON, STOP: assy (P/N 601-2-2)	EA	8	*	*	*	*		
			<u>6120 CONTROLLER ASSEMBLY</u>									
			Note: Give ser no. & complete nameplate data of CONTROLLER when requisitioning repair parts.									
5	C	O	5920-548-3125	FUSE, CARTRIDGE: 10 amp, 250 v, 9/16 in. dia, 2 in. lg (P/N MS90088-9)	EA	8	φ	φ	φ	φ		
			Note: The following 7 items are u/w ventilating systems no. 1 & no. 2.									
			CONTROLLER: system no. 1, 1/2 hp (P/N 1705LT16) 1 EA system no. 2, 1/3 hp (P/N 4105-112-1) 1 EA									
			Note: The following 5 items are u/o CONTROLLERS, P/N 1705LT16 & P/N 4105-112-1.									
	P	O	6105-375-3016	COIL, RELAY: shunt, main line (P/N 2F29-5500)	EA	2	*	*	*	*		
11	P	O	5945-035-8735	CONTACT, ELECTRICAL: movable (P/N 9-109)	EA	8	2	2	4	4		
11	P	O	5945-375-3018	stationary (P/N 9-52)	EA	16	4	4	8	8		
11	P	O	5905-391-1724	RESISTOR, FIXED: 375 ohm (P/N MIT375A1)	EA	2	*	*	*	*		
	C	O	5340-375-3019	SPRING, SPIRAL: contact (P/N 930-2-61)	EA	8	*	*	*	*		
			Note: The following 13 items are u/w ventilating systems no. 3 & no. 4.									
			CONTROLLER: system no. 3, 3/4 hp (P/N 4105-122-1) 1 EA system no. 4, 3/4 hp (P/N 2505-121-1) 1 EA									
			Note: The following 11 items are u/o CONTROLLERS, P/N 2505-121-1 & P/N 4105-122-1.									
	P	O	6105-375-3022	COIL, RELAY: shunt accelerating (P/N 1620-29-8350)	EA	2	*	*	*	*		
	C	O	6105-375-3021	main line (P/N 3F27-5300)	EA	2	*	*	*	*		
11	P	O	5945-035-8706	CONTACT, ELECTRICAL: movable, accelerating no. 1 (P/N 201-22)	EA	2	*	*	1	1		
11	P	O	5945-035-8706	no. 2 (P/N 201-25)	EA	2	*	*	1	1		
11	P	O	5945-035-8707	no. 3 (P/N 201-27)	EA	2	*	*	1	1		
11	P	O	5945-035-8708	no. 4 (P/N 201-29)	EA	2	*	*	1	1		

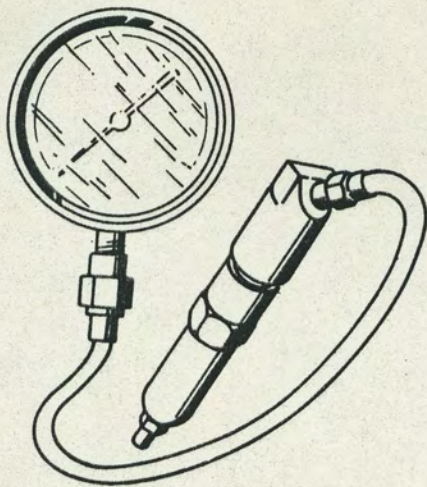
(1) SOURCE MAINT & RECOV CODE			(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) IS DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED 2ND ECHELON				(8) ILLUS- TRATIONS FIG NO ITEM NO						
TOOLING	SOURCE	MAINT LEVEL	RECOV.									(A)	(B)					
								1-5	6-20	21-50	51-100							
				<u>6120 CONTROLLER ASSEMBLY (CONTINUED)</u>														
				CONTROLLER: - Continued														
				CONTACT, ELECTRICAL:														
11	P	O	5945-035-8693	movable, main line (P/N 301-38)									EA	4	1	1	2	2
11	P	O	5945-444-7898	stationary, accelerating, no. 4 (P/N 201-91)									EA	2	*	*	1	1
11	P	O	5945-444-7881	CONTACT, ELECTRICAL: stationary (P/N 971-4-1)									EA	10	2	4	6	8
				6 EA accelerating, no. 1, no. 2 & no. 3														
				4 EA main line														
	P	O	5930-209-7670	SPRING, HELICAL, COMPRESSION: main line contact (P/N 930-5-9)									EA	8	*	*	*	*
	C	O	5340-375-3031	SPRING, SPIRAL: accelerating contact (P/N 930-5-8)									EA	8	*	*	*	*
				Note: The following item is u/o ventilating system no. 3.														
11	P	O	5905-379-0256	RESISTOR: control, 365 ohm (P/N S5E365A43)									EA	1	*	*	*	*
				Note: The following 2 items are u/o ventilating system no. 4.														
				RESISTOR, FIXED:														
11	P	O	5905-391-1729	accelerating, 17 ohm (P/N S3S25A43)									EA	1	*	*	*	*
11	P	O	5905-391-1730	control, 365 ohm (P/N S3S365A43)									EA	1	*	*	*	*
				<u>GROUP 68 NAVIGATIONAL INSTRUMENTS</u>														
				<u>6803 MAGNETIC COMPASS</u>														
				Note: The following item is u/o hull no. ST1978 thru ST1986.														
	P	O	6605-767-5581	COMPASS, MAGNETIC, MOUNTED: 6 in. dial (P/N TYPERS102)									EA	1	*	*	*	*
				Note: The following item is u/o hull no. ST1989 thru ST1993 & ST2007.														
	P	O	6605-767-5575	COMPASS, MAGNETIC, MOUNTED: 6 in. dial (P/N 6313)									EA	1	*	*	*	*

(1) SOURCE MAINT. & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS	
TOTAL	SOURCE						2ND ECHELON				FIG NO	ITEM NO
							1-B	6-R	21-B	51-100		
			SECTION III BULK MATERIAL & COMMON HARDWARE GROUP 95 BULK MATERIAL & COMMON HARDWARE <u>9500.01 BULK MATERIAL</u>									
		5330-197-8528	PACKING MATERIAL: asbestos brass or copper wire, braided type, graphite & oil lubricated, 3/8 in. nom size, coil form	LB			AR	AR	AR	AR		
		5330-197-9643	braided flax core, soft pliable metal jacket, solid type, type of covering A/A, lubrication A/A, 1 in. nom size, coil form	FT			AR	AR	AR	AR		
		5330-222-2838	pliable metal, braided type, solid or twisted, graphite lubricated, 5/16 in. nom size, spiral form, 10 to 12-1/2 ft lg	EA			AR	AR	AR	AR		
		5330-286-9966	PAPER, GASKET: plant fiber, wog resistant, 1/32 in. thk, 36 in. lg, 36 in. w	EA			AR	AR	AR	AR		
		5330-261-5761	RUBBER SHEET, SOLID: cured synthetic rubber, smooth both sides, 1/8 in. thk, 36 in. w, lg A/A	FT			AR	AR	AR	AR		
			<u>9500.02 COMMON HARDWARE</u>									
9		3110-100-6159	BALL, BEARING: high carbon chrome alloy steel 9/16 in. dia	EA			AR	AR	AR	AR		
9		3110-100-6160	5/8 in. dia	EA			AR	AR	AR	AR		
9		5306-550-1209	BOLT, MACHINE: steel, hex head, 5/16 in.-18 NC 3/4 in. lg	EA			AR	AR	AR	AR		
		5306-808-7973	7/8 in. lg, cadmium or zinc finish	EA			AR	AR	AR	AR		
		5306-283-0416	1 in. lg, cadmium finish	EA			AR	AR	AR	AR		
		5306-550-1318	1-1/4 in. lg, cadmium or zinc finish	EA			AR	AR	AR	AR		
		5306-753-8225	BOLT, MACHINE: steel, hex head, 3/8 in.-16 NC 1 1/16 in. lg, drilled head	EA			AR	AR	AR	AR		
		5306-274-0959	1 in. lg, head, 2 drilled holes	EA			AR	AR	AR	AR		
		5306-270-9416	2-3/4 in. lg	EA			AR	AR	AR	AR		
		4730-555-1406	CLAMP, HOSE: cres, style no. 7, passivated finish, 1 1/16 in. to 3-5/8 in. id, adjustable	EA			AR	AR	AR	AR		
		4730-050-4208	FITTING, LUBRICATION: steel, hydraulic type, w/ball check 1/8 in.-27 NPTF, style 1, cadmium finish	EA			AR	AR	AR	AR		
		4730-222-1003	1/8 in.-27 NPTF, style 1, zinc finish	EA			AR	AR	AR	AR		
		4730-204-1268	1/4 in.-28 NF, style 8	EA			AR	AR	AR	AR		
5		5920-548-3125	FUSE, CARTRIDGE: 10 amp, 250 v, ferrule type, fiber body, onetime nonindicating, 9/16 in. dia, 2 in. o/a lg	EA			AR	AR	AR	AR		
5		6240-283-9896	LAMP, INCANDESCENT: 115 to 125 v, 500 w, mogul screw base, T20 clear bulb, white light emitted, C13B tungsten fil, 9-1/16 in. o/a lg, 800 hr rated life, base down burning position	EA			AR	AR	AR	AR		
5		6240-143-3060	120 v, 6 w, double contact bayonet candelabra base, S6 clear bulb, white light emitted, C7A tungsten fil, 1-13/16 in. max o/a lg, 1500 hr rated life	EA			AR	AR	AR	AR		

(1) SOURCE MAINT & RECOV CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MANTY ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TDR/INC	SOURCE	MAINT LEVEL	RECOV.						2ND ECHELON				FIG NO (A)	ITEM NO (B)
									1-3	6-20	21-80	81-100		
<u>9500.02 COMMON HARDWARE (CONTINUED)</u>														
				5310-021-8459	NUT, CASTELLATED, HEXAGON: steel 1/2 in.-13 NC, 3/4 in. w, 9/16 in. h	EA			AR	AR	AR	AR		
				5310-167-1291	5/8 in.-18 NF, 1.000 in. w across flats, 23/32 in. o/a h, cadmium or zinc finish	EA			AR	AR	AR	AR		
				5310-022-5831	NUT, PLAIN, HEXAGON: steel 3/8 in.-16 NC, 5/8 in. w across flats, 1/4 in. o/a h, cadmium or zinc finish	EA			AR	AR	AR	AR		
				5310-167-1300	3/8 in.-24 NF, 0.563 in. w across flats, 0.187 in. o/a h, cadmium finish	EA			AR	AR	AR	AR		
				5310-816-1030	1/2 in.-13 NC, 0.750 in. w across flats, 0.323 in. o/a h, cadmium finish	EA			AR	AR	AR	AR		
				5310-011-8617	1/2 in.-13 NC, 3/4 in. w across flats, 7/16 in. o/a h, phosphate finish	EA			AR	AR	AR	AR		
				5310-260-7916	5/8 in.-18 NF, 1.000 in. w across flats, 17/32 in. o/a h, zinc finish	EA			AR	AR	AR	AR		
				5310-012-3679	3/4 in.-10 NC, 1-1/16 in. w across flats, 3/8 in. o/a h, cadmium or zinc finish	EA			AR	AR	AR	AR		
				5310-021-8447	1-1/4 in.-7 NC, 1-7/8 in. w across flats, 23/32 in. o/a h	EA			AR	AR	AR	AR		
				5310-012-2698	NUT, SLOTTED, HEXAGON: steel 1/4 in.-28 NF, 7/16 in. w across flats, 7/32 in. o/a h, cadmium or zinc finish	EA			AR	AR	AR	AR		
				5310-680-5384	3/8 in.-24 NF, 0.562 in. w across flats, 0.337 in. o/a h, cadmium or zinc finish w/chromate	EA			AR	AR	AR	AR		
				5310-012-3935	3/4 in.-10 NC, 1-1/16 in. w across flats, 21/32 in. o/a h	EA			AR	AR	AR	AR		
				5315-059-0635	PIN, COTTER: brass, 1/16 in. dia, 3/4 in. lg	EA			AR	AR	AR	AR		
				5315-010-3385	PIN, COTTER: steel 1/8 in. dia, 1 in. lg	EA			AR	AR	AR	AR		
				5315-012-0123	1/8 in. dia, 1-1/4 in. lg, cadmium finish	EA			AR	AR	AR	AR		
				5315-010-3388	1/8 in. dia, 1-3/4 in. lg	EA			AR	AR	AR	AR		
9				5315-234-1664	3/16 in. dia, 1-1/2 in. lg	EA			AR	AR	AR	AR		
				5320-275-4392	RIVET, TUBULAR: brass 1/2 in. nom lg, 9/64 in. dia shank, countersunk head	LB			AR	AR	AR	AR		
9				5320-260-4053	9/16 in. nom lg, 5/16 in. dia shank, tinnings head	EA			AR	AR	AR	AR		
				5305-018-6630	SCREW, CAP, HEXAGON HEAD: steel, 1/4 in.-20 NC 5/8 in. lg	EA			AR	AR	AR	AR		
				5305-207-3846	3/4 in. lg	EA			AR	AR	AR	AR		
9				5305-206-1075	2-1/4 in. lg	EA			AR	AR	AR	AR		
				5305-577-5462	SCREW, CAP, HEXAGON HEAD: steel, 3/8 in.-16 NC 1 in. lg	EA			AR	AR	AR	AR		
				5305-018-6619	1-1/8 in. lg	EA			AR	AR	AR	AR		
				5305-292-5731	1-1/4 in. lg	EA			AR	AR	AR	AR		

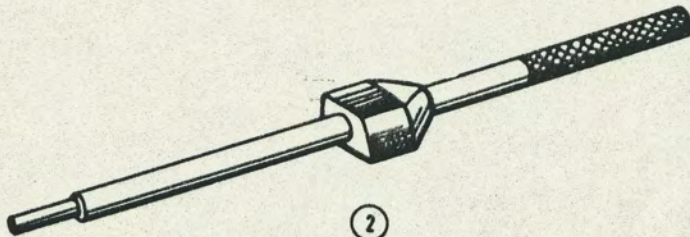
(1) SOURCE MAINT & RECOV CODE		(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) 15 DAYS MAINT ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TRC- LINC	SOURCE	MAINT LEVEL	RECOV.				2ND ECHELON				FIG NO	ITEM NO
							1-5	6-20	21-50	51-100		
			9500.02 COMMON HARDWARE (CONTINUED)									
			SCREW, CAP, HEXAGON HEAD: steel, 3/8 in.-16 NC									
			Continued									
		5305-018-6612	1-3/8 in. lg	EA			AR	AR	AR	AR		
		5305-550-1311	1-1/2 in. lg, cadmium or zinc finish	EA			AR	AR	AR	AR		
		5305-010-0137	1-3/4 in. lg	EA			AR	AR	AR	AR		
		5305-017-9846	1-7/8 in. lg	EA			AR	AR	AR	AR		
		5305-017-9860	SCREW, CAP, HEXAGON HEAD: steel, 7/16 in.-14 NC, 1-1/4 in. lg	EA			AR	AR	AR	AR		
		5305-022-7630	SCREW, CAP, HEXAGON HEAD: steel, 1/2 in.-13 NC 7/8 in. lg	EA			AR	AR	AR	AR		
		5305-012-2408	1 in. lg, cadmium or zinc finish	EA			AR	AR	AR	AR		
		5305-414-4357	1-1/4 in. lg, 2 drilled holes, w/1/2 in. radius on thd end, class 2 fit	EA			AR	AR	AR	AR		
		5305-010-0159	1-1/4 in. lg, class 3 fit	EA			AR	AR	AR	AR		
		5305-017-9885	1-1/2 in. lg	EA			AR	AR	AR	AR		
		5305-017-9887	1-3/4 in. lg	EA			AR	AR	AR	AR		
		5305-010-0167	4-1/2 in. lg	EA			AR	AR	AR	AR		
		5305-655-9695	5 in. lg, cadmium or zinc finish	EA			AR	AR	AR	AR		
		5305-010-0185	SCREW, CAP, HEXAGON HEAD: steel 5/8 in.-11 NC, 1-3/4 in. lg	EA			AR	AR	AR	AR		
		5305-207-2576	3/4 in.-10 NC, 3 in. lg	EA			AR	AR	AR	AR		
		5307-281-3301	STUD, PLAIN: steel 5/16 in.-18 NC, 5/16 in.-24 NF, 1-1/4 in. o/a lg	EA			AR	AR	AR	AR		
		5307-273-9380	3/8 in.-16 NC, 3/8 in.-24 NF, 1-1/2 in. o/a lg	EA			AR	AR	AR	AR		
		5310-010-3341	WASHER, FLAT: steel, rd 0.4063 in. id, 0.8125 in. od, 0.065 in. thk	EA			AR	AR	AR	AR		
		5310-809-5998	0.531 in. id, 1.063 in. od, 0.121 in. thk, cadmium finish	EA			AR	AR	AR	AR		
		5310-823-8803	0.625 in. id, 1.312 in. od, 0.121 in. thk, cadmium finish	EA			AR	AR	AR	AR		
		5310-011-5553	WASHER, LOCK: steel, flat internal teeth, 5/8 in. nom screw size	EA			AR	AR	AR	AR		
		5310-010-3319	WASHER, LOCK: steel, split helical ring 1/4 in. nom screw size	EA			AR	AR	AR	AR		
		5310-010-3320	5/16 in. nom screw size	EA			AR	AR	AR	AR		
		5310-514-8948	5/16 in. nom screw size, cadmium finish	EA			AR	AR	AR	AR		
		5310-261-7340	3/8 in. nom screw size	EA			AR	AR	AR	AR		
		5310-624-5395	7/16 in. nom screw size, light	EA			AR	AR	AR	AR		
		5310-010-3328	7/16 in. nom screw size, medium	EA			AR	AR	AR	AR		
		5310-010-3323	1/2 in. nom screw size	EA			AR	AR	AR	AR		
		5310-012-0384	1/2 in. nom screw size, cadmium or zinc finish	EA			AR	AR	AR	AR		
		5310-013-1046	3/4 in. nom screw size, cadmium or zinc finish	EA			AR	AR	AR	AR		

(1) SOURCE MAINT & RECOV. CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) MAINTENANCE ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUSTRATIONS	
TRUCK SVC SOURCE	MAINT LEVEL	RECOV	2ND ECHELON						FIG NO (A)	ITEM NO (B)				
			1-5								4-25	21-50	51-100	
SECTION IV SPECIAL TOOLS														
					Note: The following 6 items are applicable to the Atlas Imperial Engine.									
9	0			4910-414-2786	BAR, ENGINE TURNING (P/N F2405)	EA			*	*	*	*		
10	0			5120-767-0671	BAR, FUEL PUMP: priming (P/N 3A2916)	EA			*	*	*	*		
10	0			4910-767-4291	LINE, PUMP: nozzle tester (P/N RME969)	EA			*	*	*	*		
9	0			4910-424-8723	PUMP, NOZZLE TESTER (P/N RME968)	EA			*	*	*	*		
10	0			5120-224-7271	WISE, PIN (P/N 162A)	EA			*	*	*	*		
10	0			5120-414-1636	WRENCH: cylinder head nut (P/N F1625)	EA			*	*	*	*		
					Note: The following 8 items are applicable to the Detroit Diesel Engine.									
9	0			5120-377-3494	GAGE, FEELER: 0.11 in. to 0.13 in. thk (P/N KMO233B)	EA			*	*	*	*	123	3
	0			6620-363-8347	GAUGE: cylinder compression (P/N J1319-02) timing injector, 1.460 in. output (P/N J1853)	EA			*	*	*	*	123	1
	0			2815-363-7576		EA			*	*	*	*	123	2
	0			4940-600-3307	INJECTOR CUTOUT TOOL (P/N J4449)	EA			*	*	*	*	123	4
10	0			5120-219-8400	REMOVER, VALVE SPRING (P/N J1227-01)	EA			*	*	*	*	124	1
	0			2815-705-9271	REPAIR KIT: injector service (P/N J1241-03) c/o	EA			*	*	*	*	125	11
					1 EA BRUSH, INJECTOR CLEANING, fuel hole (P/N J8152)								125	3
					1 EA BRUSH, INJECTOR CLEANING, rack hole (P/N J8150)								125	4
					1 EA CASE (P/N J1241-2)								125	1
					1 EA CLEANER (P/N J8169)								125	5
					1 EA REAMER, HAND (P/N J1243)								125	8
					1 EA REAMER, TIP SEAT (P/N J4986-01)								125	10
					1 EA STONE, LAPPING (P/N J8170)								125	7
					1 EA TOOL, ASSEMBLING (P/N J1291-01)								125	2
					1 EA TOOL, DEBURRING (P/N J7174)								125	9
					1 EA WRENCH, SOCKET (P/N J4983-01)								125	6
9	0			4910-690-8452	TEST SET, DIESEL ENGINE: valve gapper, injector timing & fuel rack balancing (model 201)	EA			*	*	*	*	124	7
	0			5120-362-9420	WRENCH: fuel & water pump (P/N J4242)	EA			*	*	*	*	124	7
					Note: The following 10 items are applicable to the Nordberg Engine.									
10	0			5120-592-1035	COMPRESSOR, PISTON RING (P/N 4022100)	EA	NX		*	*	*	*	126	1
	0			6115-375-2945	HANDLE, CELL FULLER (P/N 1435401)	EA			*	*	*	*	126	3
	0			6320-691-5674	INDICATOR, SPEED (P/N 7085100)	EA			*	*	*	*	126	2
10	0			5130-707-7616	KIT, VALVE GRINDING: incl hand operated valve lapper, drive key, spring & can of grinding compound (P/N 91323006)	EA	NX		*	*	*	*	127	5



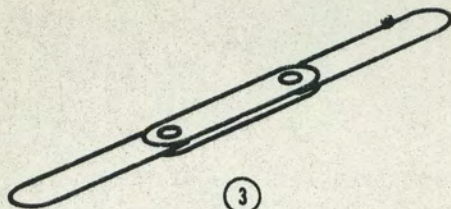
①

Gage: cylinder compression



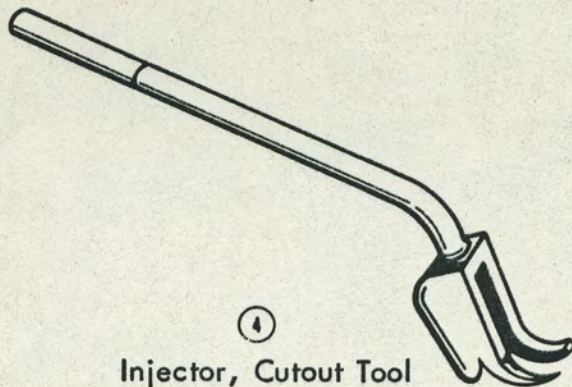
②

Gage: timing injector



③

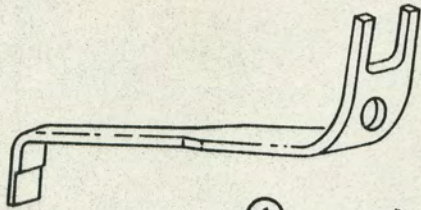
Gage, Feeler



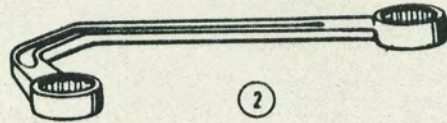
④

Injector, Cutout Tool

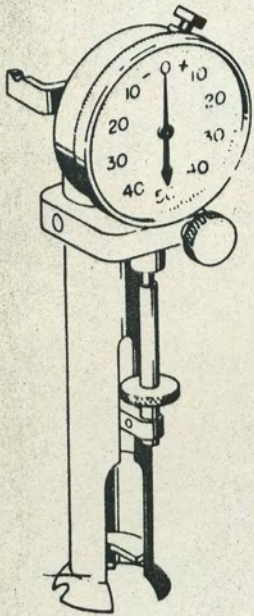
SPECIAL TOOLS
FIGURE 123



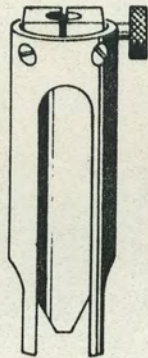
①
Remover, Valve Spring



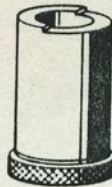
②
Wrench: fuel & water pump



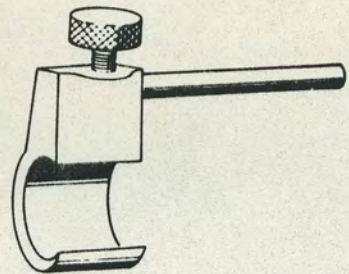
③
Valve Gapper



④
Timing Attachment



⑤
Plug Gage

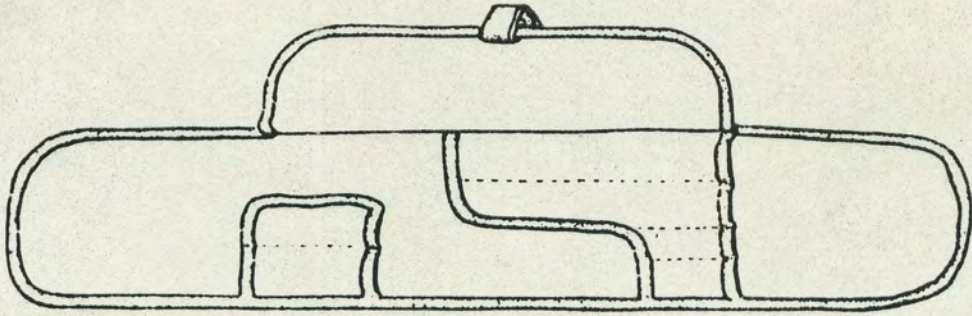


⑥
Tube Adapter

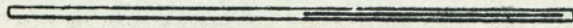


⑦
Test Set, Diesel Engine

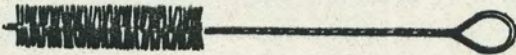
SPECIAL TOOLS
FIGURE 124



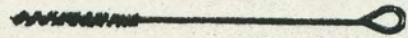
①
Case



②
Tool, Assembling



③
Brush, Injector Cleaning: fuel hole



④
Brush, Injector Cleaning: rack hole



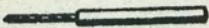
⑦
Stone, Lapping



⑥
Wrench, Socket



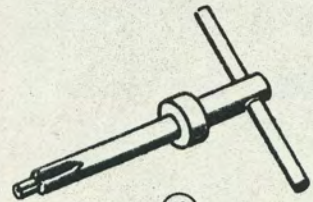
⑤
Cleaner



⑧
Reamer, Hand



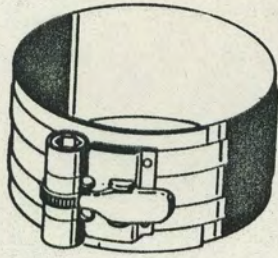
⑨
Tool, Deburring



⑩
Reamer, Tip Seat

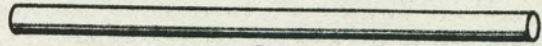
⑪
Repair Kit: injector service

SPECIAL TOOLS
FIGURE 125



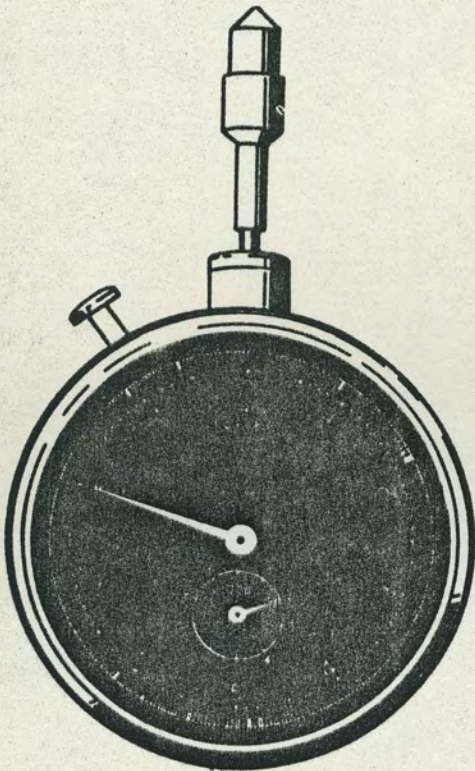
①

Compressor, Piston Ring



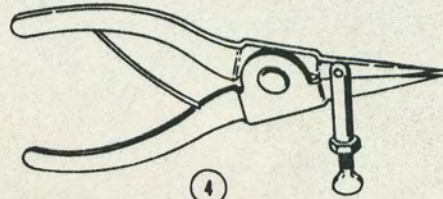
③

Handle, Cell Puller



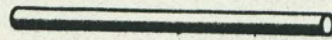
②

Indicator, Speed



④

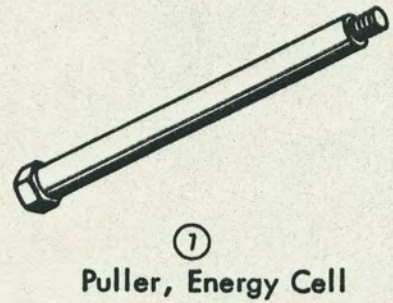
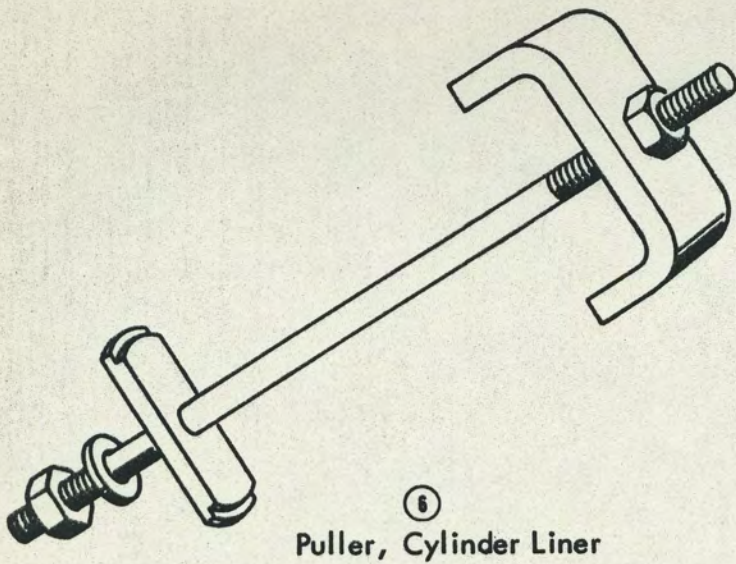
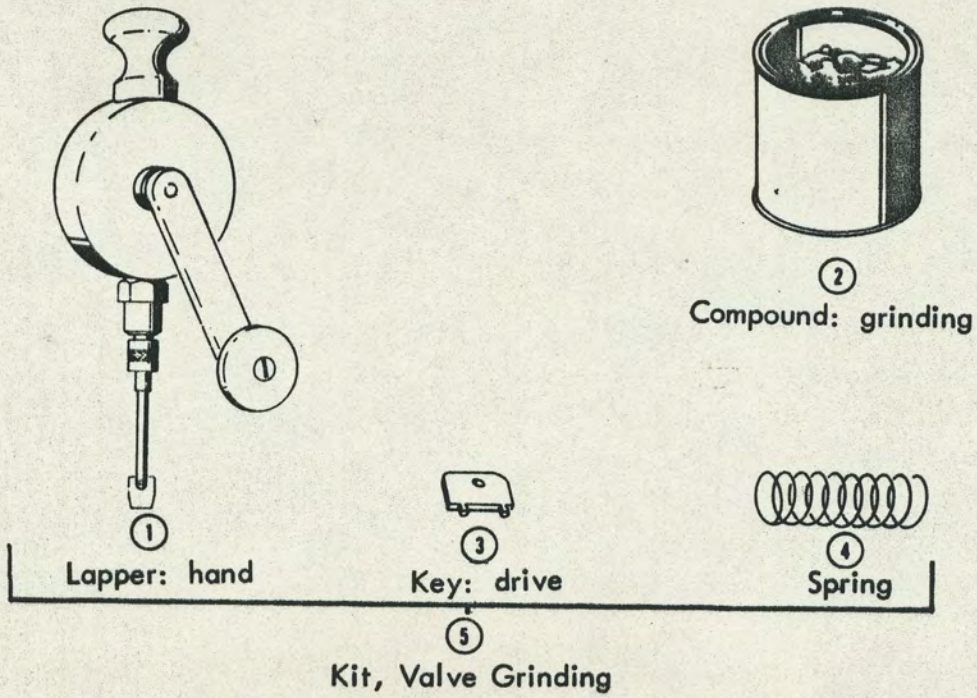
Pliers, Retaining Ring



⑤

Pin, Engine Timing

SPECIAL TOOLS
FIGURE 126



SPECIAL TOOLS
FIGURE 127

(1) SOURCE MAINT & RECOV. CODE				(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION	(4) UNIT OF ISSUE	(5) EXPENDABILITY	(6) QTY INC IN UNIT	(7) MAINTENANCE ALLOWANCE FOR NO. OF MAJOR ITEMS SUPPORTED				(8) ILLUS- TRATIONS	
TECH. SVC SOURCE	MAINT LEVEL	RECOV	2ND ECHELON						FIG NO (A)	ITEM NO (B)				
			1-5								6-20	21-50	51-100	
				SECTION IV SPECIAL TOOLS										
10	0	5180-375-2946		PIN, ENGINE TIMING (P/N 54320301)	EA			*	*	*	*	126	5	
10	0	5120-592-1034		PLIERS, RETAINING RING: (P/N 4017722)	EA			*	*	*	*	126	4	
10	0	5120-592-1033		(P/N 4017724)	EA			*	*	*	*	126	4	
10	0	5120-592-1032		(P/N 4017726)	EA			*	*	*	*	126	4	
10	0	5120-707-7618		PULLER, CYLINDER LINER (P/N 80660003)	EA	NX		*	*	*	*	127	6	
10	0	5120-375-2947		PULLER, ENERGY CELL (P/N 87803501)	EA			*	*	*	*	127	7	

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PART NO.	MANUFACTURERS CODE	FEDERAL STOCK NO.	ITEM NAME	GROUP NO.
% ADL162TP649	01843	2815-338-6779	NOZZLE, FUEL INJECTOR	A0301
AKB95S2417A	01843	2815-375-2705	HOLDER ASSEMBLY	C0301, D0301
AL2	42280	4320-030-3191	PUMP ASSEMBLY, PRIMING	4319
AN310-10	88044	5310-167-1291	NUT, CASTELLATED, HEXAGON	A0105 9500.02
AN316-6R	88044	5310-167-1300	NUT, PLAIN, HEXAGON	C0301, D0301 9500.02
AN340-616	88044	5310-022-5831	NUT, PLAIN, HEXAGON	A0103 9500.02
% AFFIA80N2400A	01843	2815-375-2703	PUMP, FUEL METERING	C0303.02, D0303.02
% AFF1C170N2585B	01843	2910-705-9044	PUMP, FUEL INJECTION	A0303.02
A119283	53591	2930-375-2885	PUMP ASSEMBLY, WATER	C0504.01, D0504.01
A1499	61208	3010-423-8018	LINING, FRICTION	C5509.04
A26S	24161	3030-330-8820	BELT, V	C0504.02 D0504.02
A2788-1	23452	5977-049-8135	BRUSH, ELECTRICAL CONTACT	C4000.03
A28-213-040	15472	4330-375-3334	GASKET	6003
A2909	23452	5977-779-6207	HOLDER, ELECTRICAL CONTACT	C4000.03
A2961	23452	6105-799-6218	BRUSH	
A3005	23452	6105-779-6217	ARMATURE, MOTOR	C4000.01
A3045	72850	2920-091-8750	WINDING, MOTOR FIELD	C4000.02
A313A143	16712	4320-766-7902	DRIVE, ENGINE, ELECTRICAL	C0603, D0603
A49206-21D1250	20107	6105-766-7978	PUMP, ROTARY	A5500
A625-44	21387	4320-289-8854	MOTOR, DIRECT CURRENT	A4000
A6692-1	76727	5905-379-2223	PUMP, RECIPROCATING, POWER DRIVEN	B5500
A6692-2	76727	5905-379-2224	RESISTOR, CONTROLLER	2120.03
A6692-3	76727	5905-379-2225	RESISTOR, CONTROLLER	2120.03
A7-213-042	15472	5330-641-4108	RESISTOR, CONTROLLER	2120.03
BB305	89930	3110-379-2128	GASKET	6003
BIA254	42280	2910-097-5870	BEARING, BALL, ANNULAR	1406.01
BM158A	00320	2930-588-5292	VALVE	4319
BM483	04475	5930-379-0763	HOSE, WATER CONNECTOR	A0117.03
BM483B	04475	5930-379-0762	SWITCH, OIL PRESSURE	A0607
BM5790A	04475	6685-767-5580	SWITCH, THROTTLE	A0607
BM5968	15434	4910-424-8723	GAGE, PRESSURE, DIAL	A4709
BM5969	15434	4910-767-0571	INDICATING	
BM608B	00320	5930-772-6550	PUMP, NOZZLE TESTER	SECTION IV
BM6336	00320	2990-674-0334	LINE, PUMP	SECTION IV
BM6361A	00320	2815-338-6779	SWITCH, WATER TEMPERATURE	A0607
BM6371	00320	2910-705-9044	TURBOCHARGER ASSEMBLY	A0305
B2172EZ4OHTYPENS	07829	2540-316-1944	NOZZLE, FUEL INJECTOR	A0301
B38786GR1	20107	5977-090-1446	PUMP, FUEL INJECTION	A0303.02
B38861GP1	20107	6105-323-9698	MOTOR, WINDSHIELD WIPER	2202.01
B38862GP1	20107	6105-097-3362	HOLDER, ELECTRICAL CONTACT	A4000.03
B46	24161	3030-232-5981	BRUSH	
B68-2	73842	3030-246-0167	COIL, INTERPOLE	A4000.02
CAAXLEN	00000	3110-155-6197	WINDING, MOTOR FIELD	A4000.02
CAAX3EF	00000	3110-155-6198	BELT, V	C0504.01, D0504.01
CAAX3EG	00000	3110-155-6201	BELTS, V, MATCHED SET	5002.03
CB220D2-2	89930		BEARING, BALL, ANNULAR	A5500.08
CB225	89930		BEARING, BALL, ANNULAR	2120.01
CRC505-5-10	17239	6150-766-7972	BEARING, BALL, ANNULAR	1406.01, 2120.01
		4530-399-4590	BRAKE ASSEMBLY	1406.01
			MOTOR, DIRECT CURRENT	1406.01
			VALVE, FUEL METERING	2315

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PART NO.	MANUFACTURERS CODE	FEDERAL STOCK NO.	ITEM NAME	GROUP NO.
C1124APB2	73370	2910-375-2710	ELEMENT	C0309,D0309
C115386	53591	2930-375-2712	PACKING ASSEMBLY	C0504.01, D0504.01
C2608L21-4	00320	5305-793-6827	SCREW, CAP, HEXAGON HEAD	A0111
C30P2	73370	2940-429-4091	FILTER ELEMENT, FLUID, PRESSURE	D0117.02
C4P2	73370	2940-375-2711	FILTER ELEMENT, FLUID PRESSURE	C0117.02
C6461	00320	2815-528-6070	LOCK, VALVE SPRING RETAINER	A0105
C6462	00320	2815-361-5375	RETAINER	A0105
C6674	76727		CONTROLLER	2120.03
C6674-1	76727	5945-391-2369	CONTACT, ELECTRICAL	2120.03
C6674-10	76727	5945-766-8668	SPRING, TIMING, RELAY	2120.03
C6674-11	76727	5945-391-2380	SPRING	2120.03
C6674-12	76727	5950-391-2366	COIL, RELAY	2120.03
C6674-14	76727	5905-379-2222	RESISTOR, PANEL BOARD	2120.03
C6674-15	76727	5945-391-2375	CONTACT, ELECTRICAL	2120.03
C6674-16	76727	5340-303-1314	SPRING	2120.03
C6674-17	76727	5950-391-2367	COIL, CONTACTOR	2120.03
C6674-18	76727	5340-303-1315	SPRING	2120.03
C6674-19	76727	5340-303-1317	SPRING	2120.03
C6674-2	76727	5945-765-4491	SPRING, CONTACT	2120.03
C6674-20	76727	5945-391-2376	CONTACT, ELECTRICAL	2120.03
C6674-21	76727	5950-391-2368	COIL, RELAY	2120.03
C6674-22	76727	5945-391-2381	SPRING, RELAY	2120.03
C6674-3	76727	5945-391-2370	CONTACT, ELECTRICAL	2120.03
C6674-4	76727	5950-391-2365	COIL, RELAY	2120.03
C6674-5	76727	5945-391-2378	SPRING	2120.03
C6674-6	76727	5945-765-4489	CONTACT, ELECTRICAL	2120.03
C6674-7	76727	5945-391-2372	CONTACT, ELECTRICAL	2120.03
C6674-8	76727	5945-391-2373	CONTACT, ELECTRICAL	2120.03
C6674-9	76727	5945-391-2374	CONTACT, ELECTRICAL	2120.03
C8193	00320	4320-362-6630	GASKET	A0303.01
C8503	43334	3110-156-3493	BEARING, BALL, ANNULAR	6110
C8504	43334	3110-156-3515	BEARING, BALL, ANNULAR	6110
C9290P	00320	2910-361-9489	PUMP, FUEL	A0303.01
C9290P4	00320	5340-377-3343	SPRING	A0303.01
C948-1	76528	2010-287-7237	BEARING, SLEEVE	0901.05
C948-2	76528	2010-287-7236	BEARING, SLEEVE	0901.05
DWGN01213A7CPC417	20049	5977-770-6171	BRUSH, ELECTRICAL CONTACT	A0607
DZMFRAMERX225SPEC 15045	21387	6105-366-7460	MOTOR, DIRECT CURRENT	B4000
D4193	42280	4820-090-1445	VALVE, VACUUM BREAKING	4319
D5632XP	42280	4320-366-7738	GASKET	4319
D6292	38294	3950-049-8094	CAPSTAN	2120
D6325	76727	5930-766-7953	SWITCH	2120.02
D6325-13	76727	5930-379-2227	CONTACT, STATIONARY	2120.02
D6325-14	76726	5930-379-2226	CONTACT, ELECTRICAL	2120.02
D6325-15	76727	5340-303-1318	SPRING	2120.02
D6325-46	76727	5340-303-1320	SPRING	2120.02
D8235XP	42280	5330-347-3900	GASKET	4319
D8693XP	42280	4320-379-2042	GASKET	4319
EC7758	70691	3120-278-7679	BEARING, SLEEVE	0806.01
EC8742	70691	2930-377-2848	SEAL, OIL GEAR	0802.06
EC9520	70691	2930-377-2847	PUMP, OIL	0806.01
EC9535	70691	4820-319-1081	BALL	0806.01
EC9536	70691	5340-097-0571	SPRING	0806.01
EC9538	70691	2815-792-6431	GASKET	0806.01

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PART NO.	MANUFACTURERS CODE	FEDERAL STOCK NO.	ITEM NAME	GROUP NO.
EPS1F	14561	6350-368-4007	HORN, FLUID OPERATED	2202.01
EPLITEM23	14561	5977-097-0694	BRUSH, ELECTRICAL CONTACT	2202.01
EPLITEM7	14561	6320-300-8430	DIAPHRAGM, HORN	2202.01
E224C2-24	89930	6105-766-7974	ARMATURE, MOTOR	2120.01
E38897-2	21387	5977-417-9316	HOLDER ASSEMBLY, ELECTRIC	B4000.03
FB30P2	73370	4330-300-2002	FILTER, FLUID, PRESSURE	D0117.02
FB4P2	73370		FILTER, FLUID, PRESSURE	C0117.02
FS21539U	43952	2815-375-2703	PUMP, FUEL METERING	C0303.02, D0303.02
F1099	00320	2815-097-1865	GASKET	A0101
F1124AFB	73370	2910-575-0630	FILTER, FUEL	C0309,D0309
F1625	04475	5120-414-1636	WRENCH	SECTION IV
F2405	04475	4910-414-2786	BAR, ENGINE TURNING	SECTION IV
GBF79	19728	2920-293-5041	BEARING, SLEEVE	C0601,D0601
GBW45A	19728	2920-363-3939	SPRING, HELICAL, TORSION	C0601,D0601
GCJ26	19728	5977-033-5499	ARM, ELECTRICAL BRUSH	C0601,D0601
GC1422	77260	2815-375-2867	GOVERNOR ENGINE ASSEMBLY	C0308
GC975	77260	2815-337-9300	GOVERNOR, DIESEL ENGINE	D0308
GFL2006F	19728	2920-188-3024	ARMATURE, GENERATOR	C0601,D0601
GFL2012S	19728	5977-228-7940	BRUSH, ELECTRICAL CONTACT	C0601,D0601
GFL4811A	19728	2920-294-3927	GENERATOR, ENGINE ACCESSORY	C0601,D0601
G3-5R101	51900	5330-099-1115	GASKET	D0501
G3-5R102	51900	5330-310-6666	GASKET	D0501
I3699	72582	6115-786-6200	GENERATOR, DIRECT CURRENT	A4100
JC495-3	64408	4320-379-2038	PUMP, CENTRIFUGAL	D5500
J1227-01	33287	5120-219-8400	REMOVER, VALVE SPRING	SECTION IV
J1241-03	33287	2815-705-9271	REPAIR KIT	SECTION IV
J1319-02	33287	6620-363-8347	GAUGE	SECTION IV
J1853	33287	2815-363-7576	GAUGE	SECTION IV
J4242	33287	5120-362-9420	WRENCH	SECTION IV
J4449	33287	4940-600-3307	INJECTOR CUTOFF TOOL	SECTION IV
KMO233B	33287	5120-377-3494	GAGE, FEELER	SECTION IV
KS1385WD26	81100	2090-691-5660	WIPER, WINDSHIELD	2202.01
KS1059A	81100	2540-713-8359	BLADE, WINDSHIELD WIPER	2202.01
LO95	75665	3010-517-1846	COUPLING, SHAFT, FLEXIBLE	A5509.06
LO95SPIDER	75665	3010-528-0813	INSERT, FLEXIBLE COUPLING	A5509.06
L124LM3293	63097	4320-512-9228	PUMP, BILGE	C5500
MBD1012CS	19728	5977-280-6775	BRUSH, ELECTRICAL CONTACT	C0603,D0603
MBD19	19728	2920-515-1864	SPRING, SPIRAL, TORSION	C0603,D0603
MBD2079	19728	2920-424-3299	END BELL, ELECTRICAL EQUIPMENT	C0603,D0603
MBL2-119A	02128	2030-767-5506	DIFFERENTIAL ASSEMBLY	1406.07
MCC4003	19728	2920-640-7280	STARTER, ENGINE, ELECTRICAL	C0603,D0603
MDL2-251	02128	4320-097-0642	PACKING SET	1406.10
MD16-476A	02128	3010-305-6587	UNIVERSAL JOINT	1406.06
MD16-479A	02128	2030-766-7853	GEAR, BEVEL	1406.06
MIT375A1	41311	5905-391-1724	RESISTOR, FIXED	6120
MODELWH404	07524	4320-108-6966	PUMP, ROTARY, HAND DRIVEN	6012
MS15003-1	96906	4730-050-4208	FITTING, LUBRICATION	2101 9500.02
MS15567-1	96906	6240-143-3060	LAMP, INCANDESCENT	1406.02 9500.02
MS17161-93	96906	3110-156-1798	BEARING, BALL, THRUST	2101
MS24665-355	96906	5315-012-0123	PIN, COTTER	A0105 9500.02
MS24665-377	96906	5315-010-3388	PIN, COTTER	9500.02 A0111 9500.02

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MS24665-495	96906	5315-234-1664	PIN, CUTTER	C0111,D0111 9500.02
MS27183-18	96906	5310-809-5998	WASHER, FLAT	A0305,A0305.01 9500.02
MS27183-21	96906	5310-823-8803	WASHER, FLAT	A0305 9500.02
MS35295-113	96906	5305-017-9885	SCREW, CAP, HEXAGON HEAD	A0117.01, A0117.03, A0305.01, A0504.03 9500.02
MS35295-114	96906	5305-017-9887	SCREW, CAP, HEXAGON HEAD	A0101,A0504.03 9500.02
MS35295-32	96906	5306-550-1209	BOLT, MACHINE	C0103,C0303.01, D0103,D0303.01 9500.02
MS35295-60	96906	5305-577-5462	SCREW, CAP, HEXAGON HEAD	A0129.02.2, C0117.01,C0308, D0117.01,D0308 9500.02
MS35295-65	96906	5305-010-0137	SCREW, CAP, HEXAGON HEAD	A0105 9500.02
MS35295-87	96906	5305-017-9860	SCREW, CAP, HEXAGON HEAD	B0117.02,B0506 9500.02
MS35297-127	96906	5305-655-9695	SCREW, CAP, HEXAGON HEAD	A0117.03 9500.02
MS35297-36	96906	5306-550-1318	BOLT, MACHINE	B0117.01 9500.02
MS35297-64	96906	5305-550-1311	SCREW, CAP, HEXAGON HEAD	A0129.02.2 9500.02
MS35303-33	96906	5306-808-7973	BOLT, MACHINE	C0101,C0506, D0101,D0117.01 D0506
MS35333-12	96906	5310-011-5553	WASHER, LOCK	9500.02 A0115.02, A0303.02,A0305 9500.02
MS35337-45	96906	5310-514-8948	WASHER, LOCK	B0117.01
MS35337-47	96906	5310-624-5395	WASHER, LOCK	B0117.02,B0506 9500.02
MS35338-10	96906	5310-010-3323	WASHER, LOCK	A0101,A0117.03, A0129.02.1, A0305.01, A0504.03 9500.02
MS35338-29	96906	5310-012-0384	WASHER, LOCK	A0105,A0115.05 A0117.01 9500.02
MS35338-32	96906	5310-013-1046	WASHER, LOCK	A0115.06 9500.02
MS35338-6	96906	5310-010-3319	WASHER, LOCK	A0303.01, C0504.02,D0504 9500.02
MS35338-7	96906	5310-010-3320	WASHER, LOCK	B0501 9500.02

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MS35338-8	96906	5310-261-7340	WASHER, LOCK	A0105,A0115.02, A0117.03, A0129.02.2, B0117.02, C0117.01, D0117.01 9500.02
MS35690-803	96906	5310-011-8617	NUT, PLAIN, HEXAGON	A0504.03 9500.02
MS356901-805	96906	5310-816-1030	NUT, PLAIN, HEXAGON	A0101, A0129.02.1 9500.02
MS35692-1205	96906	5310-012-3935	NUT, SLOTTED, HEXAGON	A0115.06 9500.02
MS35692-625	96906	5310-680-5384	NUT, SLOTTED, HEXAGON	A0129.02.2 9500.02
MS90088-9	96906	5920-548-3125	FUSE, CARTRIDGE	A4019,B4019, 1406.02, 2101.03, 2120.03, 6027.01,6120 9500.02
ML773	58476	5307-206-3125	STUD, PLAIN	A0103
M224CD92-1	89930	6105-323-9856	MOTOR, DIRECT CURRENT	2120.01
M600FX	76149	5905-768-2774	RHEOSTAT, VARIABLE	A0607
NOC	56500	4530-733-2597	BURNER, OIL, PRESSURE ATOMIZING	2315
NO2	64171	4530-767-4269	BURNER, OIL, PRESSURE ATOMIZING	2315
PBD168A	21387	5330-418-0112	GASKET	B5500.09
PBD22A1	21387	4320-418-0120	LINER	B5500.03
PBD23A2	21387	4320-653-0008	LINER, BEARING, PUMP	B5500.03
PBE10A	21387	4320-418-0149	VALVE, SUCTION OR DISCHARGE	B5500.06
PBE18A	21387	4320-499-6117	ROD ASSEMBLY, PUMP	B5500.03
PBE408C2	21387	4320-418-0134	ROD ASSEMBLY, PUMP	B5500.03
PBL383GA	02128	4320-766-7901	PUMP, HYDRAULIC	1410
PCD80B1	21387	5330-418-0203	PACKING	B5500.09
PC68577	82722	2815-376-0565	CUP	A0115.06
PDA661C	21387	4320-097-0637	CUP, PISTON	B5500.03
PDA662B	21387	4320-626-8461	SPREADER, PISTON CUP, LEATHER	B5500.03
PDA663A	21387	4320-366-8570	PISTON, PUMP	B5500.03
PDA664A	21387	4320-418-0110	FOLLOWER, PISTON, PUMP	B5500.03
PDB388A1	21387	5330-588-5535	GASKET	B5500.09
PBE190A	21387	5330-588-5534	GASKET	B5500.09
PFC246A1	21387	5340-331-8190	SPRING	B5505
PFC284A1	21387	4320-099-8737	VALVE, PUMP	B5505
PFC285A1	21387	4320-099-8736	SEAT, VALVE, PUMP	B5505
PFC292A1	21387	4320-099-8735	DIAPHRAGM, PUMP	B5505
PFC514A	21387	4320-790-2345	SEAT, VALVE	B5500.06
PGC317A	21387	5340-766-7933	SPRING, HELICAL, COMPRESSION	B5500.06
PK234	42280		PACKING	4319.01
PP2M	72072	4320-375-2884	PUMP, ROTARY, POWER DRIVEN	C0504.02, D0504.02 6011
PO34050-5-6-7	74361	4320-218-2791	COUPLING ASSEMBLY	2202.01
P130-5	75214	6350-766-7986	HORN, FLUID OPERATED	2202.01
P130-6	75214	6350-766-7987	HORN, FLUID OPERATED	2202.01
P2AB246A	21387	5340-418-0141	SPRING	B5503

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P28-5	75214	2815-766-7859	DIAPHRAGM	2202.01
P50012	82722	4820-586-4240	VALVE	A0129.02.2
P5034	82722	4820-506-1262	VALVE, SUPPLY	A0129.02.2
P50645	82722	2815-766-7860	ACTUATOR	A0129.02.2
QH5F	24785	4320-097-4246	PUMP, ROTARY	1410
Q27-7	64408		PACKING RING	D5500.09
Q28-5	64408		GASKET	D5500.09
R181	63097		PACKING	C5500.09
R256	14959	5330-766-7928	GASKET	6003
R455-0503	75214	5977-766-7952	BRUSH, ELECTRICAL CONTACT	2202.01
R735-0055	75214	5340-766-7926	SPRING, HELICAL, COMPRESSION	2202.01
SA681-2	35662	5977-090-1421	BRUSH, ELECTRICAL CONTACT	6027.04
SA682-4	35662	5977-033-3676	BRUSH, ELECTRICAL CONTACT	6027.04
% SIRB140-4	99166	4530-034-8102	PUMP, FUEL, OIL BURNER	6004
SL1203	10741	6230-767-5573	REFLECTOR, SEARCHLIGHT	4220
SL1217	10741	5330-766-7927	GASKET	4220
SL1360	10741	6230-767-5568	PAD, LENS	4220
SL375	10741	6230-767-5570	REFLECTOR, SEARCHLIGHT	4220
SL377X	10741	6250-299-7091	LAMPHOLDER	4220
SP54635	20107	5340-323-9699	SPRING	A4000.03
SP54637	20107	5977-284-7530	BRUSH, ELECTRICAL CONTACT	A4000.03
SSHIP54	30190	6105-766-7970	MOTOR, DIRECT CURRENT	6110
SSHIP55	30190	6105-766-7968	MOTOR, DIRECT CURRENT	6110
SSH54	30190	6105-766-7969	MOTOR, DIRECT CURRENT	6110
ST1978S4301F 1419496TC	81996	2010-804-2693	SHAFT, PROPULSION, SHIP	0901.01
ST1978S4400H 12385	80064	2010-277-4254	PROPELLER, SHIP	0901.09
S1005	00320	2930-361-9463	GASKET	A0117.02, A0117.03
S1123AV	16712	5330-030-3206	GASKET	A5500.09
S1123AW	16712	4320-034-8284	PACKING, PREFORMED	A5500.09
S1123BC	16712	5330-030-3205	GASKET	A5500.09
S1146A	16712	5330-097-4241	SEAL	A5500.09
S1146AA	16712	5330-097-4242	SEAL, PLAIN ENCASED	A5500.09
S2334	00320	5330-361-9438	GASKET	A0105,A0305.01
S3S25A43	41311	5905-391-1729	RESISTOR, FIXED	6120
S3S365A43	41311	5905-391-1730	RESISTOR, FIXED	6120
S3T120A120A33	41311	5905-379-2201	RESISTOR, VARIABLE	2101.03
S3T120A500A33	41311	5905-379-2199	RESISTOR, VARIABLE	2101.03
S3T350A250A3	41311	5905-379-2204	RESISTOR, VARIABLE	2101.03
S3T350A350A3	41311	5905-379-2205	RESISTOR, VARIABLE	2101.03
S3T500A1	41311	5905-379-2202	RESISTOR	2101.03
S3T500A11	41311	5905-379-2200	RESISTOR	2101.03
S3T500A250A3	41311	5905-379-2203	RESISTOR, VARIABLE	2101.03
S3T800A1	41311	5905-379-2206	RESISTOR	2101.03
S4T1-175A3	41311	5905-379-2131	RESISTOR, FIXED, WIRE WOUND	1406.02
S4T1-175A43	41311	5905-379-2132	RESISTOR, VARIABLE	1406.02
S4T250A290A3	41311	5905-379-2133	RESISTOR, VARIABLE	1406.02
S5E365A43	41311	5905-379-0256	RESISTOR	6120
S800	00320	5330-414-2455	GASKET	A0113
S810	00320	5325-977-1077	GROMMET, RUBBER	A0105,A0115.02
TCSK6873-47PC2	81996	5330-291-9031	SEAL, PLAIN ENCASED	C5500.09
TW2CB	30177	3950-391-0985	WINDLASS	2101
TYPEJF1	20019	6105-766-7975	MOTOR, DIRECT CURRENT	2315
TYPERS102	27092	6605-767-5581	COMPASS, MAGNETIC, MOUNTED	6803
TYPEIM10	20049	6680-767-2223	GENERATOR, TACHOMETER	A0607
TYPEIC1F	20049		INDICATOR, SHAFT REVOLUTION	A0607

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T105I	56500	4820-767-4288	VALVE, SAFETY	2315
T106DL	56500	7310-418-5001	VALVE, CONTROL	2315
VRV6003A	19728	2920-523-4328	REGULATOR, ENGINE GENERATOR	C0602, D0602
WMS2157-10X	01843	5310-205-9912	WASHER, FLAT	A0301
WMS2157-402X	01843	5310-416-8520	WASHER, FLAT	A0301
WMS2157-7X	01843	5310-205-9924	WASHER, FLAT	A0301
WMS2157-8X	01843	2910-364-5865	SHIM	A0301
WMS2157-9X	01843	5310-205-9925	WASHER, FLAT	A0301
WSE4101AT	19728	2920-274-5687	RELAY, SOLENOID	C0603, D0603
WSP2044A1X	01843	2910-598-6760	SPRING, HELICAL, COMPRESSION	C0301
W014-5	14959		BOILER, HEATING, LOW PRESSURE	6001
W2310	00320	2930-652-1501	PUMP, CENTRIFUGAL	A0504.03
W2310P2	00320	2930-765-2578	RING, WEARING, CENTRIFUGAL PUMP	A0504.03
W2310P20	00320	5330-292-7324	ROPE, ASBESTOS	A0504.03
W2310P23	00320	5330-290-8576	GASKET	A0504.03
W2310P5	00320	2930-099-0894	IMPELLER, PUMP, CENTRIFUGAL	A0504.03
W28-1	75214	6350-767-5055	COMPRESSOR, AIR HORN	2202.01
XA3265-13683	61208	3010-707-1352	CLUTCH ASSEMBLY	C5509.04
XHD5-23	30177	3950-301-5946	LINING, BRAKE	2101
YKIT45M	00320	2815-766-7873	GASKET SET	A0100
Z3R104	51900	5340-278-1225	ANODE, CORROSION PREVENTIVE	C0501
02476-02420	60038	3110-277-0093	BEARING, ROLLER, TAPERED	2101
034150	59015	5330-796-4337	GASKET	6011
05A803	43952	3010-379-2247	DISC, COUPLING, CENTER	D5509.06
056-8C	44655	5905-766-796E	RESISTOR, FIXED	A0607
070303	07524	4320-302-0914	BUCKET, ROTOR	6012
0991296	80201	5330-766-7930	SEAL	6011
1C12230	15472	4330-096-2671	FILTER, FLUID, PRESSURE	6003
1F35-18900	41311	5950-391-2307	COIL, SHUNT, CONTACTOR	6027.01
1000-185-0505	41311	5905-283-8115	RESISTOR	2101.03
1000-185-1205	41311	5905-379-2207	RESISTOR	2101.03
1000-185-2005	41311	5905-367-2640	RESISTOR	2101.03
1000-185-3005	41311	5905-367-9143	RESISTOR, FIXED	2101.03
100159	00000	5305-010-0159	SCREW, CAP, HEXAGON HEAD	A0101, A0105, A0115.01, A0115.05, A0305.01 9500.02
100167	00000	5305-010-0167	SCREW, CAP, HEXAGON HEAD	A0129.02.1 9500.02
100185	00000	5305-010-0185	SCREW, CAP, HEXAGON HEAD	A0303.02, A0305 9500.02
100200	00000	5305-207-2576	SCREW, CAP, HEXAGON HEAD	A0115.06 9500.02
10076	73370	2805-530-1042	GASKET	C0117.02, D0117.02
1012-115V	07657	4540-767-4266	HEATER, IMMERSION, ELECTRICAL	2310
101489	73370	5330-641-0202	GASKET	C0309, D0309
101521	58417	4320-360-5282	STRAINER	6003
1025X3	56365	6110-417-9948	SPRING, LATCH, MOTOR START	B4019
103341	00000	5310-010-3341	WASHER, FLAT	B0305 9500.02
103385	00000	5315-010-3385	PIN, COTTER	A0111, C0117.01, D0117.01 9500.02
104-330-29	63743	5930-766-7957	HEATER, THERMAL RELEASE	A4019
105451	72582	5330-229-4018	GASKET	B0103

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10615	73370	5330-291-4503	WASHER, NONMETALLIC	C0117.02, D0117.02
108618	72582	5306-270-9416	BOLT, MACHINE	B0117.02 9500.02
10910111	89930	6105-090-2614	WINDING, MOTOR FIELD	2101.01
109258	00000	5305-292-5731	SCREW, CAP, HEXAGON HEAD	A0115.02, A0117.03, A0129.02.2, A0305 9500.02
118100-4	41311		CONTACTOR	1406.02
1106867	16764	2920-374-4377	GENERATOR, ENGINE ACCESSORY	B0601
111	59015	4320-855-0808	PUMP, CENTRIFUGAL	6011
1113703	16764	2920-620-9428	STARTER, ENGINE, ELECTRICAL	B0603
1118092	16764	2920-276-9263	RELAY, SOLENOID	B0603
1118737	16764	6110-573-0467	REGULATOR, VOLTAGE	B0602
11273-55-11	63743	5945-038-0908	CONTACT, ELECTRICAL	A4019
1131050	89930	6105-323-9850	COIL	2101.01
1134R19A3	56365	6110-772-7833	RESISTOR, FIXED	4025
11483-1-20	63743	5945-259-8976	CONTACT, ELECTRICAL	A4019
1151G1	56365	5945-035-8956	CONTACT, ELECTRICAL	B4019
1151G3	56365	5945-030-2014	CONTACT, ELECTRICAL	B4019
1151X12	56365	5340-366-8442	SPRING, LEAF	B4019
12E979M699	75377	6115-375-2715	COIL	B4100.02
12LEL390BRONZE8	63097	2930-379-0218	BUSHING, PUMP BRACKET	C5500.08
12SL1214X	10741		SEARCHLIGHT	4220
120-115	64171		RANGE, OIL BURNING	2315
12031	20049	6680-767-5579	COUNTER ASSEMBLY, SHAFT REVOLUTION	A0607
12225-18	63743	5945-391-2263	CONTACTOR ASSEMBLY	A4019
12225-5-1	63743	6110-196-3000	CONTACT, ELECTRICAL	A4019
12225-5-3	63743	5945-201-8118	CONTACT, ELECTRICAL	A4019
122408	00000	5305-012-2408	SCREW, CAP, HEXAGON HEAD	A0115.05 9500.02
122698	00000	5310-012-2698	NUT, SLOTTED, HEXAGON	A0129.02.2 9500.02
123679	00000	5310-012-3679	NUT, PLAIN, HEXAGON	A0301 9500.02
12928-178-17MH217	63743	5945-627-2255	STATION, CONTROL, ASSEMBLY	A4019
12928-72-1	63743	6110-266-4780	SPRING, HELICAL, COMPRESSION	A4019
12928-72-2	63743	6110-266-4781	SPRING, HELICAL, COMPRESSION	A4019
12928-95-2	63743	6110-369-1392	CONTACT, ELECTRICAL	A4019
12928-95-3	63743	6110-301-4883	CONTACT, ELECTRICAL	A4019
13008	56500		RANGE, OIL BURNING	2315
13057	73370	2940-558-1252	GASKET	C0117.02
1307479	72582	2930-389-9086	SEAL, WATER PUMP	B0504.01
13148-1	63743	5945-627-2254	RELAY, ARMATURE	A4019
13626-58-1	63743	5930-090-2601	CONTACT, ELECTRICAL	A4019
1369X	49576	4310-267-2941	AIR CLEANER, INTAKE	5008
14E979M699	75377	6115-375-2716	COIL	B4100.02
1431	79384	5330-599-7383	WASHER, NONMETALLIC	A0309
1434	79384	5330-703-8231	GASKET	A0309
1435401	43952	6115-375-2945	HANDLE, CELL PULLER	SECTION IV
1475B9G2	56365		CONTACTOR	B4019
1475G4	56365	6110-413-2439	CONTACT, ELECTRICAL	B4019
1475G9	56365	5945-025-3463	CONTACT, ELECTRICAL	B4019
1475S1W34	56365	5950-648-4045	COIL, RELAY	B4019
1475S2W33	56365	5950-648-4049	COIL, RELAY	B4019

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1475X41	56365	6110-413-2445	CONTACT, ELECTRICAL	B4019
1476X18	56365	6110-312-5189	SPRING, HELICAL, COMPRESSION	B4019
1478	49576	5310-187-1855	WASHER, FLAT	5001
1503518	70040	5340-377-2581	SPRING, HELICAL, COMPRESSION	B0117.02
1503536	70040	5330-298-3950	GASKET	B0309
1503541	70040	5330-297-6075	WASHER, NONMETALLIC	B0309
1503542	70040	2910-290-1425	GASKET	B0309
1508354	70040	5620-571-3510	GAGE	B4709
1513549	70040	6620-610-1883	THERMOMETER, INDICATING	B4708
1526269	70040	5330-364-3359	WASHER, NONMETALLIC	B0304
1528828	70040	2940-364-3357	GASKET	B0304
1529617	70040	2940-142-0129	AIR CLEANER, INTAKE	B0304
1529641	70040	2940-364-3356	ELEMENT, AIR CLEANER INTAKE	B0304
1535514	70040	6680-767-5578	CORE, FLEXIBLE SHAFT	B4701.02
1536865	70040	6680-514-5489	TACHOMETER, MECHANICAL	B4701.02
1538D38G1	56365	5930-375-2525	BELLOWS, PRESSURE SWITCH	B4019
1538X101	56365	5340-375-2535	SPRING, HELICAL	B4019
1538X26	56365	5340-375-2533	SPRING, HELICAL	B4019
1538X37	56365	5340-375-2534	SPRING, HELICAL	B4019
1538484	70040	2910-691-1139	REPAIR KIT, FUEL PUMP	C0303.01, D0303.01
1539649	70040	2910-375-2861	PUMP, FUEL TRANSFER	C0303.01, D0303.01
154BP1	21387	6105-766-7979	MOTOR, DIRECT CURRENT	C4000
1544160	70040	5330-364-3358	CORK STRIP	B0304
1566827	70040	6680-767-5574	DRIVE ASSEMBLY	B4701.02
1585	79384	5305-793-6818	CAPSCREW	A0309
1589	79384	4330-096-2677	FILTER ELEMENT, FLUID, PRESSURE	A0309
1595654	70040	2910-455-8085	FILTER ELEMENT, FLUID, PRESSURE	B0309
160-31-1-75	41311	5945-446-1617	HEATER, THERMAL RELEASE	6027.01
160-31-2-75	41311	5945-446-1618	HEATER, THERMAL RELEASE	6027.01
1601-3PSI1800	14959	4820-767-4286	VALVE, RELIEF	1414
1601-3PSI500	14959	4820-767-4287	VALVE, RELIEF	1414
162A	57163	5120-224-7271	WISE, PIN	SECTION IV
1620-29-8350	41311	6105-375-3022	COIL, RELAY	1406.02,6120
1623FC55	41311		CONTACTOR	1406.02
1652	70270	4730-204-1268	FITTING, LUBRICATION	2101 9500.02
16570-32-1	63743	5945-323-9703	SPRING, HELICAL, EXTENSION	A4019
16571-21-1	63743	5945-303-1183	SPRING, HELICAL, COMPRESSION	A4019
16571-62-1	63743	6110-097-0632	SPRING, HELICAL, COMPRESSION	A4019
1679	49576	4310-360-4036	VALVE, COMPRESSOR	5006.02
1680	49576	4310-360-4040	BUMPER	5006.02
16973876	43952	3120-375-2702	BEARING HALF, SLEEVE	C0111,D0111
1699700	43952	6680-323-9684	THERMOSTAT, FLOW CONTROL	C0506,D0506
17-686	75377	5977-416-6744	RING, HOLDER, ELECTRICAL	B4100.03
1705LT16	41311		CONTROLLER	6120
17068	21387	5977-228-7935	BRUSH, ELECTRICAL CONTACT	B4000.03
1723	79384	5330-672-6766	PACKING, PREFORMED	A0309
17541151	43952	3030-330-8843	BELTS, V, MATCHED SET	4319
17541351	43952	3030-330-8819	BELTS, V, MATCHED SET	C5509.02
179846	00000	5305-017-9846	SCREW, CAP, HEXAGON HEAD	B0103 9500.02
18-597	75377	5977-416-6536	HOLDER ASSEMBLY, ELECTRICAL	B4100.03
1819X	49576	4310-354-8463	VALVE ASSEMBLY, DISCHARGE	5005.01
1822XU	49576	4310-416-2345	VALVE, SUCTION, PRESSURE	5005.01

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1825X	49576	4310-354-8465	VALVE ASSEMBLY, DISCHARGE	5005.01
1828	49576	4310-360-4076	INTERCOOLER, COMPRESSOR	5010
1829AHPX	49576	4310-423-3055	ROD, COMPRESSOR	5004
1829AX	49576	4310-423-3036	ROD, COMPRESSOR	5004
1831	49576	4310-424-5814	GASKET	5000,5004.01
1832	49576	4310-360-4045	SHIM, COMPRESSOR	5004.01
1832A	49576	4310-413-2880	SHIM, COMPRESSOR	5004.01
1832B	49576	4310-413-2881	SHIM, COMPRESSOR	5004.01
1832C	49576	4310-413-2882	SHIM, COMPRESSOR	5004.01
1833	49576	5330-424-5815	GASKET	5000,5001
1838	49576	5306-261-3385	BOLT, MACHINE	5001
1840	49576	5330-550-7481	GASKET	5000,5001
1846	49576	3120-360-4072	WASHER, FLAT	5005.01
1847	49576	5340-360-4073	SPRING, HELICAL, COMPRESSION	5005.01
1848	49576	5310-255-0281	WASHER, FLAT	5000,5005.01
1850	49576	5340-360-4068	SPRING, HELICAL, COMPRESSION	5005.01
1852	49576	4310-360-4064	GASKET	5000,5005.01
18542	79230	6105-805-5134	MOTOR	6027.04
1855	49576	4310-148-5511	DIAPHRAGM	5009
1855G2	56365	6110-499-6095	CONTACT, ELECTRICAL	B4019
1855M15G1	56365	6110-413-2438	CONTACT, ELECTRICAL	B4019
1855X13	56365	6110-312-5190	SPRING, HELICAL, COMPRESSION	B4019
185536G1	56365	6645-416-8864	TIMER, INTERVAL	B4019
1858	49576	5340-363-0318	SPRING, HELICAL, COMPRESSION	5009
1861785	16764	2920-597-3278	SPRING, HELICAL, TORSION	B0603
1862	49576	4310-253-2917	SPRING, HELICAL, EXTENSION	5009
1864B9G6	56365		CONTACTOR	B4019
1864G2	56365	5945-417-8773	CONTACT, ELECTRICAL	B4019
1864G3	56365	5945-417-8774	CONTACT, ELECTRICAL	B4019
1864X13	56365	6110-413-2443	SPRING, HELICAL	B4019
186612	00000	5305-018-6612	SCREW, CAP, HEXAGON HEAD	B0117.02, B0305 9500.02
186619	00000	5305-018-6619	SCREW, CAP, HEXAGON	A0129.02.2, B0305 9500.02
186630	00000	5305-018-6630	SCREW, CAP, HEXAGON HEAD	C0309, D0309 9500.02
1875	49576	4310-360-4081	WASHER, THRUST	5005.01
1876	49576	5310-255-0287	WASHER, FLAT	5000,5005.01
1877	49576	4310-424-5818	GASKET	5000,5005.01
19-946-7	75377	5977-230-6009	BRUSH, ELECTRICAL CONTACT	B4100.03
19LGL7	63097	4320-544-9626	GASKET	C5500.09
19LGT1Q212	63097	5330-375-4671	GASKET	C5500.09
19LS254	63097	5330-375-4672	GASKET	C5500.09
1906909	16764	5977-232-5345	BRUSH, ELECTRICAL CONTACT	B0603
1906911	16764	5977-391-0635	BRUSH, ELECTRICAL CONTACT	B0601
1909527	16764	5977-296-2497	HOLDER ASSEMBLY, ELECTRICAL	B0603
1909989	16764	5970-099-1134	HOLDER, ELECTRICAL CONTACT	B0601
1910033	16764	5340-249-5903	SPRING, HELICAL, EXTENSION	B0601
1937073	16764	2920-587-1508	DRIVE, ENGINE, ELECTRICAL STARTER	B0603
19439-11	63743	5930-766-7956	SWITCH, PUSH	A4019
19439-23-1	63743	5930-391-2265	SWITCH, PUSH	A4019
1950B3G2	56365	6645-417-9356	TIMER, PNEUMATIC	B4019
1950S3W32	56365	5950-243-5147	COIL, RELAY	B4000.06
19635	89930	6105-141-6814	SPRING, HELICAL, COMPRESSION	1406.01, 2101.01
1996027	72582	5930-285-5394	SWITCH, PUSH BUTTON	B0607

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2-71G6	72582		ENGINE, DIESEL	B0100
2C1789	00320	685-337-0947	GAGE, PRESSURE, DIAL INDICATING	A4709
2C1790	00320	6620-831-1261	GAGE, FUEL	A4709
2C1791	04475	6620-551-3865	GAGE, PRESSURE, DIAL INDICATING	A4709
2C2478P	00320	5330-446-8586	SEAL, PLAIN	A0303.01
2C2585P	00320	3110-144-8663	BEARING, BALL, ANNULAR	A0504.03
2C2763	00320	2930-377-2837	GASKET	A0117.03, A0504.03
2C2765	00320	5330-377-2836	GASKET	A0117.03, A0504.03
2C4260	00320	5330-377-2815	GASKET	A0305
2C4470	00320	6685-767-5577	THERMOCOUPLE, HEATING ELEMENT	A0607
2C5460	00320	2910-766-7890	VALVE, RELIEF	A0303.01
2D112	24446	4540-767-4267	HEATER, IMMERSION, ELECTRICAL	2310
2F29-5500	41311	6105-375-3016	COIL, RELAY	2101.03,6120
2G3A901	51900	5330-375-2892	WASHER, NONMETALLIC	C0501
2G3A902	51900	5330-375-2891	GASKET	C0501
2G8B101	51900	5330-305-6111	GASKET	A0117.03
2O-081DC	28199	6320-414-1292	BUZZER	4206
2O-954-0	75377	5977-364-8819	SPRING, SPIRAL, TORSION	B4100.03
2OL16	63743	6350-766-7962	COIL, RELAY	A4019
2OL22	63743	5950-766-7958	COIL, RELAY	A4019
2QM3-501-6B2	51900	2815-766-7861	ELEMENT, HEAT EXCHANGER	D0501
2QM301-6B1	51900	2930-375-2889	BUNDLE, HEAT EXCHANGER	C0501
2O1	98798	4910-690-8452	TEST SET, DIESEL ENGINE	SECTION IV
2O1-22	41311	5945-035-8705	CONTACT, ELECTRICAL	1406.02,6120
2O1-25	41311	5945-035-8706	CONTACT, ELECTRICAL	1406.02,6120
2O1-27	41311	5945-035-8707	CONTACT, ELECTRICAL	1406.02,6120
2O1-29	41311	5945-035-8708	CONTACT, ELECTRICAL	1406.02,6120
2O1-91	41311	5945-444-7898	CONTACT, ELECTRICAL	1406.02,6120
2O37	49576	5340-360-4069	SPRING, HELICAL, COMPRESSION	5005.01
2O55X26	56365	6110-200-7000	SPRING, HELICAL, COMPRESSION	B4019
2O6SF	38443	3110-155-6200	BEARING, BALL, ANNULAR	2101.01
2O63X	49576	4310-354-8468	VALVE ASSEMBLY, SUCTION	5005.01
2O77-2	07829	5977-284-6698	BRUSH, ELECTRICAL CONTACT	2202.01
21101	72072	5330-375-2879	GASKET	C0504.02, D0504.02
21401	72072	5330-375-2886	SEAL	C0504.02, D0504.02
218447	00000	5310-021-8447	NUT, FLAIN, HEXAGON	A0105 9500.02
218459	00000	5310-021-8459	NUT, CASTELLATED, HEXAGON	A0111 9500.02
22041721	43952	3120-375-2785	BUSHING	C0111, D0111
2230F1	15472	4330-277-3273	FILTER ELEMENT, FLUID, PRESSURE	6003
2242C16G1	56365	5930-375-2538	SWITCH, SNAP PRESSURE	B4019
227630	00000	5305-022-7630	SCREW, CAP, HEXAGON HEAD	A0101 9500.02
23X3406	73680	5330-766-7929	SEAL, PLAIN	1408
23128	52676	3110-227-2905	BEARING, ROLLER, SELF ALIGNING	1408
232H	14959	4820-303-1294	VALVE, GLOBE	1414
2357D4G1	56365	5940-375-2542	CONTACT, TERMINAL ASSEMBLY	B4019
2357D4G2	56365	5940-375-2541	CONTACT, TERMINAL ASSEMBLY	B4019

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2357D6G1	56365	5940-785-5707	CONTACT, TERMINAL ASSEMBLY	B4019
2357D6G2	56365	5940-375-2540	CONTACT, TERMINAL ASSEMBLY	B4019
2357D7G1	56365	5930-375-2526	CONTACT, ELECTRICAL	B4019
2357X6	56365	5340-375-2532	SPRING, HELICAL	B4019
2390	24161	3030-180-2119	BELT, V	B5509.02
24260725	43952	2815-375-2825	CHAIN, OIL PUMP DRIVE	C0117.01, D0117.01
2505-121-1	41311		CONTROLLER	6120
2522	49576	4310-413-2854	BRACE, COMPRESSOR	5010
254CW52-1	89930	6105-323-9851	MOTOR, DIRECT CURRENT	2101.01
25480004	43952	2815-375-2753	COOLER ELEMENT	C0117.03, D0117.03
2559-242-101	41311		CONTROLLER	2101.03
2559X	49576	4310-779-6180	ELEMENT, AIR CLEANER, INTAKE	5008
26LGELQ	63097	3120-499-2527	BUSHING	C5500.08
26273	57087	5340-422-5541	SPRING, HOLDER, BRUSH	1406.01, 2101.01, 2120.01
26333-2-2	63743	5945-391-2264	CONTACTOR ASSEMBLY	A4019
2667	49576	4820-167-9375	VALVE, SAFETY RELIEF	5009.03
268002	57087	5970-099-1235	INSULATION	2101.01
27024501	43952	3010-795-3664	COUPLING HALF, SHAFT	D5509.06
272HT20STYLE2	92578	5930-766-7966	SWITCH, CONTROL	6013
280057	89930	5977-038-0988	HOLDER, ELECTRICAL CONTACT BRUSH	1406.01, 2101.01, 2120.01
2815096	43952	5305-631-4469	SCREW, FLAT HEAD	C0107
2827	49576	4310-354-8472	BEARING HALF, SLEEVE	5004
2828	49576	3120-354-8473	BEARING HALF, SLEEVE	5004
283CPAB283A	21387	4320-499-6120	VALVE ASSEMBLY, PUMP	B5503
28909	21387	5330-367-1754	GASKET	B4000.02
29082	82722	5340-506-3491	SPRING, HELICAL, COMPRESSION	A0129.02.2
29822	21387	5330-366-7458	GASKET	B4000.02
3-66	41311	5945-391-2353	CONTACT, ELECTRICAL	2101.03
3-75-2	41311	5945-391-2347	CONTACT, ELECTRICAL	2101.03
3A1874	00320	2930-099-0895	PUMP, CENTRIFUGAL	A0504.03
3A2026	00320	3120-368-5572	BEARING HALF, SLEEVE	A0107
3A2028	00320	3120-368-5570	BEARING HALF, SLEEVE	A0107
3A2054	00320	2815-377-2801	VALVE, POPPET, ENGINE	A0105
3A2055	00320	3120-368-5575	BEARING HALF, SLEEVE	A0111
3A2076	00320	5315-377-2805	PIN, STRAIGHT, HEADLESS	A0111
3A2089	00320	5306-097-5642	BOLT	A0111
3A2128	00320	2815-377-2843	VALVE, AIR STARTING	A0129.02.2
3A2146	00320	5325-588-5524	GROMMET, RUBBER	A0115.02
3A2166	00320	2815-377-2810	RING, PISTON	A0111
3A2169	00320	2815-377-2809	RING, PISTON	A0111
3A2182	00320	4820-377-2803	VALVE, CHECK	A0105
3A2192X	00320	2815-034-8167	ROD ASSEMBLY, CONNECTING	A0111
3A2208	00320	5330-377-2785	GASKET	A0103
3A2210X	00320	2815-305-5861	CYLINDER SLEEVE	A0113
3A2212	00320	5330-377-2771	GASKET	A0115.05
3A2214	00320	5330-377-2776	GASKET	A0115.05
3A2219	00320	5330-377-2778	GASKET	A0115.05
3A2220	00320	5330-377-2781	GASKET	A0115.05
3A2221	00320	5330-377-2784	GASKET	A0101
3A2222	00320	5330-377-2783	GASKET	A0101
3A2223	00320	2815-377-2839	GASKET	A0129.02.1
3A2225	00320	5330-618-7756	GASKET	A0129.02.1

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3A2229	00320	5330-377-2764	GASKET	A0101
3A2230	00320	5330-377-2765	GASKET	A0101
3A2240	00320	5330-377-2793	GASKET	A0115.02
3A2243	00320	5310-670-9476	WASHER, FLAT	A0105
3A2245	00320	2815-377-2788	GASKET	A0105
3A2246	00320	2815-377-2789	GASKET	A0105
3A2254	00320	5330-377-2791	GASKET	A0105
3A2257	00320	5340-377-2798	SPRING, HELICAL, COMPRESSION	A0105
3A2258	00320	5330-377-2790	GASKET	A0115.02
3A2259	00320	5330-377-2825	GASKET	A0301
3A2273	00320	5330-377-2773	GASKET	A0115.05
3A2282	00320	5330-377-2772	GASKET	A0115.05
3A2351	00320	5330-377-2824	GASKET	A0115.06
3A2435	00320	5330-377-2813	GASKET	A0305
3A2436	00320	5330-377-2814	GASKET	A0305.01
3A2440	00320	5330-286-7251	GASKET	A0305.01
3A2441	00320	2815-377-2811	GASKET	A0305.01
3A2446	00320	5330-377-2779	GASKET	A0115.05
3A2456	00320	2815-377-2795	RING, VALVE	A0105
3A2458	00320	5310-281-9409	NUT, CASTELLATED, HEXAGON	A0111
3A2526X	00320	2910-377-2828	TUBE, INJECTION	A0301
3A2537	00320	5340-377-2797	SPRING, HELICAL, COMPRESSION	A0105
3A2538	00320	2815-377-2796	SPRING, HELICAL, COMPRESSION	A0105
3A2572	00320	2815-377-2812	GASKET	0305
3A2578X	00320	2815-377-2804	PIN, PISTON	A0111
3A2600	04475	6685-611-3949	PYROMETER	A0607
3A2700	00320	2815-377-2808	RING, PISTON	A0111
3A2717	00320	5330-285-4219	WASHER, NONMETALLIC	A0105
3A2746	00320	5330-377-2792	GASKET	A0105
3A2832X	00320	2815-377-2806	PISTON ASSEMBLY	A0111
3A2916	04475	5120-767-0571	BAR, FUEL PUMP	SECTION IV
3A3012	00320	3120-368-5571	BEARING HALF, SLEEVE	A0107
3A3082	00320	5306-283-0414	BOLT, MACHINE	A0101
3A3085	00320	5310-283-0979	NUT, SELF-LOCKING, HEXAGON	A0101
3E28-4525	41311	5950-391-2346	COIL, RELAY	2101.03
3F27-5300	41311	6105-375-3021	COIL, RELAY	1406.02, 2101.03,6120
300-48	41311	5945-391-2351	CONTACT, ELECTRICAL	2101.03
3004-09-1PC19	81996		PACKING	0901.03
301-38	41311	5945-035-8693	CONTACT, ELECTRICAL	1406.02, 2101.03,6120
305-43	41311	5930-379-2209	CONTACT, ELECTRICAL	2101.02
3133594	72582	6620-786-6475	THERMOSTAT	B0506
31685001	43952	2815-368-5260	CELL, ENERGY, CYLINDER	C0105
3224773	72582	2990-364-3488	GASKET	B0308
3247-1	64408		GASKET	D5500.09
3247-2	64408		GASKET	D5500.09
325	49576	4930-360-3822	COMPRESSOR, RECIPROCATING	5000
33844375-3340	94135	5330-559-3098	SEAL, PLAIN ENCASED	2101
33844383-25	94135	5330-576-3131	SEAL, PLAIN ENCASED	2120
33844384-1445	94135	5330-836-2019	SEAL, PLAIN ENCASED	2120
331M	10741	9340-300-0364	LENS, SEARCHLIGHT	4220
33145701	43952	2815-375-2826	STRAINER ASSEMBLY, ENGINE	C0117.01, D0117.01
34KN1DW657NEOPRENE	63097	5330-375-2941	SEAL	C5500.09
3400224	29201	5950-391-2337	COIL, MAGNETIC BRAKE	1406.01, 2101.01

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3438	49576	5330-364-8473	GASKET	5009.03
3441	49576	4310-364-8471	FILTER, VALVE, COMPRESSOR	5009.03
3442	49576	5340-171-9355	SHIM	5009.03
3444	49576	4310-363-6986	VALVE, COMPRESSOR	5009.03
3473	79384	2910-377-2838	KIT, ELEMENT REPLACEMENT	A0117.02
35211601	43952	5330-375-2758	GASKET	C0101, D0101
35238080	43952	5330-611-7187	GASKET	C0117.03, D0117.03
35239261	43952	5330-611-7188	GASKET	C0117.03, D0117.03
35311626	43952	5330-375-2771	GASKET	C0105, D0105
35353333	43952	5330-375-2772	GASKET	C0119, D0119
35367661	43952	5330-375-2856	GASKET	C0301, D0301
35369621	43952	5330-375-2853	GASKET	C0117.02
35508221	43952	5330-333-2005	GASKET	C0103
35509931	43952	5330-333-2122	GASKET	D0103
35653981	43952	5330-375-2828	GASKET	C0117.01, D0117.01
35688061	43952	5330-333-2134	GASKET	C0506, D0506
35711301	43952	5330-375-2763	SEAL	C0113, D0113
35773261	43952	5330-375-2762	GASKET	C0103, D0103
35792901	43952	2815-333-0626	GASKET	C0506, D0506
35796541	43952	5330-375-2894	GASKET	C0504.01, D0504.01
35800741	43952	5330-375-2840	GASKET	C0303.02, D0303.02
35807461	43952	5330-333-2130	GASKET	C0308, D0308
35808301	43952	5330-333-2129	GASKET	C0303.01, D0303.01
35808581	43952	5330-375-2773	GASKET	C0119, D0119
35816311	43952	5330-333-2124	GASKET	D0115.01
35817411	43952	5330-333-2007	GASKET	C0115.01
35852481	43952	2930-375-2880	GASKET	C0504.01, D0504.01
35875141	43952	5330-333-2135	GASKET	C0506, D0506
35891023	43952	5330-375-2854	GASKET	C0117.02, D0117.02
35902501	43952	5330-375-2757	GASKET	C0103, D0103
3603010	43952	5340-375-2855	SPRING	C0117.02
3609496	43952	2815-375-2697	SPRING, HELICAL, COMPRESSION	C0115.01, D0115.01
366E	14959	4820-287-6109	VALVE, CHECK	1414
3665	79384	5340-315-0199	SPRING, HELICAL, COMPRESSION	A0309
3680299	43952	5340-275-2823	SPRING	C0115.01, D0115.01
3680388	43952	5340-375-2822	SPRING	C0115.01, D0115.01
374D10X1	56365	6110-312-5200	SPRING, HELICAL, COMPRESSION	B4019
38794A	20107	5977-391-2262	RING, HOLDER, ELECTRICAL BRUSH	A4000.03
38902-2	21387	6105-347-2510	SPRING, HELICAL, TORSION	B4000.03
39574	82722	5340-129-8658	SPRING, HELICAL, COMPRESSION	A0129.02.2
4A1142	00320	5330-377-2831	GASKET	A0117.01
4A1178	00320	2815-651-4251	WICK	A0115.06
4A1184	00320	2930-377-2834	GASKET	A0504.03
4A1185	00320	2930-377-2835	GASKET	A0504.03
4A1188	00320	2815-377-2840	GASKET	A0129.02.1
4A1189	00320	5330-285-6603	GASKET	A0117.03

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4A1190	00320	5330-842-4022	GASKET	A0305.01
4A1192	00320	5306-292-5325	BOLT, INTERNALLY RELIEVED BODY	A0115.06
4A1195	00320	2815-338-6781	PUMP, LUBRICATING OIL ASSEMBLY	A0117.01
4A1199	00320	5330-377-2823	GASKET	A0115.06
4A1201	00320	5330-377-2832	GASKET	A0101,A0117.01
4A1207	00320	5330-305-6144	GASKET	A0117.03
4A1231	00320	5330-377-2842	SEAL	A0129.02.1
4B1078	00320	5330-377-2777	GASKET	A0115.05
4B1090	00320	5330-377-2817	GASKET	A0115.05
4FS2	43952	2815-141-2120	ENGINE, DIESEL	C0100
4FS3	43952	2815-141-2116	ENGINE, DIESEL	DO100
4G3-5R102	51900	5330-310-6667	GASKET	DO501
4Y1048	00320	2815-775-7797	CYLINDER HEAD	A0105
4Y1053	00320		BASE ASSEMBLY	A0101
4017722	43952	5120-592-1034	PLIERS, RETAINING RING	SECTION IV
4017724	43952	5120-592-1033	PLIERS, RETAINING RING	SECTION IV
4017726	43952	5120-592-1032	PLIERS, RETAINING RING	SECTION IV
4022100	43952	5120-592-1035	COMPRESSOR, PISTON RING	SECTION IV
4062TYPES	75377		GENERATOR ASSEMBLY	B4100
4103	89930	3950-301-5947	LINING, BRAKE	2101.01
		6110-323-9799	LINING ASSEMBLY	1406.01, 2120.01
4105-112-1	41311		CONTROLLER	6120
4105-122-1	41311		CONTROLLER	6120
4105FX1	56365	5905-546-2752	RESISTOR, FIXED, WIRE WOUND	4025
4127	49576	3020-517-1767	PULLEY, GROOVE	5002.03
42-986-5	75377	5330-375-2718	GASKET	B4100.02
4307	4334	3110-155-9556	BEARING, BALL, ANNULAR	D5500.08
43609	43991	3110-156-5047	BEARING, BALL, ANNULAR	B4100.02
438081	89930	6105-766-7977	ARMATURE, MOTOR	1406.01
4422	49576	4310-413-2877	RING SET, PISTON	5004
44255100	43952	4720-375-2895	HOSE, RUBBER	C0501.02, D0501.02
44255730	43952	4720-319-1118	HOSE, RUBBER	C0501.02, D0501.02
44257200	43952	4720-319-1117	HOSE, RUBBER	C0501.02, D0501.02
44257830	43952	4720-375-2896	HOSE, RUBBER	C0501.02, D0501.02
4434	49576	2805-354-8481	RING SET, PISTON	5004
45M5X8	04475		ENGINE, DIESEL	A0100
48445781	43952	2815-375-2765	SLEEVE	C0113,DO113
5-BBALL	05527	3110-100-6160	BALL, BEARING	B5503
5BC44AB2122X	24446	6105-766-7976	MOTOR, DIRECT CURRENT	6011.01
5008-0-100-1-8	61349	6685-265-0905	GAGE, PRESSURE, DIAL INDICATING	A4709
50262	14959	4530-319-1067	TRANSFORMER, IGNITION	6027.03
50291	14959	4530-030-3113	ELECTRODE, OIL BURNER	6027.03
50320	00320	5330-290-0321	SEAL, PLAIN ENCASED	A0504.03
503938	82722	2030-292-3590	SPRING, HELICAL, COMPRESSION	A0129.02.2
50851A	14959	4530-785-8260	IGNITION ASSEMBLY	6027.03
50890003	43952	2815-375-2706	NOZZLE	C0301,DO301
5114335	72582	5330-844-4764	SEAL, PLAIN ENCASED	B0107
5115954	72582	2930-608-5847	PUMP ASSEMBLY, RAW WATER	B0504.02
5118219	72582	5306-613-9396	BOLT, ASSEMBLED WASHER	B0303.01

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5120949	72582	2990-141-9210	MUFFLER, EXHAUST	B0401
51270450	43952	5310-795-1913	NUT, PLAIN, CAP	CO103, D0103, D0115.01
51476001	43952	5310-375-2779	NUT	CO105, D0105
5150041	72582	2910-364-3439	TUBE	B0105
5150094	72582	5306-364-3274	BOLT, ROD, CONNECTING	B0111
5150095	72582	5310-266-0496	NUT, SLOTTED, HEXAGON	B0111
5150144	72582	2815-363-8162	GASKET	B0117.01
5150193	72582	5330-212-6290	GASKET	B0303.01
5150289	72582	5340-252-8453	SPRING, HELICAL, COMPRESSION	B0115.01
5150333	72582	5330-291-4806	WASHER, NONMETALLIC	B0115.02
5150362	72582	5307-273-9380	STUD, PLAIN	B0105 9500.02
5150744	72582	5307-281-3301	STUD, PLAIN	B0119, B0501, B0504.01 9500.02
5151931	72582	5307-637-8993	STUD, PLAIN	B0119
5152122	72582	2815-354-1164	GASKET	B0303.01
5152149	72582	5306-274-1966	BOLT, MACHINE	B0105
5152288	72582	2815-333-0599	GASKET	B0103
5152385	72582	2815-354-1170	STRAINER, ELEMENT, SEDIMENT	B0117.01
5152413	72582	2815-354-1172	GASKET	B0117.02
5152445	72582	2815-765-0791	GASKET	B0501
5152446	72582	5330-291-6312	GASKET	B0115.02
5152464	72582	5330-527-8493	GASKET	B0308
5152465	72582	2815-354-1174	GASKET	B0308
5152525	72582	2815-354-1175	GASKET	B0109
5153898	72582	2815-354-1187	GASKET	B0504.01
5153945	72582	2940-354-1189	GASKET	B0117.03
5154198	72582	2815-354-1195	GASKET	A0117.07
5154208	72582	2815-354-1196	GASKET	B0117.03
5154210	72582	2815-354-1197	GASKET	B0119
5154213	72582	5330-354-1198	GASKET	B0117.03
5154214	72582	2815-354-1199	GASKET	B0117.03
5154270	72582	2940-470-0900	SPRING, HELICAL, COMPRESSION	B0117.03
5154271	72582	2930-354-1207	GASKET	B0506
5154314	72582	5330-154-8874	SEAL, PLAIN ENCASED	B0107
5154332	72582	2815-127-3058	ROD ASSEMBLY, CONNECTING	B0111
5156145	72582	5330-285-3422	GASKET	B0504.02
5156147	72582	5330-333-2011	GASKET	B0501
5156170	72582	4720-278-5050	HOSE, PREFORMED	B0501.02
5156319	72582	5330-298-5706	GASKET	B0501
5156325	72582	5330-297-4990	GASKET	B0501
5156720	72582	2930-379-4267	PUMP CENTRIFUGAL	B0504.01
5157385	72582		MANIFOLD, EXHAUST	B0119
5158159	72582	2815-354-1229	BLOWER ASSEMBLY, ENGINE	B0305
5159353	72582	2815-511-2336	WASHER HALF, THRUST	B0107
5160037	72582	5330-297-9869	PACKING, PREFORMED	B0105
5163	49576	4310-354-8484	GASKET SET	5000
516445	82722	5340-375-9657	SPRING, HELICAL, COMPRESSION	A0129.02.2
5168203	72582	2815-527-7738	GASKET	B0305
5168205	72582	2910-606-2608	LINE, FUEL	BC303.01
5168523	72582		FILTER, FLUID, PRESSURE	B0117.02
5168863	72582	3030-499-3572	BELTS, V, MATCHED SET	B0129.03

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5168927	72582	2990-623-5928	TUBE, FLEXIBLE, MUFFLER	B0401
5169388	72582	5355-606-8332	THUMBSCREW	B0115.02
5170626	72582	2930-354-1273	IMPELLER, WATER PUMP	B0504.01
5171434	72582	2815-470-0890	PUMP, ROTARY, POWER DRIVEN	B0117.01
517810	65035	2815-338-6786	CUP, PACKING, PISTON	A0129.02.2
5178939	72582	2990-314-6345	GOVERNOR, DIESEL ENGINE	B0308
5184308	72582	2910-594-1977	LINE, FUEL	B0303.01
5184531	72582	2910-343-3402	PUMP, ROTARY, POWER DRIVE	B0303.01
5186858	72582	5340-565-3358	SPRING, HELICAL, COMPRESSION	B0115.02
5188406	72582	2815-524-7727	PIN, PISTON	B0111
5188868	72582	2815-097-2476	CYLINDER SLEEVE	B0113
5189054	72582	2815-691-9701	PISTON ASSEMBLY, INTERNAL COMBUSTION	B0111
5189858	72582	2815-587-3466	HEAD, CYLINDER	B0105
5192320	72582	2815-090-5602	GASKET SET	B0305
5192434	72582	2815-729-5094	GASKET SET	B0100
5192874	72582	2815-662-8992	BEARING, SLEEVE	B0107
5192895	72582	2815-662-8425	BEARING, SLEEVE	B0111
5193221	72582	2910-588-0204	REPAIR KIT	B0301
5193477	72582	2815-288-0695	RING SET, PISTON	B0111
5193576	72582	3020-517-2649	GEAR, SPUR	B0504.02
5193602	72582	2930-099-1060	IMPELLER	B0504.02
5193603	72582	2815-097-3249	GASKET	B0504.02
5193666	72582	2815-516-5915	VALVE, POPPET, ENGINE	B0115.01
5194216	72582	5330-766-7938	SEAL, PLAIN	B0504.02
5195078	72582	2910-629-6387	PARTS KIT, ENGINE FUEL PUMP	B0303.01
519518	65035	2815-338-6783	CUP, PACKING, PISTON	A0129.02.2
5199100	43952	2920-705-1503	SWITCH, ENGINE STARTER, ELECTRICAL	C0607,D0607
5207	21760	3110-156-4850	BEARING, BALL, ANNULAR	C5500.08
520878	82722	4820-656-6885	VALVE, ROTARY	A0129.02.2
520880	65035	2030-390-4250	GASKET	A0129.02.2
521141	82722	2030-291-5015	SPRING, HELICAL, COMPRESSION	A0129.02.2
521774	65035	2030-390-4235	VALVE, CHECK	A0129.02.2
522754	82722	5330-506-3481	GASKET	A0129.02.2
522755	82722	2815-766-7865	VALVE	A0129.02.2
522756	82722	2815-768-2690	VALVE	A0129.02.2
522758	82722	5330-506-3485	GASKET	A0129.02.2
522784	82722	5340-506-3487	SPRING, HELICAL, COMPRESSION	A0129.02.2
5228301	72582	2910-698-2934	PARTS KIT, INJECTOR TIP	B0301
5228310	72582	2910-218-6839	INJECTOR, FUEL	B0301
522980	82722	2240-366-2389	DIAPHRAGM, VALVE	A0129.02.2
523159	65035	2030-391-6048	CYLINDER, SINGLE ACTUATING	A0129.02.2
523619	82722	2240-366-2392	GASKET	A0129.02.2
523734	65035	2815-338-4643	PACKING, PREFORMED	A0129.02.2
524612	82722	5330-366-2416	PACKING, PREFORMED	A0129.02.2
524617	82722	2815-338-4642	RING, PACKING, CONTROL	A0129.02.2
525368	82722	2815-766-7864	VALVE	A0129.02.2
525565	82722	2815-651-4249	SPRING, PISTON RETURN	A0129.02.2
525572	65035	2815-338-6788	LUBRICATOR, PISTON, FELT	A0129.02.2
525583	65035	2815-338-6789	PACKING, PISTON ROD	A0129.02.2
52631	14959	4530-034-8101	NOZZLE, OIL BURNER PRESSURE	6003
526408	82722	4820-314-4525	VALVE	A0129.02.2
526487	82722	2030-344-0768	SEAT, VALVE	A0129.02.2
526786	82722	4820-505-6914	SEAT ASSEMBLY, VALVE	A0129.02.2
526835	82722	2240-565-5783	FILTER, AIR	A0129.02.2
526875	82722	2240-375-9661	VALVE UNIT	A0129.02.2

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527578	82722	2240-366-2437	VALVE, VALVE, BRAKE	A0129.02.2
527579	82722	2240-366-2438	VALVE, VALVE, BRAKE	A0129.02.2
527581	82722	5330-366-2393	GASKET	A0129.02.2
527582	82722	5330-366-2394	GASKET	A0129.02.2
527583	82722	2240-366-2429	STRAINER, SEDIMENT	A0129.02.2
528067	82722	2815-710-7703	CONTROL	A0129.02.2
528187	82722	2815-673-0321	CYLINDER ASSEMBLY, FUEL CUT OFF	A0129.02.2
528692	82722	5340-506-3796	SPRING, HELICAL, COMPRESSION	A0129.02.2
528787	82722	5340-377-2044	SPRING, HELICAL, COMPRESSION	A0129.02.2
529009	82722	4820-506-1266	VALVE, CHECK	A0129.02.2
529010	82722	5330-303-5039	GASKET	A0129.02.2
529014	82722		VALVE	A0129.02.2
529162	82722	5340-589-1461	RING, RETAINING	A0129.02.2
529963	65035	2815-338-6787	CUP, PACKING, PISTON	A0129.02.2
530038	82722	5930-379-0765	SWITCH, ALARM	A0607
530530	65035	4820-203-0790	VALVE, PRESSURE REGULATING	A0129.02.2
5308995	72560	5977-673-5528	BRUSH, ELECTRICAL CONTACT	A4100.C3
5310030	72560	5977-673-5529	HOLDER, ELECTRICAL CONTACT	A4100.03
531043	82722	2030-391-6143	VALVE, CHECK	A0129.02.2
531045	82722	4810-705-9293	VALVE, CYLINDER	A0129.02.2
5310593	72560	5340-366-3873	SPRING, HELICAL, TORSION	A4100.03
5312128	72582	6115-364-3684	SLEEVE, BRUSH STUD	A4100.03
531315	82722	2815-766-7869	VALVE ASSEMBLY	A0129.02.2
5316998	72560	5307-364-3686	STUD	A4100.03
531868	82722	5330-365-6543	PACKING, PREFORMED	A0129.02.2
532268	82722	5330-302-9703	PACKING, PREFORMED	A0129.02.2
532510	82722	2030-305-6145	GASKET	A0129.02.2
532732	65035	2815-338-6784	LINING, BRAKE SHOE	A0129.02.2
533134	65035	2815-338-6785	RING, SEAL, CAP NUT	A0129.02.2
533195	82722	2815-652-1480	INTERLOCK ASSEMBLY, ENGINE	A0129.02.2
534662	82722	5330-366-2414	PACKING, PREFORMED	A0129.02.2
5364645	72560	3110-155-6775	BEARING, BALL, ANNULAR	A4100.02
5367543	72560	5310-641-9253	WASHER, FLAT	A4100.02
53714825	43952	2815-588-5070	PIN, PISTON	C0111, D0111
5384885	72560	6115-204-3269	CAP, DUST	A4100.02
5386708	72560	6150-635-9196	FAN, ELECTRICAL ROTATING EQUIPMENT	A4100.04
5388489	72560	6115-285-5091	GASKET	A4100.02
539112	82722	2030-505-6915	SEAT, VALVE	A0129.02.2
539113	82722	2030-292-4128	SPRING, HELICAL, COMPRESSION	A0129.02.2
539114	82722	2030-591-2623	PLUNGER, VALVE	A0129.02.2
539115	82722	2030-292-4127	SPRING, HELICAL, COMPRESSION	A0129.02.2
539900	65035	2010-391-6132	DIAPHRAGM	A0129.02.2
540107	82722	4820-314-4522	VALVE	A0129.02.2
5406	52676	3110-156-4607	BEARING, BALL, ANNULAR	D5500.08
541465	82722	5340-332-6079	SPRING, HELICAL, COMPRESSION	A0129.02.2
54320301	43952	5180-375-2946	PIN, ENGINE TIMING	SECTION IV
54527	89930	5977-280-8509	BRUSH, ELECTRICAL CONTACT	1406.01, 2101.01, 2120.01
54791	14959	4530-034-8100	ADAPTER, NOZZLE, BURNER	6003
54879341	43952	2815-375-2786	PISTON	C0111, D0111
5514417	72560	6680-514-4684	INDICATOR, SIGHT, LIQUID	4707
55301	14959	4530-034-8102	PUMP, FUEL, OIL BURNER	6004
5571218	70040		FILTER, FLUID, PRESSURE	B0309

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5572425	70040	2940-141-9026	FILTER ELEMENT, FLUID, PRESSURE	B0117.02
5573263	70040	2910-287-5473	FILTER ELEMENT, FLUID, PRESSURE	B0309
5573949	70040		FILTER, FLUID, PRESSURE	B0309
5574161	70040	2940-846-9841	GASKET	B0309
5606	43334	3110-156-5446	BEARING, BALL, ANNULAR	2101
56781A	14959	4530-785-8261	TUBE ASSEMBLY	6003
5699	49576	4310-334-0561	GASKET	5000,5001
5700	49576	5330-333-1886	GASKET	5001
5828718BGP1	24446	3110-227-3403	BEARING, BALL, ANNULAR	6011.01
5828723AAP1	24446	6105-417-1813	WASHER, FELT	6011.01
5869390AKG1	24446	5977-296-4827	BRUSH, ELECTRICAL CONTACT	6011.01
590635	00000	5315-059-0635	PIN, COTTER	A0129.02.2 9500.02
59490006	43952	4320-375-2884	PUMP, ROTARY, POWER DRIVEN	C0504.02, D0504.02
6G3R901	51900	2930-375-2893	GASKET	C0501
60-156	28199	5945-283-8531	RELAY, ARMATURE	4206
6000-105	09842	2990-766-7888	MUFFLER, EXHAUST	C0401,D0401
601-2-1	41311	6110-418-1497	BUTTON, START	6027.01,6115
601-2-2	41311	6110-418-1498	BUTTON, STOP	6027.01,6115
601-2-7	41311	5930-296-6673	SWITCH, PUSH BUTTON	1406.02
604KXH	00320	2815-361-5371	GROMMET, CYLINDER LINER	A0113
610ARB3	00320	5330-414-4628	PACKING, PREFORMED	A0105
6203J	52676	3110-144-8505	BEARING, BALL, ANNULAR	C0601,D0601
62723201	43952	2815-375-2695	LOCK, VALVE SPRING RETAINER	C0115.01, D0115.01
6305J	52676	3110-144-8519	BEARING, BALL, ANNULAR	A4000.02, B4000.02
6306J	52676	3110-144-8527	BEARING, BALL, ANNULAR	B4000.02
% 6308J	52676	3110-144-8663	BEARING, BALL, ANNULAR	A0504.03
6309Z	52676	3110-155-6213	BEARING, BALL, ANNULAR	B4100.02
6313	89382	6605-767-5575	COMPASS, MAGNETIC, MOUNTED	6803
64424861	43952	2815-375-2788	RETAINER	C0111,D0111
64664001	43952	3120-379-2246	WASHER, THRUST	C0107,D0107
647-115VDC	92578	4530-767-2090	CONTROL, COMBUSTION, OIL	6013
6808	04009	5930-766-7955	SWITCH, STARTER	2315
% 7RCSAX497	61178	2815-338-6781	PUMP, LUBRICATING OIL ASSEMBLY	A0117.01
7006150	43952	6620-631-4599	GAGE, PRESSURE, DIAL INDICATING	C4709,D4709
703343	21387	6105-766-7971	ARMATURE, MOTOR	B4000.01
7075100	43952	6625-632-4668	AMMETER, BATTERY	C0607,D0607
7085100	43952	6320-691-5674	INDICATOR, SPEED	SECTION IV
71060	82722	2030-291-5018	SPRING, HELICAL, COMPRESSION	A0129.02.2
72066570	43952	5330-375-2764	SEAL	C0107,D0107
7250500	43952	5330-375-2819	SEAL	C0115.01, D0115.01
7331045	00000	5330-171-8104	GASKET	C0301,D0301
747M17G2	56365	5945-499-6057	RELAY, THERMAL	B4019
747840A28	56365	5945-546-2751	THERMAL UNIT, RELAY	B4019
7520460	72582	3030-269-9716	BELT, V	B0601
7538225	00000	5306-753-8225	BOLT, MACHINE	6011 9500.02
76718621	43952	5307-375-2766	STUD	C0105,D0105
76862	82722	5340-360-4893	SPRING, HELICAL, COMPRESSION	A0129.02.2

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8-596-4	62119	6105-773-2691	MOTOR, DIRECT CURRENT	2315
8010028	24617	5306-283-0416	BOLT, MACHINE	C0303.02, D0303.02 9500.02
80660003	43952	5120-707-7618	PULLER, CYLINDER LINER	SECTION IV
82582001	43952	2815-375-2708	TUBE	C0301
82582201	43952	2815-375-2707	TUBE	C0301
82582301	43952	2910-091-9844	TUBE, INJECTOR PUMP	D0301
83360	82722	4820-314-4535	VALVE, CHECK	A0129.02.2
83362	82722	4820-302-9704	DISC, VALVE, NONMETALLIC	A0129.02.2
83419721	43952	2815-375-2699	VALVE	C0115.01, D0115.01
8342204	43952	2815-375-2698	VALVE	C0115.01, D0115.01
838029	72582	2805-474-9500	LOCK, VALVE SPRING RETAINER	B0115.01
85002401	43952	2815-375-2776	VALVE, RELIEF	C0117.02
8502837	27462	4420-300-2081	CORE ASSEMBLY, FLUID COOLER	B0501
850507	82722	2030-292-3589	SPRING, HELICAL, COMPRESSION	A0129.02.2
850652	82722	2815-651-4254	CONTROLLER ASSEMBLY	A0129.02.2
8508765	27462	4420-371-9992	CORE ASSEMBLY, FLUID COOLER	B0117.03
8517473	27462	3426-591-2731	ANODE, ZINC	B0501
87016LIC	43334	3110-275-0014	BEARING, BALL, ANNULAR	C4000.02
872A01H7	92578	5930-658-8250	SWITCH, THERMOSTATIC	6013
87803501	43952	5120-375-2947	PULLER, ENERGY CELL	SECTION IV
9-109	41311	5945-035-8735	CONTACT, ELECTRICAL	6027.01, 6120
9-16BALLGRADE1	52676	3110-100-6159	BALL, BEARING	A0303.01
9-52	41311	5945-375-3018	CONTACT, ELECTRICAL	6027.01, 6120
9001TS3A	56365	5930-375-2536	SWITCH, ROTARY	B4019
9012ACW9	56365	5930-375-2537	SWITCH, PRESSURE ASSEMBLY	B4019
9013ASW8	56365	5930-333-2136	SWITCH, PRESSURE	4202.02
91318003	43952	2815-375-2793	CONNECTING ROD ASSEMBLY	C0111,D0111
91318005	43952	2815-375-2832	PUMP, OIL, ENGINE	C0117.01, D0117.01
91323002	43952	5130-707-7616	LUBRICATING	SECTION IV
91325002	43952	2815-375-2789	KIT, VALVE GRINDING	C0111
91326001	43952	2815-375-2713	RING SET, PISTON	C0100
91326003	43952	3120-368-5259	GASKET SET	C0107
91327001	43952	2815-337-9298	BEARING HALF SET, SLEEVE	D0111
91327002	43952	2815-091-7937	RING SET, PISTON	D0100
91327003	43952	2815-091-7937	GASKET SET	D0107
91328002	43952	3120-368-5823	BEARING SET	C0105,D0105
91328006	43952	2815-375-2774	HEAD	C0100,D0100
923-3	23819	6115-375-2714	SPRING ASSORTMENT	A0506
9278X2	41311	2815-414-6438	THERMOSTATIC DEVICE	2101.02
930-2-61	41311	5930-379-2217	SWITCH, CONTROL	6027.01,6120
930-5-10	41311	5340-375-3019	SPRING, SPIRAL	2101.02
930-5-9	41311	5930-379-2214	SPRING, CONTACT FINGER	1406.02, 2101.03,6120
93840	82722	5930-209-7670	SPRING, HELICAL, COMPRESSION	A0129.02.2
950-5-8	41311	5330-506-3721	GASKET	1406.02,6120
96053	82722	5340-375-3031	SPRING, SPIRAL	A0129.02.2
9694	82722	5306-545-3169	BOLT	A0129.02.2
971-4-1	41311	2030-097-0567	SPRING, HELICAL, COMPRESSION	1406.02, 2101.03,6120
		5945-444-7881	CONTACT, ELECTRICAL	

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971-4-16	41311	5945-391-2344	CONTACT, ELECTRICAL	2101.03
973-3-16	41311	5945-391-2349	CONTACT, ELECTRICAL	2101.03
99458	82722	5330-365-6623	GASKET	A0129.02.2
9954-9003A	30190	5977-379-0253	HOLDER, ELECTRICAL CONTACT	6110
9960-2000A	30190	5977-379-0257	BRUSH, ELECTRICAL CONTACT	6110

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2010-277-4254	PROPELLER, SHIP	80064	ST197884400H12385	0901.09
2010-287-7236	BEARING, SLEEVE	76528	C948-2	0901.05
2010-287-7237	BEARING, SLEEVE	76528	C948-1	0901.05
2010-391-6132	DIAPHRAGM	65035	539900	A0129.02.2
2010-804-2693	SHAFT, PROPULSION, SHIP	81996	ST197884301F1419496TC	0901.01
2010-843-8277	SLEEVE, PROPULSION SHAFT, SHIP			0901.01
2030-097-0567	SPRING, HELICAL, COMPRESSION	82722	9694	A0129.02.2
2030-291-5015	SPRING, HELICAL, COMPRESSION	82722	521141	A0129.02.2
2030-291-5018	SPRING, HELICAL, COMPRESSION	82722	71060	A0129.02.2
2030-292-3589	SPRING, HELICAL, COMPRESSION	82722	850507	A0129.02.2
2030-292-3590	SPRING, HELICAL, COMPRESSION	82722	503938	A0129.02.2
2030-292-4127	SPRING, HELICAL, COMPRESSION	82722	539115	A0129.02.2
2030-292-4128	SPRING, HELICAL, COMPRESSION	82722	539113	A0129.02.2
2030-305-6145	GASKET	82722	532510	A0129.02.2
2030-344-0768	SEAT, VALVE	82722	526487	A0129.02.2
2030-390-4235	VALVE, CHECK	65035	521774	A0129.02.2
2030-390-4250	GASKET	65035	520880	A0129.02.2
2030-391-6048	CYLINDER, SINGLE ACTUATING	65035	523159	A0129.02.2
2030-391-6143	VALVE, CHECK	82722	531043	A0129.02.2
2030-505-6915	SEAT, VALVE	82722	539112	A0129.02.2
2030-591-2623	PLUNGER, VALVE	82722	539114	A0129.02.2
2030-766-7853	GEAR, BEVEL	02128	MD16-479A	1406.06
2030-767-5506	DIFFERENTIAL ASSEMBLY	02128	MBL2-119A	1406.07
2090-691-5660	WIPER, WINDSHIELD	81100	KS1385WD26	2202.01
2240-366-2389	DIAPHRAGM, VALVE	82722	522980	A0129.02.2
2240-366-2392	GASKET	82722	523619	A0129.02.2
2240-366-2429	STRAINER, SEDIMENT	82722	527583	A0129.02.2
2240-366-2437	VALVE, VALVE, BRAKE	82722	527578	A0129.02.2
2240-366-2438	VALVE, VALVE, BRAKE	82722	527579	A0129.02.2
2240-375-9661	VALVE UNIT	82722	526875	A0129.02.2
2240-565-5783	FILTER, AIR	82722	526835	A0129.02.2
2540-316-1944	MOTOR, WINDSHIELD WIPER	07829	B2172EZ40HTYPENS	2202.01
2540-713-8359	BLADE, WINDSHIELD WIPER	81100	KS1059A	2202.01
2805-354-8481	RING SET, PISTON	49576	4434	5004
2805-474-9500	LOCK, VALVE SPRING RETAINER	72582	838029	B0115.01
2805-530-1042	GASKET	73370	10076	C0117.02, D0117.02
2815-034-8167	ROD ASSEMBLY, CONNECTING	00320	3A2192X	A0111
2815-090-5602	GASKET SET	72582	5192320	B0305
2815-091-7937	GASKET SET	43952	91327002	D0100
2815-097-1865	GASKET	00320	F1099	A0101
2815-097-2476	CYLINDER SLEEVE	72582	5188868	B0113
2815-097-3249	GASKET	72582	5193603	B0504.02
2815-127-3058	ROD ASSEMBLY, CONNECTING	72582	5154332	B0111
2815-141-2116	ENGINE, DIESEL	43952	4FS3	D0100
2815-141-2120	ENGINE, DIESEL	43952	4FS2	C0100
2815-288-0695	RING SET, PISTON	72582	5193477	B0111
2815-305-5861	CYLINDER SLEEVE	00320	3A2210X	A0113
2815-333-0599	GASKET	72582	5152288	B0103

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2815-333-0626	GASKET	43952	35792901	C0506, D0506
2815-337-9298	RING SET, PISTON	43952	91327001	D0111
2815-337-9300	GOVERNOR, DIESEL ENGINE	77260	GC975	D0308
2815-338-4642	RING, PACKING, CONTROL	82722	524617	A0129.02.2
2815-338-4643	PACKING, PREFORMED	65035	523734	A0129.02.2
2815-338-6779	NOZZLE, FUEL INJECTOR	00320	BM6361A	A0301
		01843	% ADL162TP649	A0301
2815-338-6781	PUMP, LUBRICATING OIL ASSEMBLY	00320	4A1195	A0117.01
		61178	% 7RCSAX497	A0117.01
2815-338-6783	CUP, PACKING, PISTON	65035	519518	A0129.02.2
2815-338-6784	LINING, BRAKE SHOE	65035	532732	A0129.02.2
2815-338-6785	RING, SEAL, CAP NUT	65035	533134	A0129.02.2
2815-338-6786	CUP, PACKING, PISTON	65035	517810	A0129.02.2
2815-338-6787	CUP, PACKING, PISTON	65035	529963	A0129.02.2
2815-338-6788	LUBRICATOR, PISTON, FELT	65035	525572	A0129.02.2
2815-338-6789	PACKING, PISTON ROD	65035	525583	A0129.02.2
2815-354-1164	GASKET	72582	5152122	B0303.01
2815-354-1170	STRAINER, ELEMENT, SEDIMENT	72582	5152385	B0117.01
2815-354-1172	GASKET	72582	5152413	B0117.02
2815-354-1174	GASKET	72582	5152465	B0308
2815-354-1175	GASKET	72582	5152525	B0109
2815-354-1187	GASKET	72582	5153898	B0504.01
2815-354-1195	GASKET	72582	5154198	A0117.07
2815-354-1196	GASKET	72582	5154208	B0117.03
2815-354-1197	GASKET	72582	5154210	B0119
2815-354-1199	GASKET	72582	5154214	B0117.03
2815-354-1229	BLOWER ASSEMBLY, ENGINE	72582	5158159	B0305
2815-361-5371	GROMMET, CYLINDER LINER	00320	604KXH	A0113
2815-361-5375	RETAINER	00320	06462	A0105
2815-363-7576	GAUGE	33287	J1853	SECTION IV
2815-363-8162	GASKET	72582	5150144	B0117.01
2815-368-5260	CELL, ENERGY, CYLINDER	43952	31685001	C0105
2815-375-2695	LOCK, VALVE SPRING	43952	62723201	C0115.01,
	RETAINER			D0115.01
2815-375-2697	SPRING, HELICAL,	43952	3609496	C0115.01,
	COMPRESSION			D0115.01
2815-375-2698	VALVE	43952	8342204	C0115.01,
				D0115.01
2815-375-2699	VALVE	43952	83419721	C0115.01,
				D0115.01
2815-375-2703	PUMP, FUEL METERING	01843	% APF1A80N2400A	C0303.02,
		43952	FS21539U	D0303.02
				C0303.02,
				D0303.02
2815-375-2705	HOLDER ASSEMBLY	01843	AKB9552417A	C0301, D0301
2815-375-2706	NOZZLE	43952	50890003	C0301, D0301
2815-375-2707	TUBE	43952	82582201	C0301
2815-375-2708	TUBE	43952	82582001	C0301
2815-375-2713	GASKET SET	43952	91326001	C0100
2815-375-2753	COOLER ELEMENT	43952	25480004	C0117.03,
				D0117.03
2815-375-2765	SLEEVE	43952	48445781	C0113, D0113
2815-375-2774	HEAD	43952	91328002	C0105, D0105
2815-375-2776	VALVE, RELIEF	43952	85002401	C0117.02
2815-375-2786	PISTON	43952	54879341	C0111, D0111

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2815-375-2788	RETAINER	43952	6442481	CO111, DO111
2815-375-2789	RING SET, PISTON	43952	91325002	CO111
2815-375-2793	CONNECTING ROD ASSEMBLY	43952	91318003	CO111, DO111
2815-375-2825	CHAIN, OIL PUMP DRIVE	43952	24260725	CO117.01, DO117.01
2815-375-2826	STRAINER ASSEMBLY, ENGINE	43952	33145701	CO117.01, DO117.01
2815-375-2832	PUMP, OIL, ENGINE	43952	91318005	CO117.01, DO117.01
2815-375-2867	LUBRICATING		GCI422	CO308
2815-376-0565	GOVERNOR ENGINE ASSEMBLY	77260	PC68577	AO115.06
2815-377-2788	CUP	82722	3A2245	AO105
2815-377-2789	GASKET	00320	3A2246	AO105
2815-377-2795	GASKET	00320	3A2456	AO105
2815-377-2796	RING, VALVE	00320	3A2538	AO105
2815-377-2801	SPRING, HELICAL, COMPRESSION	00320	3A2054	AO105
2815-377-2804	VALVE, POPPET, ENGINE	00320	3A2578X	AO111
2815-377-2806	PIN, PISTON	00320	3A2832X	AO111
2815-377-2808	PISTON ASSEMBLY	00320	3A2700	AO111
2815-377-2809	RING, PISTON	00320	3A2169	AO111
2815-377-2810	RING, PISTON	00320	3A2166	AO111
2815-377-2811	RING, PISTON	00320	3A2441	AO305.01
2815-377-2812	GASKET	00320	3A2572	O305
2815-377-2839	GASKET	00320	3A2223	AO129.02.1
2815-377-2840	GASKET	00320	4A1188	AO129.02.1
2815-377-2843	GASKET	00320	3A2128	AO129.02.2
2815-414-6438	VALVE, AIR STARTING	00320	923-3	AO506
2815-470-0890	THERMOSTATIC DEVICE	23819	5171434	BO117.01
2815-511-2336	PUMP, ROTARY, POWER	72582		BO107
2815-516-5915	DRIVEN	72582	5159353	BO115.01
2815-524-7727	WASHER HALF, THRUST	72582	5193666	BO111
2815-527-7738	VALVE, POPPET, ENGINE	72582	5188406	BO305
2815-528-6070	PIN, PISTON	72582	5168203	AO105
2815-587-3466	GASKET	00320	C6461	BO105
2815-588-5070	LOCK, VALVE SPRING	72582	5189858	CO111, DO111
2815-651-4249	RETAINER	43952	53714825	AO129.02.2
2815-651-4251	HEAD, CYLINDER	82722	525565	AO115.06
2815-651-4254	PIN, PISTON	00320	4A1178	AO129.02.2
2815-652-1480	SPRING, PISTON RETURN	82722	850652	AO129.02.2
2815-662-8425	WICK	82722	533195	BO111
2815-662-8992	CONTROLLER ASSEMBLY	72582	5192895	BO107
2815-673-0321	INTERLOCK ASSEMBLY,	72582	5192874	AO129.02.2
2815-691-9701	ENGINE	72582	5189054	BO111
2815-705-9271	BEARING, SLEEVE	33287	J1241-03	SECTION IV
2815-710-7703	BEARING, SLEEVE	82722	528067	AO129.02.2
2815-729-5094	CYLINDER ASSEMBLY, FUEL	72582	5192434	BO100
2815-765-0791	CUT OFF	72582	5152445	BO501
2815-766-7859	PISTON ASSEMBLY, INTERNAL	75214	P28-5	2202.01
2815-766-7860	COMBUSTION	82722	P50645	AO129.02.2
2815-766-7861	REPAIR KIT	51900	20M3-501-6B2	DO501
2815-766-7864	CONTROL	82722	525368	AO129.02.2
2815-766-7865	GASKET SET	82722	522755	AO129.02.2
	GASKET			
	DIAPHRAGM			
	ACTUATOR			
	ELEMENT, HEAT EXCHANGER			
	VALVE			
	VALVE			

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2815-766-7869	VALVE ASSEMBLY	82722	531315	A0129.02.2
2815-766-7873	GASKET SET	00320	YKIT45M	A0100, 0100
2815-768-2690	VALVE	82722	522756	A0129.02.2
2815-775-7797	CYLINDER HEAD	00320	4Y1048	A0105
2815-792-6431	GASKET	70691	EC9538	0806.01
2910-091-9844	TUBE, INJECTOR PUMP	43952	82582301	D0301
2910-097-5870	VALVE	42280	BLA254	4319
2910-218-6839	INJECTOR, FUEL	72582	5228310	B0301
2910-287-5473	FILTER ELEMENT, FLUID, PRESSURE	70040	5573263	B0309
2910-290-1425	GASKET	70040	1505542	B0309
2910-343-3402	PUMP, ROTARY, POWER DRIVE	72582	5184531	B0303.01
2910-361-9489	PUMP, FUEL	00320	C9290P	A0303.01
2910-364-3439	TUBE	72582	5150041	B0105
2910-364-5865	SHIM	01843	WMS2157-8X	A0301
2910-375-2710	ELEMENT	73370	C1124APB2	C0309, D0309
2910-375-2861	PUMP, FUEL TRANSFER	70040	1539649	C0303.01, D0303.01
2910-377-2828	TUBE, INJECTION	00320	3A2526X	A0301
2910-377-2838	KIT, ELEMENT REPLACEMENT	79384	3473	A0117.02
2910-455-8085	FILTER ELEMENT, FLUID PRESSURE	70040	1595654	B0309
2910-575-0630	FILTER, FUEL	73370	F1124APB	C0309, D0309
2910-588-0204	REPAIR KIT	72582	5193221	B0301
2910-594-1977	LINE, FUEL	72582	5184308	B0303.01
2910-598-6760	SPRING, HELICAL, COMPRESSION	01843	WSF2044A1X	C0301
2910-606-2608	LINE, FUEL	72582	5168205	B0303.01
2910-629-6387	PARTS KIT, ENGINE FUEL PUMP	72582	5195078	B0303.01
2910-691-1139	REPAIR KIT, FUEL PUMP	70040	1538484	C0303.01, D0303.01
2910-698-2934	PARTS KIT, INJECTOR TIP	72582	5228301	B0301
2910-705-9044	PUMP, FUEL INJECTION	00320	BM6371	A0303.02
		01843	APF1C170N2585B	A0303.02
2910-766-7890	VALVE, RELIEF	00320	2C5460	A0303.01
2920-091-8750	DRIVE, ENGINE, ELECTRICAL	72850	A3045	C0603, D0603
2920-188-3024	ARMATURE, GENERATOR	19728	GFL2006F	C0601, D0601
2920-274-5687	RELAY, SOLENOID	19728	WSE4101AT	C0603, D0603
2920-276-9263	RELAY, SOLENOID	16764	1118092	B0603
2920-293-5041	BEARING, SLEEVE	19728	GBF79	C0601, D0601
2920-294-3927	GENERATOR, ENGINE ACCESSORY	19728	GFL4811A	C0601, D0601
2920-363-3939	SPRING, HELICAL, TORSION	19728	GBW45A	C0601, D0601
2920-374-4377	GENERATOR, ENGINE ACCESSORY	16764	1106867	B0601
2920-424-3299	END BELL, ELECTRICAL EQUIPMENT	19728	MBD2079	C0603, D0603
2920-515-1864	SPRING, SPIRAL, TORSION	19728	MBD19	C0603, D0603
2920-523-4328	REGULATOR, ENGINE GENERATOR	19728	VRV6003A	C0602, D0602
2920-587-1508	DRIVE, ENGINE, ELECTRICAL STARTER	16764	1937073	B0603
2920-597-3278	SPRING, HELICAL, TORSION	16764	1861785	B0603
2920-620-9428	STARTER, ENGINE, ELECTRICAL	16764	1113703	B0603
2920-640-7280	STARTER, ENGINE, ELECTRICAL	19728	MCC4003	C0603, D0603

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2920-705-1503	SWITCH, ENGINE STARTER, ELECTRICAL	43952	5199100	C0607, D0607
2930-099-0894	IMPELLER, PUMP, CENTRIFUGAL	00320	W2310P5	A0504.03
2930-099-0895	PUMP, CENTRIFUGAL	00320	3A1874	A0504.03
2930-099-1060	IMPELLER	72582	5193602	B0504.02
2930-354-1207	GASKET	72582	5154271	B0506
2930-354-1273	IMPELLER, WATER PUMP	72582	5170626	B0504.01
2930-361-9463	GASKET	00320	S1005	A0117.02, A0117.03
2930-375-2712	PACKING ASSEMBLY	53591	C115386	C0504.01, D0504.01
2930-375-2880	GASKET	43952	35852481	C0504.01, D0504.01
2930-375-2885	PUMP ASSEMBLY, WATER	53591	A119283	D0504.01, C0504.01, D0504.01
2930-375-2889	BUNDLE, HEAT EXCHANGER	51900	20M301-6B1	C0501
2930-375-2893	GASKET	51900	6G3R901	C0501
2930-377-2834	GASKET	00320	4A1184	A0504.03
2930-377-2835	GASKET	00320	4A1185	A0504.03
2930-377-2837	GASKET	00320	2C2763	A0117.03, A0504.03
2930-377-2847	PUMP, OIL	70691	EC9520	0806.01
2930-377-2848	SEAL, OIL GEAR	70691	EC8742	0802.06
2930-379-0218	BUSHING, PUMP BRACKET	63097	12LEL390BRONZEB8	C5500.08
2930-379-4267	PUMP CENTRIFUGAL	72582	5156720	B0504.01
2930-389-9086	SEAL, WATER PUMP	72582	1307479	B0504.01
2930-588-5292	HOSE, WATER CONNECTOR	00320	BM158A	A0117.03
2930-608-5847	PUMP ASSEMBLY, RAW WATER	72582	5115954	B0504.02
2930-652-1501	PUMP, CENTRIFUGAL	00320	W2310	A0504.03
2930-765-2578	RING, WEARING, CENTRIFUGAL PUMP	00320	W2310P2	A0504.03
2940-141-9026	FILTER ELEMENT, FLUID, PRESSURE	70040	5572425	B0117.02
2940-142-0129	AIR CLEANER, INTAKE	70040	1529617	B0304
2940-354-1189	GASKET	72582	5153945	B0117.03
2940-364-3356	ELEMENT, AIR CLEANER INTAKE	70040	1529641	B0304
2940-364-3357	GASKET	70040	1528828	B0304
2940-375-2711	FILTER ELEMENT, FLUID PRESSURE	73370	C4P2	C0117.02
2940-429-4091	FILTER ELEMENT, FLUID, PRESSURE	73370	C30P2	D0117.02
2940-470-0900	SPRING, HELICAL, COMPRESSION	72582	5154270	B0117.03
2940-558-1252	GASKET	73370	13057	C0117.02
2940-846-9841	GASKET	70040	5574161	B0309
2990-141-9210	MUFFLER, EXHAUST	72582	5120949	B0401
2990-314-6345	GOVERNOR, DIESEL ENGINE	72582	5178939	B0308
2990-364-3488	GASKET	72582	3224773	B0308
2990-623-5928	TUBE, FLEXIBLE, MUFFLER	72582	5168927	B0401
2990-674-0334	TURBOCHARGER ASSEMBLY	00320	BM6336	A0305
2990-766-7888	MUFFLER, EXHAUST	09842	6000-105	C0401, D0401
3010-305-6587	UNIVERSAL JOINT	02128	MD16-476A	1406.06
3010-379-2247	DISC, COUPLING, CENTER	43952	05A803	D5509.06
3010-423-8018	LINING, FRICTION	61208	A1499	C5509.04
3010-517-1846	COUPLING, SHAFT, FLEXIBLE	75665	L095	A5509.06
3010-528-0813	INSERT, FLEXIBLE COUPLING	75665	L095SPIDER	A5509.06

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3010-707-1352	CLUTCH ASSEMBLY	61208	XA3265-13683	C5509.04
3010-795-3664	COUPLING HALF, SHAFT	43952	27024501	D5509.06
3020-517-1767	PULLEY, GROOVE	49576	4127	5002.03
3020-517-2649	GEAR, SPUR	72582	5193576	B0504.02
3030-180-2119	BELT, V	24161	2390	B5509.02
3030-232-5981	BELT, V	24161	B46	C0504.01, D0504.01
3030-246-0167	BELTS, V, MATCHED SET	73842	B68-2	5002.03
3030-269-9716	BELT, V	72582	7520460	B0601
3030-330-8819	BELTS, V, MATCHED SET	43952	17541351	C5509.02
3030-330-8820	BELT, V	24161	A26S	C0504.02, D0504.02
3030-330-8843	BELTS, V MATCHED SET	43952	17541151	4319
3030-499-3572	BELTS, V, MATCHED SET	72582	5168863	B0129.03
3110-100-6159	BALL, BEARING	52676	9-16 BALL GRADE 1	A0303.01
3110-100-6160	BALL, BEARING	05527	5-8 BALL	B5503
3110-144-8505	BEARING, BALL, ANNULAR	52676	6203J	C0601, D0601
3110-144-8519	BEARING, BALL, ANNULAR	52676	6305J	A4000.02, B4000.02
3110-144-8527	BEARING, BALL, ANNULAR	52676	6306J	B4000.02
3110-144-8663	BEARING, BALL, ANNULAR	00320	2C2585P	A0504.03
		52676	6308J	A0504.03
3110-155-6197	BEARING, BALL, ANNULAR	00000	CAAXIEN	A5500.08
3110-155-6198	BEARING, BALL, ANNULAR	00000	CAAX3EF	2120.01
3110-155-6200	BEARING, BALL, ANNULAR	38443	206SF	2101.01
3110-155-6201	BEARING, BALL, ANNULAR	00000	CAAX3EG	1406.01, 2120.01
3110-155-6213	BEARING, BALL, ANNULAR	52676	6309Z	B4100.02
3110-155-6775	BEARING, BALL, ANNULAR	72560	5364645	A4100.02
3110-155-9556	BEARING, BALL, ANNULAR	43334	4307	D5500.08
3110-156-1798	BEARING, BALL, THRUST	96906	MS17161-93	2101
3110-156-3493	BEARING, BALL, ANNULAR	43334	C8503	6110
3110-156-3515	BEARING, BALL, ANNULAR	43334	C8504	6110
3110-156-4607	BEARING, BALL, ANNULAR	52676	5406	D5500.08
3110-156-4850	BEARING, BALL, ANNULAR	21760	5207	C5500.08
3110-156-5047	BEARING, BALL, ANNULAR	43991	43609	B4100.02
3110-156-5446	BEARING, BALL, ANNULAR	43334	5606	2101
3110-227-2905	BEARING, ROLLER, SELF ALIGNING	52676	23128	1408
3110-227-3403	BEARING, BALL, ANNULAR	24446	5828718BGPI	6011.01
3110-275-0014	BEARING, BALL, ANNULAR	43334	87016LIC	C4000.02
3110-277-0093	BEARING, ROLLER, TAPERED	60038	02476-02420	2101
3110-379-2128	BEARING, BALL, ANNULAR	89930	BB305	1406.01
3120-278-7679	BEARING, SLEEVE	70691	EC7758	0806.01
3120-354-8473	BEARING HALF, SLEEVE	49576	2828	5004
3120-360-4072	WASHER, FLAT	49576	1846	5005.01
3120-368-5259	BEARING HALF SET, SLEEVE	43952	91326003	C0107
3120-368-5570	BEARING HALF, SLEEVE	00320	3A2028	A0107
3120-368-5571	BEARING HALF, SLEEVE	00320	3A3012	A0107
3120-368-5572	BEARING HALF, SLEEVE	00320	3A2026	A0107
3120-368-5575	BEARING HALF, SLEEVE	00320	3A2055	A0111
3120-368-5823	BEARING SET	43952	91327003	D0107
3120-375-2702	BEARING HALF, SLEEVE	43952	16973876	C0111, D0111
3120-375-2785	BUSHING	43952	22041721	C0111, D0111
3120-379-2246	WASHER, THRUST	43952	64664001	C0107, D0107
3120-499-2527	BUSHING	63097	261GELQ	C5500.08

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3426-591-2731	ANODE, ZINC	27462	8517473	B0501
3950-049-8094	CAPSTAN	38294	D6292	2120
3950-301-5946	LINING, BRAKE	30177	XHD5-23	2101
3950-301-5947	LINING, BRAKE	89930	4103	2101.01
3950-391-0985	WINDLASS	30177	TW2CB	2101
4310-148-5511	DIAPHRAGM	49576	1855	5009
4310-253-2917	SPRING, HELICAL, EXTENSION	49576	1862	5009
4310-267-2941	AIR CLEANER, INTAKE	49576	1369X	5008
4310-334-0561	GASKET	49576	5699	5000,5001
4310-354-8463	VALVE ASSEMBLY, DISCHARGE	49576	1819X	5005.01
4310-354-8465	VALVE ASSEMBLY, DISCHARGE	49576	1825X	5005.01
4310-354-8468	VALVE ASSEMBLY, SUCTION	49576	2063X	5005.01
4310-354-8472	BEARING HALF, SLEEVE	49576	2827	5004
4310-354-8484	GASKET SET	49576	5163	5000
4310-360-4036	VALVE, COMPRESSOR	49576	1679	5006.02
4310-360-4040	BUMPER	49576	1680	5006.02
4310-360-4045	SHIM, COMPRESSOR	49576	1832	5004.01
4310-360-4064	GASKET	49576	1852	5000,5005.01
4310-360-4076	INTERCOOLER, COMPRESSOR	49576	1828	5010
4310-360-4081	WASHER, THRUST	49576	1875	5005.01
4310-363-6986	VALVE, COMPRESSOR	49576	3444	5009.03
4310-364-8471	FILTER, VALVE, COMPRESSOR	49576	3441	5009.03
4310-413-2854	BRACE, COMPRESSOR	49576	2522	5010
4310-413-2877	RING SET, PISTON	49576	4422	5004
4310-413-2880	SHIM, COMPRESSOR	49576	1832A	5004.01
4310-413-2881	SHIM, COMPRESSOR	49576	1832B	5004.01
4310-413-2882	SHIM, COMPRESSOR	49576	1832C	5004.01
4310-416-2345	VALVE, SUCTION, PRESSURE	49576	1822XU	5005.01
4310-423-3036	ROD, COMPRESSOR	49576	1829AX	5004
4310-423-3055	ROD, COMPRESSOR	49576	1829AHFX	5004
4310-424-5814	GASKET	49576	1831	5000,5004.01
4310-424-5818	GASKET	49576	1877	5000,5005.01
4310-779-6180	ELEMENT, AIR CLEANER, INTAKE	49576	2559X	5008
4320-030-3191	PUMP ASSEMBLY, PRIMING	42280	AL2	4319
4320-034-8284	PACKING, PREFORMED	16712	S1123AW	A5500.09
4320-097-0637	CUP, PISTON	21387	PDA661C	B5500.03
4320-097-0642	PACKING SET	02128	MDL2-251	1406.10
4320-097-4246	PUMP, ROTARY	24785	QH5F	1410
4320-099-8735	DIAPHRAGM, PUMP	21387	PFC292A1	B5505
4320-099-8736	SEAT, VALVE, PUMP	21387	PFC285A1	B5505
4320-099-8737	VALVE, PUMP	21387	PFC284A1	B5505
4320-108-6966	PUMP, ROTARY, HAND DRIVEN	07524	MODELWH404	6012
4320-218-2791	COUPLING ASSEMBLY	74361	PO34050-5-6-7	6011
4320-289-8854	PUMP, RECIPROCATING, POWER DRIVEN	21387	A625-44	B5500
4320-302-0912	BUCKET, ROTOR	07524	070303	6012
4320-360-5282	STRAINER	58417	101521	6003
4320-362-6630	GASKET	00320	C8193	A0303.01
4320-366-7738	GASKET	42280	D5632XP	4319
4320-366-8570	PISTON, PUMP	21387	PDA663A	B5500.03
4320-375-2884	PUMP, ROTARY, POWER DRIVEN	43952	59490006	C0504.02, D0504.02
		72072	PP2M	C0504.02, D0504.02
4320-379-2038	PUMP, CENTRIFUGAL	64408	JC495-3	D5500
4320-379-2042	GASKET	42280	D8693XP	4319

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4320-418-0110	FOLLOWER, PISTON, PUMP	21387	PDA664A	B5500.03
4320-418-0120	LINER	21387	PBD22A1	B5500.03
4320-418-0134	ROD ASSEMBLY, PUMP	21387	PBE408C2	B5500.03
4320-418-0149	VALVE, SUCTION OR DISCHARGE	21387	PBE10A	B5500.06
4320-499-6117	ROD ASSEMBLY, PUMP	21387	PBE18A	B5500.03
4320-499-6120	VALVE ASSEMBLY, PUMP	21387	283CPAB283A	B5503
4320-512-9228	PUMP, BILGE	63097	L124LM3293	C5500
4320-544-9626	GASKET	63097	19LGL7	C5500.09
4320-626-8461	SPREADER, PISTON CUP, LEATHER	21387	PDA662B	B5500.03
4320-653-0008	LINER, BEARING, PUMP	21387	PBD23A2	B5500.03
4320-766-7901	PUMP, HYDRAULIC	02128	PBL383GA	1410
4320-766-7902	PUMP, ROTARY	16712	A313A143	A5500
4320-790-2345	SEAT, VALVE	21387	PPC514A	B5500.06
4320-855-0808	PUMP, CENTRIFUGAL	59015	111	6011
4330-096-2671	FILTER, FLUID, PRESSURE	15472	1C12230	6003
4330-096-2677	FILTER ELEMENT, FLUID, PRESSURE	79384	1589	A0309
4330-277-3273	FILTER ELEMENT, FLUID, PRESSURE	15472	2230F1	6003
4330-300-2002	FILTER, FLUID, PRESSURE	73370	FB30P2	D0117.02
4330-375-3334	GASKET	15472	A28-213-040	6003
4420-360-2081	CORE ASSEMBLY, FLUID COOLER	27462	8502837	B0501
4420-371-9992	CORE ASSEMBLY, FLUID COOLER	27462	8508765	B0117.03
4530-030-3113	ELECTRODE, OIL BURNER	14959	50291	6027.03
4530-034-8100	ADAPTER, NOZZLE, BURNER	14959	54791	6003
4530-034-8101	NOZZLE, OIL BURNER	14959	52631	6003
4530-034-8102	PUMP, FUEL, OIL BURNER	14959	55301	6004
4530-319-1067	TRANSFORMER, IGNITION	99166	% SIRB140-4	6004
4530-399-4590	VALVE, FUEL METERING	14959	50262	6027.03
4530-733-2597	BURNER, OIL, PRESSURE ATOMIZING	17239	CRC505-5-10	2315
4530-767-2090	CONTROL, COMBUSTION, OIL BURNER, OIL, PRESSURE ATOMIZING	56500	NOC	2315
4530-767-4269	CONTROL, COMBUSTION, OIL BURNER, OIL, PRESSURE ATOMIZING	92578	647-115VDC	6013
4530-785-8260	IGNITION ASSEMBLY	64171	NO2	2315
4530-785-8261	TUBE ASSEMBLY	14959	50851A	6027.03
4540-767-4266	HEATER, IMMERSION, ELECTRICAL	14959	56781A	6003
4540-767-4267	HEATER, IMMERSION, ELECTRICAL	07657	1012-115V	2310
4720-278-5050	HOSE, PREFORMED	24446	2D112	2310
4720-319-1117	HOSE, RUBBER	72582	5156170	B0501.02
4720-319-1118	HOSE, RUBBER	43952	44257200	C0501.02,
4720-375-2895	HOSE, RUBBER	43952	44255730	D0501.02
4720-375-2896	HOSE, RUBBER	43952	44255100	C0501.02,
4720-375-2896	HOSE, RUBBER	43952	44257830	D0501.02
4730-050-4208	FITTING, LUBRICATION	96906	MS15003-1	C0501.02,
4730-204-1268	FITTING, LUBRICATION	70270	1652	D0501.02
				2101
				9500.02
				2101
				9500.02

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4730-222-1003	FITTING, LUBRICATION			A4000.02
1730-555-1406	CLAMP, HOSE			9500.02 A0117.03, B0501.02, C0501.02, D0501.02 9500.02
4810-705-9293	VALVE, CYLINDER	82722	531045	A0129.02.2
4820-090-1445	VALVE, VACUUM BREAKING	42280	D4193	4319
4820-167-9375	VALVE, SAFETY RELIEF	49576	2667	5009.03
4820-203-0790	VALVE, PRESSURE REGULATING	65035	530530	A0129.02.2
4820-287-6109	VALVE, CHECK	14959	366E	1414
4820-302-9704	DISC, VALVE, NONMETALLIC	82722	83362	A0129.02.2
4820-303-1294	VALVE, GLOBE	14959	232H	1414
4820-314-4522	VALVE	82722	540107	A0129.02.2
4820-314-4525	VALVE	82722	526408	A0129.02.2
4820-314-4535	VALVE, CHECK	82722	83360	A0129.02.2
4820-319-1081	BALL	70691	BC9535	0806.01
4820-377-2803	VALVE, CHECK	00320	3A2182	A0105
4820-505-6914	SEAT ASSEMBLY, VALVE	82722	526876	A0129.02.2
4820-506-1262	VALVE, SUPPLY	82722	P5034	A0129.02.2
4820-506-1266	VALVE, CHECK	82722	529009	A0129.02.2
4820-586-4240	VALVE	82722	P50012	A0129.02.2
4820-656-6885	VALVE, ROTARY	82722	520878	A0129.02.2
4820-767-4286	VALVE, RELIEF	14959	1601-3PSI1800	1414
4820-767-4287	VALVE, RELIEF	14959	1601-3PSI500	1414
4820-767-4288	VALVE, SAFETY	56500	T105I	2315
4910-414-2786	BAR, ENGINE TURNING	04475	F2405	SECTION IV
4910-424-8723	PUMP, NOZZLE TESTER	15434	EM5968	SECTION IV
4910-690-8452	TEST SET, DIESEL ENGINE	98798	201	SECTION IV
4910-767-0571	LINE, PUMP	15434	EM5969	SECTION IV
4930-360-3822	COMPRESSOR, RECIPROCATING	49576	325	5000
4940-600-3307	INJECTOR CUTOFF TOOL	33287	J4449	SECTION IV
5120-219-8400	REMOVER, VALVE SPRING	33287	J1227-01	SECTION IV
5120-224-7271	WISE, PIN	57163	162A	SECTION IV
5120-362-9420	WRENCH	33287	J4242	SECTION IV
5120-375-2947	PULLER, ENERGY CELL	43952	87803501	SECTION IV
5120-377-3494	GAGE, FEELER	33287	KM0233B	SECTION IV
5120-414-1636	WRENCH	04475	F1625	SECTION IV
5120-592-1032	PLIERS, RETAINING RING	43952	4017726	SECTION IV
5120-592-1033	PLIERS, RETAINING RING	43952	4017724	SECTION IV
5120-592-1034	PLIERS, RETAINING RING	43952	4017722	SECTION IV
5120-592-1035	COMPRESSOR, PISTON RING	43952	4022100	SECTION IV
5120-707-7618	PULLER, CYLINDER LINER	43952	80660003	SECTION IV
5120-767-0571	BAR, FUEL PUMP	04475	3A2916	SECTION IV
5130-707-7616	KIT, VALVE GRINDING	43952	91323002	SECTION IV
5180-375-2946	PIN, ENGINE TIMING	43952	54320301	SECTION IV
5305-010-0137	SCREW, CAP, HEXAGON HEAD	96906	MS35295-65	A0105 9500.02
5305-010-0159	SCREW, CAP, HEXAGON HEAD	00000	100159	A0101,A0105, A0115.01, A0115.05, A0305.01 9500.02
5305-010-0167	SCREW, CAP, HEXAGON HEAD	00000	100167	A0129.02.1 9500.02

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5305-010-0185	SCREW, CAP, HEXAGON HEAD	00000	100185	A0303.02,A0305 9500.02
5305-012-2408	SCREW, CAP, HEXAGON HEAD	00000	122408	A0115.05 9500.02
5305-017-9846	SCREW, CAP, HEXAGON HEAD	00000	179846	B0103 9500.02
5305-017-9860	SCREW, CAP, HEXAGON HEAD	96906	MS35295-87	B0117.02,B0506 9500.02
5305-017-9885	SCREW, CAP, HEXAGON HEAD	96906	MS35295-113	A0117.01, A0117.03, A0305.01, A0504.03 9500.02
5305-017-9887	SCREW, CAP, HEXAGON HEAD	96906	MS35295-114	A0101,A0504.03 9500.02
5305-018-6612	SCREW, CAP, HEXAGON HEAD	00000	186612	B0117.02,B0305 9500.02
5305-018-6619	SCREW, CAP, HEXAGON	00000	186619	A0129.02.2, B0305 9500.02
5305-018-6630	SCREW, CAP, HEXAGON HEAD	00000	186630	C0309,D0309 9500.02
5305-022-7630	SCREW, CAP, HEXAGON HEAD	00000	227630	A0101 9500.02
5305-206-1075	SCREW, CAP, HEXAGON HEAD			A0303.01 9500.02
5305-207-2576	SCREW, CAP, HEXAGON HEAD	00000	100200	A0115.06 9500.02
5305-207-3846	SCREW, CAP, HEXAGON HEAD			D0504.02 9500.02
5305-292-5731	SCREW, CAP, HEXAGON HEAD	00000	109258	A0115.02, A0117.03, A0129.02.2, A0305 9500.02
5305-414-4357	SCREW, CAP, HEXAGON HEAD			A0115.05 9500.02
5305-550-1311	SCREW, CAP, HEXAGON HEAD	96906	MS35297-64	A0129.02.2 9500.02
5305-577-5462	SCREW, CAP, HEXAGON HEAD	96906	MS35295-60	A0129.02.2, C0117.01,C0308, D0117.01,D0308 9500.02
5305-631-4469	SCREW, FLAT HEAD	43952	2815096	C0107
5305-655-9695	SCREW, CAP, HEXAGON HEAD	96906	MS35297-127	A0117.03 9500.02
5305-793-6818	CAPSCREW	79384	1585	A0309
5305-793-6827	SCREW, CAP, HEXAGON HEAD	00320	C2608L21-4	A0111
5306-097-5642	BOLT	00320	3A2089	A0111
5306-261-3385	BOLT, MACHINE	49576	1838	5001
5306-270-9416	BOLT, MACHINE	72582	108618	B0117.02 9500.02
5306-274-0959	BOLT, MACHINE			C0504.01, D0504.01 9500.02
5306-274-1966	BOLT, MACHINE	72582	5152149	B0105
5306-283-0414	BOLT, MACHINE	00320	3A3082	A0101
5306-283-0416	BOLT, MACHINE	24617	8010028	C0303.02, D0303.02 9500.02

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5306-292-5325	BOLT, INTERNALLY RELIEVED BODY	00320	4A1192	A0115.06
5306-364-3274	BOLT, ROD, CONNECTING	72582	5150094	B0111
5306-545-3169	BOLT	82722	96053	A0129.02.2
5306-550-1209	BOLT, MACHINE	96906	MS35295-32	C0103,C0303.01, D0103,D0303.01 9500.02
5306-550-1318	BOLT, MACHINE	96906	MS35297-36	B0117.01 9500.02
5306-613-9396	BOLT, ASSEMBLED WASHER	72582	5118219	B0303.01
5306-753-8225	BOLT, MACHINE	00000	7538225	6011 9500.02
5306-808-7973	BOLT, MACHINE	96906	MS35303-33	C0101,C0506, D0101,D0117.01, D0506 9500.02
5307-206-3125	STUD, PLAIN	58476	M1773	A0103
5307-273-9380	STUD, PLAIN	72582	5150362	B0105 9500.02
5307-281-3301	STUD, PLAIN	72582	5150744	B0119,B0501, B0504.01 9500.02
5307-364-3686	STUD	72560	5316998	A4100.03
5307-375-2766	STUD	43952	76718621	C0105,D0105
5307-637-8993	STUD, PLAIN	72582	5151931	B0119
5310-010-3319	WASHER, LOCK	96906	MS35338-6	A0303.01, C0504.02,D0504 9500.02
5310-010-3320	WASHER, LOCK	96906	MS35338-7	B0501 9500.02
5310-010-3323	WASHER, LOCK	96906	MS35338-10	A0101,A0117.03, A0129.02.1, A0305.01, A0504.03 9500.02
5310-010-3341	WASHER, FLAT	00000	103341	B0305 9500.02
5310-011-5553	WASHER, LOCK	96906	MS35333-12	A0115.02, A0303.02,A0305 9500.02
5310-011-8617	NUT, PLAIN, HEXAGON	96906	MS35690-803	A0504.03 9500.02
5310-012-0384	WASHER, LOCK	96906	MS35338-29	A0105,A0115.05, A0117.01 9500.02
5310-012-2698	NUT, SLOTTED, HEXAGON	00000	122698	A0129.02.2 9500.02
5310-012-3679	NUT, PLAIN, HEXAGON	00000	123679	A0301 9500.02
5310-012-3935	NUT, SLOTTED, HEXAGON	96906	MS35692-1205	A0115.06 9500.02
5310-013-1046	WASHER, LOCK	96906	MS35338-32	A0115.06 9500.02
5310-021-8447	NUT, PLAIN, HEXAGON	00000	218447	A0105 9500.02
5310-021-8459	NUT, CASTELLATED, HEXAGON	00000	218459	A0111 9500.02

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5310-022-5831	NUT, PLAIN, HEXAGON	88044	AN340-616	A0103 9500.02
5310-167-1291	NUT, CASTELLATED, HEXAGON	88044	AN310-10	A0105 9500.02
5310-167-1300	NUT, PLAIN, HEXAGON	88044	AN316-6R	C0301,D0301 9500.02
5310-187-1855	WASHER, FLAT	49576	1478	5001
5310-205-9912	WASHER, FLAT	01843	WMS2157-10X	A0301
5310-205-9924	WASHER, FLAT	01843	WMS2157-7X	A0301
5310-205-9925	WASHER, FLAT	01843	WMS2157-9X	A0301
5310-255-0281	WASHER, FLAT	49576	1848	5000,5005.01
5310-255-0287	WASHER, FLAT	49576	1876	5000,5005.01
5310-260-7916	NUT, PLAIN, HEXAGON			A0115.02 9500.02
5310-261-7340	WASHER, LOCK	96906	MS35338-8	A0105,A0115.02, A0117.03, A0129.02.2, B0117.02, C0117.01, D0117.01 9500.02
5310-266-0496	NUT, SLOTTED, HEXAGON	72582	5150095	B0111
5310-281-9409	NUT, CASTELLATED, HEXAGON	00320	3A2458	A0111
5310-283-0979	NUT, SELF-LOCKING, HEXAGON	00320	3A3085	A0101
5310-375-2779	NUT	43952	51476001	C0105,D0105
5310-416-8520	WASHER, FLAT	01843	WMS2157-402X	A0301
5310-514-8948	WASHER, LOCK	96906	MS35337-45	B0117.01
5310-624-5395	WASHER, LOCK	96906	MS35337-47	B0117.02,B0506 9500.02
5310-641-9253	WASHER, FLAT	72560	5367543	A4100.02
5310-670-9476	WASHER, FLAT	00320	3A2243	A0105
5310-680-5384	NUT, SLOTTED, HEXAGON	96906	MS35692-625	A0129.02.2 9500.02
5310-795-1913	NUT, PLAIN, CAP	43952	51270450	C0103,D0103, D0115.01
5310-809-5998	WASHER, FLAT	96906	MS27183-18	A0305,A0305.01 9500.02
5310-816-1030	NUT, PLAIN, HEXAGON	96906	MS356901-805	A0101, A0129.02.1 9500.02
5310-823-8803	WASHER, FLAT	96906	MS27183-21	A0305 9500.02
5315-010-3385	PIN, COTTER	00000	103385	A0111,C0117.01, D0117.01 9500.02
5315-010-3388	PIN, COTTER	96906	MS24665-377	A0111 9500.02
5315-012-0123	PIN, COTTER	96906	MS24665-355	A0105 9500.02
5315-059-0635	PIN, COTTER	00000	590635	A0129.02.2 9500.02
5315-234-1664	PIN, COTTER	96906	MS24665-495	C0111,D0111 9500.02
5315-377-2805	PIN, STRAIGHT, HEADLESS	00320	3A2076	A0111
5320-260-4053	RIVET, TUBULAR			2101 9500.02

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5320-275-4392	RIVET, TUBULAR			A0129.02.2 9500.02
5325-588-5524	GROMMET, RUBBER	00320	3A2146	A0115.02
5325-977-1077	GROMMET, RUBBER	00320	S810	A0105,A0115.02
5330-030-3205	GASKET	16712	S11236C	A5500.09
5330-030-3206	GASKET	16712	S1123AV	A5500.09
5330-097-4241	SEAL	16712	S1146A	A5500.09
5330-097-4242	SEAL, PLAIN ENCASED	16712	S1146AA	A5500.09
5330-099-1115	GASKET	51900	G3-5R101	D0501
5330-154-8874	SEAL, PLAIN ENCASED	72582	5154314	B0107
5330-171-8104	GASKET	00000	7331045	C0301,D0301
5330-197-8528	PACKING MATERIAL			9500.01
5330-197-9643	PACKING MATERIAL			9500.01
5330-212-6290	GASKET	72582	5150193	B0303.01
5330-222-2838	PACKING, MATERIAL			9500.01
5330-229-4018	GASKET	72582	105451	B0103
5330-261-5761	RUBBER SHEET, SOLID			9500.01
5330-285-3422	GASKET	72582	5156145	B0504.02
5330-285-4219	WASHER, NONMETALLIC	3A2717	00320	A0105
5330-285-6603	GASKET	00320	4A1189	A0117.03
5330-286-7251	GASKET	00320	3A2440	A0305.01
5330-286-9966	PAPER, GASKET			9500.01
5330-290-0321	SEAL, PLAIN ENCASED	00320	50320	A0504.03
5330-290-8576	GASKET	00320	W2310P23	A0504.03
5330-291-4503	WASHER, NONMETALLIC	73370	10615	C0117.02, D0117.02
5330-291-4806	WASHER, NONMETALLIC	72582	5150333	B0115.02
5330-291-6312	GASKET	72582	5152446	B0115.02
5330-291-9031	SEAL, PLAIN ENCASED	81996	TCSK6873-47PC2	C5500.09
5330-292-7324	ROPE, ASBESTOS	00320	W2310P20	A0504.03
5330-297-4990	GASKET	72582	5156325	B0501
5330-297-6075	WASHER, NONMETALLIC	70040	1503541	B0309
5330-297-9869	PACKING, PREFORMED	72582	5160037	B0105
5330-298-3950	GASKET	70040	1503536	B0309
5330-298-5706	GASKET	72582	5156319	B0501
5330-302-9703	PACKING, PREFORMED	82722	532268	A0129.02.2
5330-303-5039	GASKET	82722	529010	A0129.02.2
5330-305-6111	GASKET	51900	2G8B101	A0117.03
5330-305-6144	GASKET	00320	4A1207	A0117.03
5330-310-6666	GASKET	51900	G3-5R102	D0501
5330-310-6667	GASKET	51900	4G3-5R102	D0501
5330-333-1886	GASKET	49576	5700	5001
5330-333-2005	GASKET	43952	35508221	C0103
5330-333-2007	GASKET	43952	35817411	C0115.01
5330-333-2011	GASKET	72582	5156147	B0501
5330-333-2122	GASKET	43952	35509931	D0103
5330-333-2124	GASKET	43952	35816311	D0115.01
5330-333-2129	GASKET	43952	35808301	C0303.01, D0303.01
5330-333-2130	GASKET	43952	35807461	C0308,D0308
5330-333-2134	GASKET	43952	35688061	C0506,D0506
5330-333-2135	GASKET	43952	35875141	C0506,D0506
5330-347-3900	GASKET	42280	D8235XP	4319
5330-354-1198	GASKET	72582	5154213	B0117.03
5330-361-9438	GASKET	00320	S2334	A0105,A0305.01
5330-364-3358	CORK STRIP	70040	1544160	B0304
5330-364-3359	WASHER, NONMETALLIC	70040	1526269	B0304
5330-364-8473	GASKET	49576	3438	5009.03
5330-365-6543	PACKING, PREFORMED	82722	531868	A0129.02.2
5330-365-6623	GASKET	82722	99458	A0129.02.2

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5330-366-2393	GASKET	82722	527581	A0129.02.2
5330-366-2394	GASKET	82722	527582	A0129.02.2
5330-366-2414	PACKING, PREFORMED	82722	534662	A0129.02.2
5330-366-2416	PACKING, PREFORMED	82722	524612	A0129.02.2
5330-366-7458	GASKET	21387	29822	B4000.02
5330-367-1754	GASKET	21387	28909	B4000.02
5330-375-2718	GASKET	75377	42-986-5	B4100.02
5330-375-2757	GASKET	43952	35902501	C0103,D0103
5330-375-2758	GASKET	43952	35211601	C0101,D0101
5330-375-2762	GASKET	43952	35773261	C0103,D0103
5330-375-2763	SEAL	43952	35711301	C0113,D0113
5330-375-2764	SEAL	43952	72066570	C0107,D0107
5330-375-2771	GASKET	43952	35311626	C0105,D0105
5330-375-2772	GASKET	43952	35353333	C0119,D0119
5330-375-2773	GASKET	43952	35808581	C0119,D0119
5330-375-2819	SEAL	43952	7250500	C0115.01, D0115.01
5330-375-2828	GASKET	43952	35653981	C0117.01, D0117.01
5330-375-2840	GASKET	43952	35800741	C0303.02, D0303.02
5330-375-2853	GASKET	43952	35369621	C0117.02
5330-375-2854	GASKET	43952	35891023	C0117.02, D0117.02
5330-375-2856	GASKET	43952	35367661	C0301,D0301
5330-375-2879	GASKET	72072	21101	C0504.02, D0504.02
5330-375-2886	SEAL	72072	21401	C0504.02, D0504.02
5330-375-2891	GASKET	51900	2G3A902	C0501
5330-375-2892	WASHER, NONMETALLIC	51900	2G3A901	C0501
5330-375-2894	GASKET	43952	35796541	C0504.01, D0504.01
5330-375-2941	SEAL	63097	34KNYDWG657NEOPRENE	C5500.09
5330-375-4671	GASKET	63097	19LGT1Q212	C5500.09
5330-375-4672	GASKET	63097	19LS254	C5500.09
5330-377-2764	GASKET	00320	3A2229	A0101
5330-377-2765	GASKET	00320	3A2230	A0101
5330-377-2771	GASKET	00320	3A2212	A0115.05
5330-377-2772	GASKET	00320	3A2282	A0115.05
5330-377-2773	GASKET	00320	3A2273	A0115.05
5330-377-2776	GASKET	00320	3A2214	A0115.05
5330-377-2777	GASKET	00320	4B1078	A0115.05
5330-377-2778	GASKET	00320	3A2219	A0115.05
5330-377-2779	GASKET	00320	3A2446	A0115.05
5330-377-2781	GASKET	00320	3A2220	A0101
5330-377-2783	GASKET	00320	3A2222	A0101
5330-377-2784	GASKET	00320	3A2221	A0101
5330-377-2785	GASKET	00320	3A2208	A0103
5330-377-2790	GASKET	00320	3A2258	A0115.02
5330-377-2791	GASKET	00320	3A2254	A0105
5330-377-2792	GASKET	00320	3A2746	A0105
5330-377-2793	GASKET	00320	3A2240	A0115.02
5330-377-2813	GASKET	00320	3A2435	A0305
5330-377-2814	GASKET	00320	3A2436	A0305.01
5330-377-2815	GASKET	00320	2C4260	A0305
5330-377-2817	GASKET	00320	4B1090	A0115.05
5330-377-2823	GASKET	00320	4A1199	A0115.06

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5330-377-2824	GASKET	00320	3A2351	A0115.06
5330-377-2825	GASKET	00320	3A2259	A0301
5330-377-2831	GASKET	00320	4A1142	A0117.01
5330-377-2832	GASKET	00320	4A1201	A0101,A0117.01
5330-377-2836	GASKET	00320	2C2765	A0117.03, A0504.03
5330-377-2842	SEAL	00320	4A1231	A0129.02.1
5330-414-2455	GASKET	00320	S800	A0113
5330-414-4628	PACKING, PREFORMED	00320	610ARB3	A0105
5330-418-0112	GASKET	21387	PBD168A	B5500.09
5330-418-0203	PACKING	21387	PCD80B1	B5500.09
5330-424-5815	GASKET	49576	1833	5000,5001
5330-446-8586	SEAL, PLAIN	00320	2C2478P	A0303.01
5330-506-3481	GASKET	82722	522754	A0129.02.2
5330-506-3485	GASKET	82722	522758	A0129.02.2
5330-506-3721	GASKET	82722	93840	A0129.02.2
5330-527-8493	GASKET	72582	5152464	B0308
5330-550-7481	GASKET	49576	1840	5000,5001
5330-559-3098	SEAL, PLAIN ENCASED	94135	33844375-3340	2101
5330-576-3131	SEAL, PLAIN ENCASED	94135	33844383-25	2120
5330-588-5534	GASKET	21387	PEB190A	B5500.09
5330-588-5535	GASKET	21387	PDB388A1	B5500.09
5330-599-7383	WASHER, NONMETALLIC	79384	1431	A0309
5330-611-7187	GASKET	43952	35238080	C0117.03, D0117.03
5330-611-7188	GASKET	43952	35239261	C0117.03, D0117.03
5330-618-7756	GASKET	00320	3A2225	A0129.02.1
5330-641-0202	GASKET	73370	101489	C0309,D0309
5330-641-4108	GASKET	15472	A7-213-Q42	6003
5330-672-6766	PACKING, PREFORMED	79384	1723	A0309
5330-703-8231	GASKET	79384	1434	A0309
5330-766-7927	GASKET	10741	SL1217	4220
5330-766-7928	GASKET	14959	R256	6003
5330-766-7929	SEAL, PLAIN	73680	23X3406	1408
5330-766-7930	SEAL	80201	09912Q6	6011
5330-766-7938	SEAL, PLAIN	72582	5194216	B0504.02
5330-796-4337	GASKET	59015	034150	6011
5330-836-2019	SEAL, PLAIN ENCASED	94135	33844384-1445	2120
5330-842-4022	GASKET	00320	4A1190	A0305.01
5330-844-4764	SEAL, PLAIN ENCASED	72582	5114335	B0107
5340-097-0571	SPRING	70691	EC9536	0806.01
5340-129-8658	SPRING, HELICAL, COMPRESSION	82722	39574	A0129.02.2
5340-171-9355	SHIM	49576	3442	5009.03
5340-249-5903	SPRING, HELICAL, EXTENSION	16764	1910033	B0601
5340-252-8453	SPRING, HELICAL, COMPRESSION	72582	5150289	B0115.01
5340-275-2823	SPRING	43952	3680299	C0115.01, D0115.01
5340-278-1225	ANODE, CORROSION PREVENTIVE	51900	Z3R104	C0501
5340-303-1314	SPRING	76727	C6674-16	2120.03
5340-303-1315	SPRING	76727	C6674-18	2120.03
5340-303-1317	SPRING	76727	C6674-19	2120.03
5340-303-1318	SPRING	76727	D6325-15	2120.02
5340-303-1320	SPRING	76727	D6325-46	2120.02

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5340-315-0199	SPRING, HELICAL, COMPRESSION	79384	3665	A0309
5340-323-9699	SPRING	20107	SP54635	A4000.03
5340-331-8190	SPRING	21387	FFC246A1	B5505
5340-332-6079	SPRING, HELICAL, COMPRESSION	82722	541465	A0129.02.2
5340-360-4068	SPRING, HELICAL, COMPRESSION	49576	1850	5005.01
5340-360-4069	SPRING, HELICAL, COMPRESSION	49576	2037	5005.01
5340-360-4073	SPRING, HELICAL, COMPRESSION	49576	1847	5005.01
5340-360-4893	SPRING, HELICAL, COMPRESSION	82722	76862	A0129.02.2
5340-363-0318	SPRING, HELICAL, COMPRESSION	49576	1858	5009
5340-366-3873	SPRING, HELICAL, TORSION	72560	5310593	A4100.03
5340-366-8442	SPRING, LEAF	56365	1151X12	B4019
5340-375-2532	SPRING, HELICAL	56365	2357X6	B4019
5340-375-2533	SPRING, HELICAL	56365	1538X26	B4019
5340-375-2534	SPRING, HELICAL	56365	1538X37	B4019
5340-375-2535	SPRING, HELICAL	56365	1538X101	B4019
5340-375-2822	SPRING	43952	3680388	C0115.01, D0115.01
5340-375-2855	SPRING	43952	3603010	C0117.02
5340-375-3019	SPRING, SPIRAL	41311	930-2-61	6027.01, 6120
5340-375-3031	SPRING, SPIRAL	41311	950-5-8	1406.02, 6120
5340-375-9657	SPRING, HELICAL, COMPRESSION	82722	516445	A0129.02.2
5340-377-2044	SPRING, HELICAL, COMPRESSION	82722	528787	A0129.02.2
5340-377-2581	SPRING, HELICAL, COMPRESSION	70040	1503518	B0117.02
5340-377-2797	SPRING, HELICAL, COMPRESSION	00320	3A2537	A0105
5340-377-2798	SPRING, HELICAL, COMPRESSION	00320	3A2257	A0105
5340-377-3343	SPRING	00320	C9290P4	A0303.01
5340-418-0141	SPRING	21387	P2AB246A	B5503
5340-422-5541	SPRING, HOLDER, BRUSH	57087	26273	1406.01, 2101.1, 2120.01
5340-506-3487	SPRING, HELICAL, COMPRESSION	82722	522784	A0129.02.2
5340-506-3491	SPRING, HELICAL, COMPRESSION	82722	29082	A0129.02.2
5340-506-3796	SPRING, HELICAL, COMPRESSION	82722	528692	A0129.02.2
5340-565-3358	SPRING, HELICAL, COMPRESSION	72582	5186858	B0115.02
5340-589-1461	RING, RETAINING	82722	529162	A0129.02.2
5340-766-7926	SPRING, HELICAL, COMPRESSION	75214	R735-0055	2202.01
5340-766-7933	SPRING, HELICAL, COMPRESSION	21387	PGC317A	B5500.06
5355-606-8332	THUMBSCREW	72582	5169388	B0115.02
5799-038-0988	HOLDER, ELECTRICAL CONTACT, BRUSH	89930	280057	2120.01
5905-283-8115	RESISTOR	41311	1000-185-0505	2101.03

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5905-367-2640	RESISTOR	41311	1000-185-2005	2101.03
5905-367-9143	RESISTOR, FIXED	41311	1000-185-3005	2101.03
5905-379-0256	RESISTOR	41311	S5E365A43	6120
5905-379-2131	RESISTOR, FIXED, WIRE WOUND	41311	S4T1-175A3	1406.02
5905-379-2132	RESISTOR, VARIABLE	41311	S4T1-175A43	1406.02
5905-379-2133	RESISTOR, VARIABLE	41311	S4T250A290A3	1406.02
5905-379-2199	RESISTOR, VARIABLE	41311	S3T120A500A33	2101.03
5905-379-2200	RESISTOR	41311	S3T500A11	2101.03
5905-379-2201	RESISTOR, VARIABLE	41311	S3T120A120A33	2101.03
5905-379-2202	RESISTOR	41311	S3T500A1	2101.03
5905-379-2203	RESISTOR, VARIABLE	41311	S3T500A250A3	2101.03
5905-379-2204	RESISTOR, VARIABLE	41311	S3T350A250A3	2101.03
5905-379-2205	RESISTOR, VARIABLE	41311	S3T350A350A3	2101.03
5905-379-2206	RESISTOR	41311	S3T800A1	2101.03
5905-379-2207	RESISTOR	41311	1000-185-1205	2101.03
5905-379-2222	RESISTOR, PANEL BOARD	76727	C6674-14	2120.03
5905-379-2223	RESISTOR, CONTROLLER	76727	A6692-1	2120.03
5905-379-2224	RESISTOR, CONTROLLER	76727	A6692-2	2120.03
5905-379-2225	RESISTOR, CONTROLLER	76727	A6692-3	2120.03
5905-391-1724	RESISTOR, FIXED	41311	MIT375A1	6120
5905-391-1729	RESISTOR, FIXED	41311	S3S25A43	6120
5905-391-1730	RESISTOR, FIXED	41311	S3S365A43	6120
5905-546-2752	RESISTOR, FIXED, WIRE WOUND	56365	4105PX1	4025
5905-766-7965	RESISTOR, FIXED	44655	O56-8C	A0607
5905-768-2774	RHEOSTAT, VARIABLE	76149	M600PX	A0607
5920-548-3125	FUSE, CARTRIDGE	96906	MS90088-9	A4019, B4019, 1406.02, 2101.03, 2120.03, 6027.01, 6120, 9500.02
5930-090-2601	CONTACT, ELECTRICAL	63743	13626-58-1	A4019
5930-209-7670	SPRING, HELICAL, COMPRESSION	41311	930-5-9	1406.02, 2101.03, 6120
5930-285-5394	SWITCH, PUSH BUTTON	72582	1996027	B0607
5930-296-6673	SWITCH, PUSH BUTTON	41311	601-2-7	1406.02
5930-333-2136	SWITCH, PRESSURE	56365	9013ASW8	4202.02
5930-375-2525	BELLOWS, PRESSURE SWITCH	56365	1538D38G1	B4019
5930-375-2526	CONTACT, ELECTRICAL	56365	2357D7G1	B4019
5930-375-2536	SWITCH, ROTARY	56365	9001TS3A	B4019
5930-375-2537	SWITCH, PRESSURE ASSEMBLY	56365	9012ACW9	B4019
5930-375-2538	SWITCH, SNAP PRESSURE	56365	2242C16G1	B4019
5930-379-0762	SWITCH, THROTTLE	04475	BM483B	A0607
5930-379-0763	SWITCH, OIL PRESSURE	04475	BM483	A0607
5930-379-0765	SWITCH, ALARM	82722	530038	A0607
5930-379-2209	CONTACT, ELECTRICAL	41311	305-43	2101.02
5930-379-2214	SPRING, CONTACT FINGER	41311	930-5-10	2101.02
5930-379-2217	SWITCH, CONTROL	41311	9278X2	2101.02
5930-379-2226	CONTACT, ELECTRICAL	76726	D6325-14	2120.02
5930-379-2227	CONTACT, STATIONARY	76727	D6325-13	2120.02
5930-391-2265	SWITCH, PUSH	63743	19439-23-1	A4019
5930-658-8250	SWITCH, THERMOSTATIC	92578	872A01H7	6013
5930-766-7953	SWITCH	76727	D6325	2120.02
5930-766-7955	SWITCH, STARTER	04009	6808	2315
5930-766-7956	SWITCH, PUSH	63743	19439-11	A4019
5930-766-7957	HEATER, THERMAL RELEASE	63743	104-330-29	A4019
5930-766-7966	SWITCH, CONTROL	92578	272BT20STYLE2	6013

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5930-772-6550	SWITCH, WATER TEMPERATURE	00320	BM60FB	A0607
5940-375-2540	CONTACT, TERMINAL ASSEMBLY	56365	2357D6G2	B4019
5940-375-2541	CONTACT, TERMINAL ASSEMBLY	56365	2357D4G2	B4019
5940-375-2542	CONTACT, TERMINAL ASSEMBLY	56365	2357D4G1	B4019
5940-785-5707	CONTACT, TERMINAL ASSEMBLY	56365	2357D6G1	B4019
5945-025-3463	CONTACT, ELECTRICAL	56365	1475G9	B4019
5945-030-2014	CONTACT, ELECTRICAL	56365	1151G3	B4019
5945-035-8693	CONTACT, ELECTRICAL	41311	301-38	1406.02, 2101.03,6120
5945-035-8705	CONTACT, ELECTRICAL	41311	201-22	1406.02,6120
5945-035-8706	CONTACT, ELECTRICAL	41311	201-25	1406.02,6120
5945-035-8707	CONTACT, ELECTRICAL	41311	201-27	1406.02,6120
5945-035-8708	CONTACT, ELECTRICAL	41311	201-29	1406.02,6120
5945-035-8735	CONTACT, ELECTRICAL	41311	9-109	6027.01,6120
5945-035-8956	CONTACT, ELECTRICAL	56365	1151G1	B4019
5945-038-0908	CONTACT, ELECTRICAL	63743	11273-55-11	A4019
5945-201-8118	CONTACT, ELECTRICAL	63743	12225-5-3	A4019
5945-259-8976	CONTACT, ELECTRICAL	63743	11483-1-20	A4019
5945-283-8531	RELAY, ARMATURE	28199	60-156	4206
5945-303-1183	SPRING, HELICAL, COMPRESSION	63743	16571-21-1	A4019
5945-323-9703	SPRING, HELICAL, EXTENSION	63743	16570-32-1	A4019
5945-375-3018	CONTACT, ELECTRICAL	41311	9-52	6027.01,6120
5945-391-2263	CONTACTOR ASSEMBLY	63743	12225-18	A4019
5945-391-2264	CONTACTOR ASSEMBLY	63743	26333-2-2	A4019
5945-391-2344	CONTACT, ELECTRICAL	41311	971-4-16	2101.03
5945-391-2347	CONTACT, ELECTRICAL	41311	3-75-2	2101.03
5945-391-2349	CONTACT, ELECTRICAL	41311	973-3-16	2101.03
5945-391-2351	CONTACT, ELECTRICAL	41311	300-48	2101.03
5945-391-2353	CONTACT, ELECTRICAL	41311	3-66	2101.03
5945-391-2369	CONTACT, ELECTRICAL	76727	C6674-1	2120.03
5945-391-2370	CONTACT, ELECTRICAL	76727	C6674-3	2120.03
5945-391-2372	CONTACT, ELECTRICAL	76727	C6674-7	2120.03
5945-391-2373	CONTACT, ELECTRICAL	76727	C6674-8	2120.03
5945-391-2374	CONTACT, ELECTRICAL	76727	C6674-9	2120.03
5945-391-2375	CONTACT, ELECTRICAL	76727	C6674-15	2120.03
5945-391-2376	CONTACT, ELECTRICAL	76727	C6674-20	2120.03
5945-391-2378	SPRING	76727	C6674-5	2120.03
5945-391-2380	SPRING	76727	C6674-11	2120.03
5945-391-2381	SPRING, RELAY	76727	C6674-22	2120.03
5945-417-8773	CONTACT, ELECTRICAL	56365	1864G2	B4019
5945-417-8774	CONTACT, ELECTRICAL	56365	1864G3	B4019
5945-444-7881	CONTACT, ELECTRICAL	41311	971-4-1	1406.02, 2101.03,6120
5945-444-7898	CONTACT, ELECTRICAL	41311	201-91	1406.02,6120
5945-446-1617	HEATER, THERMAL RELEASE	41311	160-31-1-75	6027.01
5945-446-1618	HEATER, THERMAL RELEASE	41311	160-31-2-75	6027.01
5945-499-6057	RELAY, THERMAL	56365	747M17G2	B4019
5945-546-2751	THERMAL UNIT, RELAY	56365	747S40A28	B4019
5945-627-2254	RELAY, ARMATURE	63743	13148-1	A4019
5945-627-2255	STATION, CONTROL, ASSEMBLY	63743	12928-178-17MH217	A4019

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5945-765-4491	SPRING, CONTACT	76727	C6674-2	2120.03
5945-766-8668	SPRING, TIMING, RELAY	76727	C6674-10	2120.03
5950-243-5147	COIL, RELAY	56365	1950S3W32	B4000.06
5950-391-2307	COIL, SHUNT, CONTACTOR	41311	1F35-18900	6027.01
5950-391-2337	COIL, MAGNETIC BRAKE	29201	3400224	1406.01, 2101.01
5950-391-2346	COIL, RELAY	41311	3E28-4525	2101.03
5950-391-2365	COIL, RELAY	76727	C6674-4	2120.03
5950-391-2366	COIL, RELAY	76727	C6674-12	2120.03
5950-391-2367	COIL, CONTACTOR	76727	C6674-17	2120.03
5950-391-2368	COIL, RELAY	76727	C6674-21	2120.03
5950-648-4045	COIL, RELAY	56365	1475S1W34	B4019
5950-648-4049	COIL, RELAY	56365	1475S2W33	B4019
5950-766-7958	COIL, RELAY	63743	20L22	A4019
5970-099-1134	HOLDER, ELECTRICAL CONTACT	16764	1909989	B0601
5970-099-1235	INSULATION	57087	268002	2101.01
5977-033-3676	BRUSH, ELECTRICAL CONTACT	35662	SA682-4	6027.04
5977-033-5499	ARM, ELECTRICAL BRUSH	19728	GCJ26	C0601, D0601
5977-038-0988	HOLDER, ELECTRICAL CONTACT BRUSH	89930	280057	1406.01, 2101.01
5977-049-8135	BRUSH, ELECTRICAL CONTACT	23452	A2788-1	C4000.03
5977-090-1421	BRUSH, ELECTRICAL CONTACT	35662	SA681-2	6027.04
5977-090-1446	HOLDER, ELECTRICAL CONTACT BRUSH	20107	B38786GR1	A4000.03
5977-097-0694	BRUSH, ELECTRICAL CONTACT	14561	EP1ITEM23	2202.01
5977-228-7935	BRUSH, ELECTRICAL CONTACT	21387	17068	B4000.03
5977-228-7940	BRUSH, ELECTRICAL CONTACT	19728	GFL2012S	C0601, D0601
5977-230-6009	BRUSH, ELECTRICAL CONTACT	75377	19-946-7	B4100.03
5977-232-5345	BRUSH, ELECTRICAL CONTACT	16764	1906909	B0603
5977-280-6775	BRUSH, ELECTRICAL CONTACT	19728	MBD1012CS	C0603, D0603
5977-280-8509	BRUSH, ELECTRICAL CONTACT	89930	54527	1406.01, 2101.01, 2120.01
5977-284-6698	BRUSH, ELECTRICAL CONTACT	07829	2077-2	2202.01
5977-284-7530	BRUSH, ELECTRICAL CONTACT	20107	SP54637	A4000.03
5977-296-2497	HOLDER ASSEMBLY, ELECTRICAL	16764	1909527	B0603
5977-296-4827	BRUSH, ELECTRICAL CONTACT	24446	5869390AKG1	6011.01
5977-364-8819	SPRING, SPIRAL, TORSION	75377	20-954-0	B4100.03
5977-379-0253	HOLDER, ELECTRICAL CONTACT	30190	9954-9003A	6110
5977-379-0257	BRUSH, ELECTRICAL CONTACT	30190	9960-2000A	6110
5977-391-0635	BRUSH, ELECTRICAL CONTACT	16764	1906911	B0601
5977-391-2262	RING, HOLDER, ELECTRICAL BRUSH	20107	38794A	A4000.03
5977-416-6536	HOLDER ASSEMBLY, ELECTRICAL	75377	18-597	B4100.03
5977-416-6744	RING, HOLDER, ELECTRICAL	75377	17-686	B4100.03
5977-417-9316	HOLDER ASSEMBLY, ELECTRIC	21387	E38897-2	B4000.03
5977-673-5528	BRUSH, ELECTRICAL CONTACT	72560	5308995	A4100.03
5977-673-5529	HOLDER, ELECTRICAL CONTACT	72560	5310030	A4100.03
5977-766-7952	BRUSH, ELECTRICAL CONTACT	75214	R455-0503	2202.01
5977-770-6171	BRUSH, ELECTRICAL CONTACT	20049	DWGN01213A7CPC417	A0607
5977-779-6207	HOLDER, ELECTRICAL CONTACT BRUSH	23452	A2909	C4000.03
6105-090-2614	WINDING, MOTOR FIELD	89930	10910111	2101.01
6105-097-3362	WINDING, MOTOR FIELD	20107	B38862GP1	A4000.02

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6105-141-6814	SPRING, HELICAL, COMPRESSION	89930	19635	1406.01, 2101.01
6105-323-9698	COIL, INTERPOLE	20107	B38861GP1	A4000.02
6105-323-9850	COIL	89930	1131050	2101.01
6105-323-9851	MOTOR, DIRECT CURRENT	89930	254CW52-1	2101.01
6105-323-9856	MOTOR, DIRECT CURRENT	89930	M224CD92-1	2120.01
6105-347-2510	SPRING, HELICAL, TORSION	21387	38902-2	B4000.03
6105-366-7460	MOTOR, DIRECT CURRENT	21387	DZMFRAMERX 225SFEC15045	B4000
6105-375-3016	COIL, RELAY	41311	2F29-5500	2101.03, 6120
6105-375-3021	COIL, RELAY	41311	3F27-5300	1406.02, 2101.03, 6120
6105-375-3022	COIL, RELAY	41311	1620-29-8350	1406.02, 6120
6105-417-1813	WASHER, FELT	24446	5828723AAP1	6011.01
6105-766-7968	MOTOR, DIRECT CURRENT	30190	SSHIP55	6110
6105-766-7969	MOTOR, DIRECT CURRENT	30190	SSH54	6110
6105-766-7970	MOTOR, DIRECT CURRENT	30190	SSHIP54	6110
6105-766-7971	ARMATURE, MOTOR	21387	703343	B4000.01
6105-766-7974	ARMATURE, MOTOR	89930	E224C2-24	2120.01
6105-766-7975	MOTOR, DIRECT CURRENT	20019	TYPEJF1	2315
6105-766-7976	MOTOR, DIRECT CURRENT	24446	5BC44AB2122X	6011.01
6105-766-7977	ARMATURE, MOTOR	89930	438081	1406.01
6105-766-7978	MOTOR, DIRECT CURRENT	20107	A49206-21DL250	A4000
6105-766-7979	MOTOR, DIRECT CURRENT	21387	154BP1	C4000.
6105-773-2691	MOTOR, DIRECT CURRENT	62119	8-596-4	2315
6105-779-6217	WINDING, MOTOR FIELD	23452	A3005	C4000.02
6105-799-6218	ARMATURE, MOTOR	23452	A2961	C4000.01
6105-805-5134	MOTOR	79230	18542	6027.04
6110-097-0632	SPRING, HELICAL, COMPRESSION	63743	16571-62-1	A4019
6110-196-3000	CONTACT, ELECTRICAL	63743	12225-5-1	A4019
6110-200-7000	SPRING, HELICAL, COMPRESSION	56365	2055X26	B4019
6110-266-4780	SPRING, HELICAL, COMPRESSION	63743	12928-72-1	A4019
6110-266-4781	SPRING, HELICAL, COMPRESSION	63743	12928-72-2	A4019
6110-301-4883	CONTACT, ELECTRICAL	63743	12928-95-3	A4019
6110-312-5189	SPRING, HELICAL, COMPRESSION	56365	1476X18	B4019
6110-312-5190	SPRING, HELICAL, COMPRESSION	56365	1855X13	B4019
6110-312-5200	SPRING, HELICAL, COMPRESSION	56365	374D10X1	B4019
6110-323-9799	LINING ASSEMBLY	89930	4103	1406.01, 2120.01
6110-369-1392	CONTACT, ELECTRICAL	63743	12928-95-2	A4019
6110-413-2438	CONTACT, ELECTRICAL	56365	1855M15G1	B4019
6110-413-2439	CONTACT, ELECTRICAL	56365	1475G4	B4019
6110-413-2443	SPRING, HELICAL	56365	1864X13	B4019
6110-413-2445	CONTACT, ELECTRICAL	56365	1475X41	B4019
6110-417-9948	SPRING, LATCH, MOTOR START	56365	1025X3	B4019
6110-418-1497	BUTTON, START	41311	601-2-1	6027.01, 6115
6110-418-1498	BUTTON, STOP	41311	601-2-2	6027.01, 6115
6110-499-6095	CONTACT, ELECTRICAL	56365	1855G2	B4019
6110-573-0467	REGULATOR, VOLTAGE	16764	1118737	BO602
6110-772-7833	RESISTOR, FIXED	56365	1134R19A3	4025
6115-204-3269	CAP, DUST	72560	5384885	A4100.02
6115-285-5091	GASKET	72560	5388489	A4100.02

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6115-364-3684	SLEEVE, BRUSH STUD	72582	5312128	A4100.03
6115-375-2714	SPRING ASSORTMENT	43952	91328006	C0100,D0100
6115-375-2715	COIL	75377	12E979M699	B4100.02
6115-375-2716	COIL	75377	14E979M699	B4100.02
6115-375-2945	HANDLE, CELL PULLER	43952	1435401	SECTION IV
6115-786-6200	GENERATOR, DIRECT CURRENT	72582	I3699	A4100
6140-184-3407	BATTERY			C0612,D0612
6150-635-9196	FAN, ELECTRICAL	72560	5386708	A4100.04
	ROTATING EQUIPMENT			
6150-766-7972	MOTOR, DIRECT CURRENT	89930	CB225	1406.01
6230-767-5568	PAD, LENS	10741	SL1360	4220
6230-767-5570	REFLECTOR, SEARCHLIGHT	10741	SL375	4220
6230-767-5573	REFLECTOR, SEARCHLIGHT	10741	SL1203	4220
6240-143-3060	LAMP, INCANDESCENT	96906	MS15567-1	1406.02
				9500.02
6240-283-9896	LAMP, INCANDESCENT			4220
				9500.02
6250-299-7091	LAMPHOLDER	10741	SL377X	4220
6320-300-8430	DIAPHRAGM, HORN	14561	SPLITEM7	2202.01
6320-414-1292	BUZZER	28199	20-081DC	4206
6320-691-5674	INDICATOR, SPEED	43952	7085100	SECTION IV
6350-368-4007	HORN, FLUID OPERATED	14561	EP81F	2202.01
6350-766-7962	COIL, RELAY	63743	20L16	A4019
6350-766-7986	HORN, FLUID OPERATED	75214	P130-5	2202.01
6350-766-7987	HORN, FLUID OPERATED	75214	P130-6	2202.01
6350-767-5055	COMPRESSOR, AIR HORN	75214	W28-1	2202.01
6605-767-5575	COMPASS, MAGNETIC, MOUNTED	89382	6313	6803
6605-767-5581	COMPASS, MAGNETIC, MOUNTED	27092	TYPERS102	6803
6620-363-8347	GAUGE	33287	J1319-02	SECTION IV
6620-551-3865	GAGE, PRESSURE, DIAL INDICATING	04475	2C1791	A4709
6620-571-3510	GAGE	70040	1508354	B4709
6620-610-1883	THERMOMETER, INDICATING	70040	1513549	B4708
6620-631-4599	GAGE, PRESSURE, DIAL INDICATING	43952	7006150	C4709,D4709
6620-786-6475	THERMOSTAT	72582	3133594	B0506
6620-831-1261	GAGE, FUEL	00320	2C1790	A4709
6625-632-4668	AMMETER, BATTERY	43952	7075100	C0607,D0607
6645-416-8864	TIMER, INTERVAL	56365	185536G1	B4019
6645-417-9356	TIMER, PNEUMATIC	56365	1950B3G2	B4019
6680-323-9684	THERMOSTAT, FLOW CONTROL	43952	1699700	C0506,D0506
6680-514-4684	INDICATOR, SIGHT, LIQUID	72560	5514417	4707
6680-514-5489	TACHOMETER, MECHANICAL	70040	1536865	B4701.02
6680-767-2223	GENERATOR, TACHOMETER	20049	TYPE1M10	A0607
6680-767-5574	DRIVE ASSEMBLY	70040	1566827	B4701.02
6680-767-5578	CORE, FLEXIBLE SHAFT	70040	1535514	B4701.02
6680-767-5579	COUNTER ASSEMBLY SHAFT REVOLUTION	20049	12031	A0607
6685-265-0905	GAGE, PRESSURE, DIAL INDICATING	61349	5006-0-100-1-8	A4709
6685-337-0947	GAGE, PRESSURE, DIAL INDICATING	00320	2C1789	A4709
6685-611-3949	PYROMETER	04475	3A2600	A0607
6685-767-5577	THERMOCOUPLE, HEATING ELEMENT	00320	2C4470	A0607
6685-767-5580	GAGE, PRESSURE, DIAL INDICATING	04475	BM5790A	A4709
7310-418-5001	VALVE, CONTROL	56500	T106DL	2315
9340-300-0364	LENS, SEARCHLIGHT	10741	331M	4220

By Order of the Secretary of the Army:

EARLE G. WHEELER,
General, United States Army,
Chief of Staff.

Official:

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Major General, United States Army,
The Adjutant General.

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