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T. O. NO. 19-85AC-4

PARTS CATALOG

FOR

63-FOOT AAF RESCUE BOATS

This Technical Order replaces Sections XXI and XXII of T. O. No. 19-85AC-1 dated 15 April 1945.

Published by authority of the Commanding General, Army Air Forces.

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TABLE OF CONTENTS

Section		Page
I	INTRODUCTION	1
II	GROUP ASSEMBLY PARTS LIST	3
	STEERING SYSTEM	3
	Bridge Steering Assembly	3
	Steering Wheel Idler Assembly	4
	Intermediate Bearing Assembly	4
	Stub Shaft Bearing Assembly	5
	Main Torque Tube Assembly	6
	Spline and Torque Tube Bearing Assembly	8
	Rudder and Rudder Bearing Assembly	10
	Link Rod Assembly	11
	Tiller Emergency Arm Assembly	11
	CLUTCH CONTROL SYSTEM	12
	Hydraulic Cylinder Assembly	12
	EH-16 Pedestal Assembly	13
	Valve, Transfer Lever, and Solenoid Assembly	14
	Oil Pressure Pump, Hydraulic Pump Drive and Mounting Bracket Assembly	15
	Pressure Relief Valve Assembly	16
	Clutch Cam Box Assembly	16
	THROTTLE CONTROL SYSTEM	18
	Bridge Control Transmitter and Control Receiver Assembly	18
	MAIN SWITCHBOARD AND INSTRUMENT PANEL INSTALLATION	19
	Center Panel Assembly	19
	Fuel Gage Panel Assembly	19
	Instrument Panel Assembly LH and RH	19
	Starter Relay Assembly	19
	Fuse Panel Assembly	19
	FUEL SYSTEM	20
	Fuel Tank Assembly	20
	Electric Fuel Pump Assembly	21
	Fuel Strainer and Manifold Assembly	21
	Fuel Tank to Manifold Line Assembly	22
	Manifold to Electric Fuel Pump Piping Assembly	24
	Generator Engine to Manifold Piping Assembly	24
	Electric Fuel Pump to Engine Fuel Pump Piping Assembly	25
	LUBRICATION OIL TANK AND PIPING ASSEMBLY	27
	MAIN ENGINE COOLING SYSTEM	29
	Engine Coolant Pump to Thermostat and Intake Sea Cock Piping Assembly (LH side of engine)	29
	Engine Coolant Pump to Thermostat and Intake Sea Cock Piping Assembly (RH side of engine)	31
	Exhaust Manifold Cooling Piping Assembly	32
	MODEL DF-1016 DIRECTION FINDER	33
	PROPELLER DRIVE SYSTEM	35
	FRESH WATER AND SANITATION SYSTEM	37
	Fresh Water Tank Assembly	37
	Vent and Tank Filter Line Assembly	37
	Tank to Main Line Piping Assembly	38
	Officers' Lavatory, Drain, Pump, and Water Line Assembly	39
	Galley Sink, Drain, Pump, and Water Line Assembly	40
	Crew's Lavatory, Drain, Pump, and Water Line Assembly	41
	Water Closet and Piping Assembly RH	42
	Water Closet and Piping Assembly LH	44
	Ice Box Drain Piping Assembly	44
	BILGE DRAIN SYSTEM	45
	Bilge Pump Assembly	45
	Centrifugal Bilge Pump Overboard Discharge and Bilge Pump to Main Line Piping Assembly	45
	Engine Bilge Pump Overboard Discharge and Bilge Pump to Main Line Piping Assembly	47
	Main Line Valve and Piping Assembly	47
	Limber Chain Assembly	47
	FOAMITE FIRE EXTINGUISHING SYSTEM	48
	Foam Generator Piping Assembly (below cockpit floor)	49
	Foam Generator Piping Assembly (cockpit to monitor)	51
	CO_2 FIRE EXTINGUISHING SYSTEM	51
	Control and Extinguisher Assembly	51
	Discharge Piping Assembly	54

Section		Page
	HEATING SYSTEM	54
	Crew's Quarters' Heating and Line Assembly	54
	Officers' Quarters' Heating and Line Assembly	57
	Dispensary Heating and Line Assembly	58
	VENTILATION SYSTEM	60
	Cockpit Blower Assembly	60
	Engine Room Aft Starboard Blower Assembly	61
	Engine Room Aft Port Blower Assembly	63
	Engine Room Forward Starboard Blower Assembly	63
	Engine Room Forward Port Blower Assembly	66
	Galley Blower Assembly	66
	Senior Officers' Quarters' Blower Assembly	69
	Junior Officers' Quarters' Blower Assembly LH and RH	70
	Crew's Toilet Blower Assembly	70
	EXHAUST TUBING ASSEMBLY	70
	BONDING SYSTEM	70
	MISCELLANEOUS EQUIPMENT	73
	Exterior Lighting and Signalling Assembly	73
	Rescue Net Assembly	73
III	NUMERICAL PARTS LIST	74

SECTION I
INTRODUCTION

1. GENERAL.

The Parts Catalog for the 63-foot AAF Rescue Boat is divided into three parts, the Introduction, the Group Assembly Parts List, and the Numerical Parts List. The Introduction explains the arrangement of the Group Assembly Parts List, shows how to use the catalog to find part numbers, lists the abbreviations used, gives the names and addresses of vendors referred to by code designations, shows how to order parts, and gives other pertinent data necessary for the proper utilization of information.

2. THE GROUP ASSEMBLY PARTS LIST.

This section divides the boat into systems or installations, major assemblies, subassemblies, and detail parts. Information is listed in columns under the following headings:

FIGURE NUMBER — The number of the figure in which a part or assembly appears.

INDEX NUMBER—The call-out number of a specific part referred to in a figure.

PART NUMBER—The number assigned to a part by a vendor or which has an AN designation. The part number also includes items which may be purchased locally and lists them as "Commercial."

NOMENCLATURE—The nomenclature is indented by means of numbered columns to show relationship between systems or installations, major assemblies, subassemblies, and detail parts.

Column 1 contains the name of the system or installation.

Column 2 lists major assemblies.

Column 3 lists subassemblies and detail parts of major assemblies and so on.

Parts such as screws, bolts, washers, etc., which attach an assembly to another part or assembly are known as attaching parts and are located in the same column as the assembly or part which they attach.

UNITS PER ASSY—This column indicates the number of units required per assembly, per subassembly, or per sub-subassembly.

3. NUMERICAL PARTS LIST.

This section contains part numbers in numerical sequence and an alphabetical list of parts without part numbers. A cross reference to the Group Assembly Parts List will give the complete nomenclature of the part or assembly, its relationship to major and subassemblies, and the figure and index number of the illustration in which it appears.

4. HOW TO FIND IT IN THE PARTS CATALOG.

By referring to the Table of Contents, determine in which system or installation or major assembly the part would logically appear. Turn to the page listed and check the major and subassemblies in the nomenclature to locate the detail part.

Locate the part in the illustration after determining the system or installation or major assembly in which the part would normally appear. By noting the figure and index number of the part on the exploded view, refer to the figure and index number columns in the Group Assembly List to determine applicable nomenclature and part numbers.

5. HOW TO ORDER PARTS.

When ordering parts, use the complete part number as listed in the part number column and the vendor's name when it follows in parenthesis after the nomenclature. The exact position, function, dimensions, material, and other pertinent data contributing to the adequate definition of parts must be supplied with a requisition to avoid costly delay in procurement.

6. DRAWING NUMBERS AND PART NUMBERS.

Marine Design Branch (Engineering Division, Office of the Chief of Transportation) drawing numbers are included in the nomenclature column for reference only. When these numbers appear in the part number column, fabricated parts are indicated for which no other number is applicable. These are actually the part numbers of the material listed.

LIST OF VENDORS

Code	*Name*
Amer. Br	American Brass and Bronze Co., Waterbury, Conn.
Am. Cab. Hdwe Corp	American Cabinet Hardware Corp., Rockford, Ill.
Belden	Belden Manufacturing Co., Chicago, Ill.
Bludworth	Bludworth, Inc., New York, N.Y.
Chase Brass	Chase Brass and Copper Co., Los Angeles, Calif.
Chicago Metal	Chicago Metal Hose Co., Chicago, Ill.
Chicago Rawhide	Chicago Rawhide Mfg. Co., Chicago, Ill.
Col Br	Columbian Bronze Corp., Freeport, N.Y.
Cole Hersee	Cole Hersee Co., Boston, Mass.
Crane	Crane Co., Chicago, Ill.
Crouse-Hinds	Crouse-Hinds Co., Syracuse, N.Y.
Curtis	Curtis Universal Joint Co., Springfield, Mass.
Cutler-Hammer	Cutler-Hammer, Milwaukee, Wis.
Deming	The Deming Co., Salem, Ohio
Doran	Doran Co., Seattle, Wash.
Ellcon	Ellcon Co., New York, N.Y.
Fafnir	Fafnir Bearing Co., New Britain, Conn.
G.E.	General Electric Co., Schenectady, N.Y.
Goodyear	Goodyear Tire & Rubber Co., Inc., Akron, Ohio
Imperial Brass	Imperial Brass Manufacturing Co., Chicago, Ill.
Kerotest	Kerotest Manufacturing Co., Pittsburgh, Pa.
Kilian	Kilian Ball Bearing Co., Syracuse, N.Y.
Kidde	Walter Kidde & Co., Inc., Bloomfield, N.J.
Link-Belt	Link-Belt Co., Chicago, Ill.
Lord	Lord Manufacturing Co., Erie, Pa.
McIntire Brass	F. N. McIntire Brass Works, Boston, Mass.
Miami	Miami Shipbuilding Corp., Ft. Lauderdale, Fla.
National Foamite	National Foam System, Inc., Philadelphia, Pa.
Par-Kal	Parker-Kalon Corp., New York, N.Y.
P.L. Co.	The Portable Light Co., Inc., New York, N.Y.
Perko	Perkins Marine Lamp and Hardware Corp., Brooklyn, N.Y.
SKF	SKF Industries, Inc., Philadelphia, Pa.
Sperry	Sperry Products, Inc., Brooklyn, N.Y.
St-War	Stewart-Warner Corp., Chicago, Ill.
Titeflex	Titeflex Metal Hose Co., Newark, N.J.
Turner-Seymour	Turner & Seymour, Torrington, Conn.
Triplett	Triplett Electrical Instrument Co., Bluffton, Ohio
Willis	E. J. Willis Co., New York, N.Y.
W-C	Wilcox, Crittendon & Co., Middletown, Conn.

LIST OF ABBREVIATIONS

alum.	aluminum	LH	left hand
cad.	cadmium	LM	local manufacture
C to C	copper to copper	MFD	microfarad
dc	direct current	MMFD	micro microfarad
dia	diameter	NC	national coarse (thread)
fil-hd	fillister head	NF	national fine (thread)
FH	flat head	NPT	national pipe thread
galv	galvanize(d)	OD	outside diameter
hex hd	hexagonal head	RH	right hand and round head
hd	head	rpm	revolutions per minute
ID	inside diameter	SAE	Society of Automotive Engineers
IPS	iron pipe size	sq hd	square head
		std	standard

SECTION II
GROUP ASSEMBLY PARTS LIST

STEERING SYSTEM

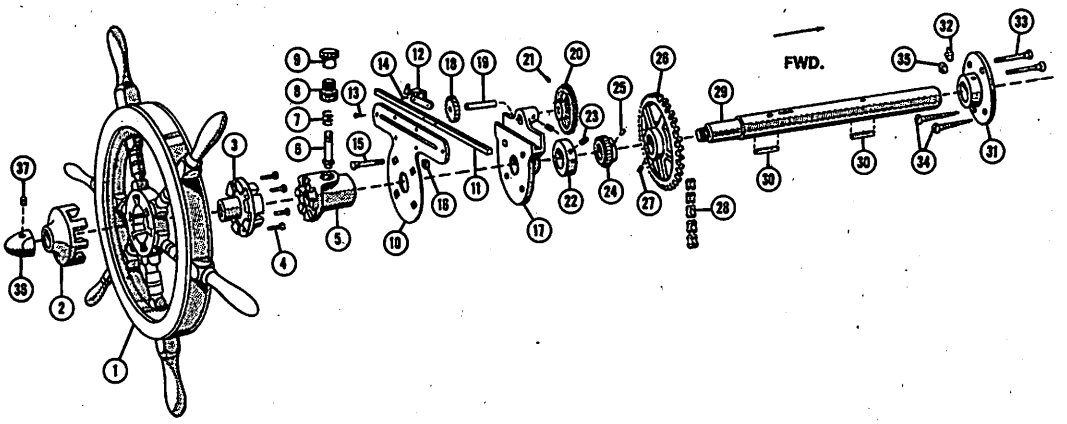


Figure 1—Bridge Steering Assembly

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			BRIDGE STEERING ASSEMBLY	
			Steering System (dwg 416-31)	
1	416-31-B		Steering Assy—Bridge	1
1			Wheel Assy—Steering	1
1- 1	451		Wheel—Steering wood 28 in. dia special (Willis)	1
2	416-47-35		Casting—Manganese bronze (Miami) pattern No. 52-7	1
3	416-47-36		Casting—Manganese bronze (Miami) pattern No. 52-8	1
4			Screw—Cap hex-hd ¼-20NC x ¾ in.	6
1			Hub Assy—Clutch (dwg 416-31)	1
5	416-47-37		Hub—Clutch casting manganese bronze (Miami) pattern No. 52-9	1
6	416-47-25		Pin—Detent Cad. bronze 1/16 dia x 1 7/16 in.	1
7	416-49-122		Spring—Detent pin wire bronze 18 gage x 2 in.	1
8	416-47-23		Guide—Detent pin bronze ¾ in. standard	1
9	416-47-24		Cap—Detent pin cad bronze 5/8 dia x 1/16 in.	1
1		(a)	Indicator Assy—Rudder angle (dwg 416-31)	1
1		(a)	Plate Assy—Rudder angle indicator escutcheon	1
10	416-47-27		Plate—Rudder angle indicator escutcheon 14 gage x 5¼ x 10 in.	1
11	416-47-31		Rack—Rudder angle indicator 1/16 x 5/8 x 12 in.	1
12	416-47-26		Pointer—Rudder angle indicator 14 gage x 2 x 2¼ in.	1
13			Screw—RH wood brass No. 5 x ½ in.	6
14			Screw—RH machine bronze 6-32 x ⅜ in.	3
15			Bolt—Carriage bronze 5/16 x 1½ in.	4
16			Nut—Hex bronze 5/16 in.-18NC	4
1		(a)	Bearing Assy—Rudder angle indicator (dwg 416-31)	1
17	416-47-34		Bearing—Rudder angle indicator manganese bronze pattern (Miami) No. 52-6	1
18	416-47-28		Gear—Rudder angle indicator 1 in. dia x 5/16 in. 14 tooth	1
19	416-47-30		Shaft—Rudder angle indicator cad bronze ⅜ dia x 2½ in.	1
20	416-47-32		Gear—Rudder angle indicator 64 tooth (Miami) pattern No. 52-13	1
21			Screw—Allen hd set bronze ¼-20NC x ¼ in.	2
22	416-47-5		Collar—Wheel shaft cad bronze 1 7/16 dia x 5/16 in.	1
23			Screw—Allen hd set bronze 5/16-18NC x ⅜ in.	1
24	416-47-29		Gear—Rudder angle indicator 28 tooth 1 7/16 dia x 5/8 in.	1
25			Screw—Allen hd set steel ¼-20NC x ¼ in.	1
1		(a)	Sprocket Assy (dwg 416-31)	1
26			Sprocket—Bronze 35 tooth 1 1/16 in. bore (Link-Belt)	1
27			Screw—Allen hd set bronze 5/16-18NC x ⅜ in.	1
28			Chain—Sprocket bronze 5/8 x 16 ft 4¼ in. (Link-Belt)	1
1		(a)	Shaft Assy—Steering (dwg 416-31)	1
29	416-47-2		Shaft—Steering cad bronze 1 1/16 dia x 18 7/16 in.	1
30	416-49-125		Key—Bronze ¼ x ¼ x ¼ in.	2
31	416-47-33		Bearing—Wheel shaft manganese bronze (Miami) pattern No. 52-4A	1
32	AN286-1		Fitting—Grease 1/8 in. IPS	1
33			Bolt—Carriage bronze 5/16 x 2½ in.	2
34			Screw—RH wood bronze No. 14 x 2 in.	2
35			Nut—Hex bronze 5/16 in.-18NC	2
36			Nut—Acorn bronze ¾ in.-10NC tapped for ¼ in.-20 setscrew	1
37			Screw—Allen hd set bronze ¼-20NC x ¼ in.	1

(a) *Non-procurable.*

STEERING SYSTEM

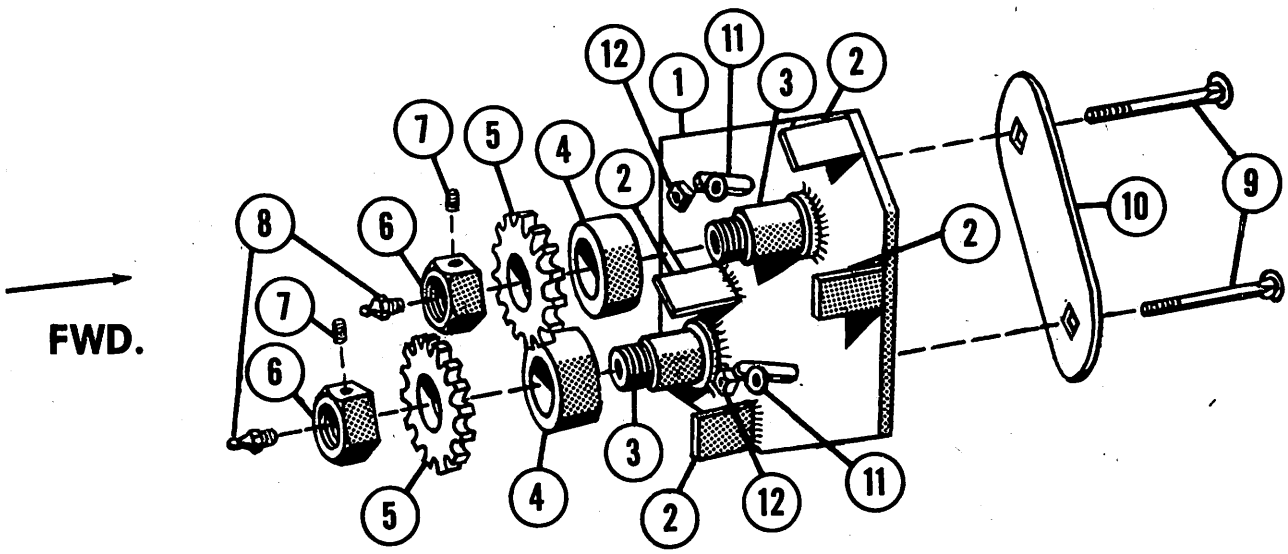


Figure 2—Steering Wheel Idler Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		STEERING WHEEL IDLER ASSEMBLY	
2	416-3-E	Idler Assy—Steering wheel	1
2- 1	416-47-20	Plate—Idler sprocket mounting steel ⅛ x 6⅛ x 7 in.	1
2	416-47-21	Strip—Steel ⅛ x 1 x 1⅝ in.	4
3	416-47-22	Stud—Sprocket cold rolled 1⅛ dia x 2⅛ in.	2
4	416-49-124	Bushing—Bronze 1 OD x ⅞ ID x 1 in.	2
5	RC50	Sprocket—Steel 14 tooth 1 in. bore (Link-Belt)	2
6		Nut—Hex steel ¾-10NC tapped for ¼ in.-20 setscrew	2
7		Screw—Allen hd set steel ¼-20NC x ¼ in.	2
8	AN286-1	Fitting—Grease steel ⅛ in. IPS	2
9		Bolt—Carriage steel galv ⅜ x 3½ in.	2
10	416-49-71	Plate—Steel ⅛ x 2 x 5 in.	1
11		Washer—Flat steel galv ⅜ in. ID	2
12		Nut—Hex steel galv ⅜ in.-16NC	2
		INTERMEDIATE BEARING ASSEMBLY	
3	416-31-I	Bearing Assy—Intermediate	1
3	(a)	Housing Assy—Intermediate shaft bearing aft	1
3- 1	416-47-6	Pipe—Heavy steel 2½ IPS x 2⅛ in.	1
2	416-47-7	Plate—Steel ⅛ x 5¼ x 6 in.	1
3	AN286-1	Fitting—Grease steel ⅛ in. IPS	1
4	416-47-51	Seal—Grease felt ¼ x 2½ in. dia	1
5	416-48-49	Ring—Grease retainer steel 28 gage 1⅛ OD x 2³¹⁄₆₄ in. ID	1
6	416-48-46	Ring—Snap bearing steel wire 2⅛ in. dia 12 gage	1
7	1206K	Bearing—Steel (SKF)	1
8	SNW06	Adapter—Steel ¹⁵⁄₁₆ in. (SKF)	1
9	416-48-50	Ring—Grease retainer steel 28 gage x 2³¹⁄₆₄ OD x 1⅛ in. ID (LM)	2
10	416-48-51	Seal—Grease felt ¼ x 2½ in. dia	1
11	416-48-45	Ring—Snap bearing steel wire 2¹¹⁄₁₆ in. dia 12 gage	1
12	RC50	Sprocket—Steel 16 tooth ¹⁵⁄₁₆ in. bore (Link-Belt)	1
13		Screw—Allen hd set bronze ¹⁵⁄₁₆-18NC x ⅜ in.	1
	(a)	Housing Assy—Intermediate shaft bearing forward	1
14	416-47-6	Pipe—Heavy steel 2½ IPS x 2⅛ in.	1
15	416-47-7	Plate—Steel ⅛ x 5¼ x 6 in.	1
16	AN286-1	Fitting—Grease steel ⅛ in. IPS	1
17	416-48-51	Seal—Grease felt ¼ x 2½ in. dia	1
18	416-48-49	Ring—Grease retainer steel 28 gage x 1⅛ OD x 2³¹⁄₆₄ in. ID	1
19	416-48-46	Ring—Snap bearing steel wire 2⅛ in. dia 12 gage	1
20	1206K	Bearing—Steel (SKF)	1
21	SNW06	Adapter—Steel ¹⁵⁄₁₆ in. (SKF)	1
22	416-48-50	Ring—Grease retainer steel 28 gage x 2³¹⁄₆₄ OD x 1⅛ in. ID	2
23	416-48-51	Seal—Grease felt ¼ x 2½ in. dia	1
24	416-48-45	Ring—Snap bearing steel wire 2¹¹⁄₁₆ in. dia 12 gage	1
25	RC50	Sprocket—Steel 24 tooth ¹⁵⁄₁₆ in. bore (Link-Belt)	1
26		Screw—Allen hd set bronze ¹⁵⁄₁₆-18NC x ⅜ in.	1

(a) *Non-procurable.*

STEERING SYSTEM

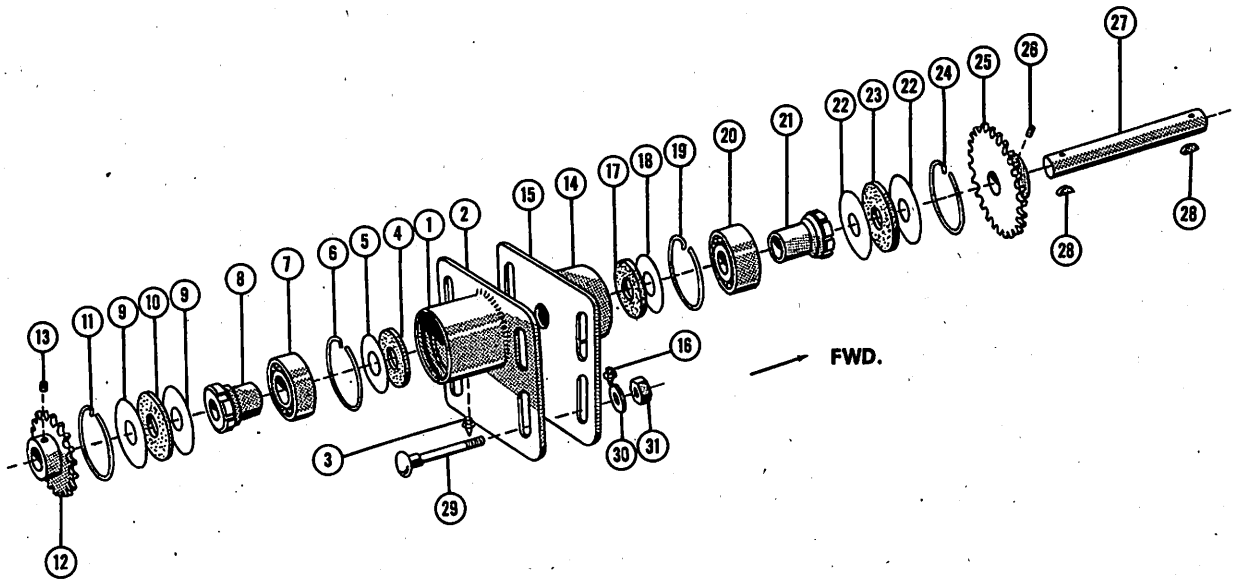


Figure 3—Intermediate Bearing Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		INTERMEDIATE BEARING ASSEMBLY (CONT'D)	
27	416-47-3	Shaft—Intermediate 1 5/16 dia x 10 3/8 in. cold rolled steel	1
28	807	Key—Woodruff steel 1/4 x 7/8 in.	2
29		Bolt—Carriage steel galv 3/8-16 x 3 in.	4
30		Washer—Flat steel galv 3/8 in.	4
31		Nut—Hex steel galv 3/8 in.-16NC	4
		STUB SHAFT BEARING ASSEMBLY	
4	416-31-H	Bearing Assy—Stub shaft	1
4		(a) Housing Assy—Stub shaft bearing	1
4- 1	416-47-18	Plate—Steel 1/8 x 3 5/8 x 8 in.	1
2	416-47-19	Tubing—Seamless steel 3/4 OD x 5 11/16 in. .281 wall	1
3	416-47-17	Plate—Steel 1/8 x 4 x 8 in.	1
4	AN286-1	Fitting—Grease steel 1/8 in. IPS	1
5	416-47-4	Shaft—Stub cold rolled steel 1 1/16 dia x 9 1/4 in.	1
6	807	Key—Woodruff steel 1/4 x 7/8 in.	1
7	416-48-47	Ring—Snap bearing 3 1/4 in. dia wire 12 gage	1
8	416-48-48	Ring—Grease retainer 28 gage steel 1 11/16 ID x 2 15/16 in. OD	2
9	416-48-52	Seal—Grease felt 1/4 x 2 3/8 in. dia	1
10	SNW07	Adapter—Steel 1 3/16 in. (SKF)	1
11	1207K	Bearing—Steel (SKF)	2
12	SNW07	Adapter—Steel 1 3/16 in. (SKF)	1
13	416-48-48	Ring—Grease retainer 28 gage steel 1 11/16 ID x 2 15/16 in. OD	2
14	416-48-52	Seal—Grease felt 1/4 x 2 3/8 in. dia	1
15	416-48-47	Ring—Snap bearing 3 1/4 dia wire 12 gage	1
16	RC50	Sprocket—Steel 18 tooth 1 3/16 in. bore (Link-Belt)	1
17		Screw—Allen hd set bronze 1 5/16-18NC x 3/8 in.	1
18	RC50	Chain—Steel 5/8 x 9 ft 3 1/4 in. (Link-Belt)	1
19		Bolt—Carriage steel galv 3/8-16 x 3 in.	4
20		Washer—Flat steel galv 3/8 in.	4
21		Nut—Hex steel galv 3/8 in.-16NC	4

(a) *Non-procurable.*

STEERING SYSTEM

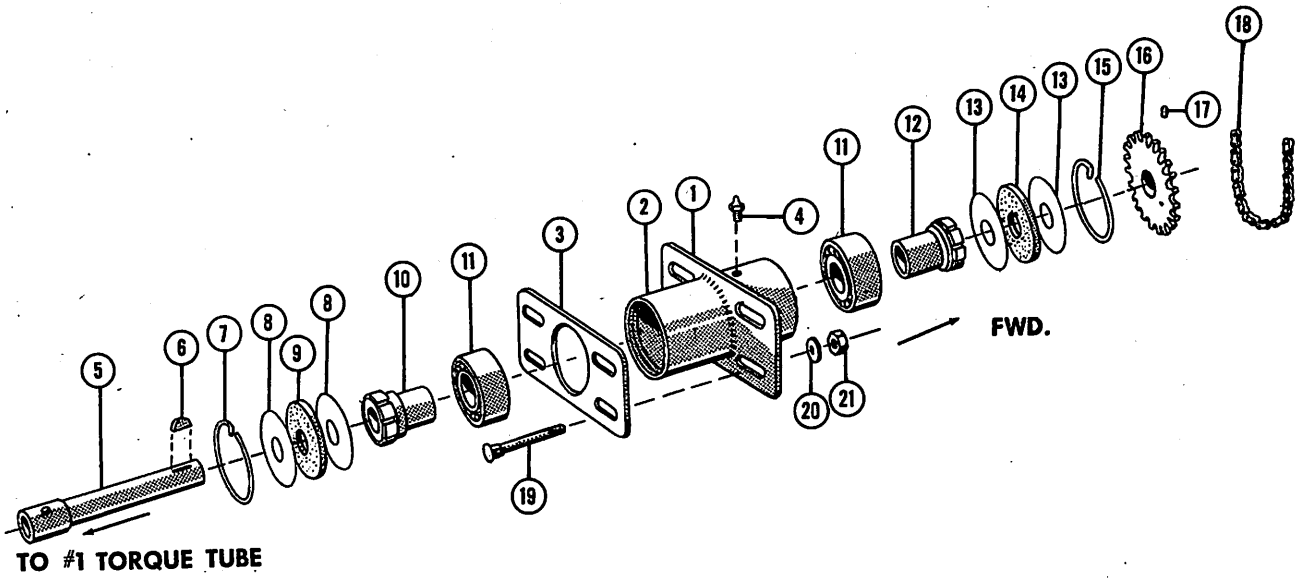


Figure 4—Stub Shaft Bearing Assembly

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			MAIN TORQUE TUBE ASSEMBLY	
5			Tube Assy—Main torque (dwg 416-31)	1
5	416-31-P		Nut Assy—Worm	1
5- 1	416-48-61		Nut—Worm manganese bronze	2
2			Screw—Cap hex hd steel 5/8-18NF x 2 in.	2
3			Screw—Allen hd set bronze 15/16-18NC x 3/8 in.	1
4	AN286-1		Fitting—Grease steel 1/8 in. IPS	1
5	416-31-O		Shaft—Worm cold rolled steel 1 1/4 dia x 36 3/8 in.	1
5	416-31-W		Joint Assy—Universal	1
6	No Number		Joint—Universal type C-645 mild steel 1 dia x 3 3/8 in. (Curtis)	1
5		(a)	Boot Assy—Grease retainer (LM)	1
7			Canvas—Duck cotton 8 oz x 16 3/8 in.	8
8			Fastener—Snap brass Kohinoor male and female	AR
9			Marline—Medium	2
10			Screw—Cap hex hd steel 3/8-24NF x 1 3/4 in.	2
11	AN960-616		Washer—Flat	2
12			Nut—Castle steel 3/8 in.-24NF	2
13			Pin—Cotter steel 1/32 x 3/4 in.	1
14	416-49-88		Coupling—Shaft seamless tubing steel 1 15/16 OD x 2 3/8 in. .056 wall (LM)	1
15	416-49-92		Shaft—Aft bearing stub steel 1 1/4 dia x 5 23/32 in. (LM)	1
16			Screw—Cap hex hd steel 3/8-24NF x 1 3/4 in.	1
17	AN960-616		Washer—Flat	1
18			Nut—Castle steel 3/8 in.-24NF	1
19			Pin—Cotter steel 1/32 x 3/4 in.	1
5	416-31-J	(a)	Bearing Assy—Aft shaft thrust	1
20	416-48-60		Housing—Bearing iron pattern No. 52-3	1
21			Gasket—Vellumoid 3 3/8 x 3 3/8 in.	1
22	416-49-85		Seal—Bearing housing felt 1/16 x 1 3/4 in. dia	1
23	N06		Nut—Lock steel (SKF)	1
24	W06		Washer—Lock steel (SKF)	1
25	2306		Bearing—Steel (SKF)	1
26	416-48-53		Washer—Thrust bearing 1/2 OD x 1/16 in.	1
27	416-49-86		Seal—Felt 1/16 x 2 in. dia	1
28	416-48-59		Cover—Bearing housing iron	1
29	AN286-1		Fitting—Grease steel 1/8 in. IPS	4
30			Screw—Cap hex hd steel 5/8 in.-16NC x 1 1/2 in.	4
31	AN960-616		Washer—Lock	4
32			Bolt—Carriage steel galv 1/2-13 x 3 1/2 in.	4
33	416-48-44		Washer—Bearing backing steel 1/8 x 2 x 2 in	4
34			Nut—Hex steel galv 1/2 in.-13NC	1
35	416-49-88		Coupling—Shaft seamless tubing steel 1 15/16 OD x 2 3/8 in. .056 wall	1
36			Screw—Cap hex hd steel 3/8-24NF x 1 3/4 in.	1
37	AN960-616		Washer—Flat	1
38			Nut—Castle steel 3/8 in.-24NF	1
39			Pin—Cotter steel 1/32 x 3/4 in.	4
5		‡	Joint Assy—Universal	1
40	No Number		Joint—Universal type C-645 mild steel 1 dia x 3 3/8 in. (Curtis)	1
5		(a)	Boot Assy—Grease retainer (LM)	1
41			Canvas—Duck cotton 8 oz x 16 3/8 in.	

(a) *Non-procurable.*
‡ *Three of these assemblies are not shown but the parts are identical with those illustrated.*

STEERING SYSTEM

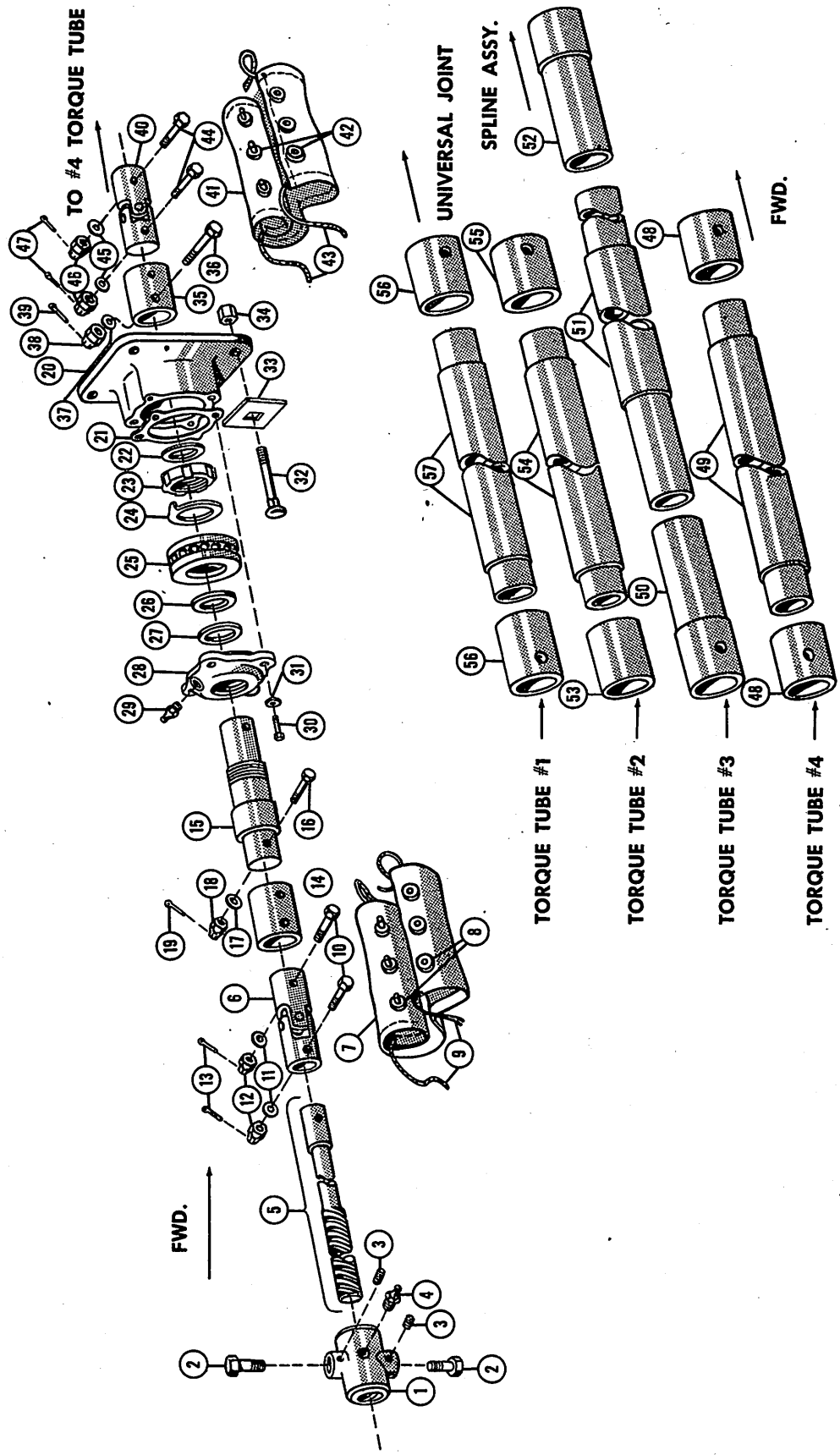


Figure 5—Main Torque Tube Assembly

STEERING SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		MAIN TORQUE TUBE ASSEMBLY (CONT'D)	
42		Fastener—Snap brass Kohinoor male and female	3
43		Marline—Medium	AR
44		Screw—Cap hex hd steel 5/16-24NF x 1 3/4 in.	2
45	AN960-616	Washer—Flat	2
46		Nut—Castle steel 5/16 in.-24NF	2
47		Pin—Cotter steel 1/8 x 3/4 in.	2
5	416-31-N	Tube Assy—Torque No. 4	1
48	416-47-8	Tubing—Seamless steel 1 5/16 OD x 2 in. .156 wall	2
49	416-47-15	Pipe—Steel galv 3/4 IPS x 5 ft 5 1/8 in.	1
5	416-31-M	Tube Assy—Torque No. 3	1
50	416-47-12	Tubing—Seamless steel 1 5/16 OD x 9 5/8 in. .156 wall	1
51	416-47-14	Pipe—Steel galv 3/4 IPS x 9 ft 2 1/16 in.	1
52		Tubing—Seamless steel 1 5/16 OD x 9 in. .156 wall	1
5	416-31-L	Tube Assy—Torque No. 2	1
53	416-47-8-8	Tubing—Seamless steel 1 5/16 OD x 2 in. .156 wall (not drilled)	1
54	416-47-10	Pipe—Steel galv 3/4 in. IPS x 9 ft 1 3/4 in. (LM)	1
55	416-47-11	Tubing—Seamless steel 1 5/16 OD x 11 3/4 in. .156 wall	1
5	416-31-K	Tube Assy—Torque No. 1	2
56	416-47-8	Tubing—Seamless steel 1 5/16 OD x 2 in. .156 wall	1
57	416-47-9	Pipe—Steel galv 3/4 in. IPS x 9 ft 4 1/2 in.	1
		SPLINE AND TORQUE TUBE BEARING ASSEMBLY	
6		Spline and Torque Tube Bearing Assy (dwg 416-31)	1
6	(a)	Spline Assy	1
6- 1	416-48-54	Spline—Steel 1 in. dia x 4 1/16 in.	2
2	No Number	Key—Bronze 1/4 x 1/4 x 4 in. (dwg 416-49-125)	1
3	416-48-55	Sleeve—Spline steel 1 5/8 dia x 4 in.	1
4	AN286-1	Fitting—Grease steel 1/8 in. IPS	1
5	416-48-56	Pin—Spline steel 1 dia x 2 1/2 in.	1
6		Screw—Hex hd cap steel 3/8-24NF x 2 in.	1
7	AN960-616	Washer—Flat	1
8		Nut—Castle steel 3/8 in.-24NF	1
9		Pin—Cotter steel 1/8 x 3/4 in.	3
6	316-31-6	Bearing Assy—Torque tube	NP
6		Housing Assy—Torque tube bearing	1
10	416-48-58	Housing—Bearing steel tubing 3/4 OD x 2 11/16 in. .280 wall	2
11	416-48-57	Strip—Steel 1/8 x 1 1/4 x 1 1/4 in.	1
12	1207K	Bearing—Steel (SKF)	2
13	416-48-48	Ring—Grease retainer 28 gage steel 1 11/16 ID x 2 15/16 in. OD	1
14	316-47-52	Seal—Grease felt 1/4 x 2 x 7/8 in. dia.	1
15	416-48-47	Ring—Snap bearing 3 5/64 in. dia wire 12 gage	1
16	SNW07	Adapter—Steel 1 3/16 in. (SKF)	1
17	416-48-48	Ring—Grease retainer 28 gage steel 1 11/16 ID x 2 15/16 in. OD	1
18	316-47-52	Seal—Grease felt 1/4 x 2 7/8 in. dia	1
19	416-48-47	Ring—Snap bearing 3 5/64 in. dia wire 12 gage	2
20		Bolt—Carriage steel galv 5/16-18 x 3 1/2 in.	2
21		Nut—Hex steel galv 5/16 in.-18NC	

(a) *Non-procurable.*

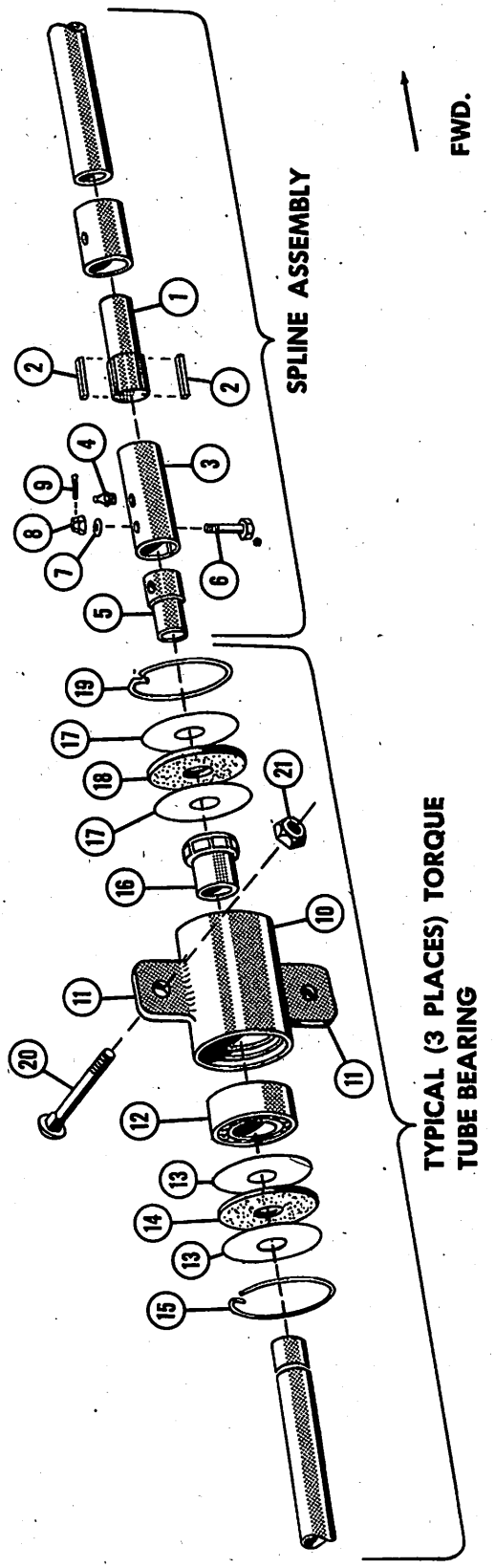


Figure 6—Spline and Torque Tube Bearing Assembly

STEERING SYSTEM

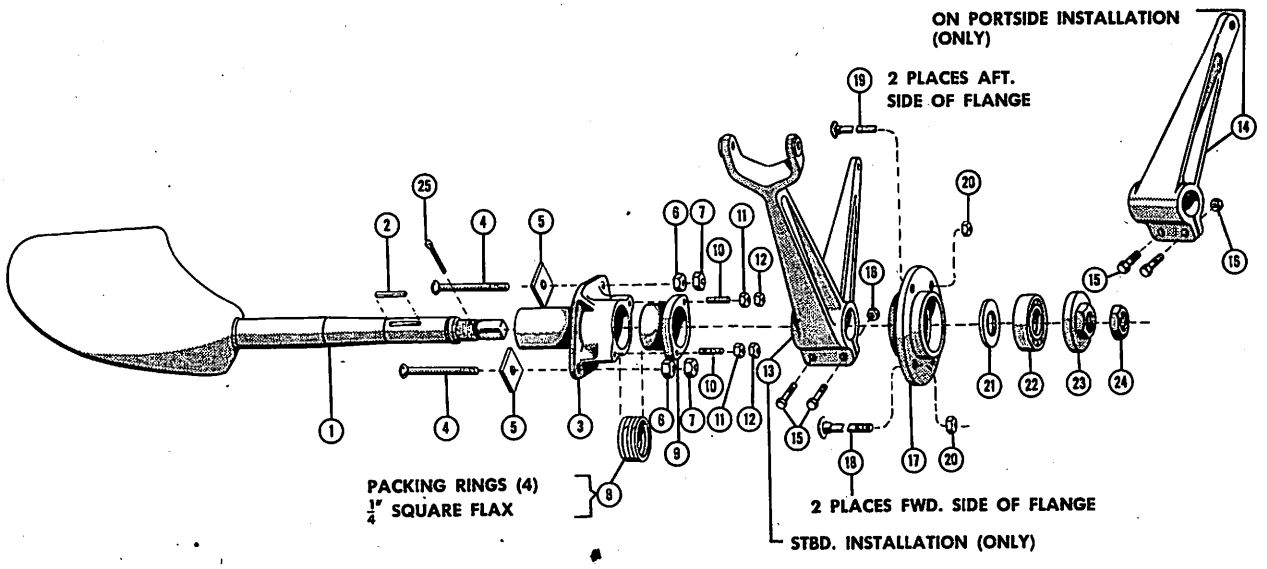


Figure 7—Rudder and Rudder Bearing Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		RUDDER AND RUDDER BEARING ASSEMBLY	
7	(a)	Rudder and Rudder Bearing Assy (dwg 416-31)	2
7- 1	416-49-89	Rudder—Manganese bronze	1
2	416-49-125	Key—Bronze ¼ x ¼ x 4 in.	1
3	416-49-88	Port—Rudder manganese bronze (Miami) pattern No. 16-1 (LM)	1
4		Bolt—Oval hd bronze ½ x 7½ in.	2
5		Washer—Bearing backer bronze 5/16 x 1½ x 1½ in.	2
6		Nut—Hex bronze ½ in.-13 NC	2
7		Nut—Hex bronze ½ in.-13NC	2
8	P590	Ring—Packing square flax ¼ in. (Willis)	4
9	416-49-82	Gland—Rudder port manganese bronze (Miami) pattern No. 16-2 (LM)	1
10	416-49-76	Stud—Bronze ½ x 8 in.	2
11		Nut—Hex bronze ½ in.-13NC	2
12		Nut—Hex bronze ½ in.-13NC	2
13	416-48-62	Crank—Bell manganese bronze (used on starboard side only)	1
14	416-48-63	Tiller—Manganese bronze (used on port side only)	1
15		Screw—Hex hd machine bronze ⅜-16NC x 1½ in.	2
16		Nut—Hex bronze ⅜ in.-16NC	2
17	416-49-80	Housing—Rudder hanger bearing bronze	1
18		Bolt—Carriage steel galv ½-13 x 3½ in. (fwd holes)	2
19		Bolt—Carriage bronze ½-13 x 3 in. (aft holes)	2
20		Nut—Hex bronze ½ in.-13NC	2
21	243120	Retainer—Grease leather 1⅝ dia x 15/16 in. (Chicago Rawhide)	1
22	6208	Bearing—Steel (SKF)	1
23	416-49-79	Nut—Rudder stop bronze	1
24	416-49-81	Nut—Lock rudder stop bronze	1
25		Pin—Cotter bronze ⅛ x 1½ in.	1

(a) *Non-procurable.*

STEERING SYSTEM

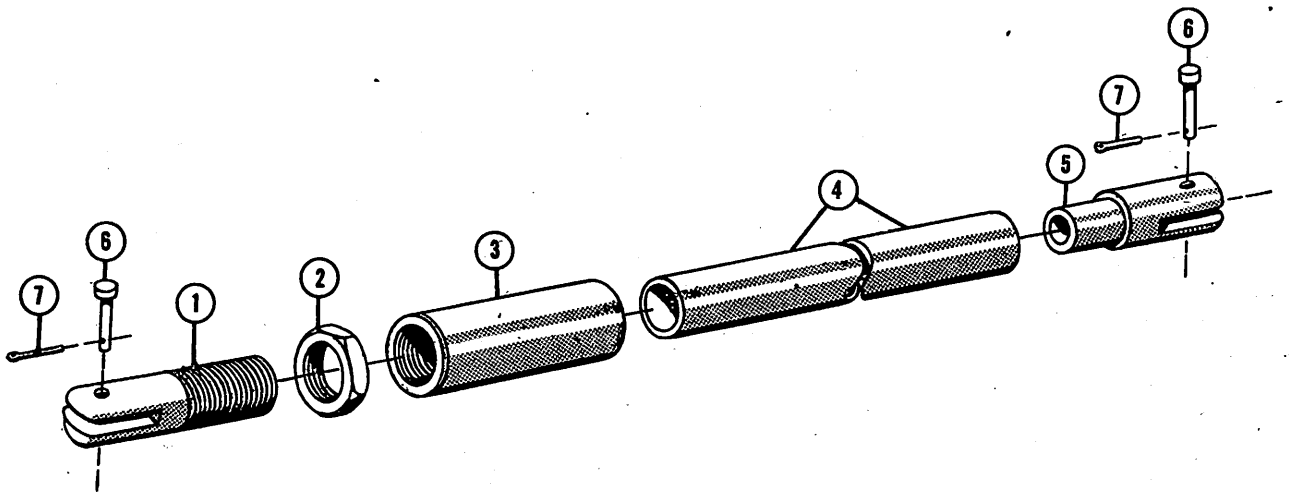


Figure 8—Link Rod Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		LINK ROD ASSEMBLY	
8	416-31-R	Link Rod Assy	1
8- 1	416-49-78	Clevis—Adjusting link rod steel 1½ in OD x 7⅛ in. .500 wall	1
2	416-49-74	Nut—Link rod hex steel 2 x ½ in.	1
3	416-49-77	Sleeve—Adjusting steel 1⅞ OD x 6 in. .281 wall	1
4	416-49-123	Rod—Link steel 1⅝ OD x 96 in. .120 wall	1
5	416-49-73	Clevis—Link rod steel 1½ OD x ⅝ in. .500 wall	1
6	416-49-75	Pin—Clevis link rod bronze ½ dia x 2¼ in.	2
7		Pin—Cotter bronze ⅛ x 1½ in.	2

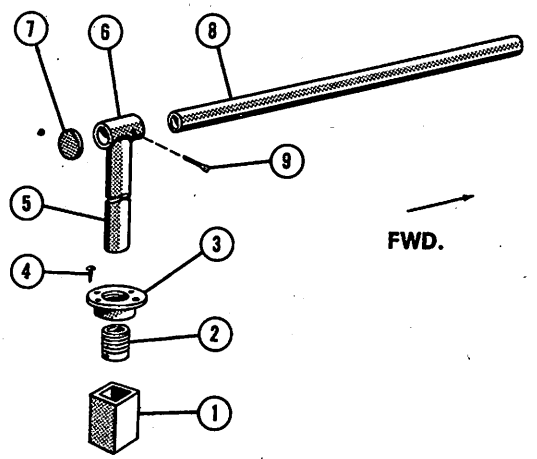


Figure 9—Tiller Emergency Arm Assembly

		TILLER EMERGENCY ARM ASSEMBLY	
9	416-31-Z	Arm Assy—Tiller emergency	1
9- 1	416-49-70	Extension—Rudder port steel ⅛ x 1¼ x 1¼ in.	1
2	416-49-72	Bushing—Deck plate steel galv 2 IPS x 1⅛ in.	1
3	P985	Plate—Deck bronze 2 in. IPS (Willis)	1
4		Screw—FH wood steel galv No. 8 x ¾ in.	4
5	416-49-68	Extension—Rudder port steel galv 1½ IPS x 52 in. (LM)	1
6	416-49-67	Extension—Rudder port steel galv 2 IPS x 8 in. (LM)	1
7	416-49-69	Cap—Extension rudder port steel ⅛ x 1 15/16 in. (LM)	1
8		Arm—Tiller emergency steel galv pipe 1½ IPS x 60 in. (LM)	1
9		Pin—Cotter steel 7/32 x 3 in.	1

CLUTCH CONTROL SYSTEM

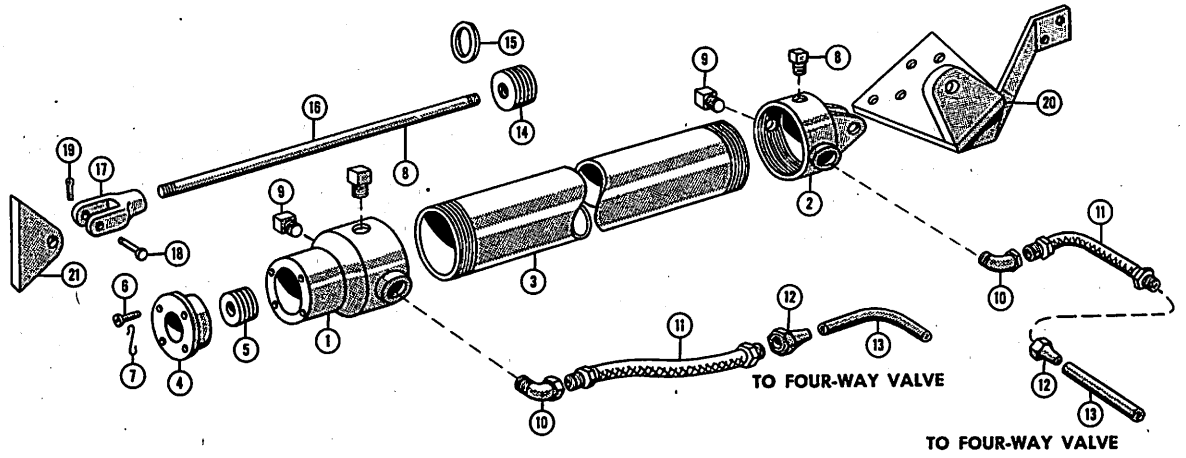


Figure 10—Hydraulic Cylinder Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		HYDRAULIC CYLINDER ASSEMBLY	
		Clutch Control System—Model 61 power hydraulic (Col Br)	2
10		♯ Cylinder Assy—Hydraulic (Col Br dwg H-166)	1
10- 1	P1	Cap—Cylinder forward bronze (Col Br)	1
2	P2	Cap—Cylinder rear bronze (Col Br)	1
3	P3	Barrel—Cylinder steel (Col Br)	1
10		Gland Assy	1
4	P7	Gland—Bronze	1
5	P10	Ring—Packing leather (Col Br)	2
	P10A	Ring—Packing neoprene (Col Br)	2
6	P8	Screw—Gland bronze (Col Br)	3
7	Comm	Wire—Locking copper	AR
8	P15	Plug—Pipe bronze ⅛ in. (Col Br)	2
9	P16	Plug—Pipe bronze ⅜ in. (Col Br)	1
10		Line Assy—Hydraulic	2
10	379-71-16	Elbow—90° street brass ⅜ in. IPS	1
11	P17	Hose—Flexible comp	1
12		Nut—Flare brass ½ in. (Col Br)	1
13	Comm	Tubing—Copper soft ½ OD x .035 in.	AR
10		Piston Assy	1
14	P5	Piston—Bronze (Col Br)	1
15	AN6227-29	Ring—Piston neoprene (Col Br P-6)	2
16	P4	Rod—Piston monel (Col Br)	1
17	P11	Clevis—Bronze (Col Br)	1
18	P12	Pin—Clevis bronze (Col Br)	1
19	P13	Pin—Cotter bronze (Col Br)	1
	P14	Pin—Clevis mounting bronze (Col Br)	1
20	No Number	Bracket—Cylinder mounting steel (dwg 379-71-8)	1
21	No Number	Lug—Lever reverse gear steel (dwg 379-71-10)	1

♯ *Columbian Bronze drawing numbers are given for reference only.*

CLUTCH CONTROL SYSTEM

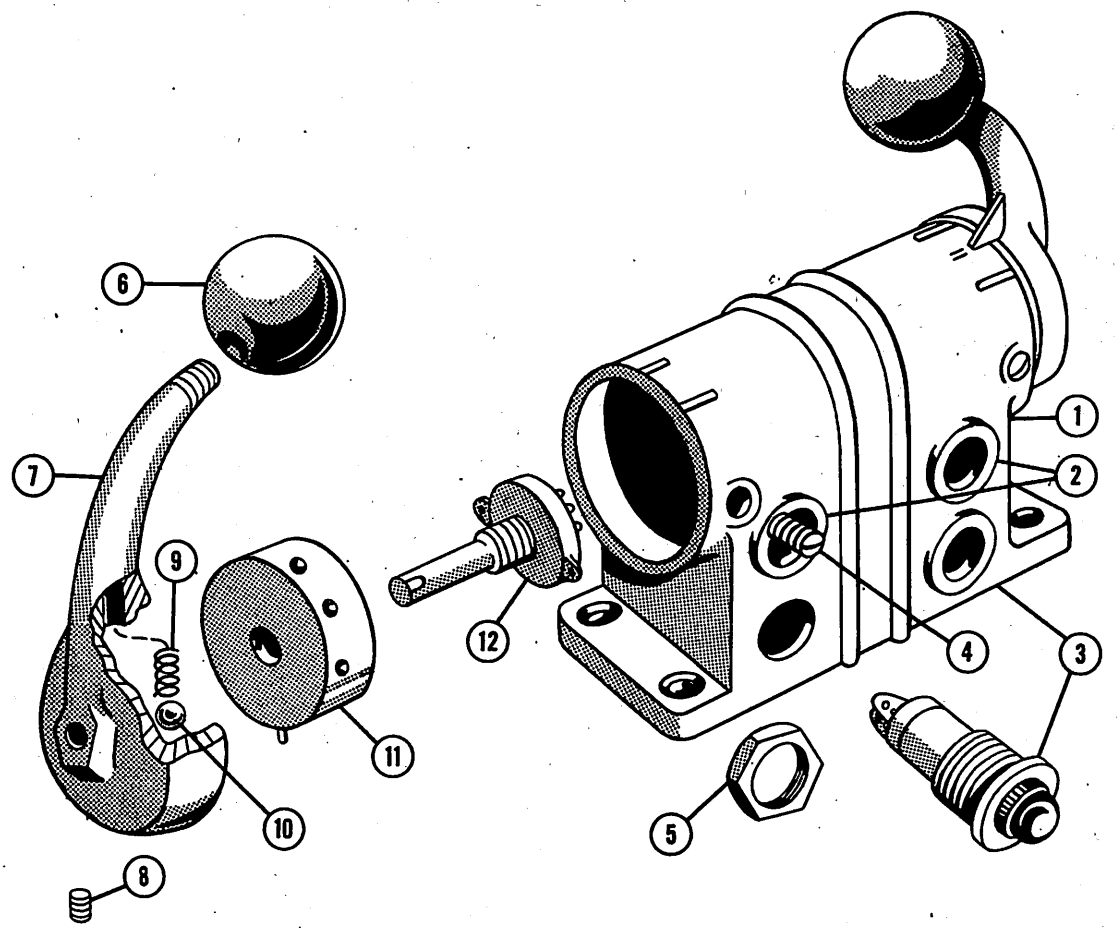


Figure 11—Pedestal Assembly

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			EH-16 PEDESTAL ASSEMBLY	
11	No Number	♯	Pedestal Assy—EH-16 (Col Br dwg H-119)	2
11- 1	P41A		Body—Pedestal (Col Br)	1
2	P42B		Light—Indicator green (Col Br)	1
3	P41B		Light—Indicator red (Col Br)	1
	P43B		Bulb	2
4	H119-5-5		Screw—Lock bushing brass (Col Br)	2
5	No Number		Nut—Lock (Col Br)	4
11			Arm Assy—Control	2
6	P43A		Knob—Control hard rubber (Col Br)	2
7	P42A		Arm—Control alum. (Col Br)	2
8	P46A		Screw—Set handle hollow stud (Col Br)	2
9	P48A		Spring—Indexing steel (Col Br)	2
10	P49A		Ball—Indexing steel (Col Br)	2
11	H119-5-4		Bushing—Aluminum (Col Br)	2
12	P47A		Switch—Rotary (Col Br)	2
	P46B		Jumper (Col Br)	3
	P50A		Cable—4-wire (Col Br)	2

♯ *Columbian Bronze drawing numbers are given for reference only.*

CLUTCH CONTROL SYSTEM

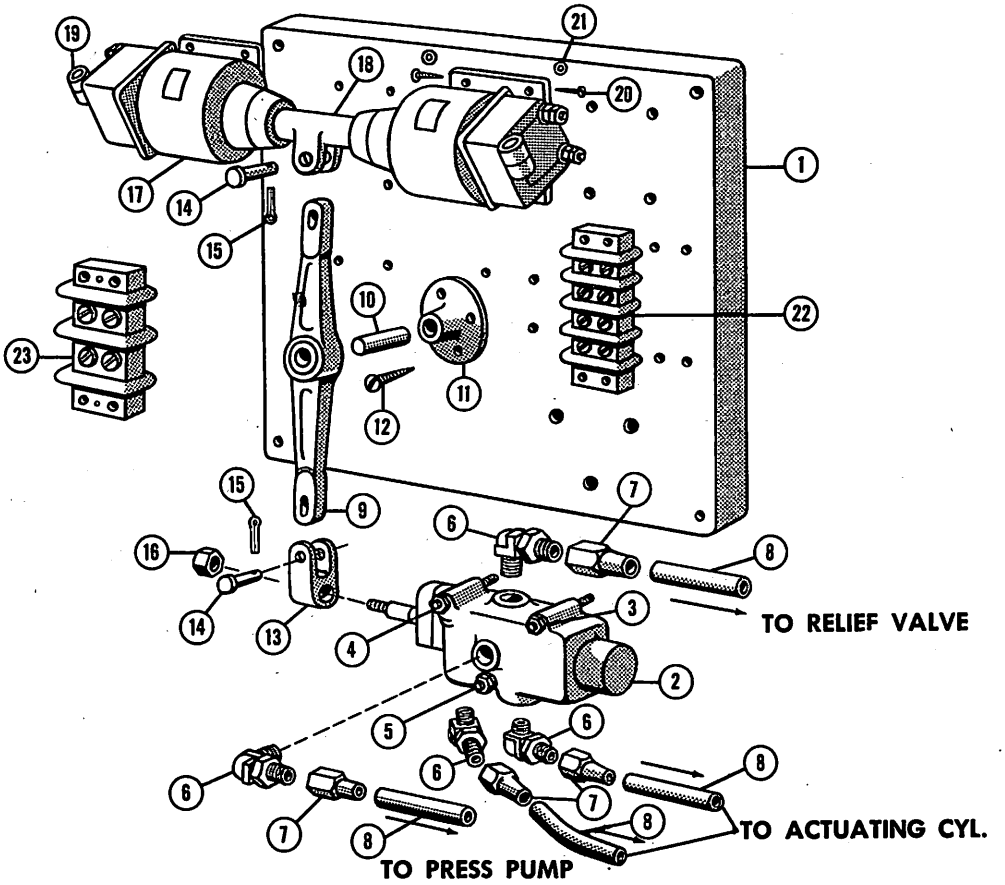


Figure 12—Valve, Transfer Lever, and Solenoid Assembly, 4-Way

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			VALVE, TRANSFER LEVER, AND SOLENOID ASSEMBLY	
12		#	Valve, Transfer Lever, and Solenoid Assy—4-way (Col Br dwg H-118)	1
12- 1	P55		Base—Valve, lever, and solenoid mounting	1
2	P67		Valve—4-way (Col Br)	1
3	P62		Spacer—Mounting valve (Col Br)	3
4	P63		Stud—Mounting valve (Col Br)	3
5	P64		Nut—Mounting valve (Col Br)	3
	P66A		Washer—Lock 3/8 in.	3
6	No Number		Elbow—Union half brass 1/2 flare x 3/8 in. IPS (Col Br)	4
7			Nut—Flare brass 1/2 x 1/2 flare x 3/8 in. IPS	4
8	Comm		Tubing—Copper soft 1/2 OD x .035 in. wall (Spec. No. WW-T-799)	AR
12			Lever Assy—Transfer	1
9	P56		Lever—Transfer brass (Col Br)	1
10	No Number		Pin—Mounting lever (Col Br)	1
11	P57		Bracket—Mounting lever (Col Br)	1
12	P58		Screw—Mounting lever bracket (Col Br)	3
13	P59		Clevis—Valve stem (Col Br)	1
14	P61		Pin—Clevis (Col Br)	2
15	P68		Pin—Cotter (Col Br)	2
16	No Number		Nut—Hex (Col Br)	1
12			Solenoid Assy	2
17	P69		Solenoid (Col Br)	1
18	P60		Clevis—Solenoid (Col Br)	1
19	P66		Condenser (Col Br)	2
20	P65		Screw—Mounting solenoid (Col Br)	8
21	P65A		Washer—Lock 1/4 in. (Col Br)	8
22	P71J		Strip—Terminal large (Col Br)	1
	P71		Lugs—Terminal (Col Br)	10
	No Number		Screw—Mounting terminal strip (Col Br)	4
12-23	P71K		Strip—Terminal small (Col Br)	1
	P71A		Lugs—Terminal (Col Br)	10
	P71L		Screw—Mounting terminal strip (Col Br)	4
	P171B		Lead—Ground solenoid (Col Br)	1
	P71C		Lead—Battery solenoid (Col Br)	1

 # Columbian Bronze drawing numbers are given for reference only.

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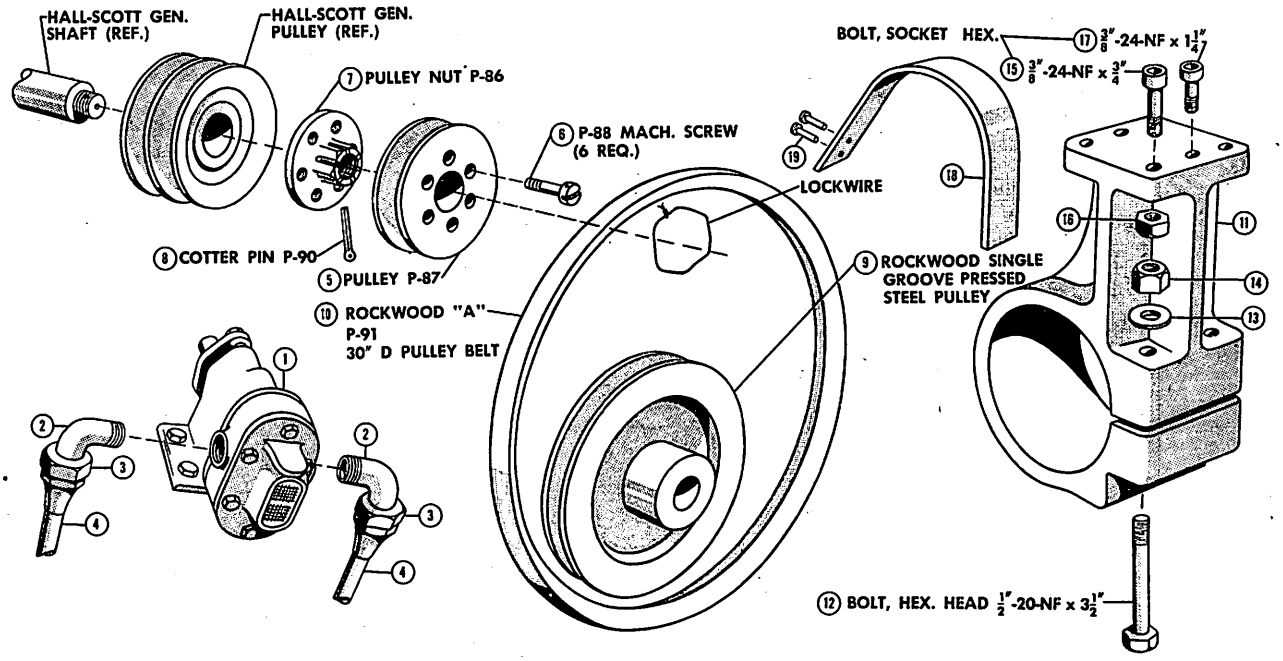


Figure 13—Oil Pressure Pump, Hydraulic Pump Drive and Mounting Bracket Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			OIL PRESSURE PUMP, HYDRAULIC PUMP DRIVE, AND MOUNTING BRACKET ASSEMBLY	
13- 1	P72		Pump Assy—Oil pressure (Col Br)	1
	P75		Spline—Pump (Col Br)	1
	P76		Key—Woodruff 5/8 x 1/8 in.	1
	P77		Screw—Set	1
	No Number		Strainer—Bronze (Perko fig. 299)	1
2	No Number		Elbow—Half union brass 1/2 flare x 3/8 in. IPS (Col Br)	2
3	No Number		Nut—Flare brass 1/2 flare x 1/2 flare x 3/8 in. IPS (Col Br)	2
4	Comm		Tubing—Copper soft 1/2 OD x .035 in. wall (Spec. No. WW-T-799)	AR
13		(a)	Drive Assy—Hydraulic pump	2
5	P87		Pulley—Cast iron (Col Br)	1
6		#	Screw—Pulley machine steel 1/4-20NC-1 in. long drilled head cad. plate (Col Br dwg H-208)	6
7	P86		Nut—Pulley bronze (Col Br)	1
8		#	Pin—Cotter pulley steel 1/8 dia x 1 1/2 in. (Col Br dwg H-208)	1
9		#	Pulley—Rockwood single groove pressed steel 3.5 pitch radius (Col Br dwg H-210)	1
10	P91		Belt—Rockwood pulley rubber type A, 33 in. OD x 1/4 in. (Col Br)	1
13		(a)	Mounting Bracket Assy—Hydraulic pump	2
11		#	Bracket—Pump cast alum. (Col Br dwg H-210)	1
12			Bolt—Hex hd 1/2-20NF x 3 1/2 in.	1
13	AN935-816		Washer—Lock 1/2 in.	1
14			Nut—Hex 1/2 in.-20NF	1
15		#	Bolt—Socket hex 3/8-24NF x 1 1/4 in. (Col Br dwg H-210)	1
16		#	Nut—Hex 3/8-24NF (Col Br dwg H-210)	1
17		#	Bolt—Socket hex 3/8-24NF x 3/4 in. (Col Br dwg H-210)	1
18		#	Guard—Belt (Col Br dwg H-210)	1
19			Screw—Cap steel 1/4-20NC x 1/2 in. long	2

(a) *Non-procurable.*
 # Columbian Bronze drawing numbers are given for reference only.

CLUTCH CONTROL SYSTEM

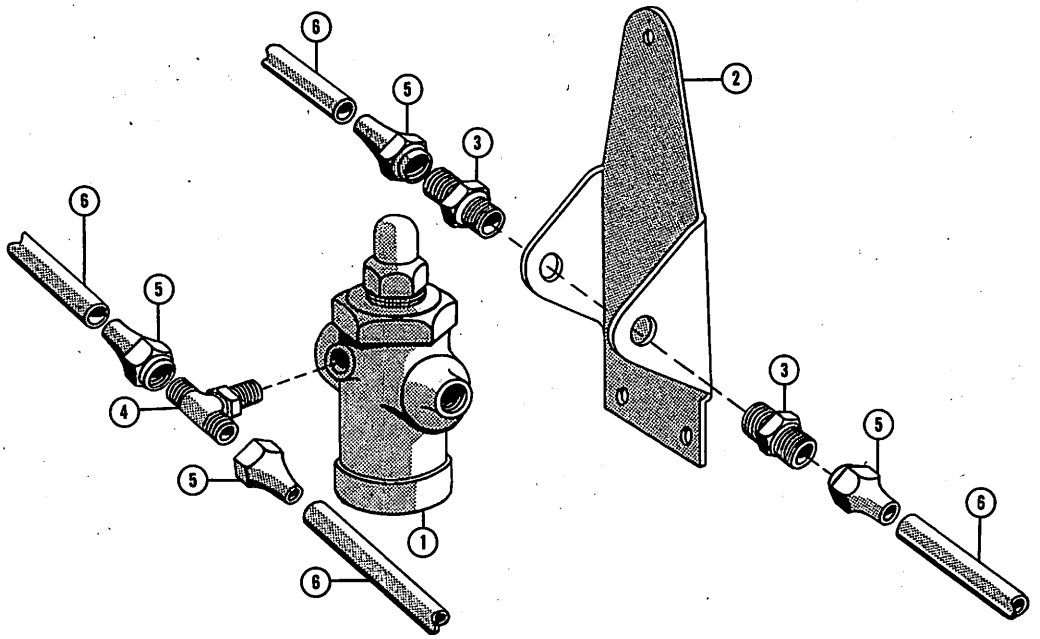


Figure 14—Pressure Relief Valve Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		PRESSURE RELIEF VALVE ASSEMBLY	
14		Valve Assy—Pressure relief	1
14- 1	P81	Valve—Pressure relief (Col Br)	1
2	379-71-9	Bracket—Mounting pressure relief steel	1
3	379-71-11	Coupling—Half union brass ½ flare x ⅜ in. IPS	2
4	379-71-13	Tee—Brass ½ flare x ½ flare x ⅜ in. IPS	1
5	379-71-14	Nut—Flare brass ½ in.	4
6	Comm	Tubing—Copper soft ½ OD x .035 in. wall (Spec. No. WW-T-799)	AR
		CLUTCH CAM BOX ASSEMBLY	
15		# Box Assy—Clutch cam (Col Br dwg H-125)	1
15- 1		Guard—Cam box lever (Col Br dwg H-219)	1
		Housing Assy—Cam	1
2	P22	Plate—Cam box cover alum. (Col Br)	1
3	P21	Housing—Cam box alum. (Col Br)	1
4	P23	Screw—Cover plate (Col Br)	6
5	P24	Strip—Terminal (Col Br)	1
6	P25	Screw—Terminal strip mounting (Col Br)	4
15		Switch Assy—Micro (Col Br)	1
7	P30	Switch—Micro (Col Br)	4
8	P20	Bracket—Micro switch brass (Col Br)	1
9	P27	Pin—Switch locking brass (Col Br)	1
	P26	Pin—Switch rocker brass (Col Br)	1
		Switch—Brass	1
9	P29	Stud—Micro switch holding (Col Br)	1
10	P29	Washer—Flat (Col Br)	1
15		Cam and Lever Assy	1
11	P31	Cam—Bronze (Col Br)	4
12	P32	Screw—Cam lock steel (Col Br)	4
13	P33	Spacer—Cam bronze (Col Br)	8
14	P34	Camshaft—Bronze (Col Br)	1
		Bearing—Bushing brass (Col Br)	4
15	P36	Gasket (Col Br)	2
15	P37	Lever—Control alum. (Col Br)	1
16	P38	Screw—Control lever clamping (Col Br)	1
17	No Number	Joint—Ball (Perko fig. 793)	2
18		Rod—Connecting ¼ dia x 6 in. long	1

 # Columbian Bronze drawing numbers are given for reference only.

CLUTCH CONTROL SYSTEM

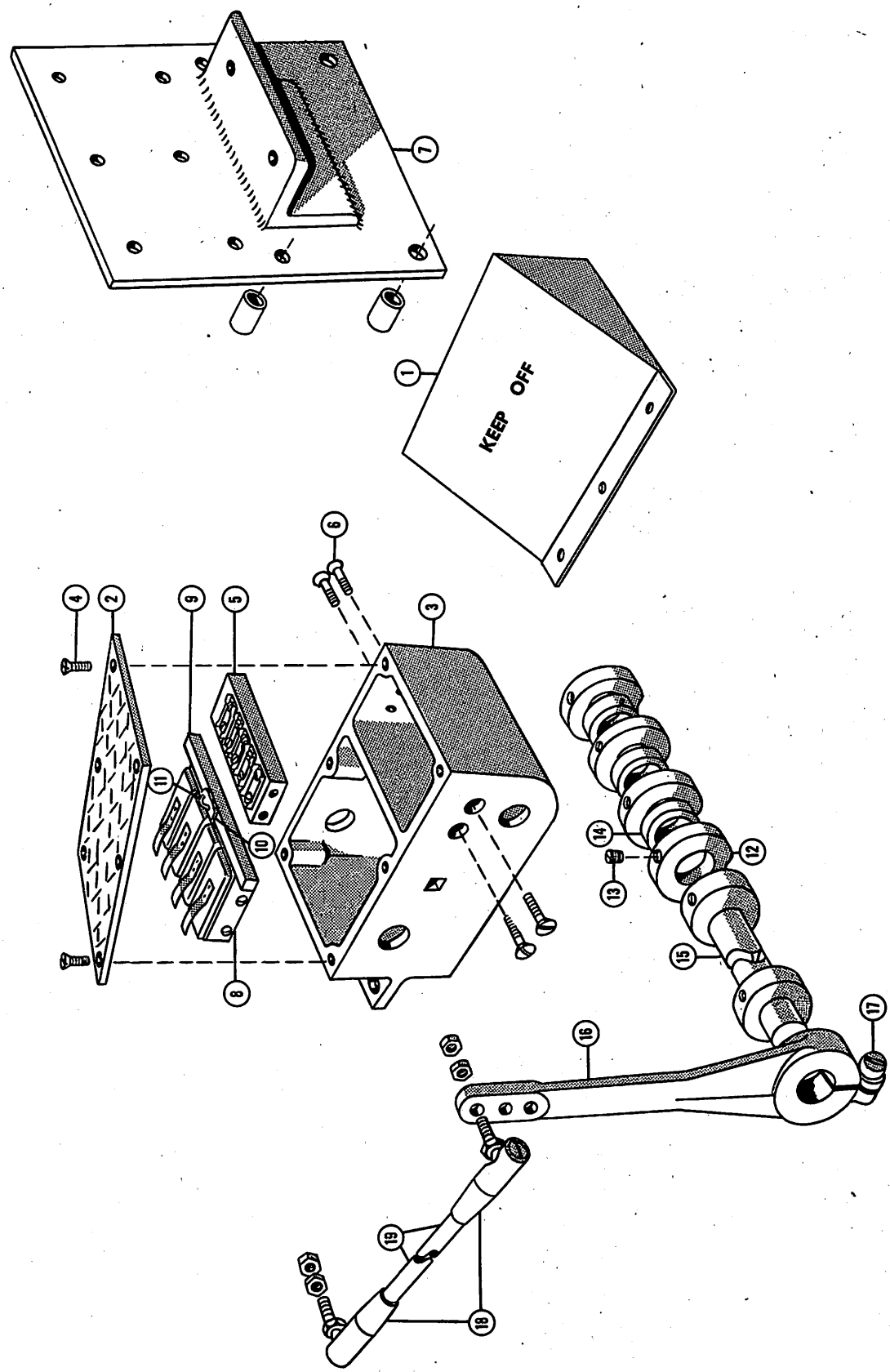


Figure 15—Clutch Cam Box Assembly

THROTTLE CONTROL SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		BRIDGE CONTROL TRANSMITTER AND CONTROL RECEIVER ASSEMBLY	
		Throttle Control System (dwg 416-112)	1
	No Number	Transmitter Assy—Bridge control Exactor with table mount type E1E1 (Sperry)	2
	108501	Ball Assy—Transmitter handle	1
		Screw—Oval hd steel cad. plate .190-32 1/2 in. length	2
	8386	Ball—Transmitter handle (Sperry)	2
	215333	Transmitter Handle and Shaft Assy (Sperry)	1
	Comm	Screw—Fil-hd cover steel cad. plate .216-24 x 1 1/4 in. length	1
	Comm	Washer—Lock cad. plate standard SAE No. 12	1
	8265	Cap—Filling (Sperry)	1
	7160	Gasket—Filling (Sperry)	1
	8263	Handle Slot Gasket Assy (Sperry)	1
	No Number	Screw—Drive type U 5/16 in. No. 6 (Par-Kal)	8
	KS3L	Bearing—Ball transmitter clevis (Fafnir)	1
	FR269	Bearing—Ball transmitter shaft unground cad. plate (Kilian)	1
	8350	Cover—Transmitter shaft ball bearing (Sperry)	1
	108444	Tripper Lever Assy (Sperry)	1
	8255	Clevis Pin Assy—Cotter 1/16 x 1/2 in. length (Sperry)	1
	Comm	Screw—Fil-hd locking steel cad. plate .164-32 x 1/2 in. length	1
	Comm	Washer—Shakeproof type No. 19 cad. plate size No. 8	1
	108443	Valve Opener Rod Assy (Sperry)	1
	22M40	Nut—Elastic stop	1
	6395	Nut—Packing (Sperry)	1
	6394	Retainer—Packing (Sperry)	1
	7181	Packing—Piston flat (Sperry)	1
	109146	Packing—Piston moulded (Sperry)	1
	14907	Spring Assy (Sperry)	1
	7142	Piston Assy (Sperry)	1
	8268	Strainer (Sperry)	1
	6384	Valve Assy (Sperry)	1
	6617	Spring—Valve (Sperry)	1
	108998	Cap—Valve (Sperry)	1
	109004	Washer (Sperry)	1
		Screw—RH wood brass No. 5 x 1 1/2 in.	8
		Screw—RH machine brass No. 10-24NC x 1 in.	8
		Nut—Hex brass No. 10-24NC	8
		Union—Flare brass 3/16 flare x 1/8 in. male IPS	2
		Nut—Flare brass 3/16 in.	4
	Comm	Tubing—Copper 3/16 OD x .035 in. wall (Spec. No. WW-T-799)	AR
		Strap—Tube brass 1/4 in.	30
		Screw—RH wood brass No. 5 x 1/2 in.	60
		Connection—Titeflex hose 3/16 x 6 in. (Titeflex)	1
	E532-57	Coupling—Brass 5/32 x 3/16 in. OD flare (Titeflex)	2
		Nut—Flare brass 3/16 in.	2
	No Number	Control Receiver Assy—Exactor type E1E1	2
		Lever Assy—Receiver	1
	7168-2	Lever—Receiver brass (Sperry)	1
	Comm	Screw—Fil-hd machine steel cad. plate 1/4-28 x 1 1/4 in.	1
	42E0-48	Nut—Elastic stop steel cad. plate X1315	1
		Screw—Fil-hd cover steel cad. plate 1 1/4 in. .216-24	1
	Comm	Washer—Lock cad. plate standard SAE No. 12	1
	KS3L	Bearing—Clevis (Fafnir)	1
	FR269	Bearing—Shaft unground cad. plate (Kilian)	1
	108506	Cover—Shaft bearing (Sperry)	1
	108507	Rocker Arm Assy (Sperry)	1
	8255	Clevis Pin Assy—Cotter pin 1/16 x 1/2 in. length (Sperry)	1
	Comm	Screw—Fil-hd locking steel cad. plate .164-32 1/2 in. length	1
		Washer—Shakeproof type No. 19 size No. 8 steel cad. plate	1
	6395	Nut—Packing (Sperry)	1
	6394	Retainer—Packing (Sperry)	1
	109146	Packing—Piston (Sperry)	1
	14907	Spring Assy (Sperry)	1
	7142	Piston Assy (Sperry)	1
	No Number	Lever Assy—Manual operating (dwg 416-112)	1
	7232	Screw—Lever ball stainless steel No. 8-32 x 3/4 in. (Sperry)	1
	7627	Ball—Lever (Sperry)	1
	416-112-21	Bar—Lever hot rolled steel welded with lever clamp 3/4 x 3/4 x 6 1/4 in.	1
	416-112-22	Clamp—Lever hard rolled steel welded with lever bar 3/4 x 7/8 x 1 1/4 in.	1
		Screw—Fil-hd machine steel 1/4 in.-20 NC standard	1
		Nut—Hex steel 1/4 in.-20NC standard	1
	416-112-9	Bracket—Receiver steel 16 gage x 6 1/2 x 10 1/4 in.	1
		Screw—RH machine brass 1/4-20NC x 2 in.	3
		Washer—Shakeproof brass 1/4 in. standard	3
		Nut—Hex brass 1/4 in.-20NC	3
	P508	Joint—Ball adjusting bronze (Willis)	2
	416-112-11	Bar—Brass 1/4 in. dia -20NC each end x 6 in.	1
		Nut—Hex brass 1/4 in.-20NC	1

MAIN SWITCHBOARD AND INSTRUMENT PANEL INSTALLATION

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			CENTER PANEL ASSEMBLY	
	No Number		Main Switchboard and Instrument Panel Installation (dwg 416-60)	1
			Panel Assy—Center	1
			Door—Center panel	1
	No Number		Voltmeter—125 ohm per volt dc 0.50 model 327A (Triplet)	1
	No Number		Ammeter—External shunt dc 100-0-100 model 327 (Triplet)	1
			Screw—RH machine brass No. 6-32 x ½ in	8
			Washer—Shakeproof bronze No. 6	8
			Nut—Hex bronze No. 6-32	8
			Hinge—Center	1
			Screw—FH machine steel galv No. 4-40NC x ⅜ in	AR
			Washer—Shakeproof steel galv No. 4	AR
			Nut—Hex steel galv No. 4-40NC	AR
			Screw—RH machine brass No. 2-56 x ¼ in	AR
			Plate—Name main disconnect switch	1
			Screw—RH machine brass No. 2-56 x ¼ in	AR
			Screw—RH machine steel galv ¼-20 x 1½ in	6
			Washer—Shakeproof steel galv ¼ in	6
			Nut—Hex steel galv	6
	8801		Switch—Single pole (Cutler-Hammer)	11
			Plate—Name—Light	2
			Plate—Name—Forward and aft blower	1
			Plate—Name—Bilge pump	1
			FUEL GAGE PANEL ASSEMBLY	
		(a)	Panel Assy—Fuel gage	2
			Pump—Primer	1
			Gage—Fuel pressure	1
			Screw—RH machine brass No. 6-32 x ⅜ in	3
			Washer—Shakeproof bronze No. 6	3
			Nut—Hex brass No. 6-32	3
			Screw—Self tapping slotted head machine Shakeproof type I No. 10-24 x ⅜ in	4
			INSTRUMENT PANEL ASSEMBLY LH AND RH	
			Panel Assy—Instrument LH and RH	2
			Gage—Oil temperature furnished with engine	1
			Switch—Ignition with screws furnished with engine	1
			Plate—Name—Ignition	1
			Gage—Oil pressure furnished with engine	1
			Gage—Water temperature furnished with engine	1
			Ammeter—Furnished with engine	1
			Screw—RH machine brass No. 6-32 x ⅜ in	6
			Washer—Shakeproof bronze No. 6	6
			Nut—Hex bronze No. 6-32	6
	9023		Switch—Starter (Cole Hersee)	1
			Plate—Name—Starter	1
			Tachometer	1
			Screw—FH wood steel galv No. 14 x 1½ in	1
			Plate Assy—Ground	1
			Screw—FH machine bronze No. 8-32 x 1 in	4
			Washer—Shakeproof bronze No. 8	4
			Nut—Hex brass No. 8-32	4
			Screw—Self tapping slotted head maching Shakeproof No. 10-24 x ⅜ in	AR
			Plate—Name—Aft blower, forward blower	1
			Plate—Name—Autopulse heater pump	1
			Hinge—Side	1
			STARTER RELAY ASSEMBLY	
	No Number		Relay Assy—Starter, type 28-MS-24, 24 volts furnished with engine	1
			Screw—RH machine steel galv 5/16-18 x ½ in	4
			Washer—Flat steel galv 5/16 in	4
			Nut—Hex steel galv 5/16 in.-18	4
			Relay—Starter type 28-MS-24, 24 volts furnished with engine	2
			FUSE PANEL ASSEMBLY	
	No Number	(a)	Panel Assy—Fuse (dwg 416-60-5)	2
	No Number		Box Assy (dwg 416-60-1)	1
	416-60-3		Door—Fuse panel (dwg 416-60-3)	1
	ED525		Knob—Cabinet (Am. Cab. Hdwe Corp)	2
	3655		Catch—Roll point friction steel (Am. Cab. Hdwe Corp)	
			Screw—RH machine brass No. 8-32 x ⅜ in	12
			Washer—Shakeproof bronze No. 6	12
			Nut—Hex brass No. 6-32	12
			Screw—RH machine steel galv ¼-20 x ½ in	6
			Washer—Shakeproof steel galv 1-¼ in	6
			Screw—FH machine steel galv No. 4-40NC x ⅜ in	8
			Washer—Shakeproof steel galv No. 4	8
			Nut—Hex steel galv No. 4-40NC	8
			Screw—RH machine compass No. 2-56 x ⅜ in	8
			Nut—Hex brass No. 2-56	8

(a) *Non-procurable.*

FUEL SYSTEM

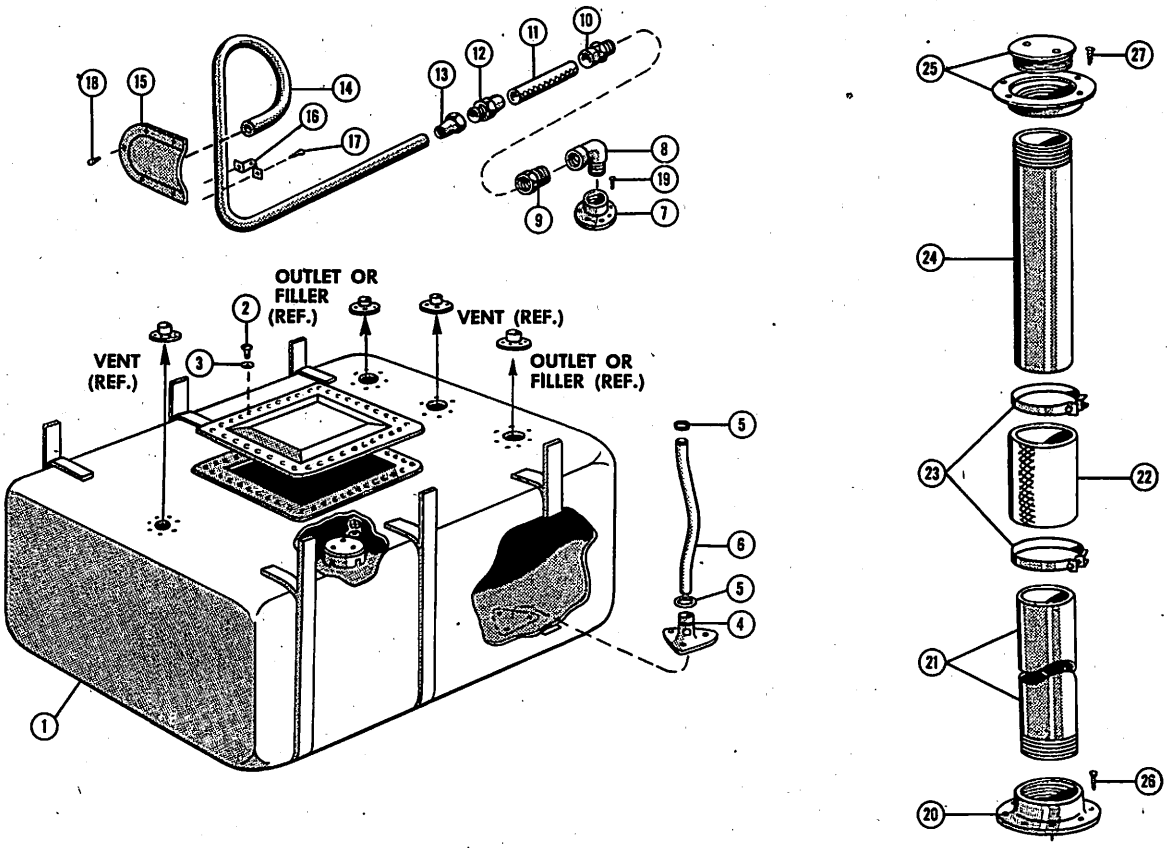


Figure 16—Fuel Tank Assembly

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			FUEL TANK ASSEMBLY	
			Fuel System (dwg 416-29)	
16	No Number		Tank Assy—Fuel (dwg 416-29)	2
16- 1	416-30		Tank—Fuel (Spec. No. 28149-C)	1
2			Screw—Fil-hd cap cad. plate steel ¼-28 x ⅝ in.	48
3			Washer—Burr tinned steel ¼ in.	48
16		(a)	Tube Assy—Outlet	1
4			Holder—Outlet tube	1
5			Clamp—Hose stainless steel 6 in. long	2
6			Tubing—Hy-car 1 ID x 38 in.	1
16		(a)	Piping Assy—Fuel tank vent line	2
7	416-29-3		Fitting—Vent cad. plate steel	2
8			Elbow—90° street brass ¾ in. IPS	1
9			Bushing—Brass ¾ in. male pipe x ½ in. female pipe	1
10	E10-8DB		Fitting—End ⅝ in. Titeflex x ½ in. male pipe (Titeflex)	1
11	135-10		Hose—Double braid flexible metal brass ⅝ ID x 8½ in. (Titeflex)	1
12	E10-14DB		Fitting—End brass ⅝ in. Titeflex x ⅝ in. male flare (Titeflex)	1
13	N2-10		Nut—Flare tube ⅝ in. (Kerotest)	1
14	Comm		Tubing—Copper ⅝ OD x .028 in. wall (Spec. No. WW-T-799)	AR
15			Shell—Clam copper 20 oz x 3 x 3 in. (replace with W-C fig. No. 8570)	1
16			Strap—Tube copper ⅝ in. OD tube	3
17			Screw—RH wood brass No. 8 x ¾ in.	6
18			Screw—RH wood brass ½ in.	5
19			Screw—Fil-hd cap cad. plate steel ¼-28 x ½ in.	8
16		(a)	Piping Assy—Fuel tank filler	1
20	416-29-2		Fitting—Filler cad. plate steel	1
21			Pipe—Brass 2 IPS x 20 in. threaded one end	1
22			Clamp—Hose stainless steel 12 in. long	2
23			Hose—Buna 4-ply 2½ in. ID x 5 in.	1
24			Pipe—Brass 2 IPS x 20 in. threaded one end	1
25	985		Plate—Deck bronze 2 in. IPS (Willis)	1
26			Screw—Fil-hd cap cad. plate steel ¼-28 x ⅝ in.	8
27			Screw—FH wood brass No. 10 x 1 in.	4

(a) *Non-procurable.*

FUEL SYSTEM

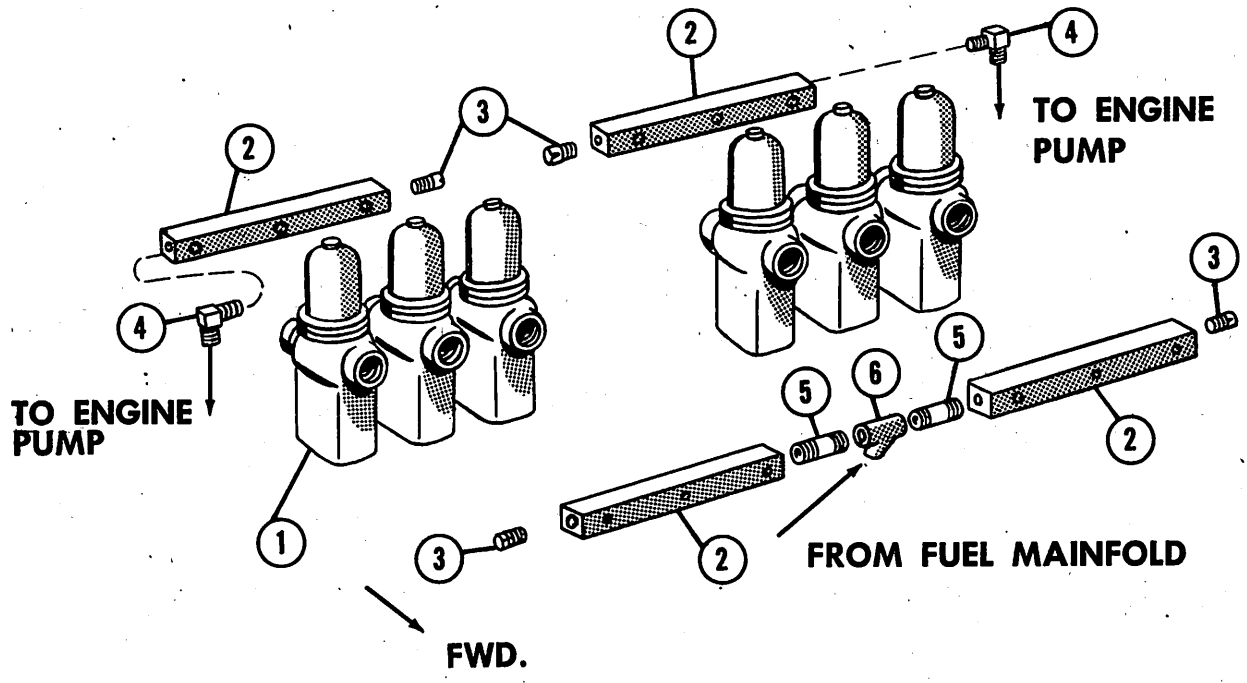


Figure 17—Electric Fuel Pump Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			ELECTRIC FUEL PUMP ASSEMBLY	
17		(a)	Pump Assy—Electric fuel	2
17- 1			Pump Assy—Triplex fuel ¼ in. IPS	2
17		(a)	Manifold Assy—Fuel pump (dwg 416-29)	2
2			Manifold—Pump	2
3			Plug—Brass ¼ in. IPS	4
4	U1-3A		Elbow—90° brass ⅛ in. male pipe x 5/16 in. male flare (Kerotest)	2
5			Nipple—Brass ¼ IPS x 2 in.	1
6			Tee—Brass ¼ x ¼ x ⅜ in. IPS	1
			FUEL STRAINER AND MANIFOLD ASSEMBLY	
18		(a)	Strainer and Manifold Assy—Fuel	1
18- 1	2S1239		Strainer—Fuel bronze ⅛ in. IPS (Ellcon)	2
2			Nipple—Brass ⅛ IPS x 2½ in.	2
3	*449 1-2		Valve—Gate brass ⅛ in. IPS (Crane)	2
4	416-29-84		Manifold—Fuel brass (LM)	1
5			Elbow—90° street brass ⅜ in. IPS	2
6	*449 1-2		Valve—Gate brass ⅛ in. IPS (Crane)	2
7	U1-8C		Union—Brass ⅜ in. male pipe x ⅛ in. male flare (Kerotest)	
8	1204		Valve—Globe brass ⅛ in. IPS (Crane)	3
9	U1-3A		Elbow—90° brass ⅛ in. male pipe x 5/16 in. male flare (Kerotest)	3
10	416-29-64		Strap—Strainer steel galv 14 gage x 1 in. x 10½ in.	2
11	416-29-65		Strap—Manifold steel galv 14 gage x 1 x 5¾ in.	1
12			Screw—RH wood steel galv No. 8 x 1¾ in.	12

(a) *Non-procurable.*
* *Size to be specified when ordering.*

FUEL SYSTEM

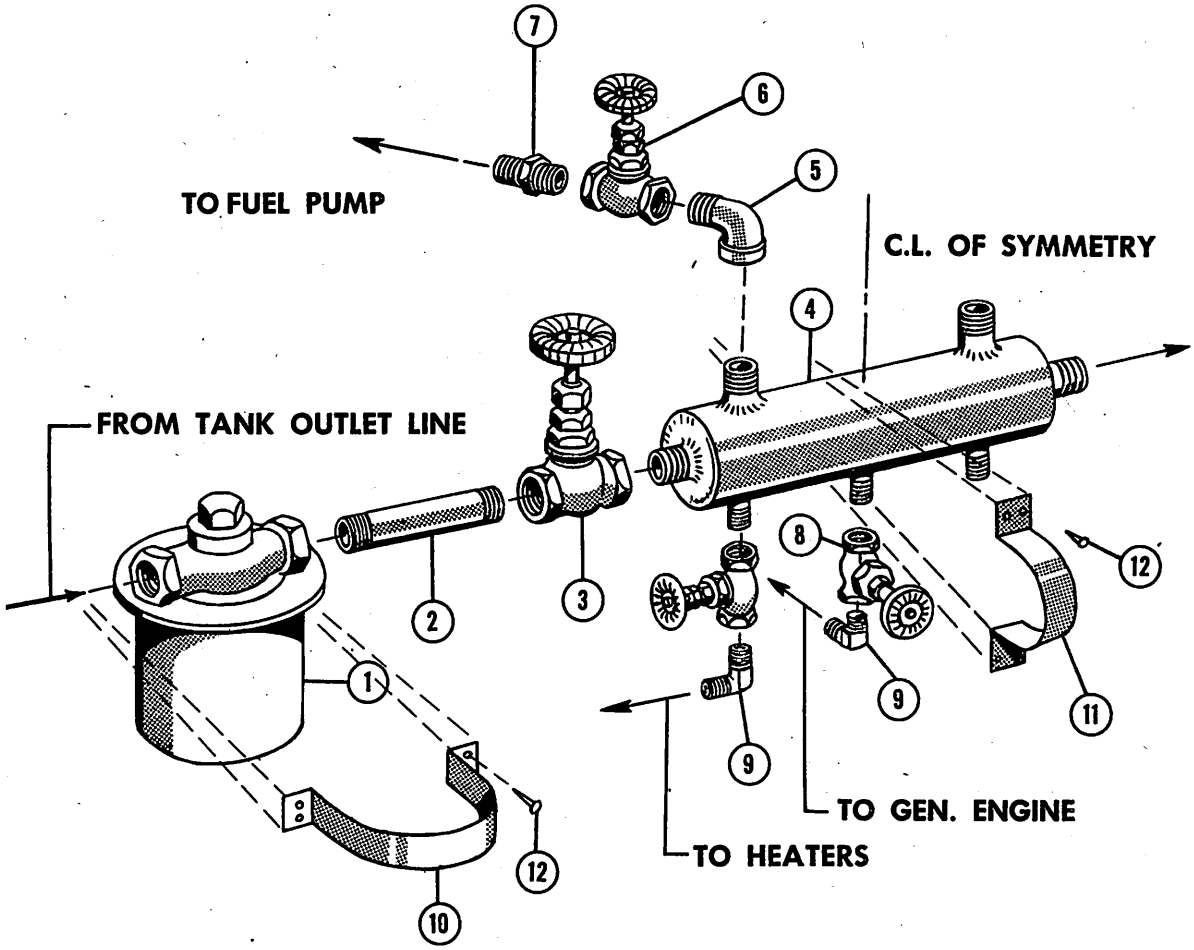


Figure 18—Fuel Strainer and Manifold Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		FUEL TANK TO MANIFOLD LINE ASSEMBLY	
19		(a) Line Assy—Fuel tank to manifold	2
19- 1	416-30-4	Fitting—Outlet cad. plate steel	1
2		Elbow—90° street brass ¾ in. IPS	1
3		Bushing—Brass ¾ in. male pipe x ½ in. female pipe	
4	E10-3DB	Fitting—End ⅝ in. Titeflex x ½ in. male pipe (Titeflex)	2
5	135-10	Hose—Flexible metal double braid ⅝ ID x 8½ in. (Titeflex)	1
6	*449-2	Valve—Gate brass ½ in. IPS (Crane)	1
7		Elbow—90° street brass ½ in. IPS	1
8	U1-10D	Union—Brass ½ in. male pipe x ⅝ in. male flare (Kerotest)	1
9	N2-10	Nut—Flare tube brass ⅝ in. (Kerotest)	1
10	Comm	Tubing—Copper ⅝ OD x .028 in. wall (Spec. No. WW-T-799)	AR
11	N2-10	Nut—Flare tube brass ⅝ in. (Kerotest)	1
12	E3-10D	Elbow—90° brass ½ in. female pipe x ⅝ in. male flare (Kerotest)	1
13		Nipple—Brass ½ IPS x 2½ in.	1
14	No Number	Washer—Split fir ply ¼ x 2⅜ in. dia (dwg 416-30-85)	2
15		Screw—RH wood brass ½ in.	12
16		Screw—Fil-hd cap cad. plate steel ¼-28 x ⅝ in.	12

(a) Non-procurable.
** Size to be specified when ordering.*

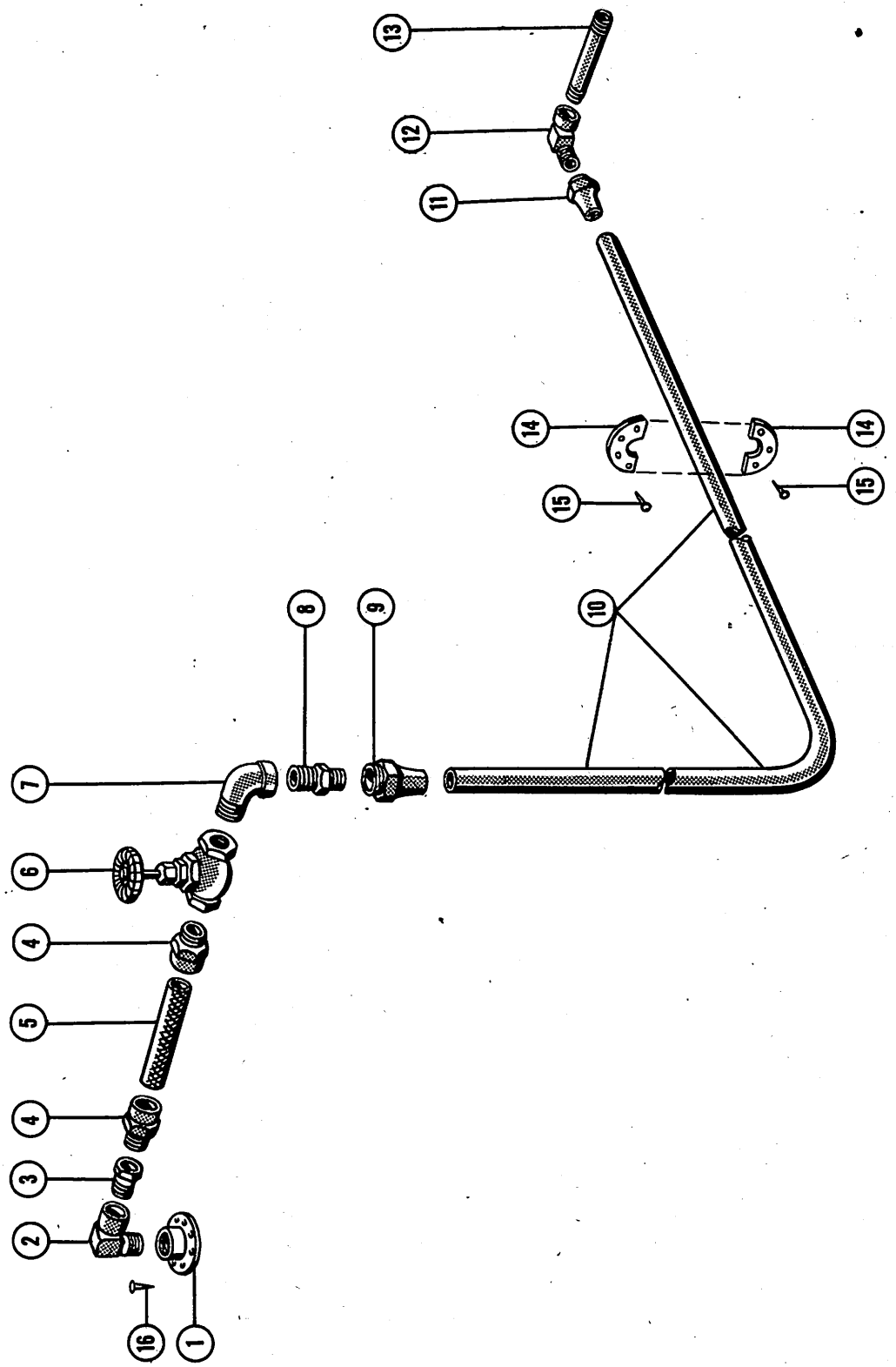


Figure 19—Fuel Tank to Manifold Line Assembly

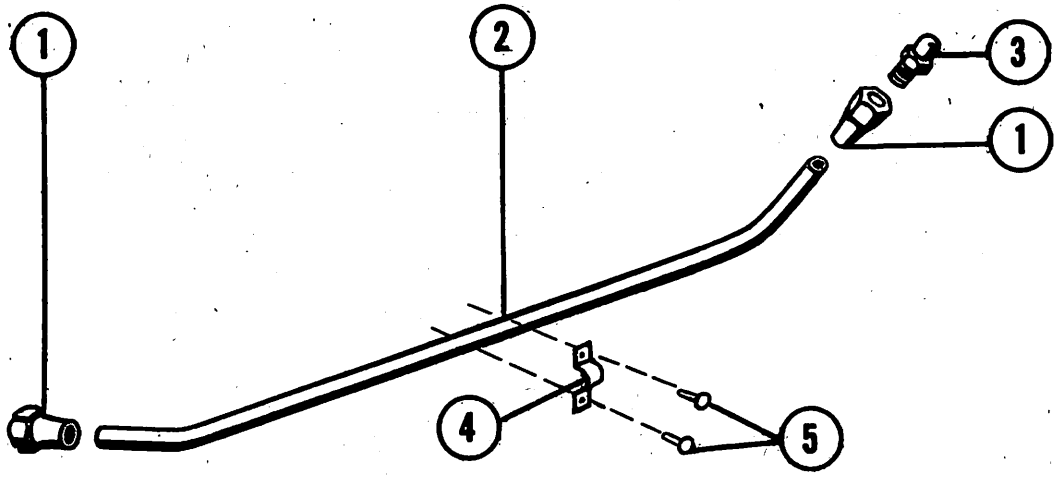


Figure 20—Manifold to Electric Fuel Pump Piping Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			MANIFOLD TO ELECTRIC FUEL PUMP PIPING ASSEMBLY	
20		(a)	Piping Assy—Manifold to electric fuel pump	2
20- 1	N2-8		Nut—Flare tube brass ½ in (Kerotest)	2
2	Comm		Tubing—Copper ½ OD x .035 in. wall (Spec. No. WW-T-799)	AR
3	U1-8C		Union—Brass ½ in. male pipe x ½ in. male flare (Kerotest)	1
4			Strap—Tube copper ½ in. OD tube	2
5			Screw—RH wood brass ½ in.	4

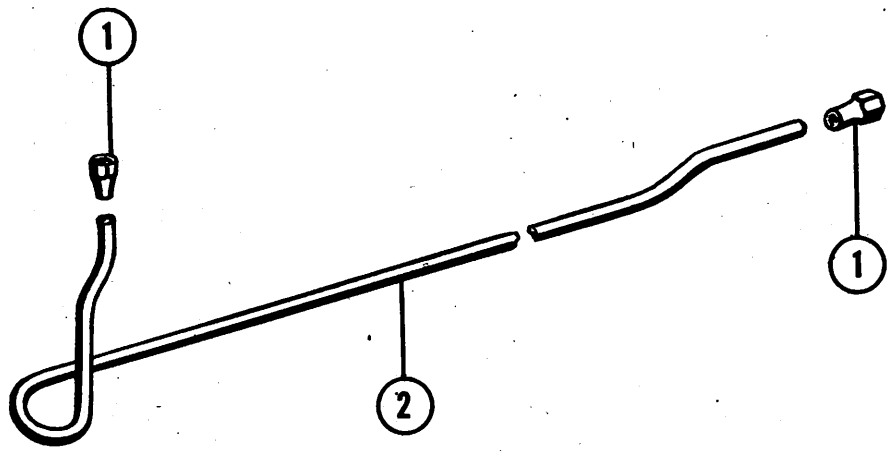


Figure 21—Generator Engine to Manifold Piping Assembly

			GENERATOR ENGINE TO MANIFOLD PIPING ASSEMBLY	
21		(a)	Piping Assy—Generator engine to manifold	1
21- 1			Nut—Flare tube ¼ in.	2
2	Comm		Tubing—Copper ¼ in. OD x 18 ft .032 in. wall (Spec. No. WW-T-799)	AR

(a) *Non-procurable.*

FUEL SYSTEM

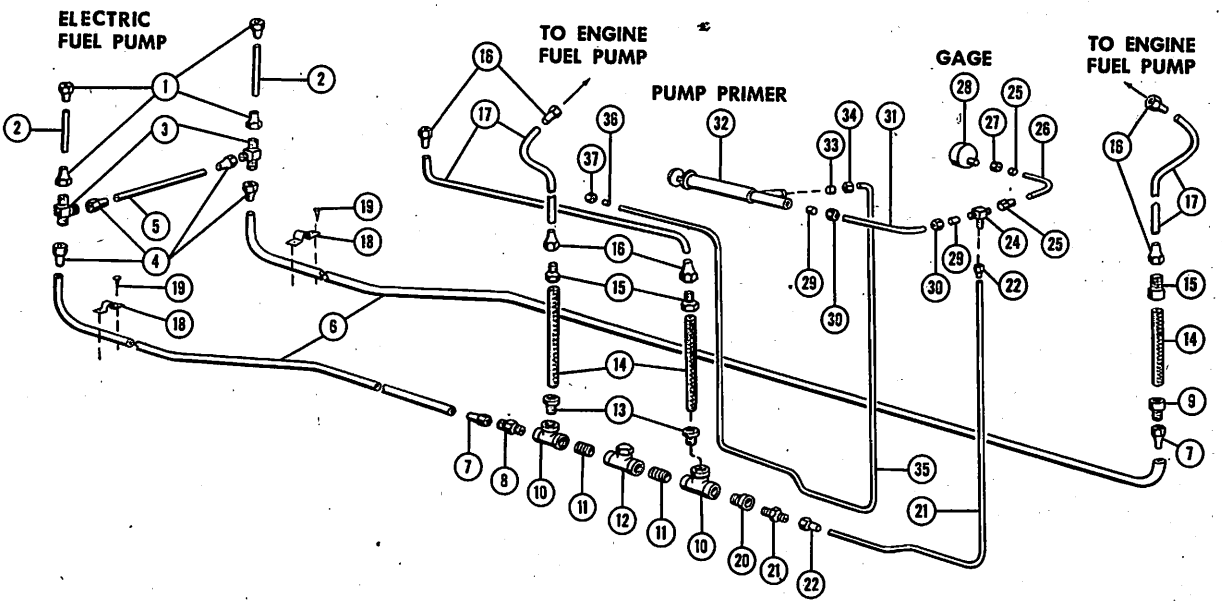


Figure 22—Electric Fuel Pump to Engine Fuel Pump Piping Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		ELECTRIC FUEL PUMP TO ENGINE FUEL PUMP PIPING ASSEMBLY	
22	(a)	Piping Assy—Electric fuel pump to engine fuel pump	2
22	(a)	Piping Assy—RH	1
22	(a)	Piping Assy—LH	1
22- 1	N2-6	Nut—Flare tube brass 3/16 in. (Kerotest)	2
2	Comm	Tubing—Copper 5/16 OD x .045 in. wall (Spec. No. WW-T-799)	AR
3	T2-6	Tee—Brass 3/8 in. male flare (Kerotest)	2
4	N2-6	Nut—Flare tube brass 3/16 in. (Kerotest)	2
5	Comm	Tubing—Copper 5/16 OD x .035 in wall (Spec. No. WW-T-799)	AR
6	Comm	Tubing—Copper 5/16 OD x .035 in wall (Spec. No. WW-T-799)	AR
7	N2-6	Nut—Flare tube brass 5/16 in. (Kerotest)	2
8	U1-6B	Union—Brass 1/4 in. male pipe x 3/16 in. male flare (RH only) (Kerotest)	1
9	E5-45B	Fitting—End brass 5/16 in. Titeflex x 3/8 in. male flare (LH only) (Titeflex)	1
10		Tee—Brass 1/4 in. IPS (RH only)	2
11		Nipple—Close brass 1/4 in. IPS (RH only)	2
12	*35	Valve—Swing check brass 1/4 in. IPS (RH only) (Crane)	1
13	E5-5SB	Fitting—End brass 5/16 in. Titeflex x 1/4 in. male pipe (RH only) (Titeflex)	2
14	No Number	Hose—Flexible metal single braid brass type 180-5 5/16 ID x 6 in. (Titeflex)	3
15	E5-4SB	Fitting—End brass 5/16 in. Titeflex x 3/16 in. male flare (Titeflex)	3
16	N2-6	Nut—Flare tube brass 3/16 in. (Kerotest)	6
17	Comm	Tubing—Copper 5/16 OD x .035 in wall (Spec. No. WW-T-799)	AR
18		Strap—Tube copper 5/16 in. OD tube	2
19		Screw—RH wood brass 3/4 in.	4
22	(a)	Piping Assy—Electric fuel pump to gage and pump primer	1
20		Bushing—Brass 1/8 x 1/4 in. IPS	1
21	U1-3A	Union—Brass 1/8 in. male pipe x 1/16 in. male flare (Kerotest)	1
22	N2-3	Nut—Flare tube brass 1/16 in. (Kerotest)	1
23	Comm	Tubing—Copper 1/8 OD x .035 in. wall (Spec. No. WW-T-799)	AR
24	T2-3	Tee—Brass 1/8 in. male flare (Kerotest)	1
25	N2-3	Nut—Flare tube brass 1/8 in. (to gage) (Kerotest)	2
26	Comm	Tubing—Copper 1/8 OD x .035 in. wall (Spec. No. WW-T-799)	AR
27	U3-3A	Union—Brass 1/8 in. female pipe x 1/16 in. male flare (Kerotest)	1
28		Gage—Pressure (GFE)	1
29		Sleeve—Compression tube brass 1/8 in. (to pump primer)	2
30		Nut—Compression tube brass 1/8 in.	2
31	Comm	Tubing—Copper 1/4 OD x .035 in. wall (Spec. No. WW-T-799)	AR
32		Primer—Pump (GFE)	1
33		Sleeve—Compression tube brass 1/8 in.	1
34		Nut—Compression tube brass 1/8 in.	1
35	Comm	Tubing—Copper 1/8 OD x .035 in. wall (Spec. No. WW-T-799)	AR
36		Sleeve—Compression tube brass 1/8 in.	1
37		Nut—Compression tube brass 1/8 in.	1

(a) *Non-procurable.*
* *Size to be specified when ordering.*

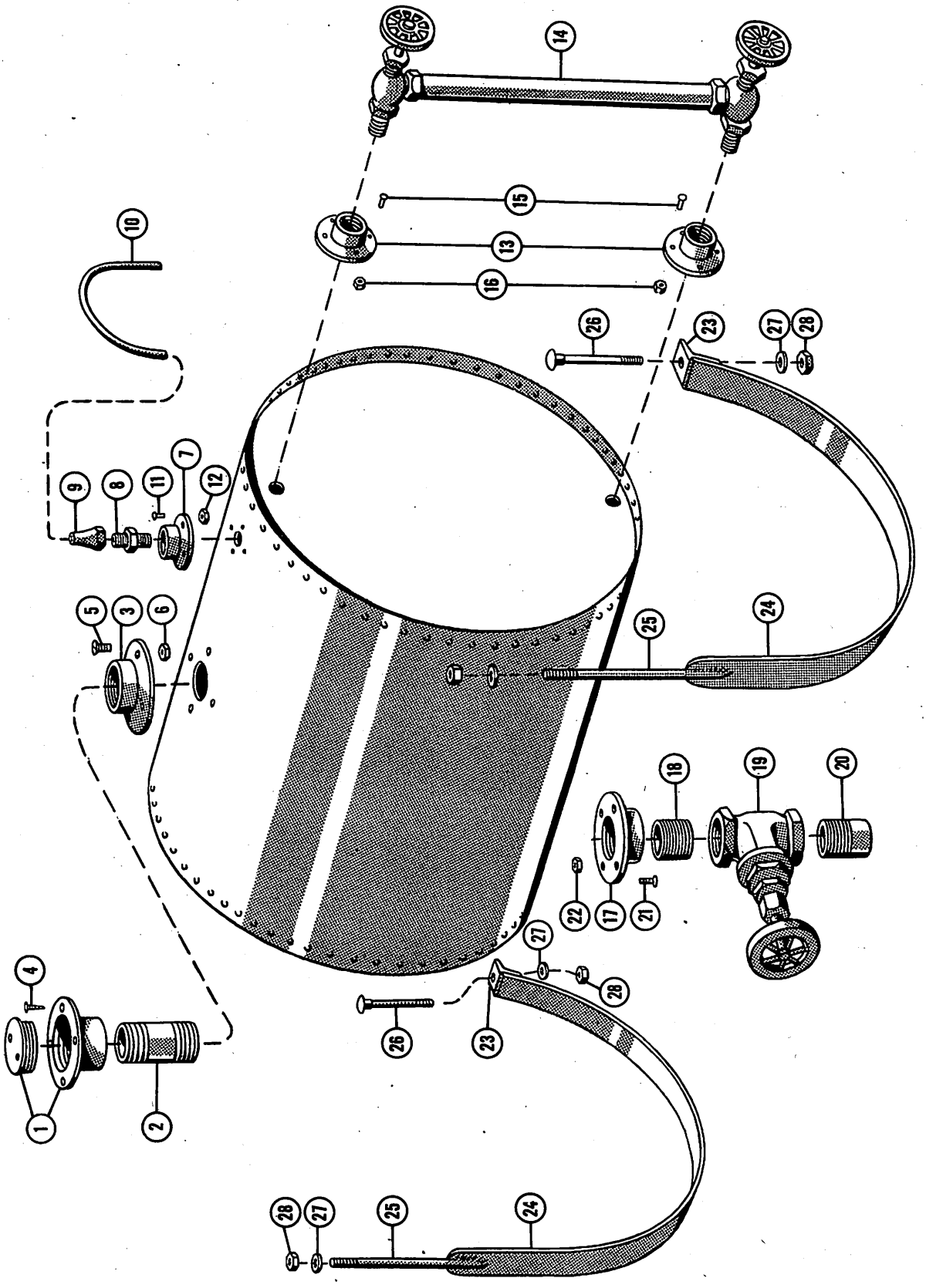


Figure 23—Lubrication Oil Tank and Piping Assembly

LUBRICATION OIL TANK AND PIPING ASSEMBLY

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
23		(a) Oil Tank and Piping Assy—Lubrication (dwg 416-52)	2
28	416-52	Tank Assy—Oil	1
28		(a) Piping Assy—Oil tank filler	1
28- 1	985	Plate—Deck brass 1½ in. pipe (Willis)	1
2		Nipple—Shoulder galv 1½ x 8½ in.	1
3		Flange—Pipe floor brass 1½ in. pipe	1
4		Screw—FH wood brass ¾ in. No. 8	4
5		Screw—FH machine galv ⅜ x ¼ in.-20	4
6		Nut—Square galv ¼ in.-20	4
28		(a) Piping Assy—Oil tank vent line	1
7		Flange—Pipe galv ¼ in. pipe	1
8		Union—Brass ¼ in. male pipe x ¼ in. OD flare	1
9		Nut—Flare brass ¼ in. OD tube	1
10	Comm	Tubing—Copper soft ¼ OD x .032 in. wall (Spec. No. WW-T-799)	AR
11		Screw—FH machine galv ½ in. x No. 10-24	4
12		Nut—Square galv ½ in. x No. 10-24	4
28		(a) Gage Assy—Oil	1
13		Flange—Pipe floor galv ½ in. pipe	2
14	624	Gage—Sight low pressure brass ½ in. pipe	1
15		Screw—FH machine galv ⅜ x ¼ in.-20	8
16		Nut—Square galv ¼ in.-20	8
28		(a) Outlet Assy—Oil tank	1
17		Flange—Pipe floor galv 1 in. pipe	1
18		Nipple—Close galv 1 in. pipe	1
19	*449 1-2	Valve—Gate brass 1 in. pipe (Crane)	1
20		Nipple—Shoulder galv 1 x 8 in.	1
21		Screw—FH machine galv ⅜ x ¼ in.-20	4
22		Nut—Square galv ¼ in.-20	4
23		(a) Strap Assy—Tank	2
23	416-52-3	Bar—Angle steel 2 x 1½ x 3/16 in.	1
24	416-52-4	Strap—Steel 1/16 x 1½ x 36¾ in.	1
25	416-52-5	Rod—Round steel 10¾ x ⅜ in. dia.	1
26		Bolt—Carriage galv 7½ x ⅜ in. 16 dia.	1
27		Washer—Flat galv ⅜ in.	2
28		Nut—Square galv ⅜ in.-16 dia.	2

(a) *Non-procurable.*
* *Size to be specified when ordering.*

MAIN ENGINE COOLING SYSTEM

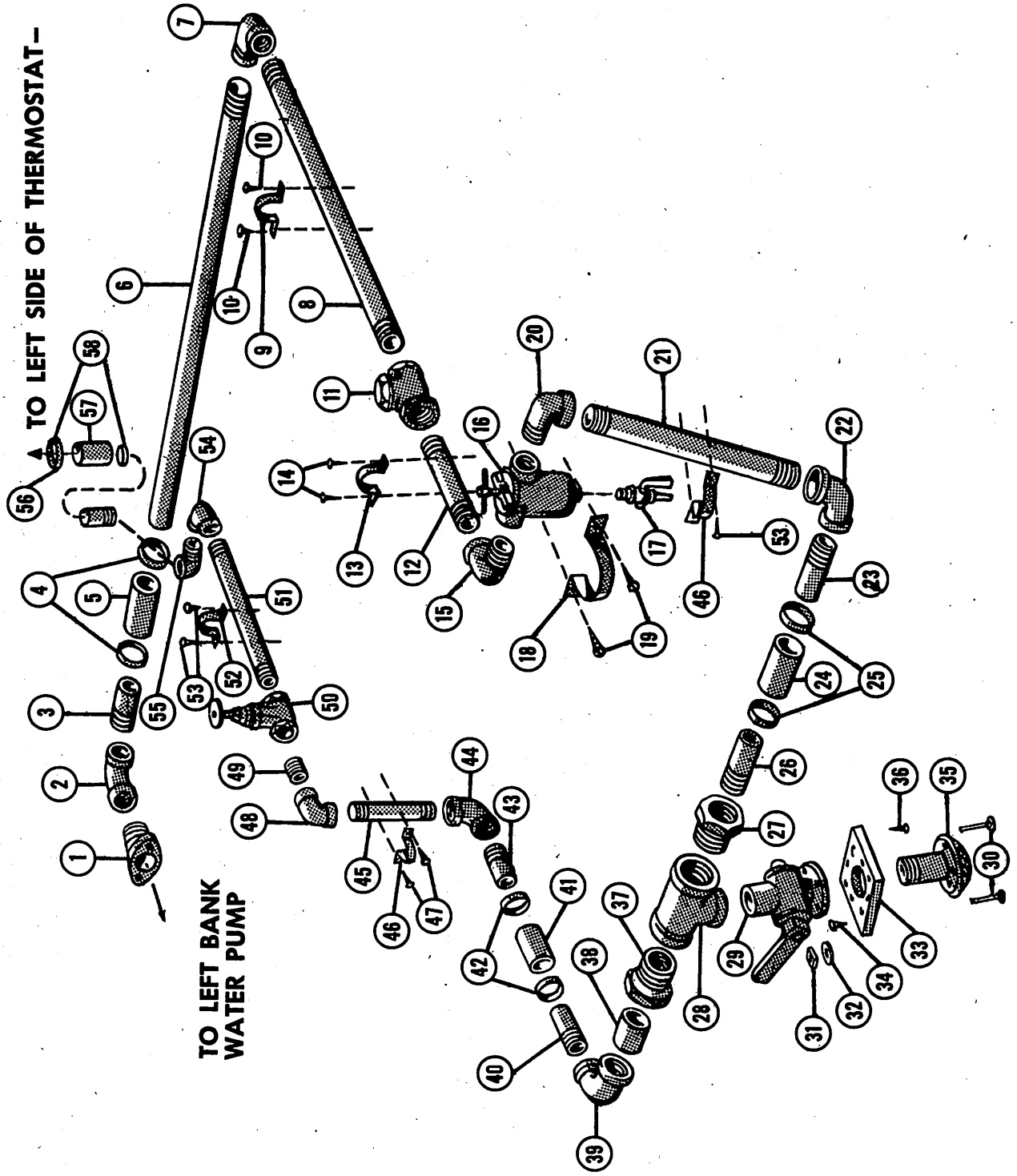


Figure 24—Engine Coolant Pump to Thermostat and Intake Sea Cock Piping Assembly (LH side of engine)

MAIN ENGINE COOLING SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			ENGINE COOLANT PUMP TO THERMOSTAT AND INTAKE SEA COCK PIPING ASSEMBLY (LH SIDE OF ENGINE)	
			Main Engine Cooling System (dwg 416-84)	1
24			Piping Assy—Engine coolant pump to thermostat and intake sea cock (LH side of engine)	2
24- 1	416-84-57		Flange—Pipe brass (LM)	1
2			Elbow—90° brass 1½ in. IPS	1
3			Pipe—Threaded one end brass 1½ IPS x 3½ in.	1
4			Clamp—Hose stainless steel 9 in. long	2
5	No Number		Hose—Water 3-ply rubber 1⅞ ID x 4 in. (Spec. No. 3748) (Goodyear)	1
6			Pipe—Threaded one end brass 1½ IPS x 4 in.	1
7			Elbow—90° brass 1½ in. IPS	1
8			Pipe—Brass 1½ IPS x 23½ in.	1
9			Strap—Pipe steel galv 1½ in. pipe	1
10			Screw—RH wood steel galv No. 8 x 1 in.	2
11			Valve—Check brass 1½ in. IPS (Crane)	1
12			Nipple—Brass 1½ in. IPS x 5 in.	1
13			Strap—Pipe steel galv for 1½ in. pipe	1
14			Screw—RH wood steel galv No. 8 x 1 in.	2
15			Elbow—90° street brass 1½ in. IPS	1
16	M150		Strainer—Brass 1½ in. IPS (Ellcon)	1
17	702		Petcock—Brass ½ in. IPS (Crane)	1
18			Strap—Steel galv ⅛ x ½ x 16 in.	1
19			Screw—RH wood steel galv No. 10 x 1½ in.	2
20			Elbow—90° street brass 1½ in. IPS	1
21			Pipe—Brass 1½ IPS x 11½ in.	1
22			Elbow—90° brass 1½ in. IPS	1
23			Pipe—Threaded one end brass 1½ IPS x 3½ in.	1
24	No Number		Hose—Water rubber 3-ply 1⅞ ID x 4 in. (Spec. No. 3748) (Goodyear)	1
25			Clamp—Hose stainless steel 9 in. long	2
26			Pipe—Threaded one end brass 1½ IPS x 3½ in.	1
27			Bushing—Brass 1½ IPS x 2 in. IPS	1
28			Tee—Brass 2 in. IPS	1
24		(a)	Sea cock Assy—LH side	2
29	*4276		Sea cock—Left bank 2 in. (Willis)	1
30			Bolt—Carriage bronze ⅝ x 3½ in.	4
31			Nut—Hex bronze ⅝ in.-18NC	4
32	AN960B516		Washer—Flat ⅝ in.	4
33			Pad—Mahogany ¾ x 7 x 9 in.	1
34			Screw—FH wood brass No. 9 x 1½ in.	4
35	416-34-1		Scoop—High speed brass 2 in. IPS	1
36			Screw—FH wood brass No. 12 x 1½ in.	8
37	416-34-18		Bushing—Brass 1 IPS x 2 in. IPS	1
38			Nipple—Close brass 1 in. IPS	1
39			Elbow—90° brass 1 in. IPS	1
40			Pipe—Threaded one end brass 1 in. IPS x 4 in.	1
41	No Number		Hose—Water rubber 3-ply 1¼ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
42			Clamp—Hose stainless steel 7 in. long	2
43			Pipe—Threaded one end brass 1 IPS x 4 in.	1
44			Elbow—90° brass 1 in. IPS	1
45			Nipple—Brass 1 IPS x 10¾ in.	1
46			Strap—Pipe steel galv 1 in.	1
47			Screw—RH wood steel galv No. 8 x 1 in.	2
48			Elbow—90° brass 1 in. IPS	1
49			Nipple—Close brass 1 in. IPS	1
50	*449 1-2		Valve—Gate brass 1 in. IPS (Crane)	1
51			Pipe—Brass 1 IPS x 23½ in.	1
52			Strap—Pipe steel galv 1 in.	1
53			Screw—RH wood steel galv No. 8 x 1 in.	2
54			Elbow—90° brass 1 in. IPS	1
55			Elbow—90° street brass 1 in. IPS	1
56			Pipe—Threaded one end brass 1 IPS x 3 in.	1
57	No Number		Hose—Water rubber 3-ply 1¼ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
58			Clamp—Hose stainless steel 7 in. long	2

(a) *Non-procurable.*
* *Size to be specified when ordering.*

MAIN ENGINE COOLING SYSTEM

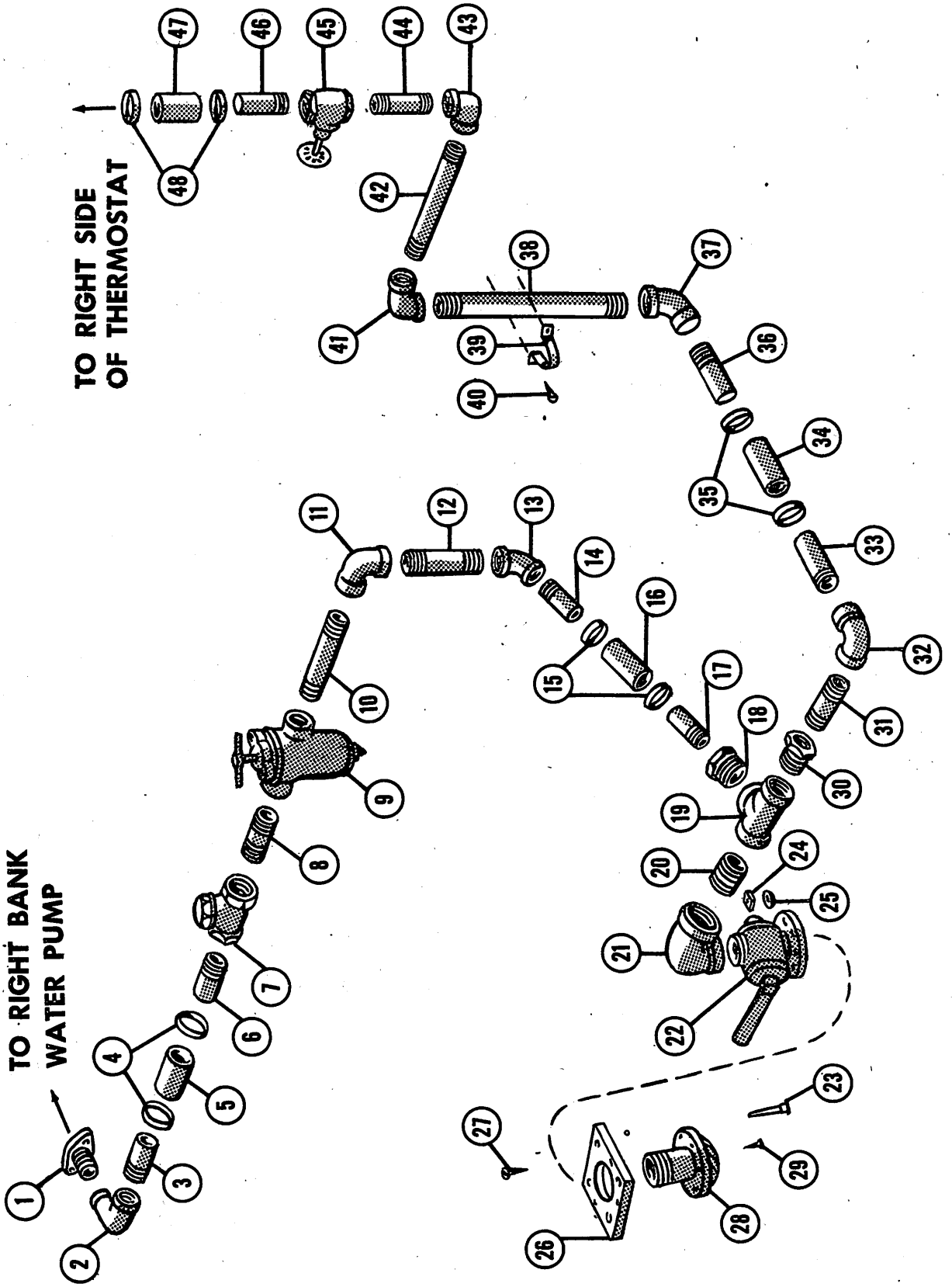


Figure 25—Engine Coolant Pump to Thermostat and Intake Sea Cock Piping Assembly (RH side of engine)

MAIN ENGINE COOLING SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			ENGINE COOLANT PUMP TO THERMOSTAT AND INTAKE SEA COCK PIPING ASSEMBLY (RH SIDE OF ENGINE)	
25		(a)	Piping Assy—Engine coolant pump to thermostat and intake sea cock (RH side of engine) (dwg 416-34)	2
25- 1	416-34-57		Flange—Pipe brass (LM)	1
2			Elbow—90° brass 1½ in. IPS	1
3			Pipe—Threaded one end 1½ IPS x 2½ in.	1
4			Clamp—Hose stainless steel 9 in. long	2
5	No Number		Hose—Water rubber 3-ply 1⅞ ID x 4 in. (Spec. No. 3748) (Goodyear)	1
6			Pipe—Threaded one end brass 1½ IPS x 2½ in.	1
7	34		Valve—Check brass 1½ in. IPS (Crane)	1
8			Nipple—Close brass 1½ in. IPS	1
9	M150		Strainer—Brass 1½ in. IPS (Ellcon)	1
10			Nipple—Brass 1½ IPS x 5 in.	1
11			Elbow—90° brass 1½ in. IPS	1
12			Nipple—Brass 1 in. IPS x 4 in.	1
13			Elbow—45° brass 1½ in. IPS	1
14			Pipe—Threaded one end brass 1½ IPS x 3½ in.	1
15			Clamp—Hose stainless steel 9 in. long	2
16	No Number		Hose—Water rubber 3-ply 1⅞ ID x 4 in. long (Spec. No. 3748) (Goodyear)	1
17			Pipe—Threaded one end brass 1½ IPS x 3½ in.	1
18			Bushing—Brass 1½ IPS x 2 in. IPS	1
19			Tee—Brass 2 in. IPS	1
20			Nipple—Close brass 2 in. IPS	1
21			Elbow—90° brass 2 in. IPS	1
25		(a)	Sea cock Assy—RH side	2
22	*4276		Sea cock—Right bank 2 in. (Willis)	1
23			Bolt—Carriage bronze—⅝-18 x 3½ in.	4
24			Nut—Hex bronze ⅝ in.-18-18NC	4
25			Washer—Flat bronze ⅝ in. ID	4
26			Pad—Mahogany ¾ x 7 x 9 in. (LM)	1
27			Screen—FH wood brass No. 9 x 1½ in.	4
28	416-34-1		Scoop—High-speed brass 2 in. IPS	1
29			Screw—FH wood brass No. 12 x 1½ in.	3
30			Bushing—Brass 1 IPS x 2 in. IPS	1
31			Nipple—Close brass 1 in. IPS	1
32			Elbow—90° brass 1 in. IPS	1
33			Pipe—Threaded one end brass 1 IPS x 4 in.	1
34	No Number		Hose—Water rubber 3-ply 1¼ ID x 3in. (Spec. No. 3748) (Goodyear)	1
35			Clamp—Hose stainless steel 7 in long	2
36			Pipe—Threaded one end brass 1 IPS x 4 in.	1
37			Elbow—90° brass 1 in. IPS	1
38			Nipple—Brass 1 IPS x 10¾ in.	1
39			Strap—Pipe steel galv 1 in.	1
40			Screw—RH wood steel galv No. 8 x 1 in.	2
41			Elbow—90° brass 1 in. IPS	1
42			Nipple—Brass 1 IPS x 8 in.	1
43			Elbow—90° brass 1 in. IPS	1
44			Nipple—Brass 1 IPS x 4 in.	1
45	*449 1-2		Valve—Gate brass 1 in. IPS (Crane)	1
46			Pipe—Threaded one end brass 1 IPS x 3 in.	1
47	No Number		Hose—Water rubber 3-ply 1¼ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
48			Clamp—Hose stainless steel 7 in long	2

(a) *Non-procurable.*
* *Size to be specified when ordering.*

MAIN ENGINE COOLING SYSTEM

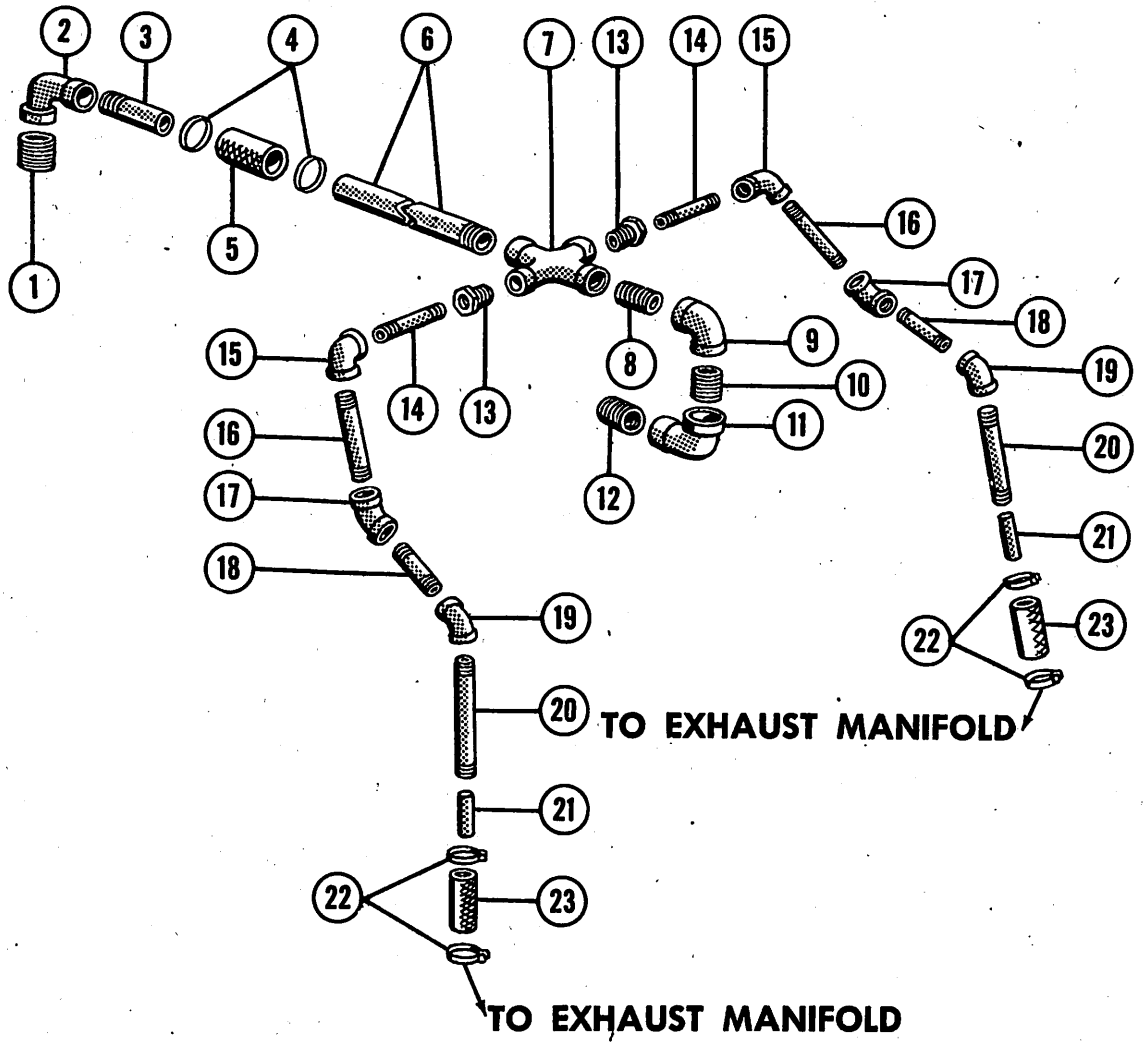


Figure 26—Exhaust Manifold Cooling Piping Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		EXHAUST MANIFOLD COOLING PIPING ASSEMBLY (DWG 416-84)	
26	(a)	Piping Assy—Exhaust manifold cooling (dwg 416-84)	2
26- 1		Nipple—Close brass 1½ in. IPS	1
2		Elbow—90° brass 1½ in. IPS	1
3		Pipe—Threaded one end brass 1½ IPS x 3½ in	1
4		Clamp—Hose stainless steel 9 in. long	2
5	No Number	Hose—Water rubber 3-ply 1⅞ ID x 4 in. long (Spec. No. 3748) (Goodyear)	1
6		Pipe—Threaded one end brass 1½ IPS x 81 in	1
7		Cross—Brass 1½ in. IPS	1
8		Nipple—Close brass 1½ in. IPS	1
9		Elbow—90° brass 1½ in. IPS	1
10		Nipple—Brass 1½ IPS x 2½ in	1
11		Elbow—90° brass 1½ in. IPS	1
12		Nipple—Close brass 1½ in. IPS	1
18		Bushing—Brass 1¼ IPS x 1½ in. IPS	2
14		Nipple—Brass 1¼ IPS x 7 in	2
15		Elbow—45° brass 1¼ in. IPS	2
16		Nipple—Brass 1¼ IPS x 6 in	2
17		Elbow—45° brass 1¼ in. IPS	2
18		Nipple—Brass 1¼ IPS x 6 in	2
19		Elbow—45° brass 1¼ in. IPS	2
20	Comm	Pipe—Threaded one end brass 1¼ IPS x 10 in	2
21		Tubing—Copper hard 1⅜ OD x 8 in. long .042 wall (Spec. No. WW-T-799)	AR
22		Clamp—Hose stainless steel 8 in. long	4
23	No Number	Hose—Water rubber 3-ply 1⅞ ID x 4 in. (Spec. No. 3748) (Goodyear)	2

(a) *Non-procurable.*

MODEL DF-1016 DIRECTION FINDER

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
	No Number	Direction Finder—Model DF-1016 (Bludworth)	1
	DF3075	Capacitor—10-70 MMFD variable	
	DF3888	Capacitor—16.5/16.5 MMFD balance	
	DF3824	Capacitor—000080 MMFD	
	DF3196	Capacitor—000025 MMFD	
	DF3883	Capacitor—4 gang tuning	
	DF3097	Capacitor—Three in one can, 0.1 MFD	
	DF3097	Capacitor—Three in one can, 0.1 MFD	
	DF3896	Capacitor—000005 MFD	
	DF3088	Capacitor—10 MFD	
	DF3086	Capacitor—.08 MFD	
	DF3967	Capacitor—.0043 MFD	
	DF3091	Capacitor—.0005 MFD	
	DF3087	Capacitor—.01 MFD	
	DF3093	Capacitor—.001MFD	
	DF3099	Capacitor—000035 MFD variable	
	DF3089	Capacitor—0.5 MFD	
	DF3539	Capacitor—.000050 MFD	
		Tube—65K7	
		Tube—65A7	
		Tube—65J7	
		Tube—6C5	
		Tube—VR-105-30	
	DF3889	Switch—Single-pull double-throw toggle sense	
	DF3898	Switch—Master	
		Resistor—25,000 ohms ½ watt BT ½	
		Resistor—800 ohms ½ watt BT ½	
		Resistor—1000 ohms ½ watt BT ½	
		Resistor—85,000 ohms ½ watt BT ½	
		Resistor—15,000 ohms ½ watt BT ½	
		Resistor—250,000 ohms ½ watt BT ½	
		Resistor—2 meg ohms	
		Resistor—75,000 ohms ½ watt BT ½	
		Resistor—10,000 ohms ½ watt BT ½	
		Resistor—2000 ohms 10 watt AB	
	DF3956	Transformer—Radio frequency plated	
	DF3975	Transformer—Intermediate frequency plates 115 kilocycles	
	DF3976	Transformer—Intermediate frequency plates 115 kilocycles	
	DF3102	Transformer—Intermediate frequency plates 115 kilocycles	
	DF3779	Transformer—Audio output	
	DF3958	Coil—Oscillator radio frequency	
	DF3108	Coil—Oscillator continuous waves	
	DF3991	Control—Volume tapered 3000 ohm	
	DF3106	Coil—Choke 15 microhenries	
	DF3189	Coil—Filter suppressor	
	DF3059	Lamp—Mazda No. 47	
	DF3155	Voltmeter—0-8 volts	
	DF3941	Socket—Power	
	DF3107	Jack—Telephone	
	DF4047	Resistor—2500 ohms ½ watt BT ½	

PROPELLER DRIVE SYSTEM

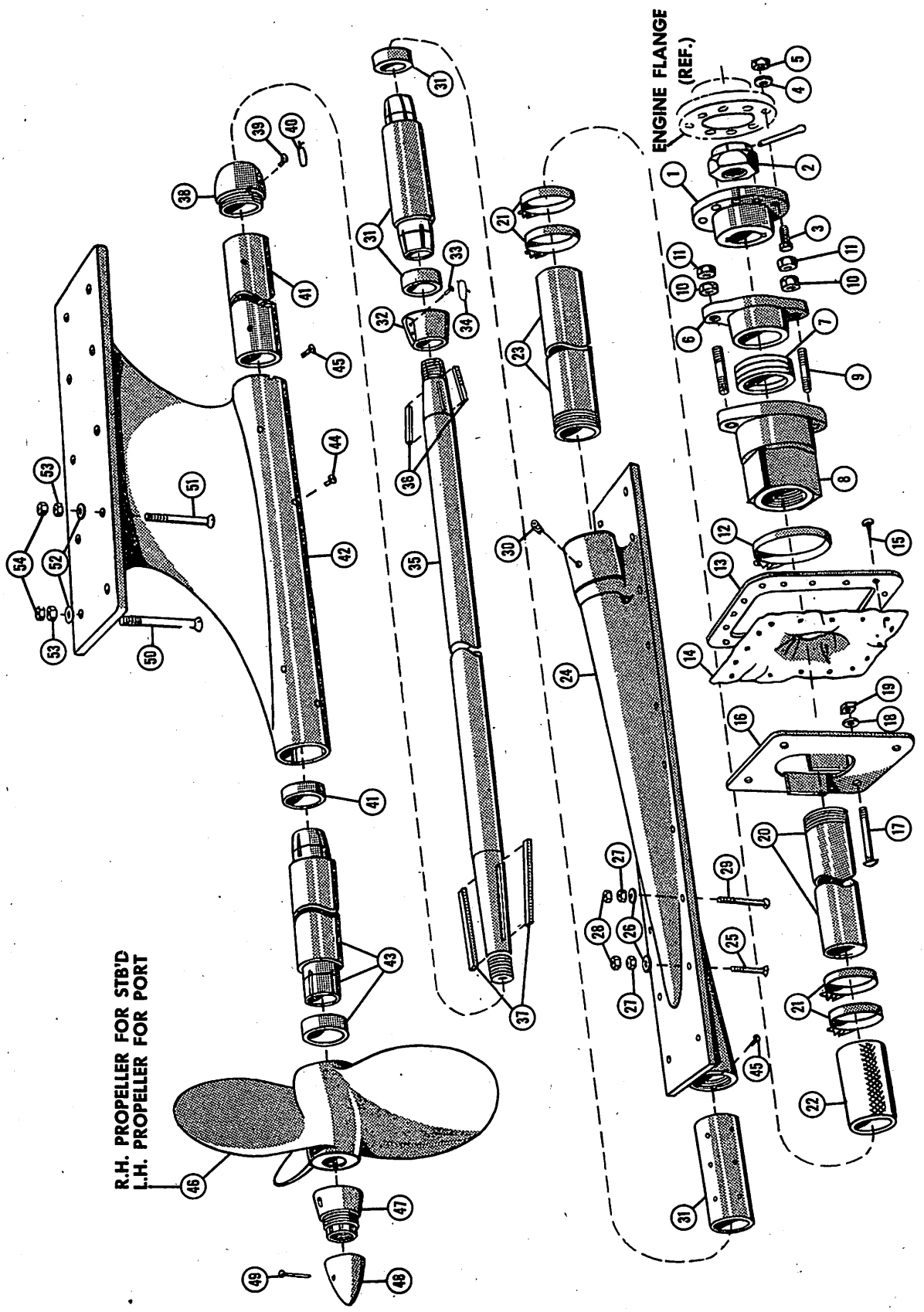


Figure 27—Propeller Drive System

PROPELLER DRIVE SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
27		(a) Propeller Drive System (dwg 416-20)	2
27	416-20-3	(a) Coupling Assy—Flange	1
27 1	416-23-4	Flange—Coupling shaft steel	1
2	416-23-4	Nut—Shaft flange steel 1⅜ in.	1
		Pin—Cotter steel	1
3		Bolt—Hex hd SAE steel ⅜-18 x 2 in.	8
4	AN935-1016	Washer—Lock SAE steel ⅜ in.	8
5		Nut—Hex SAE steel ⅜ in.-18	8
27	416-20-29	Box Assy—Stuffing	1
6	416-23-6	Gland—Manganese bronze	1
7	P590	Ring—Packing flax ⅝ in. square (Willis)	AR
8	416-23-7	Box—Stuffing manganese bronze	1
9	416-23-8	Stud—Bronze ½-13 x 2⅜ in.	2
10		Nut—Hex bronze ½ in.-13	2
11		Nut—Hex jam bronze ½ in.-13	2
27		(a) Seal Assy—Bulkhead (dwg 416-20)	1
12		Clamp—Hose stainless steel ½ x 12 in.	1
13	No Number	Ring—Weldwood fir ply ¼ x 8¼ x 10¼ in. (dwg 416-20-60)	1
14	No Number	Boot—Stuffing box canvas 13 x 15 in., 12 oz. (dwg 416-20-51)	1
15		Screw—FH wood steel galv. No. 8 x ¾ in.	16
16	416-20-23	Plate—Bearing torque steel ⅛ x 6 x 8 in.	1
17		Bolt—Carriage steel ⅜-16 x 2½ in.	4
18	AN960-1016	Washer—Flat steel ⅜ in.	4
19		Nut—Square steel ⅜ in.-16	4
27		(a) Log and Bearing Assy—Shaft	1
20	416-20-53	Extension—Stuffing box brass 2½ x 31½ in.	1
21		Clamp—Hose stainless steel ½ x 12 in.	4
22	No Number	Hose—Rubber 5-ply 2⅞ ID x 7 in. (Spec. No. 3748) (Goodyear)	1
23	416-20-54	Extension—Shaft log brass 2½ x 28 in.	1
24	416-20-30	Log—Shaft, manganese bronze	1
25		Screw—FH machine bronze ¼-20 x ½ in.	8
26		Washer—Flat bronze ⅜ in. ID	6
27		Nut—Hex bronze ⅜ in.-16	20
28		Nut—Hex jam bronze ⅜ in.-16	20
29		Bolt—Shaft log bronze ⅜-16 x 7 in.	10
30		Screw—Hex hd set bronze ⅜-16 x ½ in.	2
31	570	Bearing Assy—Akerite rubber 8 x 3 in. OD (Willis)	1
32	416-20-31	Fairwater—Shaft manganese bronze	1
33		Screw—Fil-hd cap bronze ½ x ¼ in.-20	2
34	Comm	Wire—Lock bronze ⅛ in. dia.	AR
35	416-20-56	Shaft—Monel	1
36	No Number	Key—Shaft flange steel key stock ⅛ x ⅛ x 3 in. (dwg 416-20-5)	2
37	416-20-57	Key—Propeller monel ¼ x ¼ x 6 in.	2
38	416-20-31	Fairwater—Shaft manganese bronze	2
39		Screw—Fil-hd cap bronze ½ x ¼ in.-20	4
40	Comm	Wire—Lock bronze ⅛ dia x 3 in.	AR
41	570	Bearing Assy—Akerite rubber 8 x 3 in. OD (Willis)	1
27		(a) Strut and Propeller Assy	1
42		Strut—Manganese bronze LH and RH	1
43	570	Bearing Assy—Akerite rubber 8 x 3 in. (Willis)	1
44		Screw—FH machine bronze ⅛-18 x ⅝ in.	8
45		Screw—FH machine bronze ¼-20 x ½ in.	AR
46		Propeller—Manganese bronze Viking 23¾ x 23¾ LH and RH (Col-Br dwg P-52)	1
47	416-20-33	Nut—Propeller manganese bronze	1
48	416-20-34	Fairwater—Propeller manganese bronze	1
49		Pin—Cotter bronze ⅛ dia x 2 in.	1
50		Bolt—Strut bronze ½-13 x 7 in.	6
51		Bolt—Strut bronze ½-13 x 6 in.	4
52		Washer—Flat bronze ½ in. ID	10
53		Nut—Hex bronze ½ in.-13	10
54		Nut—Hex jam bronze ½ in.-13	10

(a) *Non-procurable*

FRESH WATER AND SANITATION SYSTEM

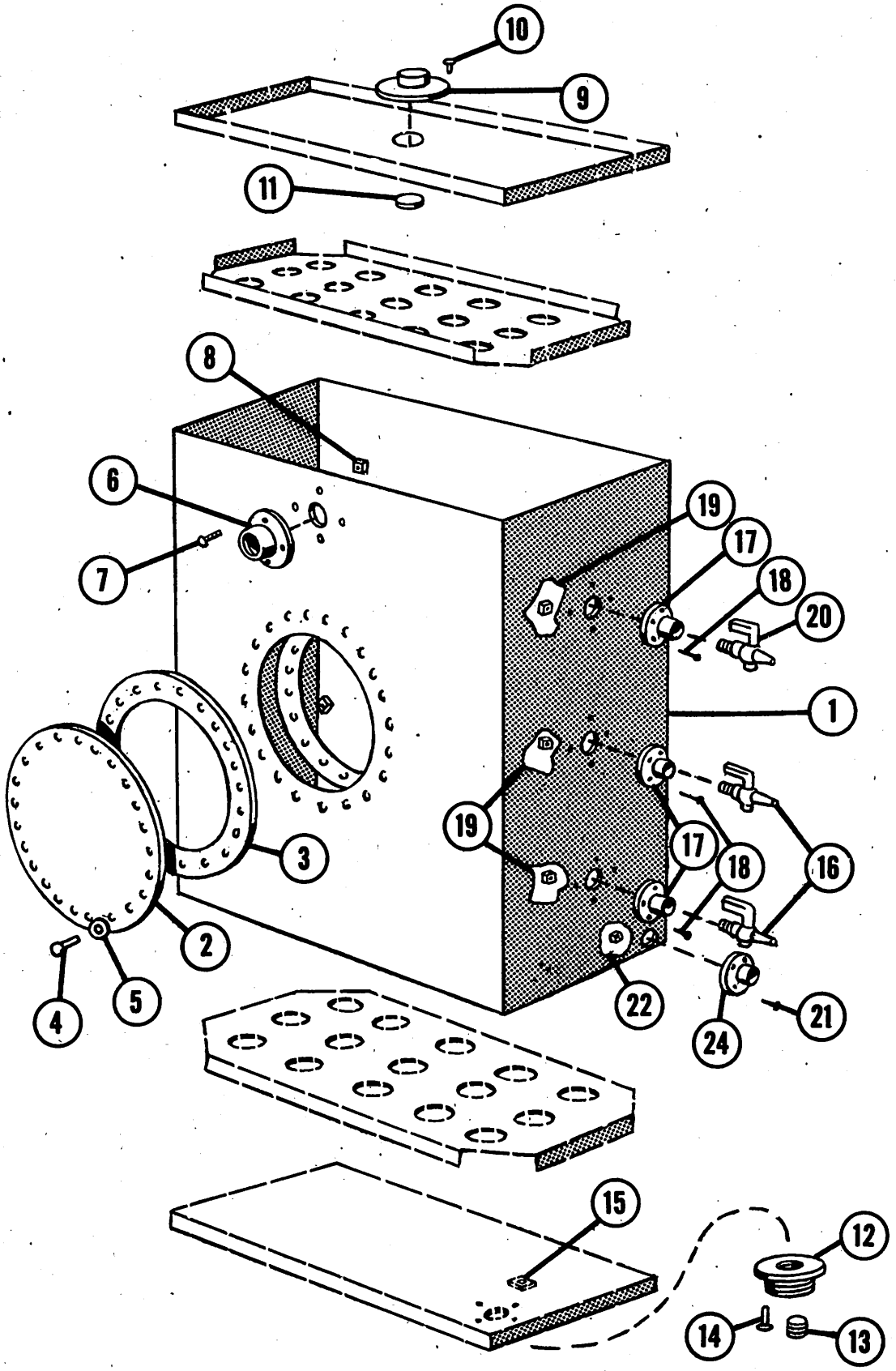


Figure 28—Fresh Water Tank Assembly

FRESH WATER AND SANITATION SYSTEM

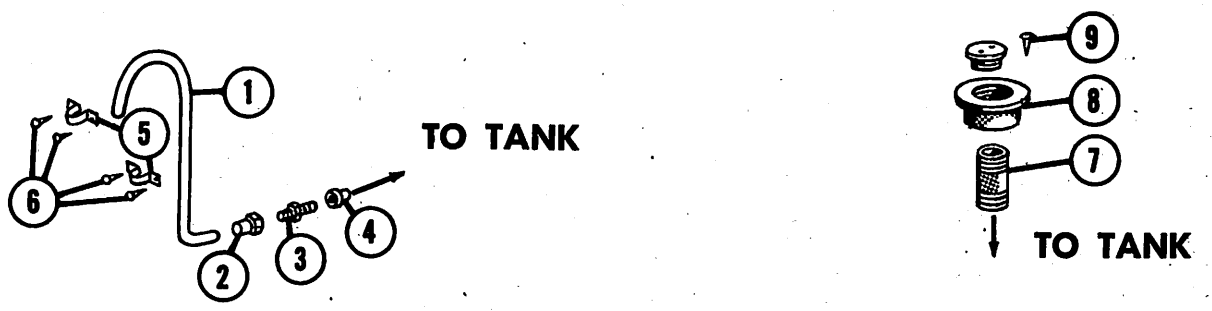


Figure 29—Vent and Tank Filler Line Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			FRESH WATER TANK ASSEMBLY	
			Fresh Water and Sanitation System	
28			Tank Assy—Fresh water (dwg 416-69)	2
28- 1	416-69		Tank—Fresh water construction galv steel 20 gage	1
28	No Number		Cover Assy—Handhole (dwg 416-69)	1
2	416-69-7		Cover—Handhole galv steel 1/8 x 12 in. dia	1
3	416-69-6		Gasket—Handhole cork 1/8 x 12 in. dia	1
4	Comm		Screw—RH machine galv steel 1/4-20 x 3/4 in.	16
5	Comm		Washer—Flat galv steel 1/4 in. ID std	16
6	Comm		Flange—Pipe floor galv steel 1 1/2 in. IPS	1
7	Comm		Screw—FH machine galv steel 3/8 in. IPS	4
8	Comm		Nut—Hex galv steel 1/4 in.-20	4
9	Comm		Flange—Pipe floor galv steel 1 1/2 in. IPS	1
10	Comm		Screw—FH machine galv steel 5/16 x 1/2 in.	4
11	Comm		Nut—Hex galv steel 5/16 x 1/2 in.	4
12	Comm		Flange—Pipe floor galv steel 1 in. IPS	1
13	Comm		Plug—Sq hd pipe galv steel 1 in. IPS	1
14	Comm		Screw—FH machine galv steel 1/4-20 x 12 in.	4
15	Comm		Nut—Hex galv steel 1/4 in.-20	4
28		(a)	Petcock and Flange Assy	3
16	700		Petcock—Brass 1/4 in. IPS (Crane)	1
17	Comm		Flange—Pipe floor galv steel 1 1/2 in. IPS	1
18	Comm		Screw—FH machine galv steel 1/4-20 x 1/2 in.	4
19	Comm		Nut—Hex galv steel 1/4 in.-20	1
20	Comm		Flange—Pipe floor galv steel 3/8 in. IPS	1
21	Comm		Screw—FH machine galv steel 1/4 20 x 1 1/2 in.	4
22	Comm		Nut—Hex galv steel 1/4 in.-20	4
			VENT AND TANK FILTER LINE ASSEMBLY	
29		(a)	Line Assy—Vent tank (dwg 416-69)	1
29- 1			Tubing—Copper 1/4 OD x .032 in. wall (Spec. No. WW-T-799)	AR
2	Comm		Nut—Flare tube brass 1/4 in. IPS	1
	V1-44		Union—Brass 1/4 in. flare to 1/8 in. male pipe (Kerotest)	1
4			Bushing—Reducing pipe brass 1/8 x 1/4 in. IPS	1
5			Strap—Tube copper 1/4 in.	2
6			Screw—RH wood brass 3/4 in. x No. 6	4
29		(a)	Line Assy—Filler	
7			Nipple—Pipe brass 1 1/2 IPS x 3 1/2 in.	1
8	985		Plate—Deck brass 1 1/2 in. IPS (Willis)	1
9			Screw—FH wood brass 3/4 in. No. 8	4
	Comm		Rivet—Tinner's No. 5	AR
			Inhibitive—Rust Navy formula No. 84	AR
			Wicking—Cotton	AR
			Paint—White Navy formula No. 80	AR
			Solder—50-50 (lead-tin)	AR

(a) *Non-procurable.*

FRESH WATER AND SANITATION SYSTEM

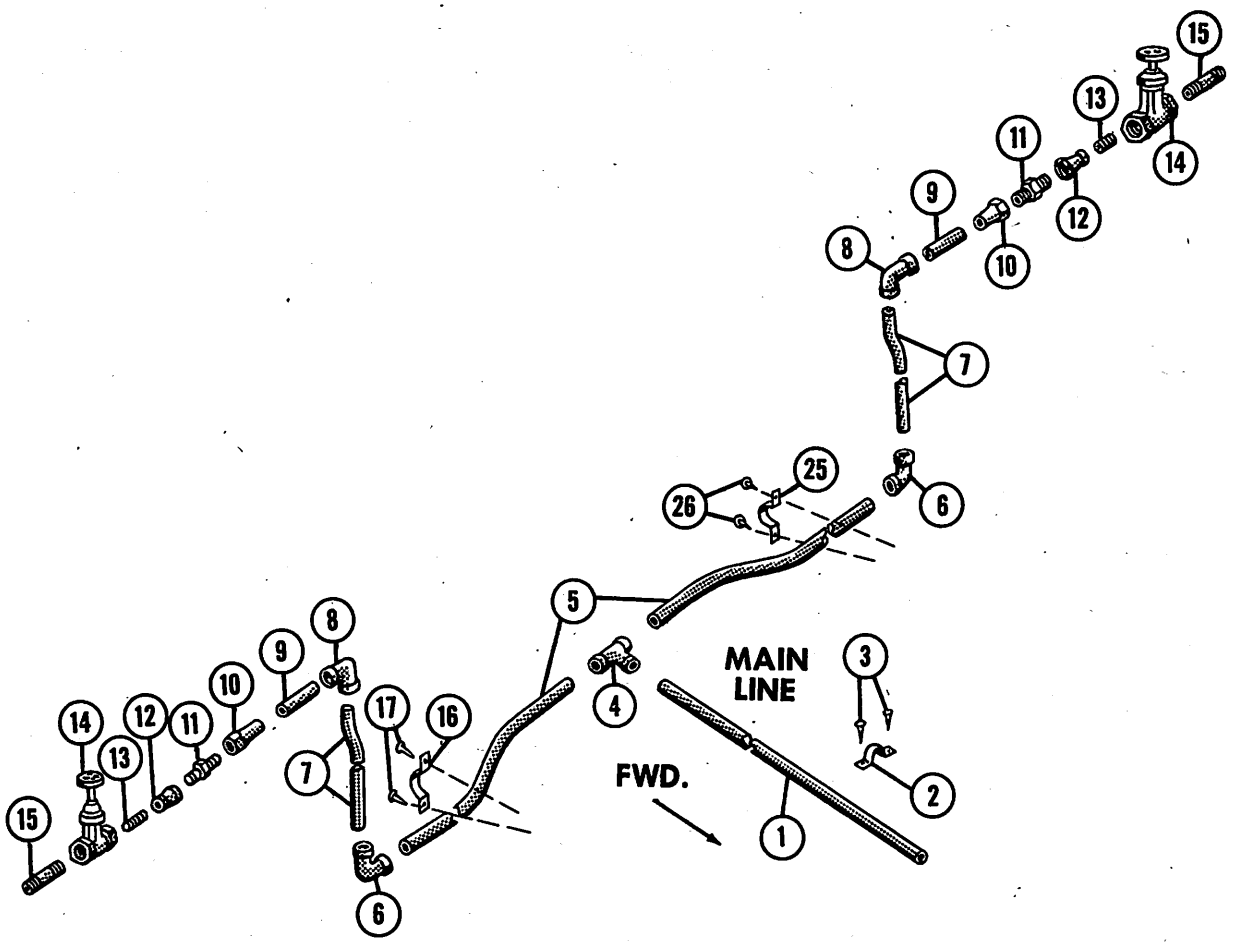


Figure 30—Tank to Main Line Piping Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		TANK TO MAIN LINE PIPING ASSEMBLY	
30	(a)	Piping Assy—Tank to main line (dwg 416-32) *	1
30- 1	Comm	Tubing—Copper ⅝ OD x .028 in wall (Spec. No. WW-T-799)	AR
2		Strap—Tube copper ⅝ in.	22
3		Screw—RH wood brass ⅓ in. x No. 6	44
4	1611	Tee—Sweat tube ⅜ in. nominal (Amer. Br)	3
5	Comm	Tubing—Copper ⅝ OD x .028 in. wall (Spec. No. WW-T-799)	AR
6	4102	Elbow—90° C to C copper ½ in wall nominal (Chase Brass)	2
7	Comm	Tubing—Copper ⅝ OD x .028 in. wall (Spec. No. WW-T-799)	AR
8	4102	Elbow—90° C to C copper ½ in. wall nominal (Chase Brass)	2
9	Comm	Tubing—Copper ⅝ OD x .028 in. wall (Spec. No. WW-T-799)	AR
10	N2-10	Nut—Flare tube brass ⅝ in. (Kerotest)	2
11	U1-10D	Union—Brass ⅜ in. male pipe x ⅝ in. male fitting (Kerotest)	2
12		Coupling—Reducing brass ½ in. female pipe x ⅝ in. female	2
13		Nipple—Close pipe brass ⅝ in. IPS	2
14	*449 1-2	Valve—Gate brass ⅝ in. IPS (Crane)	2
15		Nipple—Pipe brass ⅝ IPS x 2 in.	2
16		Strap—Tube copper ⅝ in.	8
17		Screw—RH wood brass ⅓ in. x No. 6	16

(a) *Non-procurable.*
* *Size to be specified when ordering.*

FRESH WATER AND SANITATION SYSTEM

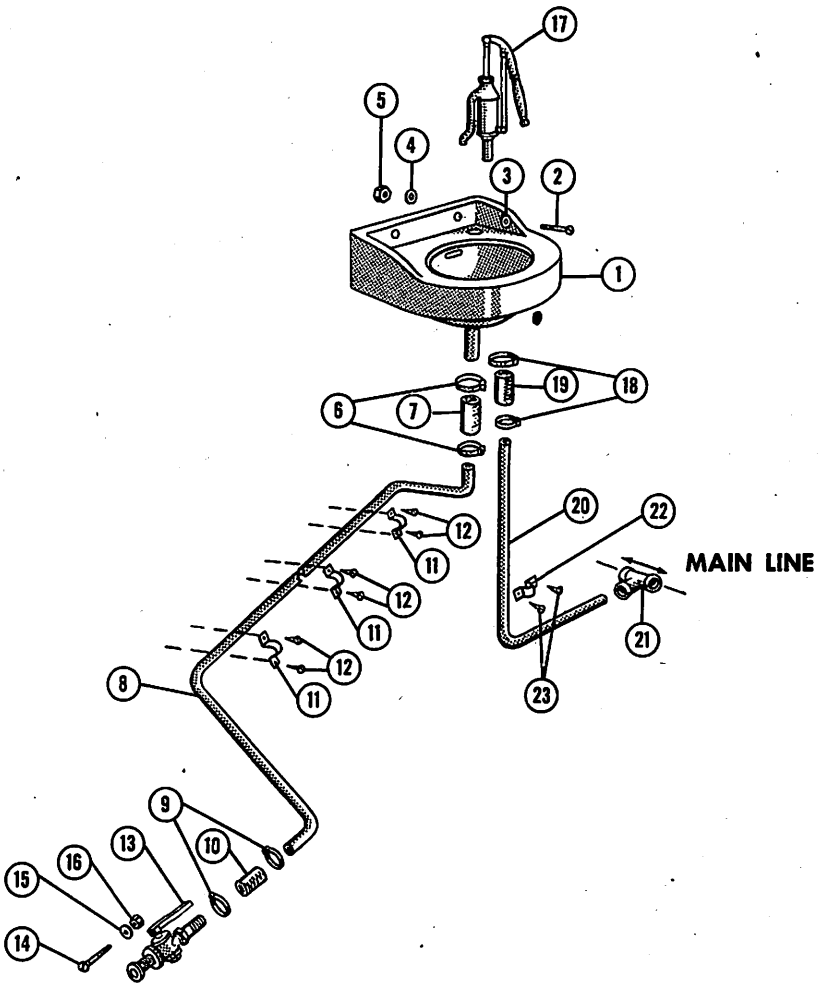


Figure 31—Officers' Lavatory, Drain, Pump, and Water Line Assembly

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			OFFICERS' LAVATORY, DRAIN, PUMP, AND WATER LINE ASSEMBLY	
31		(a)	Lavatory, Drain, Pump, and Water Line Assy—Officers' (dwg 416-32)	1
31- 1	3060		Lavatory Assy—Officers' enamel steel (Willis)	1
2			Screw—FH machine galv ¼-20 x 3 in.	2
3			Washer—Countersunk galv ¼ in.	2
4			Washer—Flat galv ¼ in.	2
5			Nut—Hex galv ¼-20	2
31		(a)	Drain Assy—Lavatory	1
6			Clamp—Hose stainless steel 5 in. long	2
7	No Number		Hose—Rubber 3-ply ¾ ID x 3 in. (Spec. No. 3205) (Goodyear)	1
8	Comm		Tubing—Copper ¾ OD x .032 in. wall (Spec. No. WW-T-799)	AR
9			Clamp—Hose stainless steel 5 in. long	2
10	No Number		Hose—Rubber 3-ply ¾ ID x 3 in. (Spec. No. 3205) (Goodyear)	1
11			Strap—Tube copper ¾ in.	3
12			Screw—RH wood brass ½ in. x No. 6	6
13	*4276		Sea Cock—Straight tail piece bronze ¾ in. IPS (Willis)	1
14			Screw—RH machine silicon bronze ¼-20 x 2 in.	4
15			Washer—Flat silicon bronze ¼ in.	4
16			Nut—Hex silicon bronze ¼ in.-20	4
17	6500		Pump Assy—Long spout (Willis)	1
31		(a)	Line Assy—Water	1
18			Clamp—Hose stainless steel 4 in. long	2
19	No Number		Hose—Rubber 3-ply ⅝ in. ID x 3 in. (Spec. No. 3205) (Goodyear)	1
20	Comm		Tubing—Copper ⅝ OD x .028 in. wall (Spec. No. WW-T-799)	AR
21	1611		Tee—Sweat tube ½ in. nominal (Amer. Br)	1
22			Strap—Tube copper ⅝ in.	1
23			Screw—RH wood brass ½ in. No. 6	2

(a) *Non-procurable.*
* *Size to be specified when ordering.*

FRESH WATER AND SANITATION SYSTEM

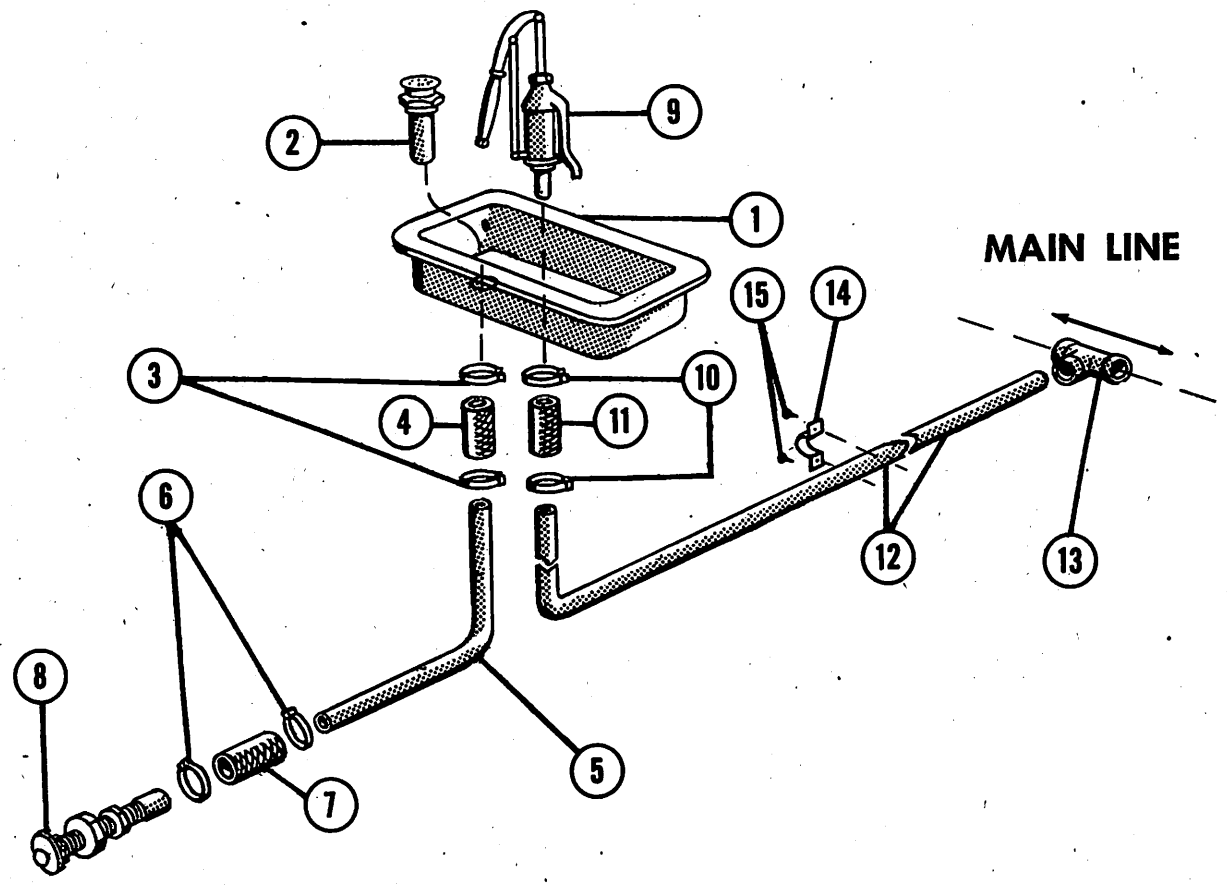


Figure 32—Galley Sink, Drain, Pump, and Water Line Assembly

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			GALLEY SINK, DRAIN, PUMP, AND WATER LINE ASSEMBLY	
32		(a)	Sink, Drain, Pump, and Water Line Assy—Galley (dwg 416-32)	1
32- 1	1913		Sink—Galley without fittings (Willis)	1
		(a)	Drain Assy—Sink	1
2	1913S		Drain and Strainer—Brass 1½ IPS x 1 in. (Willis)	2
3			Clamp—Hose stainless steel 6 in. long	1
4	No Number		Hose—Rubber 3-ply 1½ ID x 3 in. (Spec. No. 3748) (Goodyear)	AR
5	Comm		Tubing—Copper 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	2
6			Clamp—Hose stainless steel 6 in. long	1
7	No Number		Hose—Rubber 3-ply 1½ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
8	1892		Fitting—Thru hull bronze 1 in. IPS (Willis)	1
9	6500A		Pump Assy—Short spout (Willis)	1
32		(a)	Water Line Assy	2
10			Clamp—Hose stainless steel 4 in. long	1
11	No Number		Hose—Rubber 3-ply ⅝ ID x 3 in. (Spec. No. 3205) (Goodyear)	AR
12	Comm		Tubing—Copper ⅝ OD x .028 in. wall (Spec. No. WW-T-799)	1
13	1611		Tee—Sweat tube ½ in. nominal (Amer. Br)	1
14			Strap—Tube copper ⅝ in	2
15			Screw—RH wood brass ½ in. No. 6	

(a) *Non-procurable.*

FRESH WATER AND SANITATION SYSTEM

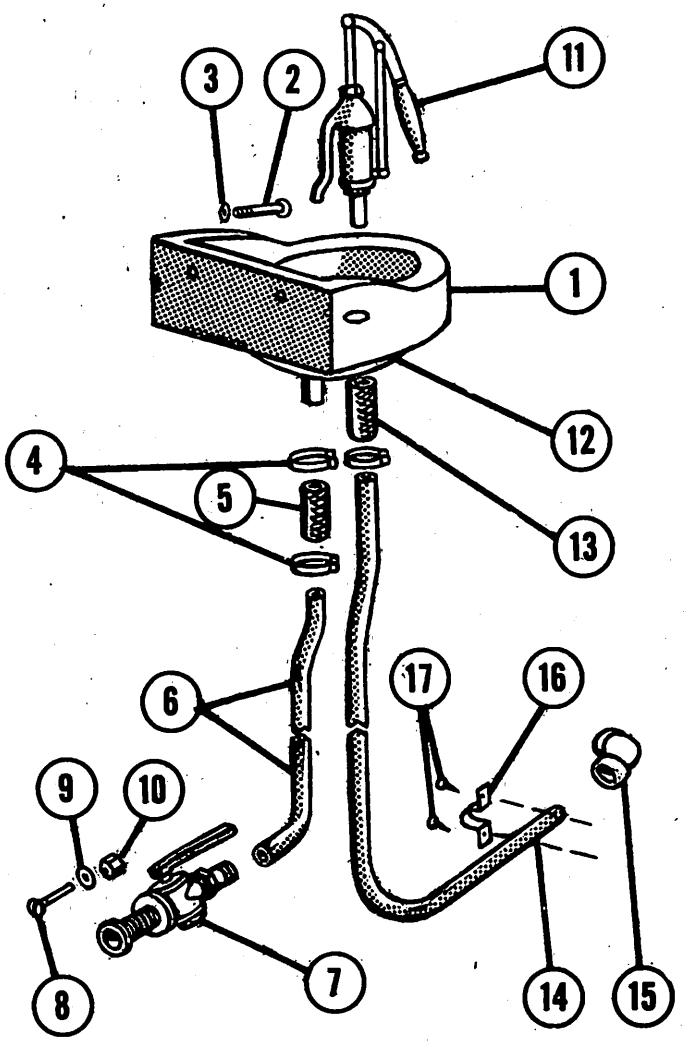


Figure 33—Crew's Lavatory, Drain, Pump, and Water Line Assembly

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			CREW'S LAVATORY, DRAIN, PUMP, AND WATER LINE ASSEMBLY	
33		(a)	Lavatory, Drain, Pump, and Water Line Assy—Crew's (dwg 416-32)	1
33- 1	3060		Lavatory Assy—Crew's enamel steel (Willis)	1
2			Screw—FH wood galv 1¼ in. No. 12	2
3			Washer—Countersunk galv ¼ in.	2
		(a)	Drain Assy—Lavatory	1
4			Clamp—Hose stainless steel 5 in. long	2
5	No Number		Hose—Rubber 3-ply ¾ ID x 3 in. (Spec. No. 3205) (Goodyear)	1
6	Comm		Tubing—Copper ¾ OD x .032 in. wall (Spec. No. WW-T-799)	AR
7	*4276		Sea Cock—Straight tail piece bronze ¾ in. IPS (Willis)	1
8			Screw—FH machine silicon bronze ¼-20 x 2 in.	4
9			Washer—Flat silicon bronze ¼ in.	4
10			Nut—Hex silicon bronze ¼ in.-20	4
11	6500		Pump Assy—Long spout (Willis)	1
33		(a)	Water Line Assy	1
12			Clamp—Hose stainless steel 1 in. long	2
13	No Number		Hose—Rubber 3-ply ⅝ ID x 3 in. (Spec. No. 3205) (Goodyear)	1
14	Comm		Tubing—Copper ⅝ OD x .028 in. wall (Spec. No. WW-T-799)	AR
15	4102		Elbow—90° C to C copper ½ in. nominal (Chase Brass)	1
16			Strap—Tube copper ⅝ in.	1
17			Screw—RH wood brass ½ in. x No. 6	2

(a) *Non-procurable.*
* *Size to be specified when ordering.*

FRESH WATER AND SANITATION SYSTEM

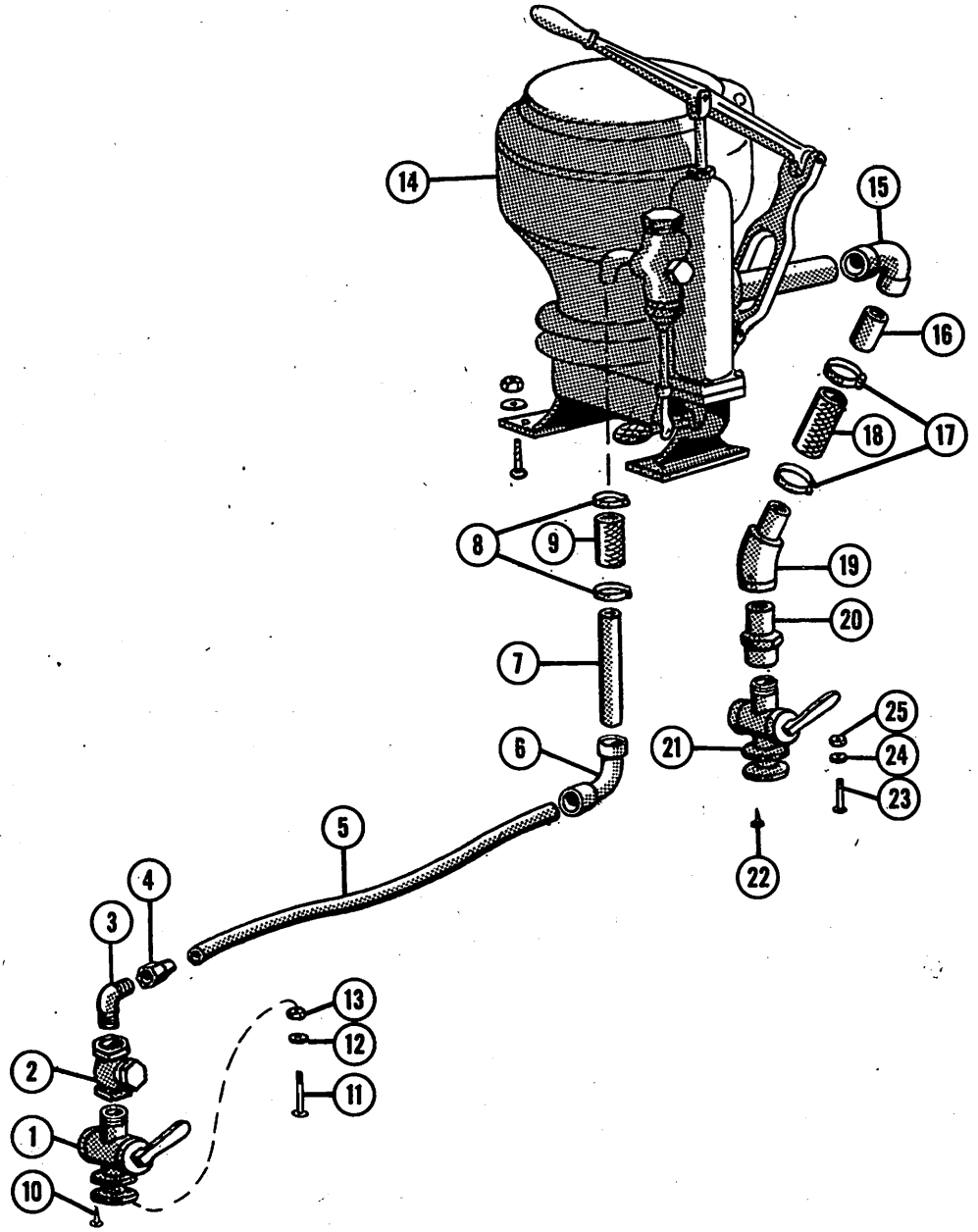


Figure 34—Water Closet and Piping Assembly, RH

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		WATER CLOSET AND PIPING ASSEMBLY RH	
34		(a) Water Closet and Piping Assy—RH (dwg 416-33)	1
34		(a) Piping Assy—Water inlet	1
34- 1	*4275	Sea Cock—Bronze ¾ in. IPS (Willis)	1
2	34	Valve—Check brass ¾ in. IPS (Crane)	1
3	E1-12E	Elbow—90° brass flare tube to male pipe ¾ x ¾ in. (Kerotest)	1
4	N2-12	Nut—Flare tube brass ¾ in. (Kerotest)	1
5	Comm	Tubing—Copper ¾ OD x .032 in. wall (Spec. No. WW-T-799)	AR
6	4109	Elbow—90° C to C copper ⅝ x ⅝ in. nominal (Chase Brass)	1
7	Comm	Tubing—Copper ¾ OD x .032 in. wall (Spec. No. WW-T-799)	AR
8		Clamp—Hose stainless steel 5 in. long	2

(a) *Non-procurable.*
* *Size to be specified when ordering.*

FRESH WATER AND SANITATION SYSTEM

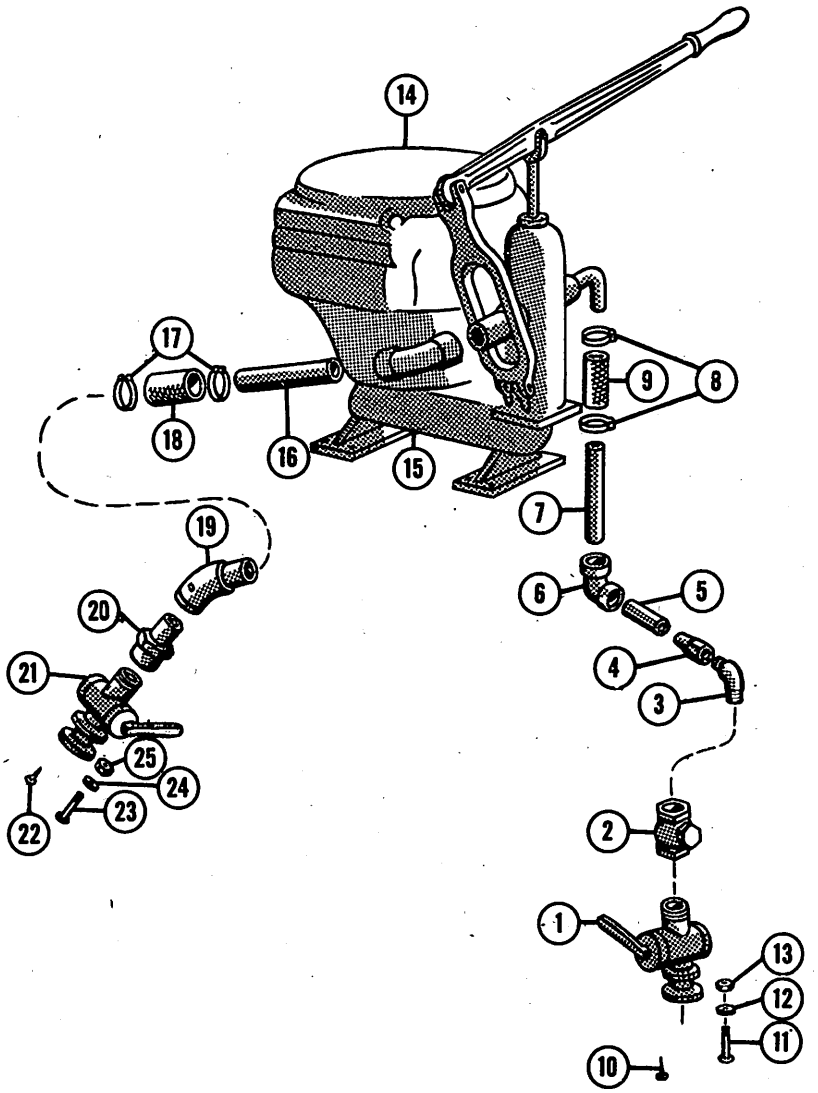


Figure 35—Water Closet and Piping Assembly, LH

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		WATER CLOSET AND PIPING ASSEMBLY RH (CONT'D)	
9	No Number	Hose—Rubber 3-ply ¾ ID x 3 in. (Spec. No. 3205) (Goodyear)	1
10		Screw—FH wood brass ¾ in. x No. 9	4
11		Screw—FH machine bronze No. 10-24 x 2 in.	4
12		Washer—Flat bronze 5/16 in.	4
13		Nut—Hex bronze ¼ in.-20	4
14	4023	Closet Assy—Water RH model D (Willis)	1
	(a)	Piping Assy—Closet outlet	1
15	3533	Elbow—90° C to C copper 1½ in. nominal (Chase Brass)	1
16	Comm	Tubing—Copper 1⅝ OD x .060 in. wall (Spec. No. WW-T-799)	AR
17		Clamp—Hose stainless steel 8 in. long	2
18	No Number	Hose—Water 3-ply rubber 1⅝ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
19	3706	Elbow—45° copper fitting to copper 1½ in. nominal (Chase Brass)	1
20	2043	Adapter—Copper fitting to female pipe 1½ IPS x 1½ in. nominal (Chase Brass)	1
21	*4276	Sea Cock—Bronze 1½ in. IPS (Willis)	1
22		Screw—FH wood brass ¾ in. x No. 9	4
23		Screw—FH machine bronze ¼-20 x 2 in.	4
24		Washer—Flat bronze ¼ in.	4
25		Nut—Hex bronze ¼ in.-20	4

(a) *Non-procurable.*
* *Size to be specified when ordering.*

FRESH WATER AND SANITATION SYSTEM

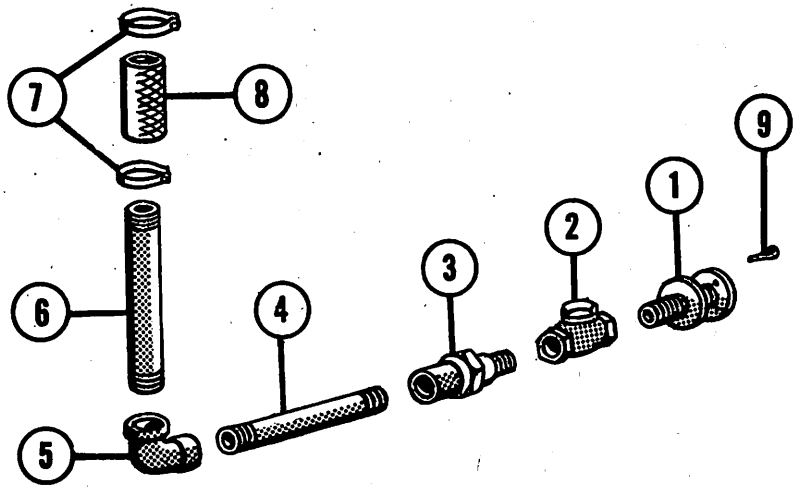


Figure 36—Ice Box Drain Piping Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			WATER CLOSET AND PIPING ASSEMBLY LH	
35		(a)	Water Closet and Piping Assy—LH (dwg 416-33)	1
35		(a)	Piping Assy—Water inlet	1
35- 1	*4275		Sea Cock—Bronze ¾ in. IPS (Willis)	1
2	34		Valve—Check brass ¾ in. IPS (Crane)	1
3	E1-12E		Elbow—90° flare tube to male pipe brass ¾ x ¾ in. (Kerotest)	1
4	N2-12		Nut—Flare tube brass ¾ in. (Kerotest)	1
5	Comm		Tubing—Copper ¾ OD x .032 in. wall (Spec. No. WW-T-799)	AR
6	4109		Elbow—90° C to C copper ⅝ x ⅝ in. nominal (Chase Brass)	1
7	Comm		Tubing—Copper ¾ OD x .032 in. wall (Spec. No. WW-T-799)	AR
8			Clamp—Hose stainless steel 5 in. long	2
9	No Number		Hose—Water 3-ply rubber ¾ ID x 3 in. (Spec. No. 3205) (Goodyear)	1
10			Screw—FH wood brass ¾ in. x No. 9	4
11			Screw—FH machine bronze No. 10-24 x 2 in.	4
12			Washer—Flat bronze ⅛ in.	4
13			Nut—Hex bronze ⅛ in.	4
14			Closet Assy—Water LH model D (Willis)	1
35		(a)	Piping Assy—Closet outlet	1
15			Elbow—45° copper fitting to copper 1½ in. nominal (Chase Brass)	1
16	Comm		Tubing—Copper 1⅝ OD x .060 in. wall (Spec. No. WW-T-799)	AR
17			Clamp—Hose stainless steel 8 in. long	2
18	No Number		Hose—Water 3-ply rubber 1⅝ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
19	3706		Elbow—45° copper fitting to copper 1½ in. nominal (Chase Brass)	1
20	2043		Adapter—Copper fitting to female pipe 1½ IPS x 1½ in. nominal (Chase Brass)	1
21	*4276		Sea Cock—Bronze 1¼ in. IPS (Willis)	1
22			Screw—FH wood brass ¾ in. x No. 9	4
23			Screw—FH machine bronze ¼-20 x 2 in.	4
24			Washer—Flat bronze ¼ in.	4
25			Nut—Hex bronze ¼ in.-20	4
			ICE BOX DRAIN PIPING ASSEMBLY	
36	No Number	(a)	Piping Assy—Ice box drain (dwg 416-32)	1
1	1892		Fitting—Thru hull open bronze ¾ in. (Willis)	1
2	34		Valve—Check brass ¾ in. IPS (Crane)	1
3	2032		Union—Copper to male pipe brass ¾ in. nominal x ¾ in. male pipe (Chase Brass)	1
4	Comm		Tubing—Copper ⅜ OD x .032 in. wall (Spec. No. WW-T-799)	AR
5	4104		Elbow—90° C to C copper ¾ in. nominal (Chase Brass)	1
6	Comm		Tubing—Copper ⅜ OD x .032 in. wall (Spec. No. WW-T-799)	AR
7			Clamp—Hose stainless steel 5 in. long	2
8	No Number		Hose—Water 3-ply rubber ⅜ ID x 3 in. (Spec. No. 3205) (Goodyear)	1
9			Screw—FH wood brass ¾ in. x No. 9	4

(a) *Non-procurable.*
* *Size to be specified when ordering.*

BILGE DRAIN SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			BILGE PUMP ASSEMBLY	
	No Number		Bilge Drain System (dwg 416-25)	1
	31217		Bilge Pump Assy (Deming)	1
			Pump—Bilge self-priming centrifugal 1¼ IPS x 1¼ IPS in. (Deming)	1
	3302		Motor—Electric ¼ hp 24-volt model 3302, 1750 rpm (Deming)	1
	31217-2		Nut—Slinger lock (Deming)	1
	31217-3		Sleeve—Shaft (Deming)	1
	31217-4		Shaft—Motor	1
	Comm		Screw—Cap hex hd (Deming No. 31217-5)	4
	31217-6		Spring—Helical	1
	Comm		Cup—Grease sleeve nipple (Deming No. 31217-7)	1
	31217-8		Casing (Deming)	1
	31217-9		Valve—(Deming)	1
	31217-10		Head—Suction (Deming)	1
	Comm		Screw—Cap hex hd (Deming No. 31217-11)	1
	31217-12		Plate—Valve (Deming)	1
	31217-13		Washer—Valve (Deming)	1
	Comm		Plug—Pipe (Deming No. 31217-14)	1
	Comm		Screw—Set (Deming No. 31217-15)	1
	31217-16		Impeller (Deming)	1
	Comm		Screw—Fil-hd cap (Deming 31217-17)	3
	31217-18		Plate—Impeller back (Deming)	1
	31217-19		Stud (Deming)	4
	Comm		Nut—Hex (Deming No. 31217-20)	1
	Comm		Plug—Pipe drain (Deming No. 31217-21)	1
	31217-22		Head—Stuffing box (Deming)	1
	Comm		Screw—Cap hex hd (Deming No. 31217-23)	3
	31217-24		Ring—Protector (Deming)	2
	31217-25		Ring—Friction (Deming)	2
	31217-26		Ring—Seal (Deming)	2
	31217-27		Cover—Rotary seal (Deming)	2
	31217-28		Gasket—Head suction (Deming)	1
	31217-29		Gasket—Rotary seal cover	2
	31217-30		Gasket—Casing	1
	31217-31		Pin—Valve (Deming)	1
	Comm		Plug—Pipe (Deming No. 31217-32)	1
	31217-33		Stud and Nut	4
	Comm		Plug—Pipe (Deming No. 31217-34)	1
	Comm		Plug—Pipe (Deming No. 31217-35)	1
			Screw—Hex hd machine galv 2 x ⅓ in.-13	4
			Washer—Flat galv ⅓ in. ID standard	4
			Nut—Square galv ⅓ in.-13	4
			CENTRIFUGAL BILGE PUMP OVERBOARD DISCHARGE AND BILGE PUMP TO MAIN LINE PIPING ASSEMBLY	
37		(a)	Centrifugal Bilge Pump Overboard Discharge and Bilge Pump to Main Line Piping Assy	1
37		(a)	Discharge Assy—Centrifugal bilge pump overboard	1
37- 1			Elbow—90° brass 1¼ in. IPS	1
2	3901		Adapter—Bronze 1¼ in. sweat fitting x 1¼ in. male pipe (Chase Brass)	1
3	No Number		Hose—Water 3-ply rubber 1⅜ OD x .042 x 3 in. length (Spec. No. 3748) (Goodyear)	1
4			Clamp—Hose stainless steel ½ x 6 in. length	2
5	Comm		Tubing—Copper hard 1⅜ OD x .042 in. wall (Spec. No. WW-T-799)	AR
6			Elbow—45° copper 1¼ in. sweat copper	1
7	Comm		Tubing—Copper hard 1⅜ OD x .042 in. wall (Spec. No. WW-T-799)	AR
8			Elbow—45° copper 1¼ in. sweat copper	1
9	Comm		Tubing—Copper hard 1⅜ OD x .042 in. wall (Spec. No. WW-T-799)	AR
10	No Number		Hose—Water 3-ply rubber 1⅜ OD x .042 in. wall (Spec. No. 3748) (Goodyear)	1
11	Comm		Clamp—Hose stainless steel ½ x 6 in. length	2
12	*4276		Sea Cock—Straight tailpiece bronze 1¼ in. IPS (Willis)	1
13			Screw—FH machine bronze ¾ x ¼ in.-20	4
14			Nut—Hex bronze ¼ in.-20	4
15			Washer—Flat bronze ¼ in.	4
16			Screw—FH wood brass ¾ x No. 9	4
37		(a)	Piping Assy—Centrifugal bilge pump to main line	1
17			Elbow—Street bronze 1¼ in. IPS	1
18	3901		Adapter—Bronze 1¼ sweat fitting x 1¼ male pipe (Chase Brass)	1
19	Comm		Clamp—Hose stainless steel ½ x 6 in.	2
20	No Number		Hose—Water 3-ply rubber 1⅜ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
21	4181		Elbow—90° copper 1¼ sweat fitting (Chase Brass)	1
22	Comm		Clamp—Hose stainless steel ½ x 6 in.	2
23	No Number		Hose—Water 3-ply rubber ⅜ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
24	Comm		Tubing—Copper hard 1¾ OD x .042 in. wall (Spec. No. WW-T-799)	AR
25	3525		Elbow—90° copper 1¼ in. sweat copper (Chase Brass)	1
26	Comm		Tubing—Copper hard 1¾ OD x .042 in. wall (Spec. No. WW-T-799)	AR
27	2975		Valve—Check bronze 1 in. sweat copper (Chase Brass)	1
28	Comm		Tubing—Copper hard 1⅜ OD x .042 in. wall (Spec. No. WW-T-799)	AR
37-29	Comm		Clamp—Hose stainless steel ½ x 6 in.	2
30	No Number		Hose—Water 3-ply rubber 1⅜ x 3 in. (Spec. No. 3748) (Goodyear)	1
31	4181		Elbow—90° copper 1¼ in. sweat fitting (Chase Brass)	1
32	4187		Tee—Copper 1¼ x 1¼ x 1¼ in. sweat copper (Chase Brass)	1

(a) *Non-procurable.*
* *Size to be specified when ordering.*

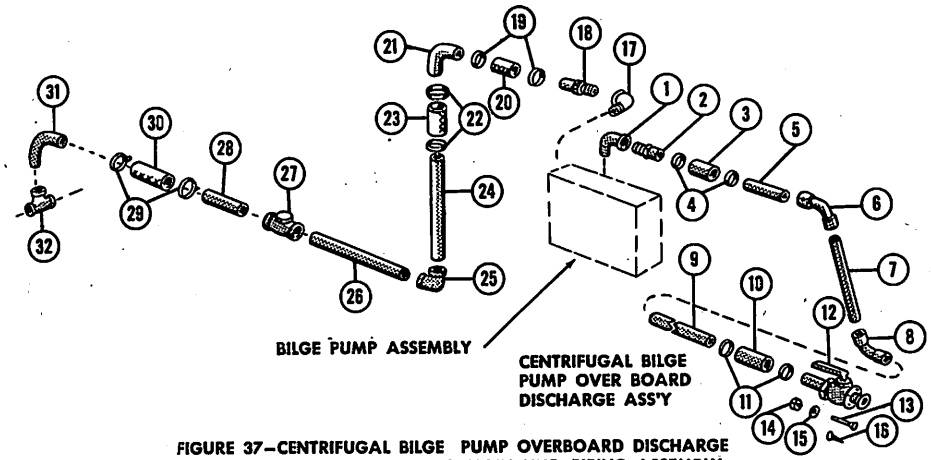


FIGURE 37–CENTRIFUGAL BILGE PUMP OVERBOARD DISCHARGE AND BILGE PUMP TO MAIN LINE PIPING ASSEMBLY

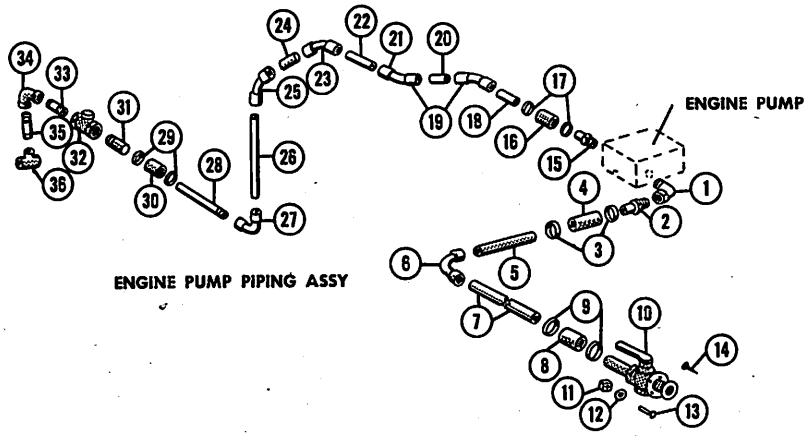


FIGURE 38–ENGINE BILGE PUMP OVER BOARD DISCHARGE AND BILGE PUMP TO MAIN LINE PIPING ASSEMBLY

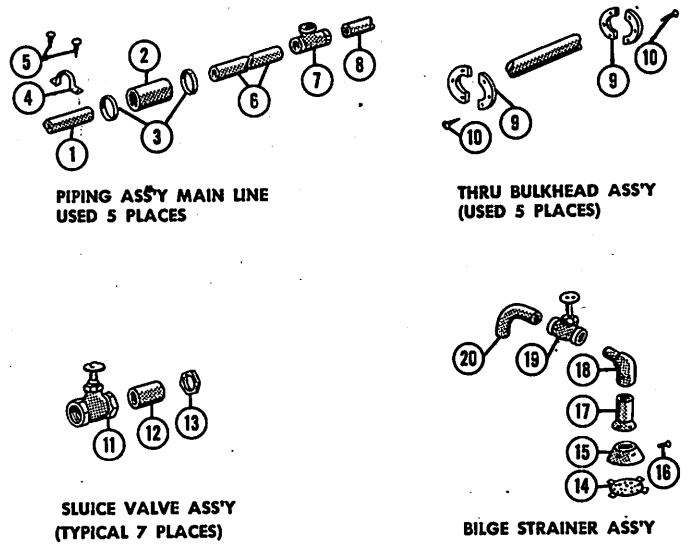


FIGURE 39–MAIN LINE VALVE AND PIPING ASSEMBLY

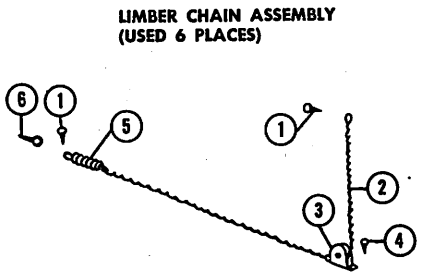


FIGURE 40–LIMBER CHAIN ASSEMBLY

BILGE DRAIN SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER		NOMENCLATURE	UNITS PER ASSY
			ENGINE BILGE PUMP OVERBOARD DISCHARGE AND BILGE PUMP TO MAIN LINE PIPING ASSEMBLY	
38		(a)	Engine Bilge Pump Overboard Discharge and Bilge Pump to Main Line Piping Assy	1
38		(a)	Piping Assy—Engine bilge pump overboard discharge	1
38- 1	Comm		Elbow—90° street brass 1 in. IPS	1
2	4403		Adapter—1 in. sweat fitting and 1 in. male pipe (Chase Brass)	1
3	Comm		Clamp—Hose stainless steel ½ x 6 in.	2
4	Comm		Hose—Water 3-ply rubber 1⅜ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
5	Comm		Tubing—Copper hard 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	AR
6	4105		Elbow—90° copper 1 in. sweat copper (Chase Brass)	1
7	Comm		Tubing—Copper hard 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	AR
8	No Number		Hose—Water 3-ply rubber 1⅜ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
9	Comm		Clamp—Hose stainless steel ½ x 6 in.	2
10	*4276		Sea Cock—Straight tailpiece bronze 1 in. IPS (Willis)	1
11	Comm		Nut—Hex bronze ¼ in.-20	4
12	Comm		Washer—Flat bronze ¼ in.	4
13	Comm		Screw—FH machine bronze 3 in. x ¼-20	4
14	Comm		Screw—FH wood brass ¾ in. x No. 9	4
38		(a)	Piping Assy—Engine bilge pump to main line	1
15	4403		Adapter—Bronze 1 in. sweat fitting x 1 in. male pipe	1
16	No Number		Hose—Water 3-ply rubber 1⅜ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
17	Comm		Clamp—Hose stainless steel ½ x 6 in.	2
18	Comm		Tubing—Copper hard 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	AR
19	4117		Elbow—45° copper 1 in. sweat copper (Chase Brass)	1
20	Comm		Tubing—Copper hard 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	AR
21	4117		Elbow—45° copper 1 in. sweat copper (Chase Brass)	1
22	Comm		Tubing—Copper hard 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	AR
23	4117		Elbow—45° copper 1 in. sweat copper (Chase Brass)	1
24	Comm		Tubing—Copper hard 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	AR
25	4117		Elbow—45° copper 1 in. sweat copper (Chase Brass)	1
26	Comm		Tubing—Copper hard 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	AR
27	4105		Elbow—90° copper 1 in. sweat copper (Chase Brass)	1
28	Comm		Tubing—Copper hard 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	AR
29	Comm		Clamp—Hose stainless steel ½ x 6 in.	2
30	No Number		Hose—Water 3-ply rubber 1⅜ ID x 3 in. (Spec. No. 3748) (Goodyear)	1
31	Comm		Tubing—Copper hard 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	AR
32	2974		Valve—Check brass 1 in. sweat copper (Chase Brass)	1
33	Comm		Tubing—Copper hard 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	AR
34	4229		Elbow—90° copper 1 in. sweat fitting (Chase Brass)	1
35	Comm		Tubing—Copper hard 1⅛ OD x .035 in. wall (Spec. No. WW-T-799)	AR
36	4208		Tee—Copper 1¼ x 1¼ x 1 in. sweat copper (Chase Brass)	1
			MAIN LINE VALVE AND PIPING ASSEMBLY	
39		(a)	Main Line Valve and Piping Assy	1
39		(a)	Piping Assy—Main line	1
1	Comm		Tubing—Copper hard 1⅜ OD x .042 in. wall (Spec. No. WW-T-799)	AR
2	No Number		Hose—Water 3-ply rubber 1⅜ ID x 3 in. (Spec. No. 3748) (Goodyear)	5
3	Comm		Clamp—Hose stainless steel ½ x 6 in.	10
4	Comm		Strap—Tube copper 1⅜ in. OD tube	30
5	Comm		Screw—RH wood brass ⅝ in. x No. 7	60
6	Comm		Tubing—Copper hard 1⅜ OD x .042 in. wall (Spec. No. WW-T-799)	AR
7	4187		Tee—Sweat copper 1¼ x 1¼ x 1⅜ in. (Chase Brass)	6
8	Comm		Tubing—Copper hard 1⅜ OD x .042 in. wall (Spec. No. WW-T-799)	AR
39		(a)	Thru Bulkhead Assy	5
9	Comm		Washer—Split plywood ¼ x 2¾ in. OD	2
10	Comm		Screw—FH wood	12
	Comm		Paste—White lead	AR
	Comm		Wicking—Cotton ball	AR
39		(a)	Valve Assy—Sluice	7
11	*449 1-2		Valve—Gate bronze ¾ in. IPS (Crane)	1
12	Comm		Nipple—Brass 2 in. thread one end 3½ x ¾ in. IPS	1
13	Comm		Nut—Lock ¾ in. IPS	2
	Comm		Paste—White lead	AR
	Comm		Wicking—Cotton ball	AR
39		(a)	Bilge Strainer Assy	7
14			Strainer—Bilge copper 20 oz x 4½ in. dia	1
15	No Number		Funnel—Bilge copper 20 oz x 5 in. dia (dwg 416-25-6) (LM)	1
16	Comm		Rivet—Copper	5
17	Comm		Tubing—Copper hard 1⅜ OD x .042 in. wall (Spec. No. WW-T-799)	AR
18	3532		Elbow—90° street 1¼ in. sweat fitting x 1⅜ in. sweat copper (Chase Brass)	1
39-19	2708		Valve—Gate bronze 1¼ in. sweat copper (Chase Brass)	1
20	4181	(b)	Elbow—90° copper 1¼ sweat fitting (Chase Brass)	AR
			LIMBER CHAIN ASSEMBLY	
40		(a)	Chain Assy—Limber	6
40- 1	Comm		Screw—RH wood bronze 1 in. x No. 9	2
2			Chain—Safety No. 1 80 ft (Turner-Seymour)	1
3	1104		Block—Deck halyard bronze No. 0 (Willis)	1
4	Comm		Screw—FH wood bronze 1½ in. x No. 9	2
5	816		Spring—Coil tension brass ⅛ gage x ⅜ x 4½ in.	1
6	1110		Screw—Eye brass ⅛ in. (Willis)	1

(a) *Non-procurable.*
(b) *There are five elbows of this type for two bilge strainer assemblies do not require elbows.*
* *Size to be specified when ordering.*

FOAMITE FIRE EXTINGUISHING SYSTEM

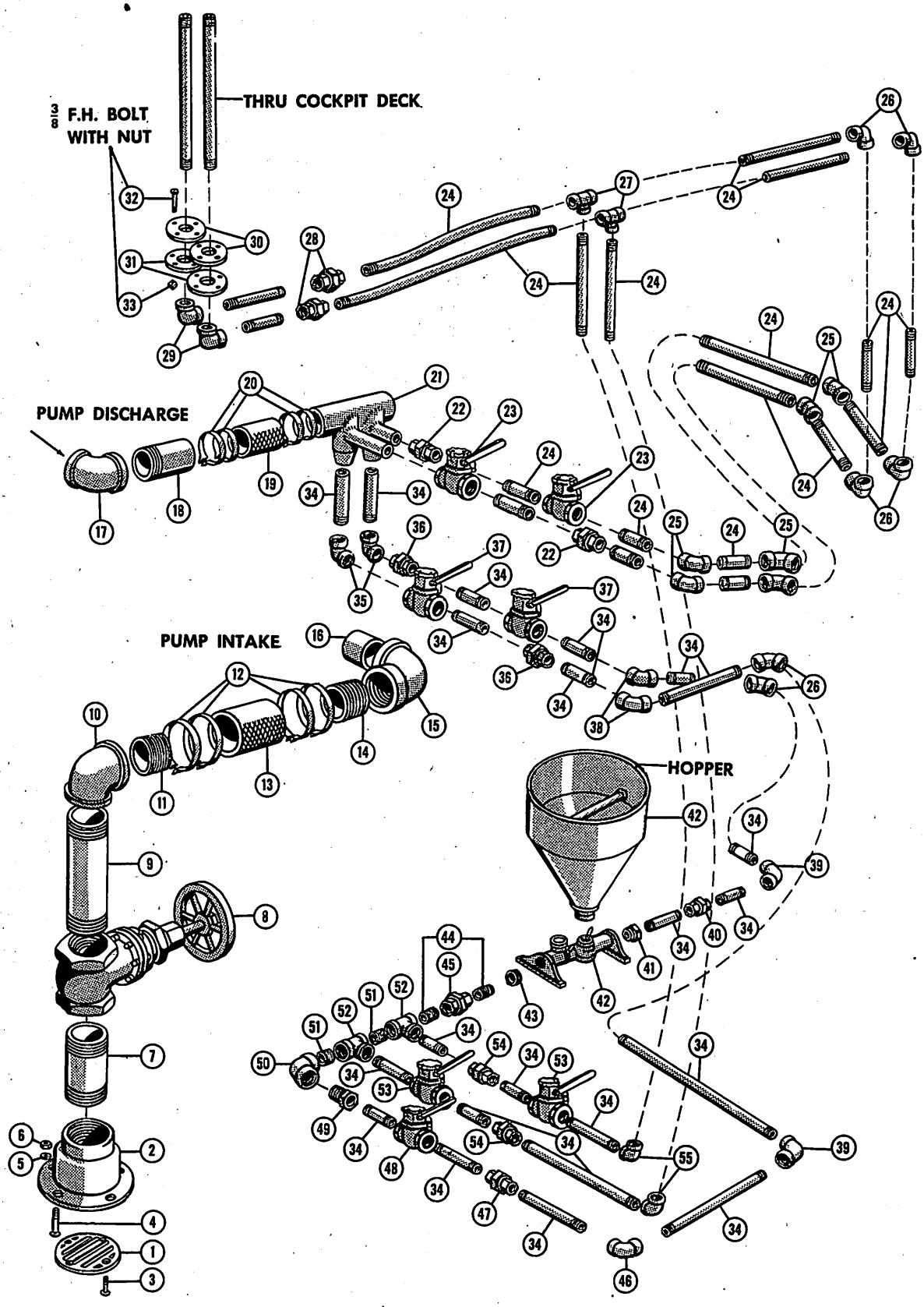


Figure 41—Foam Generator Piping Assembly (below cockpit floor)

FOAMITE FIRE EXTINGUISHING SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			FOAM GENERATOR PIPING ASSEMBLY (BELOW COCKPIT FLOOR)	
			Fire Extinguishing System—Foamite (dwg 379-31)	
41		(a)	Piping Assy—Foam generator below cockpit floor	1
41		(a)	Intake Assy—Pump	1
41		(a)	Strainer Assy—Intake	1
41- 1	379-31		Strainer—Casting bronze	1
2	379-31		Casting—Bell bronze	1
3			Bolt—FH bronze 1/4-20 x 1 in.	4
4			Bolt—FH bronze 5/16-18 x 2 1/2 in.	4
5			Washer—Flat bronze 5/16 in. ID	4
6			Nut—Hex bronze 5/16-18	4
7			Pipe—Brass 3 IPS x 6 in.	1
8	4436		Valve—Gate brass 3 in. (Crane)	1
9			Pipe—Brass 3 IPS x 22 in.	1
10			Elbow—90° brass 3 in. 150 lb pressure	1
11			Nipple—Brass 3 in. IPS	AR
12			Clamp—Hose 3 1/2 in. ID hose	4
13			Hose—Neoprene 3 1/2 in. ID	AR
14			Nipple—Brass 3 in. IPS	AR
15			Elbow—90° malleable iron	1
16			Nipple—Close wrought steel galv 3 x 2 in.	1
41		(a)	Discharge Assy—Pump	1
17			Elbow—90° malleable iron galv 150 lb pressure 2 1/2 in.	1
18			Pipe—Malleable iron thread one end 2 1/2 in. ID	AR
19			Clamp—Hose 2 7/8 in. ID hose	4
20	No Number		Hose—Rubber 2 7/8 in. ID (Spec. No. 3748) (Goodyear)	AR
21	416-116-20		Pipe Assy—Elbow	1
			Pipe—Malleable iron 2 1/2 in.	AR
			Pipe—Wrought iron galv 1 1/2 in. IPS	AR
			Plug—Welded 2 1/2 in. OD	1
22			Union—Malleable iron galv 300 lb pressure 1 1/2 in.	2
23	432		Valve—Gate brass cam action 1 1/2 in. (Crane)	2
24			Pipe—Wrought iron galv 1 1/2 in. IPS	AR
25			Elbow—45° malleable iron galv 150 lb pressure 1 1/2 in.	6
26			Elbow—90° malleable iron galv 150 lb pressure 1 1/2 in.	4
27			Tee—Malleable iron galv 150 lb pressure 1 1/2 x 1 1/2 x 1 1/2 in.	2
28			Union—Malleable iron galv 300 lb pressure 1 1/2 in.	2
29			Elbow—90° malleable iron galv 150 lb pressure 1 1/2 in.	2
30	416-116-12		Box—Stuffing steel or malleable iron galv 1 1/2 x 4 1/2 OD x 1/2 in. thickness	2
31	416-116-11		Box—Stuffing steel or malleable iron galv 1 1/2 x 4 1/2 OD x 1/4 in. thickness	2
32			Bolt—FH bronze 3/8-16 in.	4
33			Nut—Hex bronze 3/8-16	4
34			Pipe—Wrought iron galv 1/2 in. IPS	AR
35			Elbow—90° malleable iron galv 150 lb pressure 1 1/2 in.	2
36			Union—Malleable iron galv 300 lb pressure 1 1/2 in.	2
37	432		Valve—Gate brass cam action 1 1/2 in. (Crane)	2
38			Elbow—45° malleable iron galv 150 lb pressure 1 1/2 in.	4
39			Elbow—90° malleable iron galv 150 lb pressure 1 1/2 in.	2
40			Union—Malleable iron galv 300 lb pressure 1 1/2 in.	1
41			Adapter—Inlet brass (National Foam)	1
42	No Number		Generator—Foam type S-9 with hopper (National Foam)	1
43			Adapter—Outlet brass (National Foam)	1
44			Nipple—Wrought iron galv 2 1/2 in. ID	2
45			Union—Malleable iron galv 2 1/2 in. ID	1
46			Elbow—90° malleable iron galv 150 lb pressure 1 1/2 in.	1
47			Union—Malleable iron galv 300 lb pressure 1 1/2 in.	1
48	432		Valve—Gate brass cam action 1 1/2 in. (Crane)	1
49			Bushing—Malleable iron galv 2 1/2 x 1 1/2 in.	1
50			Elbow—90° malleable iron galv 150 lb pressure 2 1/2 in.	1
51			Nipple—Close steel galv 2 1/2 x 2 in.	2
52			Tee—Malleable iron galv 2 1/2 x 2 1/2 x 1 1/2 in.	2
53	432		Valve—Gate brass cam action 1 1/2 in. (Crane)	2
54			Union—Malleable iron galv 300 lb pressure 1 1/2 in.	2
55			Elbow—90° malleable iron galv 150 lb pressure 1 1/2 in.	2

(a) *Non-procurable.*

FOAMITE FIRE EXTINGUISHING SYSTEM

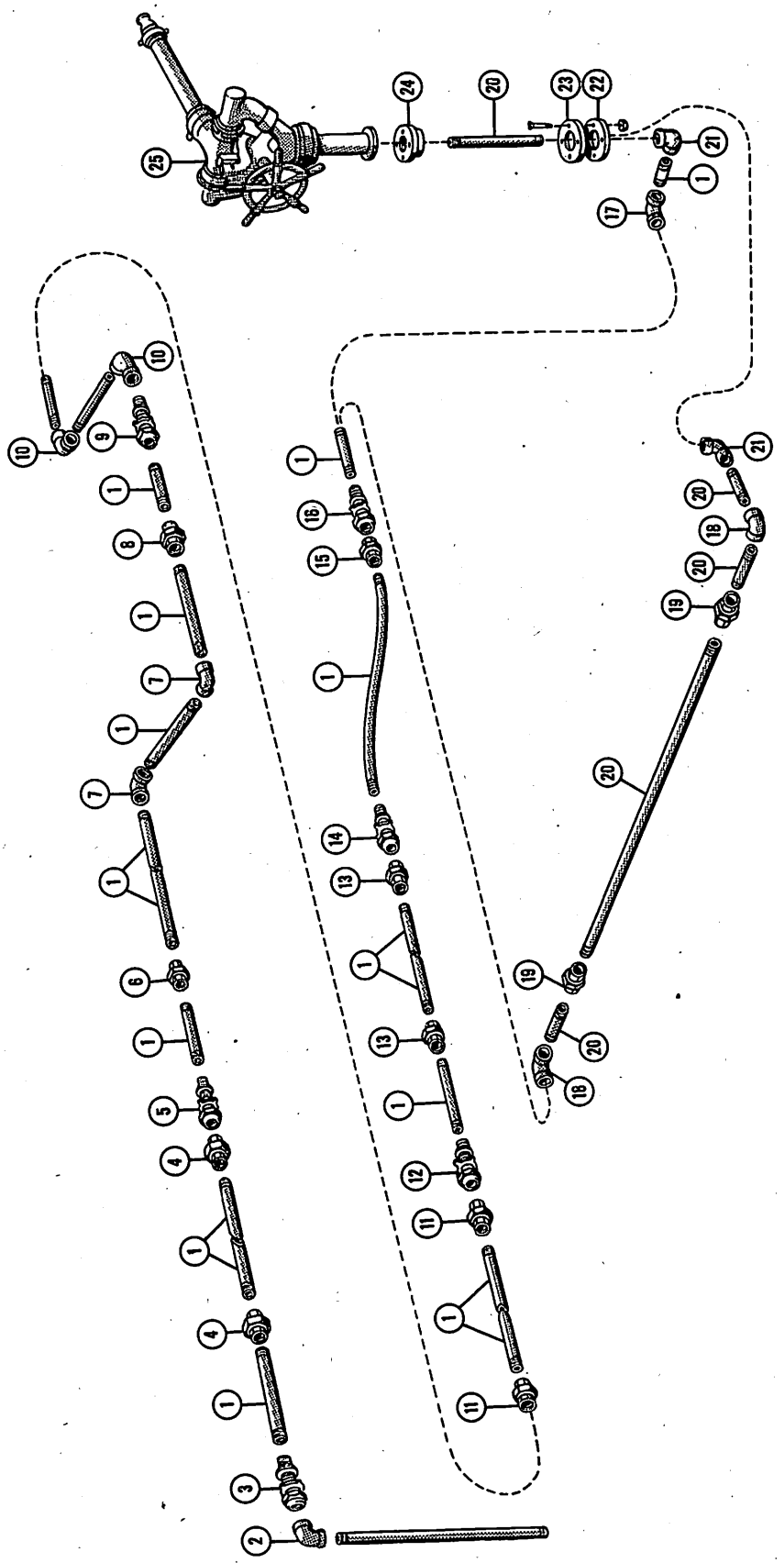


Figure 42—Foam Generator Piping Assembly (cockpit to monitor)

FOAMITE FIRE EXTINGUISHING SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			FOAM GENERATOR PIPING ASSEMBLY (COCKPIT TO MONITOR)	
42		(a)	Piping Assy—Foam generator from cockpit to monitors	1
42		(a)	Piping Assy—Port side	1
42		(a)	Piping Assy—Starboard side	1
42- 1			Pipe—Wrought iron galv 1½ in. IPS	AR
2			Elbow—90° malleable iron galv 150 lb pressure 1½ in.	1
3	No Number		Box—Stuffing steel or malleable iron galv 1½ in. for 2¼ in. wood bulkhead type C-G (Crouse-Hinds)	1
4			Union—Malleable iron galv 300 lb pressure 1½ in.	2
5	No Number		Box—Stuffing steel or malleable iron galv 1½ in. for 2¼ in. wood bulkhead type C-G (Crouse-Hinds)	1
6			Union—Malleable iron galv 300 lb pressure 1½ in.	1
7			Elbow—90° malleable iron galv 150 lb pressure 1½ in.	2
8			Union—Malleable iron galv 300 lb pressure 1½ in.	1
9	No Number		Box—Stuffing steel or malleable iron galv 1½ in. for 2¼ in. wood bulkhead type C-G (Crouse-Hinds)	1
10			Elbow—90° malleable iron galv 150 lb pressure 1½ in.	2
11			Union—Malleable iron galv 300 lb pressure 1½ in.	2
12	No Number		Box—Stuffing steel or malleable iron galv 1½ in. for 2¼ in. wood bulkhead type C-G (Crouse-Hinds)	1
13			Union—Malleable iron galv 300 lb pressure 1½ in.	2
14	No Number		Box—Stuffing steel or malleable iron galv 1½ in. for 2¼ in. wood bulkhead type C-G (Crouse-Hinds)	1
15			Union—Malleable iron galv 300 lb pressure 1½ in.	2
16	No Number		Box—Stuffing steel or malleable iron galv 1½ in. for 2¼ in. wood bulkhead type C-G (Crouse-Hinds)	1
17			Elbow—45° malleable iron galv 150 lb pressure 1½ in. (port side only)	1
18			Elbow—90° malleable iron galv 150 lb pressure 1½ in. (starboard side only)	2
19			Union—Malleable iron galv 300 lb pressure 1½ in. (starboard side only)	2
20			Pipe—Wrought iron galv 1½ in. IPS (starboard side only)	AR
21			Elbow—90° malleable iron galv 150 lb pressure 1½ in.	1
22	416-116-36		Plate—Circular steel galv 2 ID x 7½ in. OD x ¼ in. thick	1
23	416-116-35		Plate—Circular steel galv 1 11/16 ID x 7½ OD x 1½ in. thick	1
			Bolt—FH bronze ½ in.-13	4
			Nut—Hex bronze ½ in.-13	4
24			Flange—Wrought steel galv 150 lb pressure	1
25			Monitor Assy—Brass or bronze 1½ in. IPS (McIntire Brass)	1

CO_2 FIRE EXTINGUISHING SYSTEM

CONTROL AND EXTINGUISHER ASSEMBLY

		(a)	Fire Extinguishing System—CO_2 (dwg 416-24)	
43		(a)	Control Assy	1
43- 1	19228		Pull Box—Break glass flush type (Kidde)	1
2	6824		Hammer and Chain (Kidde)	1
3	10		Pulley—Universal (Kidde)	2
4	Comm		Tubing—Copper ⅜ OD x .035 in. wall (Spec. No. WW-T-799)	AR
5	60566		Pulley—Corner 90° closed (Kidde)	2
6	Comm		Tubing—Copper ⅜ OD x .035 in. wall (Spec. No. WW-T-799)	AR
7	19228		Pull Box—Break glass flush type (Kidde)	1
8	6824		Hammer and Chain (Kidde)	1
9	19669		Cable and Handle Assy—Control (Kidde)	2
10	No Number		Clamp—Control cable (Kidde)	1
11	60566		Pulley—Corner 90° closed (Kidde)	1
12	U1-6D		Union—Brass (Kerotest)	1
13	N-1-6		Nut—Flare brass (Kerotest)	2
14	Comm		Tubing—Copper ⅜ OD x .035 in. wall (Spec. No. WW-T-799)	AR
15			Strap—Tube copper ⅜ in. OD tube	16
16			Screw—FH wood steel galv ⅝ in. x No. 7	32
17			Strap—Pipe copper ⅞ in. OD pipe	3
18			Strap—Pipe copper 1 in. OD pipe	3
19			Screw—FH wood steel galv ⅝ in. x No. 7	12
20	416-24-42		Bracket—Pull box steel galv 14 gage x 5 x 10½ in.	1
21			Screw—FH wood steel galv ⅝ in. x No. 7	8
22	301-12387		Plate—Embossed (Kidde)	1
23			Screw—FH machine steel galv ¼ x No. 6-32	3
24			Washer—Flat steel galv No. 6	3
25			Nut—Hex steel galv No. 6-32	3
26			Cylinder—CO_2 35 lb capacity (Kidde)	2
43		(a)	Head Assy—Discharge cylinder	1
27	76006		Head—Cutter enclosed (Kidde)	1
28	2649		Adapter (Kidde)	1
29	4467		Valve—Piston cutter (Kidde)	1
30	No Number		Extinguisher Assy—Fire portable 4 lb capacity (C-O-Two)	5
31	No Number		Extinguisher Assy—Fire portable 15 lb capacity (C-O-Two)	2

(a) *Non-procurable.*

CO_2 FIRE EXTINGUISHING SYSTEM

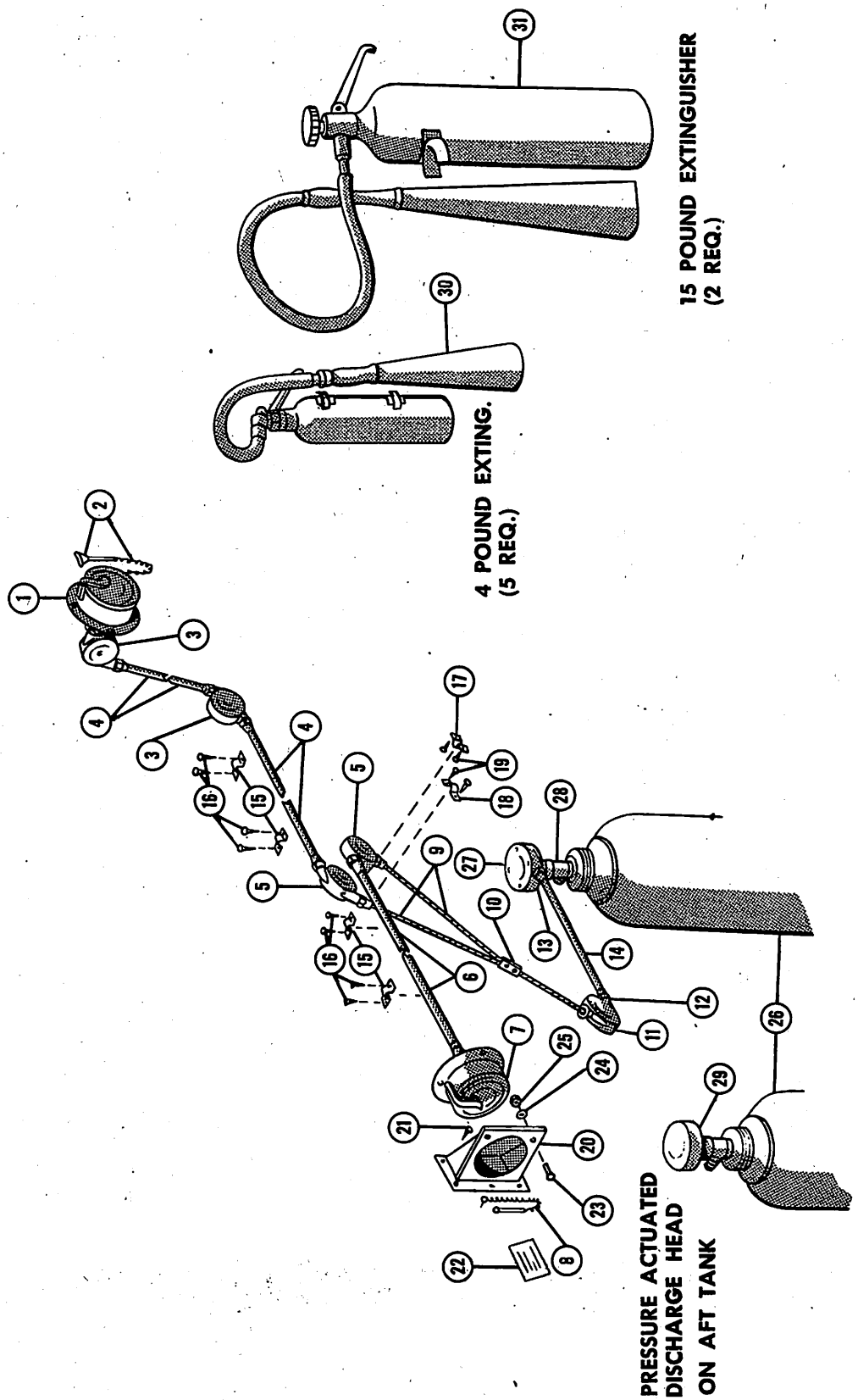


Figure 43—Control and Extinguisher Assembly

CO_2 FIRE EXTINGUISHING SYSTEM

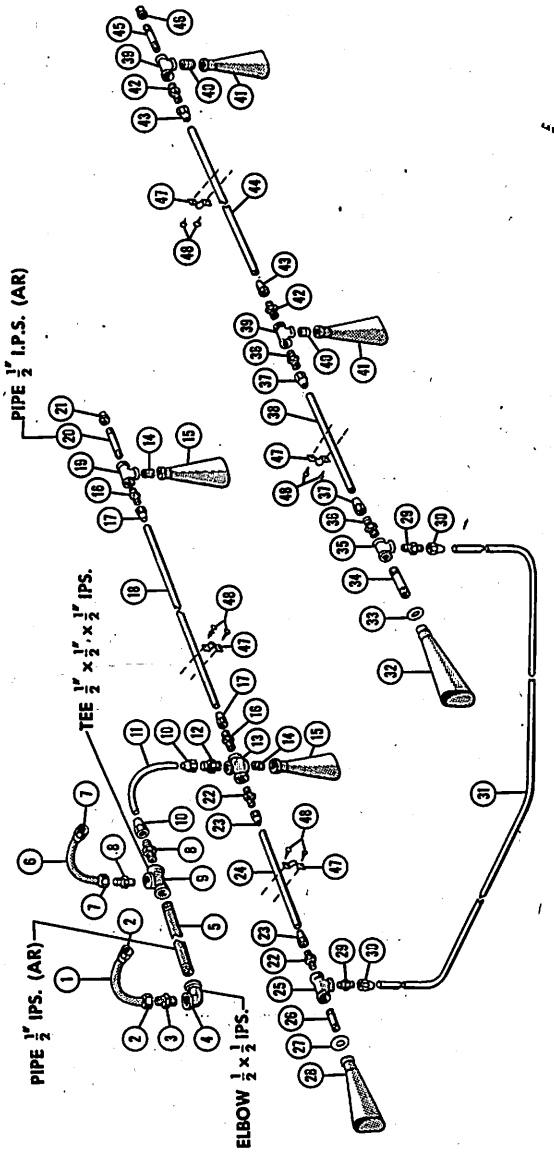


Figure 44—Discharge Piping Assembly

CO_2 FIRE EXTINGUISHING SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			DISCHARGE PIPING ASSEMBLY	
44			Piping Assy—Discharge	1
44- 1	4408		Loop—Copper (Kidde)	1
2	2354		Nut—Flare (Kidde)	2
3	U1-10D		Union—Brass (Kerotest)	1
4			Elbow—½ x ½ in. IPS	1
5			Pipe—Brass ½ in. IPS	AR
6	4418		Loop—Copper (Kidde)	1
7	2354		Nut—Flare (Kidde)	2
8	U1-10D		Union—Brass (Kerotest)	2
9			Tee—Brass ½ x ½ x ½ in. IPS	1
10	U2-10		Nut—Flare brass (Kerotest)	2
11	Comm		Tubing—Copper 5/8 OD x .035 in. wall (Spec. No. WW-T-799)	AR
12	U1-10D		Union—Brass (Kerotest)	1
13			Cross—Brass ½ x ½ x ½ x ½ in. IPS	1
14			Nipple—Close brass ½ in. IPS	2
15	8353		Nozzle—Shielded (Kidde)	2
16	U1-10D		Union—Brass (Kerotest)	2
17	U2-10		Nut—Flare brass (Kerotest)	2
18	Comm		Tubing—Copper 5/8 OD x .035 in. wall (Spec. No. WW-T-799)	AR
19			Tee—Brass ½ x ½ x ½ in. IPS	1
20			Nipple—Brass ½ IPS x 3 in.	1
21			Cap—Pipe brass ½ in. IPS	1
22	U1-10D		Union—Brass (Kerotest)	2
23	U2-10		Nut—Flare brass (Kerotest)	2
24	Comm		Tubing—Copper 5/8 OD x .035 in. wall (Spec. No. WW-T-799)	AR
25			Tee—Brass ½ x ½ x ½ in. IPS	1
26			Nipple—Brass ½ IPS x 3 in.	1
27			Washer—Flat steel galv 7/8 in.	1
28	8353		Nozzle—Shielded (Kidde)	1
29	U1-10D		Union—Brass (Kerotest)	2
30	U2-10		Nut—Flare brass (Kerotest)	2
31	Comm		Tubing—Copper 5/8 OD x .035 in. wall (Spec. No. WW-T-799)	AR
32	8353		Nozzle—Shielded (Kidde)	1
33			Washer—Flat steel galv 7/8 in. ID	1
34			Nipple—Brass ½ IPS x 3 in.	1
35			Tee—Brass ½ x ½ x ½ in. IPS	1
36	U1-10D		Union—Brass (Kerotest)	2
37	U2-10		Nut—Flare brass (Kerotest)	2
38	Comm		Tubing—Copper 5/8 OD x .035 in. wall (Spec. No. WW-T-799)	AR
39			Tee—Brass ½ x ½ x ½ in. IPS	2
40			Nipple—Close brass ½ in. IPS	2
41	8353		Nozzle—Shielded (Kidde)	2
42	U1-10D		Union—Brass (Kerotest)	2
43	U2-10		Nut—Flare brass (Kerotest)	2
44	Comm		Tubing—Copper 5/8 OD x .035 in. wall (Spec. No. WW-T-799)	AR
45			Nipple—Brass ½ IPS x 3 in.	1
46			Cap—Pipe brass ½ in. IPS	1
47			Strap—Tube copper 5/8 in. OD tube	15
48			Screw—FH wood steel galv 5/8 in. x No. 7	30

HEATING SYSTEM

CREW'S QUARTERS' HEATING AND LINE ASSEMBLY

			Heating System (dwg 416-26)	
45		(a)	Heating Assy—Crew's Quarters'	1
45		(a)	Line Assy—Exhaust	1
45- 1	416-26-20		Fitting—Thru hull	1
2			Coupling—Galv 1 in. IPS	1
3	Comm		Tubing—Exhaust copper 1 1/8 OD x .035 in. wall (Spec. No. WW-T-799)	AR
*4			Coupling—Galv 1 in. IPS	1
5	379-27-11		Coupling—Female union brass (Chicago Metal)	1
6	379-27-10		Exhaust—Flexible bronze (Chicago Metal)	1
7	379-27-12		Coupling—Male union brass (Chicago Metal)	1
8			Elbow—90° street galv ¾ in. IPS	1
9			Screw—FH machine brass No. 10-32 x 1¼ in.	8
10			Washer—Flat galv ¼ in.	8
11			Nut—Hex brass No. 10-32	8
45		(a)	Line Assy—Fuel	1
12	Comm		Tubing—Copper ¼ OD x .032 in. wall (Spec. No. WW-T-799)	AR
13			Nut—Flare brass ¼ in. flare tube	1
14			Union—Tube brass ¼ in. male flare x ⅛ in. male IPS	1
15	*7		Valve—Globe brass ⅛ in. IPS (Crane)	1
16			Elbow—90° copper ¼ in. male flare x ⅛ in. male IPS	1
17			Nut—Flare brass ¼ in. flare tube	1
18	Comm		Tubing—Copper ¼ OD x .032 in. wall (Spec. No. WW-T-799)	AR
19			Nut—Flare brass ¼ in. flare tube	1
20			Fitting—Titeflex brass ⅛ x ¼ in. flare tube	1
21			Tubing—Titeflex single braid ⅛ x 4 in.	1
22			Fitting—Titeflex brass ⅛ x ⅛ in. male IPS	1
23			Elbow—90° street brass ⅛ in. IPS	1
24			Strap—Tube copper ⅛ in.	2
25			Heater Assy—24-volt	1

(a) *Non-procurable.*
* *Size to be specified when ordering.*

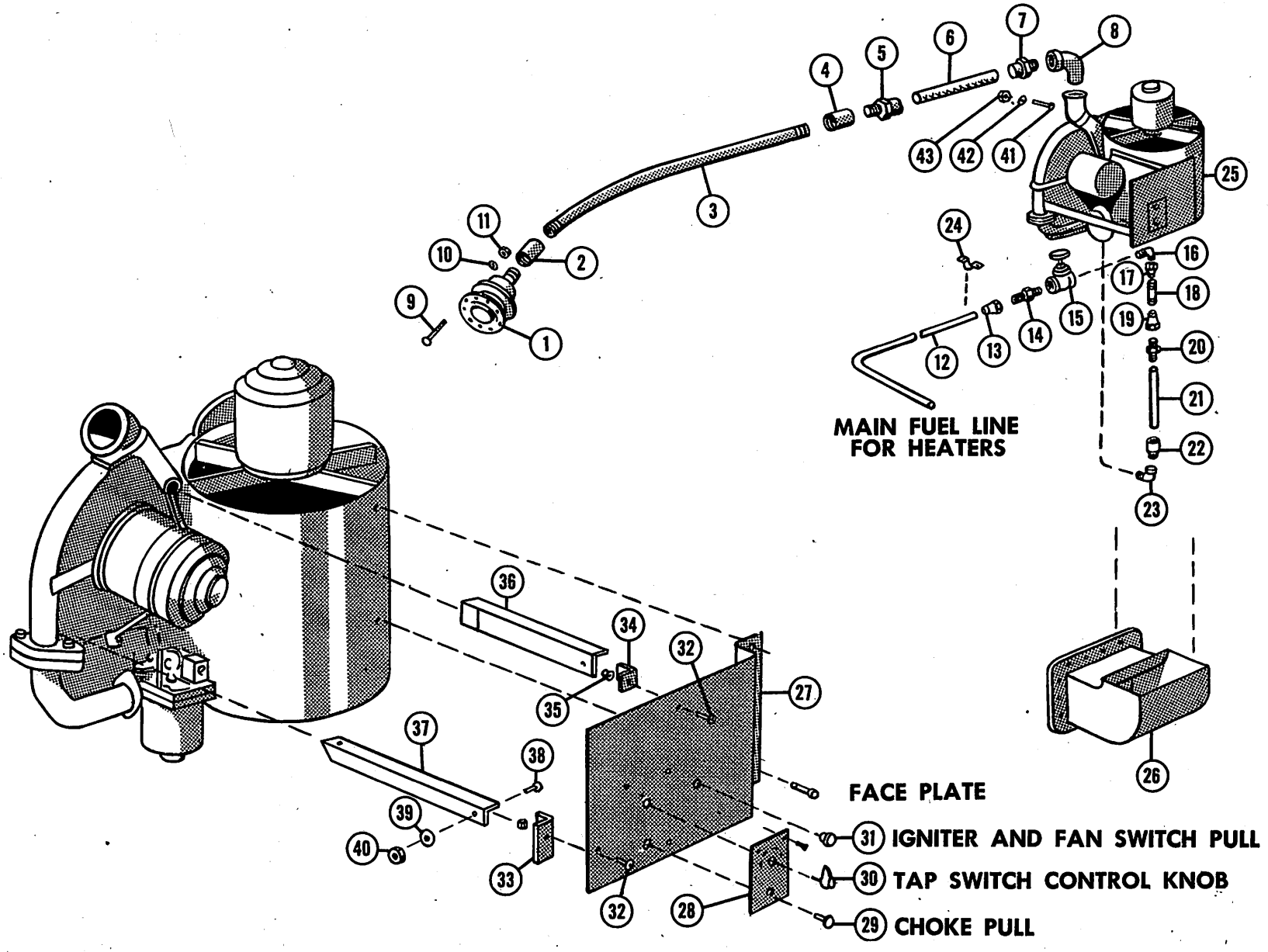


Figure 45—Crew's Quarters' Heating and Line Assembly

HEATING SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		CREW'S QUARTERS' HEATING AND LINE ASSEMBLY (CONT'D)	
		Heater—Model 792-E 24-volt (St-War)	1
	7228	Nut—Hex brass No. 8-32	10
		Nut—Hex steel No. 8-32	1
		Nut—Hex steel No. 10-32	5
		Washer—Lock steel ¼ in.	14
		Washer—Lock steel No. 8	29
		Washer—Lock steel No. 6	6
		Washer—Lock	1
		Washer—Lock steel No. 10	17
		Washer	8
		Nut—Hex steel ¼-28	14
		Screw—FH machine steel No. 10-32 x ⅜ in.	14
		Screw—FH machine steel No. 6-32 x ¼ in.	4
		Nut—Hex steel No. 8-32	6
		Screw—FH machine steel No. 8-32 x ⅝ in.	8
		Screw—FH machine steel No. 10-32 x ½ in.	1
		Screw—FH machine steel No. 10-32 x 7/16 in.	2
		Screw—FH machine steel No. 8-32 x 7/16 in.	12
		Screw—RH machine steel No. 8-32 x 3 1/16 in.	2
	91011	Washer	6
	91278	Washer	8
	105161	Washer	1
	106218	Igniter—24-volt	1
	470040	Gasket—Carburetor	2
	470569	Gasket—Copper	1
	470647	Gasket—Reigniter	1
	470861	Bracket—Motor	1
	470874	Reigniter	1
	470875	Bracket—Terminal	8
	470876	Screw—Terminal	8
	470877	Stud—Switch mounting	1
	470878	Blades and Hub—Fan	1
	470879	Chamber—Combustion	1
	470880	Gasket—Combustion chamber	1
	470882	Bracket	1
	470905	Stud	6
	470916	Seat, Disc and Stud—Check valve	1
	470917	Gasket—Check valve seat	2
	470918	Stud	14
	470919	Body Casting—Check valve	1
	470921	Cover—Check valve	1
	470926	Impeller—Blower	1
	Comm	Screw—Oval hd machine No. 10-32 x ⅝ in.	8
	470975	Tube—Burner	1
	470984	Gasket—Igniter	1
	Comm	Screw—Allen set steel No. 10-32 x ¼ in.	2
	471043	Housing—Blower	1
	471044	Gasket—Intake	2
	471045	Gasket—Exhaust	2
	471046	Gasket—Carburetor	1
	471047	Gasket—Blower	1
	471048	Elbow—Blower	1
	471049	Cover—Blower	1
	471081	Bracket—Blower	1
	471082	Bracket—Blower	1
	471086	Bracket—Motor	1
	471107	Clip—Wire	4
	471109	Switch—Overheat	1
	471289	Plate—Tapping	1
	Comm	Plug—Pipe ⅛ in. NPT	1
	Comm	Screw—FH machine No. 6-40 x ¼ in.	2
	471519	Switch and Leads—Thermosnap	1
	471603	Exchanger—Heat	1
	471621	Bracket	1
	471739	Adapter—Exhaust pipe	1
	471826	Motor—Fan 22-volts	1
	471827	Motor—Blower 15-volt	1
	471830	Plate—Cover	1
	471831	Housing and Brackets	1
	472923	Screw—Fan set	1
	470904	Carburetor Assy—Used on model 792-E heater (St-War)	1
	054	Screw—Float bowl cover short	2
	0337	Gasket—Inlet seat	2
	0676	Gasket—Nozzle gland	1
	0802	Screen—Inlet connection	1
	0992	Washer—Lock	4
	01108	Screw—Float bowl cover	2
	01459	Float	1
	02409	Screw—Inlet connection	1
	02410	Gasket—Inlet connection	1
	02817	Gasket—Nozzle	1
	03869	Pin—Float lever	1
	06124	Spring—Inlet needle	1
	07186	Nozzle	1
	07187	Screw—Body channel plug	1
	07236	Needle and Seat—Inlet	1
	07238	Gasket—Float bowl cover	1
	07244	Cover—Float bowl	1

HEATING SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			CREW'S QUARTERS' HEATING AND LINE ASSEMBLY (CONT'D)	
	07249		Control Assy—Body and choke	1
	07304		Connection—Inlet	1
	Comm		Screw—Fil-hd machine No. 8-32 x 7/16 in.	1
	Comm		Nut—Hex steel No. 8-32	1
	470977		Bracket—Choke wire	1
26	416-26-14		Duct—Heater galv	1
45		(a)	Panel Assy—Heater control (See figures 220, 221, and 222 of T.O. No. 19-85AC-1.)	
27	416-94-9		Panel—Switch galv steel 20 gage x 8 3/4 x 12 5/8 in.	1
28	No Number		Plate—Face (dwg 416-94)	1
29	No Number		Pull—Choke (dwg 416-94)	1
30			Knob—Control tap switch	1
31			Pull—Switch igniter and fan	1
32			Screw—Phillips hd machine self tapping steel No. 10-24 x 1/2 in.	2
33	416-94-12		Stiffener—Angle steel galv 20 gage 5/8 x 5/8 x 2 1/4 in.	1
34	No Number		Stiffener—Angle steel galv 20 gage 5/8 x 5/8 in. (dwg 416-94)	1
35			Nut—Hex brass No. 10-24	2
36	416-94-10		Angle—Upper support steel galv 20 gage 5/8 x 5/8 x 5 11/16 in.	1
37	416-94-11		Angle—Lower support steel galv 20 gage 5/8 x 5/8 x 5 5/8 in.	1
38			Screw—RH machine steel No. 10-24 x 5/8 in.	2
39	AN935-10		Washer—Lock	2
40			Nut—Hex steel No. 10-24	1
41			Bolt—Carriage galv 1/4 x 2 3/4 in.	4
42			Washer—Flat galv 1/4 in.	4
43			Nut—Hex galv 1/4 in.-20	4
			OFFICERS' QUARTERS' HEATING AND LINE ASSEMBLY	
46		(a)	Heating Assy—Officers' quarters'	1
46		(a)	Line Assy—Exhaust	1
46- 1	416-26-20		Fitting—Thru hull	1
2			Coupling—Galv 1 in. IPS	1
3	Comm		Tubing—Exhaust copper 1 1/8 in. OD x .035 in. wall (Spec. No. WW-T-799)	AR
4			Coupling—Galv 1 in. IPS	1
5	379-27-11		Coupling—Female union (Chicago Metal)	1
6	379-27-10		Exhaust—Flexible bronze (Chicago Metal)	1
7	379-27-12		Coupling—Male union brass (Chicago Metal)	1
8			Elbow—90° street galv 3/4 in. IPS	1
9			Screw—FH machine brass No. 10-32 x 1 3/4 in.	8
10			Washer—Flat galv 1/4 in.	8
11			Nut—Hex brass No. 10-32	8
46		(a)	Line Assy—Fuel	1
12	Comm		Tubing—Copper 1/4 OD x .032 in. wall (Spec. No. WW-T-799)	AR
13			Tee—Brass 1/4 in. male flare	1
14			Nut—Flare brass 1/4 in. flare tube	1
15	Comm		Tubing—Copper 1/4 OD x .032 in. wall (Spec. No. WW-T-799)	AR
16			Nut—Flare brass 1/4 in. flare tube	1
17			Union—Tube brass 1/4 in. male flare	1
18	*7		Valve—Globe brass 1/8 in. IPS (Crane)	1
19			Union—Tube brass 1/4 in. male flare	1
20			Nut—Flare brass 1/4 in. flare tube	1
21	Comm		Tubing—Copper 1/4 OD x .032 in. wall (Spec. No. WW-T-799)	AR
22			Nut—Flare brass 1/4 in. flare tube	1
23			Fitting—Titeflex brass 1/8 x 1/4 in. flare tube	1
24			Tubing—Titeflex single braid 1/8 x 4 in.	1
25			Fitting—Titeflex brass 1/8 x 1/8 in. male IPS	1
26			Elbow—90° street brass 1/8 in. IPS	1
27			Strap—Tube copper 1/2 in.	2
28			Heater Assy—24-volt model 792-E (St-War) (For detailed parts of heater see figure 45 breakdown index No. 25)	1
29	416-26-13		Duct—Heater galv	1
30			Bolt—Carriage galv 1/4 x 1 3/4 in.	4
31			Washer—Flat galv 1/4 in.	4
32			Nut—Hex galv 1/4 in.	4

(a) *Non-procurable.*
* *Size to be specified when ordering.*

HEATING SYSTEM

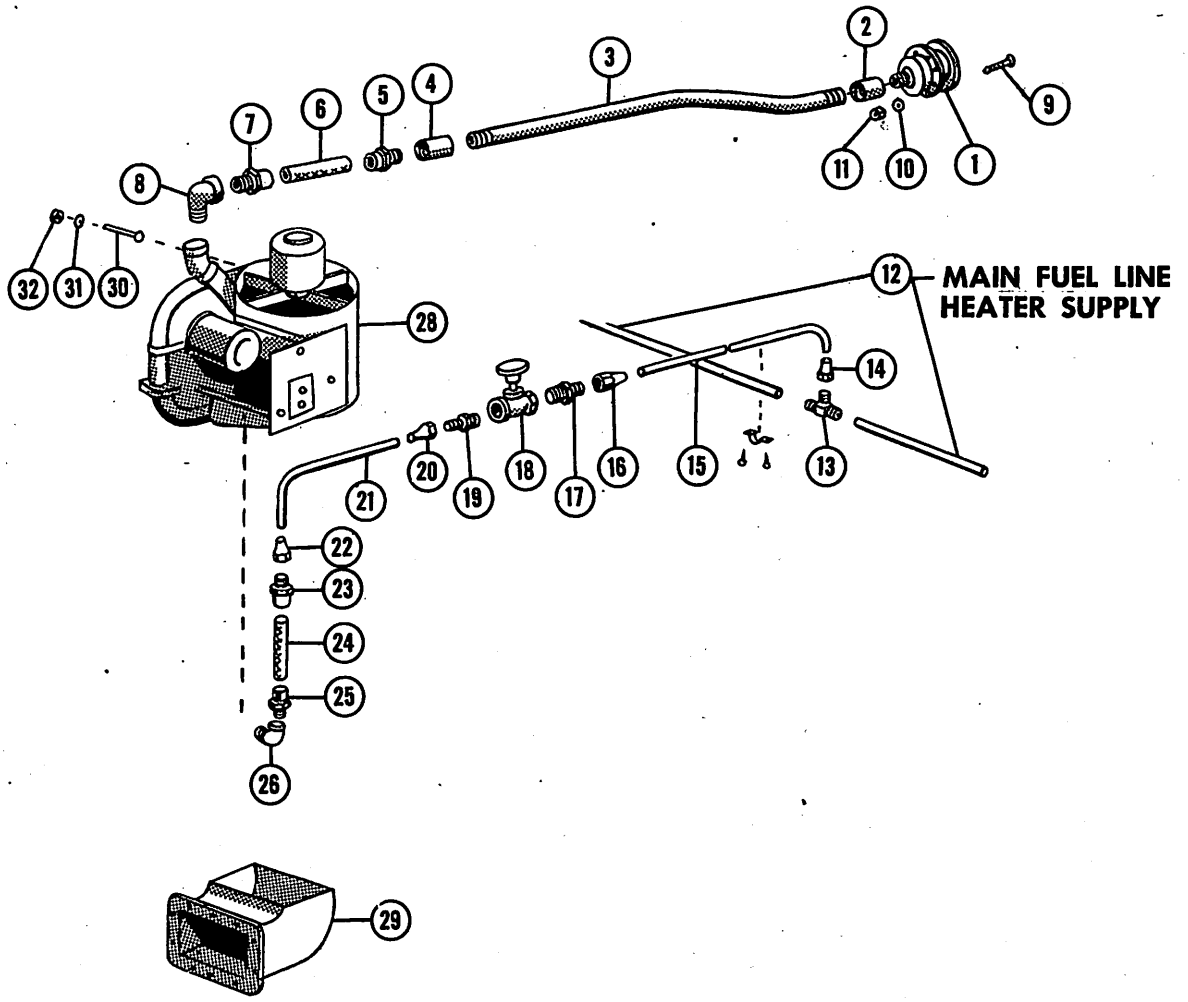


Figure 46—Officers' Quarters' Heating and Line Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		DISPENSARY HEATING AND LINE ASSEMBLY	
47		(a) Heating Assy—Dispensary	1
47		(a) Line Assy—Exhaust	1
47- 1	416-26-20	Fitting—Thru hull	1
2	379-27-11	Coupling—Female union (Chicago Metal)	1
8	379-27-10	Exhaust—Flexible bronze (Chicago Metal)	1
4	379-27-12	Coupling—Male union brass (Chicago Metal)	1
5		Screw—FH machine brass No. 10-32 x 1¾ in.	8
6		Washer—Flat galv ¼ in.	8
7		Nut—Hex brass No. 10-32	8
47		(a) Line Assy—Fuel	1
8		Elbow—90° brass ¼ in. male flare x ⅛ in. male IPS	1
9		Nut—Flare brass ¼ in. flare tube	1
10		Tubing—Copper ¼ OD x .032 in. wall (Spec. No. WW-T-799)	AR
11		Nut—Flare brass ¼ in. flare tube	1
12		Elbow—90° brass ¼ in. male flare x ⅛ in. male IPS	1
13	P1633	Pump—Fuel electric single (Willis)	1
14		Elbow—90° brass ¼ in. male flare x ⅛ in. male IPS	1
15		Nut—Flare brass ¼ in. flare tube	1
16	Comm	Tubing—Copper ¼ OD x .032 in. wall (Spec. No. WW-T-799)	AR
17		Nut—Flare brass ¼ in. flare tube	2
18	Comm	Tubing—Copper ¼ OD x .032 in. wall (Spec. No. WW-T-799)	AR
19		Nut—Flare brass ¼ in. flare tube	1

(a) *Non-procurable.*

HEATING SYSTEM

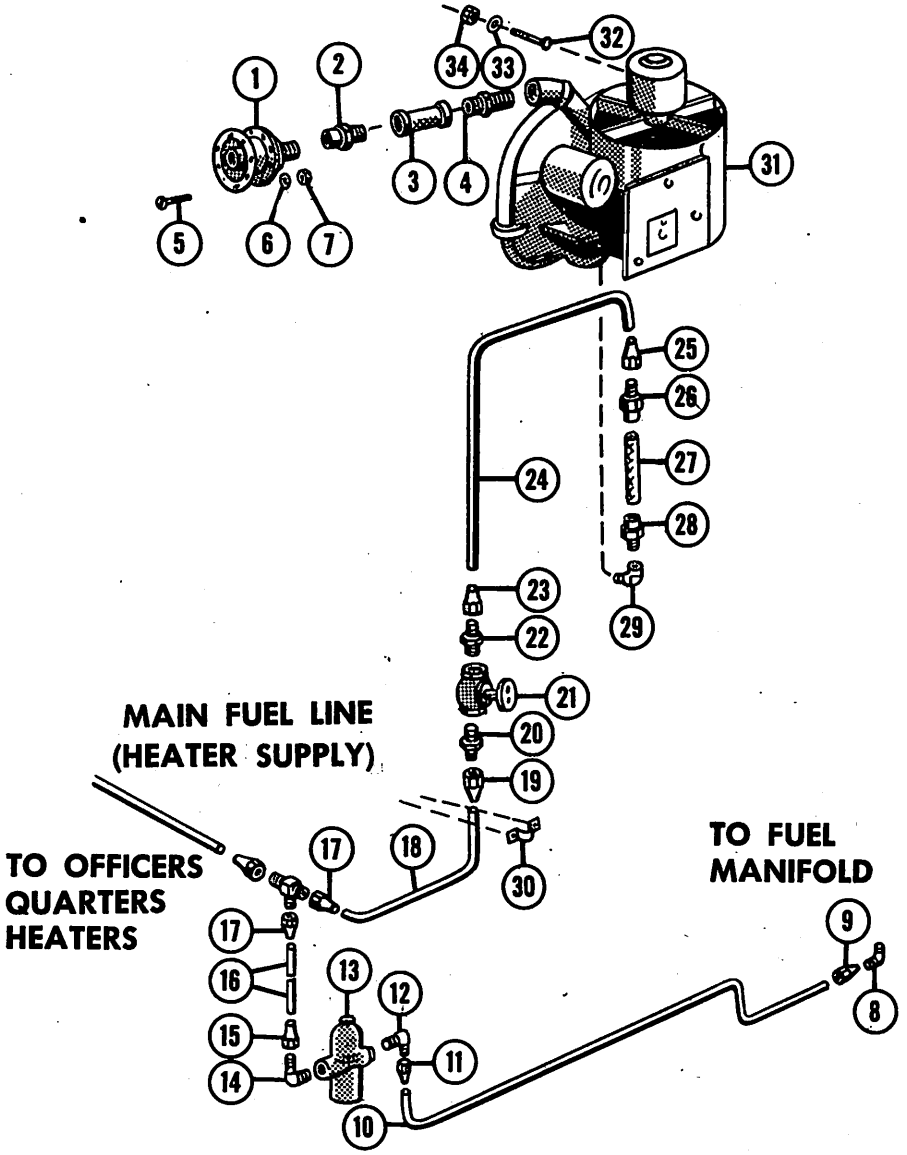


Figure 47—Dispensary Heating and Line Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		DISPENSARY HEATING AND LINE ASSEMBLY (CONT'D)	
20		Union—Tube brass ¼ in. male flare x ⅛ in. male IPS	1
21	*7	Valve—Globe brass ⅛ in. IPS (Crane)	1
22		Union—Tube brass ¼ in. male flare x ⅛ in. male IPS	1
23		Nut—Flare brass ¼ in. flare tube	1
24	Comm	Tubing—Copper ¼ OD x .032 in. wall (Spec. No. WW-T-799)	AR
25		Nut—Flare brass ¼ in. flare tube	1
26		Fitting—Titeflex brass ⅛ x ¼ in. flare tube	1
27		Tubing—Titeflex single braid ⅛ x 4 in	1
28		Fitting—Titeflex brass ⅛ x ⅛ in. male IPS	1
29		Elbow—90° street brass ⅛ in. IPS	1
30		Strap—Tube copper ½ in	2
31		Heater Assy—24-volt model 792-E (St-War) (For detailed parts of heater see figure 45 breakdown index No. 25.)	1
32		Bolt—Carriage galv ¼ x ¾ in	4
33		Washer—Flat galv ¼ in	4
34		Nut—Hex galv ¼ in	4

* *Size to be specified when ordering.*

VENTILATION SYSTEM

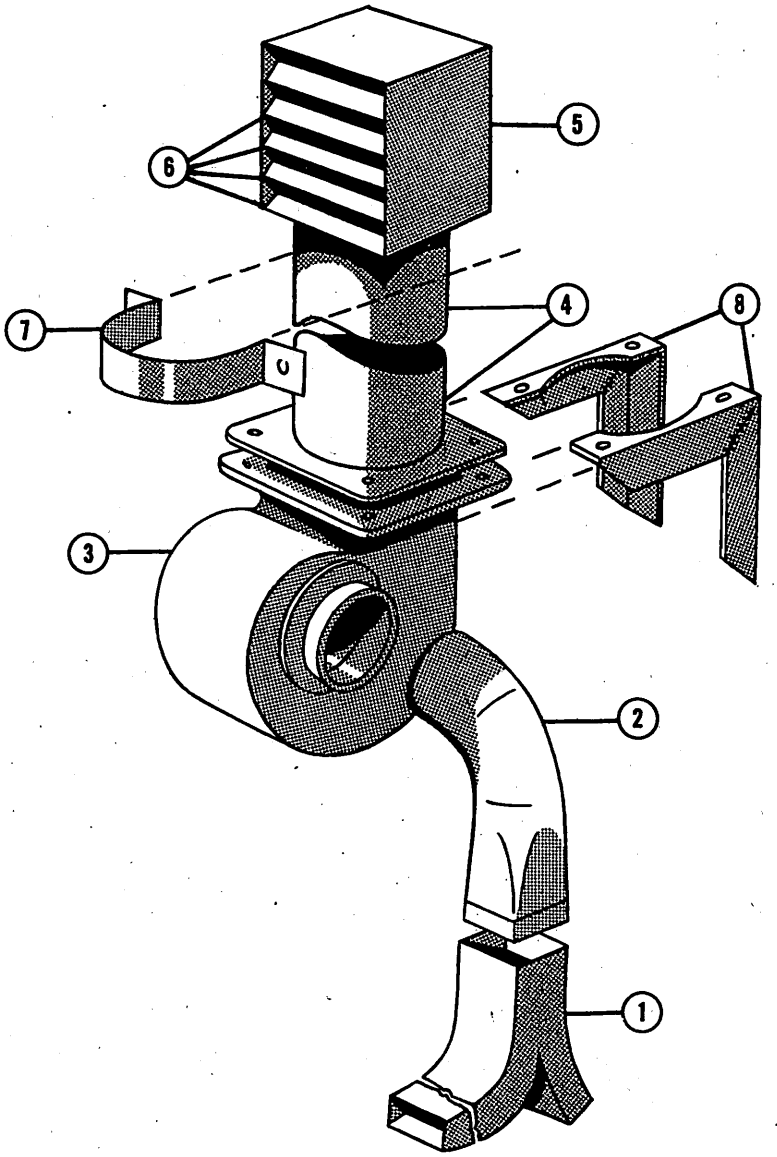


Figure 48—Cockpit Blower Assembly

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		COCKPIT BLOWER ASSEMBLY	
		Ventilation System (dwg 416-27)	
48		(a) Blower—Assy Cockpit	1
48		(a) Inlet Assy—Air	1
48- 1	416-27-76	Duct—Steel galv 16 gage 4 x 4 in.	AR
2	416-27-77	Duct—Steel galv 16 gage 4 in. OD	AR
3	104	Blower—Shielded 100 cu ft/min 4 in.-24-volt (Willis)	1
		(a) Outlet Assy—Air	1
4	416-27-78	Duct—Steel galv 16 gage 3½ in. OD	AR
5	416-27-79	Hood—Steel galv 16 gage 4 x 4 x 6 in.	1
6	416-27-80	Louver—Steel galv 16 gage 2 x ½ in.	5
7	416-27-81	Strap—Steel galv 12 gage 1½ x 11 in.	2
8	416-27-82	Bracket—Steel galv 1½ x 1½ x ½ in. angle	AR
		Bolt—Carriage ¼-20 x ½ in.	4
	AN935B416	Washer—Lock ¼ in.	4
		Nut—Hex steel ¼-20	4
		Screw—RH wood brass ¼ x 1½ in.	4

(a) *Non-procurable.*

VENTILATION SYSTEM

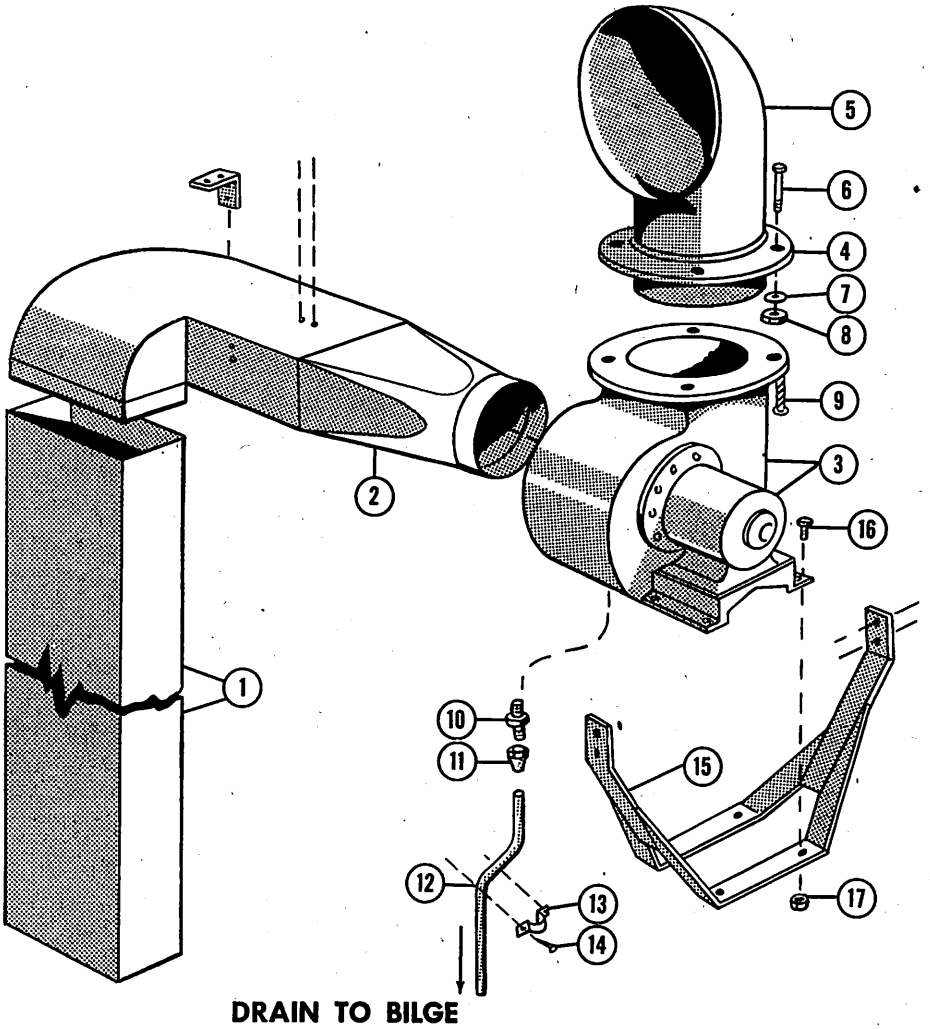


Figure 49—Engine Room Aft Starboard Blower Assembly

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			ENGINE ROOM AFT STARBOARD BLOWER ASSEMBLY	
49		(a)	Blower Assy—Engine room aft starboard	1
49		(a)	Inlet Assy—Air	1
49- 1	416-27-30		Duct—Steel galv	1
2	416-27-28		Adapter—Duct steel galv	1
8	105		Blower—Shielded 500 cu ft/min 6 in.-24-volt (Willis)	1
49		(a)	Outlet Assy—Air	1
4	987		Plate—Deck bronze 6 in. (Willis)	1
5	*904		Ventilator—Cowl steel galv 5 x 10 x 18 in. (Willis)	1
6			Screw—FH machine steel galv ¼ in.-20 x 4 in	4
7			Washer—Flat galv ¼ in	4
8			Nut—Hex galv ¼ in.-20	4
9			Screw—RH wood galv No. 10 x 1½ in	4
49		(a)	Line Assy—Drain	1
10	U1-10C		Union—Brass ⅝ in. flare tube x ⅜ in. male pipe (Kerotest)	1
11	N2-10		Nut—Flare brass ⅝ in. flare tube (Kerotest)	1
12	Comm		Tubing—Copper ⅝ OD x .035 in. wall (Spec. No. WW-T-799)	AR
13			Strap—Tube steel galv ⅝ in. OD tube	1
14			Screw—RH wood No. 7 x ⅝ in	2
15	416-95-16		Bucket—Blower hot rolled steel	1
16			Screw—RH galv ¼-20 x 1 in	4
17			Nut—Hex galv ¼ in.-20	4

(a) *Non-procurable.*
* *Size to be specified when ordering.*

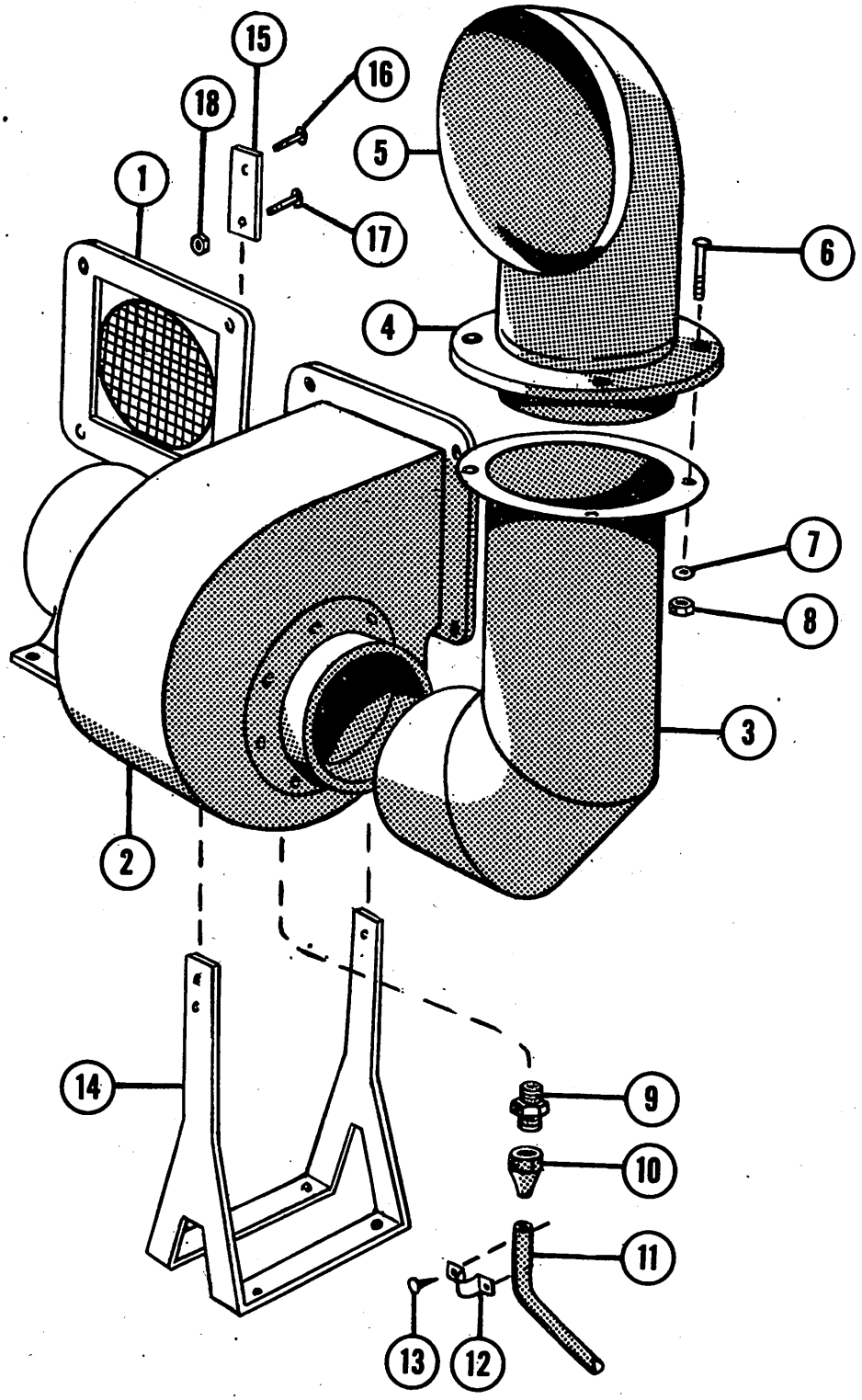


Figure 50—Engine Room Aft Port Blower Assembly

VENTILATION SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			ENGINE ROOM AFT PORT BLOWER ASSEMBLY	
50		(a)	Blower Assy—Engine room aft port	1
50- 1	No Number		Guard—Screen steel galv ¼ in. mesh x 4½ in. dia (dwg 416-27-18)	1
2	105		Blower—Shielded 500 cu ft/min 6 in.-24-volt (Willis)	1
50		(a)	Inlet Assy—Air	1
3	416-27-25		Duct—90° elbow steel galv 5⅞ in. ID	1
4	987		Plate—Deck bronze 6 in. (Willis)	1
5	*904		Ventilator—Cowl steel galv 6 x ⅓ x 15 in. (Willis)	1
6			Screw—FH machine galv ¼-20 x 5½ in.	4
7			Washer—Flat galv ¼ in.	4
8			Nut—Hex galv ¼ in.-20	4
50		(a)	Line Assy—Drain	1
9	U1-10C		Union—Brass ⅝ in. flare tube x ⅜ in. male pipe (Kerotest)	1
10	N2-10		Nut—Flare brass ⅝ in. flare tube (Kerotest)	1
11	Comm		Tubing—Copper ⅝ OD x .035 in. wall (Spec. No. WW-T-799)	AR
12			Strap—Tube steel galv ⅝ in. OD tube	1
13			Screw—RH wood brass No. 7 x ⅝ in.	2
14	416-95-15		Bracket—Blower hot rolled steel	1
15	416-95-22		Bracket—Stiffener hot rolled steel	1
16			Screw—RH wood galv No. 10 x 2 in.	1
17			Screw—RH wood galv ¼-20 x 1 in.	1
18			Washer—Flat galv ¼ in.	1
			ENGINE ROOM FORWARD STARBOARD BLOWER ASSEMBLY	
51		(a)	Blower Assy—Engine room forward starboard	1
51- 1	No Number		Guard—Screen steel galv ¼ in. mesh x 6 in. dia (dwg 416-95-14)	1
2	105		Blower—Shielded 1000 cu ft/min 8 in. 24-volt (Willis)	1
51		(a)	Inlet Assy—Air	1
3	416-27-27		Duct—90° elbow steel galv 8 in. dia	1
4	987		Plate—Deck bronze 8 in. (Willis)	1
5	*904		Ventilator—Cowl steel galv 8 x 16 x 40 in. (Willis)	1
6			Screw—FH machine galv ¼-20 x 5½ in.	4
7			Washer—Flat galv ¼ in.	4
8			Nut—Hex galv ¼ in.-20	4
51		(a)	Line Assy—Drain	1
9	U1-10C		Union—Brass ⅝ in. flare tube x ⅜ in. male pipe (Kerotest)	1
10	N2-10		Nut—Flare brass ⅝ in. flare tube (Kerotest)	1
11	Comm		Tubing—Copper ⅝ OD x .035 in. wall (Spec. No. WW-T-799)	AR
12			Strap—Tube steel galv ⅝ in. OD tube	1
13			Screw—RH wood galv No. 7 x ⅝ in.	2
14	416-95-24		Bracket—Stiffener hot rolled steel	2
15	416-95-18		Bracket—Blower hot rolled steel	2
16			Screw—RH wood galv No. 10 x 2 in.	10
17			Screw—RH wood galv ¼-20 x 1 in.	1
18			Washer—Flat galv ¼ in.	1

(a) *Non-procurable.*
* *Size to be specified when ordering*

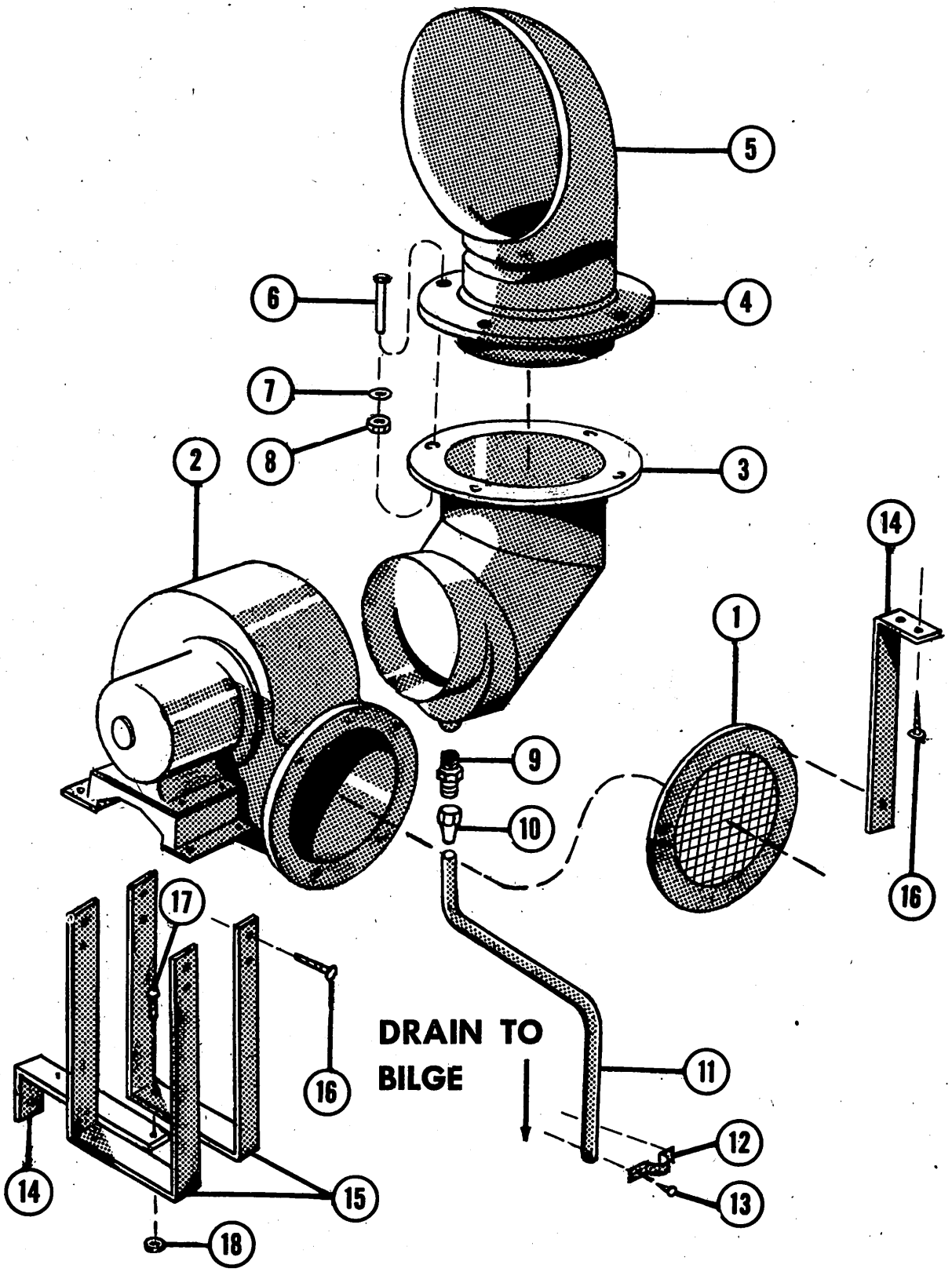


Figure 51—Engine Room Forward Starboard Blower Assembly

VENTILATION SYSTEM

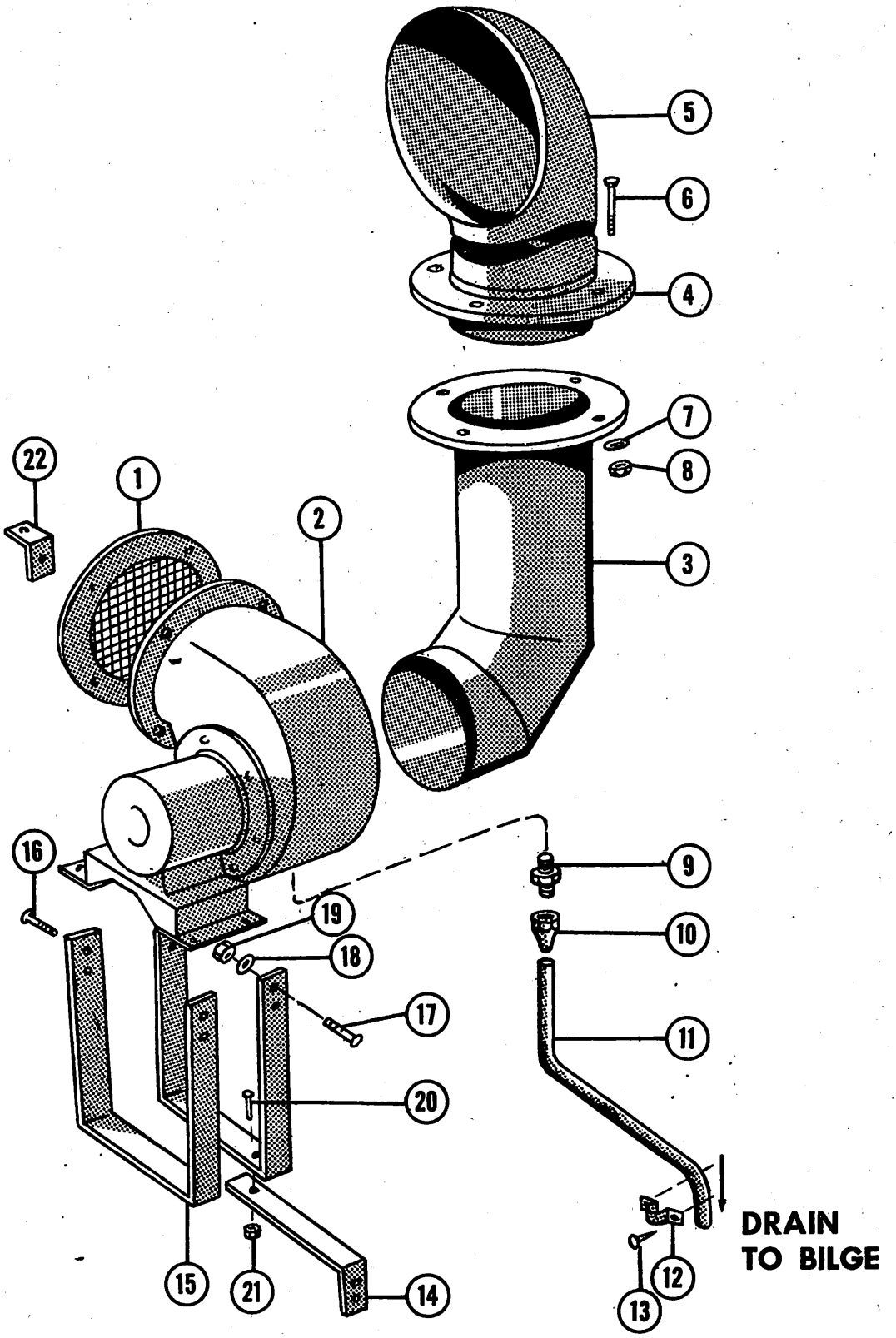


Figure 52—Engine Room Forward Port Blower Assembly

VENTILATION SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7	NOMENCLATURE	UNITS PER ASSY
			ENGINE ROOM FORWARD PORT BLOWER ASSEMBLY	
52		(a)	Blower Assy—Engine room forward port	1
52- 1	No Number		Guard—Screen steel galv ¼ in. mesh x 6 in. dia (dwg 416-95-14)	1
2	105		Blower—Shielded 1000 cu ft/min 8 in. 24-volt (Willis)	1
52		(a)	Inlet Assy—Air	1
3	416-95-26		Duct—90° elbow steel galv 8 in. dia	1
4	987		Plate—Deck bronze 8 in. (Willis)	1
5	*904		Ventilator—Cowl steel galv 8 x 16 x 40 in. (Willis)	1
6			Screw—FH machine galv ¼-20 x 5½ in.	4
7			Washer—Flat galv ¼ in.	4
8			Nut—Hex galv ¼ in.-20	4
52		(a)	Line Assy—Drain	1
19	U1-10C		Union—Brass ⅝ in. flare tube x ⅜ in. male pipe (Kerotest)	1
10	N2-10		Nut—Flare brass ⅝ in. flare tube (Kerotest)	1
11	Comm		Tubing—Copper ⅝ OD x .035 in. wall (Spec. No. WW-T-799)	AR
12			Strap—Tube steel galv ⅝ in. OD tube	1
13			Screw—RH wood galv No. 7 x ⅝ in.	2
14	416-95-24		Bracket—Stiffener hot rolled steel	2
15	416-95-17		Bracket—Blower hot rolled steel	2
16			Screw—RH wood galv No. 10 x 2 in.	4
17			Screw—FH machine galv ¼-20 x 2½ in.	4
18			Washer—Flat galv ¼ in.	4
19			Nut—Hex galv ¼ in.-20	4
20			Screw—RH wood galv ¼-20 x 1 in.	1
21			Nut—Hex galv ¼ in.-20	1
22	416-95-23		Bracket—Stiffener hot rolled steel	1
			GALLEY BLOWER ASSEMBLY	
53		(a)	Blower Assy—Galley	1
53		(a)	Inlet Assy—Air	1
53- 1	416-95-44		Duct—Steel galv 2¾ in. dia	1
2	416-95-45		Hood—Steel galv 14½ x 3 x 25½ in.	1
3	416-95-40		Adapter—Steel galv	1
4	416-95-41		Duct—Steel galv 2¼ in. OD	1
5	416-95-42		Ring—Wall 2¼ in. ID	1
6	416-95-43		Duct—Steel galv 2¼ in. OD	1
7	416-95-42		Ring—Wall 2¼ in. ID	1
8	104		Blower—Shielded 100 cu ft/min 4 in. 24-volt (Willis)	1
53		(a)	Outlet—Assy Air	1
9	416-95-21		Bracket—Blower hot rolled steel	1
10	416-95-34		Adapter—Steel galv	1
11	416-95-35		Joint—Collar	1
12	416-95-36		Duct—Steel galv	1
13	416-95-37		Trap—Steel galv	1
14	416-95-35		Joint—Collar	1
15	416-95-38		Duct—Steel galv	1
16	416-95-35		Joint—Collar	1
17	416-95-39		Duct—Steel galv	1
18	987		Plate—Deck bronze 5 in. (Willis)	1
19	*904		Ventilator—Cowl 5 x 10 x 13 in.	1
20			Screw—FH machine galv ¼-10 x 2½ in.	2
21			Screw—FH machine galv ¼-20 x 4½	2
22			Washer—Flat galv ¼ in.	4
23			Nut—Hex galv ¼ in.-20	4

(a) *Non-procurable*
* *Size to be specified when ordering.*

VENTILATION SYSTEM

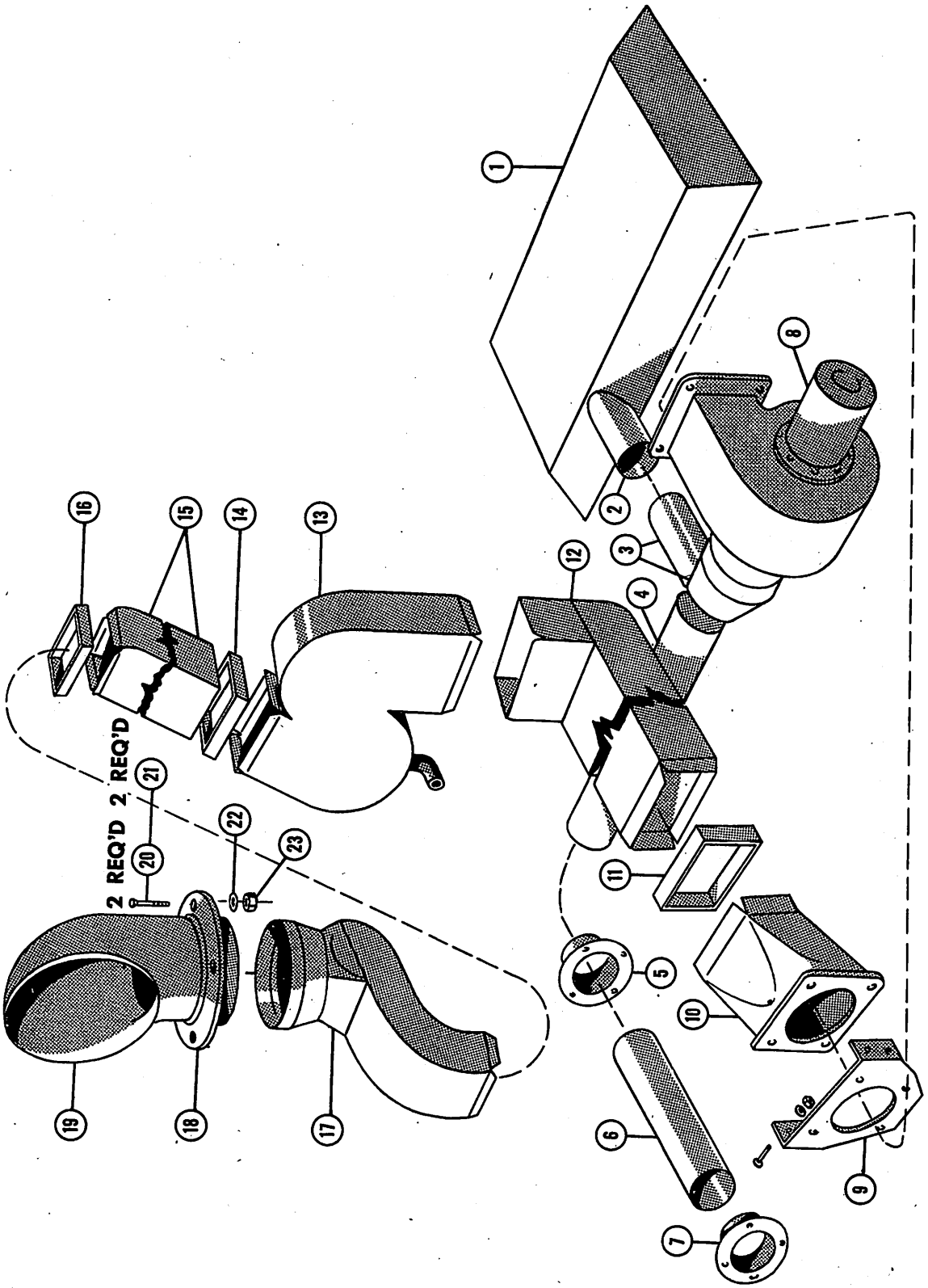


Figure 53—Galley Blower Assembly

VENTILATION SYSTEM

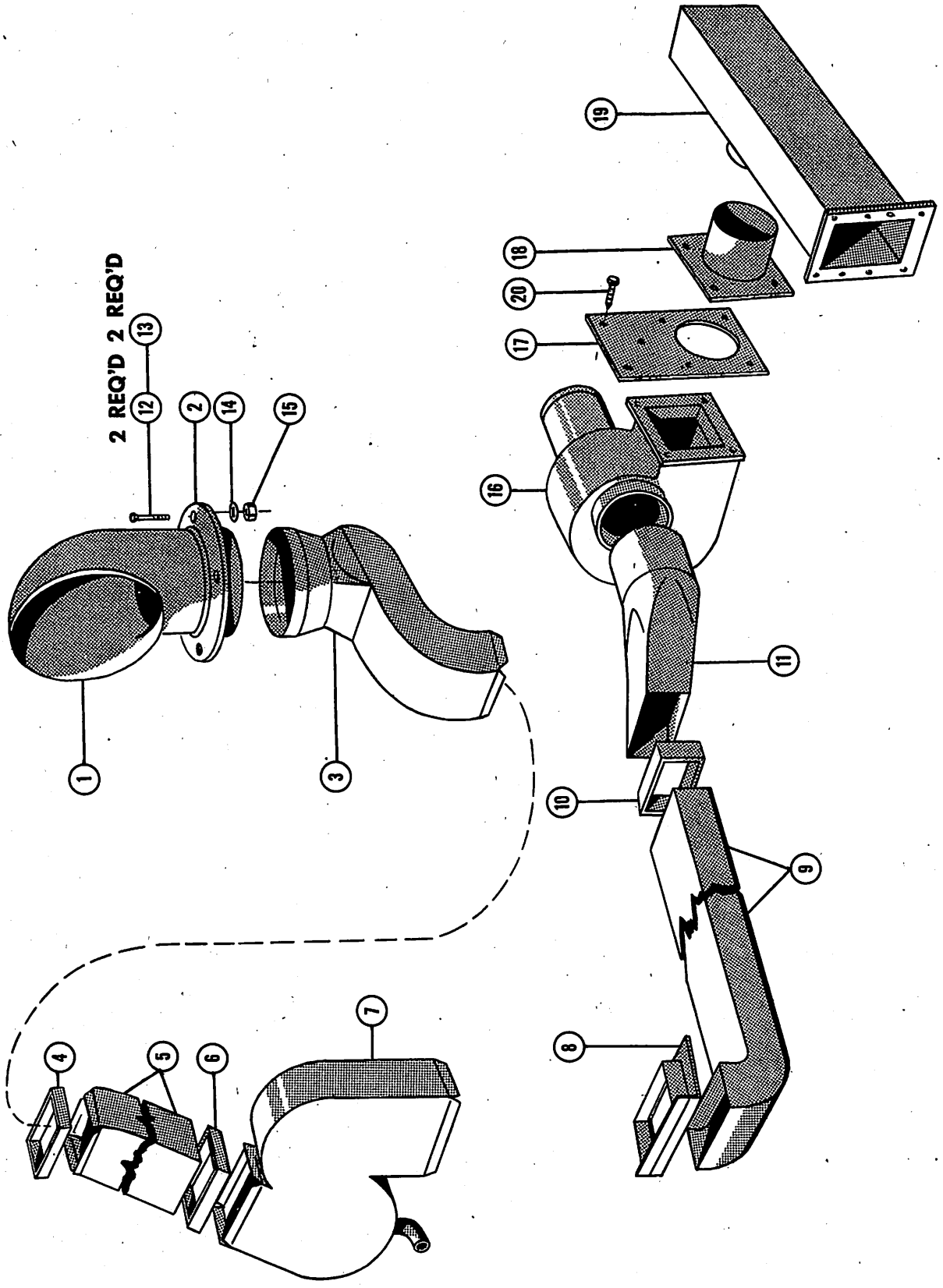


Figure 54—Senior Officers' Quarters' Blower Assembly

VENTILATION SYSTEM

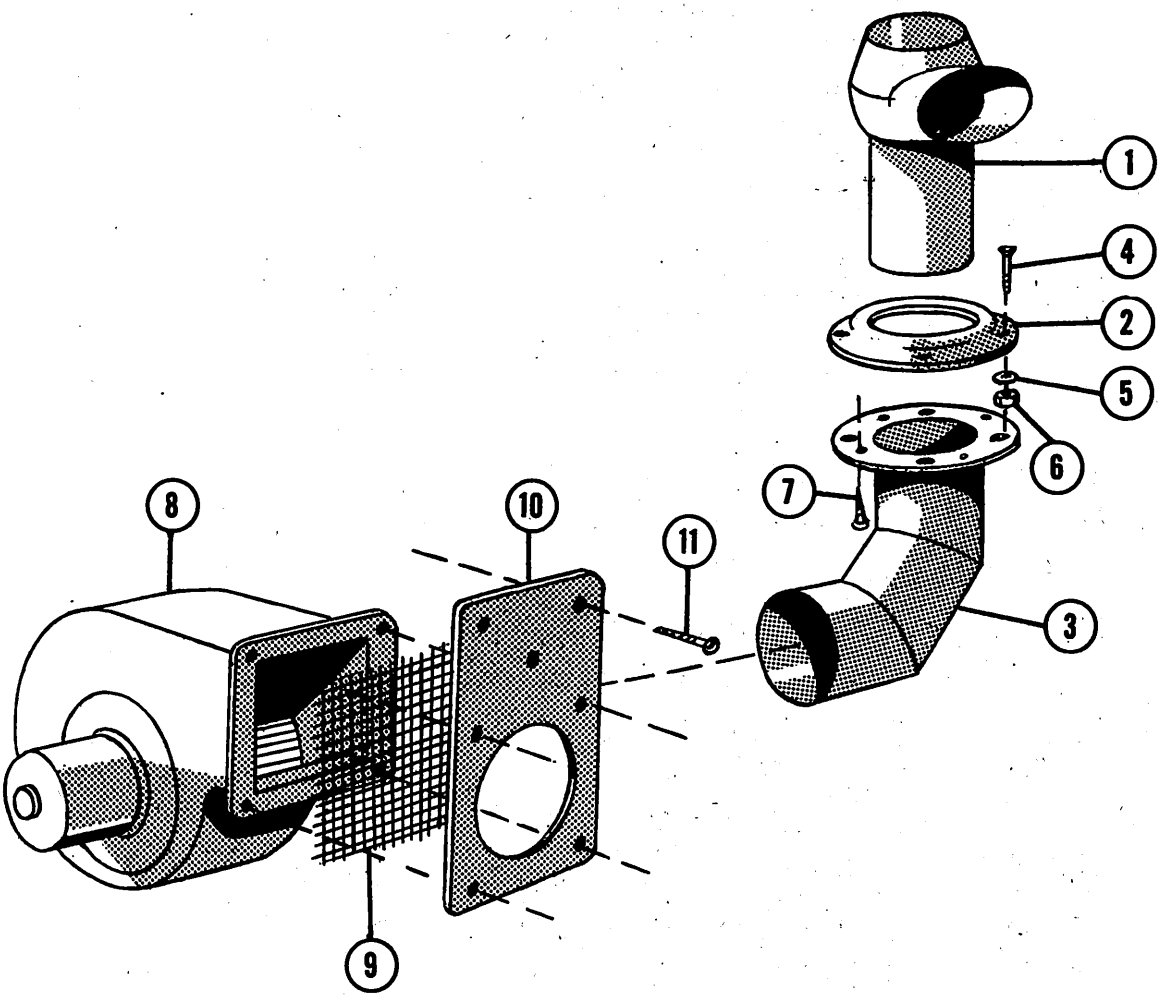


Figure 55—Junior Officers' Quarters' Blower Assembly, LH and RH

FIGURE & INDEX NUMBER	PART NUMBER		1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
			SENIOR OFFICERS' QUARTERS' BLOWER ASSEMBLY	
54		(a)	Blower Assy—Senior officers' quarters' (dwg 416-95)	1
54		(a)	Inlet Assy—Air	1
54- 1	*904		Ventilator—Cowl 5 x 10 x 13 in. (Willis)	1
2	987		Plate—Deck bronze 5 in. (Willis)	1
3	416-95-39		Duct—Steel galv	1
4	416-95-35		Joint—Collar	1
5	416-95-38		Duct—Steel galv	1
6	416-95-35		Joint—Collar	1
7	416-95-37		Trap—Steel galv	1
8	416-95-50		Ferrule—Steel galv	1
9	416-95-49		Duct—Steel galv	1
10	416-95-35		Joint—Collar	1
11	416-95-48		Adapter—Steel galv	1
12			Screw—FH machine galv ¼-20 x 2½ in.	2
13			Screw—FH machine galv ¼-20 x 4½ in.	2
14			Washer—Flat galv ¼ in.	4
15			Nut—Hex galv ¼ in.-20	4
16	104		Blower—Shielded 100 cu ft/min 4 in. 24-volt (Willis)	1
54		(a)	Outlet Assy—Air	1
17	416-95-20		Bracket—Blower hot rolled steel	1
18	416-95-47		Plate—Race steel galv	1
19		(a)	Duct Assy— Air outlet	1
20			Screw—RH wood galv No. 10 x 1½ in.	8

(a) *Non-procurable.*
* *Size to be specified when ordering.*

VENTILATION SYSTEM

FIGURE & INDEX NUMBER	PART NUMBER		NOMENCLATURE	UNITS PER ASSY
			JUNIOR OFFICERS' QUARTERS' BLOWER ASSEMBLY LH AND RH	
55		(a)	Blower Assy—Junior officers' quarters' LH (dwg 416-95)	1
55		(a)	Blower Assy—Junior officers' quarters' RH	1
55		(a)	Inlet Assy—Air	1
55- 1	*896		Ventilator—Sprayproof steel galv 5 in. (Willis)	1
2	987		Plate—Deck bronze 5 in. (Willis)	1
3	416-95-51		Duct—90° elbow 4 in. dia (LH only)	1
	416-95-52		Duct—90° elbow 4 in. dia (RH only)	1
4			Screw—FH machine galv ¼ in.-20 x 3½ in.	4
5			Washer—Flat galv ¼ in.	4
6			Nut—Hex galv ¼ in.-20	4
7			Screw—RH wood galv No. 7 x 1 in.	4
8	104		Blower—Shielded 100 cu ft/min 4 in. 24-volt (Willis)	1
9	No Number		Guard—Screen galv steel ¼ in. mesh x 3½ in. dia (dwg 416-95-11)	1
10	416-95-19		Bracket—Blower hot rolled steel	1
11			Screw—RH wood galv No. 10 x 1½ in.	3
			CREW'S TOILET BLOWER ASSEMBLY	
56		(a)	Blower Assy—Crews' toilet	2
56- 1	No Number		Guard—Screen steel ¼ in. mesh x 3 11/16 in. dia (dwg 416-27-12)	1
2	104		Blower—Shielded 100 cu ft/min 4 in. 24-volt (Willis)	1
3	987		Plate—Deck bronze 5 in. (Willis)	1
4	*896		Ventilator—Sprayproof steel galv 5 in. (Willis)	1
5			Screw—FH machine galv ¼-20 x 3½ in.	4
6			Washer—Flat galv ¼ in.	4
7			Nut—Hex galv ¼ in.-20	4
8			Screw—RH wood galv No. 10 x 1½ in.	4

EXHAUST TUBING ASSEMBLY

57		Exhaust Tubing Assy (dwg No. 416-35)	2
57- 1	416-35-7	Tubing—Fire tube hard drawn copper 4 OD x .083 in. wall	2
2	416-35-9	Gasket—Graphite asbestos 1/16 x 7½ in. dia	2
3	No Number	Flange—Engine 5 in. ID (dwg No. 416-35-8) (GFE)	2
4	416-35-2 and 6	Tubing Assy—Fire tube 4½ ID x .083 in. wall	2
5		Screw—Hex head machine bronze 5/16-24NF x 1¼ in.	16
6		Nut—Hex bronze 5/16 in.-24NF	16
7	416-35-10 and 22	Elbow Assy—Gun metal bronze 4½ ID with brass ½ in. IPS coupling	1
8	Comm	Tubing—Hard drawn copper 4½ ID x .083 in. wall (Spec. No. WW-T-799)	AR
9	416-35-11 and 22	Tee Assy—Gun metal bronze 4½ in. ID (one port side and one starboard side)	2
10		Clamp—Hose stainless steel 9 in. long	12
11	No Number	Hose—Rubber 7-ply steam 6 ID x 12 in. (Goodyear 3301 or equal)	1
12	416-35-4 and 5	Tubing Assy—Outlet exhaust 6 OD x .083 in. wall	1
13	416-35-12	Flange—Inner hull manganese bronze 6⅛ in. ID	1
14	416-35-13	Flange—Outer hull manganese bronze 6⅛ in. ID	1
15		Screw—FH bronze No. 10-24NC x 1½ in.	7
16		Nut—Hex bronze No. 10-24NC	7
17		Screw—FH wood bronze No. 10¾ in.	1

BONDING SYSTEM

		Bonding System	
	8661	Shielding—Tinned copper 3/8 in. (Belden)	AR
	8662	Shielding—Tinned copper 15/16 in. (Belden)	AR
		Strip—Copper 18 gage x 1 in.	AR
		Tack—Copper ¾ in.	AR
		Nail—Wire copper 1 in.	AR
		Screw—RH machine brass ½ in. x No. 6-32	52
		Nut—Hex brass No. 6-32	52
		Washer—Flat brass No. 6	104
		Bolt—Carriage galv 3 x ¼ in.-20	3
		Nut—Hex galv ¼-20	3
		Washer—Flat brass ¼ in. ID	3
		Solder—Wire 50-50 (lead-tin)	AR
		Paste—Soldering Nokorode or equal	AR

(a) *Non-procurable.*
* *Size to be specified when ordering.*

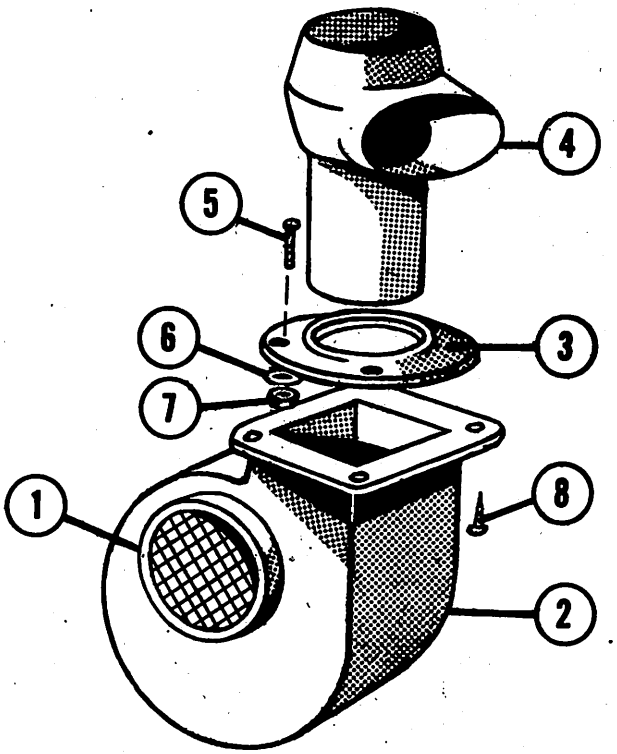


Figure 56—Crew's Toilet Blower Assembly

VENTILATION SYSTEM

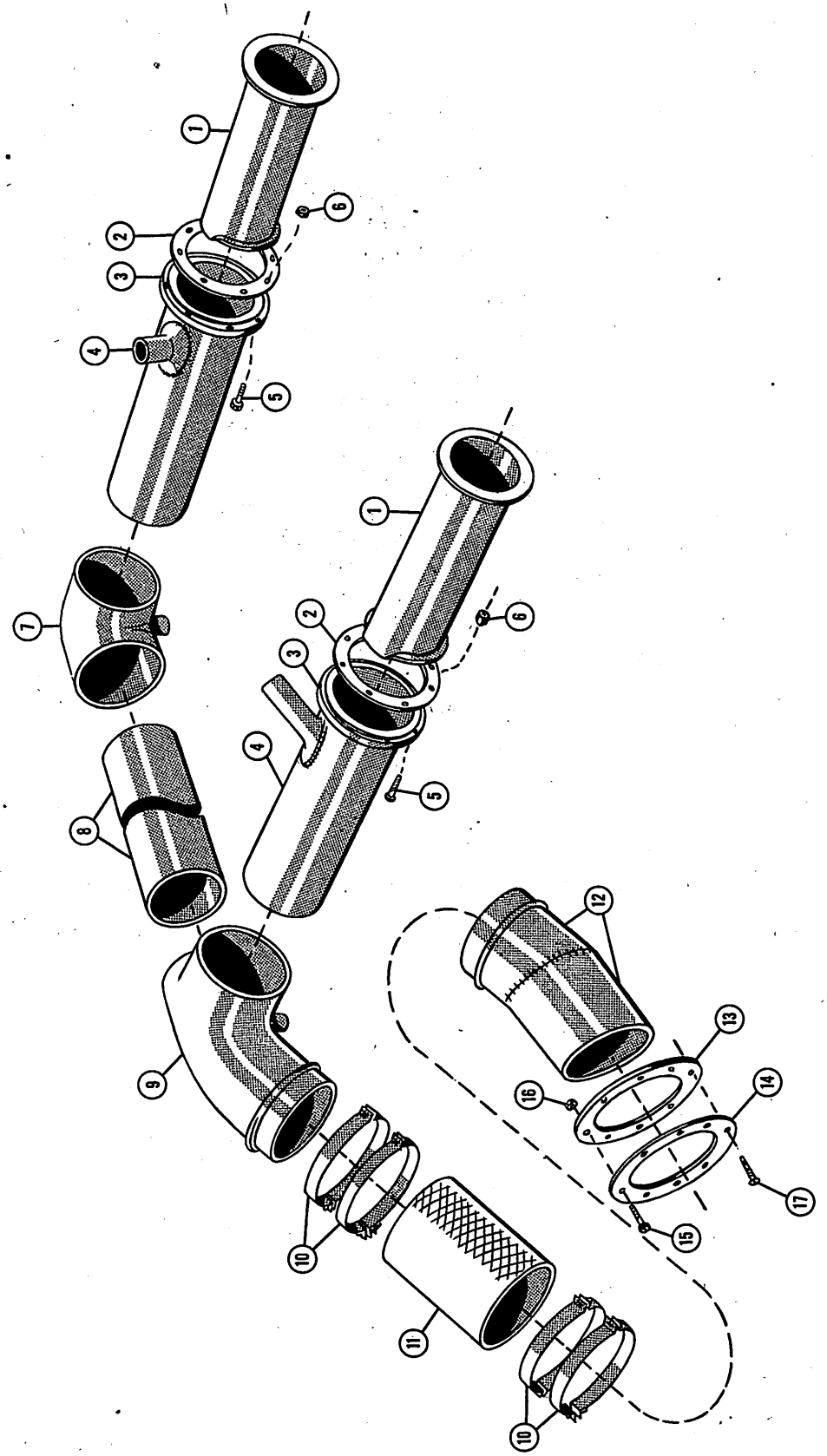


Figure 57—Exhaust Tubing Assembly

MISCELLANEOUS EQUIPMENT

FIGURE & INDEX NUMBER	PART NUMBER	1 2 3 4 5 6 7 NOMENCLATURE	UNITS PER ASSY
		EXTERIOR LIGHTING AND SIGNALLING ASSEMBLY	
		Miscellaneous Equipment (dwg 416-68) assy	
	No Number	Exterior Lighting and Signalling (dwg 416-68)	1
	No Number	Port Light Assy (dwg 416-68)	1
	No Number	Spigot Assy (dwg 416-68-1)	1
	No Number	Ring—Finishing (dwg 416-68-2)	1
		Screw—RH machine cad. plate steel 5/16-18 x 2¼ in.	8
		Nut—Hex cad. plate steel 5/16 in.-18	8
	No Number	Frame Assy—Inner (dwg 416-68-3)	1
	No Number	Retainer—Glass (dwg 416-68-4)	1
	416-68-4	Glass—Port Light (dwg 416-68-5)	1
	416-68-6	Cover Assy (dwg 416-68-6)	1
	416-68-7	Bolt—Swing (dwg 416-68-7)	2
	416-68-10	Pin—Hinge swing bolt (dwg 416-68-8)	2
		Nut—Wing cad. plate steel 3/8 in.-16 cold forged	2
	No Number	Pin—Hinge (dwg 416-68-10)	1
		Pin—Cotter cad. plate steel 1/16 x 1/2 in.	2
		Screw—RH machine cad. plate steel No. 10-24 x 5/8 in.	6
		Nut—Hex cad. plate steel No. 10-24	6
		Gasket—Sponge rubber 1/16 in. dia x 2 ft 8½ in.	2
	968	Screen—Insect 10 in. dia (Willis)	AR
	266	Sidelight—Port class III (Willis)	2
	No Number	Base and Mount Assy—Binnacle (dwg 416-101)	
	No Number	Pad—Mounting fir ply ¼ x 9 5/16 in. dia waterproof (dwg 416-101-1)	1
	AN8008-7	Mount—Shock 6 lb (Lord)	7
		Screw—RH machine brass ¼-20 x 1½ in.	7
		Washer—Flat brass ¼ in. SAE	10
		Washer—Lock brass ¼ in.	7
		Nut—Hex brass ¼ in.-20	7
		Screw—RH wood brass No. 5 x ½ in.	28
	9S4634L	Socket—Bayonet base candelabra dc bakelite	2
	304	Lamp—Candelabra bayonet base dc, 6 candle power, 24-volt (G.E.)	2
		Screw—RH wood brass No. 6-32 x 5/8 in.	4
	1544	Light—Binnacle (Willis)	2
	264	Bow Light—Class III (Willis)	1
	1633	Searchlight—Raylight (P.L. Co.)	1
	301	Light Assy—Mast head and stern Class I (Willis)	2
	P-288	Lens—Blue fresnal glass 3 1/16 x 3 1/16 in. dia (Willis)	1
		Gasket—Lens Vellumoid 1/16 x 3 1/16 OD x 2 5/8 in. ID	4
		Gasket—Screw Vellumoid 1/16 x ½ OD x 3/16 in. ID	4
		Gasket—Mounting Vellumoid 1 1/16 x 1 5/8 in.	2
		Screw—RH machine cap assembly electro galv steel No. 10-24 x 4 in.	4
	P288	Lens—Clear fresnel glass 3 1/16 x 3 1/16 in. dia (Willis)	1
	9S4634L	Socket—Baynote base candelabra dc bakelite	2
		Screw—RH machine, socket fastening, elctro galv steel No. 6-32 x ¾ in.	4
	304	Lamp—Candelabra bayonet base dc, 6 candle power, 24-volt (G.E.)	2
		Screw—RH wood galv steel base to mast fastening No. 8 x ¾ in.	4
	416-97-11	Tang—Antenna and halyard steel 1/8 x ¾ x 1 7/8 in.	6
	416-97-12	Cap—Masthead lite top steel 16 gage x 4 in. dia	2
	416-97-13	Cap—Masthead lite bottom steel 16 gage x 4 in. dia	2
	416-97-14	Base—Masthead lite steel .065 x 2 5/8 in. OD x 3 in. seamless tubing	2
	416-97-15	Screen—Light steel 20 gage 3 7/8 x 10 15/16 in.	1
		Screw—RH machine steel light screen fastening No. 8-32 x 1 in.	2
		Nut—Hex steel light screen fastening No. 8-32	2
		Searchlight—Port and starboard type DCE 500 w-24 volt (Crouse Hinds)	2
	No Number	Whistle Assy—Air (dwg 416-106) (Doran)	1
	EA1B	Whistle—Air (Doran)	1
		Nipple—Close brass 3/8 in. IPS	1
		Washer—Flat brass 3/8 in. ID standard	2
		Elbow—90° brass ½ in. fine thread to 3/8 in. female pipe	1
	41F	Nut—Brass ½ in. fine thread (Imperial Brass)	2
	48F	Union—Brass ½ in. fine thread to 3/8 in. male pipe (Imperial Brass)	1
	Comm	Tubing—Copper ½ in. OD x .035 wall (Spec. No. WW-T-799)	AR
		Strap—Tube brass ½ in.	6
		Screw—RH wood galv No. 5 x ½ in.	24
		Strap—Tube brass 5/16 in.	6
	1EA1B	Compressor and Relay Assy—24-volt dc (Doran)	1
		Screw—FH wood galv No. 10 x 2½ in.	8
		Screw—FH wood galv No. 10 x 1½ in.	6
		Screw—RH machine galv ¼ in.-20 x 1½ in.	4
		Nut—Hex galv ¼ in.-20	4
		Washer—Flat galv ¼ in. standard	4
		RESCUE NET ASSEMBLY	
	416-7[illegible]	Rescue Net Assy	2
		Rope—Manila 5/8 in. dia	AR
		Marline—Medium	AR
		Twine—Sail ball cotton	AR
		Batten—Upper oak ¾ x 2 in. x 8 ft 3 in.	1
		Batten—Lower oak ¾ x 2½ in. x 8 ft 3 in.	1
		Weight—Sounding Line lead 1 lb	4
		Screw—RH wood steel galv ¾ in. x No. 8	8
	1374	Hook—Boat snap steel galv No. 5 (Willis)	9
		Bolt—Eye shoulder steel galv 2½ x 3/8 in.	9
		Nut—Steel galv 3/8 in.	9
		Washer—Steel galv 3/8 in. ID	9

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
	6700			AN286-1	3	9
	6600			AN6227-29	12	4
	6600			AN8008-7	73	7
	6700			AN935-10	57	2
	6700			AN935-1016	35	6
	6700			AN935-816	15	2
	6700			AN935B416	60	4
	6700			AN960-1016	35	8
	6500			AN960-616	16	17
	6500			AN960-B516	29	16
				DF3059	33	
				DF3075	33	
				DF3086	33	
				DF3087	33	
				DF3088	33	
				DF3089	33	
				DF3091	33	
				DF3093	33	
				DF3097	33	
				DF3099	33	
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				DF3106	33	
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				DF3155	33	
				DF3196	33	
				DF3589	33	
				DF3779	33	
				DF3824	33	
				DF3883	33	
				DF3888	33	
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				DF3896	33	
				DF3898	33	
				DF3941	33	
				DF3956	33	
				DF3958	33	
				DF3967	33	
				DF3975	33	
				DF3976	33	
				DF3991	33	
				DF4047	33	
	6700			ED525	19	4
	6700			E1-12E	42	2
	1975			E10-14DB	20	4
	1975			E10-3DB	20	8
	6700			E3-10D	22	2
	1975			E5-45B	25	2
	1975			E5-4SB	25	6
	1975			E5-5SB	25	2
	1975			E582-57	18	2
	3400			FR269	18	6
	1975			H119-5-4	13	8
				H119-5-5	13	4
	3400			KS8L	18	4
	1975			M150	29	4
	6700			N06	6	1
	6700			N1-6	51	2
	6700			N2-10	20	14
	6700			N2-12	42	2
	6700			N2-3	25	3
	6700			N2-6	25	24
	6700			N2-8	24	4
	1975			P1	12	2
	1975			P10	12	4
	1975			P10A	12	4
	1975			P11	12	2
	1975			P12	12	2
	1975			P13	12	2
	1975			P14	12	2
	1975			P15	12	4
	1975			P16	12	2
	1975			P1688	58	1
	1975			P17	12	4
	1975			P2	12	2
	1975			P20	16	1
	1975			P21	16	1
	1975			P22	16	1
				P23	16	6
	1975			P24	16	1
				P25	16	4
	1975			P26	16	1
	1975			P27	16	1
	1975			P288	78	4
	1975			P29	16	1
	1975			P8	12	2

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
				P30	16	4
	1975			P31	16	4
				P32	16	4
	1975			P33	16	3
	1975			P34	16	1
	1975			P36	16	2
	1975			P37	16	1
				P38	16	1
	1975			P4	12	2
	1975			P41A	12	2
	1975			P41B	13	2
	1975			P42A	13	8
	1975			P42B	13	2
	1975			P43A	13	8
				P43B	13	2
	1975			P46A	13	8
	1975			P46B	13	12
				P47A	13	8
	1975			P48A	13	8
	1975			P49A	13	8
	1975			P5	12	2
	1975			P50A	13	8
	1975			P508	18	2
	1975			P55	14	1
	1975			P56	14	1
	1975			P57	14	1
	1975			P58	14	3
	1975			P59	14	1
	1975			P590	10	AR
	1975			P60	14	2
	1975			P61	14	2
	1975			P62	14	3
	1975			P63	14	3
	1975			P64	14	3
	1975			P64A	14	3
	1975			P65	14	8
	1975			P65A	14	8
	1975			P66	14	4
	1975			P67	14	1
	1975			P68	14	2
	1975			P69	14	2
	1975			P7	12	2
	1975			P71	14	10
	1975			P71A	14	1
	1975			P71B	14	1
	1975			P71C	14	1
	1975			P71J	14	8
	1975			P71K	14	1
	1975			P71L	14	4
	1975			P72	15	1
	1975			P75	15	1
	6700			P76	15	1
	1975			P77	15	1
	1975			P8	12	6
	1975			P81	16	1
	1975			P86	15	2
	1975			P87	15	2
	6700			P91	15	2
	1975			P985	11	1
	6700			RC50	4	6
	3400			SNW06	4	2
	3400			SNW07	5	5
	6700			T2-3	25	1
	6700			T2-6	25	4
	6700			U1-10C	61	4
	6700			U1-10D	22	18
	6700			U1-3A	21	12
	6700			U1-6B	25	2
	6700			U1-6D	51	1
	6700			U1-8C	21	4
	6700			U2-10	54	12
	6700			U3-3A	25	1
	6700			V1-44	37	1
	6700			W06	6	1
	1975			01108	56	2
	1975			01459	56	1
	1975			02409	56	1
	1975			02410	56	1
	1975			02817	56	1
	1975			03369	65	1
	1975			0337	56	2
	1975			054	56	2
	1975			06124	56	1
	1975			0676	56	1
	1975			07186	56	1
	1975			07187	56	1
	1975			07236	56	1

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
	1975			07238	56	1
	1975			07244	56	1
	1975			07249	57	1
	1975			07304	57	1
	1975			0802	56	1
	1975			0992	56	4
	1975			1EA1B	78	2
	C.E.			10	51	2
	1975			104	60	5
	1975			105	61	4
	1975			105161	56	1
	4500			106213	56	1
				108443	18	2
	1975			108444	18	2
	1975			108501	18	2
	1975			108506	18	2
	1975			108507	18	2
	1975			108998	18	2
	1975			109004	18	2
	1975			109146	18	4
	1975			1104	47	6
	1975			1110	47	6
	6700			1204	21	3
	3400			1206K	4	7
	1975			135-10	20	6
	1975			1374	78	18
	1975			14907	18	2
	1975			1544	78	2
	6700			1611	38	5
	1975			1638	78	1
	1975			1892	40	2
	1975			1918	40	1
	1975			1918S	40	1
	C.E.			19228	51	2
	C.E.			19669	51	2
	1975			2S1239	21	2
	6700			2032	44	1
	6700			2043	43	2
				215333	18	2
	6500			22M40	18	2
	3400			2306	6	1
	C.E.			2354	54	4
	6700			248120	10	2
	6600			25-16	31	2
	1975			264	78	1
	C.E.			2649	51	1
	1975			266	78	2
	6700			2708	47	7
	6700			2974	47	1
	6800			2975	45	AR
	1975			301	78	2
	C.E.			301-12387	51	1
	8800			304	78	6
	1975			3060	39	2
	1975			31217	45	1
	1975			31217-10	45	1
	1975			31217-12	45	1
	1975			31217-13	45	1
	1975			31217-16	45	1
	1975			31217-18	45	1
	1975			31217-19	45	4
	1975			31217-2	45	1
	1975			31217-22	45	1
	1975			31217-24	45	2
	1975			31217-25	45	2
	1975			31217-26	45	2
	1975			31217-27	45	2
	1975			31217-28	45	1
	1975			31217-29	45	2
	1975			31217-3	45	1
	1975			31217-30	45	1
	1975			31217-31	45	1
	1975			31217-33	45	4
	1975			31217-4	45	1
	1975			31217-6	45	1
	1975			31217-8	45	1
	1975			31217-9	45	1
	1975			3302	45	1
	6700			34	31	5
	6700			35	35	1
	6700			3525	45	1
	6700			3532	47	7
	6700			3533	43	1
	6700			3655	19	
	6700			3706	43	2
	1975			379-27-10	54	3
	1975			379-27-11	54	3
	1975			379-27-12	54	3
	1975			379-31	49	2
	6700			379-71-11	16	2
	6700			379-71-13	16	1
	6700			379-71-16	12	4
	6700			379-71-14	16	4
	1975			379-71-9	16	1
	6700			3901	45	2
	1975			4023	43	1
	1975			416-116-11	49	2
	1975			416-112-11	18	1
	1975			416-112-21	18	2
	1975			416-112-22	18	2
	1975			416-112-9	18	1
	1975			416-116-12	49	2
	1975			416-116-20	49	1
	1975			416-116-35	51	1
	1975			416-116-36	51	1
	1975			416-20-23	35	2
	1975			416-20-29	35	2
	1975			416-20-3	35	2
	1975			416-20-30	35	2
	1975			416-20-31	35	6
	1975			416-20-33	35	2
	1975			416-20-34	35	2
	1975			416-20-53	35	2
	1975			416-20-54	35	2
	1975			416-20-56	35	2
	1975			416-20-57	35	4
	1975			416-23-3	35	2
	1975			416-23-4	35	2
	1975			416-23-6	35	2
	1975			416-23-7	35	2
	1975			416-23-8	35	4
	1975			416-24-42	51	1
	1975			416-26-13	57	1
	1975			416-26-14	57	1
	1975			416-26-20	54	3
	1975			416-27-25	63	1
	1975			416-27-27	63	1
	1975			416-27-28	61	1
	1975			416-27-30	61	1
	1975			416-27-76	60	AR
	1975			416-27-77	60	AR
	1975			416-27-78	60	AR
	1975			416-27-79	60	1
	1975			416-27-80	60	5
	1975			416-27-81	60	2
	1975			416-27-82	60	AR
	1975			416-29-2	20	2
	1975			416-29-3	20	8
	1975			416-29-64	21	2
	1975			416-29-65	21	1
	1975			416-29-84	21	1
	1975			416-30	20	2
	1975			416-30-4	22	2
	1975			416-31B	3	1
	1975			416-31E	4	1
	1975			416-31H	5	1
	1975			416-31I	4	1
	1975			416-31J	6	1
	1975			416-31K	8	1
	1975			416-31L	8	1
	1975			416-31M	8	1
	1975			416-31N	8	1
	1975			416-31O	6	1
	1975			416-31P	6	1
	1975			416-31R	11	1
				416-31W	6	1
	1975			416-31Z	11	1
	1975			416-31-6	8	3
	1975			416-34-1	29	8
	6700			416-34-18	29	2
	1975			416-34-57	29	2
	1975			416-35-10	70	2
	1975			416-35-11	70	4
	1975			416-35-12	70	2
	1975			416-35-13	70	2
	1975			416-35-2	70	4
	1975			416-35-4	70	2
				416-35-7	70	4
	1975			416-35-9	70	4
	1975			416-47-10	8	1
	1975			416-47-11	8	1
	1975			416-47-12	8	1
	1975			416-47-14	8	1
	1975			416-47-15	8	1

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
	1975			416-47-17	5	1
	1975			416-47-18	5	1
	1975			416-47-19	5	1
	1975			416-47-2	3	1
	1975			416-47-20	4	1
	1975			416-47-21	4	4
	1975			416-47-22	4	2
	1975			416-47-23	3	1
				416-47-24	3	1
	1975			416-47-25	3	1
	1975			416-47-26	3	1
	1975			416-47-27	3	1
	1975			416-47-28	3	1
	1975			416-47-29	3	1
	1975			416-47-3	5	1
	1975			416-47-30	3	1
	1975			416-47-31	3	1
	1975			416-47-32	3	1
	1975			416-47-33	3	1
	1975			416-47-34	3	1
	1975			416-47-35	3	1
	1975			416-47-36	3	1
	1975			416-47-37	3	1
	1975			416-47-4	5	1
	1975			416-47-5	3	1
	1975			416-47-51	4	1
	1975			416-47-52	8	3
	1975			416-47-6	4	2
	1975			416-47-7	4	2
	1975			416-47-8	8	5
	1975			416-47-9	8	1
	1975			416-48-44	6	4
	1975			416-48-45	4	2
	1975			416-48-46	4	2
	1975			416-48-47	5	8
	1975			416-48-48	5	13
	1975			416-48-49	4	2
	1975			416-48-50	4	4
	1975			416-48-51	4	3
	1975			416-48-52	5	2
	1975			416-48-53	6	1
	1975			416-48-54	8	1
	1975			416-48-55	8	1
	1975			416-48-56	8	1
	1975			416-48-57	8	6
	1975			416-48-58	8	3
	1975			416-48-59	6	1
	1975			416-48-60	6	1
	1975			416-48-61	6	1
	1975			416-48-62	10	2
	1975			416-48-63	10	2
	1975			416-49-122	3	1
	1975			416-49-123	11	1
	1975			416-49-124	4	2
	1975			416-49-125	3	4
	1975			416-49-67	11	1
	1975			416-49-68	11	1
	1975			416-49-69	11	1
	1975			416-49-70	11	1
	1975			416-49-71	4	1
	1975			416-49-72	11	1
	1975			416-49-73	11	1
	1975			416-49-74	11	1
	1975			416-49-75	11	2
	1975			416-49-76	10	4
	1975			416-49-77	11	1
	1975			416-49-78	11	1
	1975			416-49-79	10	2
	1975			416-49-80	10	2
	1975			416-49-81	10	2
	1975			416-49-82	10	2
	1975			416-49-83	10	2
	1975			416-49-85	6	1
	1975			416-49-86	6	1
	1975			416-49-88	6	2
	1975			416-49-89	10	2
	1975			416-49-92	6	1
	1975			416-52	27	2
	1975			416-52-3	27	2
	1975			416-52-4	27	2
	1975			416-52-5	27	2
	1975			416-68-4	73	1
	1975			416-68-6	73	1
	1975			416-69	37	1
	1975			416-69-6	37	2
	1975			416-69-7	37	2
	1975			416-94-10	57	1

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
	1975			416-94-11	57	1
	1975			416-94-12	57	1
	1975			416-94-9	57	1
	1975			416-95-15	63	1
	1975			416-95-16	61	1
	1975			416-95-17	66	2
	1975			416-95-18	63	2
	1975			416-95-19	70	1
	1975			416-95-20	69	1
	1975			416-95-21	66	1
	1975			416-95-22	63	1
	1975			416-95-23	66	1
	1975			416-95-24	63	4
	1975			416-95-26	66	1
	1975			416-95-34	66	1
	1975			416-95-35	66	6
	1975			416-95-36	66	1
	1975			416-95-37	66	2
	1975			416-95-38	66	2
	1975			416-95-39	66	2
	1975			416-95-40	66	1
	1975			416-95-41	66	1
	1975			416-95-42	66	2
	1975			416-95-43	66	1
	1975			416-95-44	66	1
	1975			416-95-45	66	1
	1975			416-95-47	69	1
	1975			416-95-48	69	1
	1975			416-95-49	69	1
	1975			416-95-50	69	1
				416-95-51	70	
	1975			416-95-52	70	1
	1975			416-97-11	73	12
	1975			416-97-12	73	4
	1975			416-97-13	73	4
	1975			416-97-14	73	4
	1975			416-97-15	73	2
	6700			41F	73	2
	6700			4102	38	5
	6700			4104	44	1
	6700			4105	47	2
	6700			4109	42	2
	6700			4117	47	4
	6700			4181	45	AR
	6700			4187	45	7
	6500			42EO-48	18	2
	6700			4208	47	1
	6700			4229	47	1
	1975			4275	42	1
	1975			4276	31	12
	6700			432	49	7
				4403	47	2
	C.E.			4408	54	1
	C.E.			4418	54	1
	6700			4436	49	1
	C.E.			4467	51	1
	6700			449½	21	21
	1975			451	3	1
	1975			470040	56	2
	1975			470569	56	1
	4500			470647	56	1
	1975			470861	56	1
	1975			470874	56	1
	1975			470875	56	1
	1975			470876	56	3
	1975			470877	56	1
	1975			470878	56	1
	1975			470879	56	1
	1975			470880	56	1
	1975			470882	56	1
	1975			470904	56	1
	1975			470905	56	6
	1975			470916	56	1
	1975			470916	56	1
	1975			470917	56	2
	1975			470918	56	14
	4500			470919	56	1
	1975			470921	56	1
	1975			470926	56	1
	1975			470975	56	1
				470977	57	1
	4500			470984	56	1
	1975			471043	56	1
	1975			471044	56	2
	1975			471045	56	2
	1975			471046	56	1

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
	1975			471047	56	1
	1975			471048	56	1
	1975			471049	56	1
	1975			471081	56	1
	1975			471082	56	1
	1975			471086	56	1
	1975			471107	56	4
	1975			471109	56	1
	1975			471289	56	1
	1975			471519	56	1
	1975			471603	56	1
	1975			471621	56	1
	1975			471739	56	1
	1975			471826	56	1
	1975			471827	56	1
	1975			471830	56	1
	1975			471831	56	1
	1975			472928	56	1
	6700			48F	73	1
	1975			570	35	6
	C.E.			60566	51	3
	3400			6208	10	2
	6700			624	27	2
	1975			6384	18	2
	1975			6394	18	2
	1975			6395	18	2
	1975			6500	39	2
	1975			6500A	40	1
	1975			6617	18	2
	C.E.			6824	51	2
	6700			7	54	2

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
	6700			700	35	6
	6700			702	29	2
	1975			7142	18	4
	1975			7160	18	2
	1975			7168-2	18	2
	1975			7181	81	2
	4500			7228	56	10
	1975			7232	18	2
	C.E.			76006	51	1
	1975			7627	18	2
	6700			807	5	3
	1975			816	47	6
	1975			8255	18	4
				8263	18	2
	1975			8265	18	2
	1975			8268	18	2
	1975			8350	18	2
	C.E.			8353	54	6
	1975			8386	18	4
	8800			8661	70	
	8800			8662	70	
				8801	19	11
	1975			896	70	3
	8800			9S4634L	73	6
	1975			904	61	6
	8800			9023	19	2
	4500			91011	56	6
	4500			91273	56	3
	1975			963	73	
	1975			985	20	5
	1975			987	61	10

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
				Adapter—Inlet	49	1
				Adapter—Outlet	49	1
	1975			Ammeter—External shunt	19	1
				Ammeter—Furnished with engine	19	2
				Arm Assy—Control	13	4
	6700			Arm—Tiller	11	1
	1975			Base and Mount Assy	73	
	7200			Batten—Lower	73	2
	7200			Batten—Upper	73	2
	1975			Bearing—Bushing	16	4
				Bearing Assy—Rudder	3	1
				Bearing Assy—Spline	8	6
				Blower Assy—Cockpit	60	1
				Blower Assy—Crew's toilet	70	2
				Blower Assy—Engine room aft port	63	1
				Blower Assy—Engine room aft starboard	61	1
				Blower Assy—Engine room forward port	66	1
				Blower Assy—Engine room forward starboard	63	1
				Blower Assy—Galley	66	1
				Blower Assy—LH Junior officers' quarters	70	1
				Blower Assy—RH Junior officers' quarters	70	1
				Blower Assy—Senior officers' quarters	69	1
	6700			Bolt—Carriage ¼-20 x ½	60	4
	1975			Bolt—Carriage 5/16 x 1½	3	4
	1975			Bolt—Carriage bronze ⅛ x 2½	3	2
	1975			Bolt—Carriage bronze ⅛ x 3½	29	22
	1975			Bolt—Carriage bronze ½-13 x 3	10	4
	1975			Bolt—Carriage galv ¼ x 1¾	57	8
	1975			Bolt—Carriage galv ¼ x 2¼	57	4
	1975			Bolt—Carriage galv ¼-20 x 3	70	3
	1975			Bolt—Carriage galv 5/16-18 x 3½	8	2
	1975			Bolt—Carriage galv ⅜-16 x 3	5	8
	6700			Bolt—Carriage ⅜-16 x 2½	35	8
	1975			Bolt—Carriage galv ⅜ x 3½	4	2
	1975			Bolt—Carriage galv ⅜-16 x 7½	27	1
	1975			Bolt—Carriage galv ½-13 x 3½	6	8
	1975			Bolt—Eye	73	18
	1975			Bolt—FH bronze ¼-20 x 1 in.	49	4
	1975			Bolt—FH bronze 5/16-18 x 2½	49	4
	1975			Bolt—FH bronze ⅜-16	48	4
	1975			Bolt—FH bronze ½-13	51	4
	6700			Bolt—Hex-hd ⅜-18 x 2	35	16
	6700			Bolt—Hex-hd ½-20NF x 3½	15	2
				Bolt—Oval hd	10	2
	1975			Bolt—Shaft log	35	20
	1975			Bolt—Strut ½-13 x 6	35	8
	1975			Bolt—Strut ½-13 x 7	35	12
				Bolt—Socket ⅜-24NF x ¾	15	2
				Bolt—Socket ⅜-24NF x 1¼	15	2
	1975			Bolt—Swing	73	2
	7100			Boot—Stuffing	35	2
				Boot Assy—Grease	6	5
	1975			Box Assy	19	2
	1975			Box Assy—Clutch cam	16	1
	1975			Box—Stuffing	51	6
	1975			Bracket—Cylinder	12	2
	1975			Bracket—Pump	15	2
				Bracket Assy—Mounting	15	1
				Bulkhead Assy—Thru	47	5

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
	6700			Bushing—Brass ⅛ x ¼ in.	25	1
	6700			Bushing—Brass ¾ x ½ in.	20	8
	6700			Bushing—Brass ½ x 2 in.	31	2
	6700			Bushing—Brass 1¼ x 1½ in.	32	4
	6700			Bushing—Brass 1½ x 2 in.	29	2
	6700			Bushing—Brass 2 in.	31	2
	6700			Bushing—Malleable iron	49	1
	6700			Bushing—Reducing	37	1
	1975			Cam and Lever Assy	16	1
	7100			Canvas—Duck	6	5
	6700			Cap—Pipe	54	2
	6700			Chain—Safety	47	6
	6700			Chain—Sprocket	3	1
				Chain Assy—Limber	47	6
	C.E.			Clamp—Cable	51	1
				Clamp—Hose ½ x 6	45	30
				Clamp—Hose ½ x 12	35	10
				Clamp—Hose 1 in.	41	2
				Clamp—Hose 2⅞ in.	49	4
				Clamp—Hose 3½	49	4
				Clamp—Hose 4 in.	39	4
				Clamp—Hose 5 in.	39	12
				Clamp—Hose 6 in.	40	8
				Clamp—Hose 7 in.	29	16
				Clamp—Hose 8 in.	32	12
				Clamp—Hose 9 in.	29	44
				Clamp—Hose 12 in.	20	4
	1975			Closet Assy—Water	44	1
				Connection—Hose	18	1
				Control Assy—Fire extinguishing	51	1
	1975			Control Receiver Assy	18	2
	6700			Coupling	54	4
	6700			Coupling—Reducing	38	2
	1975			Cover Assy—Handhole	37	2
	6700			Cross—½ in.	54	1
	6700			Cross—Brass 1½ in.	32	2
	1975			Cup—Grease	45	1
	C.E.			Cylinder—CO^2	51	2
	1975			Cylinder Assy—Hydraulic	12	2
	1975			Discharge Assy—Centrifugal	45	1
				Discharge Assy—Pump	49	1
	1975			Door—Center panel	19	1
	1975			Door—Fuse panel	19	2
				Drain Assy—Lavatory	39	2
				Drain Assy—Sink	40	1
				Drive Assy—Hydraulic pump	15	2
	1975			Duct—Assy—Air outlet	69	1
	6700			Elbow—45° brass 1¼ in.	32	12
	6700			Elbow—45° brass 1½ in.	31	2
	6700			Elbow—45°C 1¼	45	3
	6700			Elbow—45°C 1½	44	1
	6700			Elbow—45° iron 1½ in.	49	11
	6700			Elbow—90° iron 2½ in.	49	AR
	6700			Elbow—90° street brass ⅛	54	8
	6700			Elbow—90° street brass ¾ in.	21	2
	6700			Elbow—90° street brass ½ in.	22	3
	6700			Elbow—90° street brass ¾ in.	20	6
	6700			Elbow—90° street brass 1 in.	29	29
	6700			Elbow—90° street brass 1¼ in.	45	2
	6700			Elbow—90° brass 1½	31	20
	6700			Elbow—90° brass 2 in.	31	2
	6700			Elbow—90° brass 3 in.	49	1
	6700			Elbow—90°C ¼	54	1
	6700			Elbow—90° street galv ¾	57	1
	6700			Elbow—90° iron 1½	49	35
	6700			Elbow—90° galv ¾	54	1
	6700			Elbow—Union half	14	8
	C.E.			Extinguisher—4-lb	51	5
	C.E.			Extinguisher Assy—15-lb	51	2
				Exhaust and Tubing Assy	70	2
	6700			Fastener—Snap	6	15
	1975			Fitting—⅛ x ⅛ in.	54	3
	1975			Fitting—⅛ x ¼ in.	54	3
	1975			Flange—Engine	70	4
	6700			Flange—Steel ¼	27	2

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
	6700			Flange—Steel ⅜	37	2
	1975			Flange—Steel ½	27	4
	6700			Flange—Steel 1 in.	27	4
	6700			Flange—Brass 1½ in.	27	2
	6700			Flange—Steel 1½ in.	37	10
	1975			Flange—Wrought steel	51	4
	1975			Frame Assy—Inner	78	1
	1975			Funnel—Bilge	47	7
				Gage—Fuel	19	2
				Gage—Oil pressure	19	2
				Gage—Oil temperature	19	2
				Gage—Pressure	25	1
				Gage — Water temperature	19	2
				Gage Assy—Oil	27	2
	6700			Gasket—Lens	78	8
	6700			Gasket—Mounting	78	4
	6700			Gasket—Screw	78	8
	6600			Gasket—Sponge	78	3
	C.E.			Generator—Foam	49	1
	1975			Gland Assy	12	2
	1975			Guard—Belt	15	2
	1975			Guard—Cam box	16	1
	1975			Guard—Screen 3½ in.	70	1
	1975			Guard—Screen 3 11/16 in.	70	2
	1975			Guard—Screen 4½ in.	68	1
	1975			Guard—Screen 6 in.	68	2
				Head Assy—Cylinder	51	1
				Heater Assy—24-volt	54	7
	1975			Hinge—Center	19	1
	1975			Hinge—Side	19	2
				Holder—Outlet tube	20	2
	6600			Hose—Buna	20	2
	1975			Hose—Metal	25	6
				Hose—Neoprene	49	AR
	6600			Hose—Rubber ½ in.	45	1
	6600			Hose—Rubber ⅝ in.	39	3
	6600			Hose—Rubber ¾ in.	39	5
	6600			Hose—Rubber ⅞ in.	44	1
	6600			Hose—Rubber 1⅛ in.	40	6
	6600			Hose—Rubber 1¼ in.	29	8
	6600			Hose—Rubber 1⅜ in.	45	6
	6600			Hose—Rubber 1⅝ in.	32	6
	6600			Hose—Rubber 1⅞ in.	29	8
	6600			Hose—Rubber 2⅛ in.	35	AR
	6600			Hose—Rubber 6 in.	70	2
	1975			Housing Assy—Cam	16	1
				Housing Assy—Shaft aft.	4	1
				Housing Assy—Shaft fwd	4	1
				Housing Assy — Stub shaft	5	1
				Housing Assy—Torque tube	8	3
	1975			Hub—Assy Clutch	3	1
				Indicator Assy—Rudder	3	1
	7500			Inhibitive—Rust	37	AR
				Inlet Assy—Air	60	7
				Intake Assy—Pump	49	1
	1975			Joint—Ball	16	2
				Joint Assy—Universal	6	9
	1975			Key—Bronze	8	2
	6800			Key—Steel	35	4
				Knob—Control	57	1
	1975			Lever Assy—Receiver	18	2
	1975			Lever Assy—Transfer	14	1
	1975			Lever Assy—Manual	18	2
				Lighting and Signalling Assy	78	1
				Line Assy—Drain	61	4
				Line Assy—Crew's lavatory	41	1
				Line Assy — Officer's lavatory	39	1
				Line Assy—Exhaust	54	1
				Line Assy—Fuel	54	1
				Line Assy—Fuel tank	22	2
				Line Assy—Hydraulic	12	4
				Line Assy—Vent tank	37	1
				Line Assy—Water	39	3
				Log and Bearing Assy	35	2
	1975			Lug—Lever	12	2
				Manifold—Pump	21	8
				Manifold Assy—Pump	21	4
	7100			Marline—Medium	6	AR
				Monitor Assy	51	1
	6700			Nail—Wire	70	
	1975			Name Plate—Aft-fwd blower	19	2
	1975			Name Plate—Heater pump	19	2
	1975			Name Plate—Bilge	19	1
				Name Plate—Ignition	19	2
	1975			Name Plate—Light	19	2
	1975			Name Plate—Starter	19	2
	1975			Name Plate—Switch	19	1
	6700			Nipple—Brass ¼ in.	21	8
	6700			Nipple—Brass ⅜ in.	38	5
	6700			Nipple—Brass ½ x 2½ in.	22	4
	6700			Nipple—Brass ½ x 3 in.	54	4
	6700			Nipple—Brass 1 in.	29	5
	6700			Nipple—Brass 1 x 4 in.	31	4
	6700			Nipple—Brass 1 x 8 in.	31	2
	6700			Nipple—Brass 1 x 10¾	29	4
	6700			Nipple—Brass 1¼ x 6 in.	32	8
	6700			Nipple—Brass 1¼ x 7 in.	32	4
	6700			Nipple—Brass 1½ in.	32	8
	6700			Nipple—Brass 1½ x 2½ in.	32	3
	6700			Nipple—Brass 1½ x 3½ in.	37	1
	6700			Nipple—Brass 1½ x 5 in.	29	6
	6700			Nipple—Brass 2 in.	47	7
	6700			Nipple—Brass 3 in.	49	AR
	6700			Nipple—Galv 1 in.	27	2
	6700			Nipple—Galv 2½ in.	49	2
	6700			Nipple—Shoulder 1 x 3 in.	27	2
	6700			Nipple—Shoulder 1½ x 3½ in.	27	2
	6700			Nipple—Wrought iron	49	2
	6700			Nipple—Wrought steel	49	1
	1975			Nut—Acorn	3	1
	6700			Nut—Castle	6	13
	6700			Nut—Compression	25	4
	1975			Nut—Flare 3/16	18	2
	6700			Nut—Flare ¼ in.	24	18
	6700			Nut—Flare ½ in.	12	10
	6700			Nut—Hex brass ¼-20NC	18	11
				Nut—Hex brass ⅜-24NF	15	2
	6700			Nut—Hex brass ½-20NF	15	2
	6700			Nut—Hex brass No. 2-56	19	16
	6700			Nut—Hex brass No. 6-32	19	82
	6700			Nut—Hex brass No. 8-32	19	8
	6700			Nut—Hex brass No. 10-24	57	10
	1975			Nut—Hex brass No. 10-32	54	24
	1975			Nut—Hex bronze 3/16 in.	44	4
	1975			Nut—Hex bronze ¼-20	39	28
	1975			Nut—Hex bronze 5/16-18NC	3	32
	1975			Nut—Hex bronze	10	AR
	1975			Nut—Hex bronze ⅜-24NF	70	32
	1975			Nut—Hex bronze ½-13NC	10	AR
	1975			Nut—Hex bronze No. 6-32	19	20
	1975			Nut—Hex bronze No. 10-24NC	70	14
	6700			Nut—Hex cad. plate	78	14
	1975			Nut—Hex steel No. 4-40NC	19	AR
	6700			Nut—Hex steel	18	AR
	6700			Nut—Hex steel ¼-28	56	14
	1975			Nut—Hex steel 5/16 x ½	37	8
	1975			Nut—Hex steel 5/16-18NC	8	22
	1975			Nut—Hex steel ⅜-16NC	4	10
	1975			Nut—Hex steel ½-13NC	6	4
	6700			Nut—Hex steel ¾-10NC	4	2
	1975			Nut—Hex steel No. 6-32	51	3
	6700			Nut—Hex steel No. 8-32	56	12
	6700			Nut—Hex steel No. 10-24	57	1
	6700			Nut—Hex steel No. 10-32	56	5
	6700			Nut—Lock	47	14
	1975			Nut—Square galv ¼-20	27	32
	1975			Nut—Square ⅜-16	27	10
	1975			Nut—Square ½-13	45	4
	1975			Nut—Square ½ x No. 10-24	27	8
	6700			Nut—Wing	73	2
	1975			Outlet Assy—Air	60	4
				Outlet Assy—Oil tank	27	2

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
	7200			Pad—Fir ply	78	1
	7200			Pad—Mahogany	29	8
	7300			Paint	37	AR
	1975			Panel Assy—Center	19	1
				Panel Assy—Fuel gage	19	2
	1975			Panel Assy—Fuse	19	2
				Panel Assy—Heater Control	57	1
				Panel Assy—Instrument	19	2
				Panel Assy—Switchboard	19	1
	7600			Paste—Soldering	70	AR
	1975			Paste—White lead	47	AR
	1975			Pedestal Assy	13	2
				Petcock and Flange Assy	37	6
	1975			Pin—Cotter 1/8 x 1 1/2 in.	10	4
	1975			Pin—Cotter 1/8 x 2 in.	35	2
	6700			Pin—Cotter cad. plate	78	2
	6700			Pin—Cotter steel 3/32 x 3/4	6	17
	6700			Pin—Cotter steel 1/32 x 3 in.	11	1
	1975			Pin—Hinge	73	1
	1975			Pin—Swing bolt	73	2
				Pin—Mounting lever	14	1
	6700			Pipe—Brass 1/8 in.	54	AR
	6700			Pipe—Brass 1 x 3 in.	29	4
	6700			Pipe—Brass 1 x 4 in.	29	6
	6700			Pipe—Brass 1 x 23 1/2 in.	29	2
	6700			Pipe—Brass 1 1/4 x 19 in.	32	4
	6700			Pipe—Brass 1 1/2 x 2 1/2 in.	31	2
	6700			Pipe—Brass 1 1/2 x 3 1/2 in.	29	14
	6700			Pipe—Brass 1 1/2 x 4 in.	29	2
	6700			Pipe—Brass 1 1/2 x 11 1/2 in.	29	2
	6700			Pipe—Brass 1 1/2 x 23 1/2 in.	29	2
	6700			Pipe—Brass 2 x 20 in.	20	4
	6700			Pipe—Brass 3 x 6 in.	49	1
	6700			Pipe—Brass 3 x 22 in.	49	1
	6700			Pipe—Malleable 2 1/2 in.	49	AR
	6700			Pipe—Wrought iron 1/2 in.	49	AR
	6700			Pipe—Wrought iron 1 1/2 in.	49	AR
				Piping Assy—Below cockpit floor	49	1
				Piping Assy—Bilge pump	45	1
				Piping Assy—Closet	43	2
				Piping Assy—Cockpit to monitors	51	1
				Piping Assy—Coolant pump	29	4
				Piping Assy—Discharge	54	1
				Piping Assy—Engine to manifold	24	1
				Piping Assy—Exhaust	32	2
				Piping Assy—Fuel tank filler	20	2
				Piping Assy—Fuel tank vent	20	4
				Piping Assy—Ice box	44	1
				Piping Assy—LH	25	1
				Piping Assy—Main line	47	1
				Piping Assy—Manifold to fuel pump	24	2
				Piping Assy—Oil tank filler	27	2
				Piping Assy—Oil tank vent	27	2
				Piping Assy—Overboard discharge	47	1
				Piping Assy—Portside	51	1
				Piping Assy—Pump to engine	25	2
				Piping Assy—Pump to gage	25	1
				Piping Assy—Pump to main line	47	1
				Piping Assy—RH	25	1
				Piping Assy—Starboard	51	1
				Piping Assy—Tank to main line	38	1
				Piping Assy—Oil tank	27	2
				Piping Assy—Water inlet	42	2
	1975			Piston Assy	12	2
	1975			Plate—Face	57	1
	1975			Plate Assy—Ground	19	2
				Plate Assy—Rudder	3	1
	6700			Plug—Brass 1/4 in.	21	16
				Plug—Pipe	45	6
	6700			Plug—Sq-hd	37	2
				Plug—Welded	49	1
	1975			Portlight Assy	73	1
				Propeller	35	2
	1975			Pull—Choke	57	1
				Pull—Switch	57	1
	6700			Pulley—Rockwood	15	2
				Pump—Centrifugal bilge	45	1
				Pump—Engine bilge	47	1
	1975			Pump—Primer	19	3
	1975			Pump—Self priming	45	1
				Pump Assy—Electric fuel	21	2
	1975			Pump—Triplex fuel	21	4
	1975			Relay Assy—Starter	19	3
	8800			Resistor—300 ohms	33	
	8800			Resistor—1000 ohms	33	
	8800			Resistor—2000 ohms	33	
	8800			Resistor—10,000 ohms	33	
	8800			Resistor—15,000 ohms	33	
	8800			Resistor—25,000 ohms	33	
	8800			Resistor—35,000 ohms	33	
	8800			Resistor—75,000 ohms		
	8800			Resistor—250,000 ohms	33	
	8800			Resistor—2 megohms	33	
	1975			Retainer—Glass	73	1
	1975			Ring—Finishing	73	1
	7200			Ring—Weldwood	35	2
	6700			Rivet—Copper	47	35
	6700			Rivet—Tinner's	37	AR
				Rod—Connecting	16	1
	1975			Rope—Manila	73	2
				Rudder and Bearing Assy	10	2
	6700			Screw—Allen hd 1/4 x No. 10-32 x 1/4 in.	56	2
	1975			Screw—Allen hd 1/4-20NC x 1/4	3	6
	1975			Screw—Allen hd 5/16-18NC x 3/8 in.	3	4
	1975			Screw—Allen hd 13/16-18NC x 3/8 in.	5	1
				Screw—Cap hex	45	8
	6700			Screw—Cap hex 1/4-20NC x 1/2	15	4
	6700			Screw—Cap hex 1/4-20NC x 3/4	3	6
	6700			Screw—Cap hex 3/8-16NC x 1 1/2 in.	6	7
	6700			Screw—Cap hex 3/8-24NF x 1 3/4	8	9
	6700			Screw—Cap hex 3/8-28NF x 1 3/4	6	2
	6700			Screw—Cap hex 3/8-24NF-2	8	1
	6700			Screw—Cap hex 5/8-18NF x 2	6	2
	6700			Screw—Drive	18	16
				Screw—Fil-hd cap	45	3
	1975			Screw—Fil-hd cap bronze	35	12
	6700			Screw—Fil-hd cap 1/4-28 x 1/2	20	32
	6700			Screw—Fil-hd cap 1/4-28 x 9/16	22	28
	6700			Screw—Fil-hd cap 1/4-28 x 5/8	20	96
	6700			Screw—Fil-hd cover	18	4
	6700			Screw—Fil-hd locking	18	4
	6700			Screw—Fil-hd machine	18	2
	6700			Screw—Fil-hd machine	18	2
	6700			Screw—Fil-hd machine 7/16 x No. 8-32	57	1
	6700			Screw—FH machine 1 3/4 x No. 10-32	54	24
	1975			Screw—FH machine bronze 1/4-20 x 1/2	35	AR
	1975			Screw—FH machine bronze 1/4-20 x 2	41	16
	1975			Screw—FH machine bronze 5/16-18 x 5/8	35	16
	1975			Screw—FH machine 1/4-20 x 3/4	45	8
	1975			Screw—FH machine bronze 1 x No. 8-32	19	8
	1975			Screw—FH bronze 1 1/2 x No. 10-24NC	70	14

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
	1975			Screw—FH machine bronze 2 x No. 10-24	43	8
	6700			Screw—FH machine steel ¼ x No. 6-32 x ¼ in.	56	7
	1975			Screw—FH machine steel ¼-20 x ½	37	24
	1975			Screw—FH machine steel ¼-20 x 2½	66	8
	1975			Screw—FH machine steel ¼-20 x 3	39	2
	1975			Screw—FH machine steel ¼-20 x 3½	70	12
	1975			Screw—FH machine steel ¼-20 x 4 in.	61	4
	1975			Screw—FH machine steel ¼-20 x 4½	66	4
	1975			Screw—FH machine steel ¼-20 x 5½	63	12
	6700			Screw—FH machine steel ¼ x No. 6-40	56	2
	1975			Screw—FH machine steel ⅝ x ½	37	8
	6700			Screw—FH machine steel ⅝ x No. 8-32	56	8
	1975			Screw—FH machine steel ⅜	37	8
	1975			Screw—FH machine steel ⅜ x No. 4-40	19	AR
	6700			Screw—FH machine steel ⅜ x No. 10-32	56	14
	6700			Screw—FH machine steel 7/16 x No. 8-32	56	12
	6700			Screw—FH machine steel 7/16 x No. 10-32	56	2
	1975			Screw—FH machine steel ¼ x No. 10-24	27	8
	6700			Screw—FH machine steel ½ x No. 10-32	56	1
	1975			Screw—FH machine steel ¾ x ¼-20	27	32
	6700			Screw—FH wood	47	60
	1975			Screw—FH wood brass ⅝ x No. 7	51	82
	6700			Screw—FH wood brass ¾ x No. 8	27	12
	6700			Screw—FH wood brass ¾ x No. 9	44	28
	6700			Screw—FH wood brass 1 x No. 10	20	8
	6700			Screw—FH wood brass 1½ x No. 9	29	16
	1975			Screw—FH wood brass 1½ x No. 12	29	24
	1975			Screw—FH wood bronze ¾ x No. 10	70	2
	1975			Screw—FH wood bronze 1½ x No. 9	47	12
	6700			Screw—FH wood steel ¾ x No. 8	11	36
	1975			Screw—FH wood steel 1½ x No. 10	73	6
	1975			Screw—FH wood steel 1½ x No. 14	19	2
	1975			Screw—FH wood steel 2½ x No. 10	73	8
	1975			Screw—Hex machine ⅜-16NC x 1½ in.	10	2
	1975			Screw—Hex machine ⅜-24NF x 1¾ in.	70	32
				Screw—Hex machine ½-13 x 2	45	4
	1975			Screw—Hex set	35	4
				Screw—Mounting	14	4
	6700			Screw—Oval hd ½ in.	18	4
	6700			Screw—Oval hd ⅝ x No. 10-32	56	8
	6700			Screw—Phillips	57	2
	6700			Screw—Pulley ¼-20NC-1	15	12
	6700			Screw—RH machine brass ¼-20 x 1½ in.	73	7
	6700			Screw—RH machine ¼-20NC x 2 in.	18	8
	6700			Screw—RH machine brass ¼ x No. 2-56	19	AR
	6700			Screw—RH machine brass ⅜ x No. 2-56	19	16
	6700			Screw—RH machine brass ⅜ x No. 6-32	19	18
	6700			Screw—RH machine ⅜ x No. 8-32	19	24
	6700			Screw—RH machine brass ½ x No. 6-32	19	60
	6700			Screw—RH machine brass 1 x No. 10-24NC	18	8
	1975			Screw—RH machine bronze	3	3
	6700			Screw—RH machine Cad. 5/16-18 x 2¼ in.	73	8
	6700			Screw—RH machine Cad. ⅝ x No. 10-24	73	6
	1975			Screw—RH machine electro galv. ¾ x No. 6-32	73	8
	1975			Screw—RH machine electro galv 4 x No. 10-24	73	8
	1975			Screw—RH machine steel ¼-20 x ½ in.	19	12
	1975			Screw—RH machine steel ¼-20 x ¾ in.	37	32
	1975			Screw—RH machine steel ¼-20 x 1½ in.	19	10
	6700			Screw—RH machine steel ⅝ x No. 8-32	56	2
	1975			Screw—RH machine steel 5/16-18 x ½ in.	19	4
	6700			Screw—RH machine steel ⅝ x No. 10-24	57	2
	6700			Screw—RH machine steel 1 x No. 8-32	73	4
	6700			Screw—RH wood brass ¼ x 1½ in.	60	4
	6700			Screw—RH wood brass ½ in.	22	44
	6700			Screw—RH wood brass ½ x No. 5	3	AR
	6700			Screw—RH wood brass ½ x No. 6	38	AR
	6700			Screw—RH wood brass ⅝ x No. 6-32	73	4
	6700			Screw—RH wood brass ⅝ x No. 7	47	62
	6700			Screw—RH wood brass ¾ x No. 6	37	4
	6700			Screw—RH wood brass ¾ x No. 8	20	24
	6700			Screw—RH wood brass 1½ x No. 5	18	36
	1975			Screw—RH wood bronze 1 x No. 9	47	12
	6700			Screw—RH wood brass 1½ x No. 9	31	16
	1975			Screw—RH wood bronze 2 x No. 14	3	2
	1975			Screw—RH wood galv ¼-20 x 1 in.	61	7
	1975			Screw—RH wood galv ½ x No. 5	73	24
	6700			Screw—RH wood galv ⅝ x No. 7	61	6
	1975			Screw—RH wood galv ¾ x No. 8	73	24
	1975			Screw—RH wood galv 1 x No. 7	70	4
	1975			Screw—RH wood galv 1 x No. 8	29	18
	1975			Screw—RH wood galv 1½ x No. 12	41	2
	1975			Screw—RH wood galv 1½ x No. 10	29	22
	1975			Screw—RH wood galv 1¾ x No. 8	21	12
	1975			Screw—RH wood galv 2 x No. 10	63	15
	6700			Screw—Self-tapping	19	AR
				Screw—Set	45	1
				Seacock Assy—LH	29	4
				Seacock Assy—RH	31	4
				Seal Assy	35	2
	1975			Searchlight	73	2
				Shaft Assy—Steering	3	1
	1975			Shell—Clam copper	20	4
				Sink—Galley	40	1
	6700			Sleeve—Compression	25	4

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	6800			Solder—50-50	37	AR
	1975			Solenoid Assy	14	2
	1975			Spigot Assy	73	1
				Spline Assy	8	1
	6700			Sprocket	3	1
				Sprocket Assy	3	1
	1975			Stiffener—Angle	57	1
	1975			Strainer—Copper	47	7
	1975			Strainer—Bronze	15	1
				Strainer and Manifold Assy	21	1
				Strainer Assy—Bilge	47	7
				Strainer Assy—Intake	49	1
	6700			Strap—Brass ¼ in.	18	30
	6700			Strap—Brass 5/16 in.	73	6
	6700			Strap—Brass ½ in.	73	6
	6700			Strap—Copper ¼ in.	37	2
	6700			Strap—Copper 3/8 in.	25	20
	6700			Strap—Copper ½ in.	24	8
	6700			Strap—Copper 5/8 in.	20	60
	6700			Strap—Copper ¾ in.	39	3
	6700			Strap—Copper ⅞ in.	51	3
	6700			Strap—Copper 1 in.	51	3
	6700			Strap—Copper 1⅜ in.	47	30
	6700			Strap—Steel ⅛ x ½ x 16 in.	29	2
	6700			Strap—Steel 5/8 in.	61	4
	6700			Strap—Steel 1 in.	29	6
	6700			Strap—Steel 1½ in.	29	4
				Strap Assy—Tank	27	2
	8800			Strip—Copper	70	
	1975			Strut	35	2
				Strut and Propeller Assy.	35	2
	1975			Switch—Brass	16	1
				Switch—Ignition	19	2
				Switch Assy—Micro	16	1
				Tachometer	19	2
	6700			Tack—¾ in.	70	
	1975			Tank Assy	20	2
	1975			Tank Assy—Fresh water	37	2
	6700			Tee—Brass ¼ in.	25	2
	6700			Tee—Brass ¼ in. flare	57	1
	6700			Tee—Brass ¼ x ¼ x 3/8 in.	21	2
	6700			Tee—Brass ½ x ½ x ½ in.	54	6
	6700			Tee—Brass 2 in.	29	4
	6700			Tee—Iron 1½ x 1½ x 1½ in.	49	2
	6700			Tee—Iron 2½ x 2½ x 1½ in.	49	2
	1975			Transmitter Assy	18	2
	8800			Tube—VR-105-30	33	
	8800			Tube—6C5	33	
	8800			Tube—65A7	33	
	8800			Tube—65J7	33	
	8800			Tube—65K7	33	
	1975			Tube Assy—Main	6	1
				Tube Assy—Outlet	20	2
	6800			Tubing—Copper ⅛ in. .035 wall	25	AR
	6800			Tubing—Copper 3/16 in. .035 wall	18	AR
	6800			Tubing—Copper ¼ in. .032 wall	24	AR
	6800			Tubing—Copper 3/8 in. .035 wall	25	AR
	6800			Tubing—Copper ½ in. .035 wall	12	AR
	6800			Tubing—Copper 5/8 in. .028 wall	20	AR
	6800			Tubing—Copper 5/8 in. .035 wall	54	AR
	6800			Tubing—Copper ¾ in. .032 wall	89	AR
	6800			Tubing—Copper ⅞ in. .032 wall	44	AR
	6800			Tubing—Copper 1⅛ in. .035 wall	40	AR
	6800			Tubing—Copper 1⅜ in. .042 wall	32	AR
	6800			Tubing—Copper 1⅝ in. .060 wall	43	AR
	6800			Tubing—Copper 1¾ in. .042 wall	45	AR
	6800			Tubing—Copper 4½ in. .088 wall	70	AR
	1975			Tubing—Hy-car 1 x 38 in.	20	2
	1975			Tubing—Steel 1 5/16 x 9 in. .156 wall	8	1

ARMY STATUS	PROPERTY CLASSIFICATION U. S. ARMY	U. S. NAVY	BRITISH	PART NUMBER	GROUP LIST PAGE NUMBERS	TOTAL QTY.
	1975			Tubing—Metal 3/16 x 4 in.	54	1
	7100			Twine	73	
	6700			Union—Flare brass 3/16 x ⅛ in.	18	2
	6700			Union—Flare brass ¼ in.	57	2
	6700			Union—Flare brass ¼ x ⅛ in.	54	3
	6700			Union—Flare brass ¼ x ¼ in.	27	2
	6700			Union—Iron 1½ in.	49	26
	6700			Union—Iron 2½ in.	49	1
	1975			Valve—4-way	14	1
				Valve and Piping Assy—Main line	47	1
				Valve Assy—Relief	16	1
				Valve Assy—Sluice	47	7
	1975			Voltmeter	19	1
				Washer—Bearing	10	2
	6700			Washer—Burr	20	96
	1975			Washer—Countersunk galv ¼ in.	39	4
	6700			Washer—Flat brass ¼ in.	70	13
	6700			Washer—Flat brass 3/8 in.	73	2
	6700			Washer—Flat brass No. 6	70	104
	1975			Washer—Flat bronze 5/16 in.	43	8
	1975			Washer—Flat bronze ¼ in.	39	24
	1975			Washer—Flat bronze 5/16 in.	31	20
	1975			Washer—Flat bronze 3/8 in.	35	2
	1975			Washer—Flat bronze ½ in.	35	20
	1975			Washer—Flat steel ¼ in.	37	AR
	1975			Washer—Flat steel 5/16 in.	19	4
	1975			Washer—Flat steel 3/8 in.	4	12
	1975			Washer—Flat steel ½ in.	45	4
	1975			Washer—Flat steel ⅞ in.	54	2
	1975			Washer—Flat steel No. 6	51	3
	6700			Washer—Lock brass	73	7
	6700			Washer—Lock cad	18	4
	6700			Washer—Lock steel ¼ in.	56	14
	6700			Washer—Lock steel No. 6	56	6
	6700			Washer—Lock steel No. 8	56	29
	6700			Washer—Lock steel No. 10	56	17
	7200			Washer—Plywood ¼ x 2⅜ in.	22	2
	1975			Washer—Plywood ¼ x 2¾ in.	47	10
	6700			Washer—Shakeproof brass	18	3
	1975			Washer—Shakeproof bronze No. 6	19	50
	1975			Washer—Shakeproof bronze No. 8	19	8
	1975			Washer—Shakeproof steel ¼ in.	19	6
	1975			Washer—Shakeproof steel 1¼ in.	19	12
	1975			Washer—Shakeproof steel 3/8 x No. 4-40NC.	19	AR
	6700			Washer—Shakeproof No. 19 size 8	18	4
				Water Closet and Piping Assy—LH	44	1
				Water Closet and Piping Assy—RH	42	1
	1975			Weight—Sounding line	75	8
	1975			Wheel Assy—Steering	3	1
	1975			Whistle Assy	73	1
	7100			Wicking—Cotton	37	AR
	1975			Wire—Lock bronze	35	AR
	1975			Wire—Lock copper	12	AR

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS, UNITED STATES AIR FORCE
WASHINGTON

TECHNICAL ORDER
NO. 19-85AC-5

11 December 1947

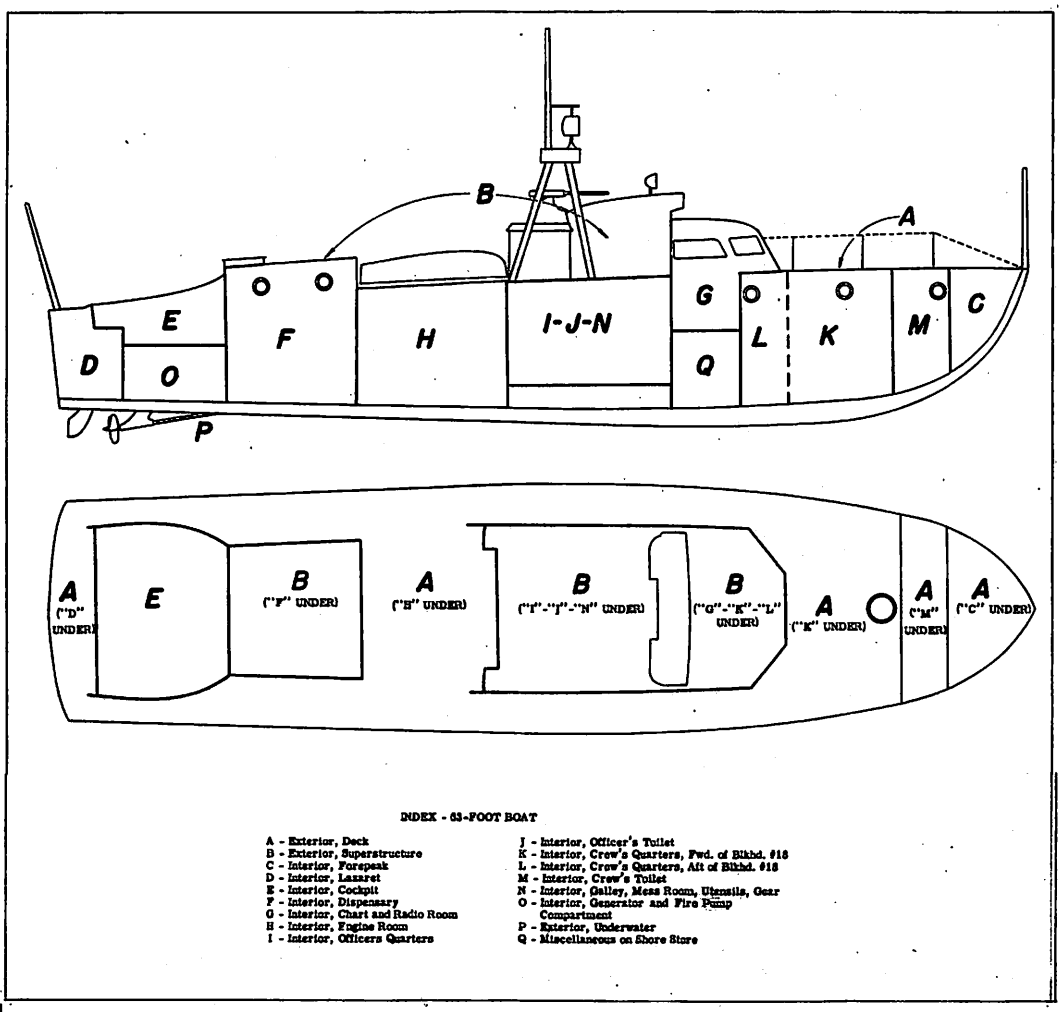
GROUND SERVICING, VEHICLES, MARINE AND MOTORIZED EQUIPMENT

BOATS AND MARINE ENGINES – BOAT EQUIPMENT CHECK LIST FOR 63-FOOT USAF RESCUE BOAT, DESIGN NO. 416

1. This Technical Order is being issued to provide an itemized list of authorized onboard equipment necessary for the satisfactory operation of the 63-Foot USAF Rescue Boat. Refer to T. O. No. 19-85A-5 for additional information regarding temporary boat equipment check lists.

NOTE This Technical Order, together with complete temporary forms illustrated in T. O. No. 19-85A-5 (figures 1 to 7 inclusive), comprise a temporary boat equipment check list, which will govern property accounting pending publication of necessary Regulations, Technical Orders and forms covering permanent boat equipment check lists. (Reference T. O. No. 19-85A-5, paragraph 3.)

2. Prepare a temporary boat equipment check list in accordance with instructions contained in T. O. No. 19-85A-5.



INDEX - 63-FOOT BOAT

A - Exterior, Deck
B - Exterior, Superstructure
C - Interior, Forepeak
D - Interior, Lazaret
E - Interior, Cockpit
F - Interior, Dispensary
G - Interior, Chart and Radio Room
H - Interior, Engine Room
I - Interior, Officers Quarters
J - Interior, Officer's Toilet
K - Interior, Crew's Quarters, Fwd. of Bkhd. #18
L - Interior, Crew's Quarters, Aft of Bkhd. #18
M - Interior, Crew's Toilet
N - Interior, Galley, Mess Room, Utensils, Gear
O - Interior, Generator and Fire Pump Compartment
P - Exterior, Underwater
Q - Miscellaneous on Shore Store

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STOCK NO.	NOMENCLATURE	Total Req	Req per Section	EQUIP. CHECKS 1	2	3	4
	(A) EXTERIOR, DECK						
	Staff - Jack, bow	1	1				
	Staff - Flag, stern	1	1				
	Ventilator - 5 in., spray proof, forecastle deck, Willis No. R896	3	3				
	Ventilator - 6 x 12 x 15 in., P & S engine room (aft)	2	2				
	Net - Rescue, 8 x 10 ft., P & S cabin	2	2				
	Anchor - Danforth, Mark II w/shackle and lifting ring (75 No.)	1	1				
	Tiller - Emergency	1	1				
	Light - Stern, class I, Willis No. R301 (on flag staff)	1	1				
	Dinghy - 9-1/2 ft., wooden, sailing complete w/oars, oarlocks, weather cloth and sails	1	1				
	(B) EXTERIOR, SUPERSTRUCTURE, (BRIDGE - PILOT HOUSE)						
	Light - Bow, 24 v, 6 watt bulb, class III, on pilothouse, Willis No. R264	1	1				
	Light - Side running, 24 v bulb, 6 watt, 1 each red port, green standard-board, each side bridge, Willis No. R266, class III	2	2				
	Light - Masthead or range, 24 v bulb, 6 watt, class III (clear), Willis No. R301	1	1				
	Light - Stern (blue), 24 v bulb, 6 watt, class III, Willis No. R301	1	1				
	Horn - Signal, top pilothouse, Doran-Cunningham, 1EA-1B	1	1				
	Compass - 5 in., w/lighted binnacle, Kelvin-White model 135-D, or equal	1	1				
	Pelorus - 5 in., Kelvin-White No. 355, or equal	1	1				
	Bell - Fog, 8 in. w/lanyard, Willis No. R1663, or equal	1	1				
	Light - Search, P & S bridge with two spare 24 v, 500 w bulbs and one lens, Crouse-Hinds, type DCE12-12	2	2				
	Light - Search (mast platform) with one spare bulb and one lens, 24 v, 500 w, Raylite No. 1633, or equal	1	1				
	Wiper - Windshield P & S pilothouse windows	2	2				

STOCK NO.	NOMENCLATURE	Total Req	Req per Section	EQUIP. CHECKS 1	2	3	4
	(B) EXTERIOR, SUPERSTRUCTURE, (BRIDGE - PILOT HOUSE) (Cont)						
	Ventilator - 5 x 10 x 13 in., 1 ea side cabin roof, Willis No. R904	2	2				
	Ventilator - 8 x 16 x 40 in., P & S engine room (fwd), Willis No. R904	2	2				
	Loop - Radio direction finder, top chart room	1	1				
	Buoy - Ring, 24 in. with 50 ft. 1/8 in. manila rope, P & S pilothouse, Willis No. R1695, or equal	2	2				
	Holder - Ring buoy, Willis No. R1693	2	2				
	Light - Water, ring buoy, Perko No. 22, Navy Spec No. 17-L-11	2	2				
	Cover - Barbette, canvas, fabricated	2	2				
	Hook - Boat with 12 ft ash pole (Willis No. R677 hook and R675 pole)	2	2				
	Cover - Search light, canvas, fabricated	3	3				
	Cover - Steering wheel, fabricated	1	1				
	Antenna - Whip, IFF, No. CTZ-66AFJ	1	1				
	Antenna - Whip, VHF, AN-94-A	1	1				
	Antenna - Whip, RE 815	1	1				
6600-663560	Raft - Life, pneumatic, type E-2A	2	1				
4517-21267	Cylinder - Refill, for life raft	2	1				
	(C) INTERIOR, FOREPEAK						
7100-672000	Line - Heaving, 3/8 in. diameter x 60 ft. long, manila	2	2				
	Fender - Rope, 8 x 24 in. with 8 ft. 3/8 in. dia pendant	6	2				
7100-678000	Line - Mooring, 3/4 in. diameter x 50 ft. long, manila	4	4				
7100-680000	Line - Anchor, 1 in. diameter x 300 ft. long, manila	1	1				
	(D) INTERIOR, LAZARET						
	Fender - Rope, 8 x 24 in. with 8 ft. 3/8 in. dia pendant	6	4				
	Lantern - Hand, kerosene, Willis No. R334	1	1				

STOCK NO.	NOMENCLATURE	Total Req	Req per Section	EQUIP. CHECKS 1	2	3	4
	(D) INTERIOR, LAZARET (Cont)						
	Lantern - Electric with 1 each clear and 1 each ruby lamp, Justrite Mfg. Co. No. 45W	1	1				
	Key - Adjustable, for tiller deck plate w/clip	1	1				
	Link - Spare for steering chain	2	2				
	Packing - Renewal for rudder torque tube stuffing box (sets)	3	3				
	Nut - Propeller, spare, w/key and keeper (processed)	2	2				
	Bearing - Stern, strut, Goodrich or Akerite (spare) (2 in. shaft dia)	1	1				
	Bearing - Intermediate strut, Goodrich or Akerite (spare) (2 in. shaft dia)	1	1				
	Packing - Renewal, 3/8 in. for propeller shaft stuffing box (set)	3	3				
	Propeller - LH, 23-3/4 in. dia x 23-3/4 in. pitch (wrapped), dwg No. 416-115	2	1				
	Propeller - RH, 23-3/4 in. dia x 23-3/4 in. pitch (wrapped), dwg No. 416-115	2	1				
	Compressor - Bearing drive ring tool (cutless bearings)	1	1				
	Nut - Propeller draw, tool	1	1				
	Wrench - Propeller shaft nut, tool	1	1				
6600-663560	Raft - Life, pneumatic, type E-2A	2	1				
4517-21267	Cylinder - Refill for life raft	2	1				
	Wrench - Fairwater nut, tool	1	1				
	Puller - Propeller, tool	1	1				
	(E) INTERIOR, COCKPIT						
	Kit - Crash (Refer to paragraph 4., T. O. No. 00-30-44)	1	1				
7900-009800	Axe - Fire w/brackets	2	2				
	(F) INTERIOR, DISPENSARY						
	Scoop - Wind, 10 in. with 24 mesh insect screen	6	2				
	Preserver - Life, kapok, Willis No. R1640	15	3				

STOCK NO.	NOMENCLATURE	Total Req	Req per Section	EQUIP. CHECKS 1	2	3	4
	(F) INTERIOR, DISPENSARY (Cont)						
	Litter - Stokes, metal, MD item No. 7-837-810 (this is a part of Kit - Medical, MD item No. 9-522-150)	6	6				
	Pillow - Duck feathers, 30 x 24 in., type II	16	8				
	Cushion - Paratex w/leatherette cover, P & S (2) 2 ft. 5-1/2 in. to 2 ft. 7 in. wide x 3 ft. 10 in. long x 4 in. thick (2) 2 ft. 4 in. to 2 ft. 5-1/2 in. wide x 3 ft. 10 in. long x 4 in. thick	4	4				
	Extinguisher - Fire, CO_2, 4 lb., portable complete w/bracket	5	1				
	Sheet - White cotton, 54 x 88 in., type I, 1 in. hem (6 spare)	64	16				
	Screen - Insect, 10 in., port light	14	4				
	Case - Pillow, white cotton, 45 x 34 in. (6 spare)	44	14				
	Screen - Insect, sliding hatch and door (set)	1	1				
	Blanket - Gray, type II, 60 x 90 in. (6 spare)	57	22				
	Kit - Medical, MD item No. 9-522-150	1	1				
	Kit - First aid, aeronautic, MD item No. 9-196-650	8	1				
	Bag - Laundry, 4 oz cotton duck	4	1				
	(G) INTERIOR, CHART AND RADIO ROOM						
	Radio Direction Finder - Bloodworth, complete	1	1				
	Switch, Panel and Fuse Box - Sig dwg ES-A-32649	1	1				
	Radio Transmitter Set (HF) - 32 RA Collins, complete	1	1				
	Radio Receiver Set (HF) - BC-348, complete	1	1				
	Radio Transceiver Set (VHF) - AN/SRC-2X(AN/SCR-522), complete	1	1				
	Radio - IFF set (VHF) AN/SPX-3 (BC-966-A), complete	1	1				
	Radio - Auto-direction finder (MF), AN/SRD-1(AN/ARN-7), complete, 100 - 1750 kc	1	1				
	Radio Set - Emergency (MF & HF) AN/CRT-3	1	1				
	Pelorus - Kelvin-White, 5 in., No. 335 w/case	1	1				
	Signal - Distress, kit of 12 in. water tight container, Willis No. R1645, or equal	1	1				

STOCK NO.	NOMENCLATURE	Total Req	Req per Section	EQUIP. CHECKS 1	2	3	4
	(G) INTERIOR, CHART AND RADIO ROOM (Cont)						
	Clock - 6 in., 8 day, ship's bell, Chelsea or equal (mounted)	1	1				
	Thermometer - 32° to +120°F (mounted)	1	1				
	Barometer - Bulkhead type, Kelvin-White No. 2230-APL-5, or equal (mounted)	1	1				
	Flags - International code in canvas bag, set of 40 flags, 1-1/4 x 1-1/2 ft., Willis No. R1672	1	1				
	Flag - American, 3 x 5 ft., wool bunting, Willis No. R1745	1	1				
	Flag - U. S jack, 2 x 3 ft. wool bunting, Willis No. R1746	1	1				
	Megaphone - 22 in. fibre, Willis No. R1795	1	1				
	Lamp - Signal, 12 v, blue, M5110D-9, Manhattan Marine Electric Co.	1	1				
	Screen - P & S sliding windows, fabricated	2	2				
	Screen - Door to mess room, fabricated	1	1				
	Screen - Chart room to bridge (set), fabricated	1	1				
	Lead - Sounding, 10 lb. with 20 fathom line in box, Willis No. R673	1	1				
	Plan - Docking, dwg No. 416-118	1	1				
	Preserver - Life, kapok, Willis No. R1640	15	2				
	Log - Boat	1	1				
	Boat Maintenance Record	1	1				
	Publications (Refer to Section V, T. O. No. 19-1-01, as applicable)	1 ea	1 ea				
	Kit - First aid, aeronautic, MD item No. 9-196-650	8	2				
	(H) INTERIOR, ENGINE ROOM						
	Battery - 6 v, 175 ah (engine starting and power), in lead lined tray	8	8				
	Battery - 6 v, 100 ah (IFF radio)	4	4				
	Extinguisher - Fire, CO_2, 4 No. complete w/bracket	5	2				
	Bar - Engine cranking	1	1				

STOCK NO.	NOMENCLATURE	Total Req	Req per Section	EQUIP. CHECKS 1	2	3	4
	(H) INTERIOR, ENGINE ROOM (Cont)						
	Wrench - Shaft coupling nut, tool	1	1				
	Wrench - Coupling, tool	1	1				
	Extinguisher - Fire, automatic, CO_2, fixed with two 35 lb. cylinders, complete	1	1				
	Preserver - Life, kapok, Willis No. R1640	15	2				
	Can - Oily waste, 6 gal, Geo. W. Diener No. 1, Chicago, Ill., or equal	1	1				
	Kit - Tool (Refer to T. O. No. 00-30-250)	1	1				
	Kit - First aid, aeronautic, MD item No. 9-196-650	8	2				
	(I) INTERIOR, OFFICER'S QUARTERS						
	Cushion - Paratex w/cover, khaki, 27 x 77 x 4 in.	1	1				
	Cushion - Paratex w/cover, khaki, 30 x 78 x 4 in.	1	1				
	Scoop - Wind, 10 in. w/screen	6	2				
	Screen - 10 in., for port light	14	2				
	Preserver - Life, kapok, Willis No. R1640	15	2				
	Blanket - Gray, type II, 60 x 90 in.	57	4				
	Pillow - Duck feather, 30 x 24 in., type II	16	2				
	Case - Pillow, white cotton, 45 x 34 in.	44	2				
	Key - Adjustable, spanner, deck plate, Willis No. R982	2	2				
	Sheet - White cotton, 54 x 88 in., type I, 1 in. hem	64	4				
	Locker - Key with two each keys for each lock on board	1	1				
	Kit - First aid, aeronautic, MD item No. 9-196-650	8	1				
	(J) INTERIOR, OFFICER'S TOILET						
	Mirror	2	1				
6700-295850	Holder - Toilet paper in rolls	2	1				
	Closet - Water, Willis No. R4023, model D	2	1				
	Bar - Towel	2	1				

STOCK NO.	NOMENCLATURE	Total Req	Req per Section	EQUIP. CHECKS 1	2	3	4
	(J) INTERIOR, OFFICER'S TOILET (Cont)						
	Lavatory - Enameled iron Willis No. R3057	2	1				
	Dish - Soap	2	1				
	Screen - Insect, 10 in., port light	14	1				
	(K) INTERIOR, CREW'S QUARTERS, FWD OF BULKHEAD NO. 18						
	Scoop - Wind, 10 in., port light w/screen	6	2				
	Screen - Insect, 10 in., port light	14	2				
	Preserver - Life, kapok, Willis No. R1640	15	4				
	Extinguisher - Fire, CO_2, 4 lb. complete w/bracket	5	1				
	Cushion - Paratex w/cover, khaki, 27 x 81 x 4 in.	2	2				
	Berth - Pipe	2	2				
	Mattress - Felt, grade "A," 26 x 74 x 4 in.	2	2				
	Pillow - Duck feather, 30 x 24 in., type II	16	4				
	Kit - First aid, aeronautic, MD item No. 9-196-650	8	1				
	Sheet - White cotton, 54 x 88 in., type I, 1 in. hem	64	8				
	Case - Pillow, white cotton, 45 x 34 in.	44	4				
	Blanket - Gray, type II, 60 x 90 in.	57	8				
	(L) INTERIOR, CREW'S QUARTERS, ABAFT BULKHEAD						
	Screen - Insect, 10 in., port light	14	2				
	Preserver - Life, kapok, Willis No. R1640	15	2				
	Cushion - Paratex w/cover, 26 x 74 x 4 in.	2	2				
	Pillow - Duck feather, 30 x 24 in., type II	16	2				
	Sheet - White cotton, 54 x 88 in., type I, 1 in. hem	64	4				
	Case - Pillow, white cotton, 45 x 34 in.	44	2				
	Blanket - Gray, type II, 60 x 90 in.	57	4				

STOCK NO.	NOMENCLATURE	Total Req	Req per Section	EQUIP. CHECKS 1	2	3	4
	(M) INTERIOR, CREW'S TOILET						
	Screen - Insect, 10 in., port hole	14	2				
	Mirror	2	1				
	Closet - Water Willis No. R4023, model D	2	1				
	Dish - Soap	2	1				
	Lavatory - Enameled iron Willis No. R3057	2	1				
	Bar - Towel	2	1				
6700-295850	Holder - Toilet paper in rolls	2	1				
	(N) INTERIOR, GALLEY, MESS ROOM, UTENSILS, GEAR						
	Extinguisher - Fire, CO_2, 4 lb. portable complete w/bracket	5	1				
	Screen - Insect, 10 in., port hole	14	1				
	Sink - White porcelain, cast iron, 14 x 20 x 6 in. depth, Willis No. R6015	1	1				
	Table - Mess, portable	1	1				
	Pump - Hand, Willis R5060	1	1				
	Cushion - Paratex, w/cover, khaki	2	2				
	Refrigerator - Built-in, dwg No. 416-17	1	1				
	Stove - Kerosene, Willis No. R244, or equal	1	1				
	Plate - Dinner, 10 in.	8	8				
	Bowl - Cereal, 6-1/8 in. diameter	8	8				
	Bowl - Large, serving or mixing	2	2				
	Cup - Coffee, 8-1/2 oz	8	8				
	Saucer - 5-1/4 in. diameter	8	8				
	Platter - 12 in.	1	1				
	Knife - Table, SS	8	8				
	Fork - Table, SS	8	8				
	Spoon - Tea	8	8				
	Spoon - Table	6	6				

STOCK NO.	NOMENCLATURE	Total Req	Req per Section	EQUIP. CHECKS 1	2	3	4
	(N) INTERIOR, GALLEY, MESS ROOM, UTENSILS, GEAR (Cont)						
	Shaker - Salt, 2 oz	2	2				
	Shaker - Pepper, 2 oz	2	2				
	Skillet	2	2				
	Pot - Coffee	1	1				
	Masher - Potato	1	1				
	Spoon - Cook's	2	2				
	Spatula	1	1				
	Knife - Butcher	2	2				
	Knife - Paring, 3-1/2 in. blade	2	2				
	Opener - Can, hand-operated	1	1				
	Glass - Drinking, 8 oz	12	12				
	Bowl - Sugar	1	1				
	Fork - Cook's	1	1				
	Pan - Sauce, 4-1/2 qt	1	1				
	Pot - Sauce, 8 qt	1	1				
	Pick - Ice	1	1				
	Pitcher - Cream, 1-1/4 pt	1	1				
	Kit - First aid, aeronautic, MD item No. 9-196-650	8	1				
	Cloth - Dish, 12 in.	6	3				
	Bag - Laundry, 4 oz cotton duck	4	1				
	Napkin - Paper, carton containing 1000	2	1				
	(O) INTERIOR, GENERATOR AND FIRE PUMP COMPARTMENT						
	Battery - 6 v, starting, 6 v, 175 ah, or equal	1	1				
	(P) EXTERIOR, UNDERWATER						
	Shaft - Propeller, dwg No. 416-23	4	2				
	Propeller - 23-3/4 in. dia x 23-3/4 in. pitch, dwg No. 416-115, one each LH and RH	4	2				

STOCK NO.	NOMENCLATURE	Total Req	Req per Section	EQUIP. CHECKS 1	2	3	4
	(P) EXTERIOR, UNDERWATER (Cont)						
	Strut - Dwg No. 416-22	2	2				
	Rudder - Dwg No. 416-109	2	2				
	(Q) MISCELLANEOUS ON SHORE STORE						
	Case - Pillow, white cotton, 45 x 34 in.	44	22				
	Sheet - White cotton, 54 x 88 in., type I, 1 in. hem	64	32				
	Blanket - Gray, type II, 60 x 90 in.	57	19				
	Napkin - Paper, carton containing 1000	2	1				
	Cloth - Dish, 12 in.	6	3				
	Shaft - Propeller, wrapped, dwg No. 416-23	4	2				
	Cradle - Shipping w/lifting sling, dwg No. 416-11ALT.1	1	1				
	Bag - Laundry, 4 oz cotton duck	4	2				

BY ORDER OF THE SECRETARY OF THE AIR FORCE:

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United States Air Force

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