

**LANDING CRAFT, UTILITY**  
**(LCU-2000 CLASS)**  
**NSN 1905-01-154-1191**

Reference TM 55-1905-223-10, TM 55-1905-223-24-Series.

**Reporting Errors and Recommending Improvements**

You can improve this publication. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Submit your DA Form 2028 (Recommended Changes to Equipment Technical Publications) through the Internet on the Army Electronic Product Support (AEPS) Web site. The Internet address is <https://aeeps.ria.army.mil>. The DA Form 2028 is located under the Public Applications section on the AEPS public home page. Fill out the form and click on SUBMIT. Using this form on the AEPS site will enable us to respond quicker to your comments and to manage the DA Form 2028 program better. You may also mail, fax, or e-mail your letter or DA Form 2028 directly to: AMSTA-LC-LMIT/TECH PUBS, TACOM-RI, 1 Rock Island Arsenal, IL 61299-7630. The e-mail address is [TACOM-TECH-PUBS@ria.army.mil](mailto:TACOM-TECH-PUBS@ria.army.mil). The fax number is DSN 793-0726 or Commercial (309) 782-0726.

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Intervals (on condition or hard time) and the related task-hour times are based on normal operations. The task-hour time specified is the time you need to do all the services prescribed for a particular interval. On-condition (OC) oil sample intervals shall be applied unless changed by the Army Oil Analysis Program (AOAP) laboratory. Change the hard time interval if your lubricants are contaminated or if you are operating the equipment under adverse operating conditions, including longer-than-usual operating hours. The hard time interval may be extended during periods of low activity. If extended, adequate preservation precautions must be taken. Hard time intervals will be applied in the event AOAP laboratory support is not available.

Clean fittings before lubricating. Clean parts with dry CLEANING SOLVENT (SD), type II or equivalent. Relubricate all areas exposed to water after vessel operation.

Dry before lubricating. Dotted arrow points indicate lubrication on both sides of the equipment.

Level of maintenance. The lowest level of maintenance authorized to lubricate a point is indicated by one of the following: (C) Operator/crew; (O) Unit Maintenance.

For arctic operation refer to FM 9-207.

\*The time specified is the time required to perform all services at the particular interval.

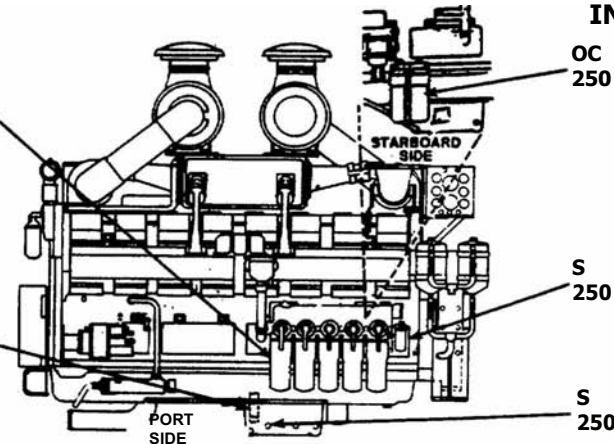
**LUBRICANT • INTERVAL**

Engine Oil Filter (Remove Replace, Clean) (See Note 1) (C)

Crankcase Oil Level Gauge (Check Level) (See Note 2) (C)

OC  
250

D



**KTA50 MAIN PROPULSION ENGINE**

**INTERVAL • LUBRICANT**

OC 250 OE/HDO Engine Oil Bypass Filter (Remove, Replace) (See Note 1) (C)

S 250 OE/HDO Crankcase Oil Fill Cap (C)

S 250 OE/HDO Crankcase Oil Drain (Drain, Refill) (See Notes 3,4) (C)

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
S OR 250	1.0	D OC OR 250	0.1 1.0

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
OE/HDO (MIL-PRF-2104) Lubricating oil, internal combustion engine, tactical service	55 gallons	15W/40	D-Daily S-Semiannually (6 months) OC-On Condition

Notes:

1. Install filters, fill crankcase. Operate at idle and inspect for leaks. Shut off engine, and allow 5 minutes for oil to drain to crankcase. Check oil level with dipstick.
2. Check crankcase level with engine shutdown.
3. A sample of oil shall be sent to an AOAP Laboratory for analysis at an interval of 100 hours or 90 days for Active Army and 50 hours or 180 days for USAR/NG. Refer to TB 43-0211 for sampling requirements.
4. When AOAP Laboratory support is not available, drain and refill crankcase at 250 hours or 6 months.

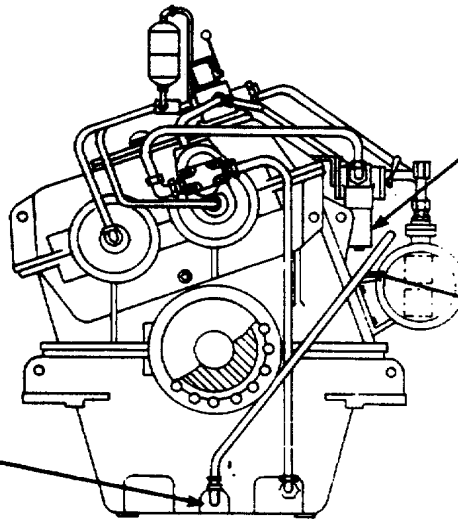
**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

**CAUTION**  
DO NOT USE MULTI-VISCOSITY OIL IN THIS GEARBOX

Gearbox Oil Drain (Drain, Refill) (See Note 5) (C)  
Rotella

S  
2000



Rotella Gearbox Oil Filter (Remove, Replace) (See Note 6) (C)  
D  
Rotella Gearbox Oil Level Dipstick (Check Level) (C)

**WAV 850 MAIN REDUCTION GEAR**

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
S or 2000	1.0	D S or 2000	0.1 1.0

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
Rotella Lubricating oil, internal combustion engine, tactical service	10.5 gallons	40W	D-Daily S-Semiannually (6 months)

Notes:

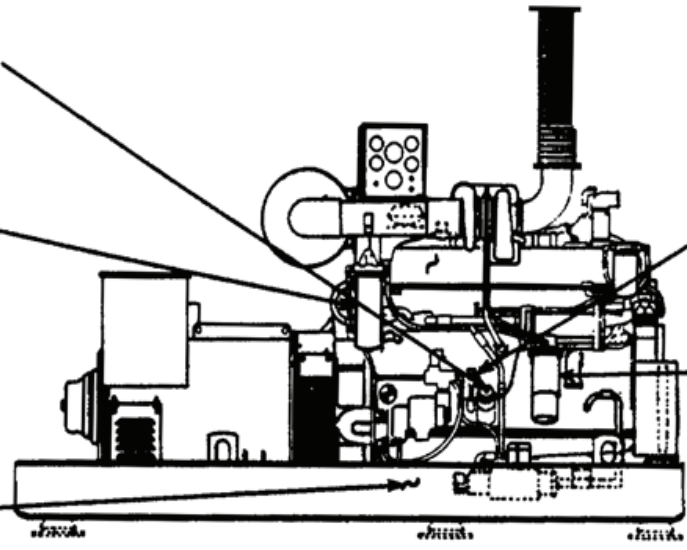
5. A sample of oil shall be sent to an AOAP Laboratory for analysis at an interval of 100 hours or 90 days for Active Army and 50 hours or 180 days for USAR/NG. Refer to TB 43-0211 for sampling requirements.
6. There are two filters in the main oil circuit with a changeover lever.
7. When AOAP laboratory support is not available, drain and refill crankcase and remove and replace gearbox oil filter at 2000 hours or 6 months.

**LUBRICANT • INTERVAL**

Crankcase Oil OE/HDO **OC 250**  
 Fill Cap  
 (See Note 8)  
 (C)

Engine Oil OE/HDO **OC 250**  
 Bypass Filter  
 AOAP Analysis  
 (Remove, Clean,  
 Replace)  
 (See Note 8)  
 (C)

Crankcase Drain OE/HDO  
 (Drain, Fill)  
 (See Notes 10, 11)  
 (C)



**INTERVAL • LUBRICANT**

OE/HDO Crankcase Oil  
 Level Dipstick  
 (Check Level)  
 (See Note 9)  
 (C)

OE/HDO Engine Oil  
 Filter  
 AOAP Analysis  
 (Remove, Clean,  
 Replace)  
 (See Note 8)  
 (C)

**NTA 855-GC SHIP SERVICE GENERATOR SET**

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
OC or 250	1.0	D	0.1
		OC or 250	1.0

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
OE/HDO (MIL-PRF-2104) Lubricating oil, internal combustion engine, tactical service	11 gallons	15W/40	D-Daily OC-On Condition

Notes:

8. Install filters, fill crankcase. Operate at idle and inspect for leaks. Shut off engine, and allow 5 minutes for oil to drain to crankcase. Check oil level with dipstick.

9. Check crankcase level with engine shutdown.

10. A sample of oil shall be sent to an AOAP Laboratory for analysis at an interval of 100 hours or 90 days for Active Army and 50 hours or 180 days for USAR/NG. Refer to TB 43-0211 for sampling requirements.

11. When AOAP Laboratory support is not available, drain and refill crankcase at 250 hours or 6 months.

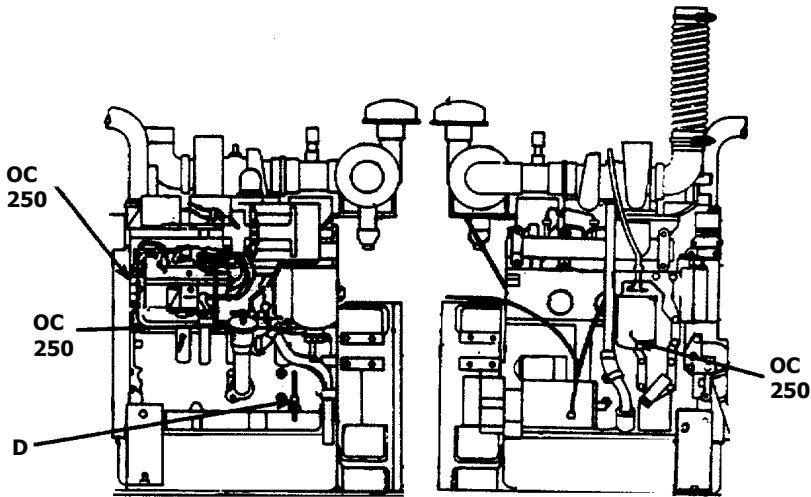
**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Crankcase Oil Sump Pump (Drain, Refill) (See Note 13) (C) OE/HDO

Crankcase Oil Fill Cap (C) OE/HDO

Crankcase Oil Level Gauge (Check Level) (See Note 15) (C) OE/HDO



OE/HDO Engine Oil Filter (Remove, Clean, Replace) (See Note 12) (C)

**4BT 3.9GC EMERGENCY GENERATOR SET**

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
OC or 250	1.0	D	0.1

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
OE/HDO (MIL-PRF-2104) Lubricating oil, internal combustion engine, tactical service	10 gallons	15W/40	D-Daily OC-On Condition

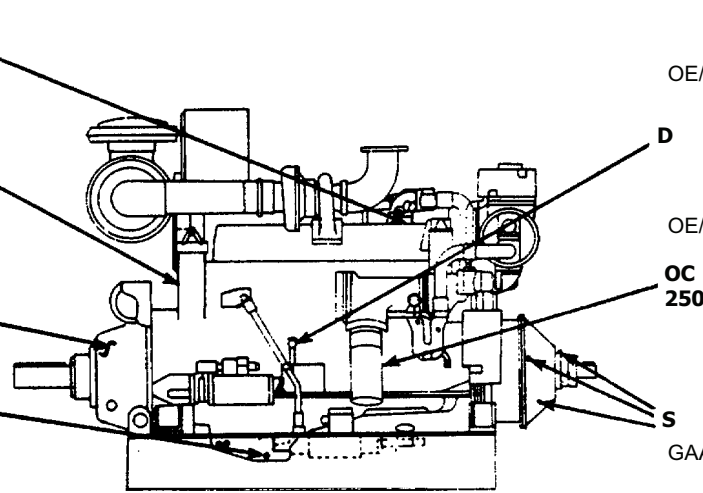
Notes:

- 12. Install filters, fill crankcase. Operate at idle and inspect for leaks. Shut off engine, and allow 5 minutes for oil to drain to crankcase. Check oil level with dipstick.
- 13. Check crankcase level with engine shutdown.
- 14. A sample of oil shall be sent to an AOAP Laboratory for analysis at an interval of 100 hours or 90 days for Active Army and 50 hours or 180 days for USAR/NG. Refer to TB 43-0211 for sampling requirements.
- 15. When AOAP Laboratory support is not available, drain and refill crankcase at 250 hours or 6 months.

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

- Crankcase Oil Fill Cap (C) OE/HDO **OC 250**
- Engine Oil Bypass Filter (Remove, Clean, Replace) (See Note 16) (C) OE/HDO **OC 250**
- Bearing Grease Fitting (3 places) (See Note 20) (C) GAA **S**
- Crankcase Drain (Drain, Fill) (See Notes 18, 19) (C) OE/HDO **OC 250**



- OE/HDO Crankcase Oil Level Gauge (See Note 17) (C) **D**
- OE/HDO Engine Oil Filter, AOAP Analysis (Remove, Clean, Replace) (See Note 16) (C) **OC 250**
- GAA Bearing Grease Fittings (See Note 20) (C) **S**

**NT 885-M BOW THRUSTER ENGINE**

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
OC or 250	1.0	D	0.1
S	0.5	OC or 250	1.0
		S	0.5

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
OE/HDO (MIL-PRF-2104) Lubricating oil, internal combustion engine, tactical service	11 gallons	15W/40	D-Daily S-Semiannually OC-On Condition
GAA (MIL-PRF-10924) Grease, automotive and artillery	As Required		

Notes:

- 16. Install filters, fill crankcase. Operate at idle and inspect for leaks. Shut off engine, and allow 5 minutes for oil to drain to crankcase. Check oil level with dipstick.
- 17. Check crankcase level with engine shutdown.
- 18. A sample of oil shall be sent to an AOAP Laboratory for analysis at an interval of 100 hours or 90 days for Active Army and 50 hours or 180 days for USAR/NG. Refer to TB 43-0211 for sampling requirements.
- 19. When AOAP Laboratory support is not available, drain and refill crankcase at 250 hours or 6 months.
- 20. Clean grease fitting. Apply 2 or 3 strokes of grease from a hand held lubrication gun. Wipe off excess.

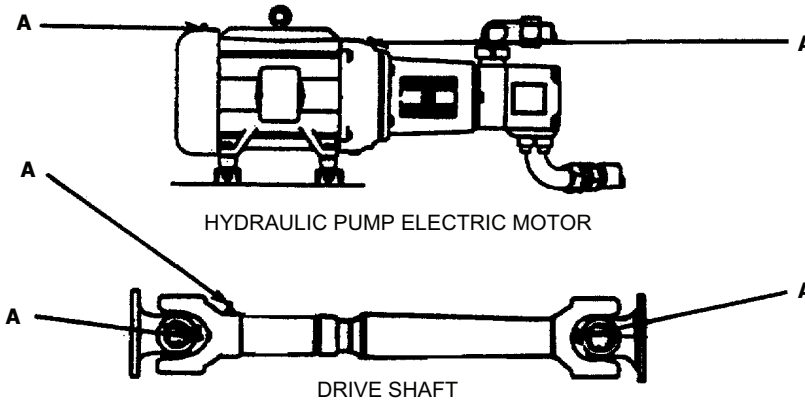
**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Motor Bearing Grease Fitting (See Note 21) (C) GAA

Spline Grease Fitting (See Note 21) (C) GAA

Universal Joint Grease Fitting (See Note 21) (C) GAA



GAA Motor Bearing Grease Fitting (See Note 21) (C)

GAA Universal Joint Grease Fitting (See Note 21) (C)

**SPJ-55 BOW THRUSTER WATER JET**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
A	0.4

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES		INTERVALS
		ALL TEMPERATURES		
GAA Grease, automotive and artillery (MIL-PRF-10924)	As Required	Grease		A-Annually (12 months)

Notes:

21. Clean grease fitting. Apply 3 or 4 strokes of grease. Wipe off excess.

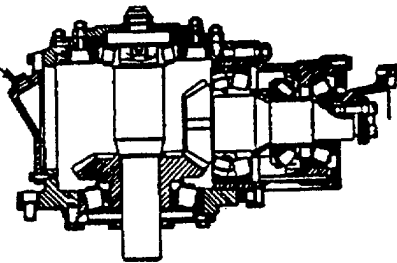
**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Fill, Drain  
Threaded Plug  
(See Notes 22,  
23)  
(C)

GO-80/90

A

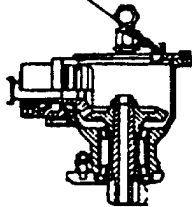


UPPER GEAR ASSEMBLY

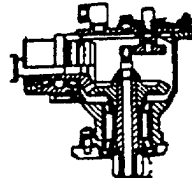
Fill, Drain  
Threaded Plug  
(See Notes 22,  
23)  
(C)

GO-80/90

A



LEFT STEERING GEAR BOX



RIGHT STEERING GEAR BOX

GO-80/90

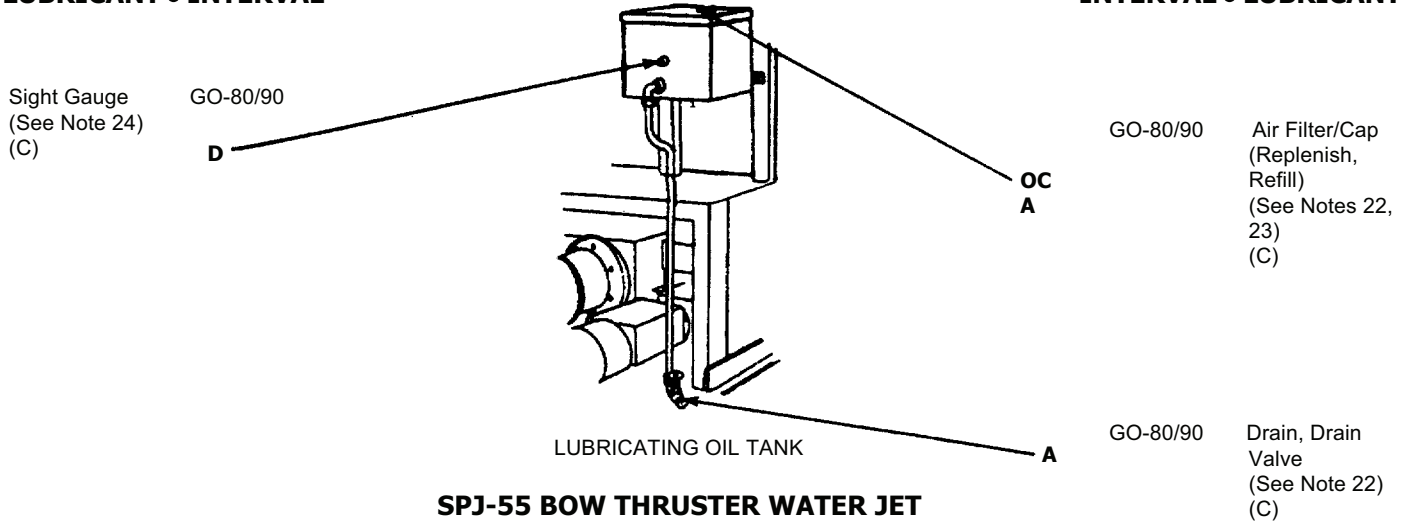
Fill, Drain  
Threaded Plug  
(See Notes 22,  
23)  
(C)

A

**SPJ-55 BOW THRUSTER WATER JET**

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**



**SPJ-55 BOW THRUSTER WATER JET**

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
D	0.1	A	1.0
OC	0.2		

-KEY-

LUBRICANTS		CAPACITY	EXPECTED TEMPERATURES	INTERVALS
			ALL TEMPERATURES	
GO-80/90 (SAE-J2360)	Lubricating oil, gear, multipurpose	44 quarts	80/90	D-Daily A-Annually (12 months) OC-On Condition

Notes:

22. Place drain pan under drain valve. Remove oil tank air filter. Open valve and drain oil. Close valve and wipe spillage. Remove screw plugs on both left and right steering gear boxes and upper gear assembly.

Use suction tube of oil evacuation pump to pump oil from both gear boxes and upper gear assembly. Reinstall screw plugs and add oil to oil tank until level reaches middle of gauge glass. Clean and reinstall air filter.

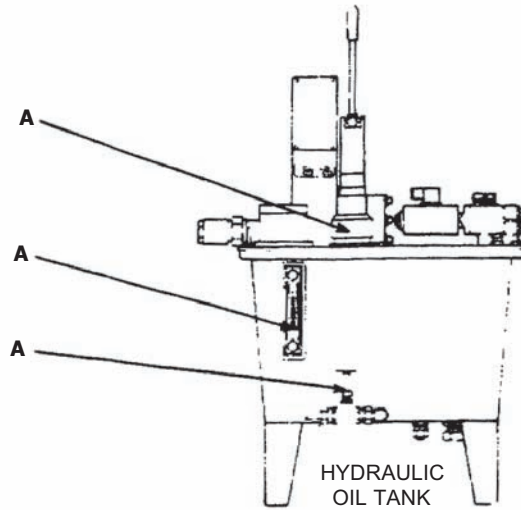
23. Recheck oil level during first few hours of operation.

24. Check oil level daily and replenish as needed to maintain level at middle of sight gauge.



**LUBRICANT • INTERVAL**

- Drain and Replace Hydraulic Oil (See Note 25) (C) FRH
- Filler Cap (See Note 25) (C) FRH
- Sight Gauge (See Note 25) (C) FRH
- Drain Valve (See Note 25) (C) FRH



**SPJ-55 BOW THRUSTER WATER JET**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
A	1.0

- KEY -

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
FRH (MIL-PRF-46170) Hydraulic fluid, rust inhibited, fire resistant (H-544)	11 gallons	Fluid, hydraulic	A-Annually (12 months)

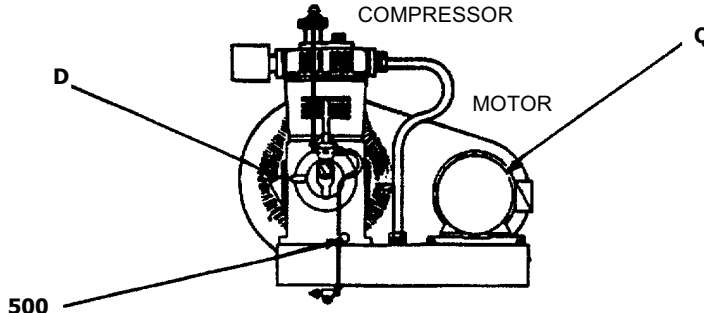
Notes:

25. Open drain valve(s) and drain reservoir(s). Close drain valve(s). Remove filler cap(s) and fill reservoir(s) to the HIGH mark on sight gauge(s) with hydraulic fluid.

**LUBRICANT • INTERVAL**

Oil Level Gauge (Check Level) (C) OE/HDO

Crankcase Oil Drain (See Note 26) (C) OE/HDO



**INTERVAL • LUBRICANT**

GAA Motor Bearings Grease Fittings (See Note 27) (C)

**AIR COMPRESSOR ASSEMBLY**

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
D	0.1	Q	0.5
500	1.0		

-KEY-

LUBRICANTS		CAPACITY	EXPECTED TEMPERATURES	INTERVALS
			ALL TEMPERATURES	
OE/HDO (MIL-PRF-2104)	Lubricating oil, engine	9.5 pints	15W/40	D-Daily Q-Quarterly (3 months)
GAA (MIL-PRF-10924)	Grease, automotive and artillery	As required	All Temperatures Grease	

Notes:

26. Change oil every 500 hours. Remove plug then flush crankcase and oil strainer with an approved petroleum-based solvent. Drain solvent. Reinstall plug and fill with oil.

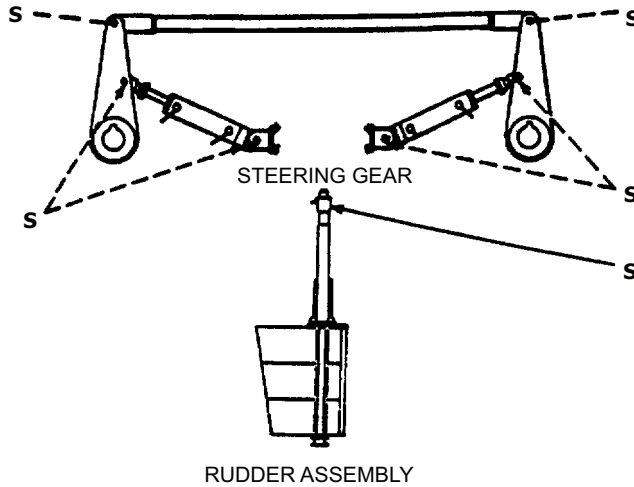
27. Grease motor bearings using hand lubricating gun. Apply one stroke (one quarter ounce) to grease fitting.

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Tiller Arm GAA  
Grease Fitting  
(See Note 28)  
(C)

Hydraulic Cylinder GAA  
Grease Fittings  
(See Note 28)  
(C)



GAA Tiller Arm  
Grease Fitting  
(See Note 28)  
(C)

GAA Hydraulic  
Cylinder Grease  
Fittings (See  
Note 28) (C)

GAA Upper Bearing  
Housing  
Grease Fitting  
2 Places  
(See Note 28)  
(C)

**STEERING GEAR SYSTEM**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
S	1.0

-KEY-

LUBRICANTS		CAPACITY	EXPECTED TEMPERATURES	INTERVALS
			ALL TEMPERATURES	
GAA (MIL-PRF-10924)	Grease, automotive and artillery	As required	Grease	S-Semiannually (6 months)

Notes:

28. Grease daily when in use. Use hand held lubrication gun. Apply until fresh grease exudes from bearing. Wipe off excess.

**LUBRICANT • INTERVAL**

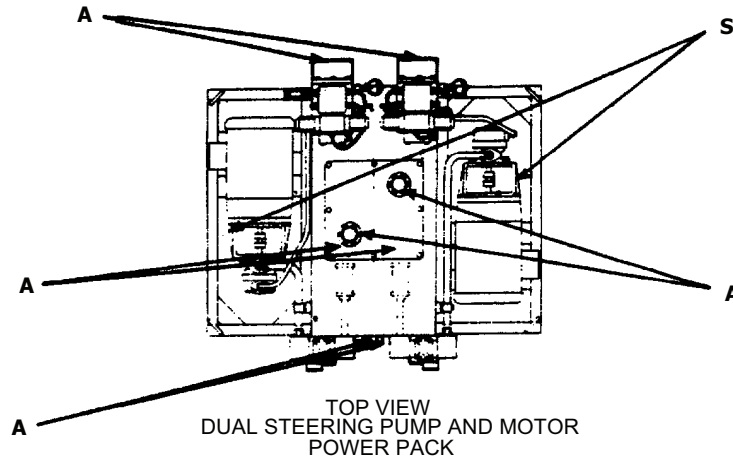
Drain and Refill Header Tanks (1/2 Gal Each Tank) (See Note 31) (C) **FRH**

Drain and Refill Hydraulic Fluid Reservoirs (11 Gal Each Side) (See Note 30) (C) **FRH**

**INTERVAL • LUBRICANT**

**GAA** Motor Bearing Grease Fittings (See Note 29) (C)

**FRH** Fill Caps (See Note 30) (C)



**STEERING GEAR SYSTEM**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
S	0.5
A	1.0

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES		INTERVALS
		ALL TEMPERATURES		
GAA Grease, automotive (MIL-PRF-10924) and artillery	As required	Grease		S-Semiannually (6 months)
FRH Hydraulic fluid, (MIL-PRF-46170) rust inhibited, fire resistant (H-544)	22 gal. (reservoir) ½ gal. (header tank)	Fluid, hydraulic		A-Annually (12 months)

**Notes:**

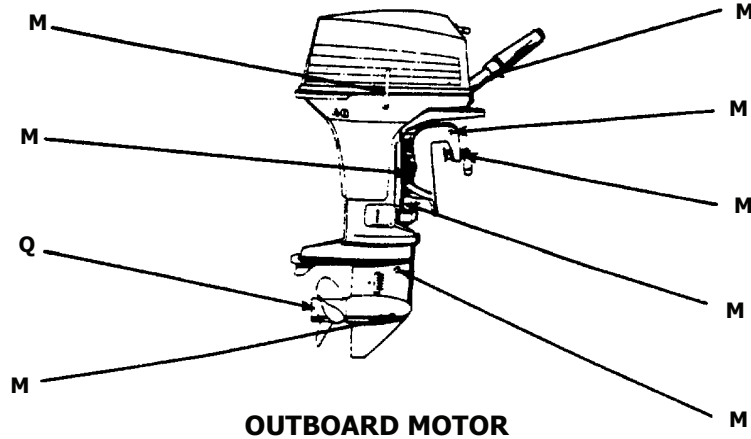
29. Grease daily when in use. Use hand held lubrication gun. Apply until fresh grease exudes from bearing. Wipe off excess.

30. Open drain valve(s) and drain reservoir(s). Close drain valve(s). Remove filler cap(s) and fill reservoir to the HIGH mark on sight gauge(s) with hydraulic fluid.

31. Disconnect line on bottom of header tanks and drain. Remove filler plug. Connect bottom line and refill header tanks with clean hydraulic fluid (1/2 gal. to each tank).

**LUBRICANT • INTERVAL**

- Grease Shaft Linkage (See Note 32, 35) (C)      GAA
- Reverse Lock Lever (See Note 32, 35) (C)      GAA
- Remove Propeller Grease Splined Shaft (See Note 32, 34) (C)      GAA
- Gear Housing Fill/Drain Plug (See Note 32, 36) (C)      GO-80/90



**INTERVAL • LUBRICANT**

- GAA Grease Throttle Linkage (See Note 32, 35) (C)
- GAA Tilt Tube Grease Fittings (See Note 32, 33) (C)
- GAA Grease Clamp Screws (See Note 32, 35) (C)
- GAA Swivel/Bracket Pin Grease Fittings (See Note 32, 33) (C)
- GO-80/90 Gear Housing Vent Plug (See Note 32, 36) (C)

TOTAL TASK-HOURS	
INTERVAL	TASK-HOURS*
M	0.2
Q	0.5

-KEY-

LUBRICANTS		CAPACITY	EXPECTED TEMPERATURES	INTERVALS
			ALL TEMPERATURES	
GAA (MIL-PRF-10924)	Grease, automotive and artillery	As required	Grease	M-Monthly Q-Quarterly (3 months)
GO-80/90 (SAE-J2360)	Lubricating oil, gear, multipurpose	As required	Lubricating oil, gear, multipurpose	

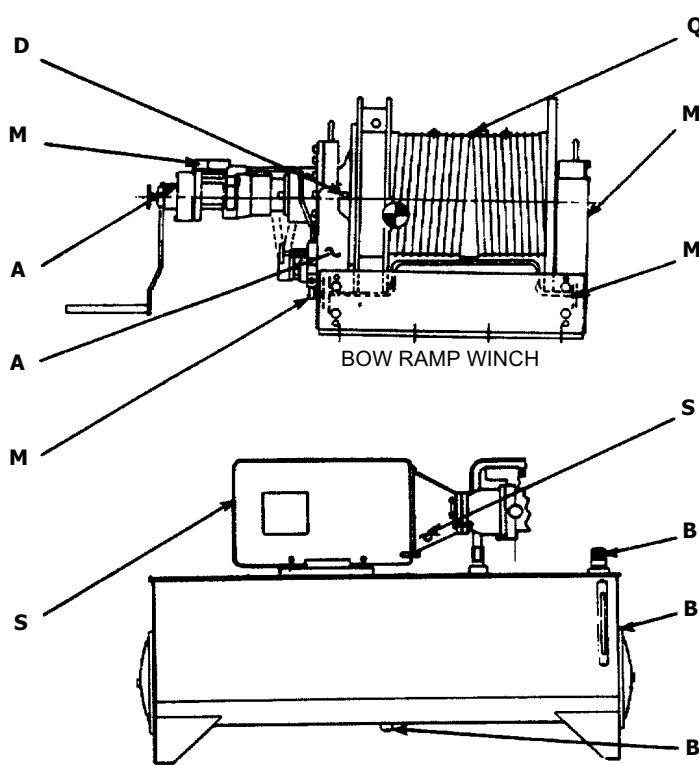
Notes:

- 32. If originally issued outboard motor has been replaced, refer to OEM manual for lubrication instructions.
- 33. Grease motor bearings using hand lubricating gun. Apply one stroke (one quarter ounce) to grease fitting.
- 34. Apply grease evenly with small brush or by hand.
- 35. Apply lubricant sparingly with small hand brush.
- 36. Remove fill/drain plug. Insert grease tube nozzle into fill/drain hole. Remove gear housing vent plug. Add gear oil until the oil starts to ooze from the vent plug hole. Install vent plug before removing grease tube nozzle. Install fill/drain plug.

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

- Oil Level Check GO-80/90  
(See Notes 37, 42)  
(C)
- Interlock Switch GAA  
(See Note 40)  
(C)
- Emerg. Hand Crank (See  
Note 41) (C) GAA
- Gear Reducer GO-80/90  
(See Note 42)  
(C) A
- Slack Wire Limit Switch SSL  
(See Note 40)  
(C) M
- Grease Motor Bearing GAA  
(See Note 38) S



- GWR Wire Rope  
(See Note 43)  
(C)
- GAA Outboard Drum  
Bearing Grease  
Fitting (See  
Note 39) (C)
- GAA Slack Wire  
Detector Pivot  
Points  
(See Note 43)  
(C)
- GAA Hydraulic Power  
Pack Grease  
Motor Bearings  
(See Note 38)
- FRH Fill Cap  
(See Note 44)  
(C)
- FRH Sight Glass  
(See Note 44)  
(C)
- FRH Drain and Fill  
Reservoir (See  
Note 44) (C)

HYDRAULIC PUMP ELECTRIC MOTOR AND RESERVOIR  
FOR BOW RAMP WINCH

**BOW RAMP ASSEMBLY**

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
A	0.3	Q	0.3
M	0.5	S	0.3
D	0.1	B	1.0

-KEY-

LUBRICANTS		CAPACITY	EXPECTED TEMPERATURES	INTERVALS
			ALL TEMPERATURES	
GO-80/90 (SAE-J2360)	Lubricating oil, gear, multipurpose	9 quarts	Lubricating oil, gear, multipurpose	D-Daily
GMP (MIL-PRF-24139)	Grease, multipurpose	As Required	Grease, multipurpose	M-Monthly
GWR (MIL-G-18458)		As Required	Grease, wire rope, exposed gear	Q-Quarterly (3 months)
GAA (MIL-PRF-10924)		As Required	Grease	S-Semiannually (6 months)
SSL NSN 6850-00-880-7616 (SAE-AS8660)		As Required	Silicone compound	A-Annually (12 months)
FRH (MIL-PRF-46170) (H-544)	Hydraulic fluid, rust inhibited, fire resistant	150 gallons	Fluid, hydraulic	B-Biennially (24 months)

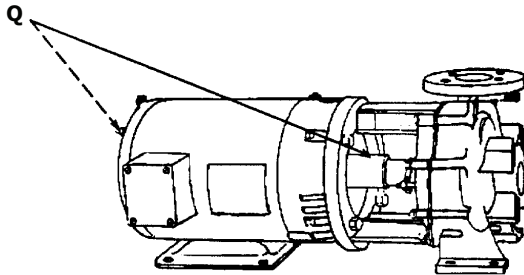


**LUBRICANT • INTERVAL**

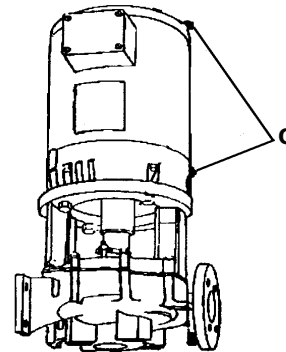
**INTERVAL • LUBRICANT**

Motor Bearings Grease Fittings  
(See Note 46)  
(C)

GAA Motor Bearings Grease Fittings  
(See Note 47)  
(C)



W/O Fire Pump Replacement  
MWO 55-1905-223-55-8



W/ Fire Pump Replacement  
MWO 55-1905-223-55-8

CENTRIFUGAL PUMP UNIT

**FIRE PUMPS SUBSYSTEM**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
Q	0.3

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA Grease, automotive and artillery (MIL-PRF-10924)	As Required	Grease	Q-Quarterly (3 months)

Notes:

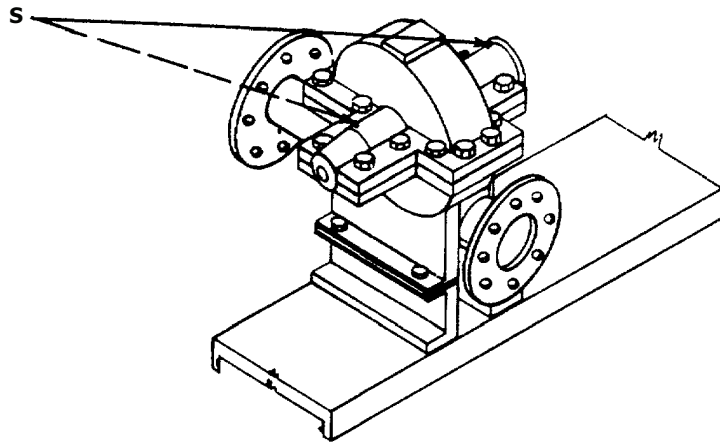
46. Motor bearings. Remove the drain plug from each end of the motor bearing housing. Attach a hand operated grease gun to one end of the motor's grease fitting. Apply grease until a small amount appears at the drain hole. Do not overgrease. Repeat process at the other end of the motor. Wipe away excess grease from bearing housing drain holes and replace drain plugs. Wipe away excess grease on fittings

47. Motor bearings. Remove the drain plug from each end of the motor bearing housing; removal of the fan cover is required. Attach a hand operated grease gun to one end of the motor's grease fitting. Apply grease until a small amount appears at the drain hole. Do not overgrease. Repeat process at the other end of the motor. Wipe away excess grease from bearing housing drain holes and replace drain plugs. Wipe away excess grease on fittings.



**LUBRICANT • INTERVAL**

Pump Bearings GAA  
 Grease Fittings  
 (See Note 48)  
 (C)



**AUXILIARY FIRE PUMP ASSEMBLY**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
S	0.3

-KEY-

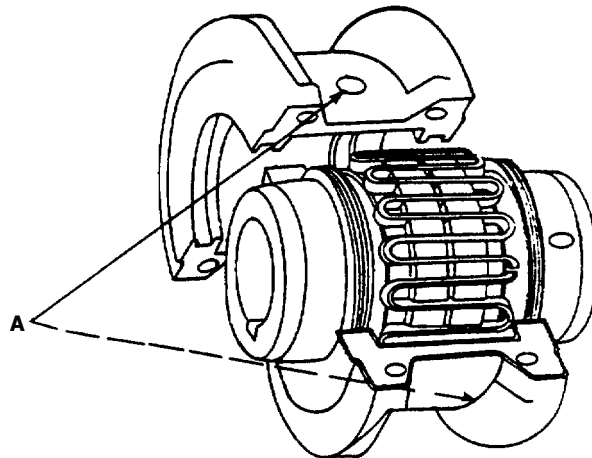
LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA Grease, automotive (MIL-PRF-10924) and artillery	As Required	Grease	S-Semiannually (6 months)

Notes:

48. Grease daily when in use. Use hand held lubrication gun. Apply until fresh grease exudes from bearing. Wipe off excess.

**LUBRICANT • INTERVAL**

Grease Fitting GAA  
(See Note 49)  
(C)



**FLEXIBLE SHAFT COUPLING  
AUXILIARY FIRE PUMP**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
A	0.3

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA (MIL-PRF-10924) Grease, automotive and artillery	As Required	Grease	A-Annually (12 Months)

Notes:

49. Grease daily when in use. Use hand held lubrication gun. Apply until fresh grease exudes from bearing. Wipe off excess.

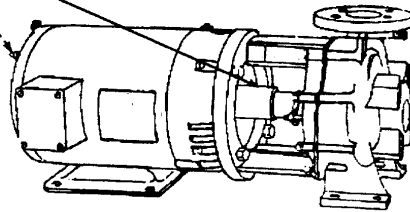
**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Motor Bearings  
Grease Fittings  
(See Note 50)  
(C)

GAA

Q

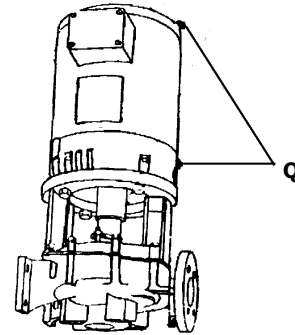


W/O Bilge/Ballast Pump Replacement  
MWO 55-1905-223-55-8

GAA

Motor Bearings  
Grease Fittings  
(See Note 51)  
(C)

Q



W/ Bilge/Ballast Pump Replacement  
MWO 55-1905-223-55-8

**BILGE/BALLAST PUMP ASSEMBLY**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
Q	0.3

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES		INTERVALS
		ALL TEMPERATURES		
GAA (MIL-PRF-10924) Grease, automotive and artillery	As Required	Grease		Q-Quarterly (3 months)

Notes:

50. Motor bearings. Remove the drain plug from each end of the motor bearing housing. Attach a hand operated grease gun to one end of the motor's grease fitting. Apply grease until a small amount appears at the drain hole. Do not overgrease. Repeat process at the other end of the motor. Wipe away excess grease from bearing housing drain holes and replace drain plugs. Wipe away excess grease on fittings.

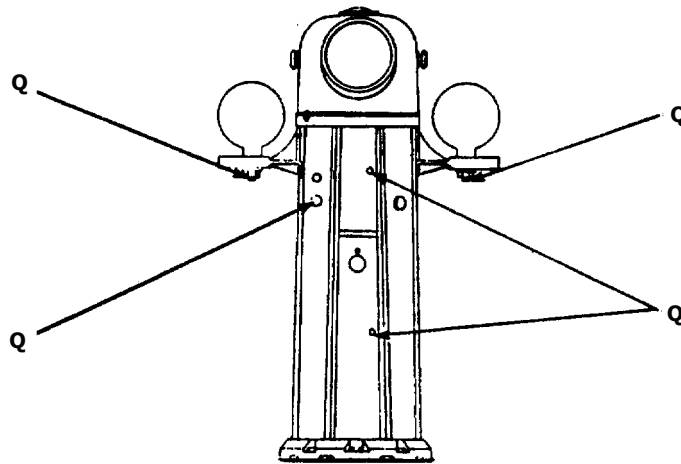
51. Motor bearings. Remove the drain plug from each end of the motor bearing housing; removal of the fan cover is required. Attach a hand operated grease gun to one end of the motor's grease fitting. Apply grease until a small amount appears at the drain hole. Do not overgrease. Repeat process at the other end of the motor. Wipe away excess grease from bearing housing drain holes and replace drain plugs. Wipe away excess grease on fittings.

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Quadrantal Spheres  
(See Note 52)  
(C) S-736

Rheostat Shaft  
(See Note 52)  
(C) S-736



S-736 Quadrantal Spheres  
(See Note 52)  
(C)

S-736 Door Latches  
(See Note 52)  
(C)

**MAGNETIC COMPASS**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
Q	0.3

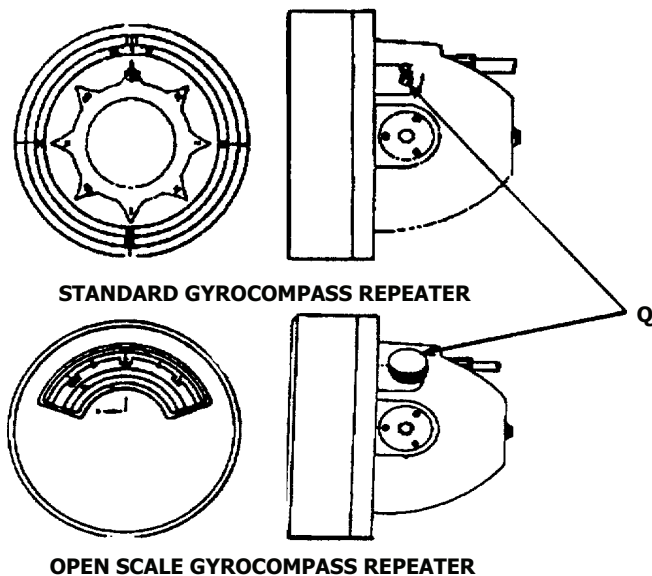
-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
S-736 (SAE-AS8660) Silicone compound	As Required	Silicone compound	Q-Quarterly (3 months)

Notes:

52. Apply lubricant sparingly with small hand brush.

**INTERVAL • LUBRICANT**



S-736 Synchronizing Knob Shaft and Rubber Disc (See Note 53) (C)

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
Q	0.1

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
S-736 (SAE-AS8660) Silicone compound	As Required	Silicone compound	Q-Quarterly (3 months)

Notes:

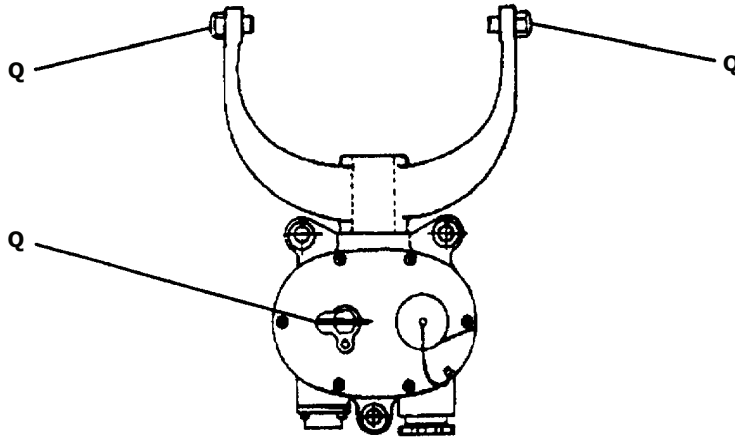
53. Apply lubricant sparingly with a small hand brush.

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Pilot Screws  
(See Note 54)  
(C) S-736

Rheostat Shaft  
(See Note 54)  
(C) S-736



S-736 Pivot Screw  
(See Note 54)

**GYROCOMPASS REPEATER BULKHEAD MOUNT**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
Q	0.2

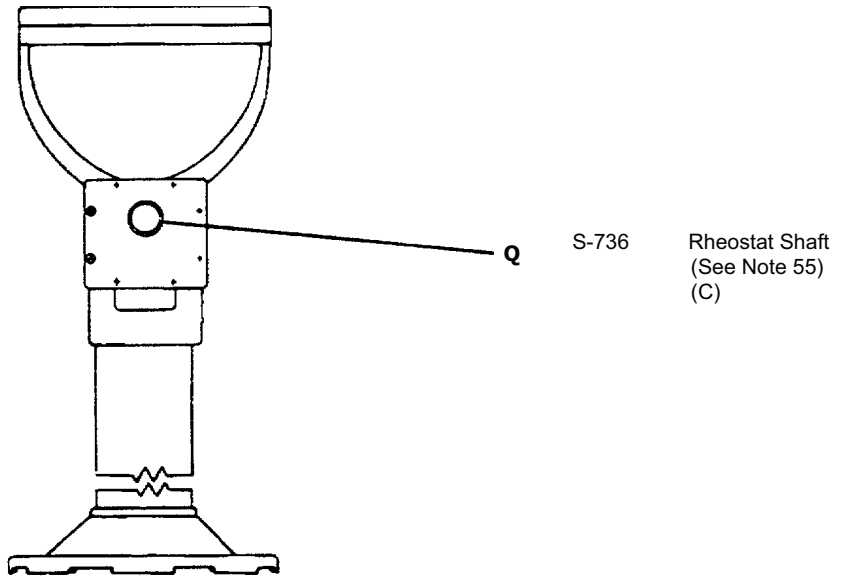
-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES		INTERVALS
		ALL TEMPERATURES		
S-736 (SAE-AS8660) Silicone compound	As Required	Silicone compound		Q-Quarterly (3 months)

Notes:

54. Apply lubricant sparingly with small hand brush.

**INTERVAL • LUBRICANT**



**COLUMN BEARING STAND**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
A	0.1

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
S-736 (SAE-AS8660) Silicone compound	As Required	Silicone compound	Q-Quarterly (3 months)

Notes:

55. Apply lubricant sparingly with small hand brush.

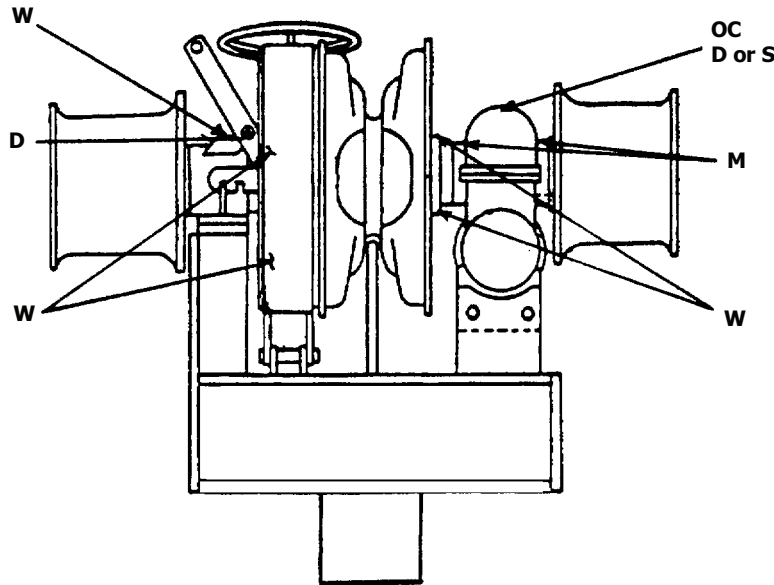
**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Pillowblock  
Grease Fitting  
(See Note 56)  
(C)      GAA

Clutch Groove  
Grease Fitting  
(See Note 56)  
(C)      GAA

Sliding Jaw  
Clutch  
Grease Fittings  
(See Note 56)  
(C)      GAA



GO-80/90      Gear Reducer  
Filler Plug  
(See Note 57)  
(C)

GAA      Gear Reducer  
Bushings  
(See Note 56)  
(C)

GAA      Wildcat  
Grease Fittings  
(See Note 56)  
(C)

BOW ANCHOR WINDLESS  
FORWARD VIEW

**BOW ANCHOR WINDLESS SYSTEM**

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
D	0.1	W	0.3
OC, D or S	0.2	M	0.2

-KEY-

LUBRICANTS		CAPACITY	EXPECTED TEMPERATURES	INTERVALS
			ALL TEMPERATURES	
GO-80/90 (SAE-J2360)	Lubricating oil, multipurpose	As Required	Lubricating oil, multipurpose	D-Daily W-Weekly M-Monthly S-Semiannually (6 months) OC-On Condition
GAA (MIL-PRF-10924)	Grease, automotive and artillery	As Required	Grease	

Notes:

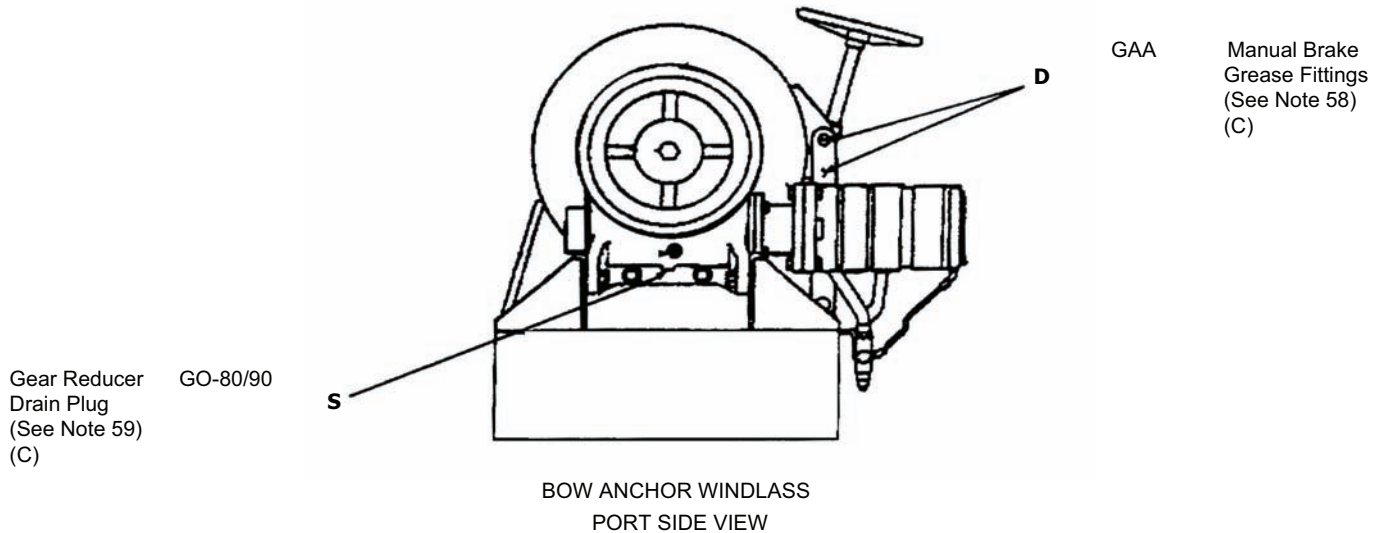
56. Grease daily when in use. Use hand held lubrication gun. Apply until fresh grease exudes from bearing. Wipe off excess.

57. Remove fill plug. Check oil level. Fill reservoir as necessary to bring oil level to bottom of fill plug hole. Install fill plug.



**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**



**BOW ANCHOR WINDLASS SUBSYSTEM**

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
D	0.3	S	0.6

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GO-80/90 (SAE-J2360)	Lubricating oil, multipurpose	As Required	D-Daily S-Semiannually (6 months)
GAA (MIL-PRF-10924)	Grease, automotive and artillery	As Required	

Notes:

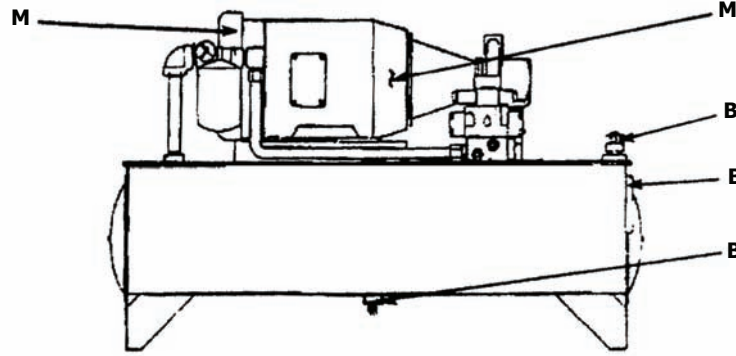
58. Grease daily when in use. Use hand held lubrication gun. Apply until fresh grease exudes from bearing. Wipe off excess.

59. Gear reducer. Remove plug at 6 o'clock position on reducer case and drain reducer completely. Refill with lubricant. Install plug.

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Motor Bearing Grease Fitting (See Note 60) (C)  
GAA



GAA Motor Bearing Grease Fitting (See Note 60) (C)  
FRH Fill Cap (See Note 61) (C)  
FRH Sight Glass (See Note 61) (C)  
FRH Drain and Fill Reservoir (See Note 61) (C)

**HYDRAULIC PUMP ELECTRIC MOTOR AND RESERVOIR FOR BOW ANCHOR WINDLASS**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
M	0.4
B	1.0

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES		INTERVALS
		ALL TEMPERATURES		
GAA (MIL-PRF-10924) Grease, lithium base	As Required	Grease		B-Biennially (24 months)
FRH (MIL-PRF-46170) (H-544) Hydraulic fluid, rust inhibited, fire resistant	30 gallons	Fluid, hydraulic		

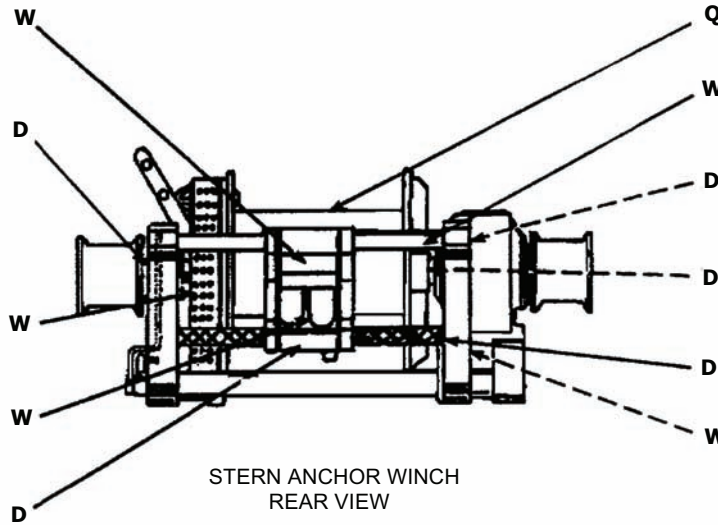
Notes:

60. Grease daily when in use. Use hand held lubrication gun. Apply until fresh grease exudes from bearing. Wipe off excess.

61. Open drain valve(s) and drain reservoir(s). Close drain valve(s). Remove filler cap(s) and fill reservoir(s) to the HIGH mark on sight gauge(s) with hydraulic fluid. Install filler cap(s).

**LUBRICANT • INTERVAL**

- Horizontal Roller Bushing. Grease Fitting (See Note 62) (C)      GAA
- Clutch Groove Grease Fitting (See Note 62) (C)      GAA
- Clutch Sliding Jaw Grease Fitting (See Note 62) (C)      GAA
- Vertical Roller Bushings. Grease Fittings (See Note 62) (C)      GAA
- Levelwind Pawl Grease Fitting (See Note 62) (C)      GAA



**INTERVAL • LUBRICANT**

- GWR      Anchor Cable (See Note 63) (C)
- GAA      Levelwind Guide-shaft (See Note 64) (C)
- GAA      Pillowblock Grease Fitting (See Note 62) (C)
- GAA      Spool Bushing Grease Fitting (See Note 62) (C)
- GAA      Diamond Shaft (See Note 64) (C)
- GAA      Levelwind Chain and Sprocket (See Note 64) (C)

**STERN ANCHOR WINCH SYSTEM**

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
D	0.7	Q	7.0
W	1.0		

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA (MIL-PRF-10924) Grease, automotive and artillery	As Required	Grease	D-Daily W-Weekly Q-Quarterly (3 months)
GWR (MIL-PRF-18458) Grease, wire rope, exposed gear	As Required	Grease, wire rope, exposed gear	

**Notes:**

62. Grease daily when in use. Use hand held lubrication gun. Apply until fresh grease exudes from bearing. Wipe off excess.

**WARNING**

When applying grease to wire rope by hand, wear appropriate gloves; broken strands of wire can cause injury to personnel.

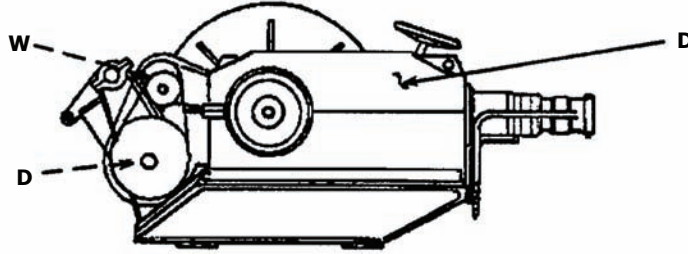
63. Apply grease evenly with small brush or by hand.

64. Apply lubricant sparingly with small hand brush.

**LUBRICANT • INTERVAL**

Levelwind Sprocket and Chain Gear Surface (See Note 66 ) (C)      GWR

Levelwind Bearing Grease Fitting (See Note 65) (C)      GAA



**INTERVAL • LUBRICANT**

GAA      Brake Nut Grease Fitting (See Note 65) (C)

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
D	0.4	W	0.5

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA (MIL-PRF-10924) Grease, automotive and artillery	As Required	Grease	D-Daily W-Weekly
GWR (MIL-PRF-18458) Grease, wire rope exposed gear	As Required	Grease, wire rope, exposed gear	

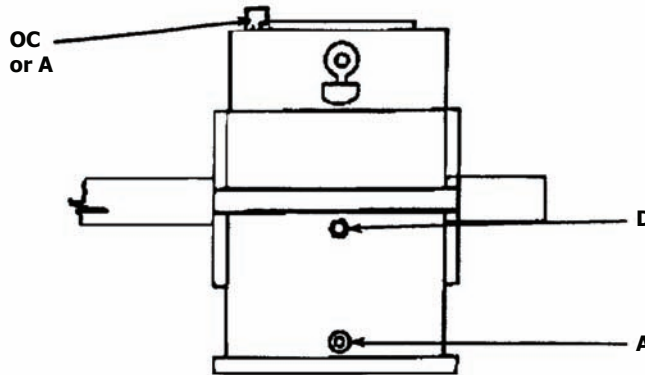
Notes:

65. Grease daily when in use. Use hand held lubrication gun. Apply until fresh grease exudes from bearing. Wipe off excess.

66. Apply grease evenly with small brush or by hand.

**LUBRICANT • INTERVAL**

Oil Filler GO-80/90  
(See Note 67)  
(C)



**INTERVAL • LUBRICANT**

GO-80/90 Sight Gauge  
(See Note 67)  
(C)  
  
GO-80/90 Oil Drain Plug  
(See Note 67)  
(C)

**STERN ANCHOR WINCH REDUCTION GEAR**

TOTAL TASK-HOURS*		TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS	INTERVAL	TASK-HOURS
D	0.1	OC	0.2
A	1.5		

-KEY-

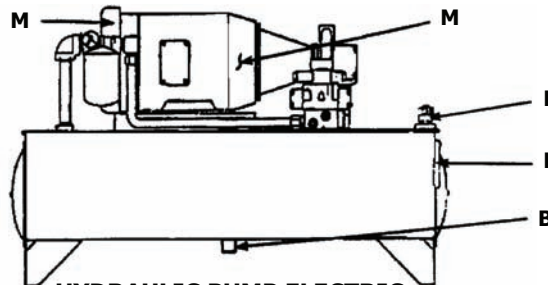
LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES			INTERVALS
		Above +32°F (Above 0°C)	+40°F to -10°F (+5°C to -50°C)	0°F to -65°F (-18°C to -50°C)	
GO-80/90 Lubricating oil, (SAE-J2360) gear, multipurpose	10 gallons	80/90 (0-226)	80/90 (0-186)	75 (0-186)	D-Daily A-Annually (12 Months) OC-On Condition

Notes:

67. Check oil level daily and replenish as needed to maintain level at middle of sight gauge.

**LUBRICANT • INTERVAL**

Motor Bearing Grease Fitting  
(see Note 68)  
(C) GAA



**HYDRAULIC PUMP ELECTRIC MOTOR AND RESERVOIR FOR STERN ANCHOR WINCH**

**INTERVAL • LUBRICANT**

GAA Motor Bearing Grease Fitting  
(See Note 68) (C)  
  
FRH Fill Cap (See Note 69) (C)  
  
FRH Sight glass (See Note 69) (C)  
  
FRH Drain and Fill Reservoir (See Note 69) (C)

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
M	0.4
B	1.0

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES		INTERVALS
		ALL TEMPERATURES		
GAA (MIL-PRF-10924) Grease, automotive and artillery	As Required	Grease		B-Biennially (24 months)
FRH (MIL-PRF-46170) Hydraulic fluid, rust inhibited, fire resistant (H-544)	75 gallons	Fluid, Hydraulic		

Notes:

68. Grease daily when in use. Use hand held lubrication gun. Apply until fresh grease exudes from bearing. Wipe off excess.

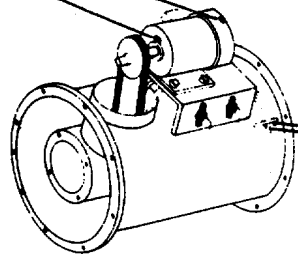
69. Open drain valve(s) and drain reservoir(s). Close drain valve(s). Remove filter cap(s) and fill reservoir(s) to the HIGH mark on sight gauge(s) with hydraulic fluid. Install filler cap(s).

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Motor Bearing  
Grease Fittings  
(See Note 70)  
(C)

S



GAA Fan Bearing  
Grease Fittings  
(See Note 70)  
(C)

BELT DRIVE AXIAL SUPPLY FANS  
SF - 4 BOW THRUSTER COMPARTMENT

**ENVIRONMENTAL CONTROL SUBSYSTEM**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
S	0.2

-KEY-

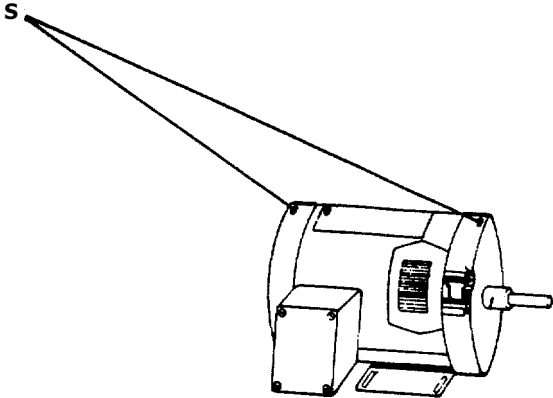
LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA Grease, automotive (MIL-PRF-10924) and artillery	As Required	Grease	S-Semiannually (6 months)

Notes:

70. Grease motor bearings using hand lubricating gun. Apply one stroke (one quarter ounce) to grease fitting.

**LUBRICANT • INTERVAL**

Motor Bearing Grease GAA  
 Grease Fittings (See Note 71)  
 (C)



ELECTRIC MOTORS ON CENTRIFUGAL FANS  
 EF-4 TOILET AND SHOWER  
 EF4 GALLEY HOOD EXHAUST  
 EF-7 PAINT LOCKER

**ENVIRONMENTAL CONTROL SUBSYSTEM**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS
S	0.3

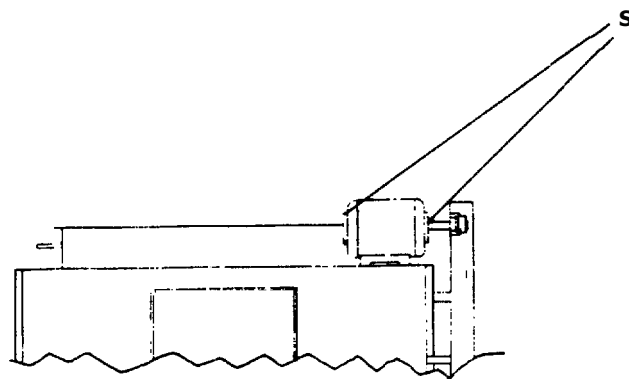
-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA Grease, automotive (MIL-PRF-10924) and artillery	As Required	Grease	S-Semiannually (6 months)

Notes:

71. Grease motor bearings using hand held lubricating gun. Apply one stroke (one quarter ounce) to grease fitting.

**INTERVAL • LUBRICANT**



GAA Motor Bearing  
Grease Fittings  
(See Note 72)  
(C)

AIR CONDITIONER BLOWER MOTOR  
(A/C-2; ACCOMMODATIONS)

**ENVIRONMENTAL CONTROL SUBSYSTEM**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
S	0.2

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA Grease, automotive (MIL-PRF-10924) and artillery	As Required	Grease	S-Semiannually (6 months)

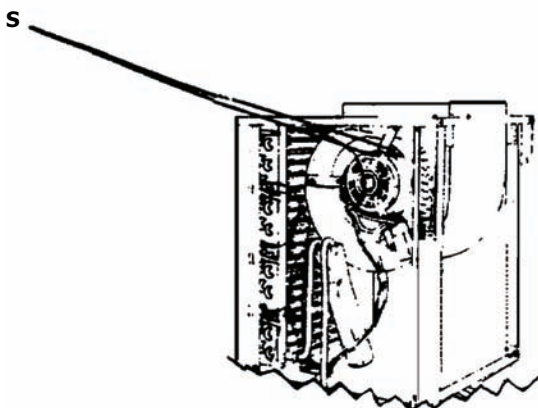
Notes:

72. Grease motor bearings using hand lubricating gun. Apply one stroke (one quarter ounce) to grease fitting.



**LUBRICANT • INTERVAL**

Motor Bearing OE/HDO  
 Oil Passages  
 (See Note 73, 74)  
 (C)



AIR CONDITIONER, SELF-CONTAINED  
 (A/C 1 and 3)

**ENVIRONMENTAL CONTROL SUBSYSTEM**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
S	0.2

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
OE/HDO (MIL-PRF-2104) Oil, lubricating, internal combustion engine, tactical service	6 to 8 drops	15W/40	S-Semiannually (6 months)

Notes:

73. Remove upper left cabinet panel for access to blower motor. Apply 6 to 8 drops of 20W lubricating oil to each motor bearing oil passage.

**WARNING**

Before opening the oil fill or oil drain plugs, close suction and discharge stop valves. Purge the refrigerant charge to remove oil pressure. Failure to remove oil pressure can cause the oil fill or oil drain plugs to come loose at high velocity injuring personnel.

74. Check sight glass after compressor has run for 10 minutes. Oil should be at the half-way point in the sight glass. Add compressor oil as required to maintain proper level. Loosen drain plug only enough for oil to seep from around the plug. Do not totally remove plug or too much oil may be lost.

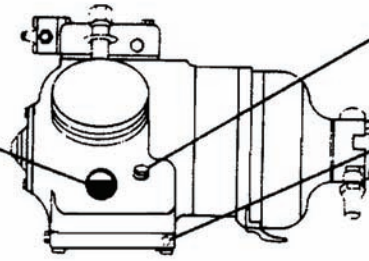
**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Oil Level  
Sight Glass  
(See Note 75)  
(C)

RCO-4

D



RCO-4 Oil Fill  
(See Note 75)  
(C)

RCO-4 Oil Drain  
(See Note 75)  
(C)

AIR CONDITIONER COMPRESSOR  
(A/C-2; ACCOMMODATIONS)

**ENVIRONMENTAL CONTROL SUBSYSTEM**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
D	0.3

-KEY-

LUBRICANTS		CAPACITY	EXPECTED TEMPERATURES	INTERVALS
			ALL TEMPERATURES	
RCO-4 (VV-L-825)	Oil, compressor, refrigeration, type IV	As Required	Oil, compressor, refrigeration. type IV	D-Daily

Notes:

75. Check sight glass after compressor has run for 10 minutes. Oil should be at the half-way point in the sight glass. Add compressor oil as required to maintain proper level. Remove excess oil if above half-way point in sight glass. Loosen drain plug only enough for oil to seep from around the plug. Do not totally remove plug or too much oil may be lost.

**CAUTION**

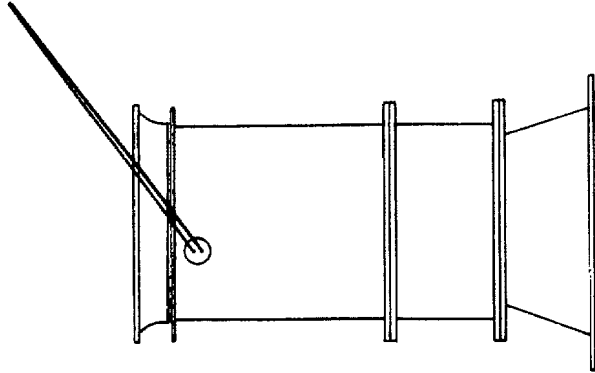
Insure that the suction and discharge service valves are front seated prior to loosening drain plug. Bleed compressor crankcase prior to placing system back on line.

**LUBRICANT • INTERVAL**

Motor Bearing  
Grease Fittings  
(See Note 76)  
(C)

GAA

**S**



DIRECT DRIVE AXIAL SUPPLY AND EXHAUST FANS  
(SF #1,2, and 3; EF #1,2, and 3)

**ENVIRONMENTAL CONTROL SUBSYSTEM**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
S	0.3

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA (MIL-PRF-10924) Grease, automotive and artillery	As Required	Grease	S-Semiannually (6 months)

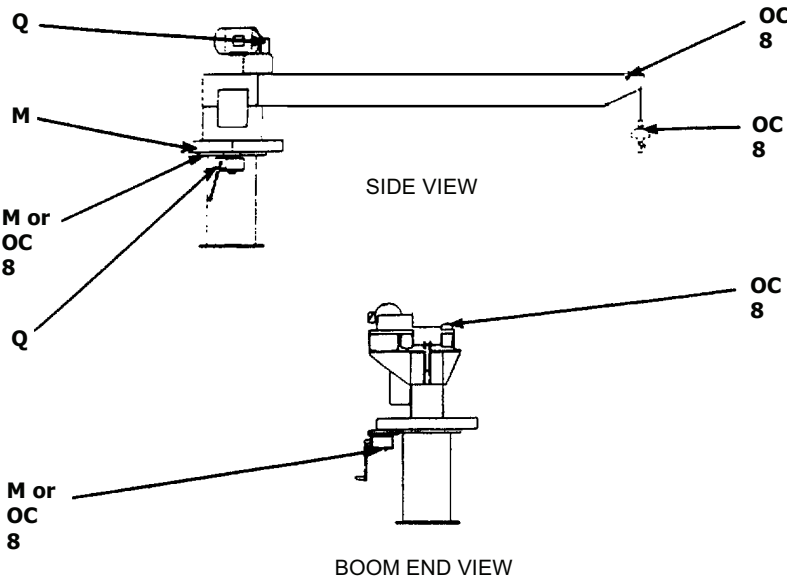
Notes:

76. Grease motor bearings using hand lubricating gun. Apply one stroke (one quarter ounce) to grease fitting.

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

- Gear Box Oil Level Plug (See Note 79) (C) GO-80/90 Q
- Gear and Pinion Teeth (See Note 77) (C) GWR M
- Turntable Bearing Grease Fitting (See Note 78) (C) GAA M or OC 8
- Swing Drive Oil Level Plug (See Note 79) (C) GO-80/90 Q
- Swing Drive Grease Fitting (See Note 78) (C) GAA M or OC 8



- GAA Sheave Grease Fitting (See Note 78) (C) OC 8
- GAA Hook Swivel Grease Fitting (See Note 78) (C) OC 8
- GAA Drum Bearing Grease Fitting (See Note 78) (C) OC 8

**WORKBOAT DAVIT/WINCH**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
M	0.2
Q	0.2
OC or 8	0.1

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES		INTERVALS
		ALL TEMPERATURES		
GAA (MIL-PRF-10924) Grease, automotive and artillery	As Required	Grease		M-Monthly
GO 80/90 (SAE-J2360) Lubricating oil, gear, multipurpose	As Required	Lubricating oil, gear, multipurpose		Q-Quarterly (3 months)
GWR (MIL-PRF-18458) Grease, wire rope exposed gear	As Required	Grease, wire rope - exposed gear		OC-On Condition

Notes:

77. Apply lubricant sparingly with small hand brush.

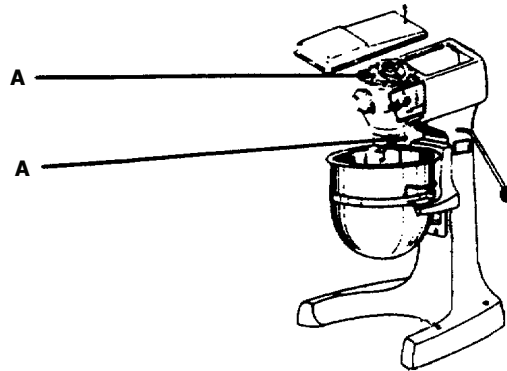
78. Grease monthly or each 8 hours of operation, whichever occurs first. Clean grease fitting. Apply 3 or 4 strokes of grease from a hand lubricating gun. Wipe off excess.

79. Remove oil level plug. Add oil as required to fill gear box to plug level install plug.

**LUBRICANT • INTERVAL**

Fill Plug (See Note 80) (C) Food Grade

Drain Plug (See Note 80) (C) Food Grade



**FOOD MIXER**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
A	0.5

-KEY-

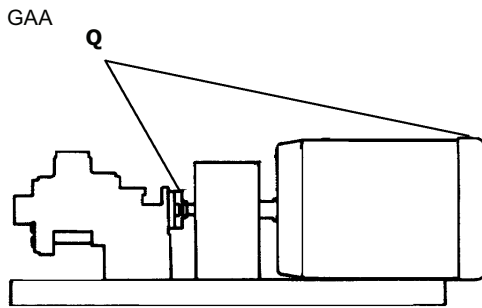
LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
(DOD-L-24651) Lubricating oil, type II	3 pints	Lubricating oil, food grade	A-Annually (12 Months)

Notes:

80. Mixer cover must be removed for access to transmission oil fill plug. Place container under drain and remove drain plug. Drain oil from transmission. Install drain plug. Fill with clean oil. Install oil fill plug and mixer cover.

**LUBRICANT • INTERVAL**

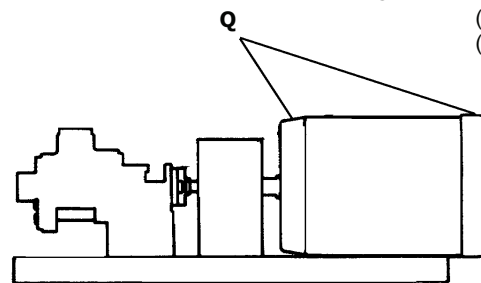
Grease Fittings (See Note 81) (C)



W/O OWS, MWO 55-1905-223-55-6

**INTERVAL • LUBRICANT**

GAA Motor Bearings (See Note 82) (C)



W/ OWS, MWO 55-1905-223-55-6

**DIRTY OIL PUMP**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
Q	0.3

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA (MIL-PRF-10924) Grease, automotive and artillery	As Required	Grease	Q-Quarterly (3 months)

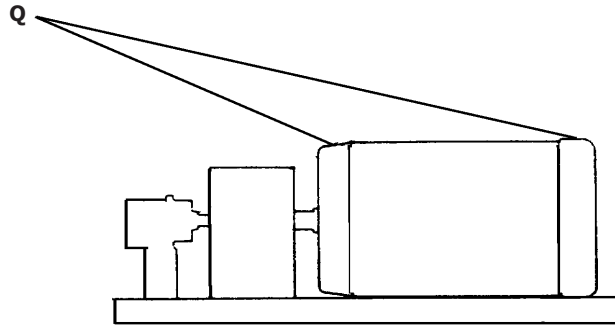
Notes:

81. Clean grease fitting. Apply 2 or 3 strokes of grease from a hand held lubrication gun. Do not overgrease. Wipe off excess.

82. Motor bearings. Remove the drain plug from each end of the motor bearing housing; removal of the fan cover is required. Attach a hand operated grease gun to one end of the motor's grease fitting. Apply 2 or 3 strokes of grease from a hand held lubrication gun. Do not overgrease. Repeat process at the other end of the motor. Wipe away excess grease from bearing housing drain holes and replace drain plugs. Wipe away excess grease on fittings. Clean grease fittings.

**LUBRICANT • INTERVAL**

Grease Fittings  
(See Note 83)  
(C)      GAA



W/ OWS, MWO 55-1905-223-55-6

**OWS PUMP**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
Q	0.3

-KEY-

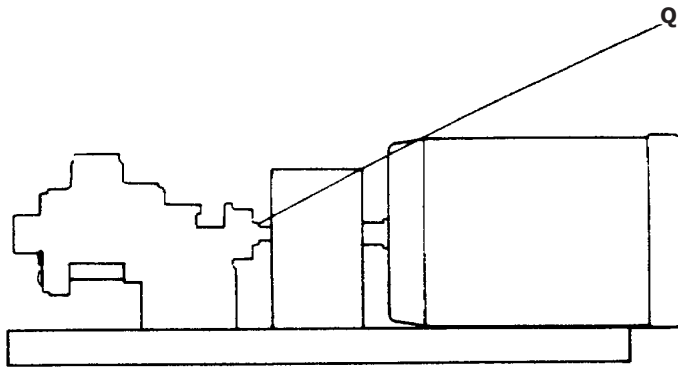
LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA (MIL-PRF-10924)      Grease, automotive and artillery	As Required	Grease	Q-Quarterly (3 months)

Notes:

83. Clean grease fitting. Apply 2 or 3 strokes of grease from a hand held lubrication gun. Do not overgrease. Wipe off excess.

**INTERVAL • LUBRICANT**

GAA      Grease Fittings  
(See Note 84)  
(C)



**FUEL OIL TRANSFER PUMPS**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
Q	0.3

-KEY-

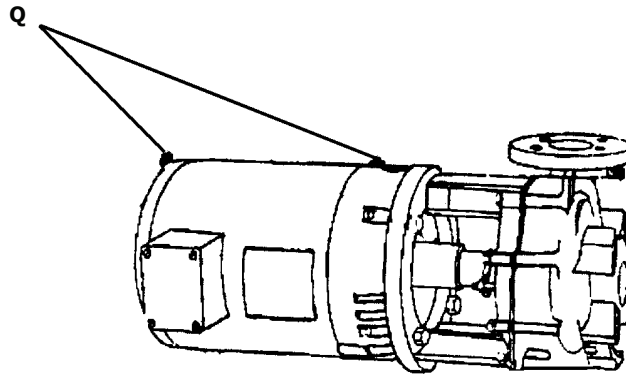
LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES	INTERVALS
		ALL TEMPERATURES	
GAA (MIL-PRF-10924)      Grease, automotive and artillery	As Required	Grease	Q-Quarterly (3 months)

Notes:

84. Clean grease fitting. Apply 2 or 3 strokes of grease from a hand held lubrication gun. Do not overgrease. Wipe off excess.

**LUBRICANT • INTERVAL**

Motor Bearing Grease Fittings (See Note 85) (C) GAA



**AUXILIARY SEAWATER PUMP**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
Q	0.3

-KEY-

LUBRICANTS		CAPACITY	EXPECTED TEMPERATURES	INTERVALS
			ALL TEMPERATURES	
GAA (MIL-PRF-10924)	Grease, automotive and artillery	As Required	Grease	Q-Quarterly (3 months)

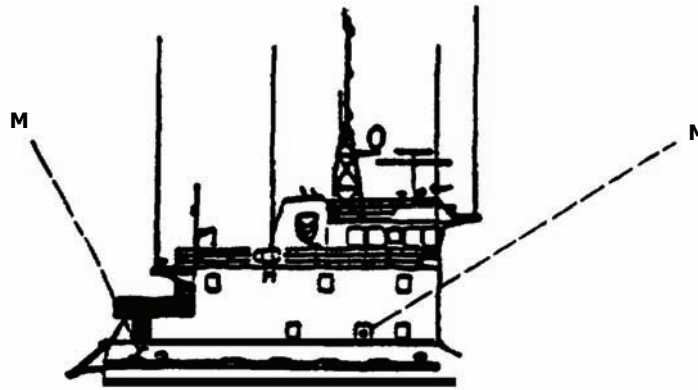
Notes:

85. Motor bearings. Remove the drain plug from each end of the motor bearing housing; removal of the fan cover is required. Attach a hand operated grease gun to one end of the motor's grease fitting. Apply grease until a small amount appears at the drain hole. Do not overgrease. Repeat process at the other end of the motor. Wipe away excess grease from bearing housing drain holes and replace drain plugs. Wipe away excess grease on fittings. Clean grease fittings.

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Watertight Hatches and Scuttles GAA  
 Lubricate Hinges, Dog Arms, and Pivot Points 5 Places  
 (See Note 86)  
 (C)



GAA Watertight Doors  
 Lubricate Hinges, Links, and Dogs 11 Places  
 (C)

**PARTIAL DECK VIEW  
 WATERTIGHT DOORS**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
M	2.0

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES		INTERVALS
		ALL TEMPERATURES		
GAA Grease, automotive (MIL-PRF-10924) and artillery	As Required	Grease		M-Monthly

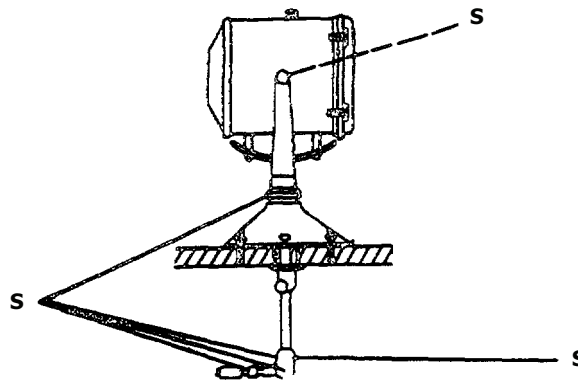
Notes:

86. Doors. Clean all paint from watertight door seals as required. Lubricate watertight door seals monthly with OE/HDO.

**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Bearings (C) GAA



GAA Trunion Bearings Grease Fittings (C)

GAA Miter Gear (C)

**SEARCHLIGHTS**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
S	0.5

-KEY-

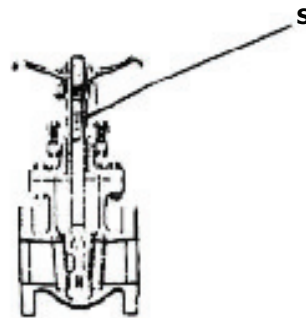
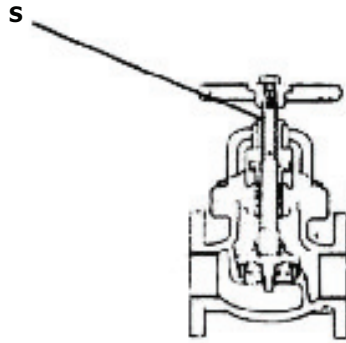
LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES		INTERVALS
		ALL TEMPERATURES		
GAA Grease, automotive (MIL-PRF-10924) and artillery	As Required	Grease		S-Semiannually (6 months)



**LUBRICANT • INTERVAL**

**INTERVAL • LUBRICANT**

Stern (C)      GAA



GAA      Stern (C)

**GLOBE VALVES**

**GATE VALVES**

TOTAL TASK-HOURS*	
INTERVAL	TASK-HOURS*
S	0.5

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES		INTERVALS
		ALL TEMPERATURES		
GAA (MIL-G-10924) Grease, automotive and artillery	As Required	Grease		S-Semiannually (6 months)

Copy of this Lubrication Order will remain with the equipment at all times. Instructions contained herein are mandatory.

By Order of the Secretary of the Army:

Official:

JOYCE E. MORROW  
Administrative Assistant to the  
Secretary of the Army

0601917

PETER J. SCHOOMAKER  
General, United States Army  
Chief of Staff

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