

LUBRICATION ORDER

(Supersedes L010-3510-209-12, 12 February 1988)

6 April 1990

**LAUNDRY UNIT, TRAILER MOUNTED  
M85 NSN 3510-01-222-9301**

**REFERENCES: TM 10-3510-209-24 and C9100-1L**

Approved for public release. Distribution is unlimited.

Intervals (on-condition or hard time) and the related man-hour times are based on normal operation. The man-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 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.

**WARNING**

Dry-cleaning solvent is flammable. Do not use near a flame or excessive heat. Use only with adequate ventilation. Avoid prolonged breathing of vapors and minimize skin contact.

Clean fittings before lubricating. Clean parts and around filler holes with dry-cleaning solvent (SD), type II or equivalent. Dry before lubricating.

Lubricate points indicated by dotted arrow shaft on both sides of equipment.

Lubricate after washing.

Normally drain gearcase when hot. Fill and check level.

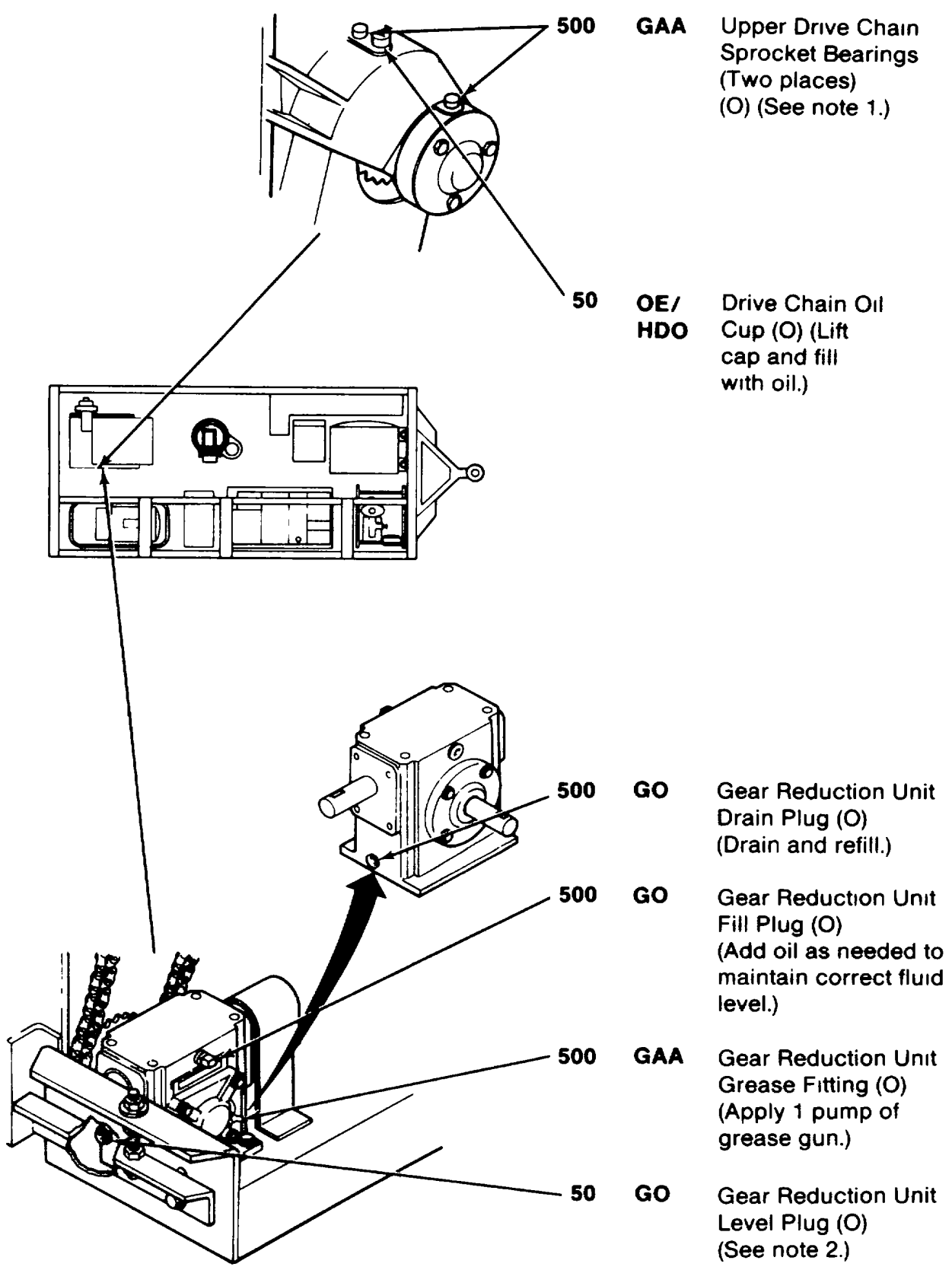
The lowest level of maintenance authorized to lubricate a point is indicated by one of the following: (C) Operator/Crew, (O) Unit Maintenance, or (F) Intermediate Direct Support Maintenance.

You can help improve this publication. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) should be mailed directly to Commander, US Army Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you.

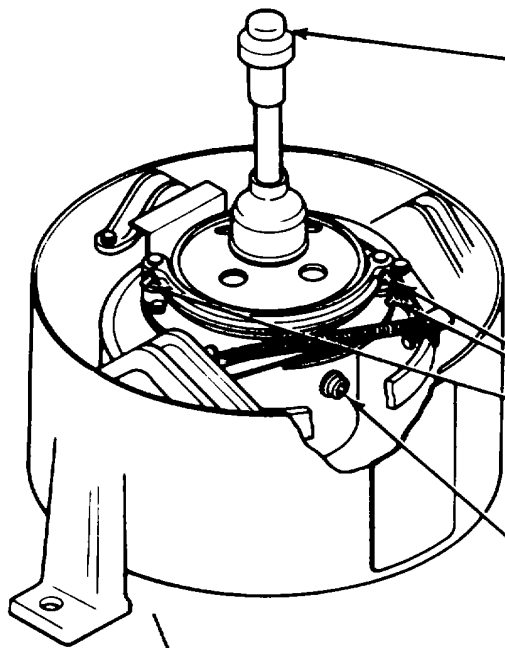
TOTAL	TASK-HR
INTERVAL	TASK-HR
50	0.5
250	10

TOTAL	TASK-HR
INTERVAL	TASK-HR
500	10
1000	0.5

**INTERVAL ● LUBRICANT**

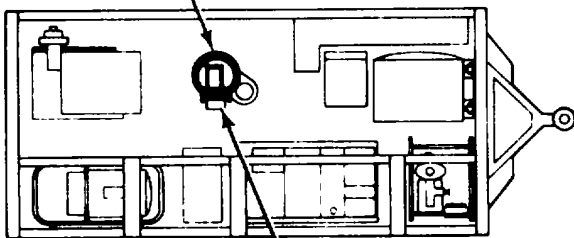


**INTERVAL ● LUBRICANT**

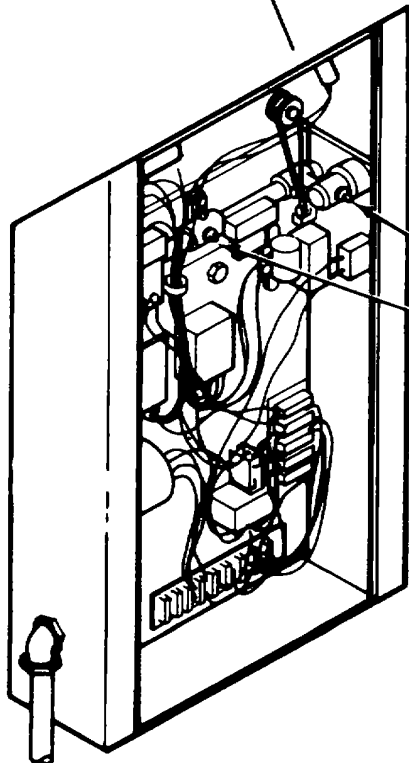


250 BR Nylon Ball Cap (O)  
(Lightly grease top of hex ball)  
(See note 3)

250 BR Extractor Brake Drum and Shoe (O)  
(3 fittings)  
(Apply 1 pump of grease gun to each fitting)

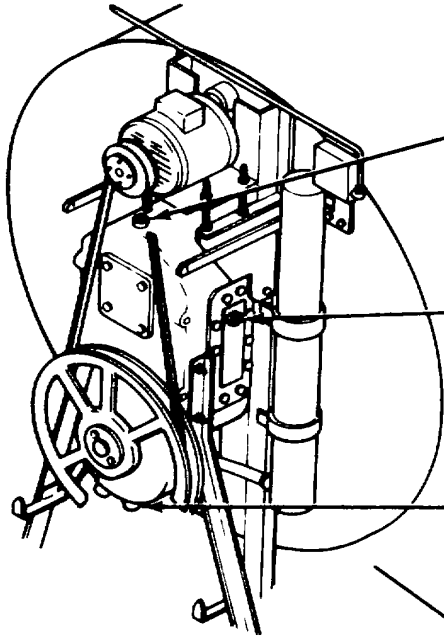


1000 0-156 Center Fluid Drive Unit (O)  
Drain Plug  
(DO NOT ADD OIL)  
(See note 4.)

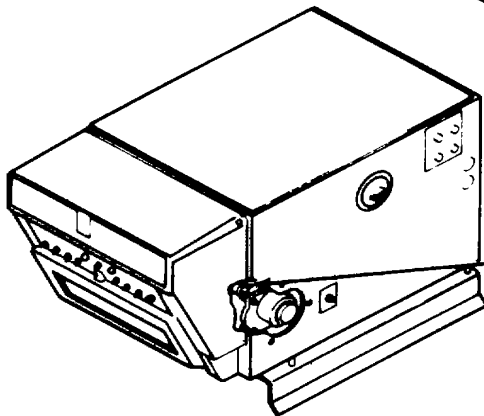
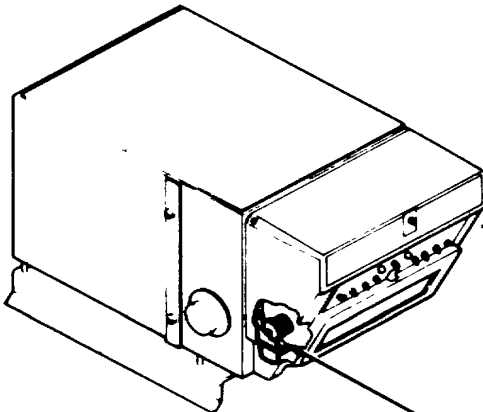
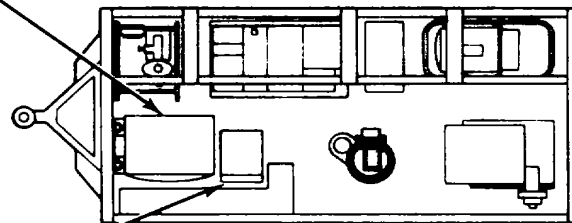


250 BR Lid Lock Lever and Lid Hinge Brake (O)  
(Apply 1 pump of grease gun to each fitting.)

**INTERVAL ● LUBRICANT**



- 500 OE/  
HDO Gear Reducer  
Fill Plug (O)  
(Add oil as  
necessary to  
maintain correct  
oil level.)
- 500 OE/  
HDO Gear Reducer  
Level Plug (O)  
(Remove plug and  
check oil level.)  
(See note 5.)
- 1000 OE/  
HDO Gear Reducer  
Drain Plug (O)  
(Drain and refill.)



- 500 LO Miltrol Clutch  
Drag Spring (O)  
(Apply 3 drops oil.)
- 1000 LO Motor Clutch  
Assembly (O)  
(Clean brass bushing  
with carbon  
tetrachloride and  
apply 3 drops oil.)

**-KEY-**

LUBRICANT	CAPACITY	EXPECTED TEMPERATURE			
		ABOVE +32°F (ABOVE 0°C)	+40°F TO 4°F (+5°C TO -20°C)	0°F TO -65°F (-18°C to -50°C)	
<b>OE/HDO</b> (MIL-L-2104C)	LUBRICATING OIL, Engine				
	Washer, Gear Reducer	<b>OE/HDO 40</b> <b>OE/HDO 50</b>	<b>OE/HDO 30</b>	<b>OEA</b>	
	Drive Chain Oil Cup				
<b>OEA</b> (MIL-L-46167)	LUBRICATING OIL, Engine (Arctic)				
<b>GO</b> (MIL-L-2105)	LUBRICATION OIL, Gear, Multipurpose	20 OZ (591CC)	<b>GO 90</b>	<b>GO 90</b>	<b>GO 80</b>
<b>GAA</b> (MIL-G-10924)	GREASE, Automotive and Artillery		<b>ALL TEMPERATURES</b>		
<b>BR</b> (MIL-G-18709)	GREASE Ball and Roller Bearing				
<b>LO</b> (VVL-820)	LUBRICATION OIL, General Purpose				
<b>0-156</b> (MIL-L-23699)	LUBRICATION OIL, Air Turbine Engine	48 OZ (1.4L)			

For arctic operation refer to FM 9-207

**INTERVALS**

Intervals given are for normal operation.

**W-Weekly**  
(50 hr)

**Q-Quarterly**  
(3 months)  
(250 hr)

**S-Semiannually**  
(6 months)  
(500 hr)

**Annually**  
(12 months)  
(1000 hr)

**NOTES:**

1. Apply grease to bearings by turning caps clockwise one-quarter turn. Fill caps with grease when empty.

**CAUTION**

A level too high may cause over- heating at high speeds, or a level too low may cause premature wear or failures at low speed.

2. Fill gear box through the filler plug hole until oil begins to run out of level hole. If level plug is difficult to observe and remove, a hole may be drilled in the mounting bracket to gain access.

3. The gyro ball cap, under the basket, should be lubricated whenever the basket fails to rock freely. If you push one side of the basket down and it fails to rock back to level, lubricate the gyro ball.

**CAUTION**

Too much oil will throw a burden on the motor and could damage it.

Too little oil will result in excessively slow acceleration or failure to reach top speed.

4. If you have lost some oil, drain all the oil out of the unit and replace with a measured amount of 48 oz.

5. Remove level plug and check oil level. Add oil to fill plug hole until oil runs out of level hole

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:**

CARL E. VUONO  
General United States Army  
Chief of Staff

Official:

WILLIAM J. MEEHAN, II  
Brigadier General United States Army  
The Adjutant General

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