

LUBRICATION ORDER

LO 5-3895-272-12

30 DECEMBER 83

(Supersedes LO 5-3895-272-12-1, and -2, 18 JANUARY 1968)

**ROLLER, MOTORIZED, GASOLINE ENGINE DRIVEN,
2-WHEEL, 5-8-TON W/SPRINKLER
(HUBER MODEL T58M) (NSN 3985-00-842-5326)**

Reference: TM 5-3895-272-12 and FEDERAL SUPPLY CATALOG C9100-IL.

Hard time intervals 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. 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.

WARNING

Dry cleaning fluid 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 parts or fittings with dry cleaning solvent (SD), Type II or equivalent. Dry before lubricating. Dotted arrow shafts indicate lubrication on both sides of equipment. A dotted circle indicates a drain below. Relubricate all items found contaminated after fording or washing.

The lowest level of maintenance authorized to lubricate a point is indicated by one of the following symbols as appropriate: Operator/Crew (C); and Organizational Maintenance (O).

Reporting errors and recommending improvements. You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Tank-Automotive Command, ATTN: DRSTA-MB, Warren, MI 48090. A reply will be furnished to you.

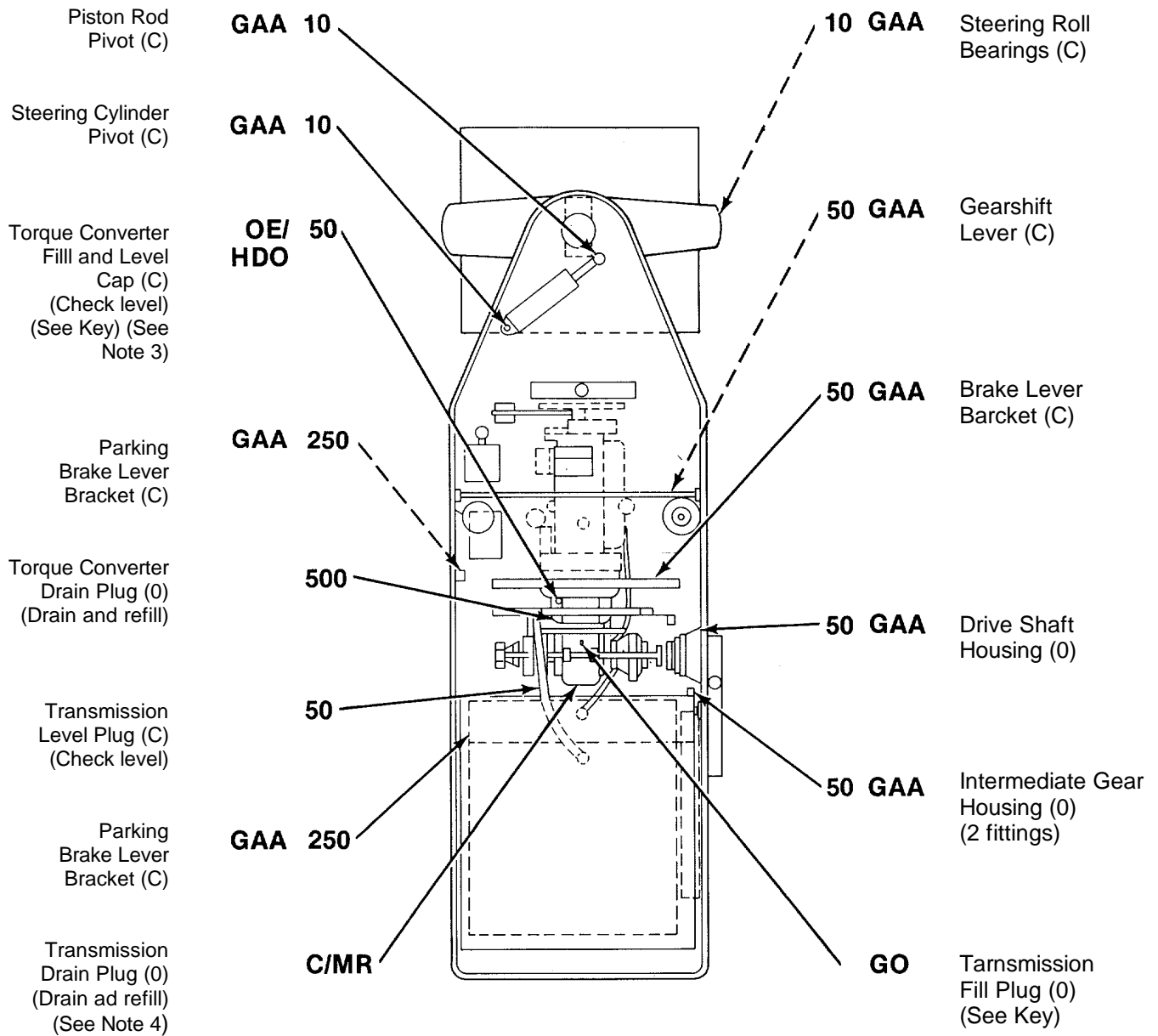
★The time specified is the time required to perform all services at the particular interval.

★TOTAL MAN-HOURS		★TOTAL MAN-HOURS	
INTERVAL	MAN-HOURS	INTERVAL	MAN-HOURS
10	1.5	250	0.3
50	1.8	500	1.5
100	0.7	1000	0.1

TA 220130

LUBRIANT • INTERVAL

INTERVAL • LUBRICANT



TA 220131

LUBRIANT • INTERVAL

INTERVAL • LUBRICANT

Yoke Pivot Bearings (O)

3AA 50

Hydraulic Oil Tank Fill Cap (O)
(See Key)

OE/
IDO

Hydraulic Oil Tank Level Plug (C)
(Check level)

10

Hydraulic Oil Tank Drain Plug (O)
(Drain and Refill)
(See Note 5)

500

500

Hydraulic Filter (O)
(Replacement elements)
(See note 6)

3AA 50

3AA 10

Sprinkling Levers (O)
(4 fittings)

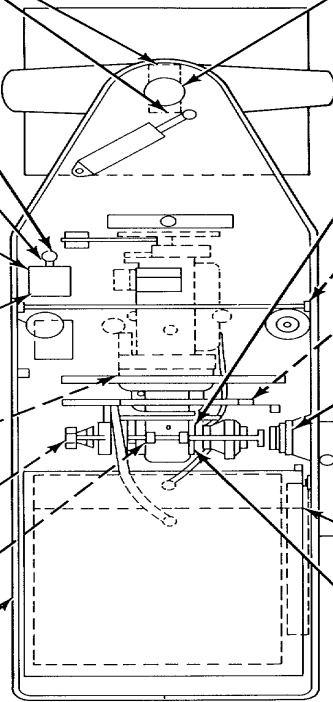
3AA 10

3AA 10

Clutch Release Bearing (O)

Clutch Shifter Shaft Bracket (O)

Drive Roll Bearing (O)



50 GAA

10 GAA

50 GAA

50 GAA

250 GAA

50 CW

50 CW

50 GAA

Kingpin Housing (O)
(2 fittings)

Clutch Shifter Lever (O)

Control Shaft Bracket (O)

Brake Pedal Bracket (O)

Universal Joint (O)
(2 fittings)

Intermediate Gear and Pinion (O)

Bull Gear and Pinion (O)

Parking Brake Bracket (O)

TA 220132

LUBRICANT INTERVAL

INTERVAL LUBRICANT

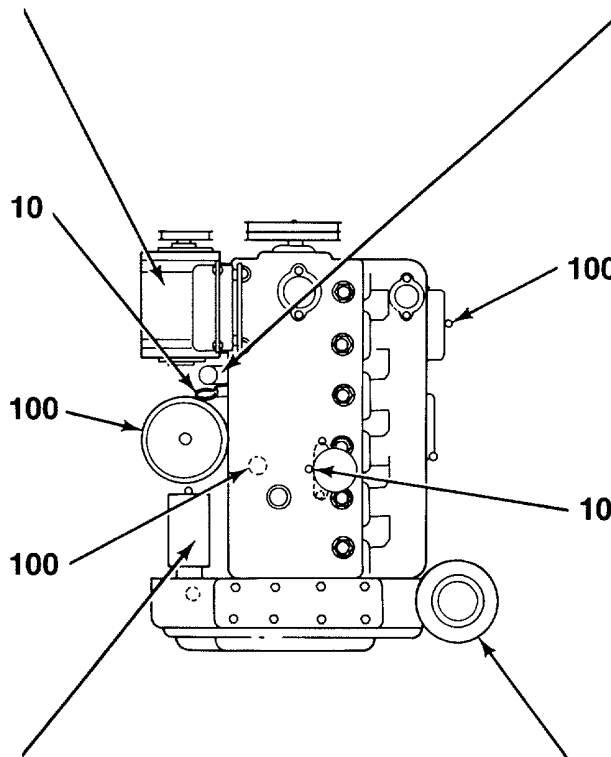
Generator
(Sealed bearings,
no lubrication
required)

Crankcase Level
Gage (C)
(Check level)
(See note 7)

Oil Filter (O)
(Change element)
(See Note 9)

Crankcase Drain
Plug (O)
(Drain and refill)
(See Note 8)

Starter
(Sealed bearings,
no lubrications
required)



OE/
HDO

Crankcase Fill
Cap (O)
(See Key)

1000 OE/
HDO

Magneto Wick (O)
(Lubricate sparingly)

100 OE/
HDO

Air Cleaner (O)
(Service) (See key and
note 10)

10 OE/
HDO

ENGINE

TA 220133

-KEY-

LUBRICANTS	CAPACITY	EXPECTED TEMPERATURES			INTERVALS
		Above + 15°F (Above - 90C)	+ 40* to-15°F (+4°to-26°C)	+ 40° to -65°F (+4°to-54°C)	
OE/ -Lubricating HDO -Oil Internal Combustion Engine, Tactical Service OEA -Lubricating Oil, Internal Combustion, Arctic -Oil Can Points (See Note 2) -Crankcase	6 qts (5.7)	OE/HDO 30	OE/HDO 10	OEA (See Note 1)	F o r A r c t i c o p e r a t i o n s r e f e r t o F M 9 - 2 7
-Torque Converter -Hydraulic Tank -Air Cleaner	9-1/2 qts. (9L) 26 QTS (24.6 L) 1 QT. (0.9L)				
GO - Lubricating Oil, Gear, Multipurpose Transmission	9 qts (8.5L)	GO 80W/90	GO 80W/90		
CW - Lubricating Oil; Chain Wire Rope, Exposed Gear		CW-11B	CW-11A	CW-11A	
GAA - Grease, Automotive and Artillery		ALL TEMPERATURES			

*See Note 11 for lubricant specification number.

NOTES:

- FOR OPERATION OF EQUIPMENT IN PROTRACTED COLD TEMPERATURES BELOW -15°F (-26 °C). Remove lubricants prescribed in Key for temperatures above -15°F (-26 °C). Relubricate with lubricants specified in Key for temperatures below -15°F (-26 °C). If OEA lubricant is required to meet the temperature ranges prescribed in the Key, OEA lubricant is to be used in place of OE/HDO-10 lubricant for all temperature ranges where OE/HDO-10 is specified in the Key.
- OIL CAN POINTS. Each 50 hours lubricate yoke pins, ball and socket joints, pivot pins, door hinges and fasteners, control linkages, and all exposed adjusting threads with OE/HDO.

TA 220134

NOTES- CONTINUED:

3. TORQUE CONVERTER. Each 50 hours, check level with dipstick. Check level with engine stopped. Change oil each 500 hours. After refill, operate for 5 minutes, check for leaks and bring to "FULL" mark
4. TRANSMISSION. Each 50 hours check level. Maintain level to plug. Change gear lubricant only when required by maintenance repair action, or contamination by water or other foreign material. After refill, operate for 5 minutes, check for leaks and bring oil to "FULL" mark.
5. HYDRAULIC OIL TANK. Each 10 hours check level. Maintain level to plug. Each 500 hours change oil
6. HYDRAULIC OIL FILTER. Each 500 hours, remove element, clean filter shell and install new element. After replacement, operate hydraulic system for 5 minutes, check for leaks, check level and bring oil to "FULL" mark.
7. ENGINE OIL LEVEL HOT OR COLD CHECK. Cold engine, oil level should be at high mark on dipstick. Hot engine, oil level must be between high and low marks on dipstick (allow to set 5 minutes before checking). Check oil level each 10 hours. Check more often when OEA is used.
8. ENGINE. Oil is to be changed each 100 hours. Drain when lubricant is warm.
9. ENGINE OIL FILTER. Each 100 hours, remove filter element, clean housing and install new filter element. After installing new filter element, fill crankcase, operate engine for 5 minutes, check housing for leaks, check crankcase oil level and bring to "FU LL" mark.
10. AIR CLEANER. Each 10 hours, refill reservoir to level mark. Each 50 hours disassemble entire unit, clean, re-oil and assemble.
11. LUBRICANTS. The following is a list of lubricants with military symbols and applicable specification numbers.

OE/HDO	MIL-L-2104
GO	MIL-L-2105
GAA	M 1 L-G-
OEA	10924
CW	MIL-L-46167
(SD), Type II	VV-L-751
	P-D-680

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:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

OFFICIAL:

ROBERT M JOYCE
Major General, United States Army
The Adjutant General

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AND WHAT SHOULD BE DONE ABOUT IT.

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