

LUBRICATION ORDER

LO 9-2320-218-12

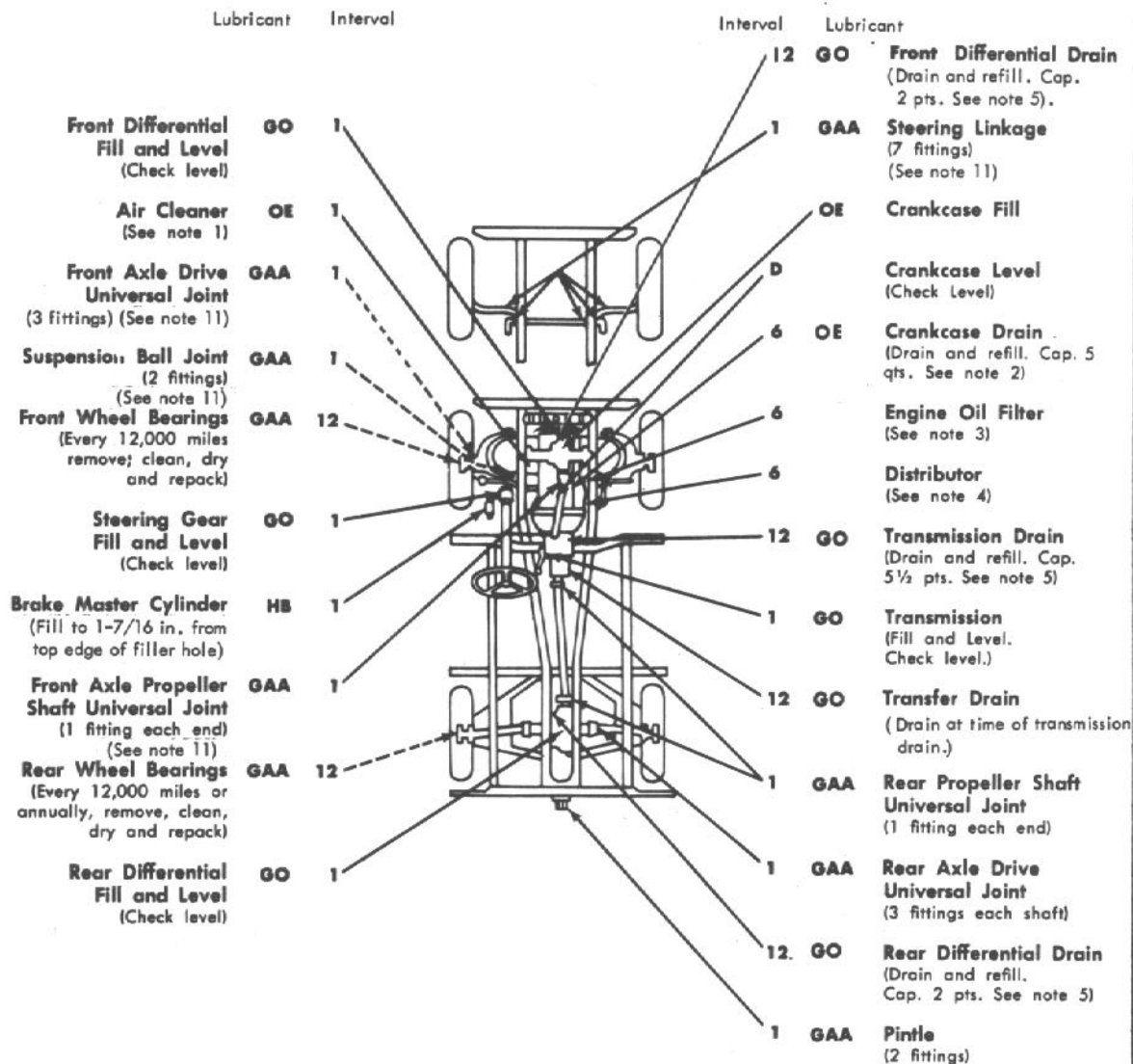
14 NOVEMBER 1966 (Supersedes LO 9-2320-218-12, 18 February 1966)

TRUCK, UTILITY: 1/4-TON, 4x4, M151, M151A1 AND M151A1C
TRUCK, AMBULANCE: FRONTLINE, 1/4-TON, 4x4, M718

Reference. TM 9-2320-218-1U

Lubrication will be performed only as prescribed by this order except as required under unusual conditions as described in referenced TM.

Clean fittings before lubricating. Clean parts with THINNER, paint, volatile mineral spirits (TMP) or SOLVENT, dry cleaning (SD). Dry before lubricating. Lubricate dotted arrow points on both sides of the equipment.



— KEY —

LUBRICANTS	EXPECTED TEMPERATURE			FOR ARCTIC OPERATION Refer to TM 9-207	LUBRICANTS	INTERVALS See Note 6
	above +32°F	+40°F to -10°F	0°F to -65°F			
OE—OIL LUBR, ENGINE	OE 30	OE 10	OES		OES—OIL, LUBR, ENGINE, SUB-ZERO	D—Daily (Operator) 1—1,000 Miles 6—6,000 Miles or 6 months* 12—12,000 Miles or annually* *Whichever Occurs first
GO—LUBRICANT, GEAR, UNIVERSAL	GO 90	GO 75	GOS		GOS—LUBRICANT, GEAR, UNIVERSAL, SUB-ZERO	
GAA—GREASE, LUBR, AUTOMOTIVE AND ARTILLERY	GAA	GAA	GAA		HBA—FLUID, HYDRAULIC, BRAKE, ARCTIC	
HB—FLUID, HYDRAULIC, BRAKE	HB	HB	HBA		CW—LUBR, CHAIN, EXPOSED GEAR AND WIRE ROPE	

— NOTES —

1. AIR CLEANER

Every 1,000 miles, clean oil reservoir and refill with OE crankcase grade. Disassemble, clean all parts, refill with OE as above whenever crankcase oil is changed. For desert, or extremely dusty conditions, disassemble, clean all parts and refill with OE once every operating day or more frequently if required.

2. CRANKCASE

Drain every 6,000 miles or semi-annually. Drain only when engine is hot. Refill to FULL MARK on gage. Run engine a few minutes and check oil level. Under adverse conditions it may become necessary to drain the crankcase oil more frequently.

3. OIL FILTER

Every 6,000 miles or semi-annually, while draining crankcase, remove oil filter assembly and discard. Install new oil filter assembly.

4. DISTRIBUTOR

Every 6,000 miles or semi-annually, remove cover assembly and rotor. Saturate felt at rotor end of shaft with 2 to 3 drops of PL. Wipe breaker cam sparingly with GAA and lubricate breaker arm pivot with 1 or 2 drops of PL. Remove slotted plug under nameplate on distributor housing and withdraw wick. Soak wick in PL. Fill plug opening with GAA. Insert wick, remove excess grease and install plug.

5. GEARCASES

Drain every 12,000 miles or annually. Drain only when hot after operation. Fill to plug level before operation and after draining. Clean vents especially after an operation in water or mud.

6. LUBRICATION INTERVALS

When practicable, Lubrication Service will be made to coincide with the vehicle "S" P.M. Service. For this purpose a 10% tolerance (variation) in specified lubrication point mileage is permissible.

7. OIL CAN POINTS

Every 1,000 miles lubricate all doors and compartment hinges, latches, hood catches, throttle bellcrank, carburetor linkage, seat adjusting screw, spare tire wing nut, accelerator pedal pivot pin, seat retaining pins and rear seat pivot pins and vehicle lifting eyes with PL.

8. DO NOT LUBRICATE

Shock absorber bushings, support arm pivots.

9. LUBRICATE AT TIME OF ASSEMBLY BY ORDNANCE PERSONNEL

Ventilator valve assembly, generator assembly, starter assembly and speedometer cable assembly.

10. BRAKE FLUID

Use hydraulic brake fluid (HB) non-petroleum base only. Use of hydraulic brake fluid petroleum base renders brakes inoperative.

11. SPECIAL INSTRUCTIONS

Special stress should be made to lubricate each propeller shaft bearing and suspension ball joint until clean lubricant comes through the seals.

Copy of this lubrication order will remain with the vehicle at all times. Instructions contained herein are mandatory and supersede all conflicting lubrication instructions dated prior to the date of this lubrication order.

By Order of the Secretary of the Army:

HAROLD K. JOHNSON,
General, United States Army,
Chief of Staff.

Official:

KENNETH G. WICKHAM
Major General, United States Army,
The Adjutant General.

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