

# LUBRICATION ORDER

# LO 9-2320-246-12

28 JUNE 1968

## TRUCK, PLATFORM UTILITY: 1/2-TON, 4x4, M274A2, M274A3, M274A4 AND M274A5

References: TM 9-2320-246-10, TM 9-2320-246-20, TM 5-2805-213-14, LO 5-2805-213-14

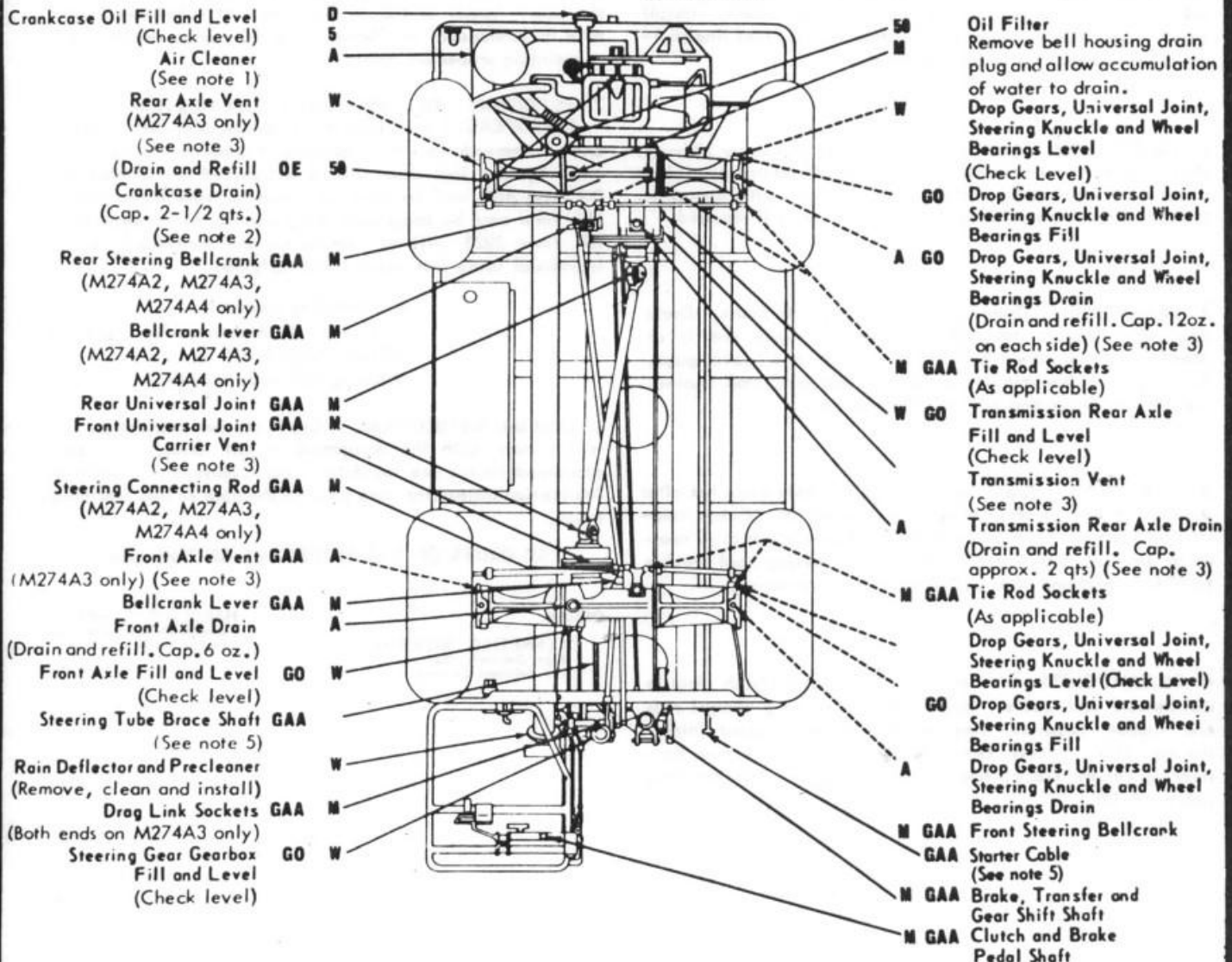
Lubrication will be performed only as prescribed by this order except as required under unusual conditions as described in referenced technical manuals.

Clean fittings before lubricating. Clean parts with THINNER, PAINT MINERAL SPIRITS (TPM) or DRYCLEANING SOLVENT (SD). Dry before lubricating. Lubricate dotted arrow points on both sides of equipment.

### LUBRICANT • INTERVAL

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**OIL FILTER** - Every 50 hours while crankcase is being drained, remove element; clean inside of filter case and install new element.



## KEY

LUBRICANTS	EXPECTED TEMPERATURES			FOR ARCTIC OPERATION Refer to TM 9-207	LUBRICANTS	INTERVALS
	above +32 F	+40 F to -10 F	0 F to -65 F			
OE— Lubricating oil, internal combustion engine, transmission	OE 30	OE 10	OE5		OE5— Lubricating oil, internal combustion engine	D— Daily W— Weekly M— Monthly A— Annually or 2d semiannual (S) P. M. service whichever occurs first H— 5 Hours SH— 50 Hours
EO— Lubricating oil, gear	EO 90	EO 80	EO5		EO5— Lubricating oil, gear	
GAA— Grease, automotive and artillery	GAA	GAA	GAA			

## NOTES

**CAUTION:** Before turning vehicle on its side or back to be lubricated, close crankcase breather valves, fuel line shut-off valve, and close filler cap vent valve. On engines equipped with a fuel primer pump, close primer line shut-off valve. After lubrication return vehicle to normal position and remove spark plugs. Crank engine several times in order to expel any oil that may have accumulated in engine cylinders. Install spark plugs. Open crankcase breather valves, fuel line shut-off valve, and fuel filler cap vent valve.

**1. AIR CLEANER** - Replace air cleaner element every 50 hours. Daily inspect and remove all dust and dirt particles from air cleaner using a clean dry cloth. For desert or extremely dusty operation, replace element every 16 hours or more frequently if required.

**2. CRANKCASE** - Drain crankcase every 50 hours. Drain only after engine has been running previously and is at operating temperature. Refill to FULL mark on oil level gage. Run engine a few minutes to fill oil passages, stop engine, recheck oil level and add oil if necessary.

**3. GEARCASES** - Drain annually. Drain only when hot after operation. Fill to level plug before operation. Clean transmission vent and front axle carrier vent weekly and after operation in mud and water. Clean axle housing vent weekly (M274A3 only) and after operation in mud and water.

**4. OILCAN POINTS**- Weekly, lubricate brake clutch throttle disconnects and cables, hand throttle, shifting control rods and support brackets, steering locking and sector joints, storage clips, access cover locks, clamp screw tow bar, steering column brace, tow bar bellcrank, and tow bar drag link with OE.

**5. LUBRICATED AT TIME OF DISASSEMBLY BY MAINTENANCE PERSONNEL** - Steering tube inner brace shaft. Starter cable.

**6. TRANSMISSION** - New transmissions are delivered with preservative engine oil, PE-1. Except for the preservative additive in PE-1, it is the same oil as EO-10. Use PE-1 in the same manner as EO-10 with the first scheduled 2,000-mile or semiannual oil change. OE-10 may be added to PE-1 to maintain proper oil level.

**7. REPORTING OF EQUIPMENT LUBRICATION ORDER IMPROVEMENT** - The direct reporting of errors, omissions, and recommendations for improving this equipment lubrication order by the individual user is authorized and encouraged. DA Form 2028 will be used for reporting these improvements. This form may be completed using pencil, pen or typewriter. DA Form 2028 will be completed and forwarded, by the individual using this manual, directly to:

Commanding General  
 U. S. Army Tank-Automotive Command  
 ATTN: AMSTA-TP  
 Warren, Michigan 48090

**8. SPECIAL INSTRUCTIONS** - Copy of the lubrication order will remain with the equipment at all times. Instructions contained herein are mandatory and supersede all conflicting lubrication instruction data prior to the date of this lubrication order.

**BY ORDER OF THE SECRETARY OF THE ARMY:**

Official:

KENNETH G. WICKHAM,  
*Major General, USA,  
 The Adjutant General.*

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

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