



WAR DEPARTMENT LUBRICATION ORDER LO 9-810

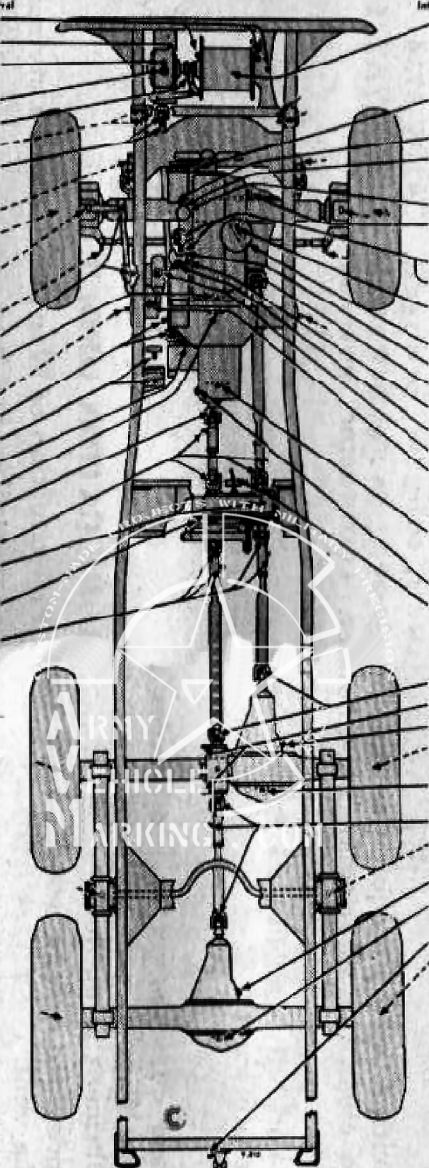
28 FEBRUARY 1945 (Supersedes WDLO No. 522, 20 January 1944)



TRUCK, 1½-TON, 6x6 (DODGE)

References: ORD 7 SNL G-50; TM 9-810

- KK, FIG. 32 Winch Drum and Shaft Bearings CG 1
- JJ, FIG. 32 Winch Worm Housing Level Check level W
- JJ, FIG. 32 Winch Worm Housing Drain 6
- JJ, FIG. 32 Winch Worm Housing Fill GO
- II, FIG. 32 Winch Clutch Clean and oil OE W
- HH, FIG. 31 Spring Shackles CG 1
- GG, FIG. 31 Winch Univ. Joint and Drive Shaft Yoke CG 1
- FF, FIG. 31 Shock Absorber SAL 4
- Q, FIG. 28 Wheel Bearings WB 6
- DD, FIG. 31 Univ. Joint and Steering Knuckle Brgs. (See Note) CG 1
- EE, FIG. 31 Tie Rod CG 1
- CC, FIG. 30 Drag Link CG 1
- BB, FIG. 30 Crankcase Drain 2
- AA, FIG. 30 Spring Bolt CG 1
- Z, FIG. 30 Winch Universal and Slip Joints CG 1
- Y, FIG. 30 Clutch and Brake Pedals CG 1
- X, FIG. 30 Clutch Release Fork Bushing (wick) OE 1
- W, FIG. 29 Clutch Pilot Bearing (See Note) WB
- V, FIG. 29 Universal Joint (Reached through cover in cab floor) CG 1
- R, FIG. 29 Universal and Slip Joints CG 1
- U, FIG. 29 Transfer Case Drain Drain and refill 6
- U, FIG. 29 Transfer Case Fill and Level GO W
- R, FIG. 29 Universal and Slip Joints CG 1



- W OE Winch Cable (See Note) A, FIG. 26
- Serviced From Under Hood**
- I WP Water Pump (Some models) (Grease cup) B, FIG. 26
- I OE Generator 4 to 8 drops (Some models) C, FIG. 26
- W OE Crankcase Breather Air D, FIG. 26
- OE Crankcase Cleaner Clean and refill (See Note)
- OE Crankcase Fill D, FIG. 26
- 6 Differential Drain Drain and refill Cap. 1 qt. (See Gear Case Note) E, FIG. 26
- 6 Distributor (See Note) F, FIG. 26
- I OE Distributor Shaft F, FIG. 26
- W GO Differential Fill and Level Check level (Reached from under truck) E, FIG. 26
- D OE Air Cleaner Check level (See Note) G, FIG. 27
- I Oil Filter Drain sediment (See Note) H, FIG. 27
- I CG Universal Joint (Reached from under truck) J, FIG. 27
- D Crankcase Level Check level I, FIG. 27
- 6 OE Starter K, FIG. 27
- I GO Steering Gear L, FIG. 28
- I HB Brake Master Cylinder Fill to ¼ in. from top M, FIG. 28

- 6 Transmission Drain Drain and refill Cap. 2½ qt. with Prev-Tate-Oil, 3½ qt. (See Gear Case Note) N, FIG. 28
- W GO Transmission Fill and Level Check level N, FIG. 28
- 6 CG Speedometer Cable Remove core, clean and coat lightly with No. 9 O, FIG. 28
- I CG Universal Joints J, FIG. 27
- I CG Pillow Block P, FIG. 28
- W GO Differential Fill and Level Check level E, FIG. 26
- 6 WB Wheel Bearings Remove, clean and repack Q, FIG. 28
- 6 Differential Drain Drain and refill Cap. 3 qt. (See Gear Case Note) E, FIG. 26
- I CG Universal and Slip Joints R, FIG. 29
- I CG Spring Trunnion Bearings (Reached from under truck) S, FIG. 29
- W GO Differential Fill and Level Check level E, FIG. 26
- 6 Differential Drain Drain and refill Cap. 3 qt. (See Gear Case Note) E, FIG. 26
- I CG Pintle Hook T, FIG. 29
- 6 WB Wheel Bearings Remove, clean and repack Q, FIG. 28

NOTES—FITTINGS—Clean before lubricating. Lubricate after washing.

CLEANING—Clean parts with SOLVENT, dry cleaning or OIL fust, Diesel. Dry before lubricating.

INTERVALS—Reduce under severe conditions. Extend when not in use.

DOTTED ARROWS—Lubricate on both sides. Opposite points are shown by short arrows.

AIR CLEANERS—Fill to head level. Every 1,000 miles, remove engine air cleaner, wash all parts and refill. Used crankcase oil or OE above 0°F. or OE (SAE 10) below 0°F. will be used in both air cleaners.

CLUTCH PILOT BEARING—When clutch is disassembled, wipe bushing in crankshaft and coat with WB. Also pack ½ ounce of WB in back of bushing.

CRANKCASE—Drain only when engine is hot. After refilling, run engine a few minutes, recheck level.

CRANKCASE BELOW 0°F.—If heated storage, winterization kit or heater are available or oil can be drained after operation, use OE (SAE 10) undiluted. Otherwise, dilute as follows: Add OE (SAE 10) to FULL mark. Then add 1½ qt. gasoline. Run engine 5 to 10 minutes. Mark new higher level on dipstick with file. CAUTION: Check level every 4 hours of operation, add OE (SAE 10) to regular FULL mark as required. After operation, check level. If level is below regular FULL mark, add OE (SAE 10) to regular FULL mark. Then add gasoline to new higher level mark. If level is at or above regular FULL mark, add gasoline to new higher level mark. Run engine 5 to 10 minutes to mix oil and diluent.

DISTRIBUTOR—Every 6,000 miles, wipe distributor breaker cam lightly with CG and lubricate breaker arm pivot and wick under rotor with 1 to 2 drops of OE.

GEAR CASES—Drain only after operation. Fill to plug levels before operation and after draining.

OIL FILTER—Every 6,000 miles, while crankcase is being drained, remove element, clean inside of case and install new element.

UNIVERSAL JOINTS (Front Wheels)—Remove plug at bottom of axle housing, and lubricate through fitting at top of steering knuckle until lubricant shows at plug hole. Replace plug. Every 6,000 miles, remove, clean and repack each joint with 1 pound of CG before reassembling.

WINCH CABLE—After each use, clean and oil with used crankcase oil or OE. Weekly, if cable has not been used, coat outer coils. Monthly, unwind entire cable, clean and oil.

OIL CAN POINTS—Every 1,000 miles, lubricate Transfer Case Shift, Hand Brake Control, Foot Pedal Linkage, Winch Control Linkage, Hood and Windshield Hinges and Locks, with OE. CAUTION: Do not oil Throttle Control Linkage. Also coat Door Latches, Hinges, Wedges, Checks and Striker Plates with CG.

DO NOT LUBRICATE—Clutch Release Bearing, Shock Absorber Link Bushings, Generator Bearings (Some models), Chassis Springs.

DISASSEMBLE PERIODICALLY BY ORDNANCE PERSONNEL—Distributor Governor. (Refer to TM 9-810.)

Copy of this Lubrication Order will remain with the equipment at all times; instructions contained therein are mandatory and supersede all conflicting lubrication instructions dated prior to 28 February 1945.

[A.G. 900.8 (28 February 1945)]
 BY ORDER OF THE SECRETARY OF WAR:
 OFFICIAL:
 J. A. ULIO,
 Major General,
 The Adjutant General.
 G. C. MARSHALL,
 Chief of Staff.

KEY	LUBRICANTS	LOWEST ANTICIPATED AIR TEMPERATURE			LUBRICANTS	INTERVALS
		above +32°F.	+32°F. to 0°F.	below 0°F.		
—	OE—OIL, engine	SAE 30	SAE 10	PS	WB—GREASE, general purpose, No. 2 WP—GREASE, water pump HB—FLUID, hydraulic brake SAL—FLUID, shock-absorber, light PS—OIL, lubricating, preservative, special	D—Daily W—Weekly 1—1,000 miles 2—2,000 miles 6—6,000 miles
	Crankcase	SAE 30	SAE 10	PS		
	Other Points	SAE 30	SAE 10	PS		
—	GO—LUBRICANT, gear, universal	Grade 90	Grade 90	Grade 75		
	CG—GREASE, general purpose	No. 1	No. 0	No. 0		



Requires additional Lubrication Orders in conformance with instructions and lists in FM 21-4.

