

19 July 1984

LUBRICATION ORDER

(Supersedes LO 5-3810-288-12-1, -2, -3, and -4, 28 September 1969, and -5 and -6, 28 February 1970)

**CRANE SHOVEL, TRUCK MTD, 20-TON, 314 CU YD,
GED, 6 x 6 (HARNISCHFEGER MODEL M320T)
(NSN 3810-00-861-8088)**

Reference: TM 5-3810-288-12, AND FEDERAL SUPPLY CATALOG C9100-IL.

Hard time intervals and the related manhour 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.

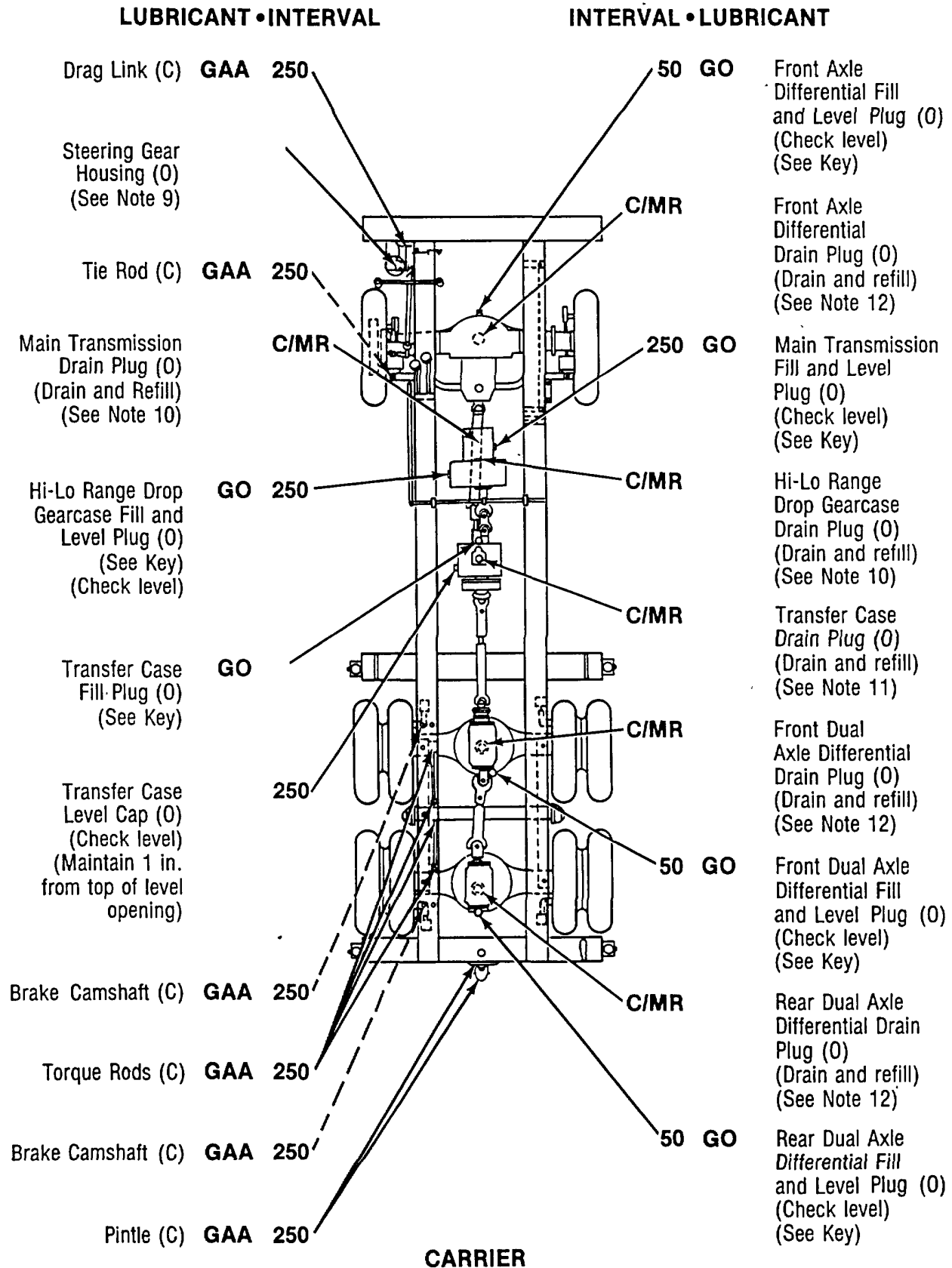
*TOTAL MAN-HOURS		*TOTAL MAN-HOURS	
INTERVAL	MAN-HOURS	INTERVAL	MAN-HOURS
5	1.0	100	1.2
10	2.5	250	2.8
50	2.8	500	0.6
		1000	3.0

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LUBRICANT • INTERVAL			INTERVAL • LUBRICANT		
Clutch Lever Shaft (C)	GAA	50	250	GAA	Drag Link (C)
Brake Camshaft (C)	GAA	250	250	GAA	Spring Hanger Bolt (C)
Steering Trunnion Bearings (C)	GAA	250	1000	GAA	Front Wheel Bearings (O) (See Note 8)
Transfer Shift Levers (C)	GAA	50	250	GAA	Torsion Bar Brackets (C)
Propeller Shaft Universal Joints (C)	GAA	250	250	GAA	Spring Hanger Bolts (C)
Seat (C) (9 fittings)	GAA	250	250	GAA	Propeller Shaft Slip Yoke (C)
Transfer Shift Levers (C) (Upper and lower) (2 fittings)	GAA	250	250	GAA	Propeller Shaft Universal Joints (C)
Propeller Shaft Slip Yoke (C)	GAA	250	250	GAA	Propeller Shaft Slip Yoke (C)
Outrigger Bearing (O)	GAA	50	50	GAA	Outrigger Screw (C)
Propeller Shaft Universal Joints (C)	GAA	250	1000	GAA	Rear Wheel Bearings (O) (See Note 8)
Equalizer Beam Ball Socket (C)	GAA	250	250	GAA	Propeller Shaft Universal Joints (C)
Equalizer Beam Center Sleeve (C)	GAA	250	1000	GAA	Rear Wheel Bearings (O) (See Note 8)
Propeller Shaft Slip Yoke (C)	GAA	250	50	GAA	Outrigger Screw (C)
Equalizer Beam Ball Socket (C)	GAA	250	50	GAA	Outrigger Roller (C)

CARRIER

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