

**DRILL, PNEUMATIC, DRIFTER: BOOM-TYPE;
CRAWLER-MOUNTED, SELF-PROPELLED
JOY MODEL RAM-MS-5/450A DR
NSN 3820-00-445-3766**

References TM 5-3820-241-12, FM 9-207, and C9100-1L

REPORTING OF ERRORS

You can improve this publication by calling attention to errors and by recommending improvements and by stating your reasons for the recommendation. Your letter or DA Form 2028, Recommended Changes to Publications and Forms, should be mailed directly Commander, U.S. Army Tank-Automotive Command, ATTN AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished directly to you.

NOTES

This LO is for crew (C) or unit (O) maintenance. Lube intervals (on-condition or hard time) are based on normal operation. Lube more during constant use, and less during inactive periods. Use correct grade of lubricant for seasonal temperature expected.

On the pictures, a dashed line (-----) means Lube points on both sides.

This drill is not enrolled in the Army Oil Analysis Program. HARDTIME INTERVALS APPLY.

WARNING

Dry cleaning solvent P-D-680 is toxic and flammable. Wear protective gloves and use in a well ventilated area. Avoid contact with skin, eyes, and clothes and do not breathe vapors. Do not use near open flame or excessive heat. The flash point is 100-138 degrees F (38-50 degrees C). If you become dizzy while using cleaning solvent, get fresh air immediately and get medical aid. If contact with eyes is made, wash your eyes with water and get medical aid immediately.

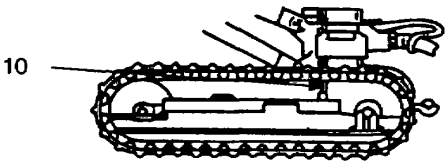
Clean parts or fittings with dry cleaning solvent (SD), Type II or equivalent. Dry before lubricating. Re-lubricate all items found contaminated after fording or washing.

If your crawler is equipped with the retrofit kit, see Card 8. Card 8 contains the only lubrication authorized for the retrofit kit. The Instructions on Card 9 superseded all other lubrication instructions for the feed-shell assembly. To determine if your crawler is equipped with the retrofit kit, check the part number stamped on the gearbox mounting plate. If the part number is "20010," your unit is equipped with the retrofit kit.

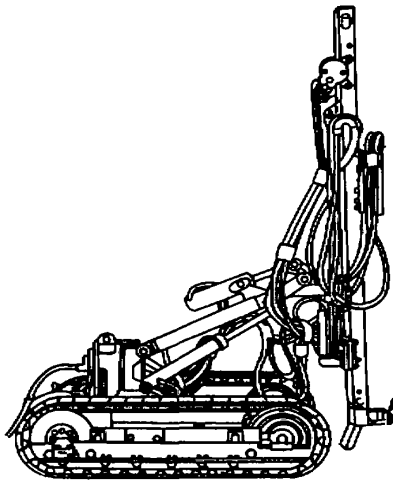
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LUBRICANT INTERVAL INTERVAL LUBRICANT

Drill Engine
Oil Tank (O)
(Notes 5 and 6)

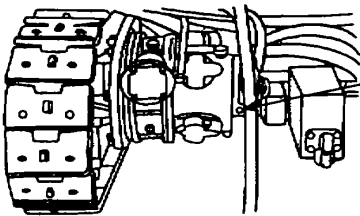


LEFT SIDE



GAA Centralizer (O)
(2 fittings)

RIGHT SIDE



Tram Motor Level
Petcock (O)
(Check level)

TRANSMISSION AND TRAM MOTOR

Figure 1. Lubrication performed at 10-hour intervals