

16 September 1986 (Supersedes LO 9-1015-221-10, 5 July 1974)

**RIFLE, RECOILLESS, 106-MM: M40A2 (1015-00-133-8484)  
AND M40A4 (1015-00-133-8485)**

REFERENCE TM 9-1015-221-12

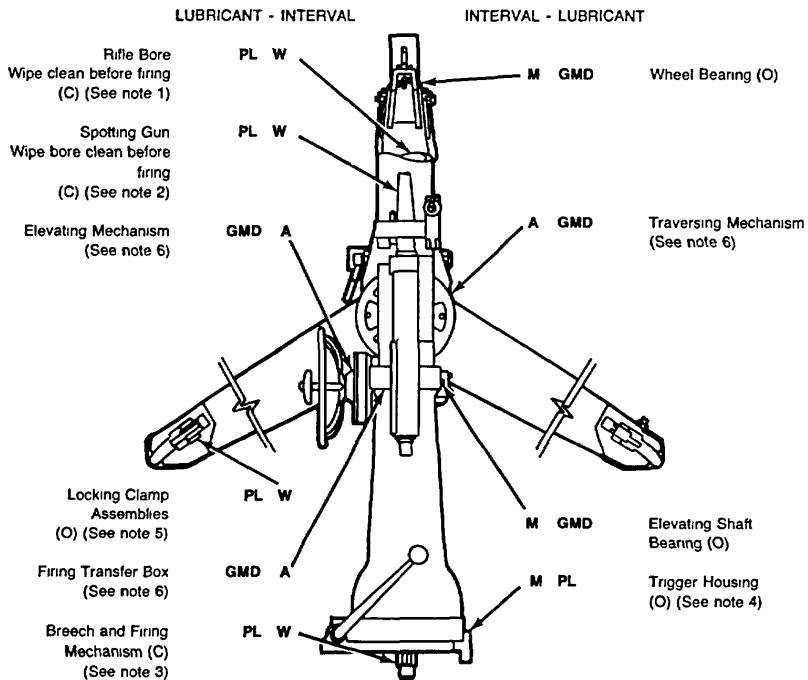
**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS.**

You can help improve this publication. 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 Equipment Publications and Blank Forms) direct to Commander, US Army Armament, Munitions and Chemical Command, ATTN AMSMC-MAS, Rock Island, IL 61299-6000. A reply will be furnished to you.

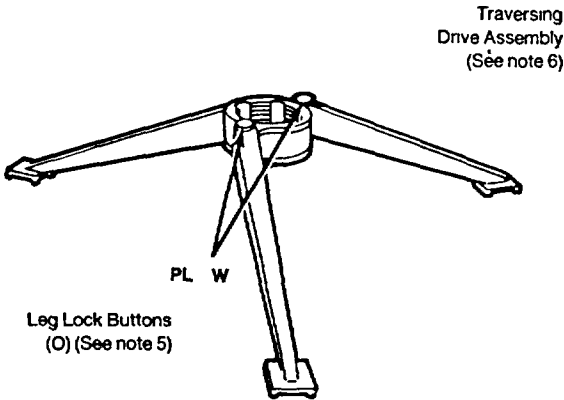
This LO lists all the lubrication to be done by the crew or organizational maintenance. Lubrication intervals are based on normal operation. You should lube more during constant use and less during inactive periods. On lubrication point location pictures, a dash (—) means lube points on both sides. Dry before lubricating. Before you start your lube service observe the following: a. always clean lubrication fittings before lubricating and b. always use lubrication order as your guide. The lowest level of maintenance is indicated by one of the following symbols:

C Operator/Crew

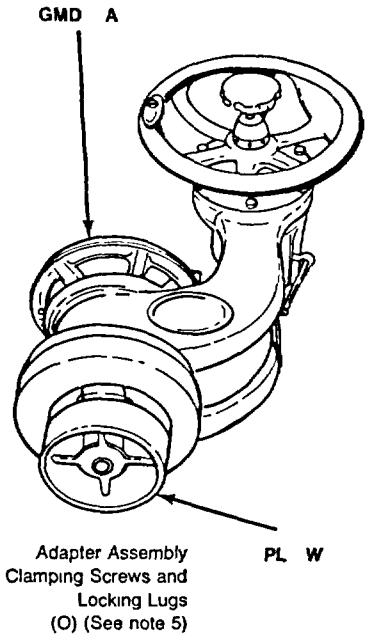
O Organizational Maintenance



**CANNON, M206 ON MOUNT, M79. W/GUN, SPOTTING, CAL .50, M8C**



TRIPOD, RIFLE MOUNT, M27



MOUNT, 106MM RIFLE, M92

**KEY**

LUBRICANT	EXPECTED TEMPERATURES				FOR ARCTIC OPERATION SEE FM 9-207	INTERVAL
	Above +32°F	+40°F to -10°F	0°F to -65°F			
PL - Oil, lubricating, general purpose	PL-M	PL-S	PL-S		W Weekly	
RBC - Cleaner, rifle bore	RBC	RBC	RBC			
GMD - Grease, molybdenum disulfide	GMD	GMD	GMD		M Monthly	
LSA - Oil, lubricating, semifluid	LSA	LSA	LSA			
LAW - Oil, lubricating, weapons		LAW	LAW		A Annually	

**NOTES:**

1. BORE The bore is cleaned on the day of firing immediately after firing is completed. Apply RBC to bore brush using approximately 10 to 12 ounces during cleaning operation. Thoroughly wet-punch the cannon tube at least 10 times using a scrubbing action with the bore brush. Check bore brush after every two or three punches to make sure it is still soaked with RBC. On the day after firing, perform the following:

- a. Soak a wiping rag wrapped around bore brush with RBC and wet-punch tube at least 10 times.
- b. Wrap clean wiping rags around bore brush and dry-punch the tube at least 10 times.
- c. Wrap lean wiping rags around bore brush soaked with PL and wet-punch the tube at least five times.
- d. For nonfiring periods cannon tube and breech mechanism assembly are cleaned and lubricated on a weekly basis.

2. SPOTTING GUN - Immediately after firing and on two consecutive days thereafter, perform the following:
  - a. Thoroughly clean the rifle bore, bolt and receiver assemblies with RBC and wipe dry.
  - b. Lightly coat the rifle bore with PL Special.
  - c. Coat bolt and receiver with LSA or LAW.
  - d. For nonfiring periods clean with RBC, wipe dry, re-oil the bore with PL Special, and re-oil the bolt and receiver with LSA or LAW on a weekly basis.
3. BREECH AND FIRING MECHANISM - Immediately after firing and on two consecutive days thereafter, perform the following:
  - a. Disassemble and clean the breech, vent bushing, and firing mechanism with RBC and wipe dry.
  - b. Oil the components with PL.
  - c. For nonfiring periods disassemble, clean with RBC, and oil the components with PL on a weekly basis.
  - d. Before firing, disassemble and wipe all components dry including recesses.
4. TRIGGER HOUSING - Disassemble, clean with RBC, wipe dry, and lightly coat parts with PL.
5. OIL CAN POINTS - Weekly lubricate M825 utility truck locking clamp assemblies, traversing and elevating handwheel knobs, eccentric lever assemblies, breechblock operating lever, adapter assembly damping screws and locking lugs on the M92 mount, and leg lock buttons on the tripod M27 with PL.
6. LUBRICATED BY DIRECT SUPPORT PERSONNEL - Disassemble and pack elevating mechanism, traversing mechanism, firing transfer box, and traversing drive assembly full with lubricant, annually or at time of disassembly. Copy of this lubrication order will remain with the equipment at all times; instructions contained herein are mandatory.

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.  
*General, United States Army*  
*Chief of Staff*

Official

R. L. DILWORTH  
*Brigadier General, United States Army*  
*The Adjutant General*

Distribution

To be distributed in accordance with DA Form 12-40, Operator and Organizational Maintenance requirements for Rifle, Recoilless, 106-mm, M40A2 and M40A4.

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