

SMALL CALIBER (5.56MM To Cal .50) MAINTENANCE
COLD WEATHER/ UNUSUAL CONDITIONS OPERATION

This abbreviated checklist is not to be used as a replacement for the -10 series Tech Manuals or any other PMCS guide

GENERAL

WARNING - Be sure to clear weapon before disassembling, cleaning, inspecting, transporting, or storing. Eye protection is recommended when cleaning your weapon or its parts. Cleaning solvent is **FLAMMABLE** and **TOXIC**. Solvent must be kept away from open flames and used in a well-ventilated area. Use of rubber gloves is necessary to protect the skin when washing weapon parts.

CAUTION - To avoid damage to equipment, do not use cleaning solvent or lubricants on wood, plastic, sealed buffers, electronic parts, rubber, leather, or electric solenoids. Do not use cleaning solvent on the entire MK19 Grenade Machine Gun (GMG).

1. Perform routine weapon maintenance (cleaning and lubricating) at the recommended frequency. Problems of snow and ice contamination will be minimized. Clean in enclosed areas when possible, out of the weather.

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GENERAL (continued)

2. Wait until a weapon warms to room temperature before cleaning it. A cold weapon will sweat with condensation. If you clean and lubricate the weapon before it quits sweating, the sweat freezes when you take it back outside.
3. Wipe weapons with a clean, dry cloth at every opportunity.
4. Give special attention to moving parts, like the bolt carrier. Wipe and brush them as clean as possible. Hand function the weapon every 30 minutes to keep parts from freezing solid. If parts do freeze, move them slowly and gently until they move smoothly again. Forcing things breaks parts.
6. Limit lubrication with CLP and other lubricants to internal parts. Wipe the outside of your weapon dry.
7. Store weapons in a covered, wind-protected area. Cover them with a blanket or poncho. Use rifle covers, muzzle caps, and spare magazine bags as much as possible. This will protect barrel, sights, and working parts from ice and snow.
8. Cover mounted machine guns.
9. On rifles, keep the ejection port cover closed and a magazine installed while in the tactical environment. If magazines must be removed in the FOB or garrison, protect the weapon with protective cover, NSN 1005-00-809-2190.
10. Spare machine gun barrels (hot) should not be put in snow to cool.

Organizational Cleaning

WARNING -Use dry cleaning solvent with caution. Avoid sparks and flame. Use in area having adequate ventilation.

Organizational Cleaning (continued)

1. With the exception of the MK19 Grenade Machine Gun, periodically flush out ice, snow, and other debris from all small arms using the following supplies:
Dry cleaning solvent (SD), P/N MIL-PRF-680, type 2, NSN 6850-01-474-2319. Wash pan, P/N 1211, NSN 3990-00-795-3595. Chemical and oil protective gloves, P/N ZZ-G-381, NSN 8415-00-823-7459. Brush of appropriate size.

Lubrication

WARNING - Never mix lubricants on the weapon; always completely remove one lubricant before using another. Mixing lubricants can cause viscosity change, resulting in weapon damage or malfunction, which can cause injury.

NOTE -- Lubrication instructions are mandatory. Do not mix lubricants on the same weapon. The weapon must be thoroughly cleaned during change from one lubricant to another. Cleaning solvent (available to unit maintenance) is recommended for cleaning during change from one lubricant to another. Only lubricants and cleaners specified in your weapons operator manual are authorized for use on your weapon system.

Lubricants listed in Tables 7-1 and 7-2 (refer to TB 43-0245-50, pg 7-3 to 7-6) are used to meet varied needs. The lubricants should be used within the prescribed temperature range for that particular weapon in conjunction with the lubrication instructions in the applicable technical manuals.