

**M7 BFIST TURRET, NSN 2350-01-432-1526**  
**COLD WEATHER OPERATIONS**

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

**WARNING:** Contact with cold metal can cause frostbite. Wear gloves in cold conditions. Do not touch cold metal with bare skin.

**CAUTION:** Turret motors and drives can get damaged if turret is operated in extremely cold temperature. Do not operate turret in extremely cold temperatures below -25F (-31C) without running engine and personnel heater.

**NOTE:** Turret interior and exterior should be kept dry and free of debris. Turret power drains batteries quickly in extreme cold.

1. Operate turret manually when engine is not running.
2. Perform PMCS on a regular basis.

**WARNING:** Soldiers can be seriously injured or killed in attempt to fire weapons when the barrel or launch tube is blocked by ice. Make sure that barrels and launch tubes are not blocked by ice before firing weapons.

3. Manually depress 25mm gun to -160mils when not in use.
4. Keep ballistic sight shield doors closed when ISU is not in use.
5. Keep tarpaulin on vehicle when vehicle is not in use.
6. Keep rubber caps on vehicle commander's and observer's/gunner's eyepieces when ISU is not in use.

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**WARNING:** Sunlight reflected off of snow or other reflective surfaces can permanently damage your eyesight when viewed through ISU. Set ISU sensor select switch to NEUTRAL on bright, sunny days.

7. Set sensor select switch to NEUTRAL position when using ISU on bright, snowy days.

**NOTE:** Vehicle commander's and observer's/gunner's eyepieces and periscopes can fog up and cloud your view. You should not breathe on them.

8. Check that both ISU windows are free of ice, snow, and frost.
- If they are free of ice, snow, and frost, go to Step 9.
  - If they are not, use FAN DEFOGGER switch with covers closed to melt ice formations.

**WARNING:** Soldiers can be seriously injured or killed in attempt to fire weapons when the barrel or launch tube is blocked by ice. Make sure that barrels and launch tubes are not blocked by ice before firing weapons.

9. Check grenade launcher tubes for ice buildup. Keep rubber caps on grenade launcher tubes until ready for firing.