

Opposing Forces Surrogate Vehicle (OSV)/Main Battle Tank (MBT)
COLD WEATHER OPERATION

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

TURRET OPERATION

WARNING: Contact with cold metal and working outside in cold weather can cause frostbite. Gloves and cold weather clothing must be worn in cold conditions.

Personnel must not touch cold metal with bare skin.

CAUTION: Turret motors and drive systems can be damaged if turret is operated in extreme cold. Before starting operations, engine must be started and idled to operating temperature and personnel heater started. Do not operate turret in power mode for extended periods with engine shut off. Lights and electrical equipment shall be off while engine is off. When lights and/or electrical equipment are required on, duration shall be as short as possible. Batteries are drained quickly in cold weather.

NOTE: Interior and exterior must be kept dry as possible and free of dirt and debris. Preventive maintenance checks and services must be done when vehicle is shut down and on a regular basis as scheduled. Turret must be in manual operation while turret is shut down.

1. Put turret in manual operating mode. See TM 9-2350-366-10-2

NOTE: Gun must be depressed to -160 mils while turret is shut down.

TURRET OPERATION (continued)

2. Manually depress main gun to -160 mils.

See TM 9-2350-366-10-2.

3. Make sure that Tank Thermal Sight (TTS) and M32E1 ballistic sight shield covers are closed. See TM 9-2350-366-10-2.

4. Make sure vehicle is covered with tarpaulins (or whatever is available) while not in use.

WARNING: Looking at sun or bright reflected light through TTS or commander's sight (M32E1) can cause blindness. Filter must be set before personnel look at bright lights.

NOTE: Filter in TTS must be adjusted and/or M32E1 opaque disk must be installed before looking through a sight.

5. Operate the TTS and/or M32E1 sight as required.

See TM 9-2350-366-10-2.

6. Check that inside and outside sight windows and lens are free of ice, snow, frost, and moisture.

- a. Clean interior optical window and lens as required. See TM 9-2350-366-10-2.
- b. Clean exterior optical window and lens as required. See TM 9-2350-366-10-2.