

BACK OFF THE PRESSURE

WHOA!
MY MUZZLE REFERENCE SENSOR MAY BE DIRTY, BUT THAT'S **NOT** THE RIGHT WAY TO CLEAN IT!



High-pressure water is a sure way to remove stubborn dirt from your tank, crewmen. It's also a sure way to damage components like the muzzle reference sensor (MRS).

The PMCS section of the -10-1 TMs specifically prohibits the use of high-pressure water on the MRS. High-pressure forces water inside the MRS and it's damaged.

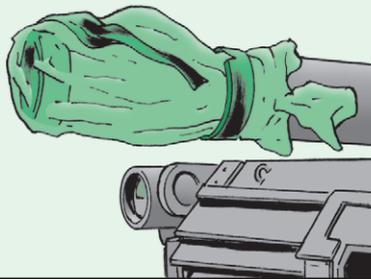
So how do you clean the MRS? Follow these steps:

1. Depress the main gun until the MRS can be reached. If the MRS on your tank is tritium-powered, handle it carefully. If you can't see any illumination through the inspection window lens, double-wrap the MRS in plastic and tell your mechanic. If you see illumination, go to step 2.

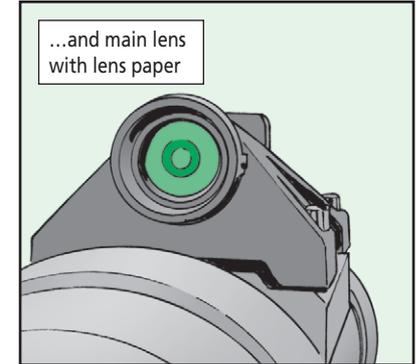
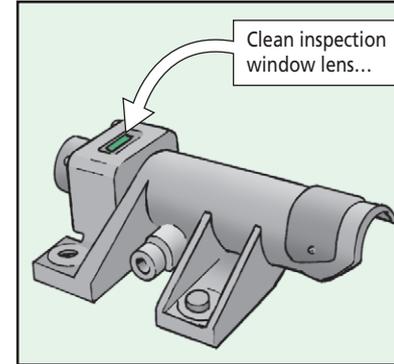
Look for illumination through inspection window lens



No illumination? Double-wrap MRS in plastic



2. Fill the plastic squeeze bottle, NSN 8125-01-134-5409, from the crosswind sensor cleaning kit with clean water.
3. Squirt a gentle stream of water at the two MRS lenses to flush away dirt and dust particles.
4. Soak lens paper, NSN 6640-00-285-4694, with lens cleaning compound, NSN 6850-00-227-1887. Clean both lenses with a gentle, circular motion.



5. Let the lenses air-dry.

6. Eyeball the lenses. If you see gouges or scratches, tell your mechanic.



MECHANICS,
IF YOU **HAVE** TO REPLACE THE MRS, MAKE SURE YOU ORDER THE NEW BATTERY-POWERED ELECTRONIC MRS. ORDER FROM THIS LIST...

Tank	Tritium MRS, NSN 1240-01-	Electronic MRS, NSN 1240-01-
M1/IPM1	324-2217 275-0077	475-0278
M1A1	409-0784 380-3125 276-6628 313-8932	475-0276
M1A2 SEP	444-6558 356-5887	475-0275

