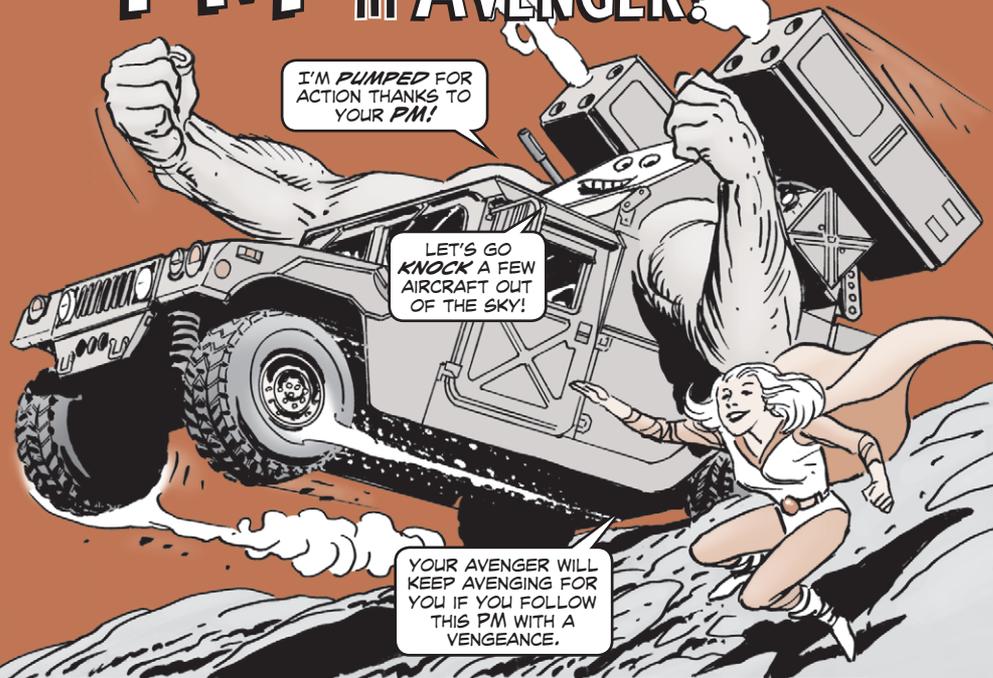


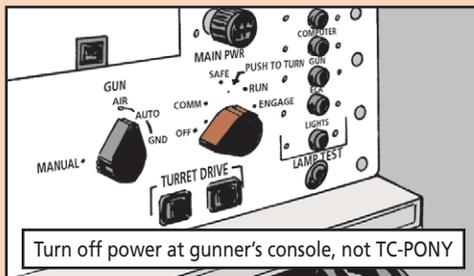
PM Keeps the "Avenger" in AVENGER!



If your Avenger has been equipped with the new PONY tactical computer, it's critical you properly shut down the Avenger, which means turning off the power from the gunner's console, not the TC-PONY. If you turn off power at the TC-PONY, you risk ruining the TC-PONY's hard drive.

It's also critical with the TC-PONY that you carefully plug in the J5 cable. If you force the cable in place, bending pins, you lose communication within the Avenger system.

TC-PONY



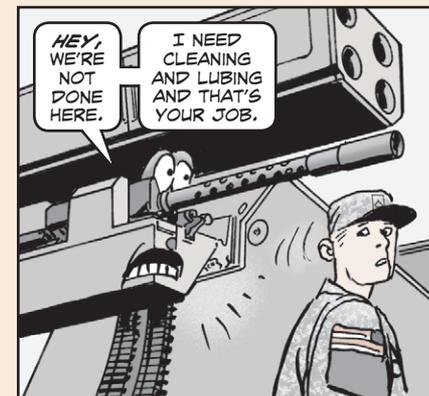
M3P Machine Gun

The M3P machine gun must be cleaned and lubed with TW-25B—nothing else—before it's returned to the arms room. That job is the crew's, not the armorer's. When the M3P goes uncleaned and unlubed, it will jam or fire only single shot next time it makes a trip to the range.

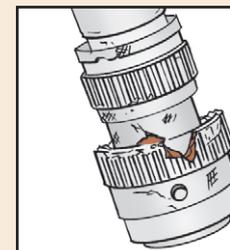
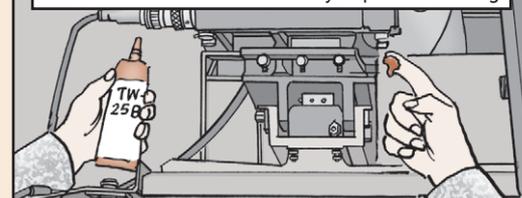
When cleaning, don't dump the bolt in a solvent tank. The solvent gets in all the bolt crevices and makes it impossible to properly lube the bolt. Clean the bolt with a rag and RBC. Then lube it with TW-25B.

Monthly, give the M3P's traverse mechanism a few dabs of TW-25B. Work the traverse mechanism back and forth to spread the lube. That keeps the traverse mechanism from binding and making boresighting difficult.

When you install the M3P, don't try to tighten its cable with regular pliers or a multi-purpose tool. They're too short and can damage the connector. Use needle-nose pliers to tighten the cable. When your Avenger goes through overhaul, a new M3P connector will be installed that will make the job easier.



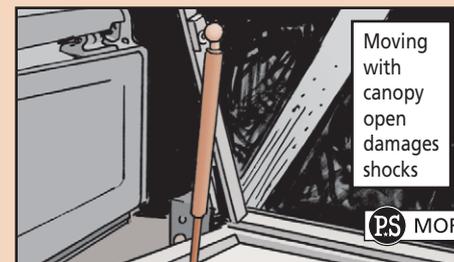
Lube traverse mechanism monthly to prevent binding



Using wrong tool damages M3P gun cable

Canopy Caution

Never move the Avenger even a foot with the canopy open. Just that little trip can ruin the canopy's shocks. Then the canopy can come crashing down on your head. Crew drills and M3P live fires are usually when crews forget this important rule.



Moving with canopy open damages shocks

PS MORE

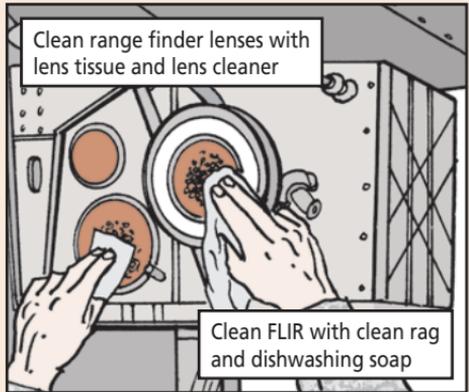
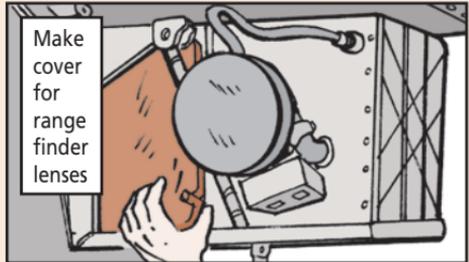
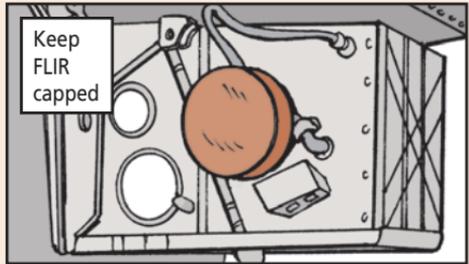
Lens Protection and Cleaning

If the lenses for the FLIR and range finder are ruined by flying sand and pebbles, your Avenger is blinded and your unit is out big bucks. So any time you're not firing, which is most of the time, **keep the FLIR and range finder covered.** The FLIR has its own protective cap, which can be ordered with NSN 5855-01-441-3189.

But the range finder has no cover, so you need to make one with styrofoam. Cut a piece 12 x 18 inches. Punch a hole in it for the boresight guide pin cover. Stick it in front of the range finder lenses so the support bracket holds it in place.

If you clean the delicate lenses with something like a dirty rag, you'll scratch them. Clean the range finder lens only with lens cleaner, NSN 6810-00-201-0906, and lens tissue.

Clean the FLIR lens with dishwashing soap, NSN 7930-00-880-4454, and a clean rag. Remove any soap with a clean rag and denatured alcohol. You can order 50 pounds of clean rags with NSN 7920-00-205-1711.



Watch Your Feet

When you're climbing up and down on the Avenger, make sure your feet stay off the W101 cable for the ECU/PPU. The cable grounds the ECU/PPU. If it's damaged, you have a fire hazard.

