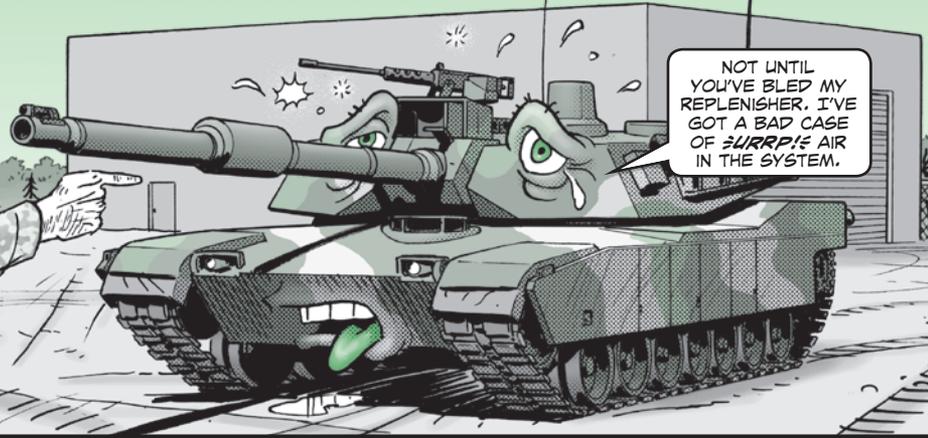


CHECK REPLENISHER BEFORE FIRING

YOU READY FOR OUR FIRE MISSION?



NOT UNTIL YOU'VE BLED MY REPLENISHER. I'VE GOT A BAD CASE OF SURPRISE AIR IN THE SYSTEM.

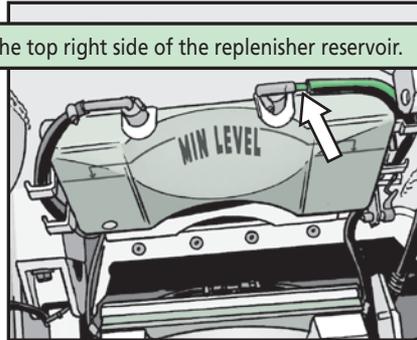


Crewmen, your M1's main gun could recoil uncontrollably the next time it's fired if the recoil system has too little fluid or too much air. When either happens, the cannon can shear its retaining bolts and slam into the ammo compartment—definitely not something you want happening to you or anyone else in the turret!

So if your tank's replenisher has been drained for maintenance, or if you're preparing for a firing exercise, here's what you need to do:

Replenisher Level

1. Park the tank on level ground and raise the gun tube to max elevation.
2. Make sure you're wearing long sleeves (rolled down), rubber gloves, goggles and a faceshield. FRH contains a chemical that can cause paralysis if it's taken orally. FRH can also be absorbed through the skin, so wash thoroughly with soap and water if you get any on you.
3. Disconnect the hose from the plug on the top right side of the replenisher reservoir.
4. Uncoil the hose by sliding it out of the six retaining clips around the outside of the replenisher.
5. Extend the hose through the loader's hatch.
6. Put the small BII funnel, NSN 7240-00-404-9793, in the hose and slowly add FRH, NSN 9150-00-111-6256, until the fluid level reaches the MIN LEVEL mark on the replenisher.
7. Remove the funnel, slide the hose back through the retaining clips and reattach it to the plug on top of the replenisher.



If the fluid level in the replenisher keeps moving down over time, report it. You could have a Class III leak.

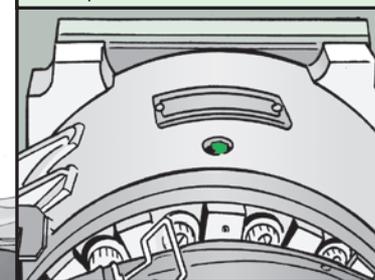
Bleed Recoil System

Checking the FRH level in the replenisher isn't all you need to do, though. If there's air in the system, the replenisher could give you a false reading. The level may look good when it's actually low.

Bleed the system prior to firing exercises and every time the system is drained and refilled. Here's how:

1. Make sure you're wearing long sleeves, gloves, goggles and a face shield for protection.
2. Elevate the main gun to maximum elevation with the hydraulic pump handle and check the replenisher to make sure it's full.
3. With turret power off and the system hydraulic pressure reduced to zero, manually depress the gun tube just below level.
5. Allow all the air to escape until you see FRH starting to ooze from around the bleed plug.
6. Retighten the bleed plug. Wipe off any FRH with a rag and dispose of it properly.
7. Recheck the replenisher reservoir. Add FRH if needed.

4. Loosen, but don't remove, the bleed plug below the gun mount ID plate.



NOW WE'RE TALKING! I COULD DO THIS ALL DAY!

