

M230 Gun...

Straight Shooting Field Tips

PAY ATTENTION TO THE ADVICE THESE GUYS HAVE ON THE M230 AUTOMATIC GUN!

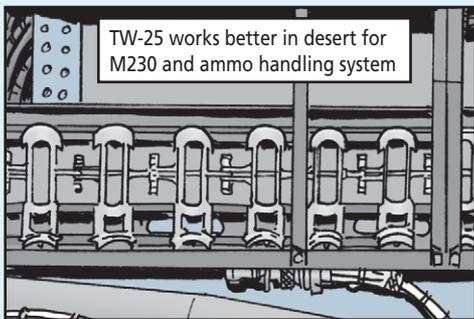


Dear Editor,

Through our experiences working with the M230 gun at Ft Bragg and in Iraq, we've come up with a few tips for better shooting:

Use TW-25B lubricant. The Army has approved TW-25B for some components of the ammo handling system and the M230 and we've found it's a big improvement over other lubricants like "moly-b". Moly-b was like glue to sand, plus it became so hard in the desert heat that it was difficult to remove. TW-25B didn't attract sand nearly as much, was more durable, and was easier to clean off. TW-25B can be used on most areas of the inner receiver, bolt and track, chain, drive gear, breech, barrel support, gun support bearings and all chutes and rails. Make sure not to coat areas that directly contact the ammo. Don't use TW-25B on the internal components of the constant speed drive. Use moly-b there.

TW-25 works better in desert for M230 and ammo handling system

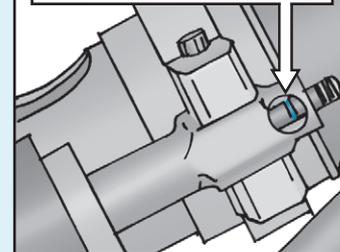


Clean the contacts on the contact box.

Dirty contacts can cause a **ROUNDS DECREMENT FAIL** when you try to fire. Even a brand new electrical box for the M230 has a thin layer of anti-corrosion coating that may interfere with firing voltage. Just wipe these contacts with a clean cloth to ensure a good connection.

Pay careful attention to recoil adapters in the desert. The hydraulic fluid in the recoil adapters is affected by the temperature. Because the desert temperatures can fluctuate tremendously from day to night, it's even more important to check the recoil adapter indicators before a mission to see if they have too little or too much fluid. If you fire with too little fluid, the hard recoil could damage the gun cradle. Too much fluid could cause the recoil adapters to leak. Just make sure the red indicator is visible in the sighting hole. Drain or add fluid as necessary.

Make sure red indicator is visible in sighting hole before missions

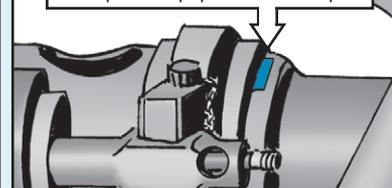


Fix cradle vibration in the field. If the cradle (or its attaching parts) for the M230 gets even a little loose, the gun vibrates too much during firing and quickly wears out expensive parts on the gun turret and cradle. PS 644 explained that the culprit may be the recoil clamps. For the procedure on checking the clamps, see

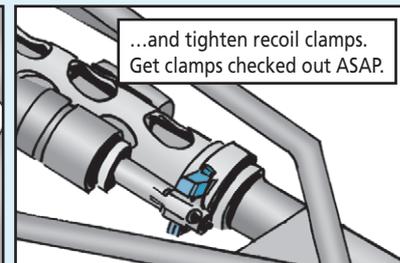
<https://www.logsa.army.mil/psmag/archives/PS2006/644/644-35-36.pdf>

If you detect cradle vibration while in the field and suspect it's from the recoil clamps, a good temporary fix is put a piece of paper under the clamp to act as a shim. Then tighten the recoil clamps to the required torque. This often quiets most of the vibration. But this is a temporary fix. Get your mechanic to check out the cradle as soon as possible. The clamps or even the cradle may need to be replaced.

To stop cradle vibration in field, slide piece of paper under clamp...

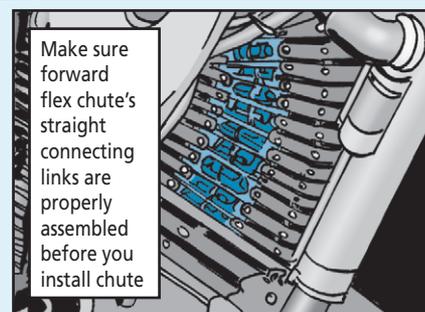


...and tighten recoil clamps. Get clamps checked out ASAP.



Check forward flex chutes before use. Corrosion, bent or broken links and improper installation can all cause the ammo system to jam. Even new chutes need to be inspected for proper assembly and lubrication prior to installation.

Make sure forward flex chute's straight connecting links are properly assembled before you install chute



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