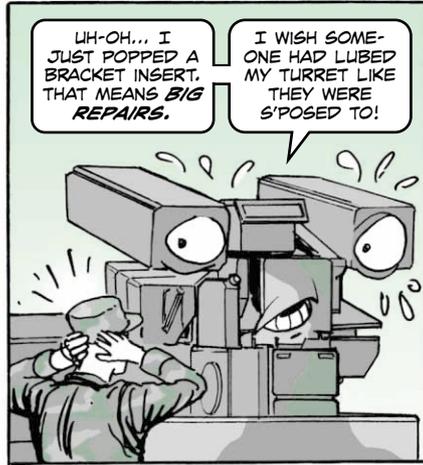
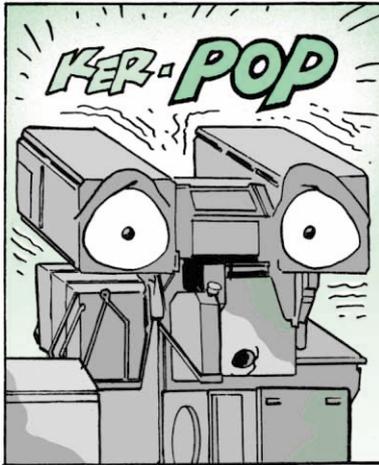
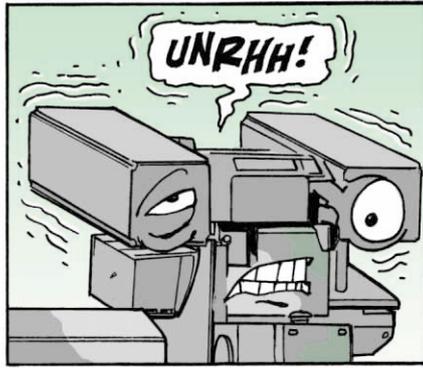
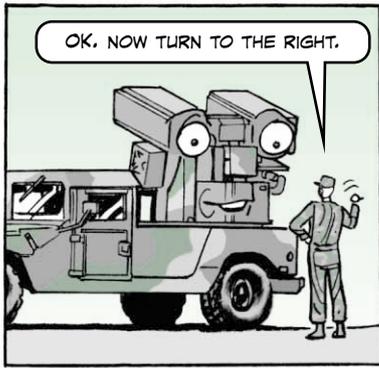


LUBE RIGHT FOR SMOOTH ROTATION



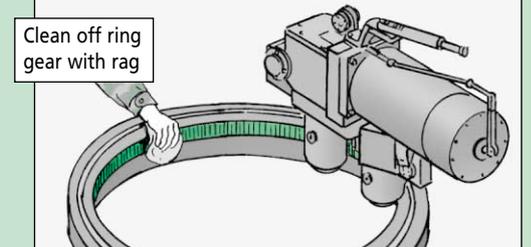
Some Avenger missile repairmen think they can take care of the semiannual lubing of the turret ring gear/azimuth assembly by just squirting lube through the access cover.

It just isn't so! To do a proper lubing job, you have to first clean off the old grease, which means de-mating the turret from the HMMWV. If you don't, the old grease hardens and makes it difficult for the turret to turn. That can break ring gear teeth or cause the inserts for the azimuth motor bracket to pop out. If that happens, you'll have to get depot repairmen to pay a trip to your unit to repair the damage.

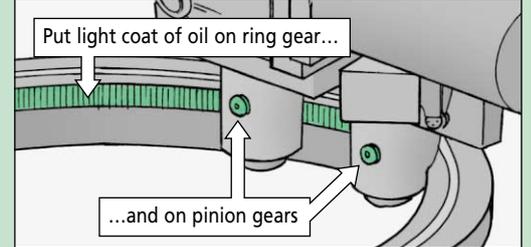
Same thing can happen if you don't use the right lube. The wrong lube can soon turn to sludge and make turning the turret a strain.



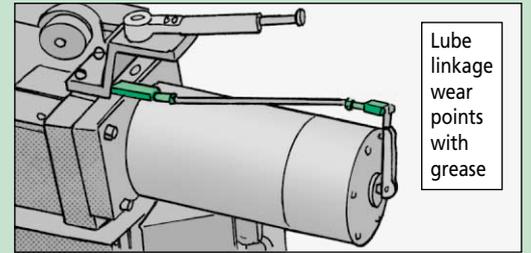
After you de-mate the Avenger, clean the old grease off the ring gear with a rag. Being careful to keep your hands away from the pinion gears, rotate the turret in small increments as you wipe off the old oil from the azimuth drive pinion gears.



Make sure the ring gear and pinion gears are clean and free of obstructions. Apply a light coat of molybdenum disulfide lubricating oil, NSN 9150-01-217-3103, onto the ring gear and pinion gears.



Manually rotate the turret two complete revolutions to work in the lube. Wipe off excess lube from the ring gear and pinion gears.



Lubricate the linkage wear points with arresting gear grease, NSN 9150-01-237-7468.

