

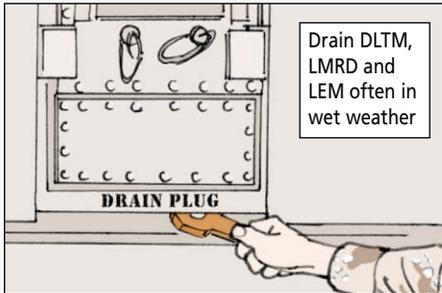
# SOP FOR DLTM, LMRD AND LEM



Dear Editor,

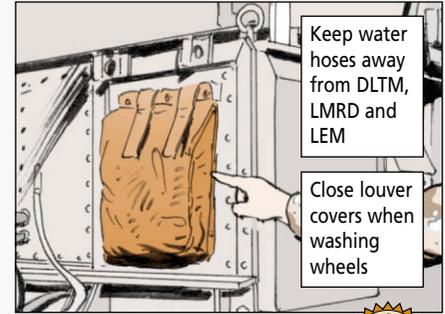
The data link terminal module (DLTM), launcher missile round distributor (LMRD), and launcher electronics module (LEM) on the Patriot's launcher just don't get the PMCS attention they deserve. As a result, they suffer electrical damage from moisture or overheat from lack of air. Those can be expensive fixes, besides killing missile launches. We've found these pointers will keep the DLTM and LEM pointed in the right direction:

- **Drain them.** This is something Patriot crews often forget. Water builds up inside the DLTM, LMRD or LEM, which causes electrical damage and corroded connectors. The TM recommends draining them monthly, but if you're operating in a rainy area every other day would be better. We open up their drain plugs when we begin PMCS and close them when we're finished.



- **Clean the fans in the DLTM, LMRD and LEM, especially in the desert.** If the fans are running constantly in the desert, they will soon be caked with sand. If the fans aren't cleaned, they'll eventually burn out and the DLTM, LMRD or LEM will overheat. We clean the fans daily when we're operating. We've found the easiest way to clean the fans is to take them out of the DLTM, LMRD or LEM and blow them off with an air hose.

- **Keep water hoses away from the DLTM, LMRD and LEM.** They're not completely waterproof. High-pressure water will get inside their components and cause all sorts of damage. On all Patriot components you should never clean with hoses above the wheel level. And even then you should fasten the louver covers on both the DLTM, LMRD and LEM to make sure water can't accidentally get in them.



CW2 Isaac Smith, PFC Bobby Jackson  
Ft Bliss, TX



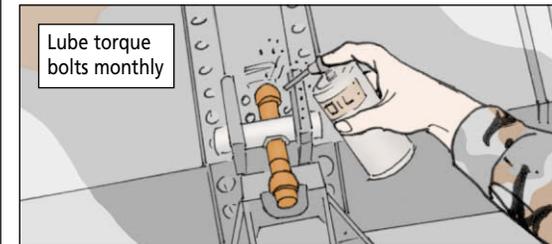
# LUBE TO PREVENT FROZEN TORQUE BOLTS



Dear Editor,

If a torque bolt on the Patriot launcher becomes frozen with corrosion, you can break the bolt trying to turn it. Then you've got to spend two or more hours cutting off the bolt with a hacksaw. That is not an afternoon of fun.

It's easy enough to prevent frozen torque bolts. Every month give all the bolts a light coat of an oil like WD-40. Run the bolts up and down to work the lube in. That's much easier than getting out the hacksaw.



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SSG Paul Bary  
SFC Earlie Poole  
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