

# STOP LEAKS WITH TURRET HINGE COVER BOOT



**DRIP... DRIP... DRIP.** That's the sound you'll hear on a rainy day if your M1114's turret hatch has developed leaks around the hinge area.

Now you can stop the leaks by installing a hinge cover boot around the turret hatch hinge. Instructions for doing this aren't in the TM yet, so keep reading to find out what to do.

Order the turret hatch hinge cover boot field repair kit, NSN 2510-01-520-3972. The kit includes one hatch hinge seal, one each hatch hinge seal short and long tie-downs, thirteen 10-32 locking nuts, thirteen 10-32 x 1/2-in screws, four inches of 3/8-in diameter sponge rubber and a tube of adhesive.

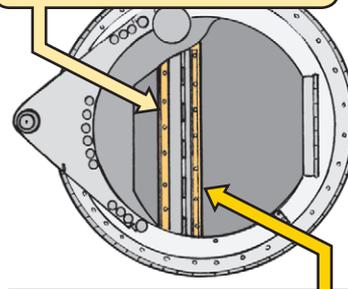
PUT A HALT TO TURRET LEAKS BY FOLLOWING THESE PROCEDURES...



## Turret Hinge Cover Boot Installation

1. Apply your M1114's parking brake.
2. Release the three turret hatch fastener clamps.
3. Position the short and long hatch hinge seal tie-downs on the outside of the turret hatch. Secure them with clamps.

4. Match drill six 1/4-in diameter holes through the short hatch hinge seal tie-down and turret hatch.

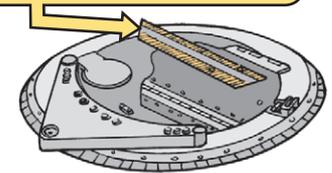


5. Match drill seven 1/4-in diameter holes through the long hatch hinge seal tie-down and turret hatch.

6. Remove the clamps and hatch hinge seal tie-downs from the turret hatch.

7. Use compressed air to blow away the residue. Then use isopropyl alcohol to clean the top side of the turret hatch around the drilled holes.
8. Remove small sections of insulation on the bottom side of the turret hatch, around the 13 holes to allow for the installation of the locknuts.
9. Apply adhesive to the bottom side of the hatch hinge seal.

10. Install the hatch hinge seal over the turret hatch hinge. Make sure all the holes line up.



11. Install the short hatch hinge seal tie-down and the long hatch hinge tie-down and secure them with 13 screws from the top and locknuts on the bottom. Then, torque the locknuts to 68 lb-in.

## Installation of Sponge Rubber in Side-Bead Trim Seal

1. Open the turret hatch and pull one end of the side-bead trim seal a few inches away from the turret armor.
2. Apply adhesive to the sponge rubber and insert the ends into the ends of the side-bead trim seal.
3. Re-install the side-bead trim seal onto the turret armor.
4. Close the turret hatch and fasten the three turret hatch fastener clamps. See TM 9-2320-387-10 for further guidance.

