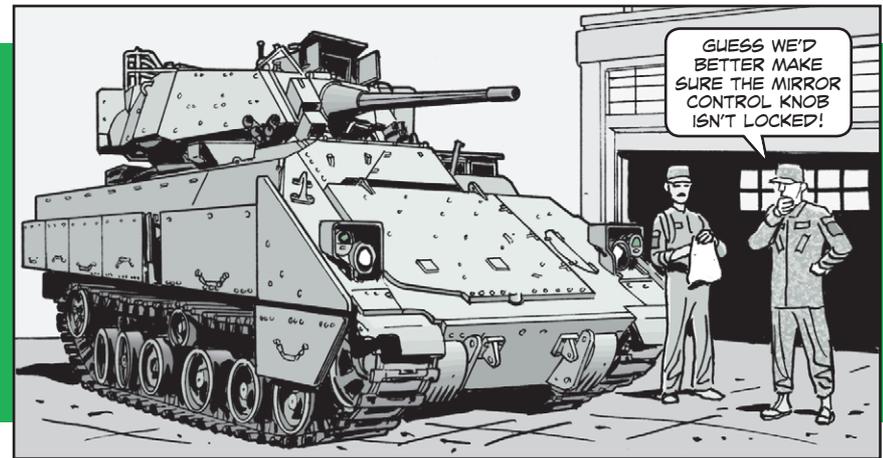


To Lock ...or Not to Lock

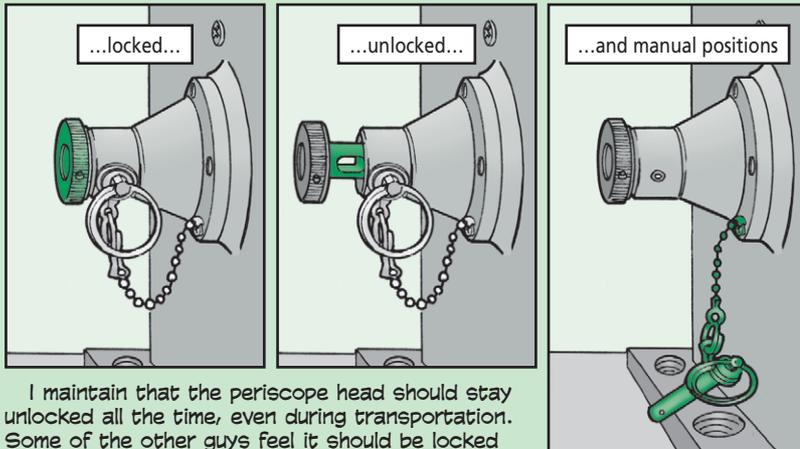


Dear Half-Mast,

I'm hoping that you can settle an argument about proper transportation of Bradleys at our unit.

The integrated sight unit's periscope head has a mirror control knob on its side. The knob acts as a locking mechanism for the mirror inside the periscope and can be set in three positions: locked, unlocked and manual.

Mirror control knob can be placed in...



I maintain that the periscope head should stay unlocked all the time, even during transportation. Some of the other guys feel it should be locked during transportation to prevent damage to the mirror and the motor that drives it.

What do you say, MSG Half-Mast?

SSG R.D.B.

Dear Sergeant R.D.B.,

You're right on this one, Sergeant!

At one time there was a requirement to lock the periscope head (P-head) during transport. Unfortunately, once the Bradley arrived at its destination, units often forgot to **unlock** the P-head. The first time the ISU was used, the torquer motor that drives the mirror would burn out.

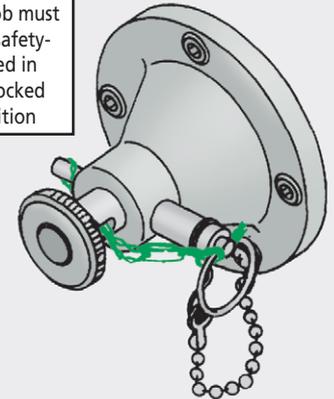
The mirror and torquer motor are not damaged during transport. They actually go through more jolts and bumps when the Bradley is in the field, so there's no need to lock 'em.

If you check out the PMCS tables on Page 2-106 of TM 9-2350-252-10-2 (Sep 86 w/Ch 6) and WP 0069 00-84 of TM 9-2350-284-10-2 (Apr 01), you'll find that the knob is actually supposed to be safety-wired in the unlocked position to keep it from being locked. In fact, the vehicle is NMC if the knob is not wired in the unlocked position.

Now, there's a possibility that some units may still be receiving new or repaired P-heads that have been locked for shipment. Whenever your Bradley gets a new P-head, check to make sure the mirror control knob is unlocked and safety-wired. If it's not, notify your mechanic.

He'll have DS safety-wire the knob following the instructions on Page 4-543 of TM 9-1425-453-34-3-2 (Jul 96) and Page 4-193 of TM 9-1425-474-34-4 (Jul 98).

Knob must be safety-wired in unlocked position



Half-Mast