

# Periscope Head Safety Wire Fix



Dear Editor,

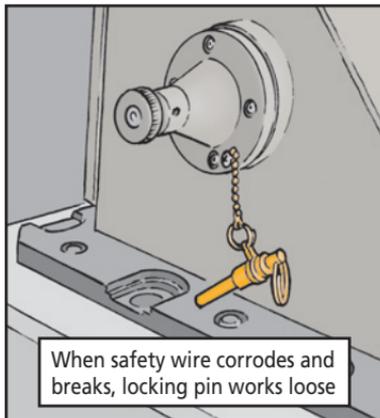
During my time in Iraq, I've noticed a problem with the safety wire that's being used to tie up the mirror control knob on the side of the Bradley's ISU periscope head.

This safety wire has a lead embossing seal and is the same stuff used for the fire suppression system and turret combat override. Unfortunately, it doesn't hold up to the weather conditions in Iraq. The wire corrodes and snaps, letting the locking pin vibrate out and hang from its tether.

Gunners usually place the pin back in the periscope head without realizing that the knob is spring-loaded. That locks the mirrors and keeps them from moving when the gun is elevated or depressed. That burns out the torquer motor that moves the mirror within the periscope head itself.

We've found the easiest fix for this problem is to have your TOW missile system repairers replace the lead embossed safety wire with NSN 9505-00-221-2650. This safety wire comes in a 1-lb spool, costs less and is much stronger than the old wire. It holds up against extreme weather conditions much better, too.

SGT  
4/1 Cav Div  
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**Editor's note:** The mirror motors on those periscope heads are very expensive. So each one that doesn't have to be replaced is money well-saved. Good job, Sergeant!