



Photo 1: The adjusting screw has become recessed.

**S**OMETIMES WHEN YOU PLACE the cover onto the back of the horn, the adjustment screw recedes below the cover. Trying to adjust the screw to change the *aaogah* sound can cause you to chip the cover's paint. The adjustment screw is supposed to protrude past the horn cover. (See *photo 1*.) What happened to the horn? Why does this happen?

I am sure the horn is out of spec due to wear. After all, the horn is basically an electrical motor. Every time you press the horn button, the armature rotates — and over time these surfaces wear out.

While this article specifically describes the F.M. Model A horn, the same steps can be applied to other makes.

**THE ISSUE** with the horn is that the armature has become too short due to wear. (See *photo 2*.)

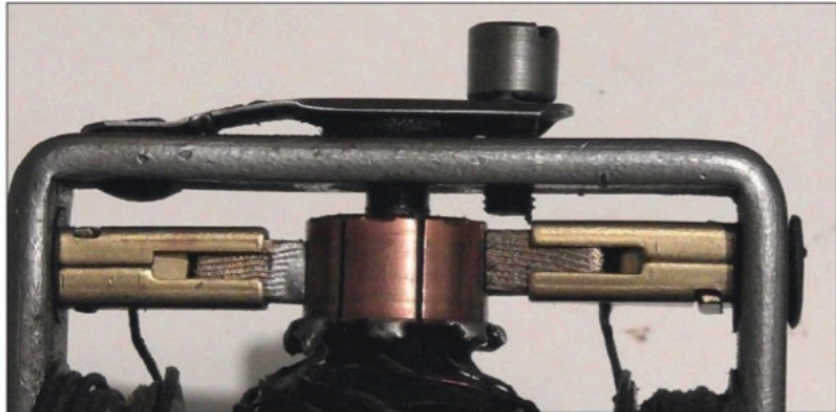


Photo 2: The armature has worn short.

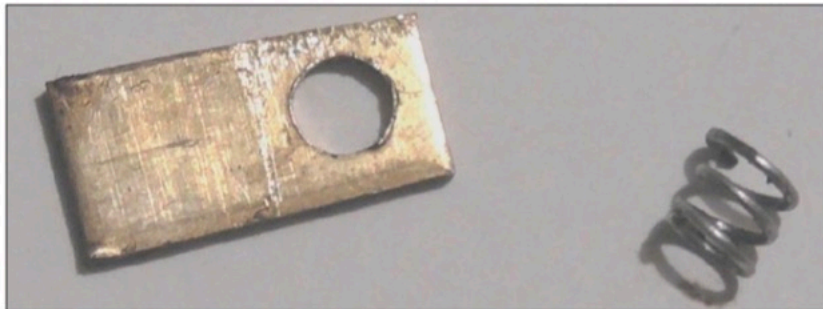


Photo 3: A drilled brass shim and spring

To fix this problem, push out the adjustment screw so it protrudes past the horn cover. The fix is simple; add a brass shim. This article will show you how to make a shim that takes up the wear of the armature.

**FIRST TAKE A SMALL PIECE** of brass and cut it to size (1" x ½"). Then drill a 17/64" hole (in the center)