

TECHNICAL BULLETIN - #A605  
 SUBJECT: SUBJECT: ZINC CASING MOTOR #5014  
 INSTALLATION INSTRUCTIONS  
 Effective Date: 6/14/05

**Tools needed:**

5/16" socket and corresponding ratchet

7/16" socket

razor knife or equivalent

Flat head screwdriver

**To replace the 5014 motor with the 5014 redesigned motor with built in bracket:**

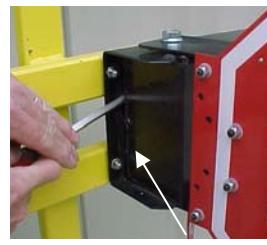
Replacement is as follows: (Pictures shown are for representative purposes only. Procedure is the same for either 5-series or 6-series- Stop Arm or Crossing Arm.)



1. Using a utility knife, cut the silicone seal on both ends of the stop arm cover.



2. Remove screws from both ends of the cover using 5/16" socket



3. Remove the cover by using a flat bladed screwdriver to pry it off.



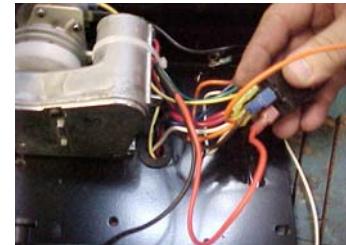
4. Unplug the red and black motor wires from the relays (or from module- if 6-series)



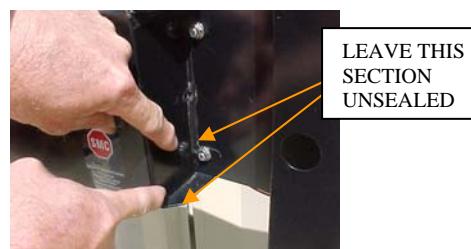
5. Remove (2) each of washers, lock-washers and nuts on the motor bracket and remove both the motor and bracket from the assembly, using a 7/16" socket



6. Position flats of motor shaft so that they are parallel to the base, for ease of assembly- then push into place as shown above. Reattach (2) each of washers, lock-washers and nuts to secure new motor in place.



7. Reattach the red and black motor wires to the relays (or to module- if 6-series). The red wire attaches to the upper relay, the black to the lower.



8. Replace cover. Secure with (2) screws. Reseal both ends of the crossing arm cover with RTV. **IMPORTANT! - DO NOT seal approximately 1" of the lower right side of the box. This provides an additional drainage location.**  
 Test the assembly to make sure it functions correctly.

If further help is needed, contact the engineering department at Specialty Manufacturing.