

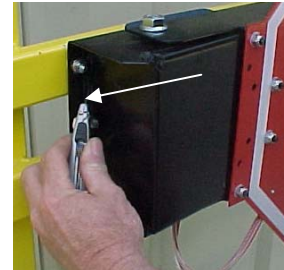
**Note: This module is a drop-in replacement for 5-series stop arm microswitch plate assembly for units with & without strobes. This is not a retrofit for any 6-series unit.**



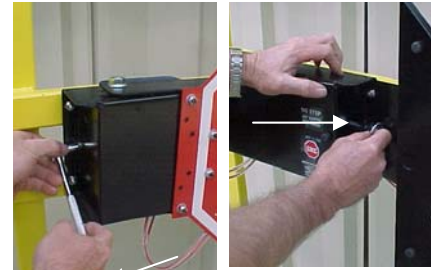
1. Remove 1/2-20 nut at the bottom of control box w/ 3/4" wrench.



2. Use a screwdriver (or similar tool) to tap the cam shaft up inside the unit.



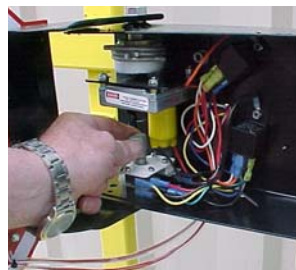
3. Cut silicone seal at both ends of the stop arm cover.



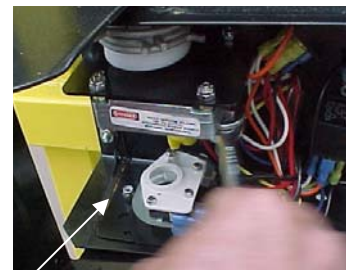
4. Remove screws from both ends of cover as shown, using a 5/16" socket.



5. Rotate sign for access & remove cover.



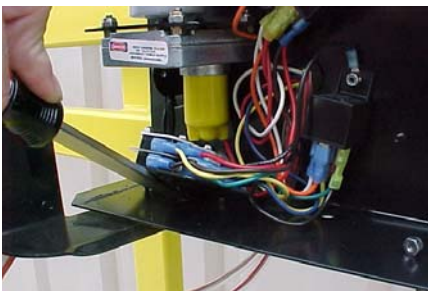
6. Remove camshaft and discard. It's not needed w/5.5 series.



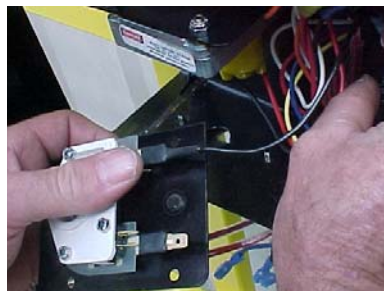
7. Remove (2) 11/32" nuts holding microswitch plate. Assy will come out as one unit.



8. Carefully cut the wire tie



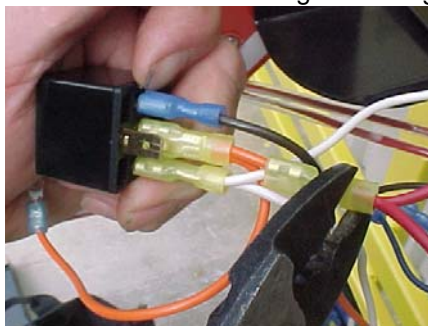
9. Pry microswitch plate up releasing snap ring & bushing. Caution-bushing may break & snap ring will make a loud noise when released. Discard ring & bushing.



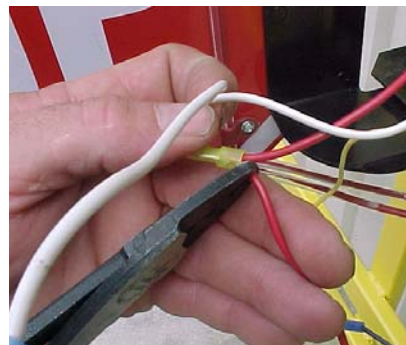
10. Remove all wires from microswitch plate assy. Black heater wire remains with assy.



11. Remove the 11/32" nuts on both relays.



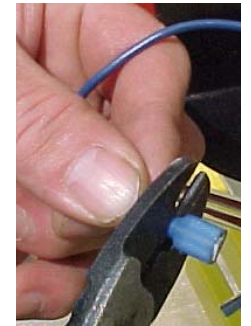
12. Disconnect wires from the relays. Discard relays, microswitch assy & jumper wires- double orange, double black/green, brown & yellow.



13. Cut smaller (shorter) wire from the double red & double white pigtail sets.



14. Cut Fast-On end off of BLUE wire, strip end approximately 1/4" & crimp new 1/4" fast-on blade, 004024, included with kit.

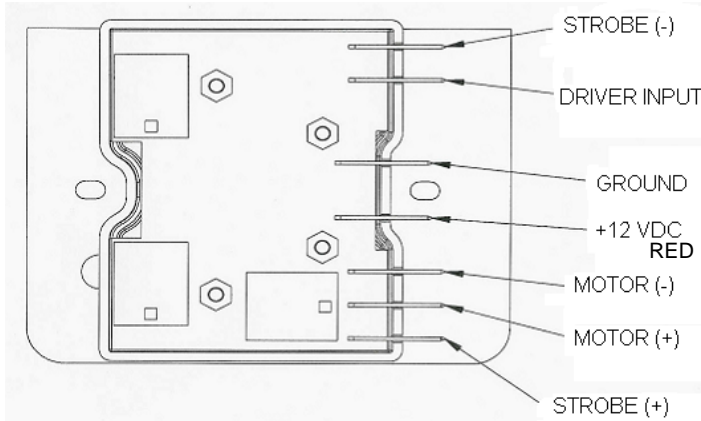


TECHNICAL BULLETIN - #A505A

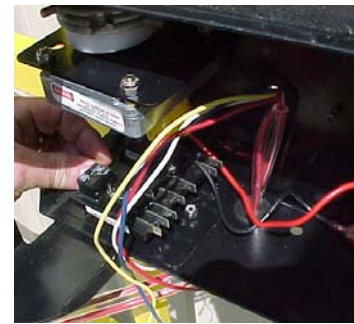
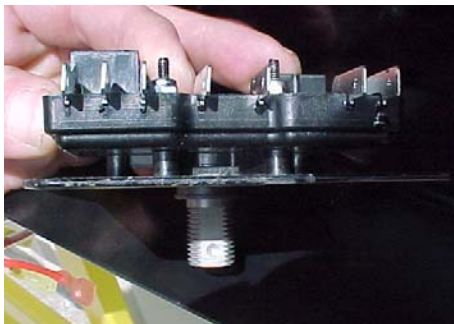
SUBJECT: SENTINEL STOP ARM MODULE INSTALLATION INSTRUCTIONS

Effective Date: 5/26/05

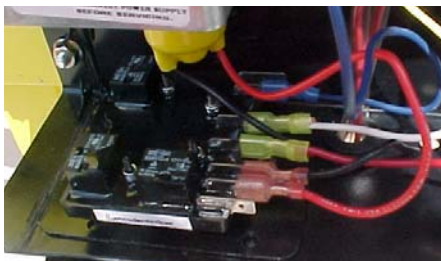
Revised Date: 8/26/05



15. Connect leads to new 005150 module tabs as shown on schematic to left. Leave two center tabs, +12VDC & GROUND, disconnected until module is fastened down in next steps. The yellow wire is no longer needed and can be tied back.



16. Install new 005150 module into position as shown above. Timing mark **MUST** be facing toward the direction of the blade. (Ex. If blade is fully extended timing mark must be turned to front of unit). Push module shaft through lower hinge hole. Fasten with (2) 11/32" hex nuts from original microswitch assy.



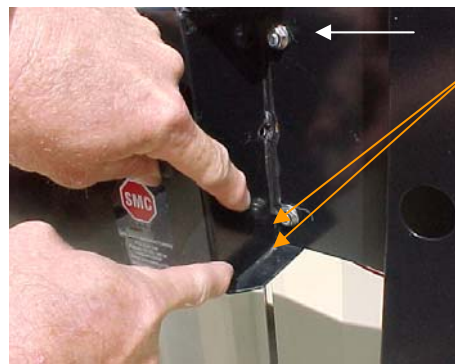
17. Connect +12VDC & GROUND per schematic.



18. Secure lower hinge to camshaft with 3/4" nut.



19. Tie wires. If unit does not have drain hole, add one.



LEAVE THIS SECTION UNSEALED

20. 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.

21. Test the stop arm assembly to make sure it functions correctly. *If further help is needed, contact the engineering department at Specialty Manufacturing.*