

Installation Guide for A/C Float Switch

Parts Required:

1. 1 - Float Switch
2. 1 - Mounting bracket
3. 4 - Wire nuts
4. 2 - 4 foot lengths of light gage (approximately 16) insulated wire

Tools Required:

1. Wire Stripper or wire snips (dykes)
2. Needle nose pliers
3. Flat tip screw driver and/or 1/4" nut driver (to remove access panels)

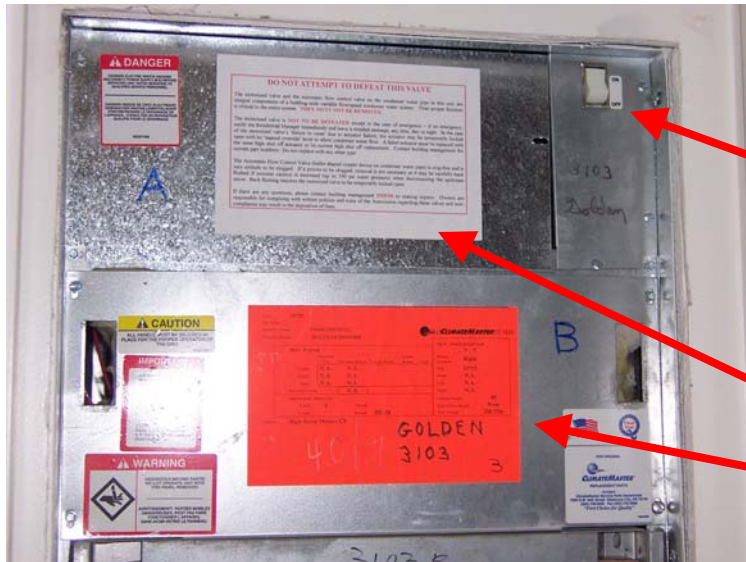
Optional Tool and Parts:

1. 1/4" nut driver or battery powered drill (to remove access panels)
2. Black electrical tape (to wrap wires and/or secure wires to cabinet)

Instructions: See attached photos

1. Lower the set temperature of the A/C unit to 70 degrees.
2. Turn off A/C unit from the Thermostat.
3. Open louvered door and/or remove gray metal cover to a/c cabinet.
4. **Turn off white rocker switch.**
5. Remove sheet metal panels A, B, and C.
6. Snip the white nylon tie bundling the wires from the white plastic nine-pin connector.
7. Locate red jumper wires sticking out of white plastic connector.
Note: Some connectors are installed facing a different direction. The correct red jumper wire has a brown wire entering the opposing pin on the connector from the bundled cable below.
8. Snip the red wire in the middle, securely hold the base of the red wire with the needle nose pliers to prevent the wire from pulling out of the connector and strip back the insulation on both ends to expose the copper wire (approximately 1/3 inch).
9. Attach one 4-foot long wire to each end of the red wire and connect with wire nut.
10. Feed the other ends of the 4-foot long wire through the pukas in the cabinet, along side of the air filter, down to the drain pan (the location of the pukas vary).
11. Look at the cork float and read the stenciled letters on the cork (NC or ON). The NC should be closest to the wires. If it is not, then,
 - a. Remove the C-clip at the base of the switch,
 - b. Turn the cork over,
 - c. Re-insert over the post,
 - d. Place the C-clip back on.

12. Remove the tag from the wires on the switch and insert the wires and switch through the puka in the bracket, then through the nut and fasten switch to bracket with nut.
13. Clip the bracket on the front edge of the drain pan as indicated. Be sure the cork float is down in the pan as shown in the photo.
14. Attach either of the switch wires to the ends of the 4-foot long wires by twisting the ends together and secure with the wire nuts.
15. Turn on white rocker switch.
16. Turn on A/C unit with the Thermostat
17. Test switch by lifting the cork with your finger, it should turn the compressor OFF.
18. Turn off white rocker switch for 15 seconds.
19. Turn on white rocker switch (the A/C unit should come back on).
20. Reinstall access panels and gray cover.
21. Reset temperature setting to desired level.



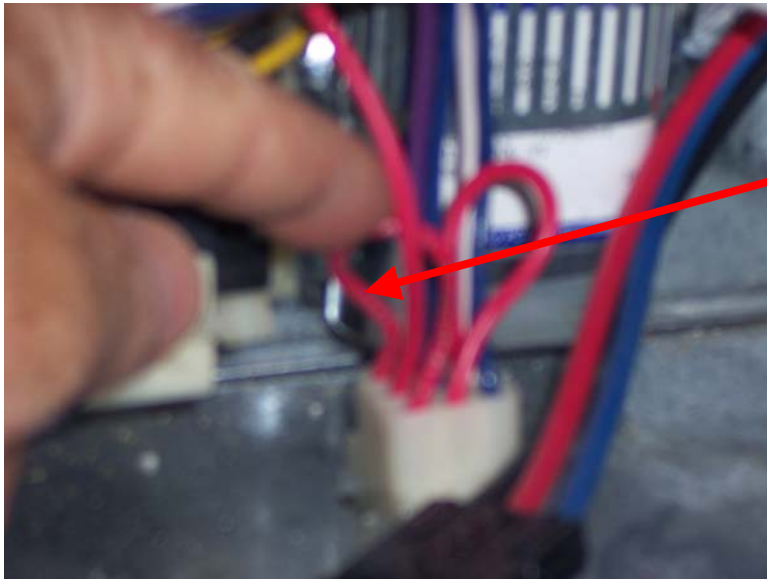
Turn off power rocker switch.

Remove panels A, B & C.

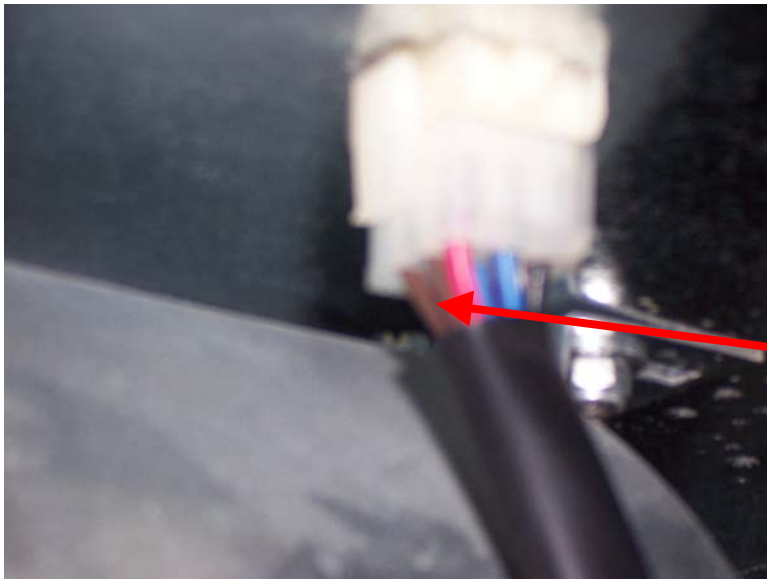
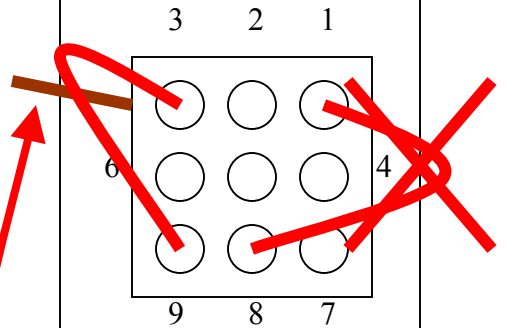
The drain pan is located behind panel C.



Snip the nylon tie that is binding the wires protruding from the white plastic nine-pin connector.

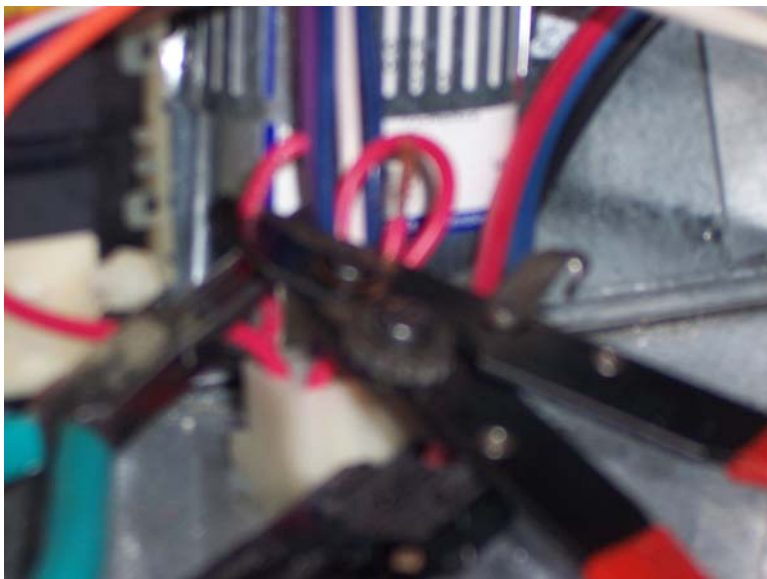


Locate red jumper wire that comes from pin hole #3 and feeds into pin hole #9 (corner to corner).



This nine-pin connector is inserted through the chassis in varying directions. So the numbering won't always be in this order.

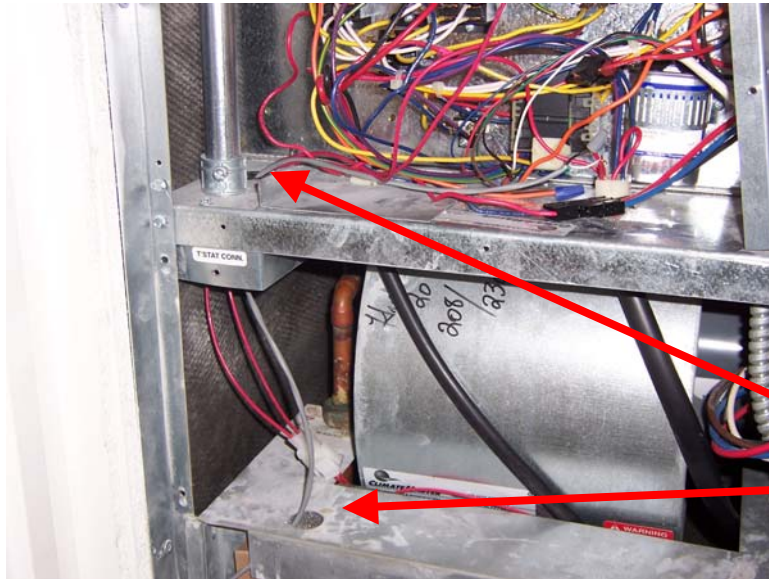
To confirm the correct red wire to cut, locate the brown wire feeding into the connector from below. It should be the same corner pin.



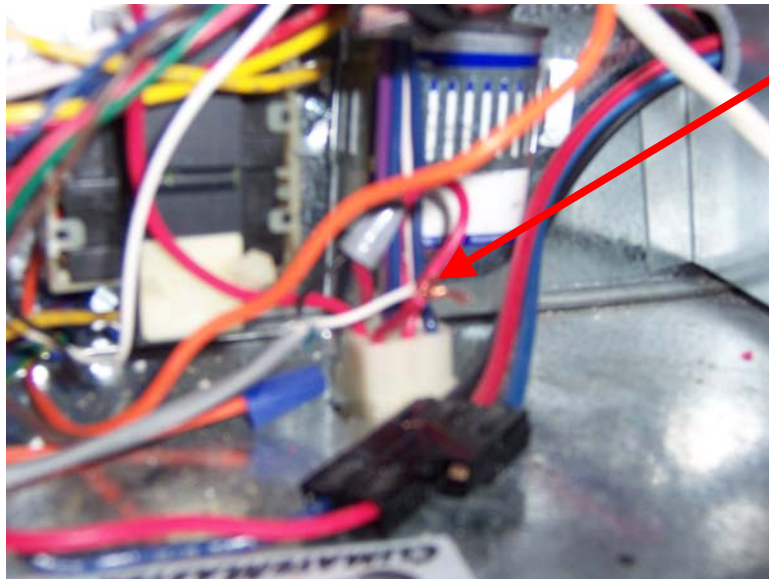
Cut the red wire and strip the ends.

Hold the wire below with needle nose pliers to prevent pulling the wire out of the connector.

This is the most difficult part of the installation.



Feed the 4-foot connecting wire up through the pukas in the chassis and cabinet and connect to the red wires using the wire nuts.



Assemble bracket and switch and clip switch to drain pan, connect switch wires to other end of 4-foot long wire using wire nuts.



Turn on power (white rocker switch) and turn on a/c from thermostat, then test switch by lifting float until the compressor turns off. If compressor turns off, turn off white rocker switch for 15 seconds, then on again.

Once operation is confirmed, tuck away wires or tape down, replace panels and relax.