

# Part Install Instructions

## Attention Please

***To avoid personal injury, disconnect power before servicing this appliance. If electrical power is required for diagnosis or test purposes, disconnect the power immediately after performing the necessary checks. RECONNECT ALL GROUNDING DEVICES If grounding wires, screws, straps, clips, nuts, or washers used to complete a path to ground are removed for service, they must be returned to their original position and properly fastened.***

***The information in this part instruction is intended for use by individuals possessing adequate backgrounds of electrical, electronic and mechanical experience. Any attempt to repair a major appliance may result in personal injury and property damage. The manufacturer or seller cannot be responsible for the interpretation of this information, nor can it assume any liability in connection with its use.***

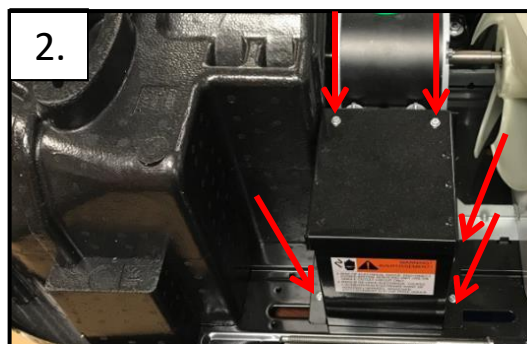
Wear proper PPE for the job (safety glasses, cut resistant gloves etc.)

Step 1 - Disconnect power at the main breaker & battery. Shutoff circuit breaker for A/C unit.

Step 2 - Remove outdoor cover screw (4x) and remove outdoor shroud cover.

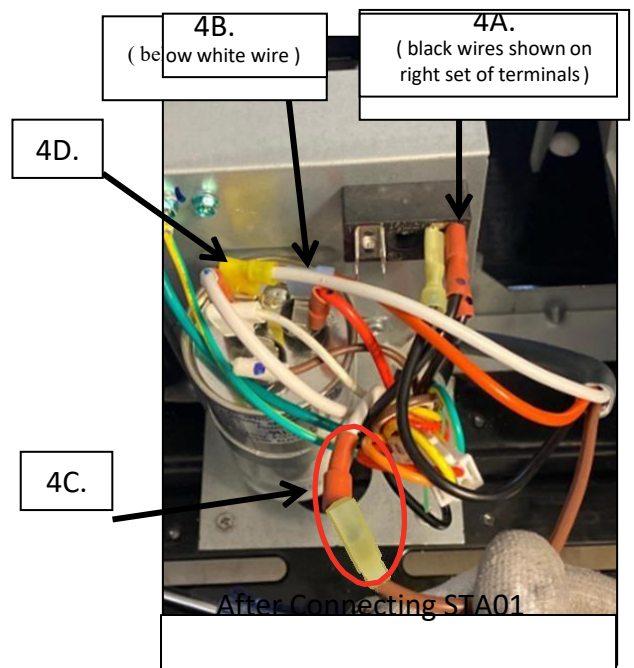
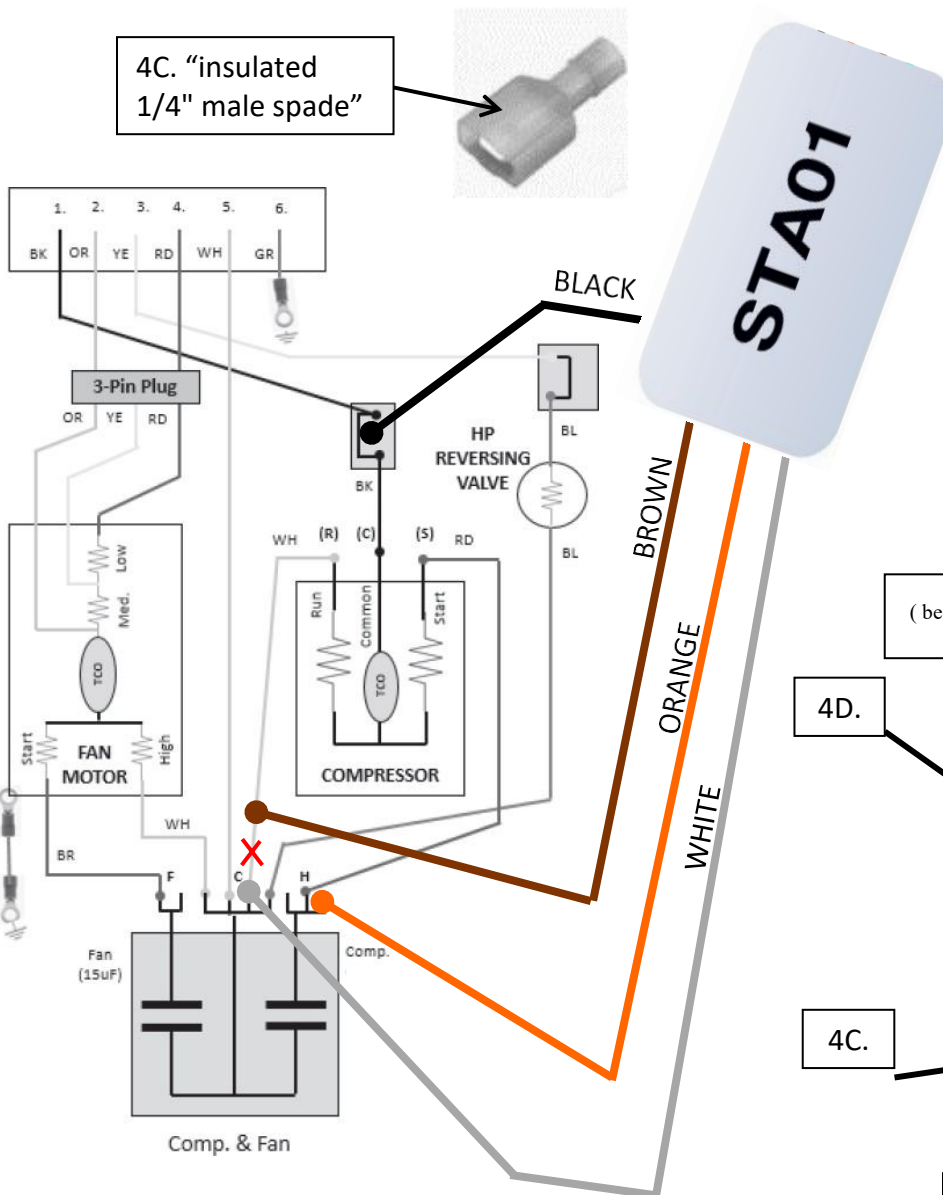
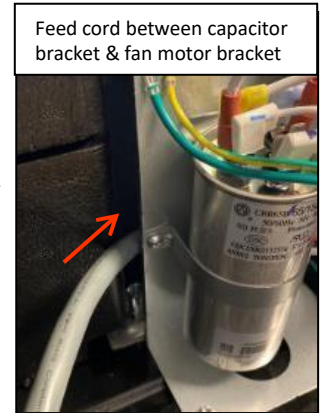


Step 3 - With power disconnected, remove the (5x) screws holding the capacitor cover. Lift off the cover. The capacitor may hold an electrical charge, discharge capacitor by placing an insulated screwdriver across the capacitor terminals.



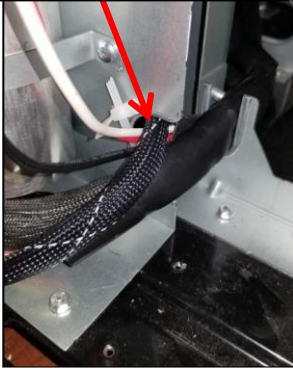
Step 4 – Crimp the appropriate spade terminals onto the STA01 system as needed and as instructed in the STA01 installation manual. Feed the STA01 cord between the capacitor bracket & fan motor bracket. Connect the Air STA01 (ASY-364-X36-UL) wires as follows:

- 4A. Connect the BLACK (STA01) wire to the 4-pin terminal block with the other BLACK wires. The BLACK wire needs a female 1/4" spade.
- 4B. Connect the ORANGE (STA01) wire to the Compressor side (H) of the Run Capacitor, next to the RED wire. The ORANGE wire needs a female 1/4" spade.
- 4C. Disconnect the WHITE (Compressor) **14awg** wire from Run Capacitor (C), & connect it inline with the BROWN (STA01) wire. The BROWN wire needs an insulated male 1/4" spade.
- 4D. Connect the WHITE (STA01) wire to the Neutral side (C) of the Run Capacitor, next to the WHITE wires. The WHITE wire needs a female 1/4" spade.

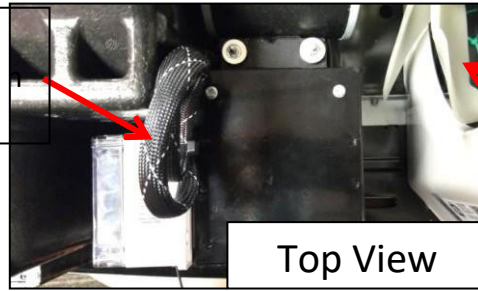


Step 5 – Route the STA01 wires around the capacitor bracket, under & between the motor bracket so that the excess wires are bundled away from the axial fan blade (see pictures below).

Route wires around the capacitor bracket, under & between the motor bracket



excess wires are bundled away from the axial fan blade



axial fan blade

Step 6 – All new connections from Step 4 must be secured inside the capacitor cover enclosure. While ensuring there are no pitched wires, replace the capacitor cover and screws (5x).



Step 7 – Mount the STA01 system to the metal capacitor enclosure with zip-ties, bundle and secure extra STA01 wiring, see photo below...



Step 8 – Replace the Outdoor Shroud Cover, Screws (4x), and restore electrical power.