Qwik**Swap**™ Installation Instructions

To replace Constant Torque ECM Blower Motors with a Permanent Split Capacitor (PSC) Motor and Variable Speed Control Board

CAUTION

To prevent death, injury, or property damage, read and follow all instructions and warnings, including labels shipped with or attached to unit.

WARNING

Improper installation, adjustment, alteration, service maintenance, or use can cause explosion, fire, electrical shock, or other conditions that could cause personal injury or property damage. For use by qualified technicians only.



Turn off power.

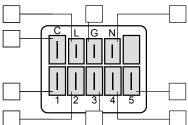


Verify that you have a Constant Torque Blower motor such as an X13[®] or SelecTech[®] Constant Torque ECM motor.

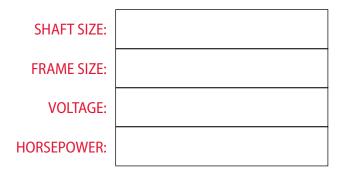


Note the terminal location and corresponding color of each wire that **connects to the blower motor.** A reference diagram is shown below for convenience.

Disconnect these wires from the motor (if they are part of a molded plug, simply unplug it).

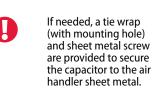


Remove the old blower motor and note the shaft size, frame size (typically 48Y) operating voltage, and motor horsepower.





Install a new Permanent Split Capacitor (PSC) Blower motor with the specifications **noted in Step 4** (ideally a 3 speed tap motor should be used). Properly ground the motor and install the capacitor in a location that protects the terminals from a short circuit or ground fault.





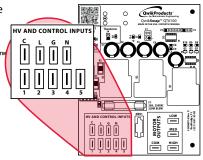
Identify a good mounting location with sufficient clearance.

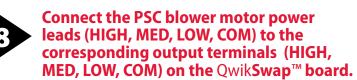
Use the supplied self-drilling sheet metal screws to attach the mounting bracket.



were removed from the old motor onto the matching terminals of the OwikSwap™ **board.** Refer to the wiring diagram created in Step 3 for proper connection locations.

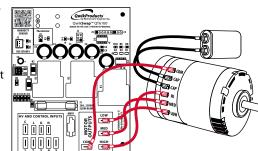








leads do not have insulated terminals, four insulated 1/4 inch female quick disconnect terminals have been provided to connect the PSC nower leads to the Qwik**Swap**™



If the new PSC blower motor has quick disconnect terminals instead of wires, you will have to fabricate the four wires (Minimum 14 gauge) with quick disconnect terminals at each end to connect the High, Medium, Low and Common connections from the Qwik**Swap**™ to the PSC motor. Eight insulated 1/4 inch female guick disconnect terminals have been

If the new blower motor has more than three speeds, use the highest, lowest and one of the mid-range speeds.

If the new blower motor only has two speed taps, jumper the low- and medium-speed quick disconnect connectors on the Qwik**Swap**™ board together and connect them to the low speed tap on the motor.

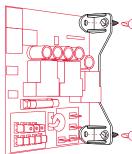
WARNING: Do not jumper the motor windings.



Attach the QwikSwap™ board to its mounting bracket.

Secure the Qwik**Swap**[™] to the bracket using the supplied plastic clips.

Press the clips through the bracket holes until the clips snap in place.





Route the thermistor wire to the evaporator, and using the supplied loop clamp, attach the thermistor to any return bend near the coil inlet. Secure the clamp using the supplied plastic ratchet rivet.

For furnace systems, route the thermistor wire outside of the ignition chamber by drilling a 5/16" hole and using the supplied grommets.





When using the optional OT6001 humidity sensor, connect the sensor following the QT6001 installation instructions.





Using the supplied tie wraps, bundle any excess wires to avoid interference with the



Reconnect power.



Need Help?...

- Call 1-321-631-3550
- View an online video installation tutorial at www.qwik.com/qwikswap/
- Scan this code..... with your smartphone.
- Chat online with "Live Help" at our website.



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