

Qwik SEER Plus WattSaver Blower Motor Speed Control Instruction Manual

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QwikSEER+ WattSaver® Installation Instructions

for 90VAC to 240VAC (1-phase) Permanent-split Capacitor (PSC) Motors Only /16A Maximum FLA

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Qwik SEER Plus WattSaver Blower Motor Speed Control

WARNING

This product is only intended for use with PSC blower motors. Do not use any type of logic-controlled or speed-modulating blower motors (PCM, ECM, variable-speed, etc.). If installed to any such system, immediate and irreversible damage could result.

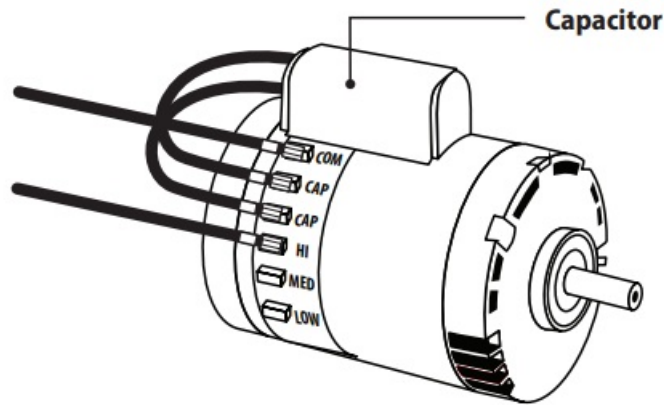
CAUTION

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

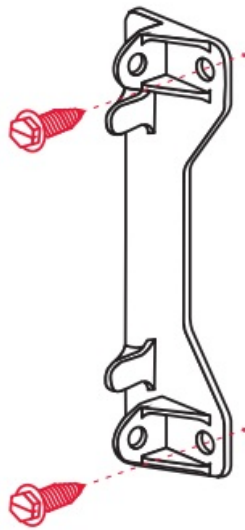
WARNING

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

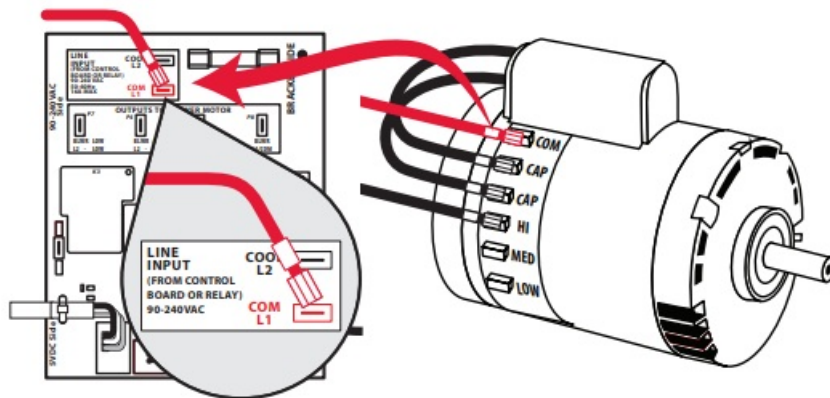
1. Verify a PSC blower motor is used.



2. Disconnect the power load.
3. Identify a good mounting location with sufficient clearance. Use the supplied self-drilling sheet metal screws to attach the mounting bracket.

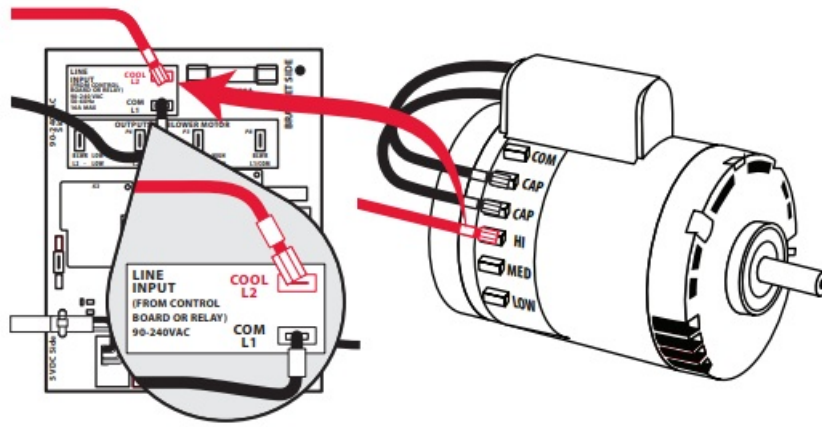


4. Move the common wire from the blower motor to the COM L1 terminal on the QwikSEER+ board.



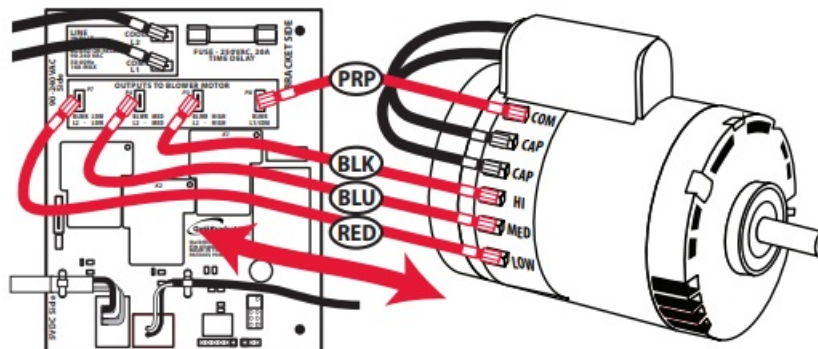
If the blower motor uses wires rather than spade terminals, use the supplied spade terminals to attach the wire to the QwikSEER+ board. Be sure to support the board when connecting wires to the terminals.

5. Move the remaining power lead from the blower motor to the COOL L2 terminal on the QwikSEER+ board.



If the blower motor uses wires rather than spade terminals, use the supplied spade terminals to attach the wire to the QwikSEER+ board. If there are separate wires for heat and cool modes, only move the cool mode wire.

6. Using the wires supplied, connect the output terminals on the QwikSEER+ board to the corresponding common and speed terminals on the blower motor.



If the blower motor uses wires rather than spade terminals, use the supplied wire nuts to splice the supplied wires to the blower wires.

If there is a separate heat mode wire, use the supplied terminal splitter or wire nut to connect both the QwikSEER+ output wire and heat mode fan-speed wire.

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

If the motor has two speeds, connect both the medium- and low-speed wires from the QwikSEER+ board to the low-speed tap.



WARNING: Do Not Jump the Motor Windings!

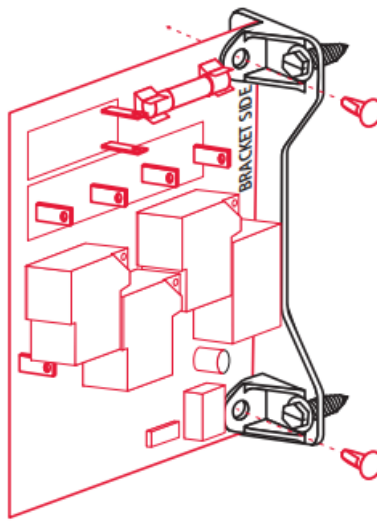
7. Attach the QwikSEER+ board to its mounting bracket.



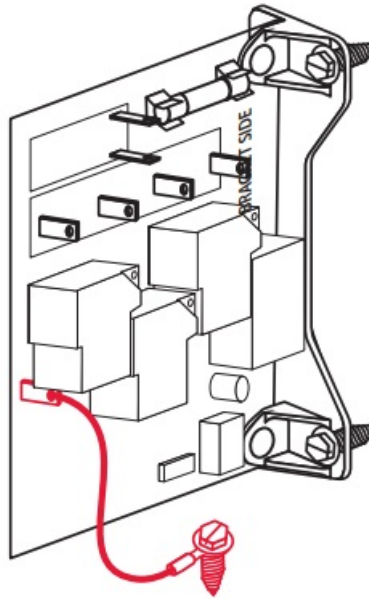
Align the QwikSEER+ board so that the side labeled BRACKET SIDE is adjacent to the bracket.

Secure the QwikSEER+ to the bracket using the supplied plastic clips.

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



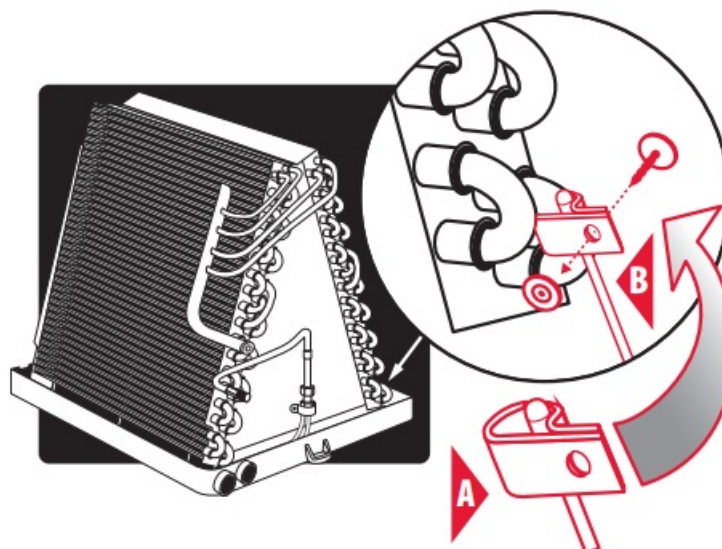
8. Using the ground wire and screw supplied, connect the GND terminal to a suitable chassis ground.



9. Attach the thermistor to an evaporator return bend near the coil inlet.

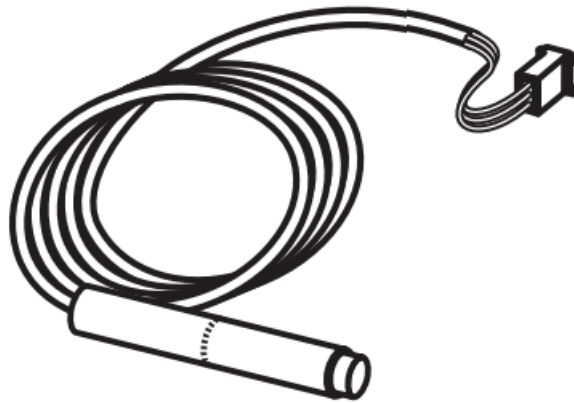


Route the thermistor wire to the evaporator, and using the supplied loop clamp, attach the thermistor to any return bend near the coil inlet. Secure the clamp using the supplied plastic ratchet rivet. For furnace systems, route the thermistor wire outside of the ignition chamber by drilling a 5/16" hole and using the supplied grommets.



10. If equipped with the QT6001 QwikSEER+ humidity sensor, connect the sensor following the QT6001

installation instructions.



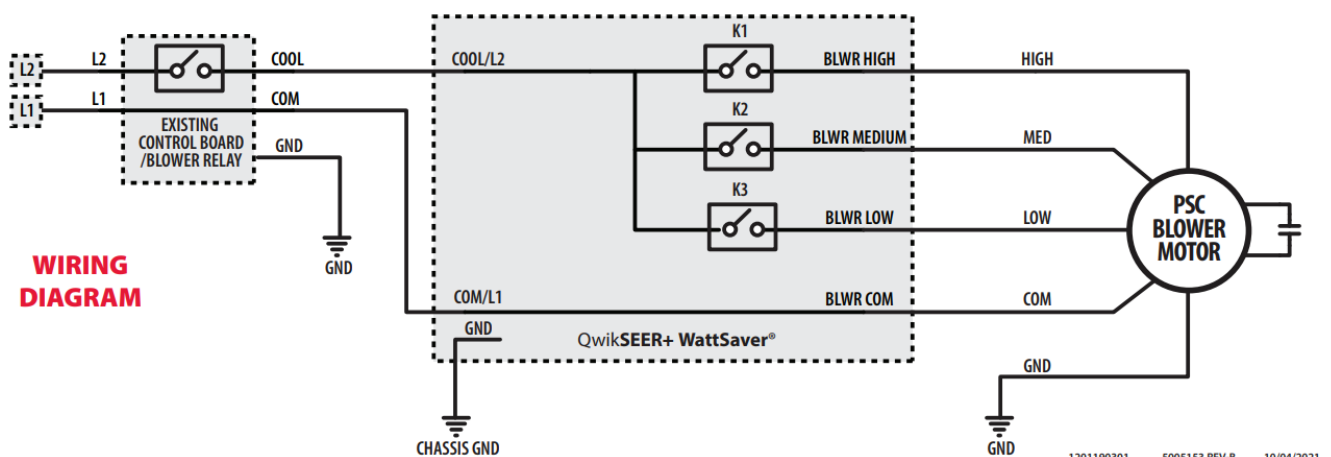
11. Using the supplied tie wraps, bundle any excess wires to avoid interference with the blower.
12. Reconnect power.

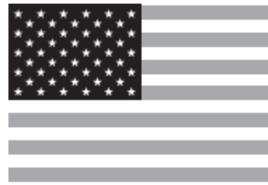
Need Help?...

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



<http://www.qwik.com/qwikseer/?ref=5005153>
www.qwik.com/qwikseer/





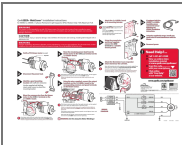
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Qwik SEER Plus WattSaver, Blower Motor Speed Control, Qwik SEER Plus WattSaver Blower
Motor Speed Control, Motor Speed Control, Speed Control

References

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