

Installation Instructions for Printed Circuit Board AO6 (upgrade)

Replaces A05 PCB in Comfort Zone Heater with Scroll Fans

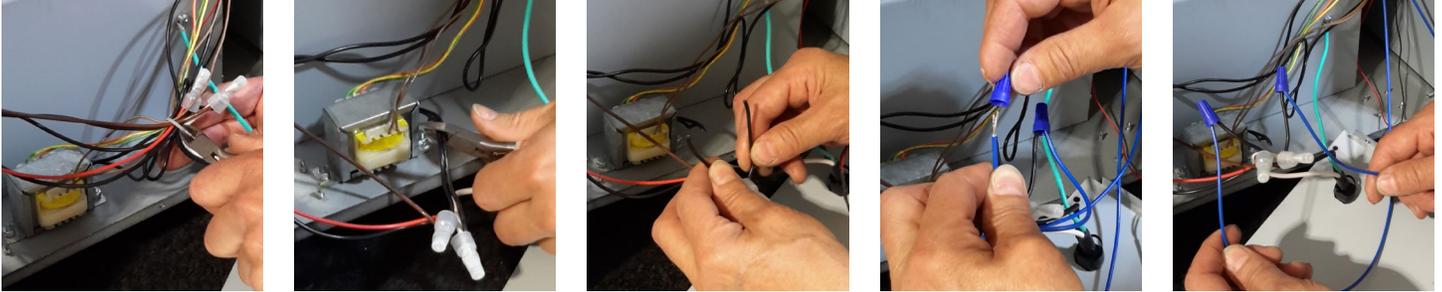
Note: The new board you received does not require a transformer, so this procedure helps you install the new PC board and disconnect the transformer.

1. With the unit unplugged from the wall outlet; prepare the unit for board replacement by removing both sides and the rear panel of the heater for easy access. If the unit is in a wooden case, remove the four (4) screws from the bottom of the case (beside the casters) and pull the unit out of the case from the back. When removing the rear panel, remove the thermostat wires (red and black wires shrink wrapped with a diode) sitting in the metal channel and covered with the “temp sensor” grid. The sensor cover can be removed by pressing either side of the grid to release it from the metal bracket. Push the thermostat wires back in toward the unit so that you can take the back completely off the heater.

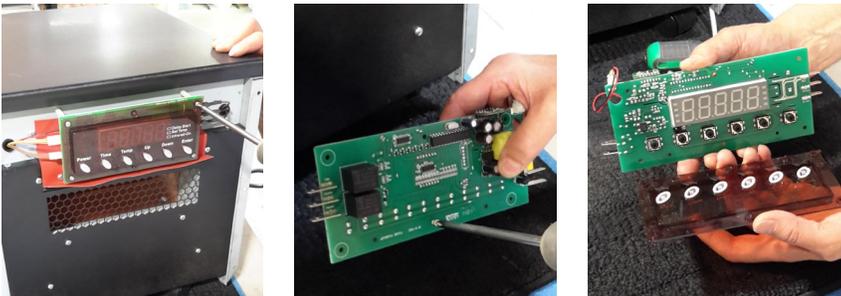


2. Disconnect the wires on the old board that go to the transformer.

3. Next, cut the black wires on the transformer to the power cord. Leave at least 3 inches of the black wires that run from the transformer to the power cord (or terminal block on some models). These wires will be used to connect the new PC board directly to the power cord. Connect the two wires in the kit for the new PC Board to the two wires from the old transformer that run to the power cord (or terminal block on some models). Use the twist connectors supplied with the board to connect the wires. You can tie all the old transformer wires up and lay them down at the bottom inside the heater or cut them off, or remove the transformer completely, your call.



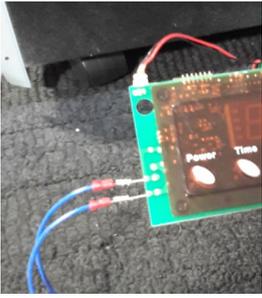
4. Remove the screws holding the old PC board to the heater. Remove the two screws on the back side of the old PC Board to remove the front display panel and buttons. Install the display panel onto the new board and attach the new board onto the heater.



5. Now, remove the wires, one at a time from the right side of the old board and attach them to the new board in exactly the same order as they were on the old board.



6. On the left side of the new board, attach the two wires supplied in the kit to the 2 connectors on the PC Board. Run the wires to the back of the heater on the same path as the original wires from the transformer.



7. Reinstall the rear metal panel being careful to place the new thermostat sensor through the hole in the panel.



8. Next, reattach the plastic body panels and front cover. Guide the thermostat sensor through the hole in the plastic back panel and attach the sensor cover.



9. If you are sliding the heater back into a wood case, make sure that none of the wires on the new PC Board get pinched.