

# Instructions for Replacing Power Humidifier Circuit Board

**WARNING! 120 volts may cause serious injury from electrical shock.**  
**Unplug humidifier power cord before servicing.**

Tools required: Phillips screwdriver  
Needle-nosed pliers

Refer to Figures 1 and 2 for component names and locations

1. Unplug humidifier power cord.
2. Remove cover and place it on a flat work surface, fan blade facing up.
3. Push receptacle out from orifice plate by pressing side tabs in.
4. Use Phillips screw driver to remove four screws that hold orifice plate and bridge assembly into cover. Set screws aside for use later.
5. Lift orifice plate out from bridge assembly and then lift the bridge assembly out from the cover. (Note: The bridge assembly is the bridge and all the components attached to it such as the fan motor and blade, circuit board, etc.) Place the bridge assembly on a flat surface, fan blade facing down.
6. Use needle nose pliers to disconnect power cord terminals and fan terminals from old circuit board (see Figure 2). **CAUTION:** Do not pull on wires directly. Instead, use the pliers to grab the terminals when removing from circuit board.
7. On older design circuit boards, the yellow solenoid terminals and the brown humidistat terminals are to be disconnected from circuit board using needle nose pliers. Remove old wiring harness by pulling through the hole in the bridge. Discard old wiring harness. (Note: This step is not applicable to newer design circuit boards because the wires are permanently fastened to the circuit boards.)
8. Use Phillips screw driver to remove two screws that go through the transformer to hold circuit board on to bridge assembly.
9. Lift old circuit board off bridge assembly. Discard old circuit board.
10. Place the replacement circuit board onto bridge assembly and re-attach using two screws from Step 8.
11. Connect the black and white power cord terminals and black fan terminals to the replacement circuit board. (Note: Terminals are labeled on circuit board.)
12. Connect replacement wiring harness to replacement circuit board. (Note: for older style bridges, the yellow and brown terminals and wires are fed through a hole in the bridge. On newer style bridges, there is a notch in the bridge to accommodate the yellow and brown wires.) Yellow wires connect to solenoid terminals; brown wires to humidistat terminals.
13. With fan blade facing up, place bridge assembly back into cover. Make certain power cord is lined up with slot in cover. (Refer to Figure 1.) On newer style units with the notch in the bridge, make certain the yellow and brown wires are inside the notch and not pinched between bridge assembly and cover.
14. Re-attach orifice plate to bridge assembly in the orientation shown in Figure 1. Use the four screws removed in Step 4.
15. Attach receptacle to bridge assembly. Match shape of receptacle to opening in bridge assembly for correct orientation. The part should snap into place.
16. Return cover to humidifier base.
17. Plug power cord back into outlet. Check operation. See humidifier manual for details regarding humidifier operation and troubleshooting.

