

⚠ WARNING

- 120-Volts can cause serious injury or death. Unplug the dehumidifier before servicing.

⚠ CAUTION

- Failure to follow installation instructions can result in damage to the dehumidifier. Service is to be performed only by qualified HVAC contractors and technicians.

REMOVE THE EXISTING BOARD

- TURN THE ON/OFF SWITCH OFF, ROTATE THE CONTROL KNOB TO OFF AND UNPLUG THE UNIT BEFORE SERVICING. LEAVE UNPLUGGED UNTIL REPLACEMENT IS COMPLETE.**
- Remove the filter door and side panel from the right side of the unit (power switch is to the left when viewing the right side of the unit – see **Figure 1**). Set both aside.
- Disconnect the 120-volt connections from the power board (see **Figure 2**). Use a pliers to remove the quick disconnect terminals straight out. If terminals must be “wiggled” to remove, use as little side to side movement as possible – too much wiggling can cause the terminal to pull out of the board.
- Remove the two screws securing the power board mounting bracket to the dehumidifier.
- Disconnect the ribbon cable.
- Models 1710A, 1750A & 1770A only** – Remove the two (2) black limit switch leads and the daughter board from the power board – it will be reinstalled on the replacement power board (see **Figure 3**).
- Remove the remaining screws securing the power board to the mounting bracket.

Installer Note: There is a plastic spacer between the board and mounting bracket secured by the large center mounting screw – this must be reused to mount the replacement board.

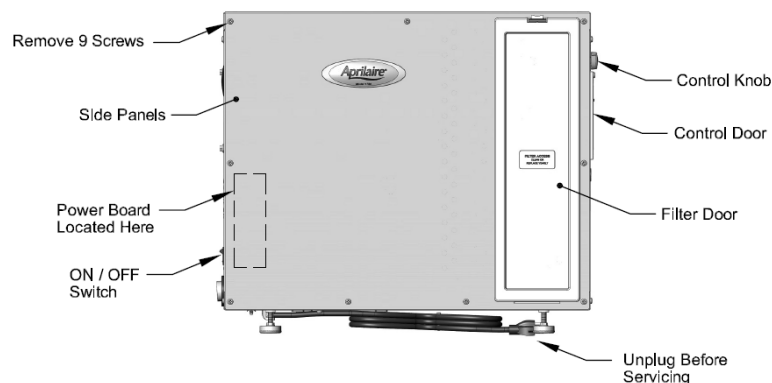


Figure 1- Right Side View

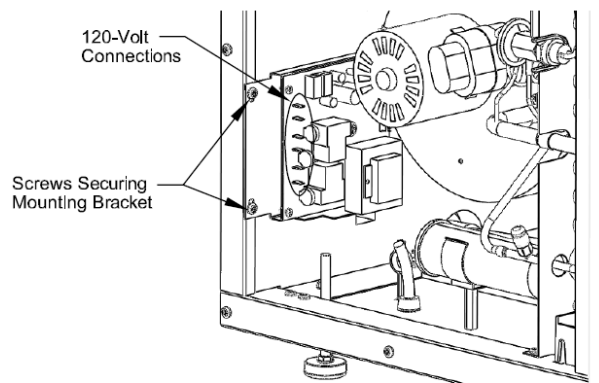


Figure 2 - Power Board Installed in Dehumidifier

INSTALL THE NEW POWER BOARD

- Secure the replacement board to the mounting bracket using three (3) smaller screws and one large center screw.

Important: Install the white spacer between the board and mounting bracket when installing the large center screw.

- Models 1710A, 1750A & 1770A only** – Align the daughter board socket with the pins on the power board and secure the daughter board with the remaining small mounting screw.

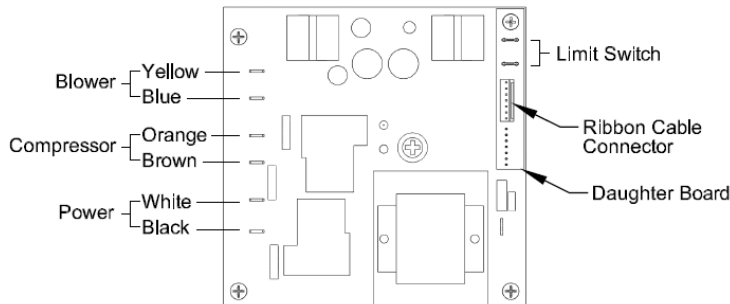


Figure 3 - Power Board Connections

3. **Models 1710A, 1750A & 1770A only** – Reconnect the two (2) black limit switch leads.
4. Reconnect the ribbon cable. The ribbon cable must be properly oriented with the pin header.
5. Secure the power board mounting bracket to the dehumidifier using two (2) screws.
6. Reconnect the power, blower and compressor wires to the power board. Ensure that the quick connect terminals are fully engaged.

IMPORTANT: The power, blower and compressor wires are color coded, make sure the proper colored wire is attached to the terminal with the corresponding color label.

7. Install the side panel and filter door.

TEST THE DEHUMIDIFIER

1. Plug in the dehumidifier and turn the ON/OFF switch ON.
2. Rotate the control knob to TEST.
3. The blower will turn on after a few seconds and the green Status light will flash. Three minutes after the blower turns on, the compressor will start and the Status light will be on continuously – allow the compressor to run for a few minutes.
4. Adjust the control to the desired setting.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Blower does not turn on and Status LED does not flash	No power at outlet	Check the fuse/circuit breaker serving the outlet into which the dehumidifier is plugged
	Control not in Test mode	Rotate the knob to OFF then back to Test mode – rotate until you hit the stop
	Control is not powered	Check the ribbon cable connection at the power board and control board. Remove the Control Knob and the screw securing the Control Door to view the ribbon cable connection on the control board
LED flashes but blower does not turn on.	Blower wire(s) not connected on power board	Check that the yellow and blue wires are connected to the terminals labeled “NTRL. YEL.” and “FAN BLU.” terminals on the power board
Compressor does not start and Status LED continues to flash	Three minute sampling period has not expired	Wait for three (3) minutes after the blower has started
Compressor does not start and Status LED is lit continuously	Compressor wire(s) not connected on power board	Check that the orange and brown wires are connected to the terminals labeled “NTRL. ORG.” and “COMPR, BRN.” terminals on the power board.
	Black leads not connected on daughter board	Ensure that both leads are securely connected to the terminals on the daughter board.
Compressor does not turn off when control is adjusted out of TEST and Status LED remains on	Compressor stays on for a 6-minute minimum on time	Wait for 6 minutes.