

AprilAire[®]

Dehumidifier

⚠ WARNING

ELECTRICAL SHOCK HAZARD: Wire harness replacement to be performed by a qualified individual.

BEFORE STARTING INSTALLATION

1. At the user interface, select the ON/OFF button and switch to **OFF** mode.

NOTE: If the display backlight is not on, the first button press (any button) will only turn the backlight on. Press the button a second time to achieve the desired function.

2. Unplug the dehumidifier or turn off power to the circuit at the breaker or fuse.

CARTON CONTENTS

- Primary harness assembly with transformer
- Black jumper wire

TOOLS REQUIRED

- #20 Torx Bit (T20) and drill/driver

INSTALLATION

STEP 1: ACCESSING THE ELECTRICAL BOX

1. On the drain side of the dehumidifier, remove (11) access panel screws. Carefully remove the access panel and the white EPS insulation panel.
2. Remove (1) screw from the electrical box cover and set the electrical box cover to the side.

STEP 2: DISCONNECTING THE WIRE HARNESS ASSEMBLY (SEE FIGURE 1)

1. Disconnect the two **LINE** and two **NTRL** labeled PCBA connectors that are part of the harness assembly.
2. Remove (2) screws securing the transformer to the electrical box.
3. Disconnect incoming power from the lever nut by lifting up on the lever.
4. Remove the harness assembly.

NOTE: If your dehumidifier does not have an ON/OFF toggle switch near the power cord, proceed to **STEP 4**. The black jumper wire is not used on your model and can be discarded.

INSTALLATION INSTRUCTIONS

Service Kits 5884 & 5888

Replacement Wiring Harness

STEP 3: INSTALLING THE BLACK JUMPER WIRE (SELECT MODELS)

1. On the replacement wire harness, find a non-populated location of your 222 series lever nut connector with black wire leads (see **FIGURE 1**). Lift up on the orange lever and insert the stripped end of the black jumper wire fully into the connector (there should not be any bare wire showing).
2. Close the lever to secure the jumper. A light tug on the wire will ensure the fit is secure.
3. The quick connect fitting of the black jumper wire attaches to the open terminal of the ON/OFF toggle switch.

STEP 4: INSTALLING THE REPLACEMENT WIRE HARNESS ASSEMBLY

1. Secure the 24 VAC transformer to the electrical box with the two T20 screws.
2. Ensure all lever nut connectors are closed and secure. A light tug on the wire will ensure the fit is secure. There should be no bare wire showing.
3. Attach the PCBA connectors to the proper locations on the circuit board (labeled **BLK** = Black, and **WHT** = White). The connectors are secured by a snap fit when fully inserted.
4. Reinstall the electrical box cover.
5. Install the EPS insulation panel by hooking the bottom edge into the drain pan and installing flush with the side panel.
6. Attach the side access panel with (11) screws.
7. Restore power to the dehumidifier.

FIGURE 1: WIRE HARNESS AND TRANSFORMER

