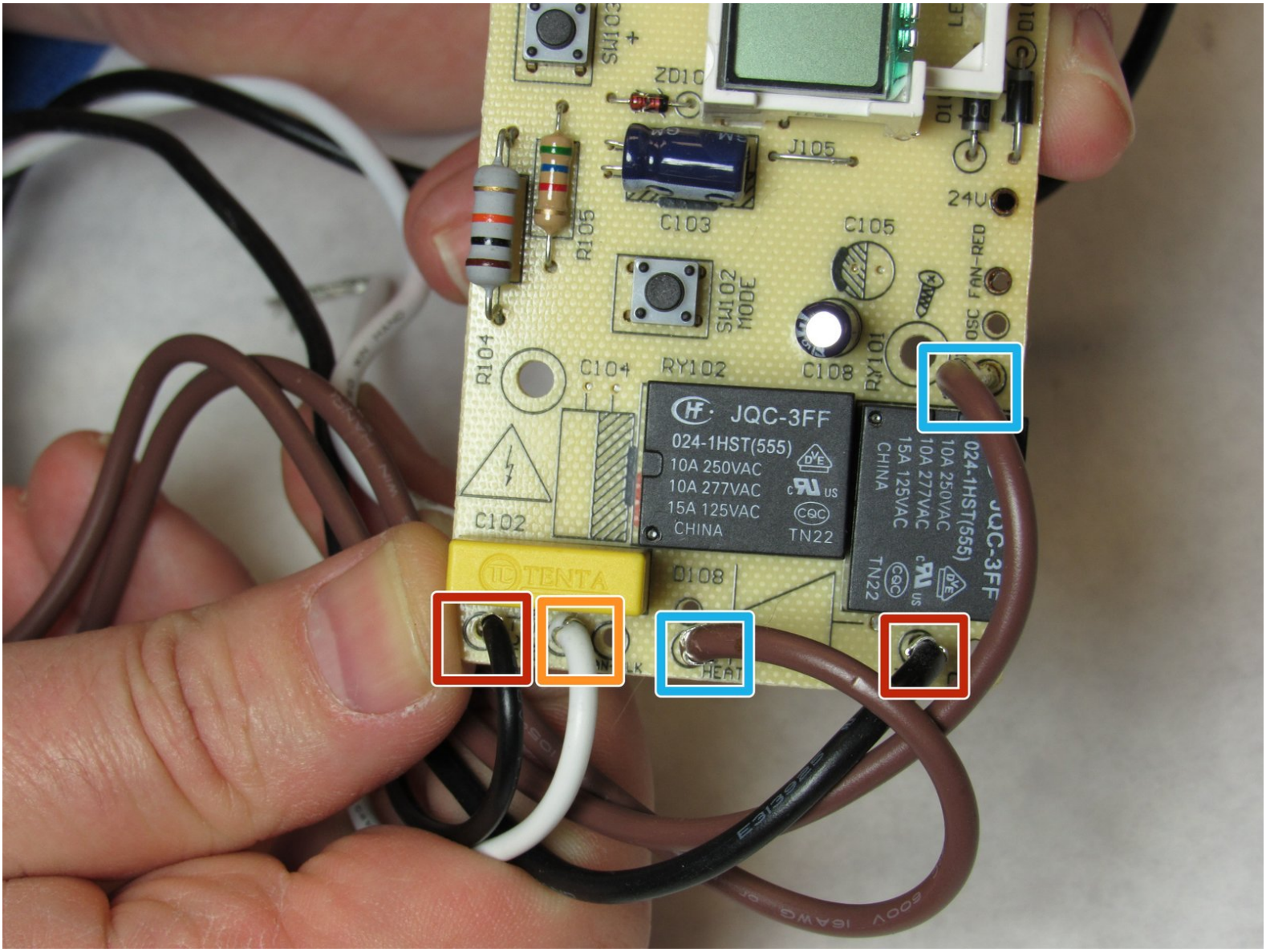
Holmes HEH8031 Circuit Board Replacement

Repair or replace your Holmes HEH8031 heater circuit board.

Written By: Chris Shaffer



INTRODUCTION

Repair or replace your Holmes HEH8031 heater circuit board.

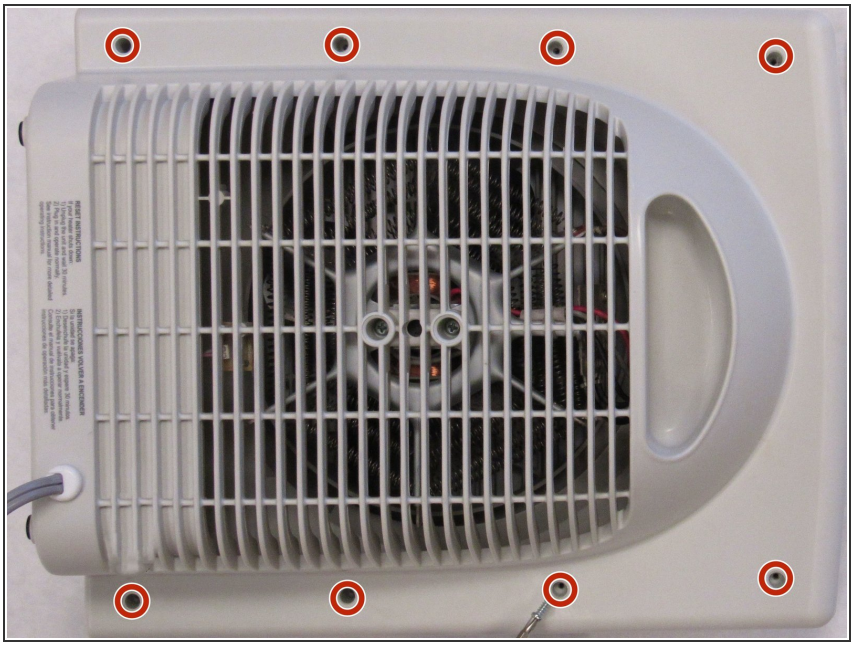
TOOLS:

- Soldering Iron (1)
- Desoldering Braid (1)
- Phillips #2 Screwdriver (1)

Step 1 — Housing

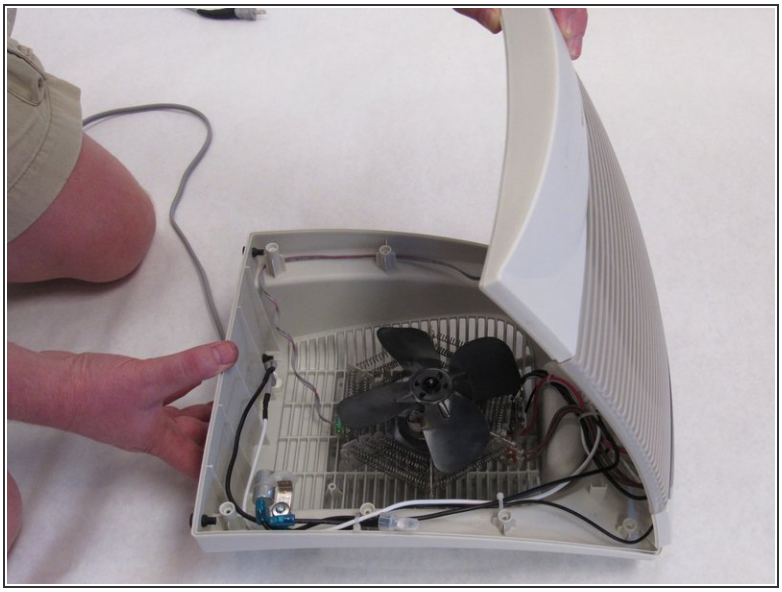
- Ensure the device is unplugged from the wall outlet.

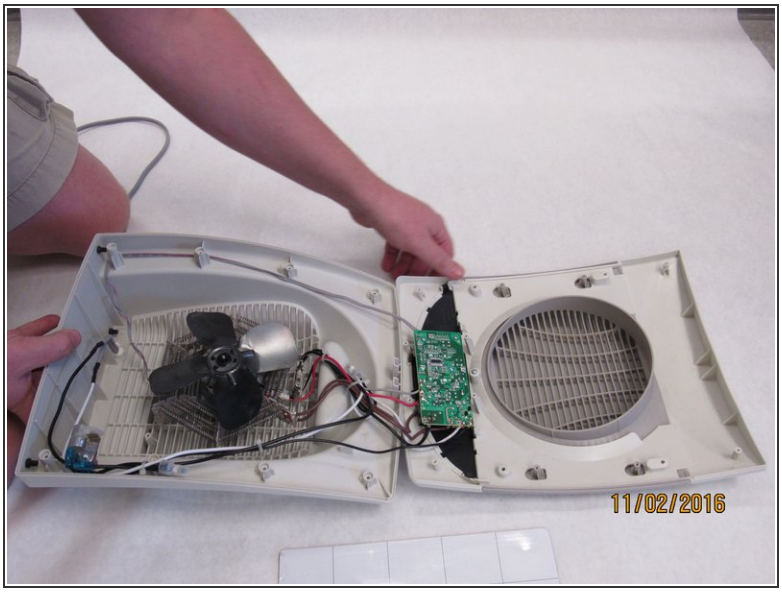
Step 2



- Remove eight 12-mm Phillips #2 screws from the back cover.

Step 3

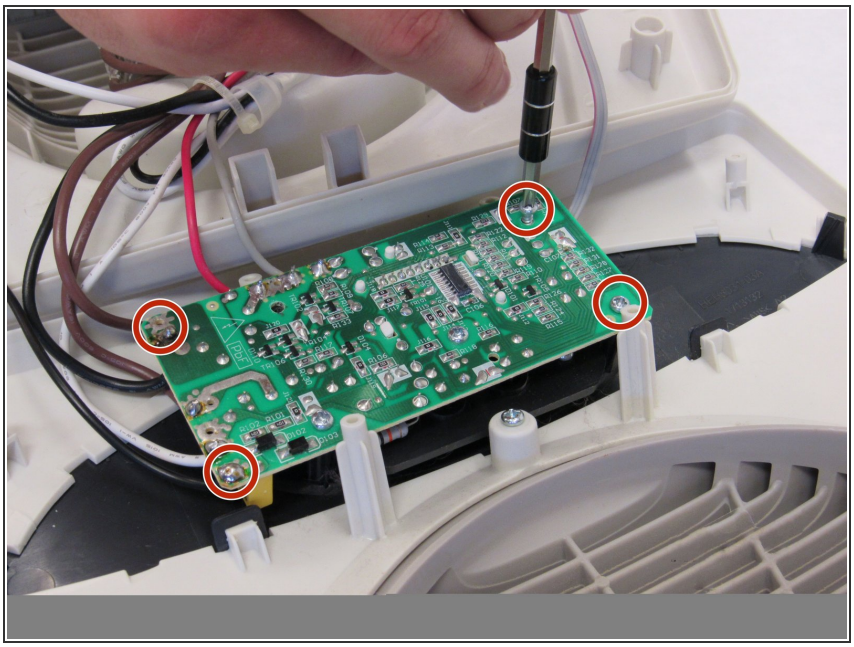




- Turn heater over so the controls are facing up.
- Lift the front housing away from the back of the fan and slowly fold the front housing back down to the floor.

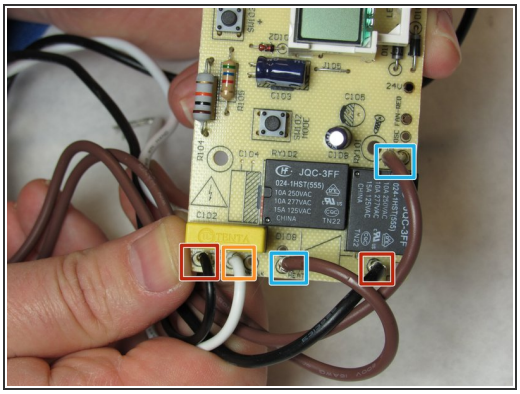
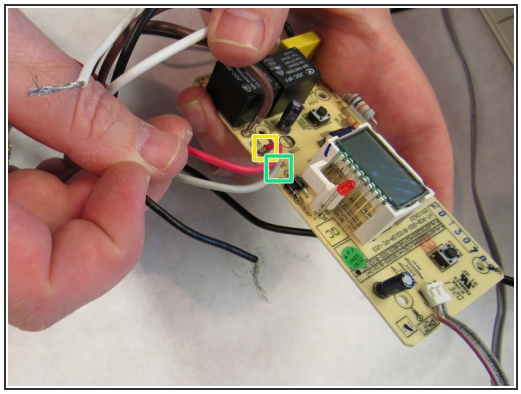
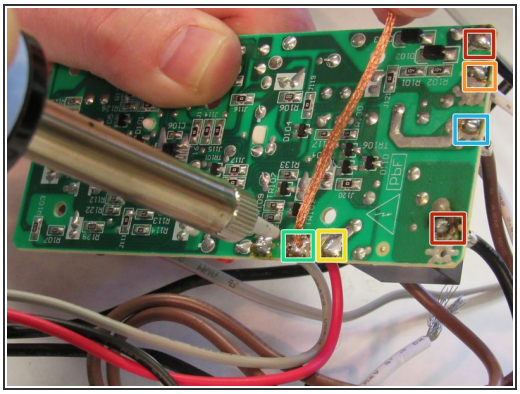
Internal wires are connected to both halves of the housing. Be careful when separating the housing.

Step 4 — Circuit Board Removal



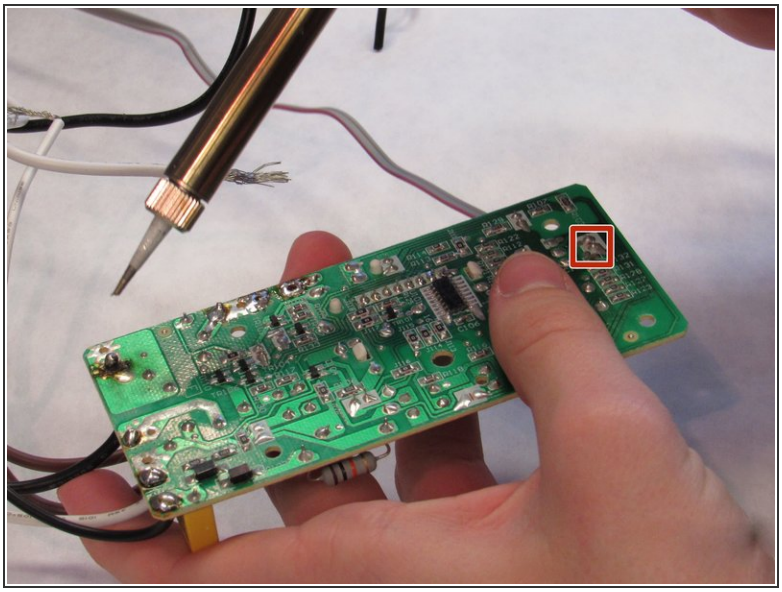
- Remove four 12mm Phillips #2 screws from the circuit board.

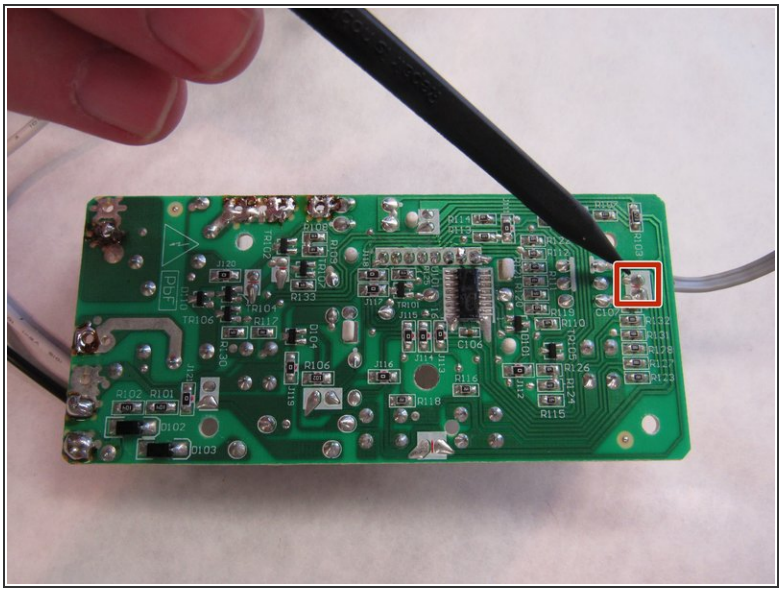
Step 5 — Circuit Board

- Desolder the BLACK wires from the "AC-L" point and "T/S" point.
  - Learn how to solder and desolder connections here!
- Desolder the WHITE wire from the "AC-N" point.
- Desolder the RED wire from the "FAN-RED".
- Desolder the GREY wire from the "24V" point.
- Desolder the BROWN wires from "HEAT1," and "HEAT2" points.
  - Be sure to use desoldering wick when you remove the wire connections.

Step 6





- Desolder the WHITE connector (attached to the GRAY wire coming of the thermostat) from the "NTC101" point.

To reassemble your device, follow these instructions in reverse order.

