

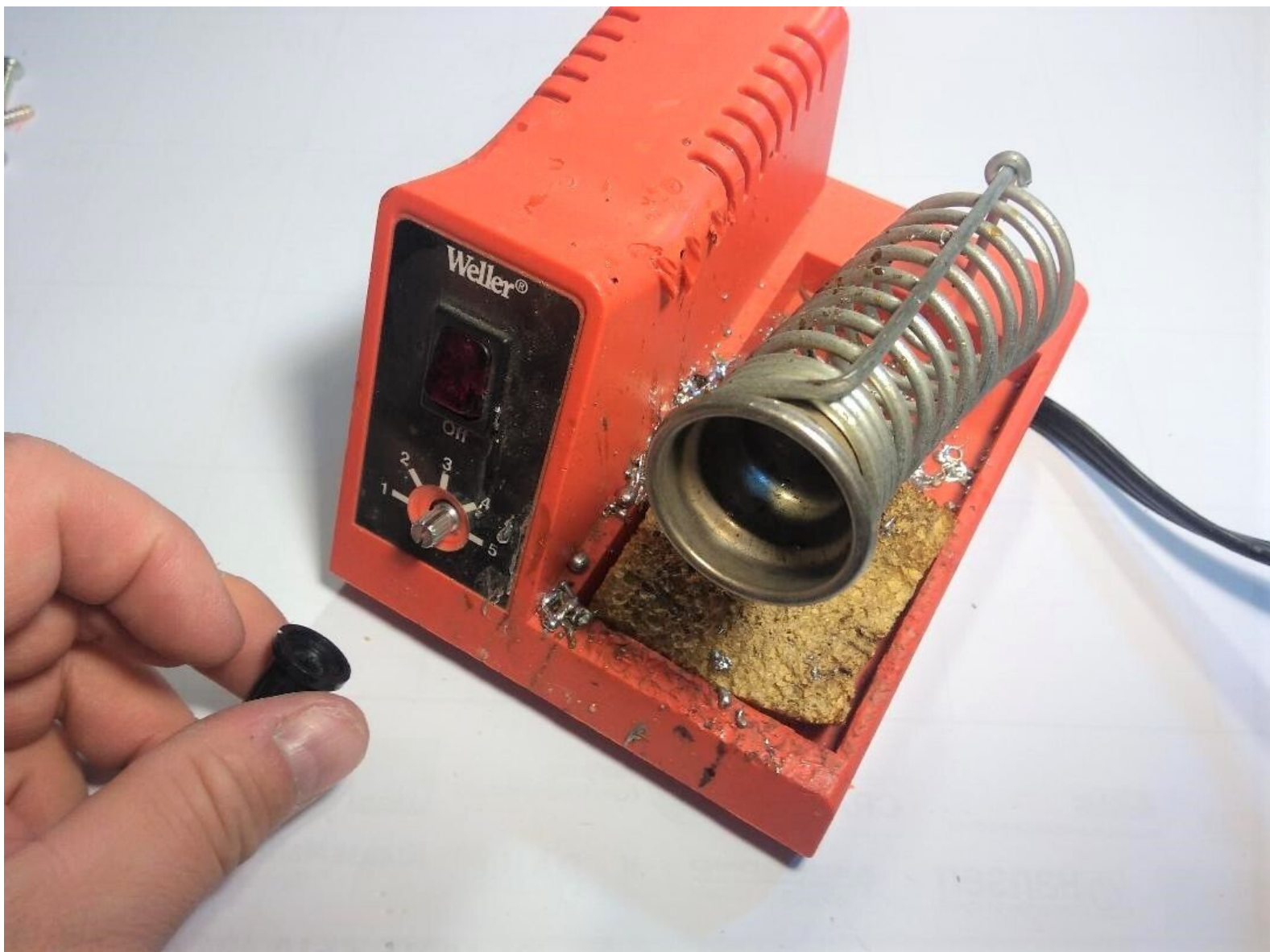


Weller WLC100 Soldering Station NTW56058

TRIAC 16amp switch Replacement

Repairing a Weller WLC100 Soldering Station adjustable heating dial by replacing the NTW56058 TRIAC 16amp switch.

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INTRODUCTION

The Weller WLC100 soldering station adjustable heat dial often goes bad because of a failure of the TRIAC switch on the adjustable heat board. To fix the adjustable heat dial we can replace this inexpensive switch. We will need to use the existing Weller iron to de-solder the TRIAC switch and re-solder in the new switch. However, if you own a Weller you most likely have experience using soldering irons, and this process presents little opportunity for injury. This repair should take less than two hours depending on skill set. There is always a possibility of being burned when using a soldering iron. Care must be used when handling hot soldering irons.



TOOLS:

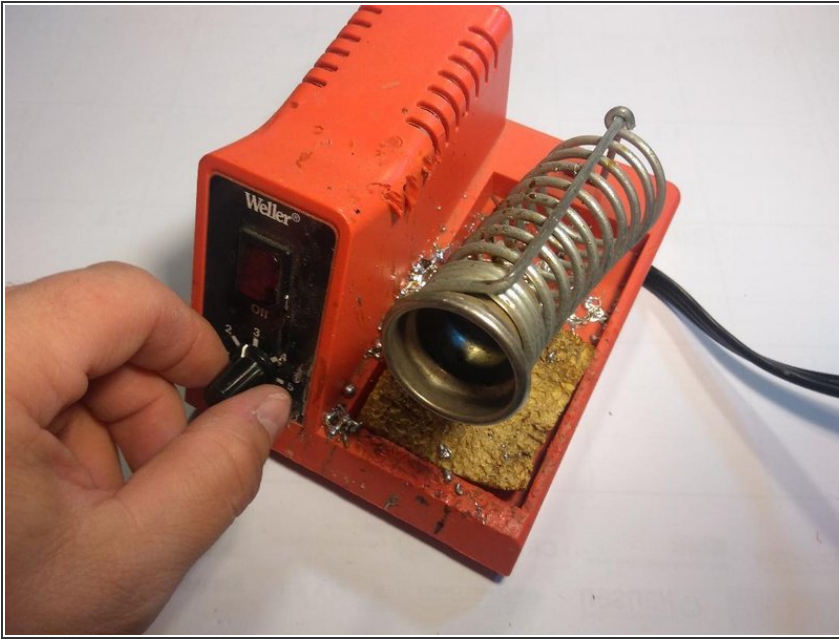
- [Phillips #1 Screwdriver](#) (1)



PARTS:

- [NTE56058 TRIAC 16A switch](#) (1)

Step 1 — NTW56058 TRIAC 16amp switch



- Remove the knob from the adjustment dial.

Step 2



- Remove two 8.6 mm Phillips #1 screws from soldering station bottom.

Step 3



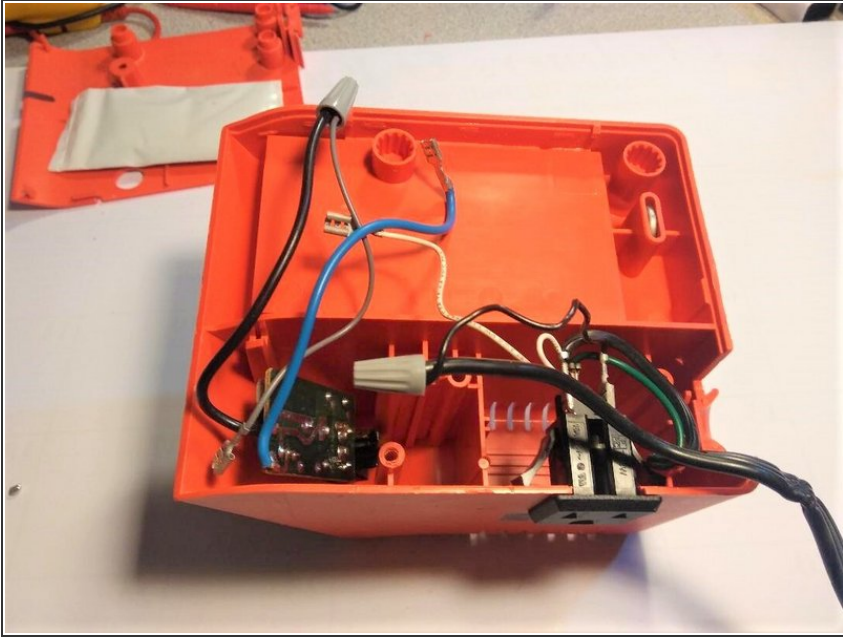
- Remove the rubber feet to access the remaining screws.

Step 4



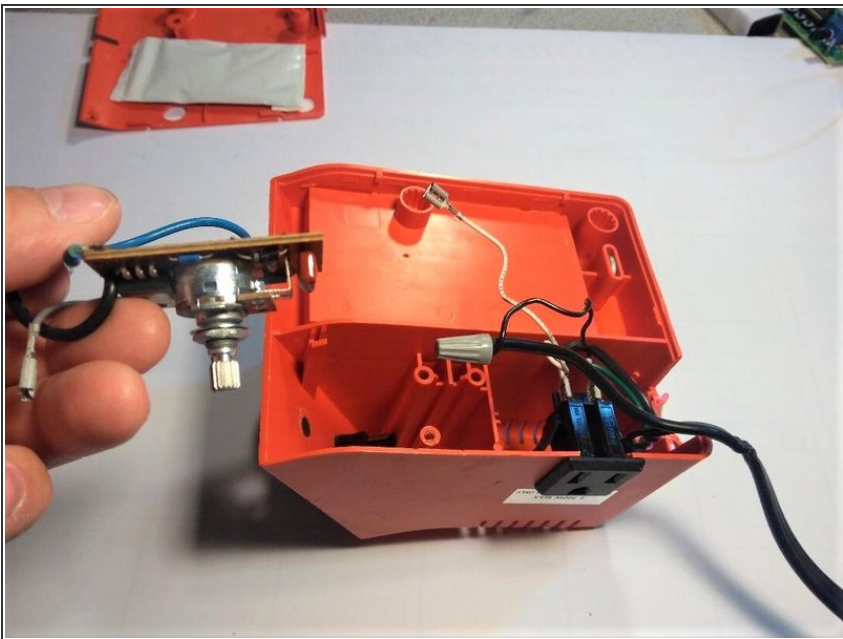
- Remove the remaining two 8.6 mm Phillips #1 screws from soldering station bottom.

Step 5



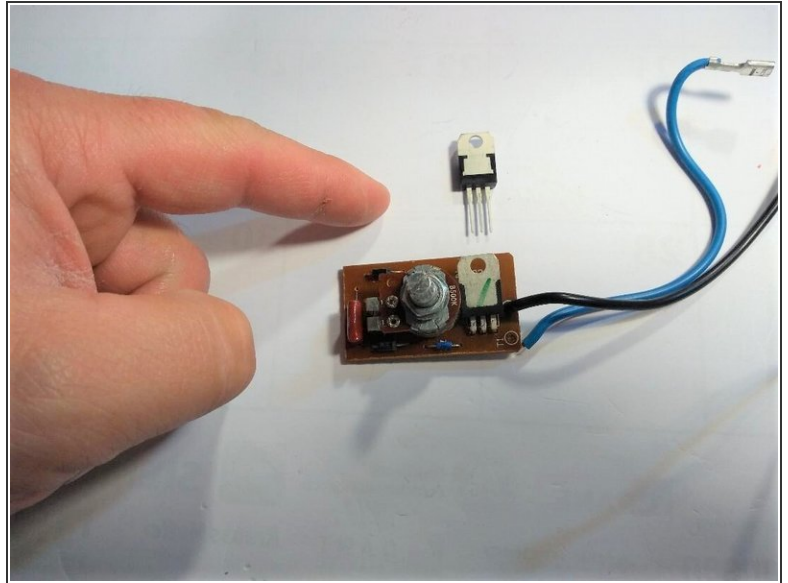
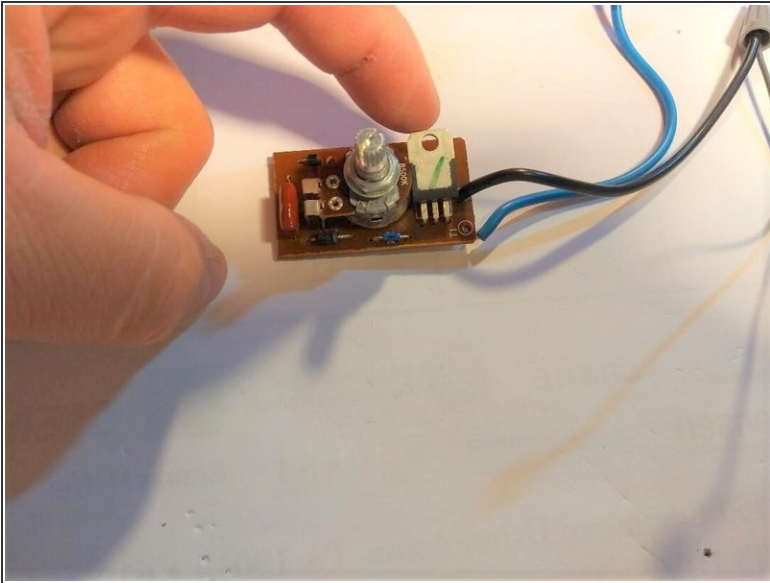
- Separate the bottom and top half of the soldering station.

Step 6



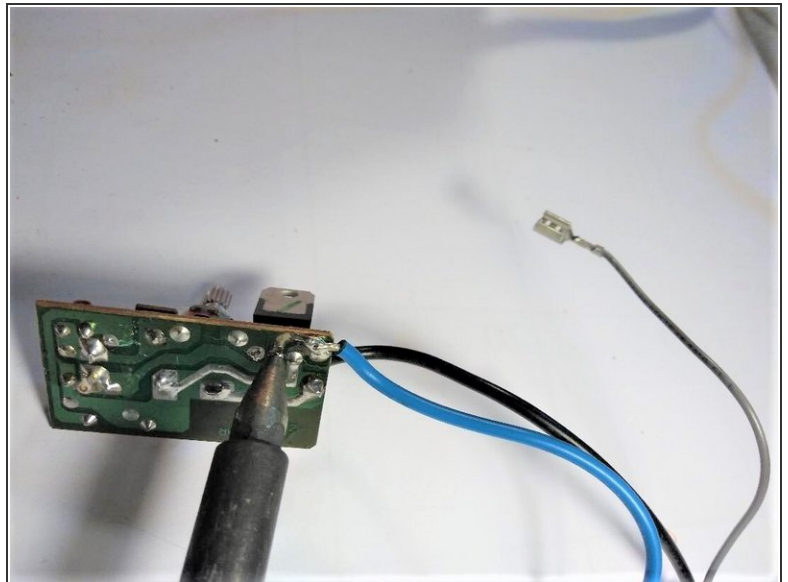
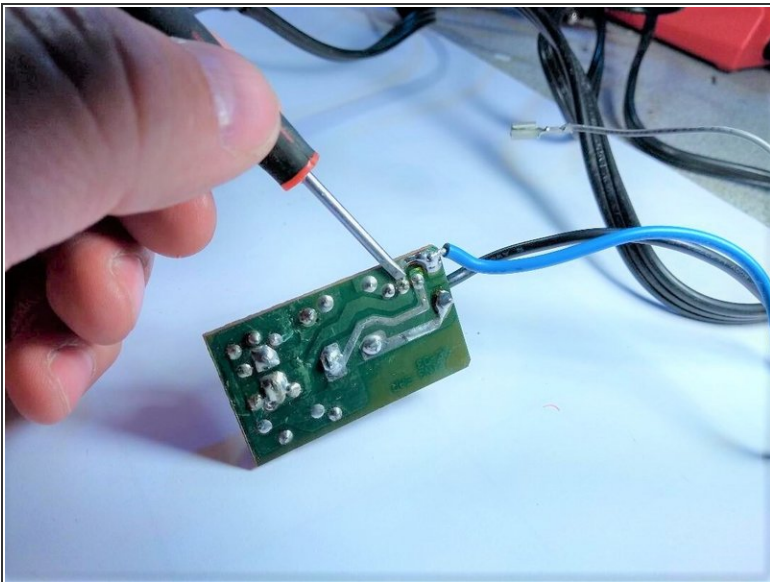
- Remove the adjustable heat dial board.

Step 7



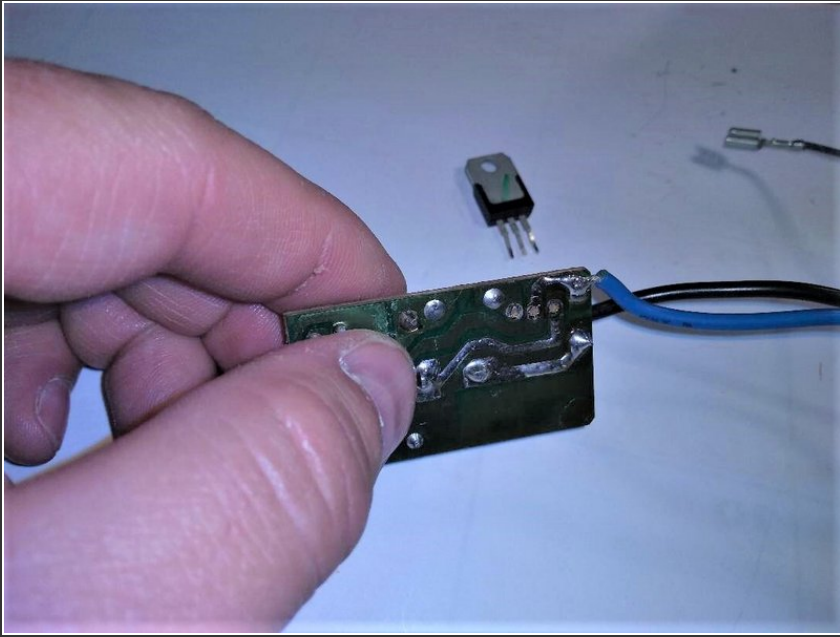
- Orient the new TRIAC switch the same way as the old TRIAC switch is located.

Step 8



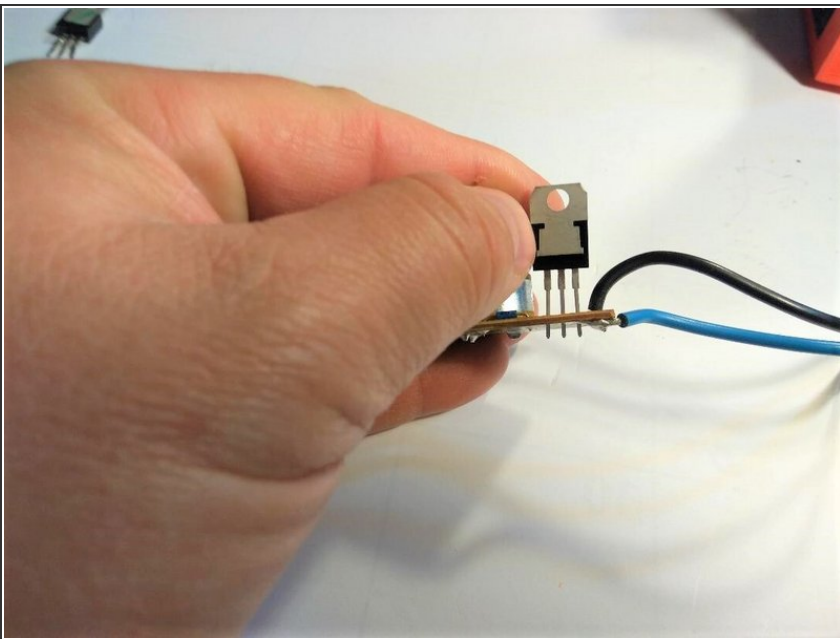
- De-solder the three pins.
- ❗ For more information on soldering and desoldering connections, visit the [How to Solder and Desolder Connections guide](#).

Step 9



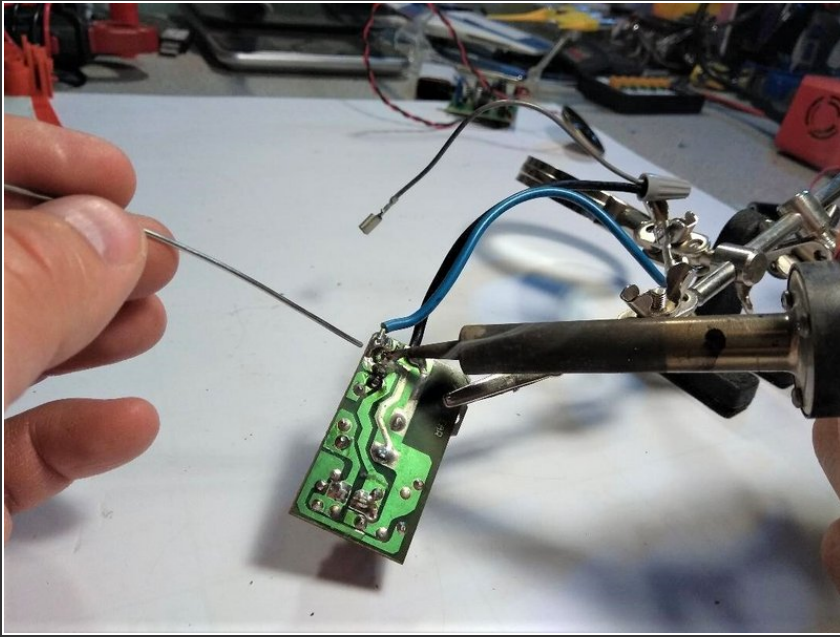
- Remove the TRIAC switch when all the solder is removed from the pins.

Step 10



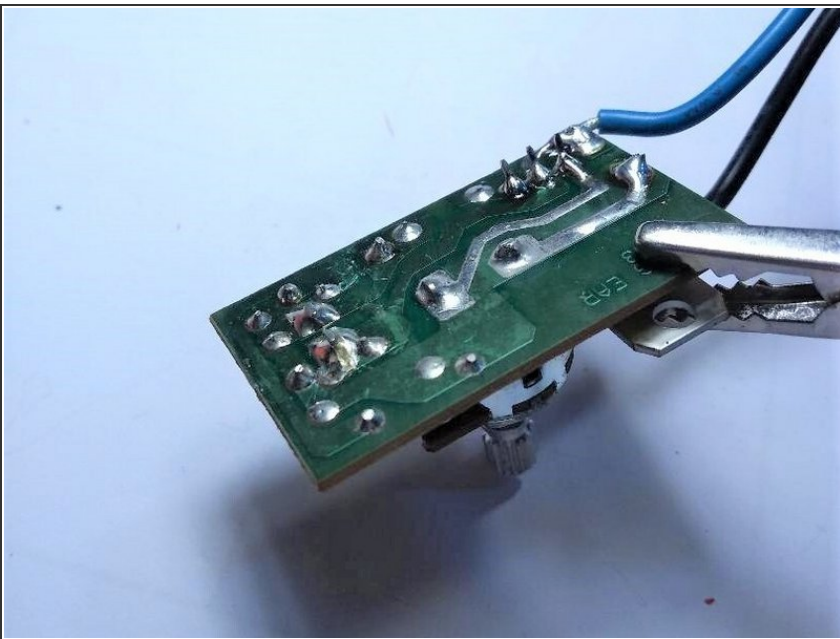
- Insert the new TRIAC switch into the three holes left when you removed the old TRIAC switch.

Step 11



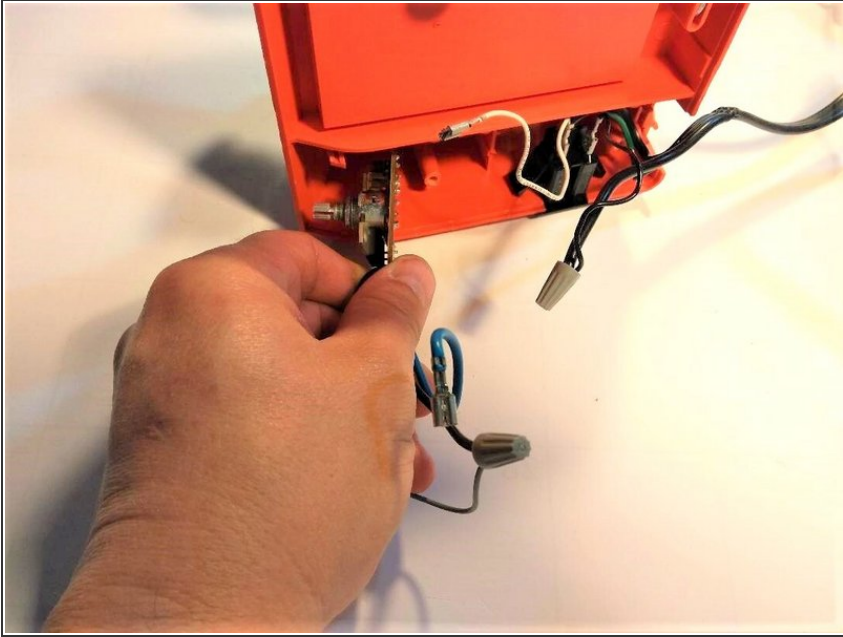
- Solder the new TRIAC switch onto board.

Step 12



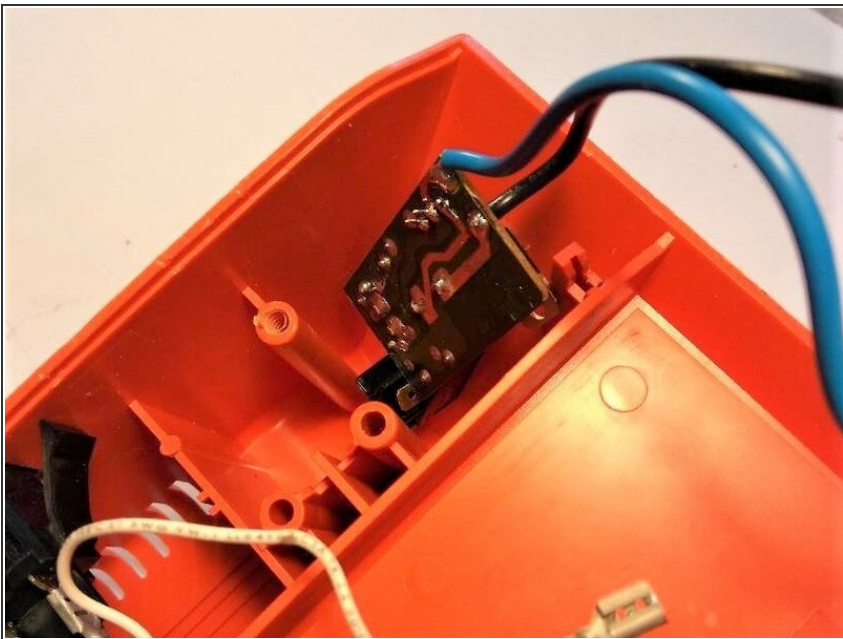
- Verify all three pins are soldered in and the solder is not touching the other pins.

Step 13



- Re-install the board into the soldering station.

Step 14



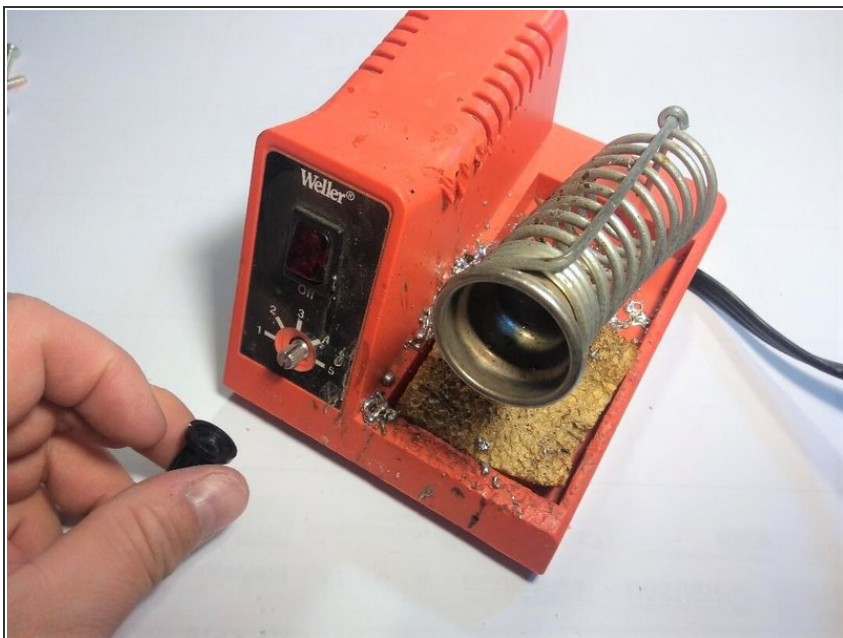
- Push the knob into the hole so that it is protruding out of the other side.

Step 15



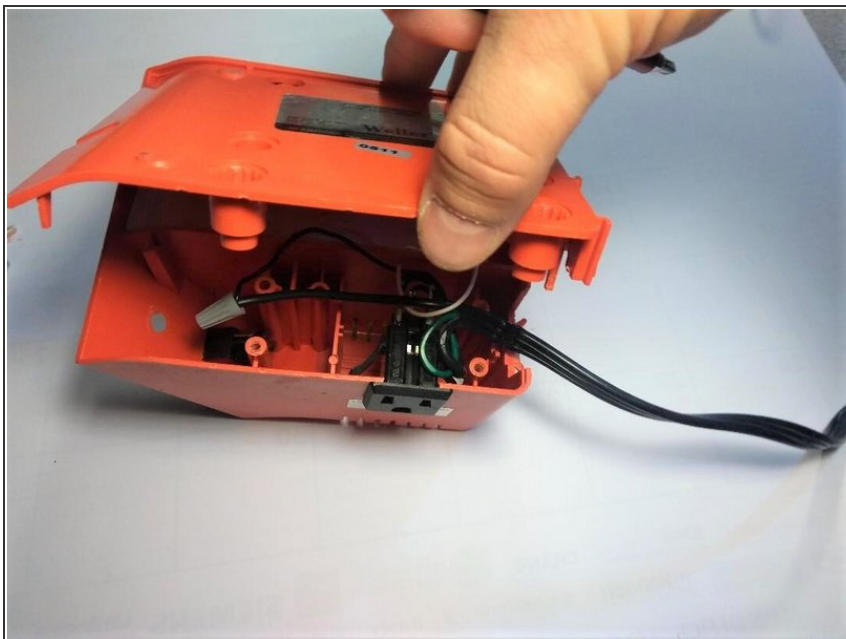
- Verify the knob is sticking out of the other side of soldering station.

Step 16



- Replace the dial onto the knob.

Step 17



- Replace the bottom and replace all four screws and rubber feet, reversing steps four through two.

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