How to Replace a Ceiling Fan Lighting Circuit Power-Limiting Device

This guide will show how to replace or remove the power-limiting device in the lighting circuit of a Hunter Baker Street Model #20713 ceiling fan.

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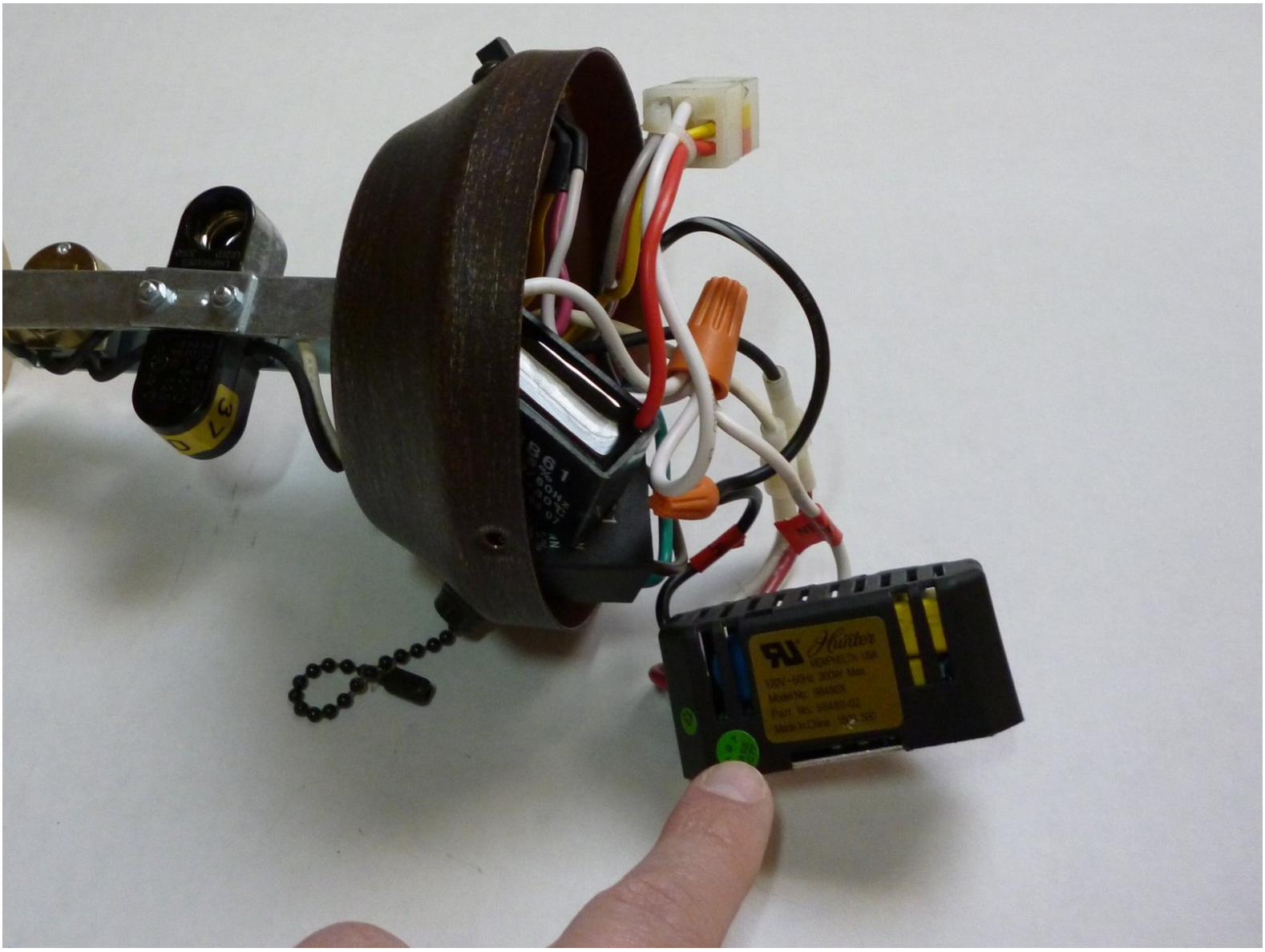


INTRODUCTION

Faulty power-limiting devices are often the cause of ceiling fan lighting issues. These issues may include lights dimming, flickering, or not illuminating at all.

These devices are simple to replace, but replacements can be difficult to find. Luckily, these devices can be removed and your ceiling fan/lights operated safely, provided fan manufacturer recommendations for light bulbs are adhered to.

Power-limiting devices do just that—limit power. You may notice a slight uptick in your energy bill if you use your fan often.

This guide will show how to replace or remove the power-limiting device (Model No. 98480X; Part No. 98480-02) in the lighting circuit of a Hunter Baker Street Model #20713 ceiling fan.

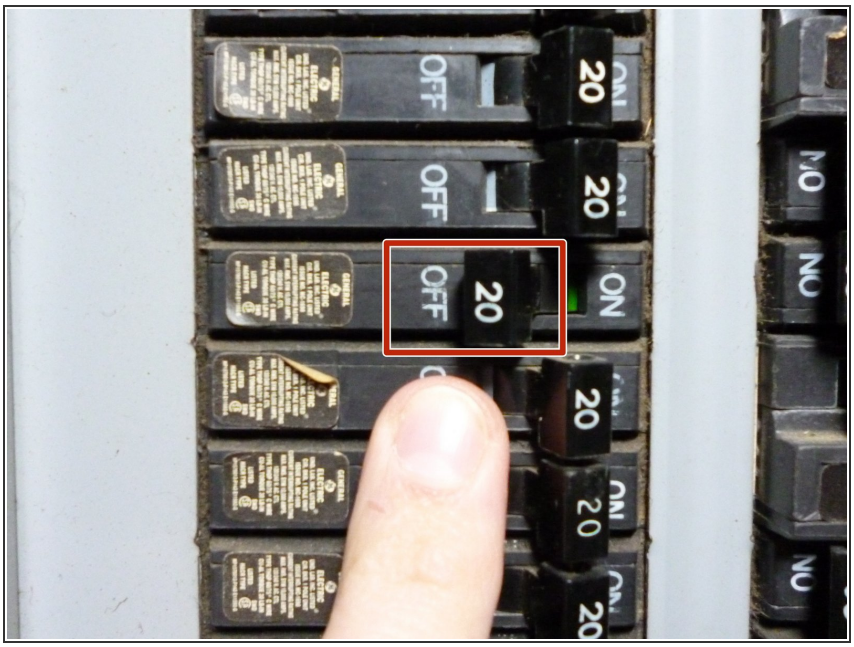
TOOLS:

- Phillips #1 Screwdriver (1)
- Wire Stripper (1)

PARTS:

- Power-limiting Device (1)
  Hunter Ceiling Fan
  Model No. 98480X; Part No. 98480-02

Step 1 — Power-Limiting Device



- Shut off electrical power to the ceiling fan by switching the appropriate circuit breaker to the "**OFF**" position.

⚠ Continuing the procedure with the power on could result in death or serious injury.

Step 2

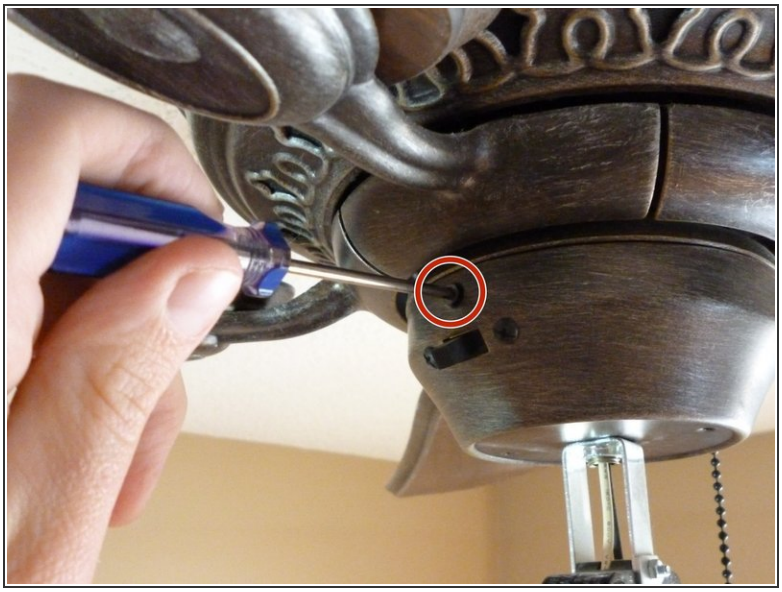
- Remove the glass-bowl lampshade by loosening the threaded finial.

ⓘ The threaded finial is the only component securing the glass bowl lamp shade. Ensure you provide adequate support to the glass bowl lamp shade while unscrewing, and be careful not to let it fall.

Step 3

- Remove the light bulbs from their sockets.

Step 4

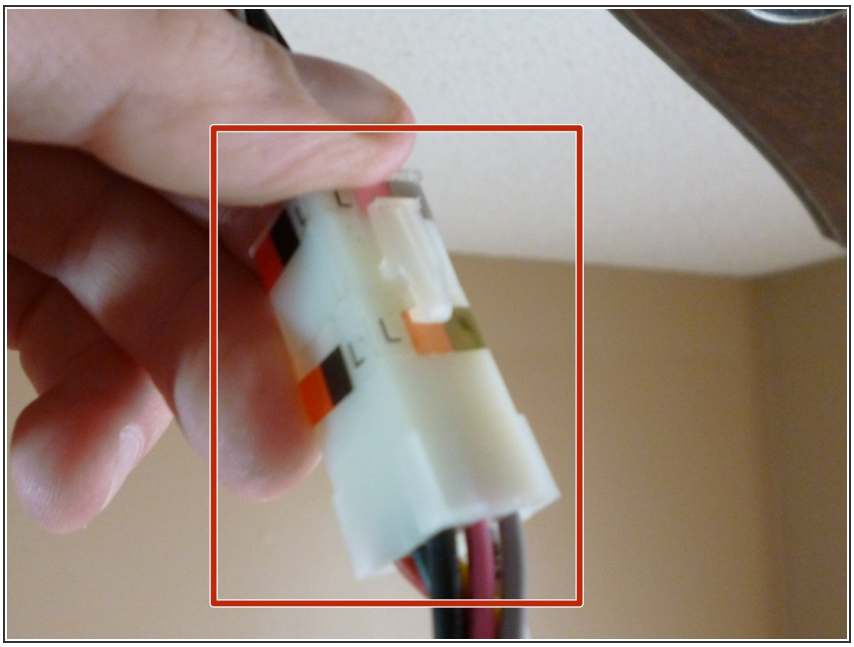


- Use a Phillips #1 screwdriver to remove the three 12 mm screws to separate the lower switch housing from the upper switch housing. .

  The three screws are evenly spaced around the perimeter of the switch housing

- Pull the lower switch housing straight down, with minimal force, to separate the lower and upper switch housing.

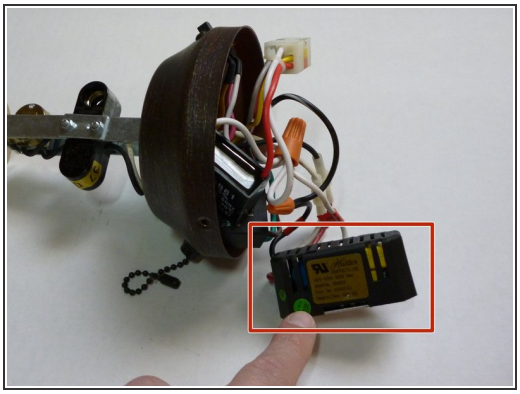
Step 5

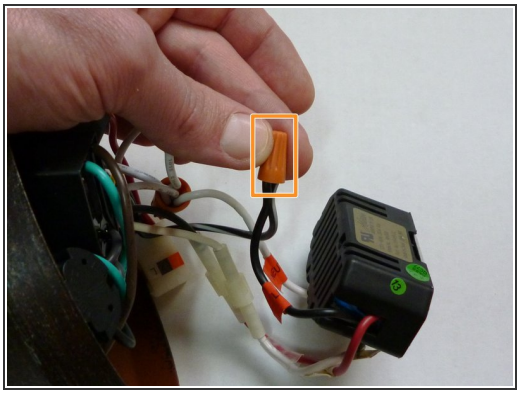


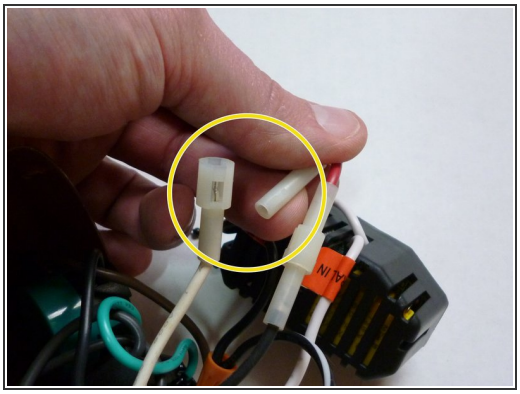
- Unclip the pigtail connector that attaches the wires from the lower switch housing to the upper switch housing.

The lower switch housing should now be completely untethered from the upper switch housing.

Step 6





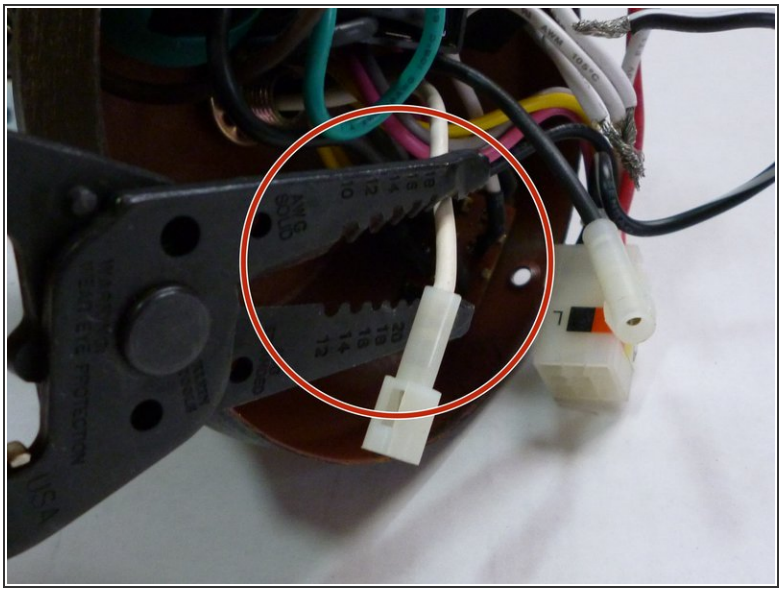


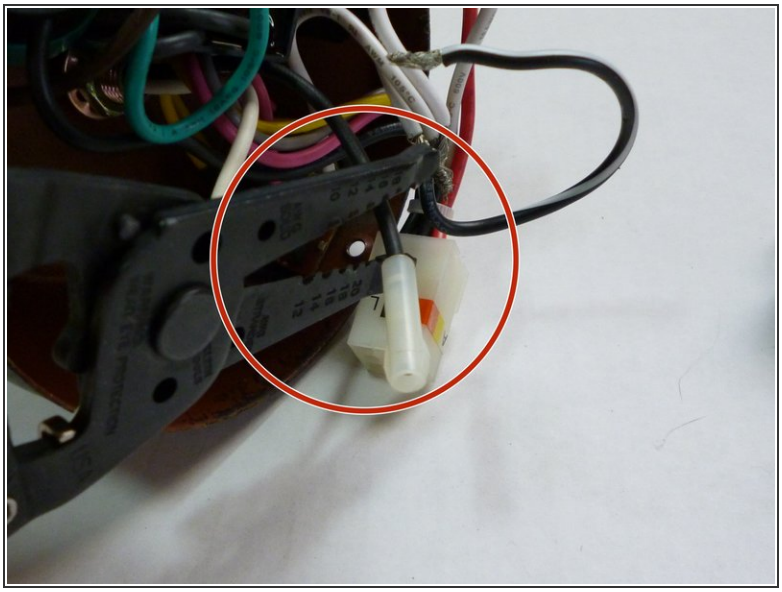
- To remove the power-limiting device (Part No. 98480-02) from the circuit:
  - Loosen and remove the twist-on wire connectors.
  - Disconnect the terminal connectors.

If you are ***removing*** the power-limiting device, proceed to **Step 7**.

If you are ***replacing*** the power-limiting device, install the new power-limiting device in the same configuration as the old power-limiting device, and skip to **Step 9.**

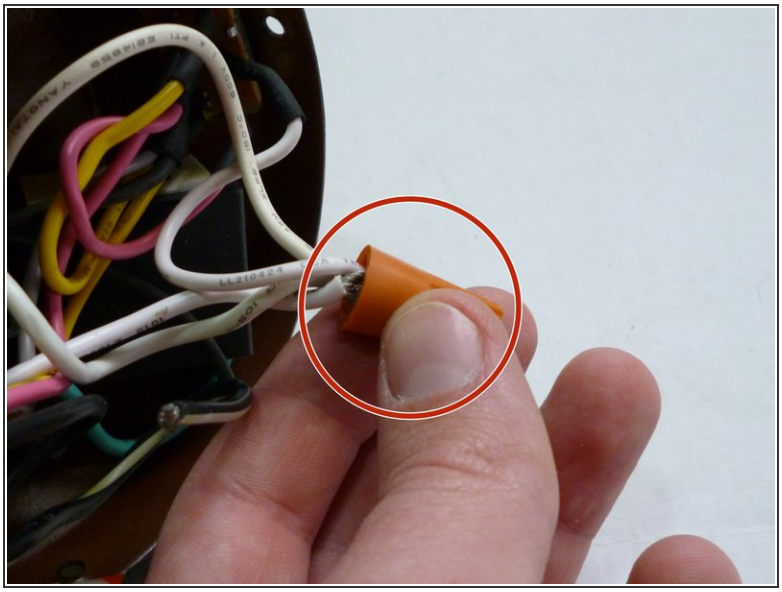
Step 7

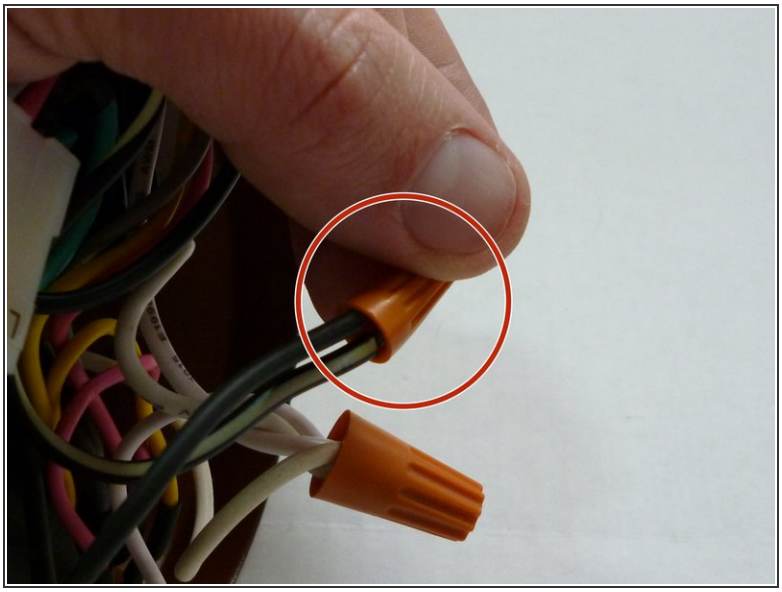




- Remove the terminal connectors disconnected in the previous step from the wires attached to the switch housing.
- After cutting, strip off about two inches of the insulation in preparation for wire termination.

Step 8



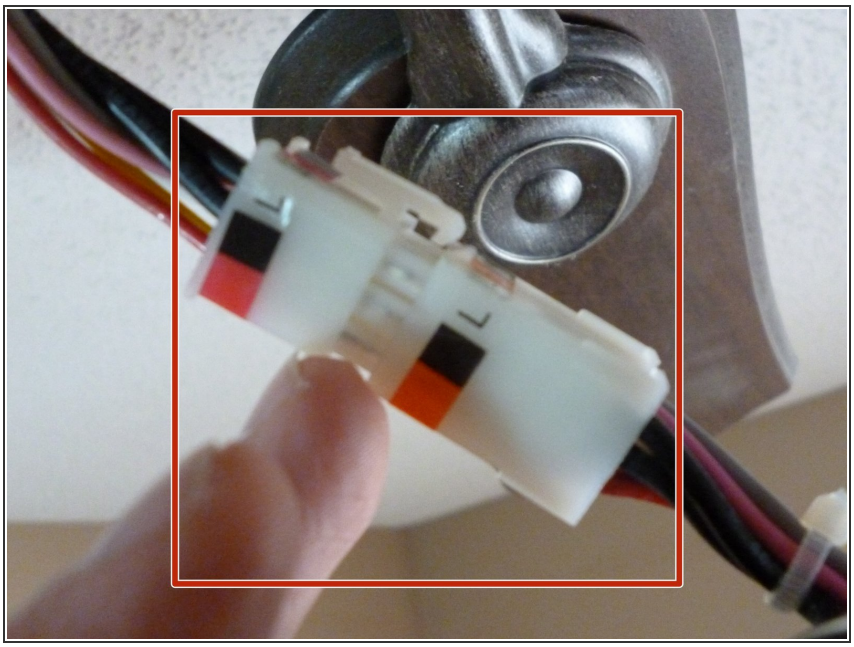


- Reinstall the light pull-switch into the circuit.
- Terminate the hot and neutral wires with the appropriate wire bundle using twist-on wire connectors.

After the completion of this step, there should be 4 white wires connected bound with one twist-on wire connector, and 2 black wires bound using a second twist-on wire connector.

Wire color-coding in accordance with the NFPA 70 - National Electrical Code is applicable. White wires are designated as neutral wires, black wires are designated as hot wires.

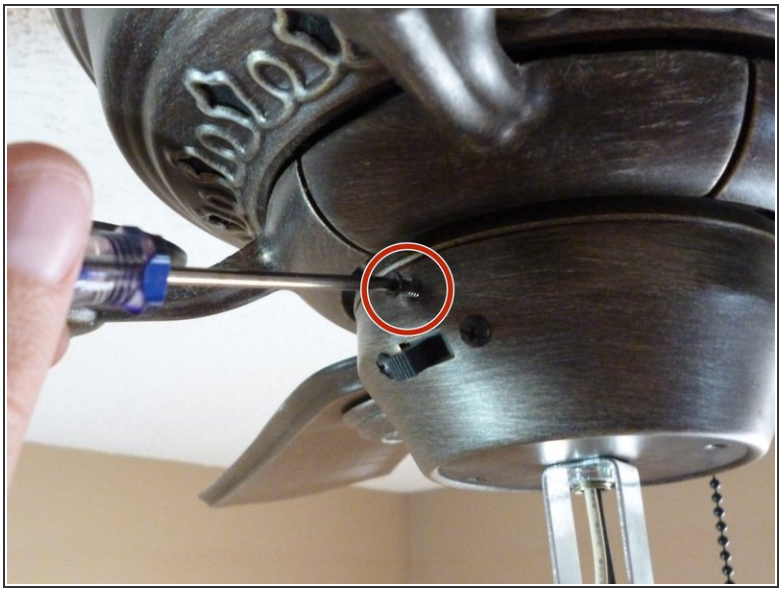
Step 9



- Reattach the pigtail connector from the upper and lower switch housings.

ⓘ The pigtail connector will easily “clip” into place if the two ends are oriented properly.

Step 10

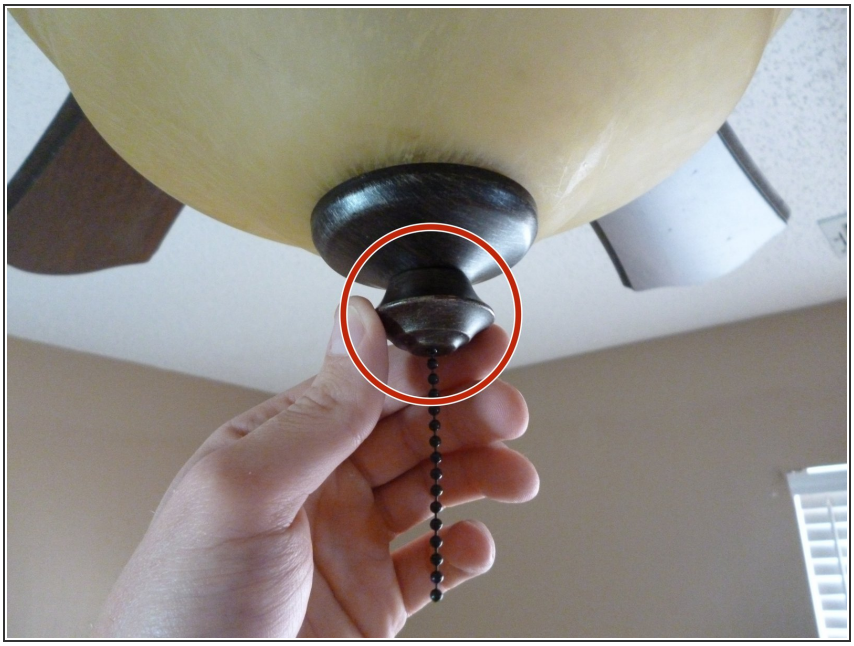


- Replace the three 12 mm screws securing the lower switch housing to the upper switch housing with a Phillips #1 screwdriver.

Step 11

- Reinstall the light bulbs in the sockets

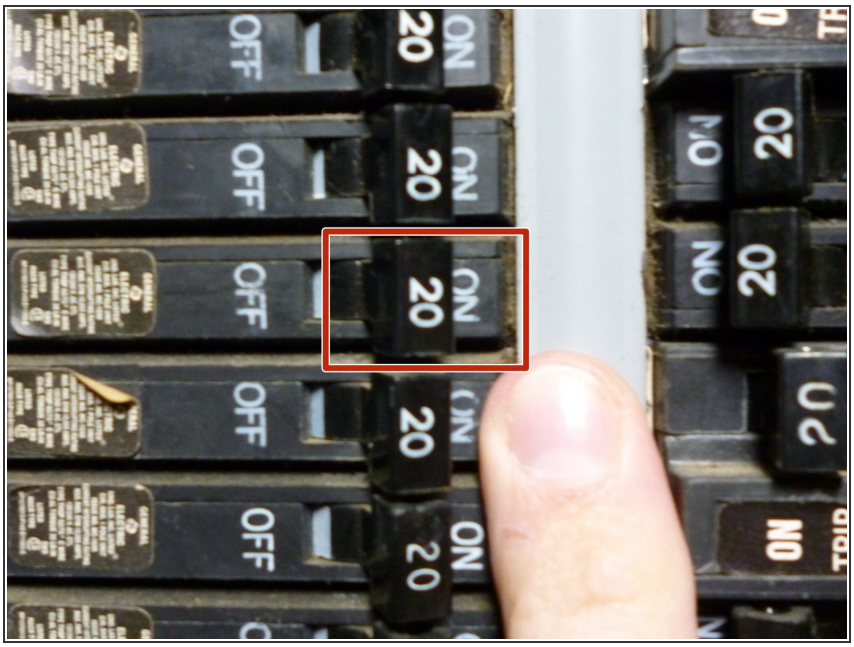
Step 12



- Reinstall the glass bowl lamp shade and replace the threaded finial.

  The threaded finial is the only component securing the glass bowl lamp shade. Ensure you provide adequate support to the glass bowl lamp shade while reattaching the finial.

Step 13



- Restore electrical power to the ceiling fan by positioning the appropriate circuit breaker to the “**ON**” position.

The lamp fixture on your ceiling fan should now light without issue!