



Timer Switch Relay Replacement

The guide shows how to replace the relay (transformer) in a timer switch.

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INTRODUCTION

The guide shows how to replace the relay (transformer) in a timer switch. This transformer is used for heater control. Without this transformer, the switch does not work.

The timer switch was bought at Gamma ([link](#)), a large construction store.

TOOLS:

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

Step 1 — Relay



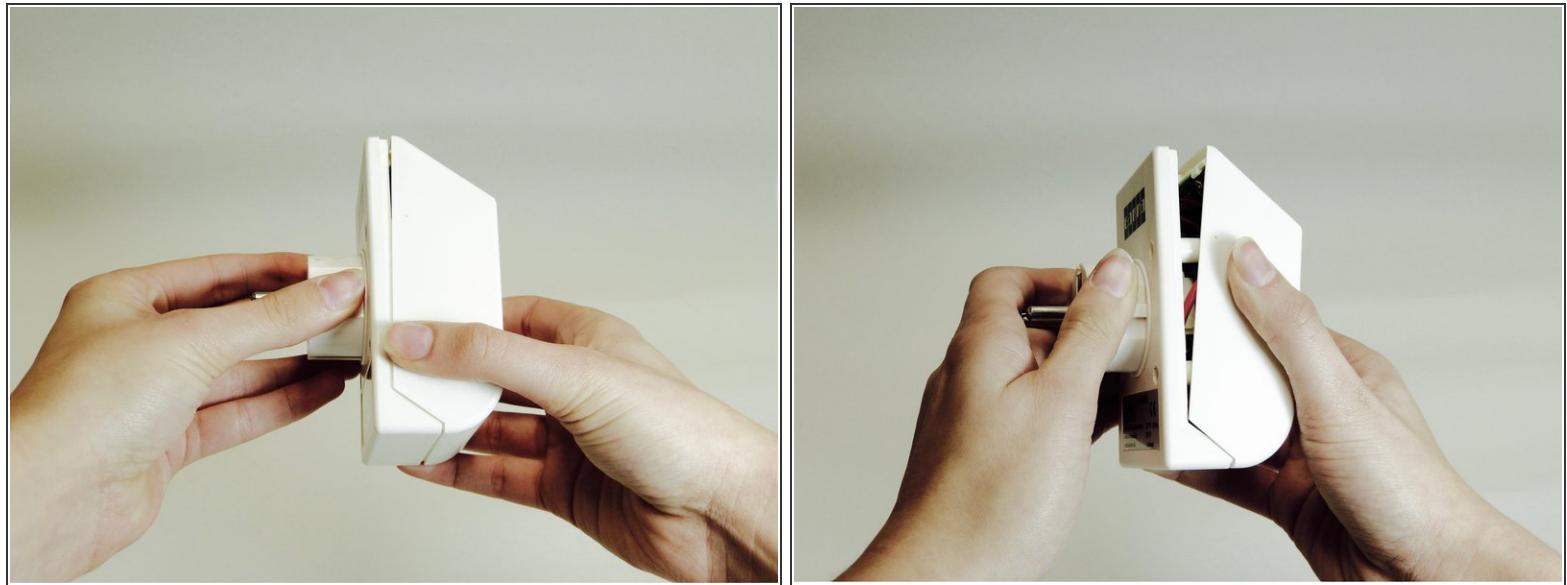
- Locate the screw holes.

Step 2



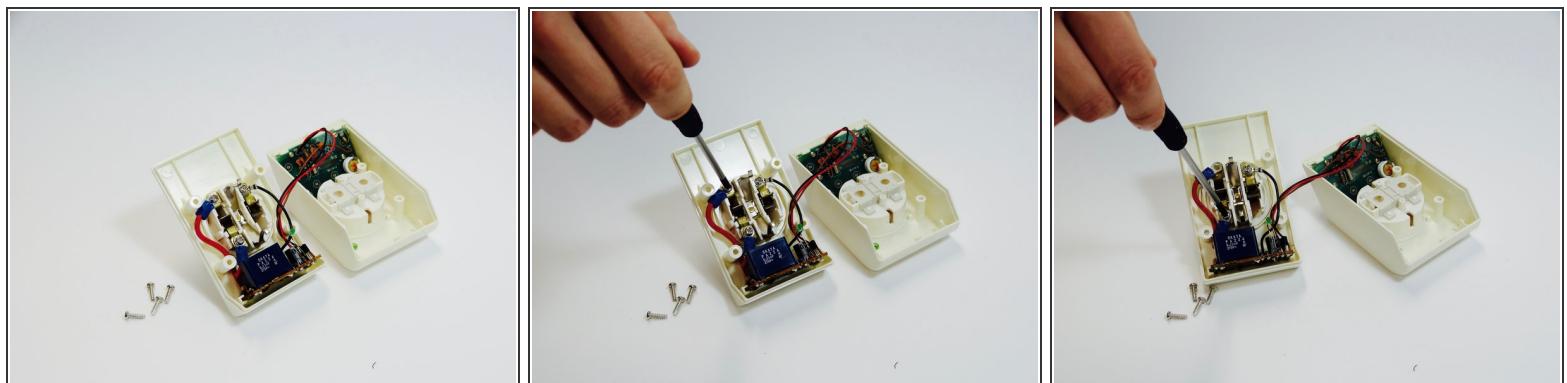
- Use the #1 Phillips head screwdriver to remove the screws. This may cost some prying effort.

Step 3



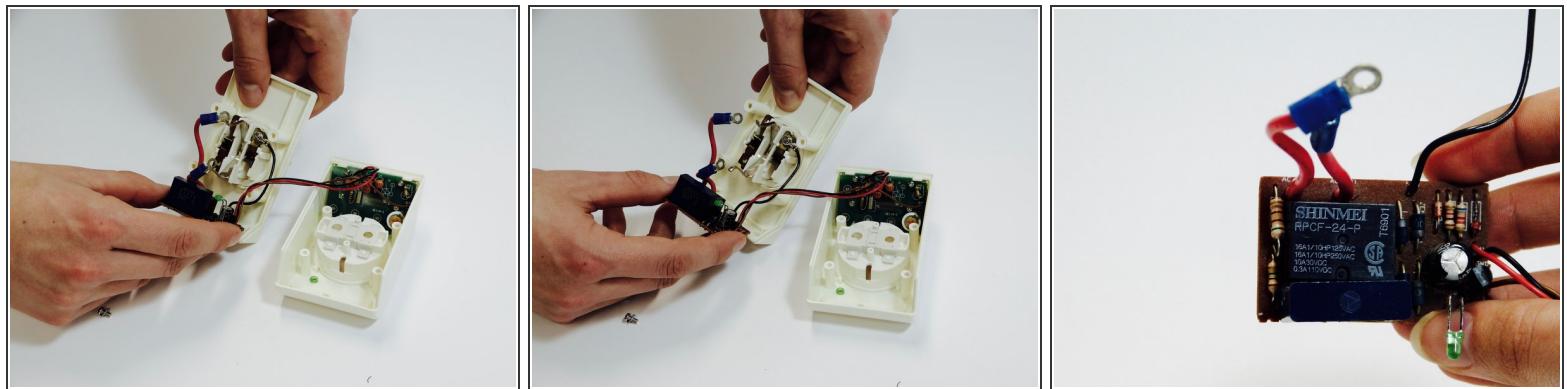
- Open the case by pulling the back case from the front case.

Step 4



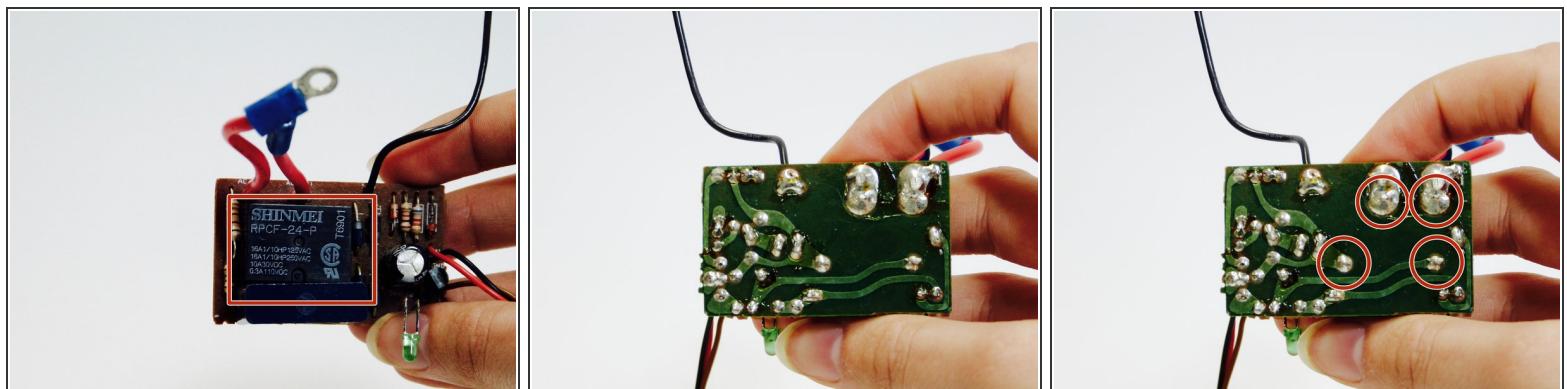
- Use the #1 Phillips head screwdriver to remove the screws on the inside.

Step 5



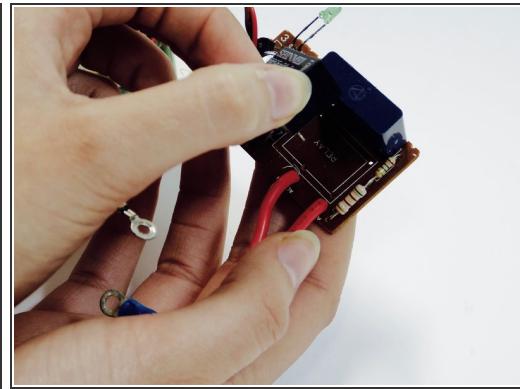
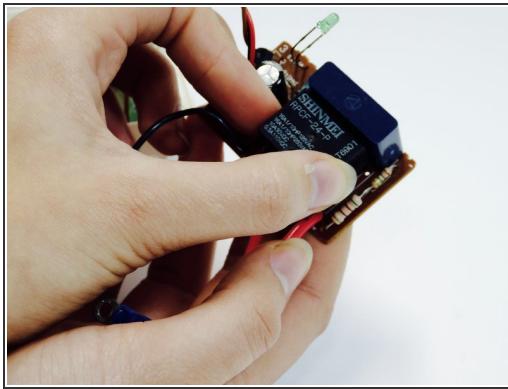
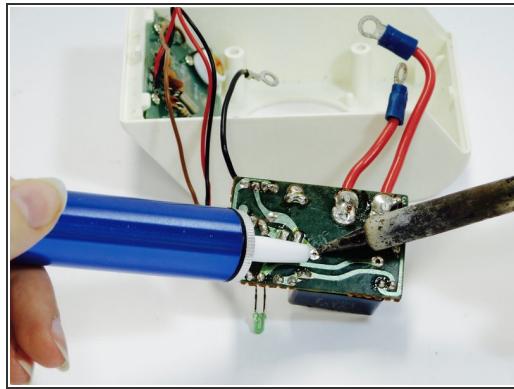
- Pull the PCB (printed circuit board) from the case.

Step 6



- Locate the relay.
- Locate where the relay is connected to the PCB.

Step 7

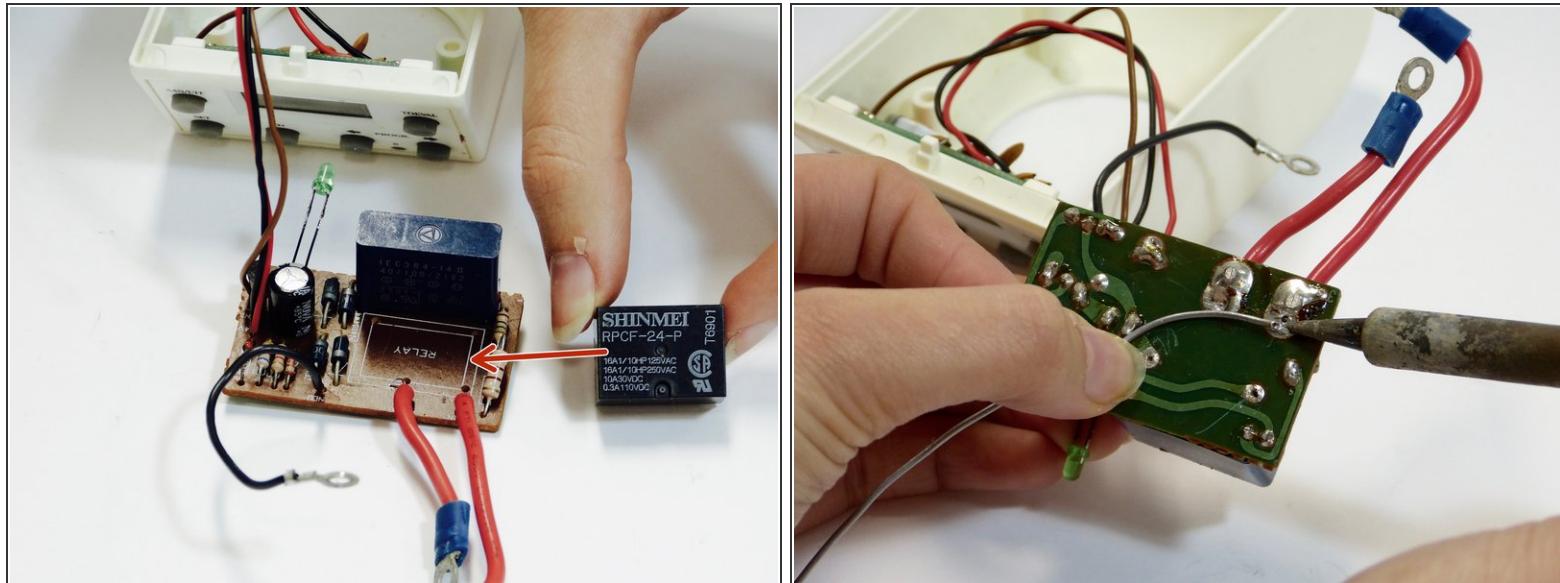


- Melt the solder with the soldering iron.

 Don't burn yourself by touching the hot soldering iron tip.

- Use the desoldering pump to suck up the old solder.
- Pull the relay from the PCB.

Step 8



- Put a new relay at the same place as the old relay.
- Use new solder and the soldering iron to connect the new relay to the PCB.

 Don't burn yourself by touching the hot soldering iron tip.

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