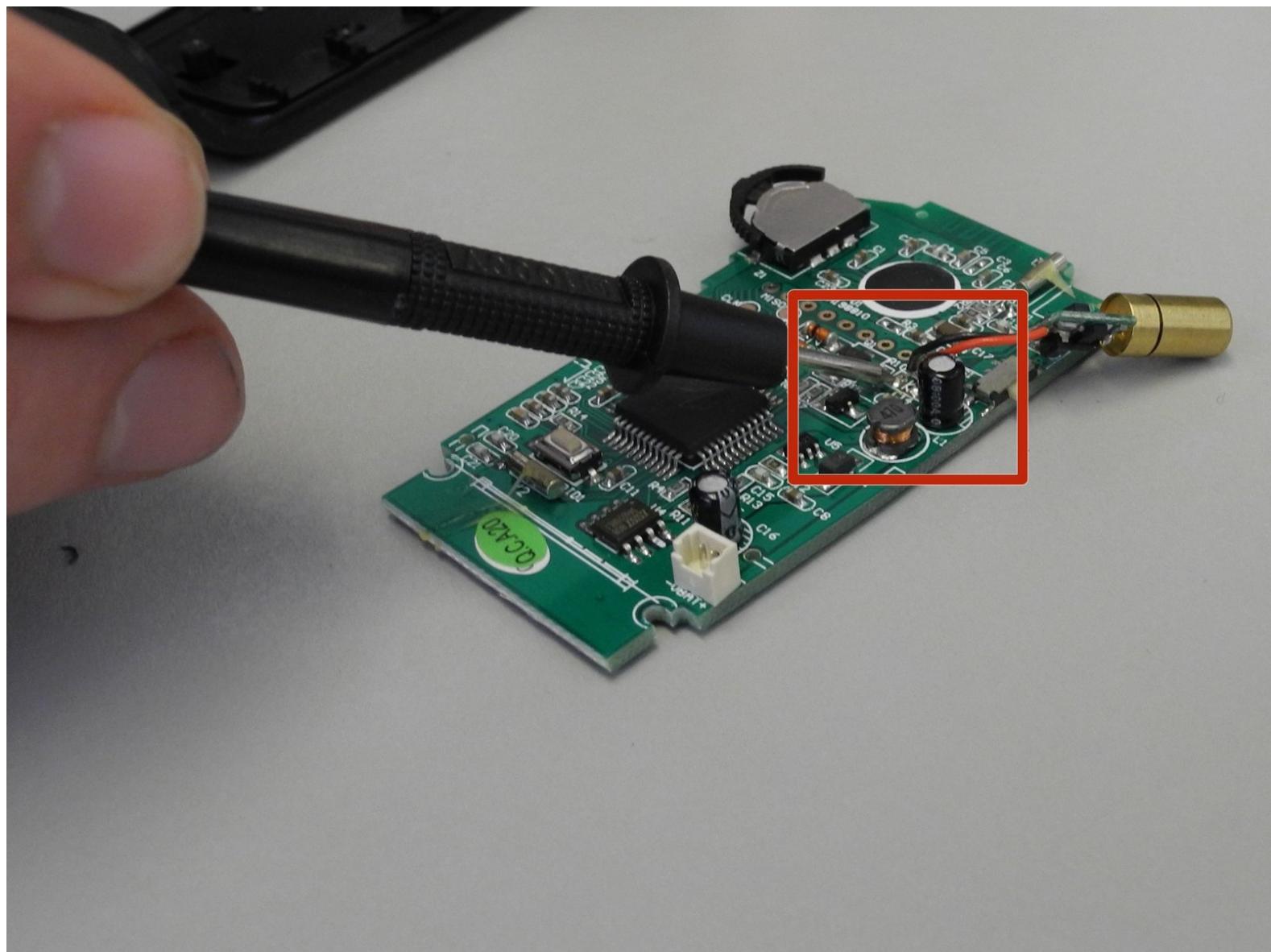




Interlink VP4550 Laser Replacement

Step-by-step guide on replacing the laser in an Interlink VP4550.

Written By: Alayna Bruney



 **TOOLS:**

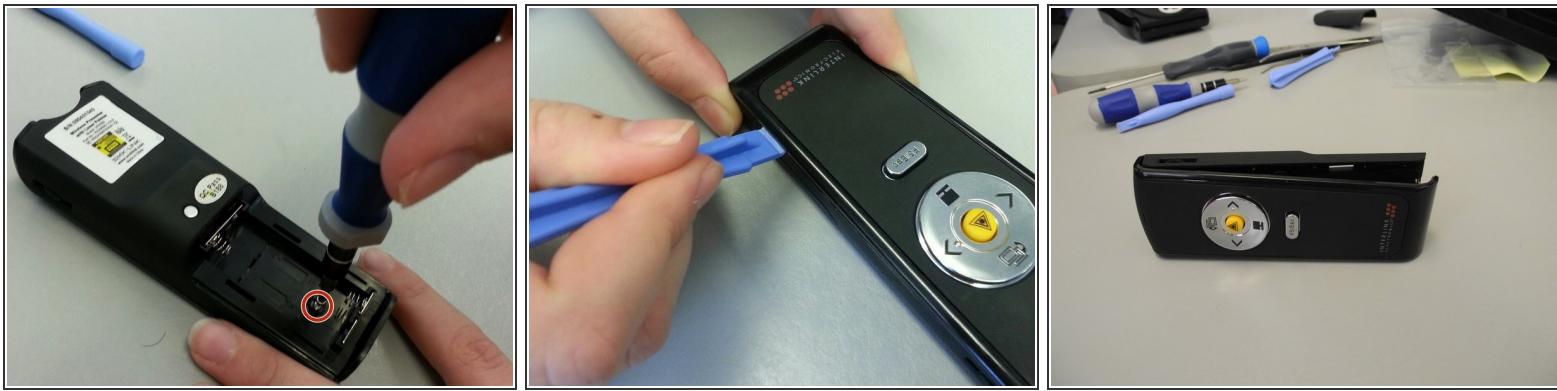
- [Soldering Workstation \(1\)](#)
- [Phillips #0 Screwdriver \(1\)](#)
- [Tweezers \(1\)](#)
- [iFixit Opening Tools \(1\)](#)

Step 1 — Case



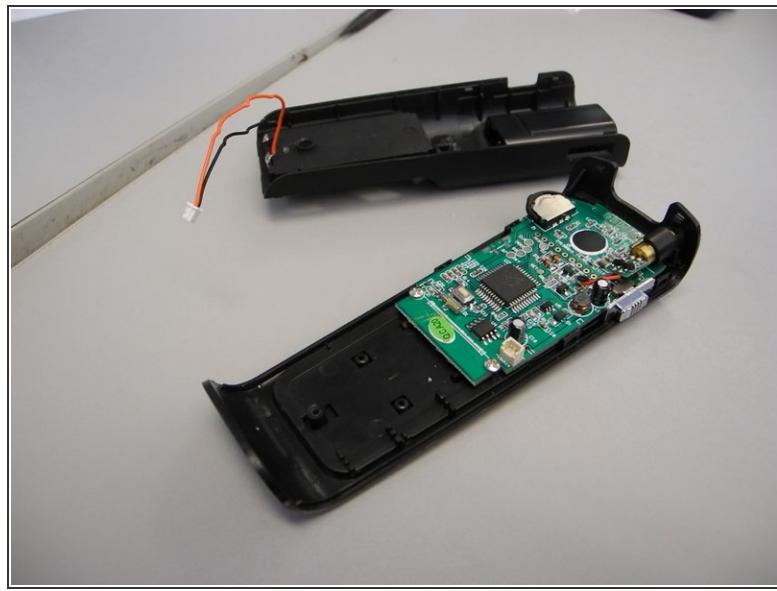
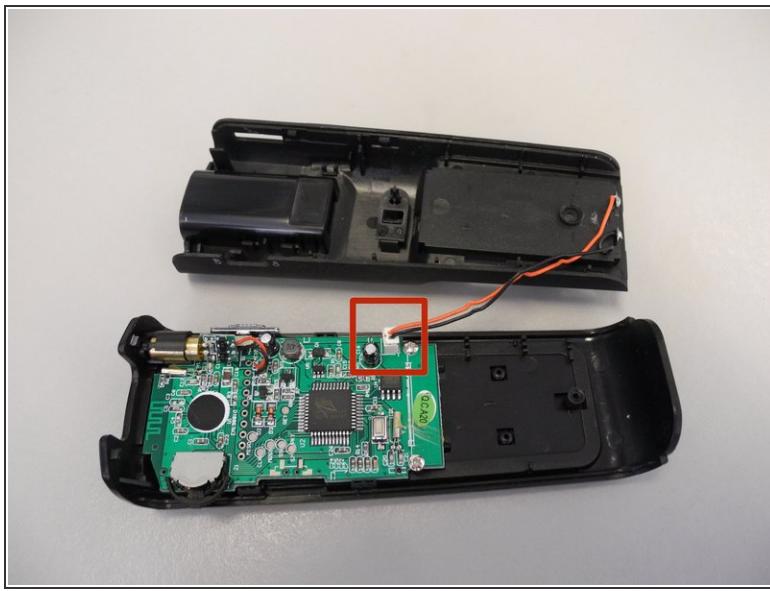
- Turn the phone over to where the battery compartment resides.
- Remove the battery compartment door by pushing down on the door with your thumbs and sliding the door off of the bottom of the device.
- Remove battery.

Step 2



- Use a Phillips #0 screwdriver to remove the screw in the middle of the battery compartment.
- Pry open the case body with the plastic opening tool. Start at the bottom of the device and work toward the top. You will hear a "click" sound as the sides open.

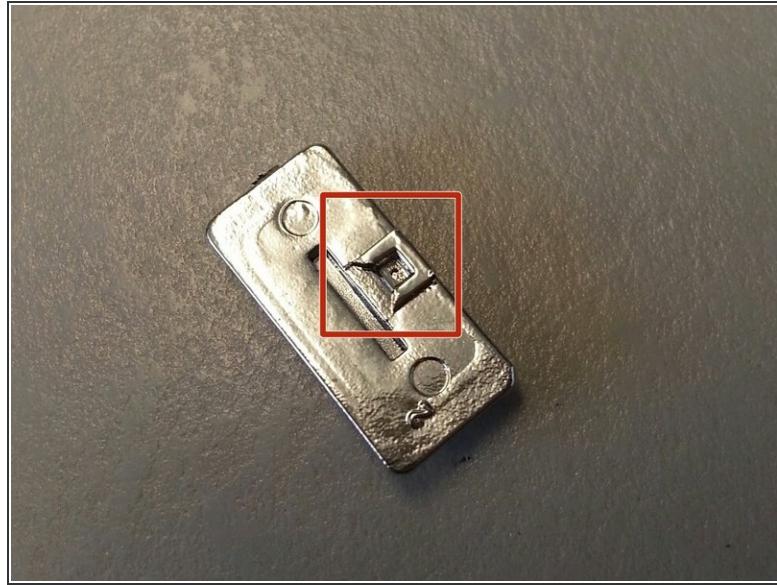
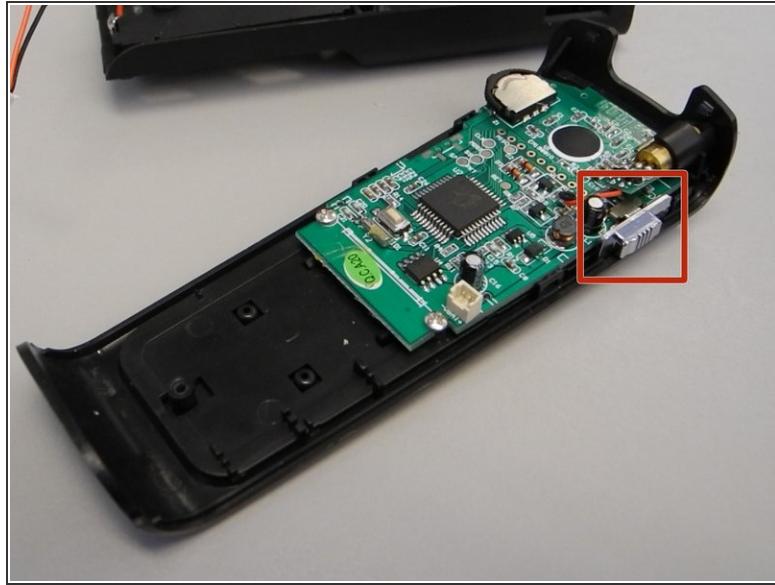
Step 3



 There is a wire connector linking the front and the back of the device.

- Carefully pull the wire connectors out of the white connector gauge to completely separate the front and back pieces.

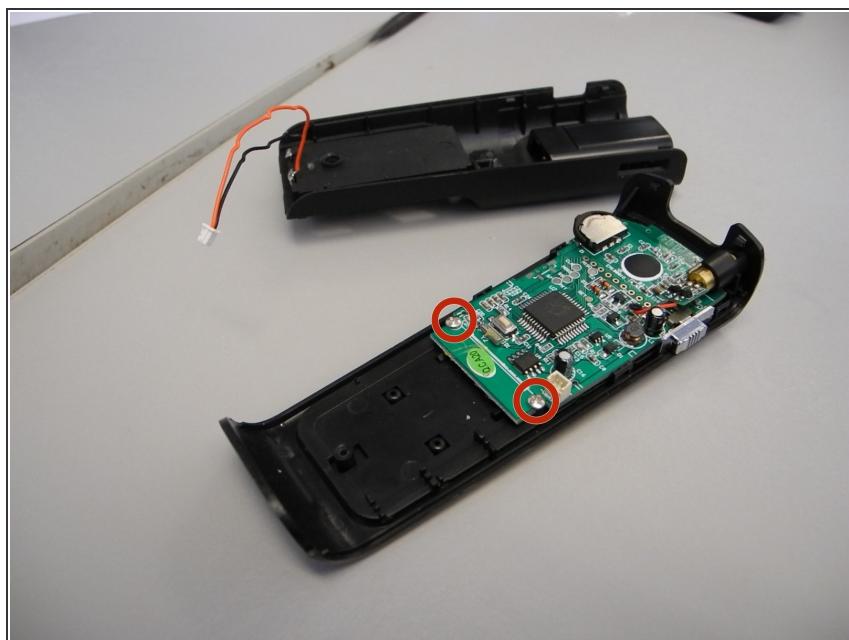
Step 4



(i) The power button may fall off when you separate the front and back of the device. This can simply be placed back when reassembling.

- Find the lever on the right side of the back half of the device.
- Insert the tip of the lever into the square indent on the underside of the button.

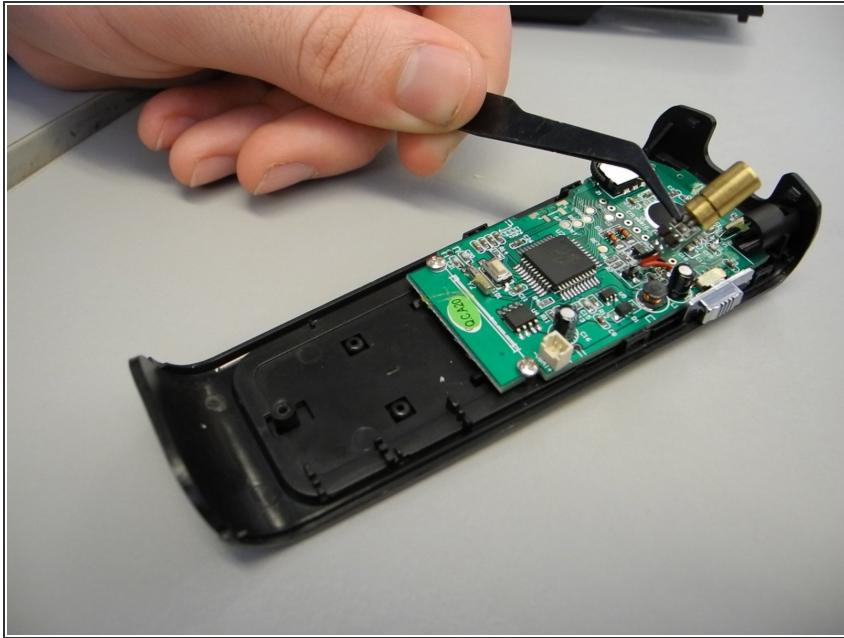
Step 5 — Circuit Board



 Avoid picking up the front of the device as you work so that loose parts will not shift.

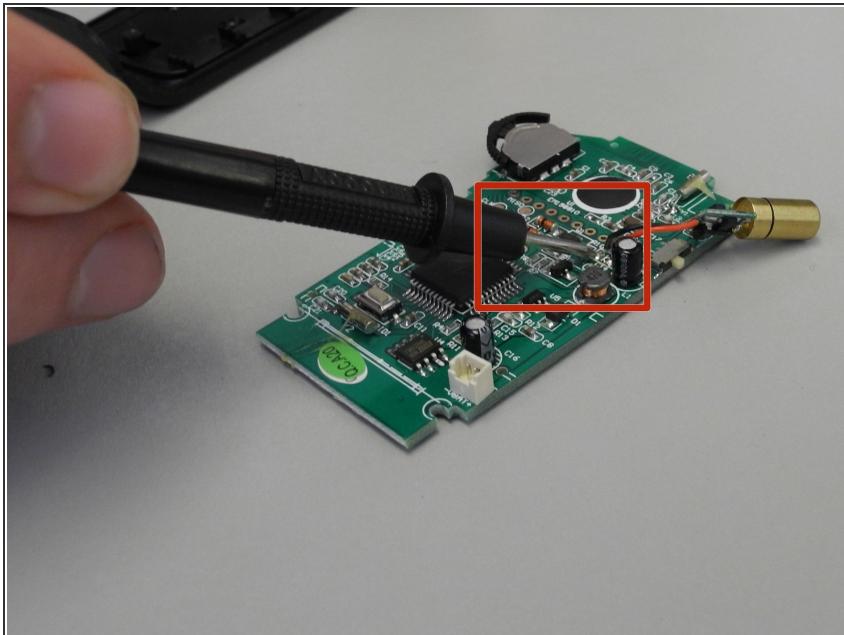
- Use a Phillips #0 head screwdriver to remove two screws; one on either side of the circuit board.

Step 6



- Slide the circuit board down from the tab located underneath the top of the back half
- *(i)* The laser is attached to the circuit board and will slide out of its own housing as you slide out the circuit board.
- Use tweezers to gently remove it if it doesn't come out.

Step 7 — Laser



- Use desoldering braid to remove the red and black wires attached to both the circuit board and the laser bulb.
- When you are ready to attach the new laser bulb, use a soldering iron to solder the new bulb's wires to the circuit board.