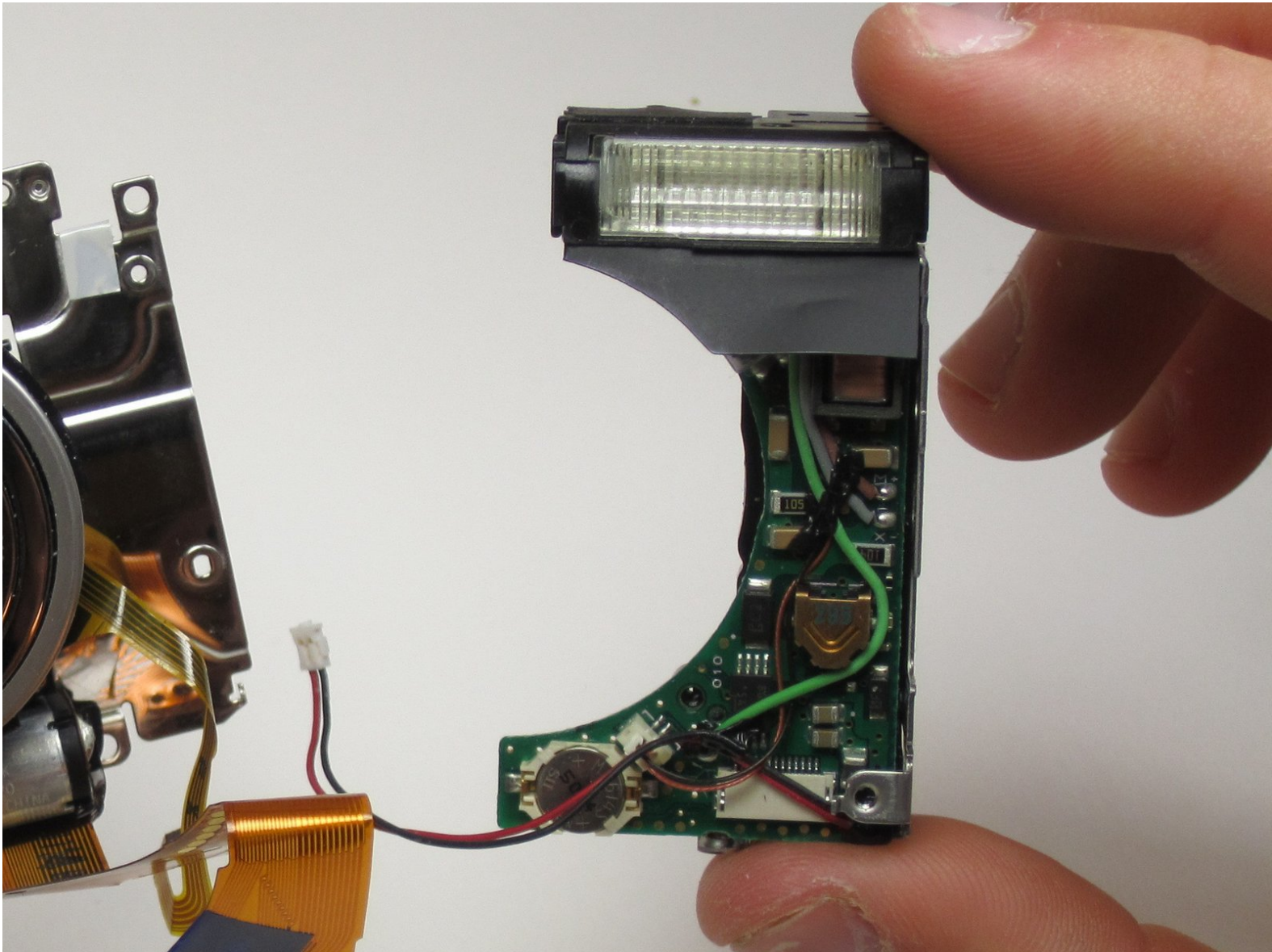




Canon Powershot SD550 Flash Bulb Assembly Replacement

This guide will explain how to disassemble the camera and remove the flash bulb.

Written By: Cameron Olson



INTRODUCTION

The flash bulb is essential for to take dimly lit photographs. If the flash goes out, your camera will have severely limited functionality.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
 - [Spudger](#) (1)
-

Step 1 — Outer Case



- In preparation for disassembly, the battery and SD Card need to be removed from the camera. You can access both the battery and the SD card through the door on the bottom of the camera.

Step 2



- While being careful to remember the original location of each screw, remove the three 0.15 inch screws on the underside of the camera.
- ⓘ Each of the screws is slightly different, so it is important that you note the original location of each screw.

Step 3



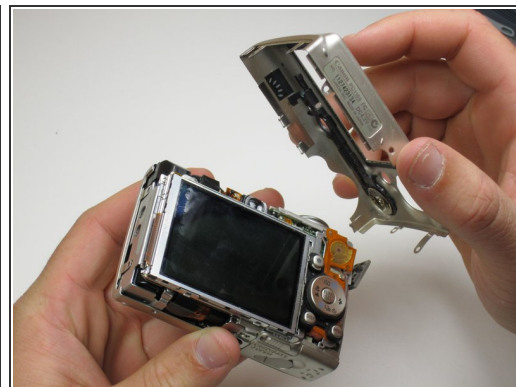
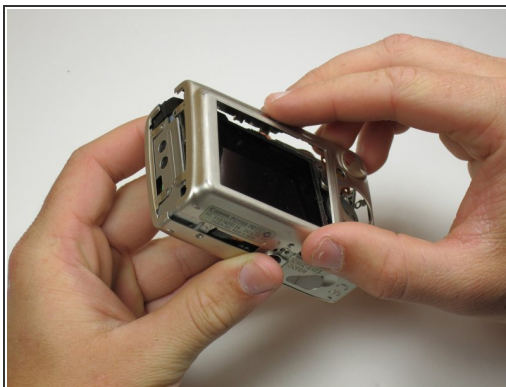
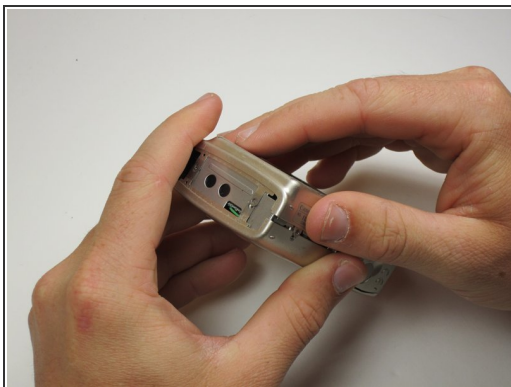
- Find the next two screws on the right side of the camera. One of them is hidden under the USB port cover. The upper screw is .125 inches long, while the lower screw measures .085 inches.
- Remove both screws, then carefully lift the side panel off.
- Underneath the side panel, there is a .07 inch screw. Remove it.

Step 4



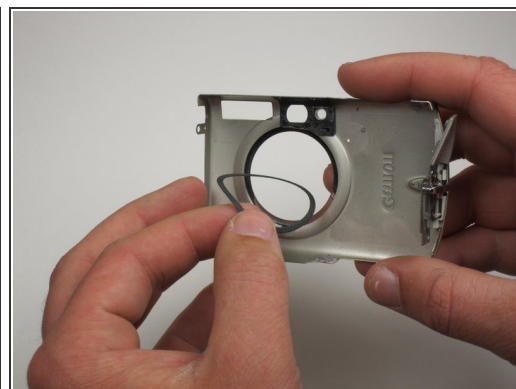
- On the left side of the camera, there are two .085 inch screws. Remove these, then lift the plate from the camera.

Step 5



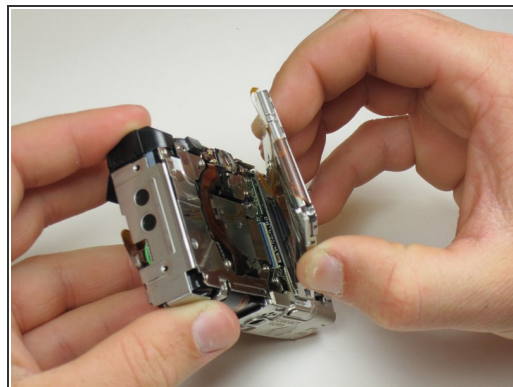
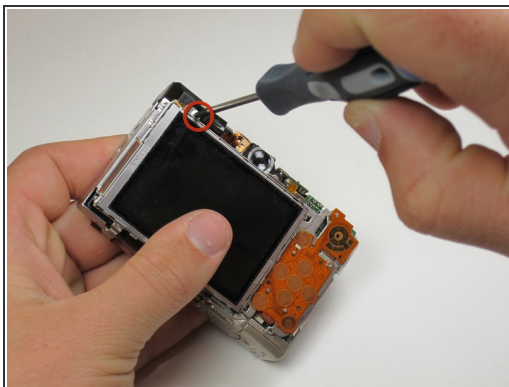
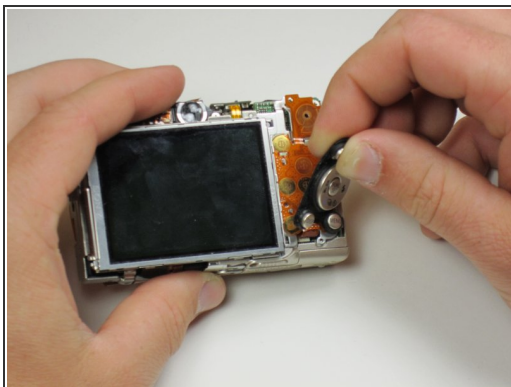
- Now the camera body is loose. gently lift the rear of the case to remove it from the camera.

Step 6



- Next, remove the front of the camera body. Be sure to keep track of the rubber ring.
- You have now successfully removed the outer case.

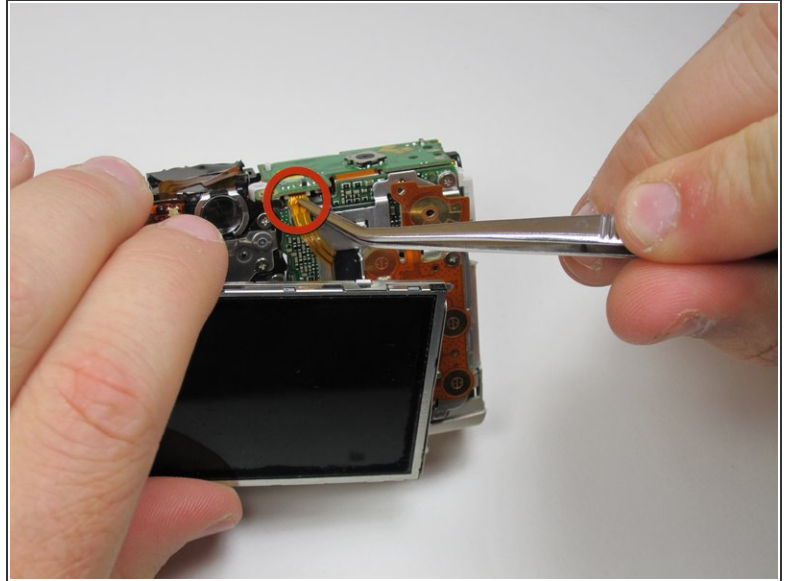
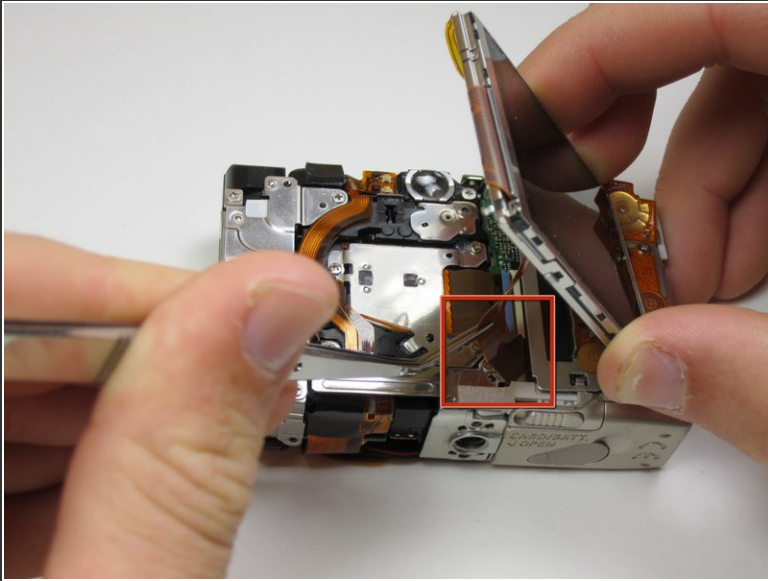
Step 7 — LCD Screen



- Next, peel the navigation buttons from the button panel and set them aside.
- To free the LCD display, remove the .113 inch screw in the top left corner.
- Then, rotate the screen clockwise until it lifts away from the camera.

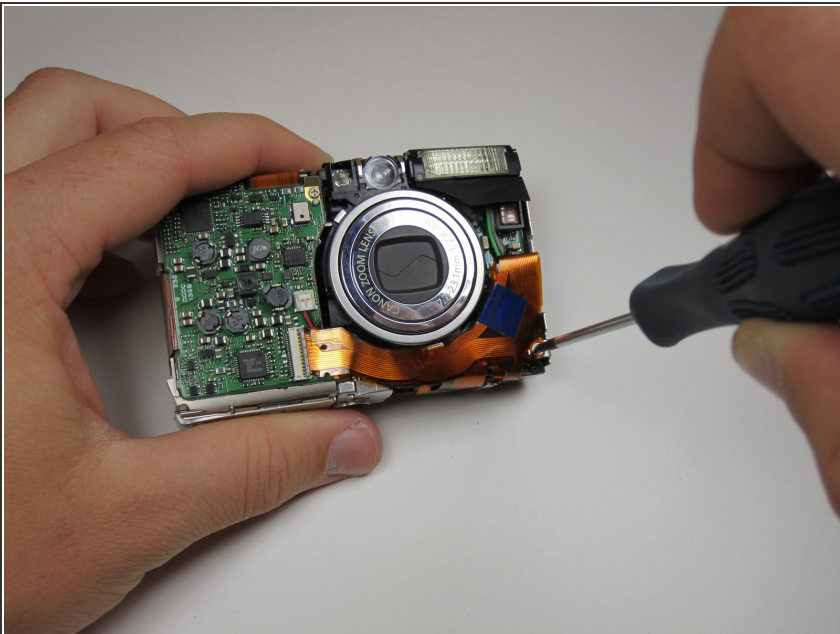
⚠ There are two ribbon cables attached to the rear of the screen. Do not try to pull the screen off at this point.

Step 8



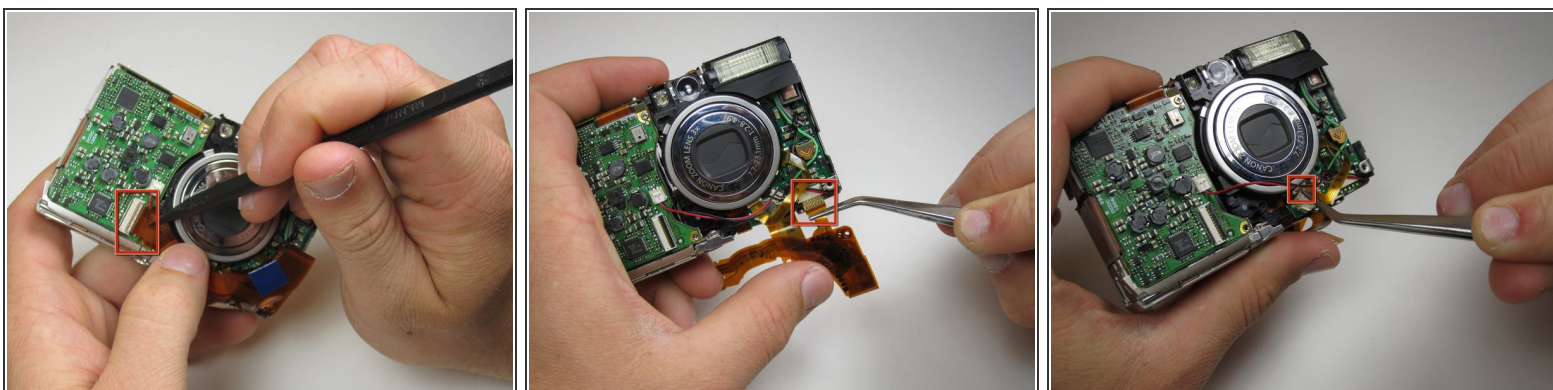
- To unplug the ribbon cables, pull them straight out of their plugs. Do this gently to avoid damaging the connections.
- After disconnecting both cables, pull the screen away from the camera to remove it.

Step 9 — Flash Bulb Assembly



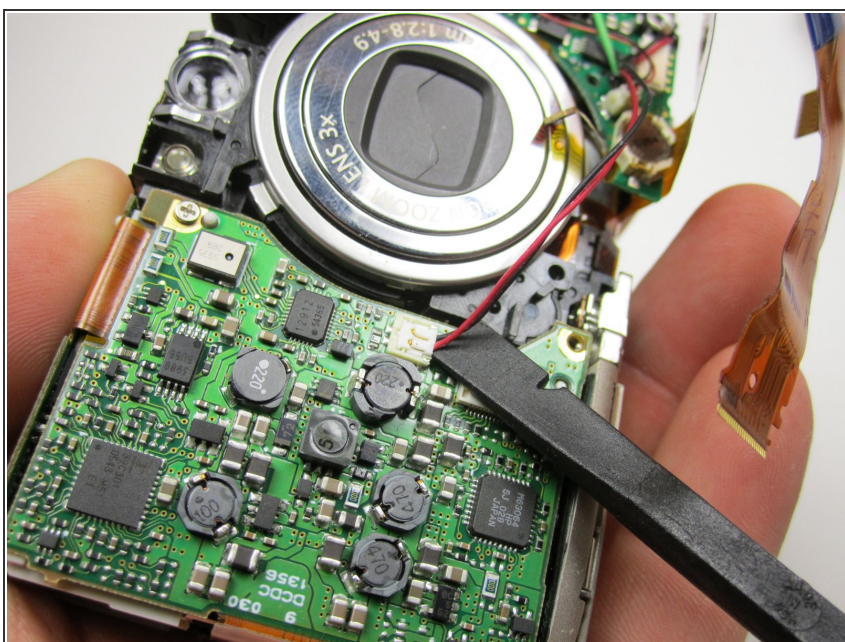
- Once the image sensor is removed, turn the camera over and find the screw in the bottom right corner.
- Remove this .01 inch screw to free the ribbon cables.

Step 10



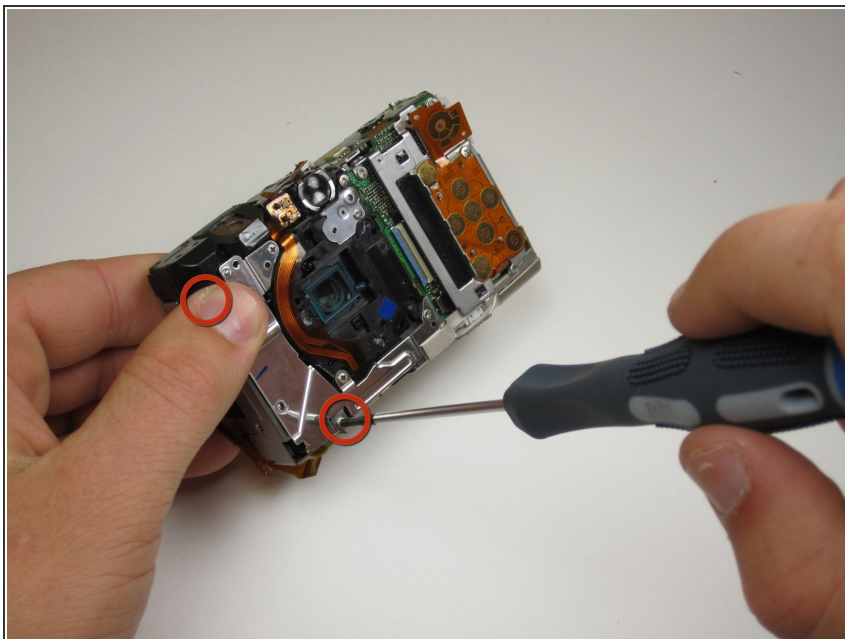
- One by one, detach the three ribbon cables from their ports.

Step 11



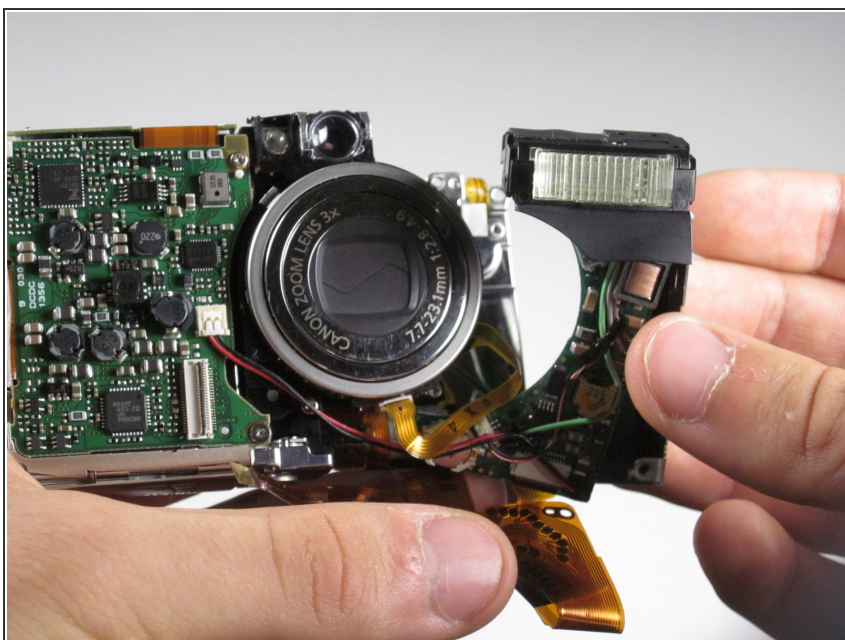
- ⓘ Pay special attention when removing this connector. It does not pull out like the rest of them. Instead, you must use a spudger to lift the connector vertically out of its slot.

Step 12



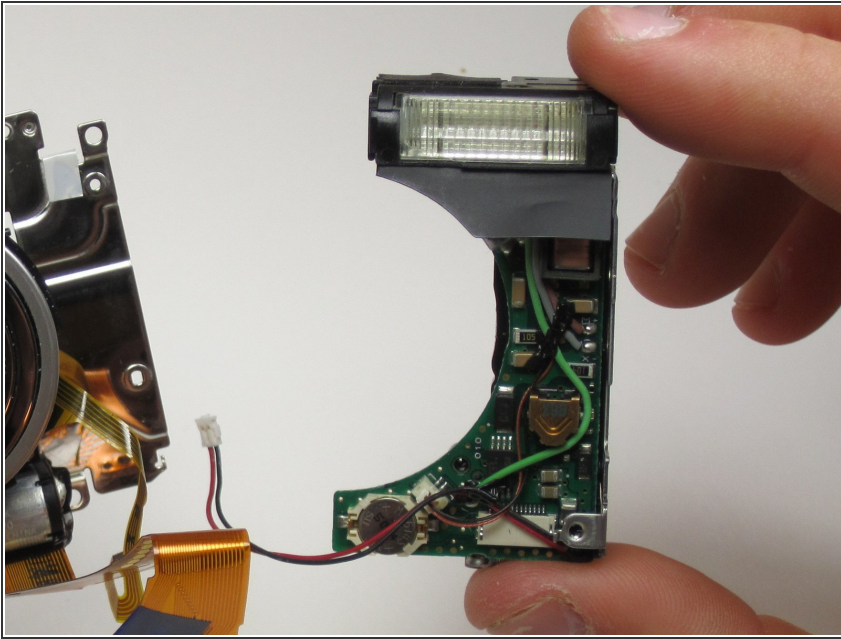
- Flip the camera over again so that the rear is showing and remove the two .065 inch screws holding the flash unit in place. They should be on the left side.

Step 13



- Now you should be able to remove the flash unit from the camera.
- ⚠ When removing the flash, be careful when handling the capacitor. It may contain a powerful charge. Discharge may result in damage and personal injury.

Step 14



- You have now successfully removed the flash unit.

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