



Canon Powershot S200 Flash Unit Replacement

This guide will provide the necessary steps needed for disassembling the camera's flash unit.

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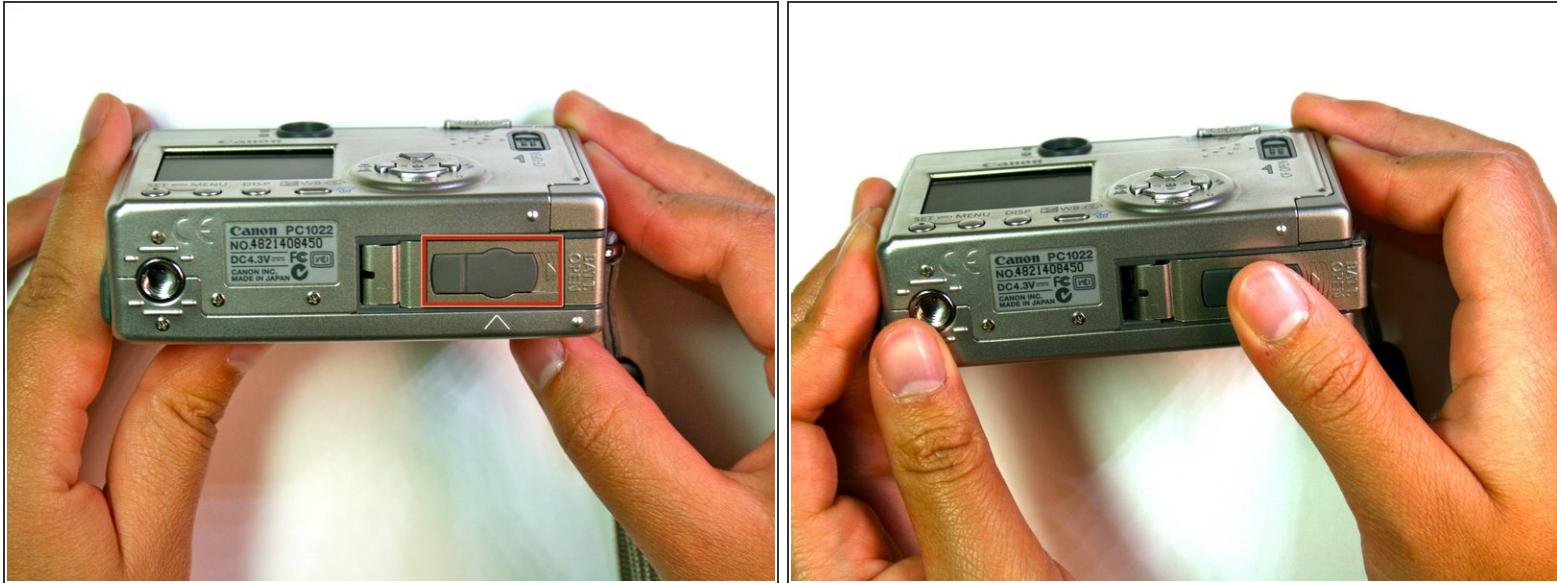
INTRODUCTION

The flash unit provides necessary lighting when not enough is available.

TOOLS:

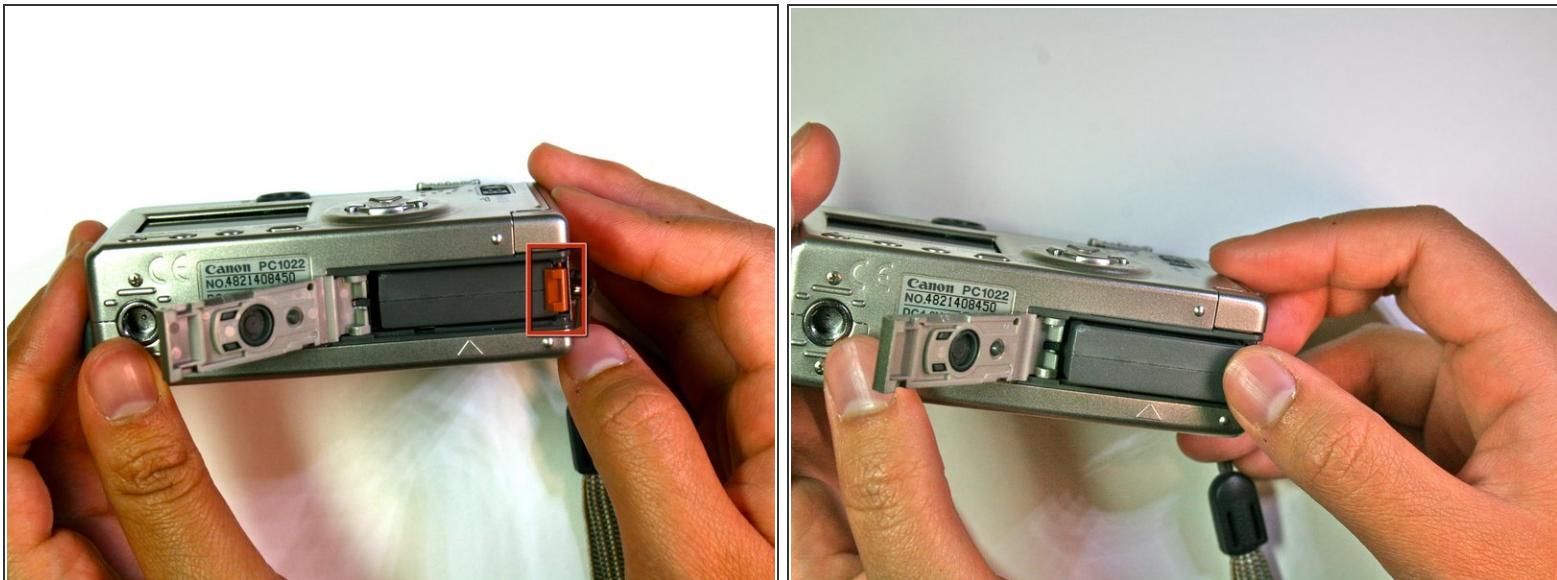
- **Soldering Iron** (1)
- **Phillips #00 Screwdriver** (1)

Step 1 — Battery



- Slide the grey latch to open the battery compartment.

Step 2



- Push and slide the orange retaining clip to the right to remove the battery.

Step 3



- Remove battery from the camera.

Step 4 — Motherboard



- Remove the lanyard.

Step 5



⚠ Be careful to keep track of the different screw sizes as you proceed with this guide.

- Find the bottom face of the camera.
- Remove 2x screws beneath the nameplate (2.3 mm).
- Remove 2x screws surrounding the tripod mount (2.8 mm).

Step 6



- Find the back face of the camera.
- Remove the 1x screw from the back face of the camera (3.8 mm).

Step 7



- Find the right face of the camera.
- Remove x2 screws (2.3 mm).

Step 8



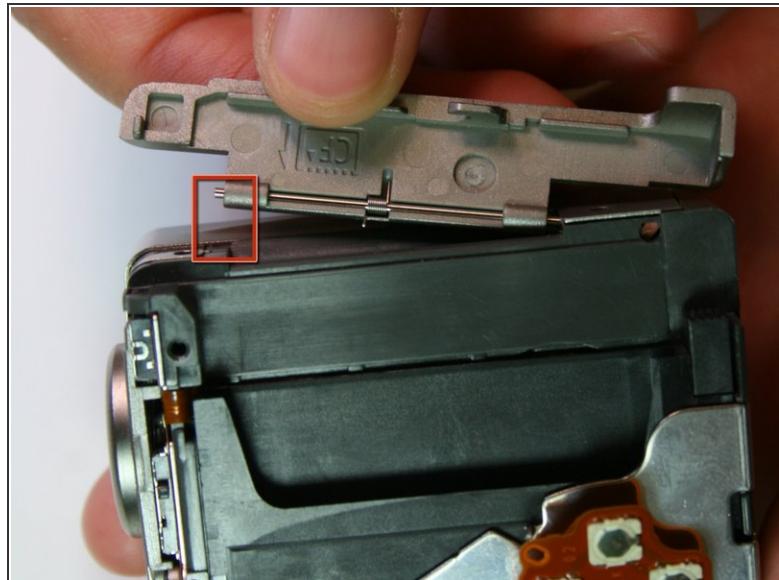
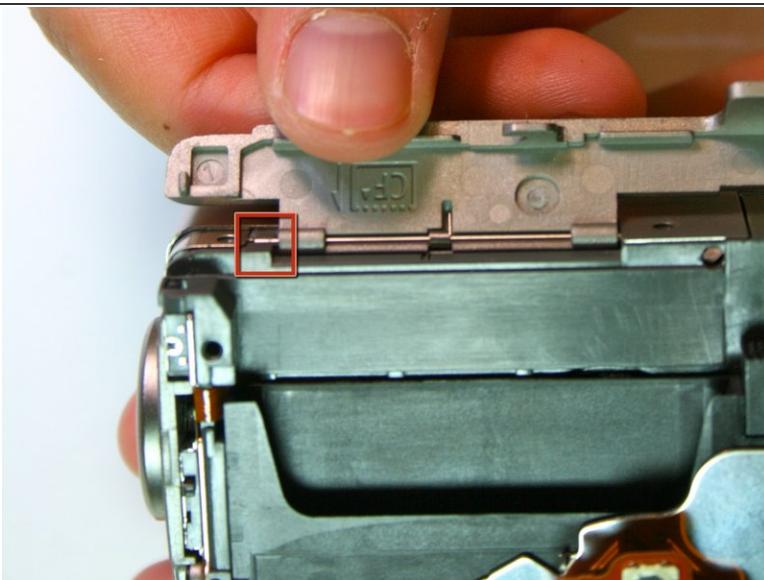
- Find the left face of the camera.
- Remove x2 outer screws (3.2 mm).
- Remove x2 inner screws (3.7mm).

Step 9



- Pull the back face panel away from the front end of the body. This may take some wiggling and force.

Step 10



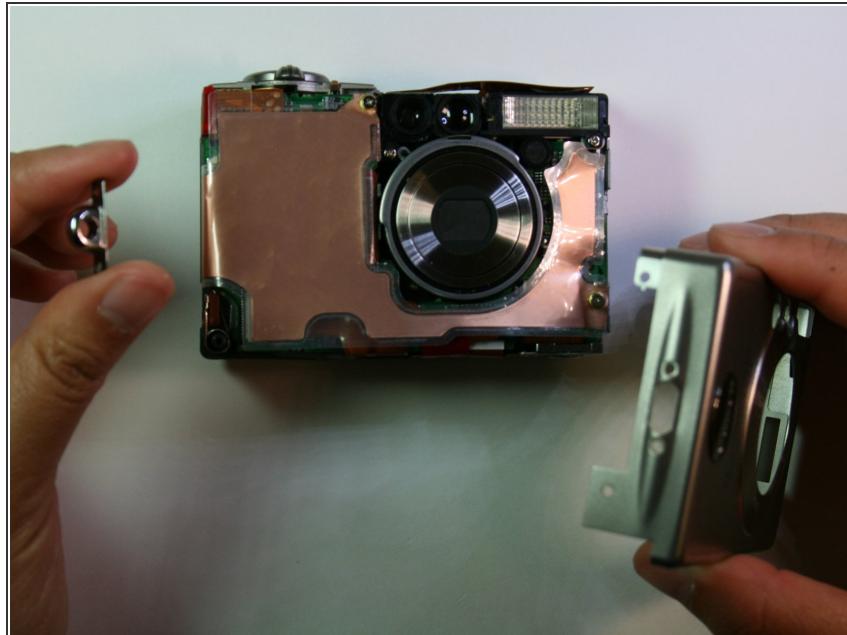
- Remove the CF card door from the left side of the camera body.

Step 11



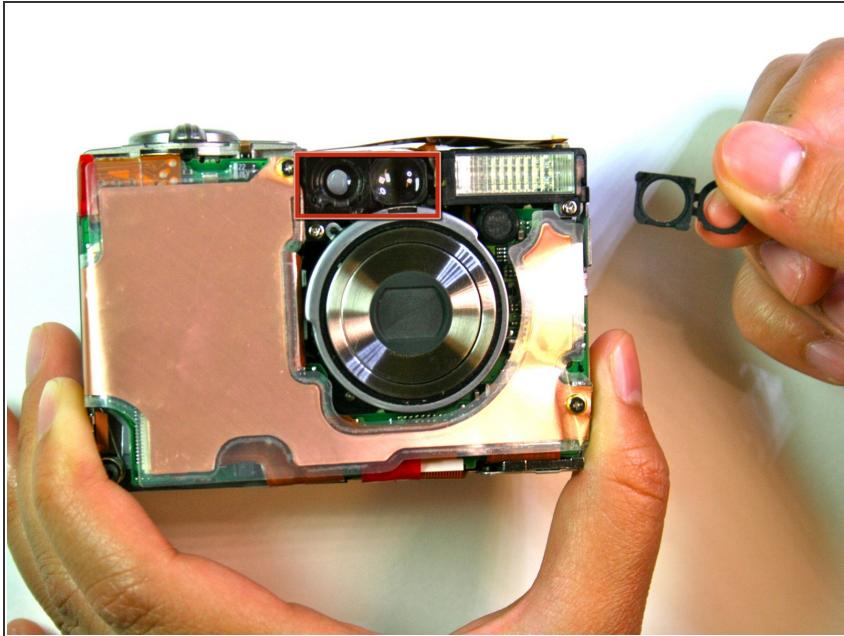
- Slide the rubber digital a/v cap out of place on the front plate.

Step 12



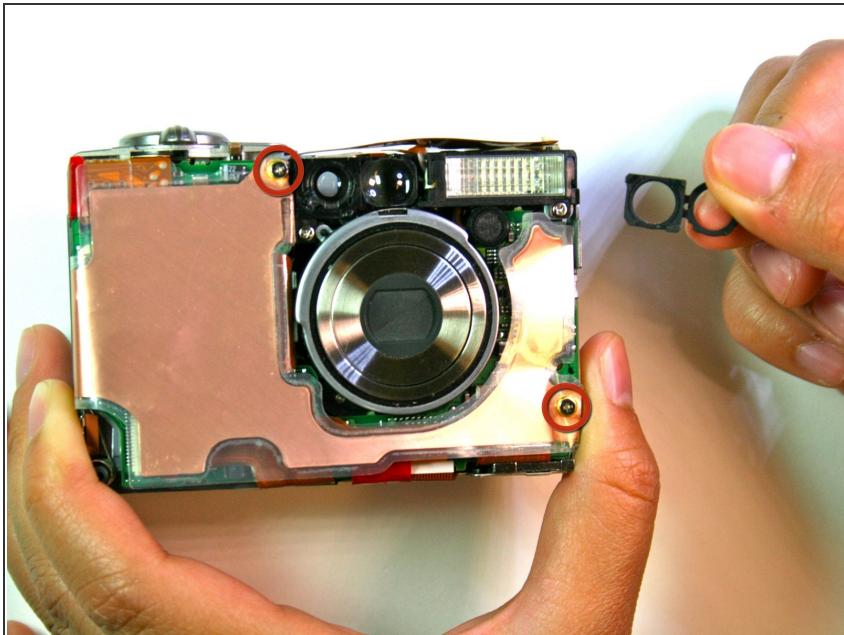
- Remove the front face by sliding it off.

Step 13



- Remove the rubber seal covering the right side of the viewfinder.

Step 14



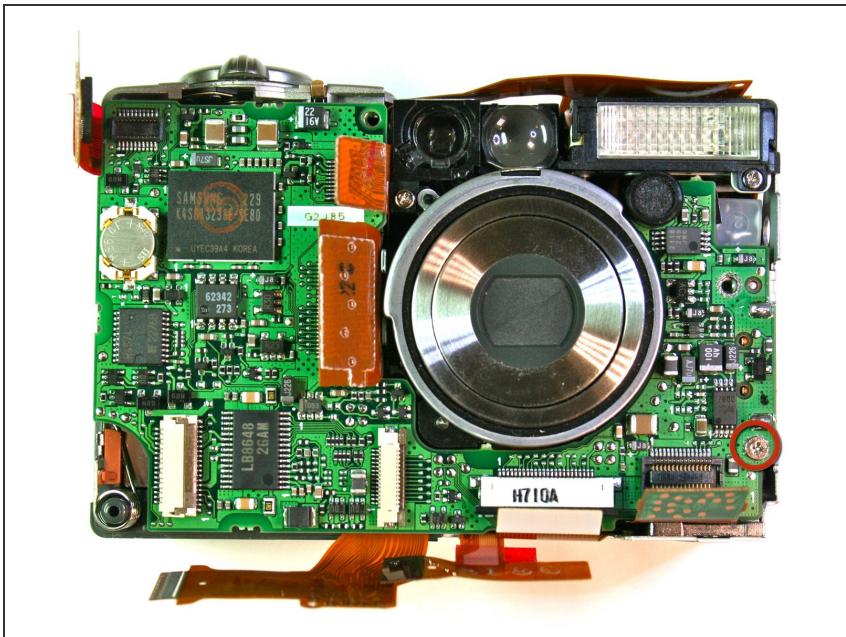
- Remove x2 screws holding the laminated copper sheet (3.9 mm).

Step 15



- Gently remove the wire connections (orange) along the motherboard.

Step 16



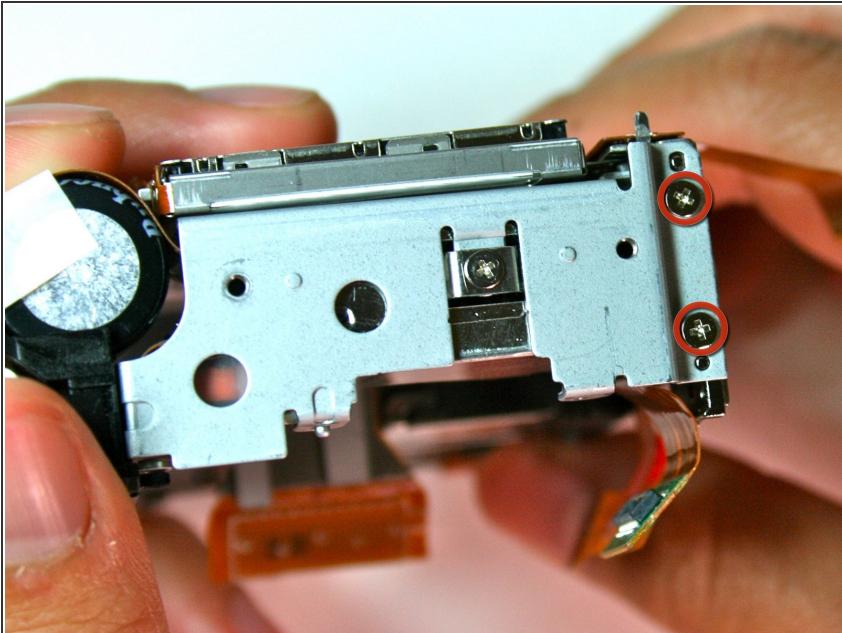
- Remove x1 screw at the bottom right corner of the motherboard (3.8 mm).

Step 17



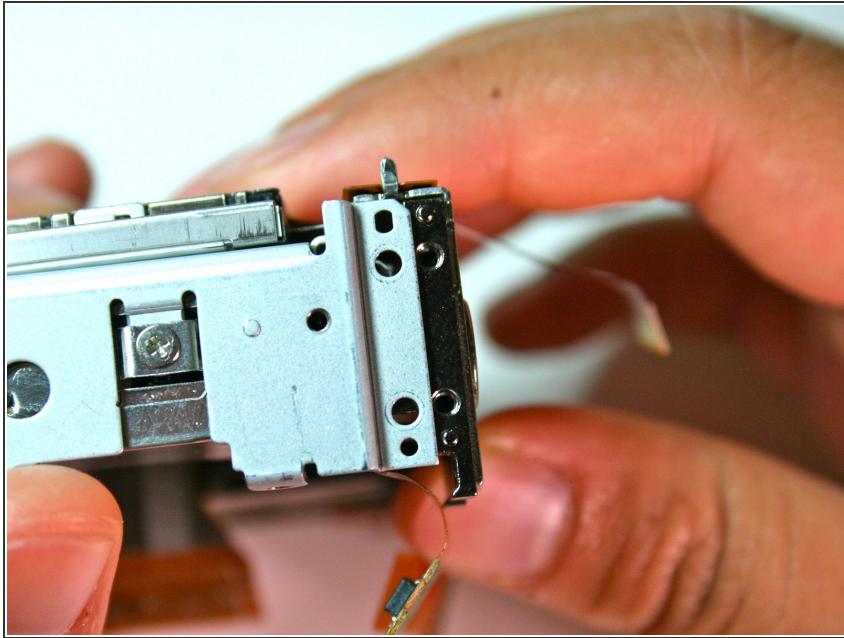
- Remove the motherboard from the main frame of the camera body.

Step 18 — Screen



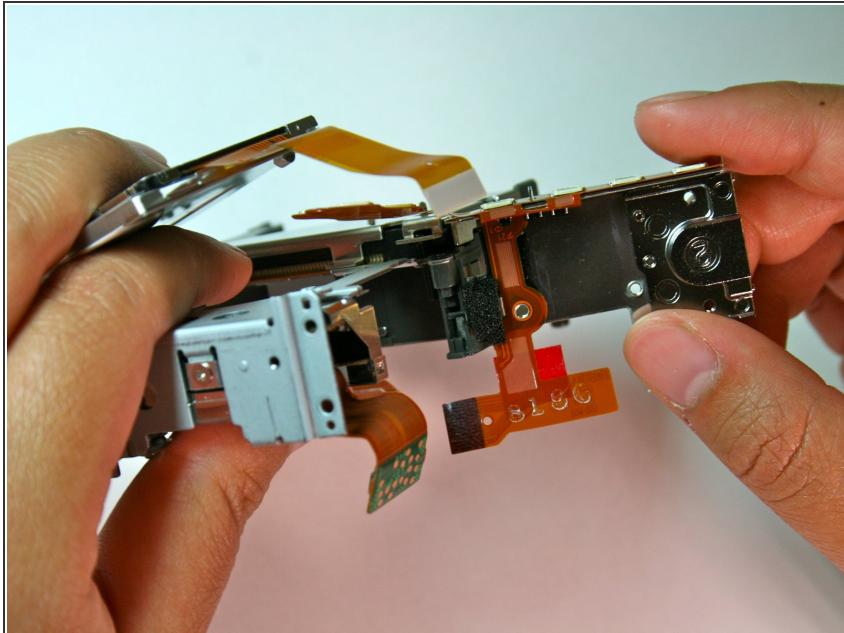
- After completing the removal of the motherboard, remove the tripod mounting screws (3.4mm) on the left side

Step 19



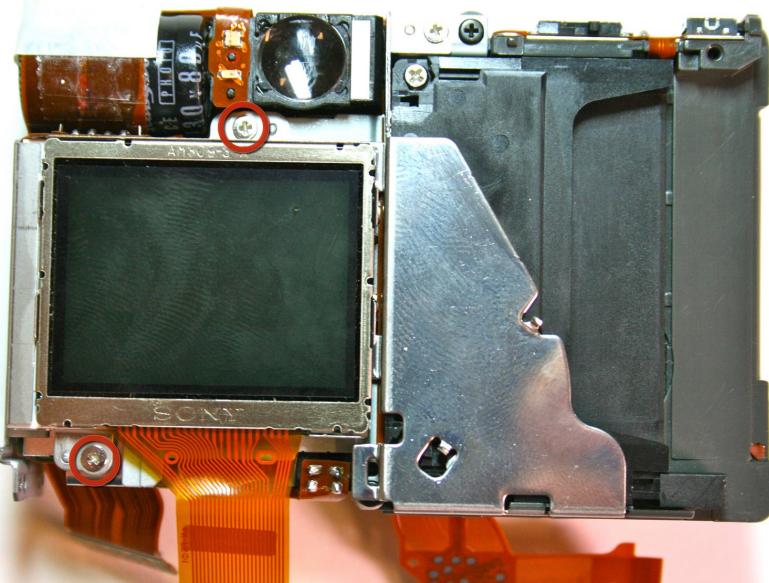
- Carefully pry the left side of the housing plate from the bottom of the tripod mounting plate, releasing it from the two alignment pegs next to the screws

Step 20



- Lift the left side of the tripod mounting plate towards you, lift free the mounting plate from the rest of the assembly
- Be careful because there are still wire connections attached to the mounting plate which you don't want to remove

Step 21



- Remove the 2.1mm screws from the bottom and top of the screen connecting it to the housing plate

Step 22



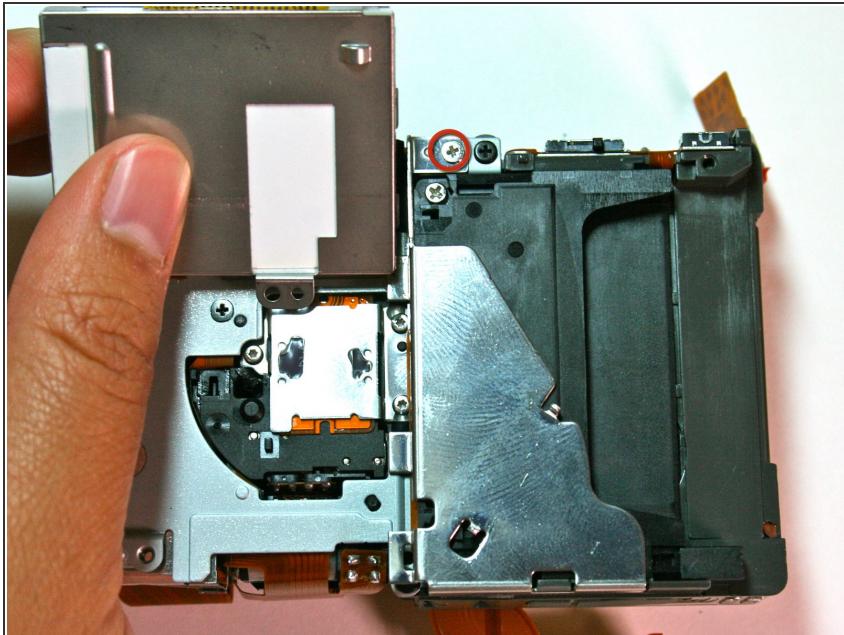
- Unsolder the four points at the top of the screen with a soldering iron

Step 23 — Camera lens



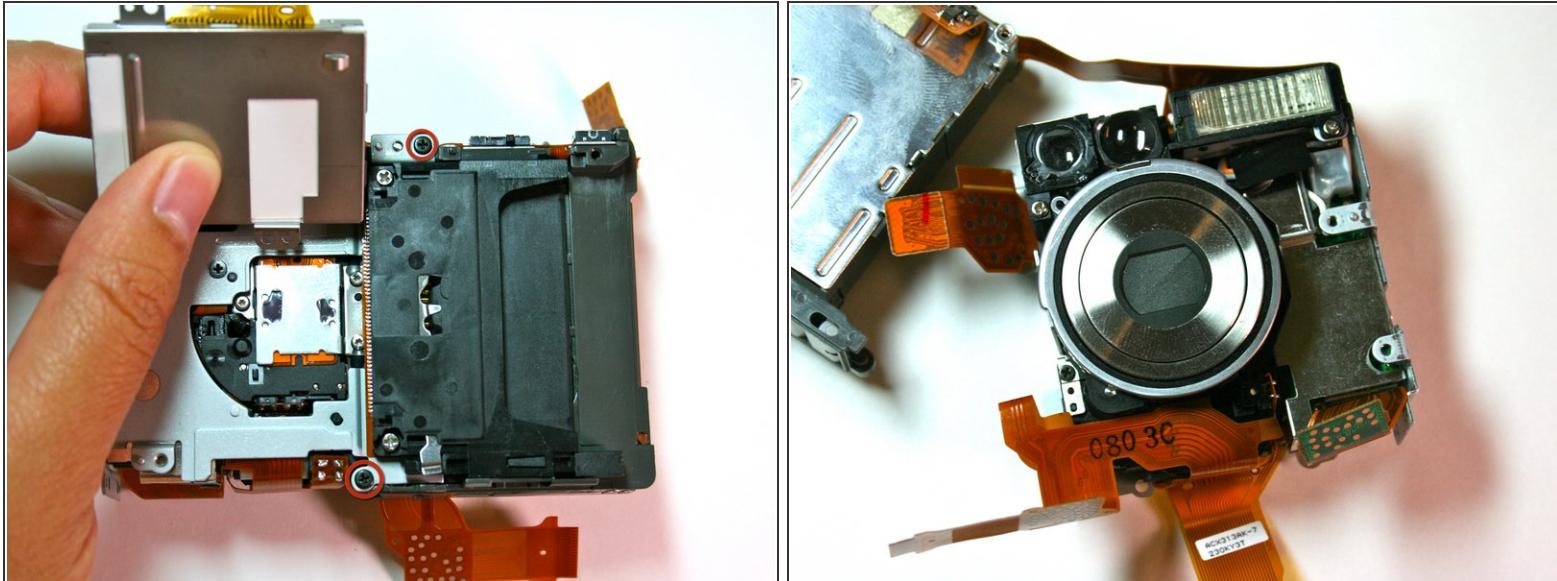
- ⓘ You do not need to unsolder the screen to get to the lens, but follow the rest of the steps to free the screen from the housing plate.

Step 24



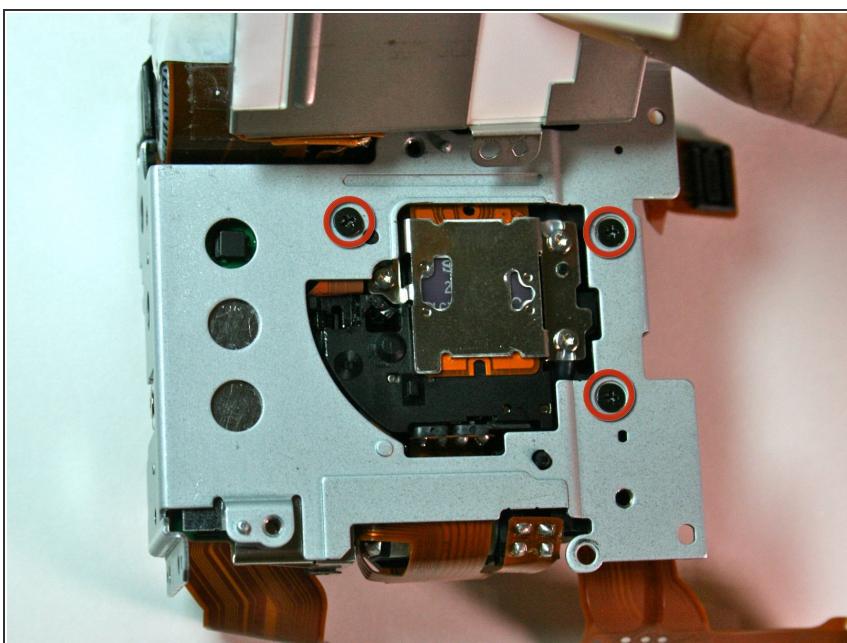
- Remove the card-reader shield by removing the screw at the top of the shield.

Step 25



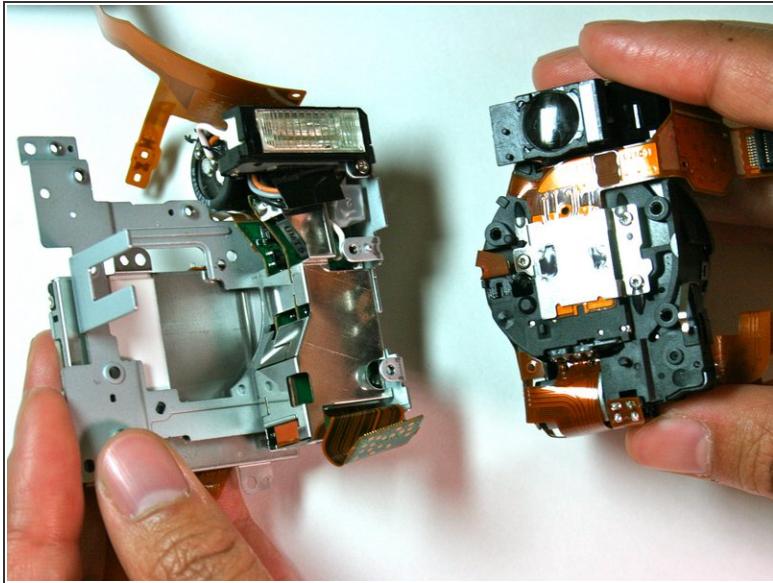
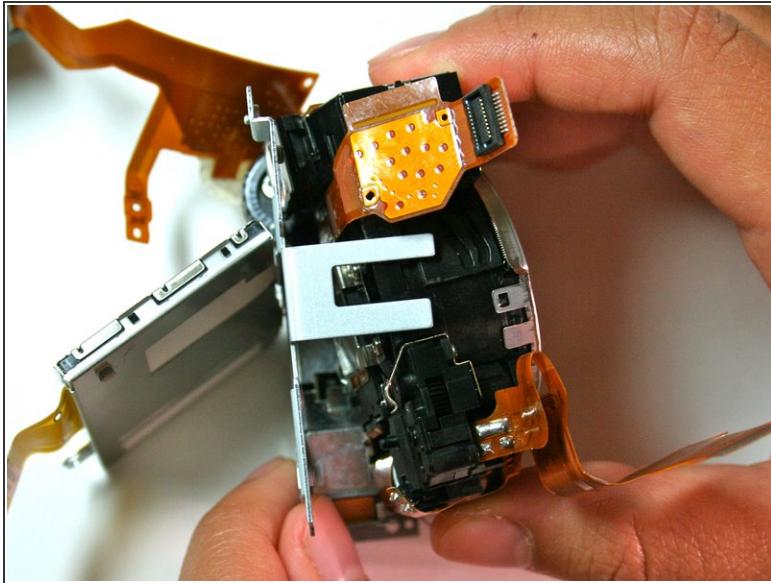
- Remove the 2 black screws that attach the battery box to the housing plate.
- *(i)* The second picture shows the battery box detached from the housing plate.

Step 26



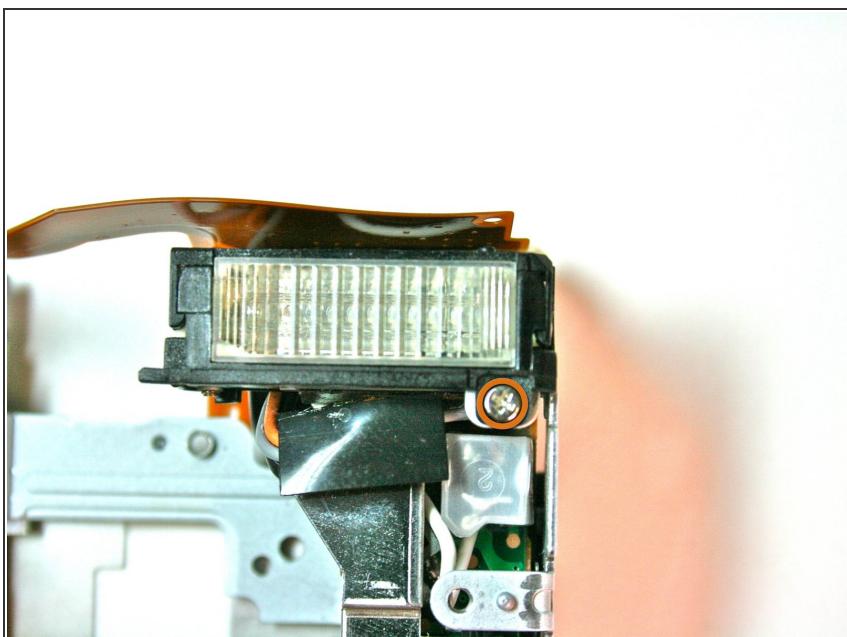
- Remove the three (3.1mm) black screws that were behind the screen and battery box.

Step 27



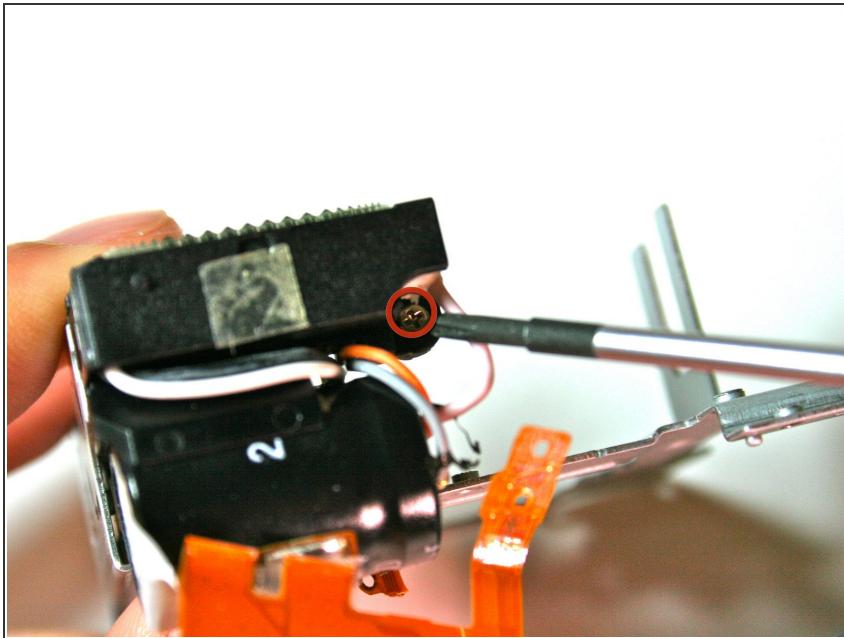
- Carefully remove the lens.
- Remove the bottom side of the lens first before the viewfinder side.
- ⚠ Be careful of wires and delicate parts.

Step 28 — Flash Unit



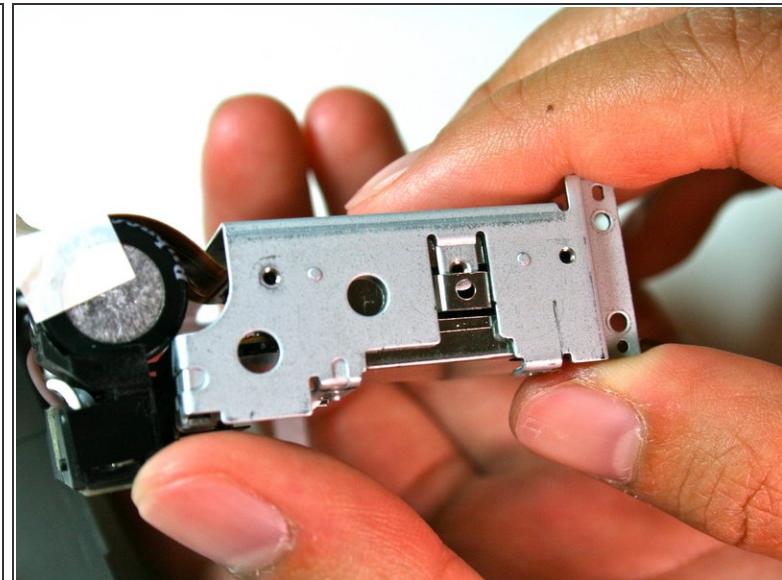
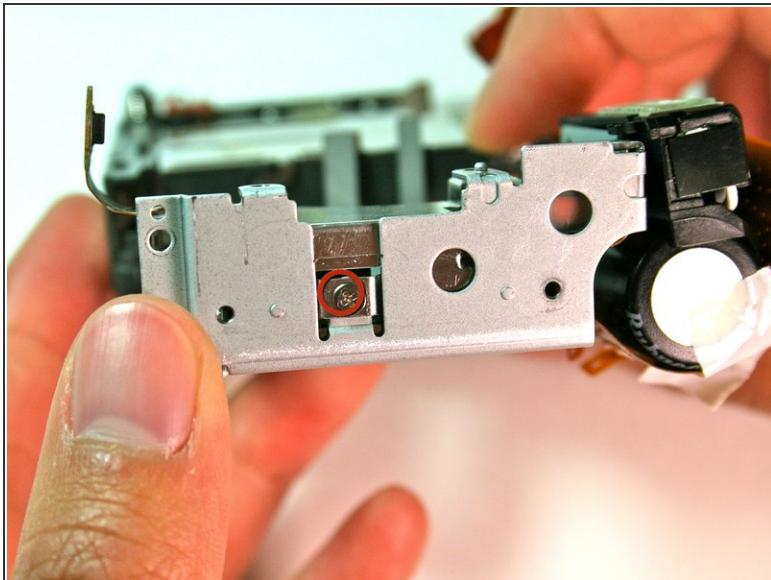
- Remove the 3.3 mm screw from underneath the clear plastic flash unit on the front side.

Step 29



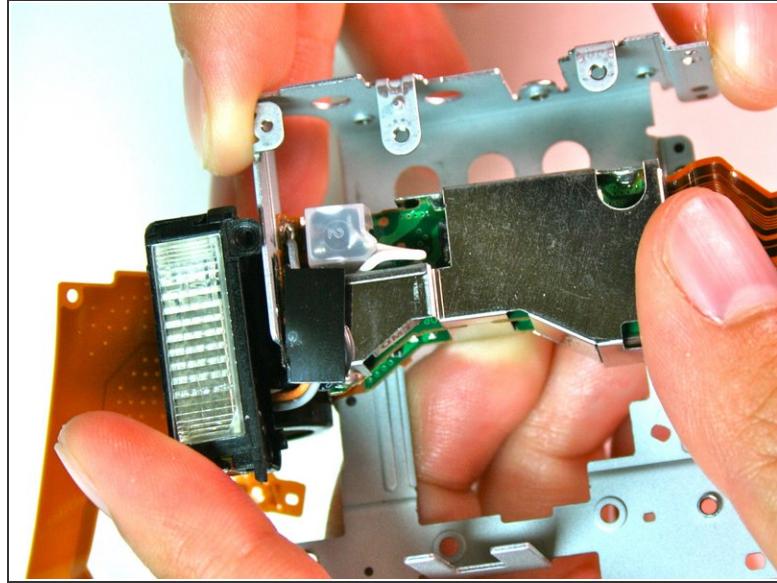
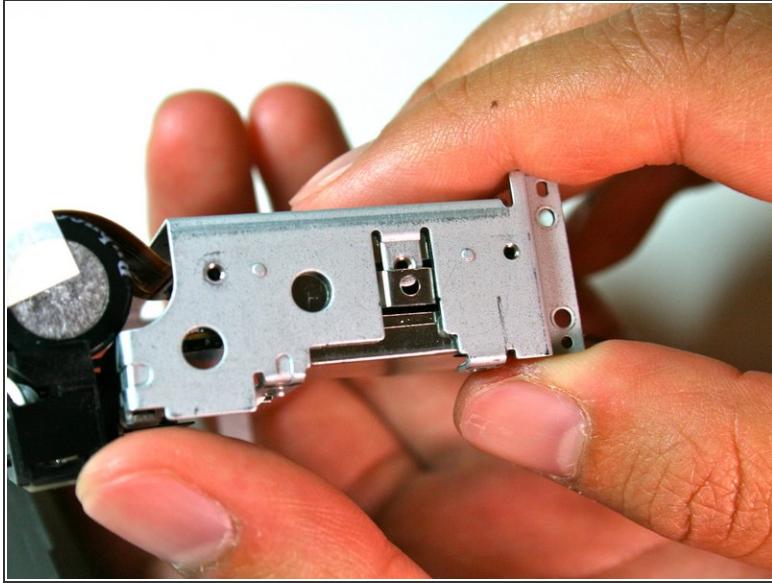
- Remove the 3.4mm screw from the top of the flash unit and housing plate.

Step 30



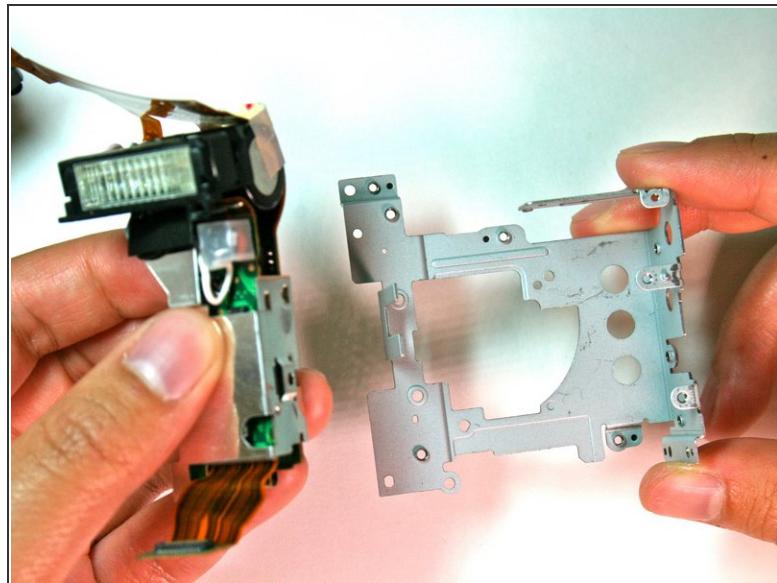
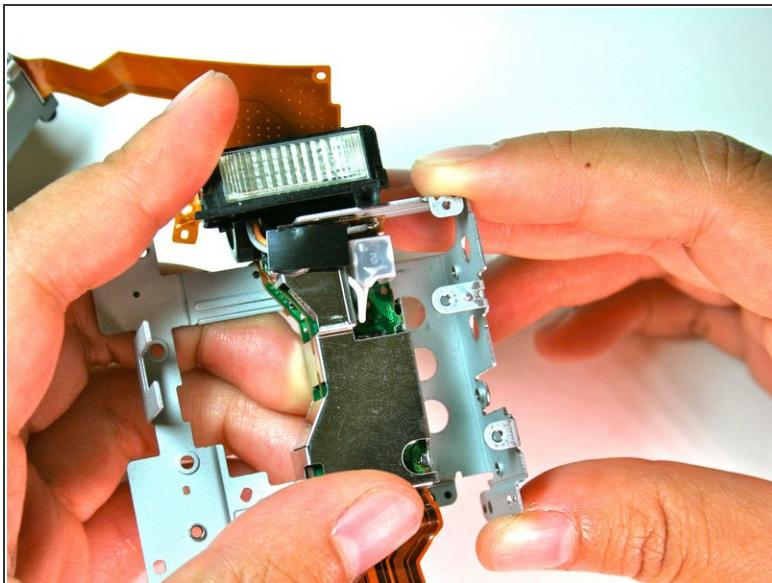
- Remove the 2.1mm screw from the interlocking clip on the right.

Step 31



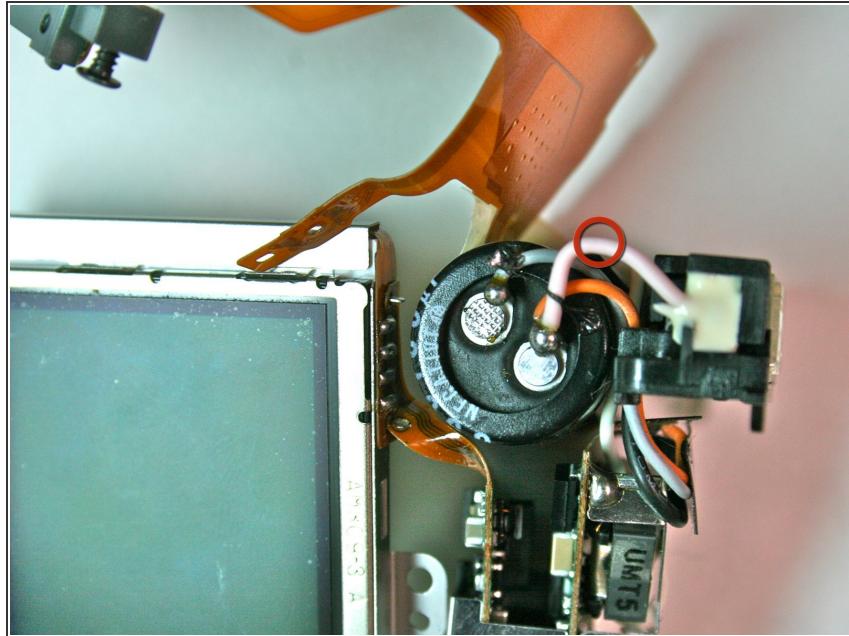
- Pull the flash unit away from the interlocking clip on the housing plate.
- *This will require some maneuvering to free the interlocking clip from the housing plate.*

Step 32



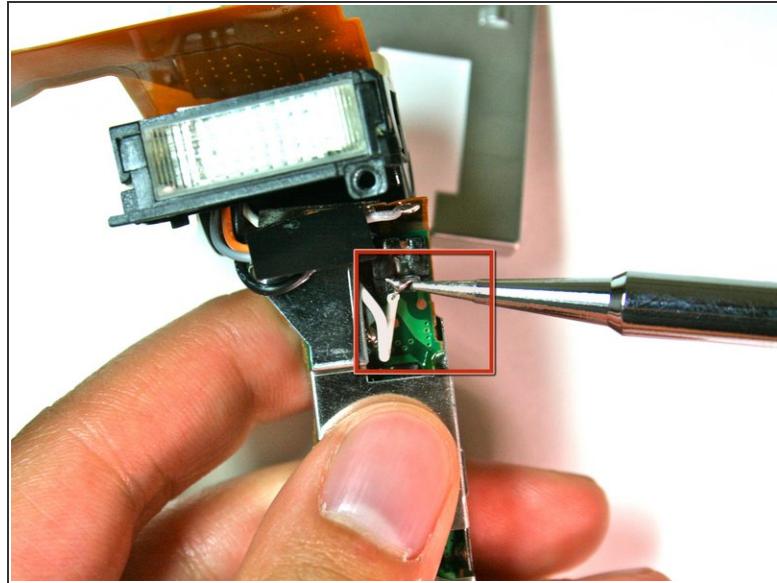
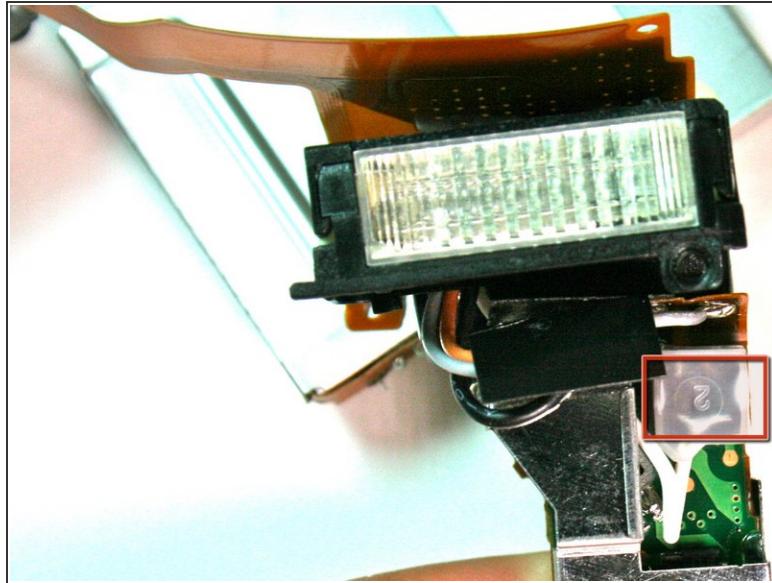
- Slide the flash unit to the left and away from the housing plate.

Step 33



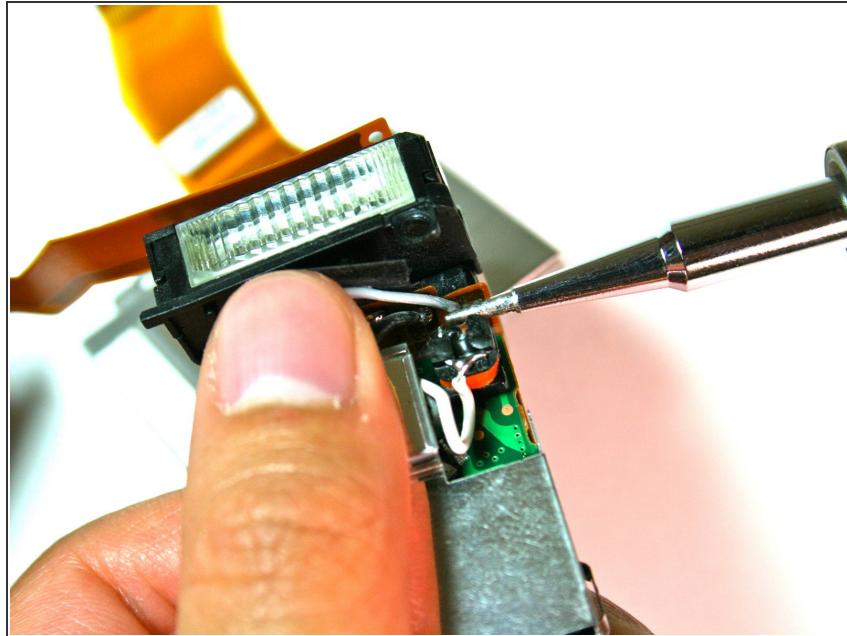
- Unsolder the pink wire from the condenser.

Step 34



- Remove the clear plastic cover from the white wire by lifting off with finger.
- Desolder the white wire.

Step 35



- Remove the gray wire by desoldering it from the underside of the flash unit.

Step 36



- Carefully pull the flash unit off the condenser. There is tape underneath, so some force may be required.

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