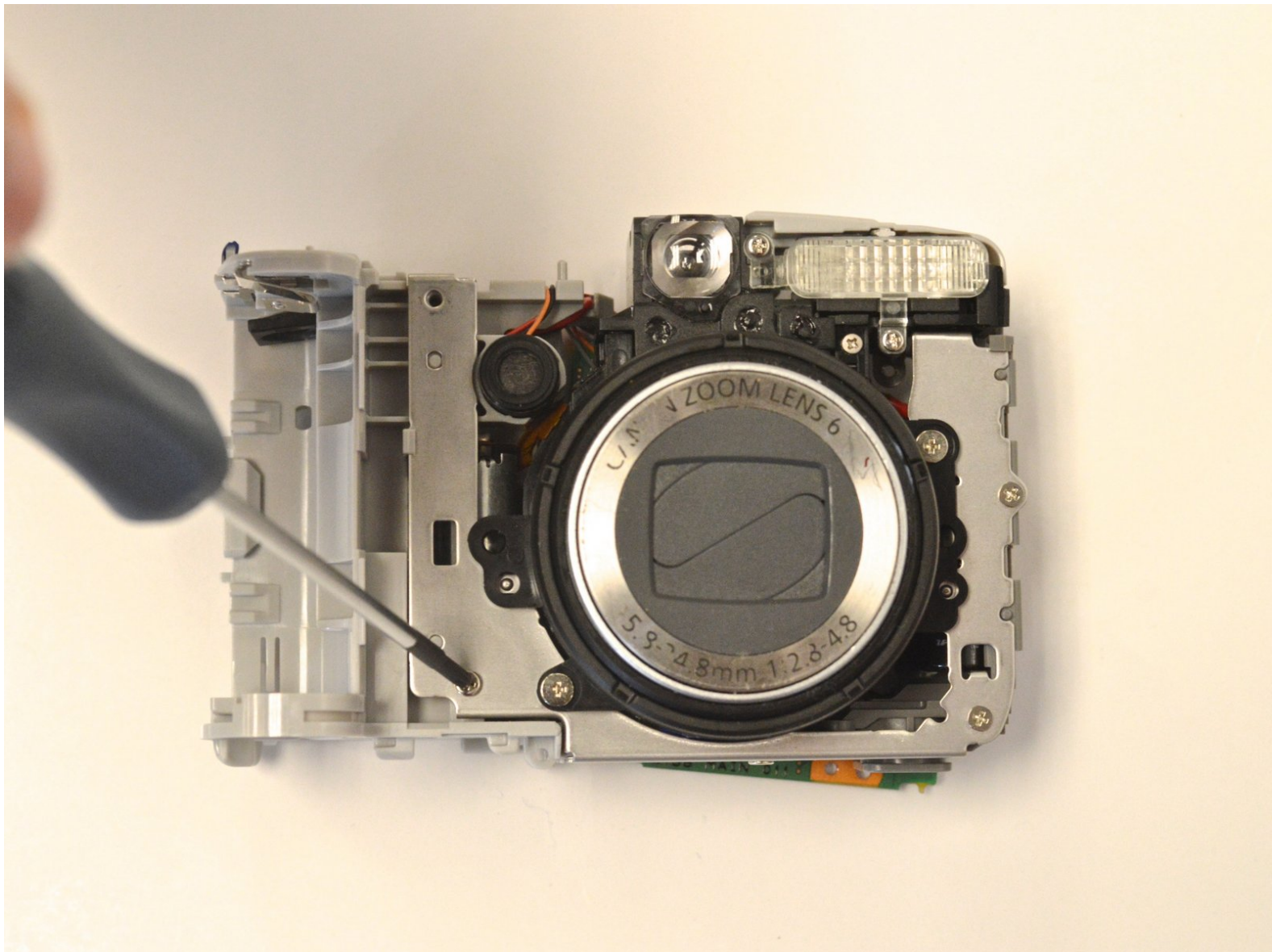




Canon Powershot A720 IS Lens Replacement

This guide will illustrate how to replace the lens if it is stuck or damaged.

Written By: Jamie



INTRODUCTION

If you need to to replace you the lens of your camera, we recommend that you use this guide.



TOOLS:

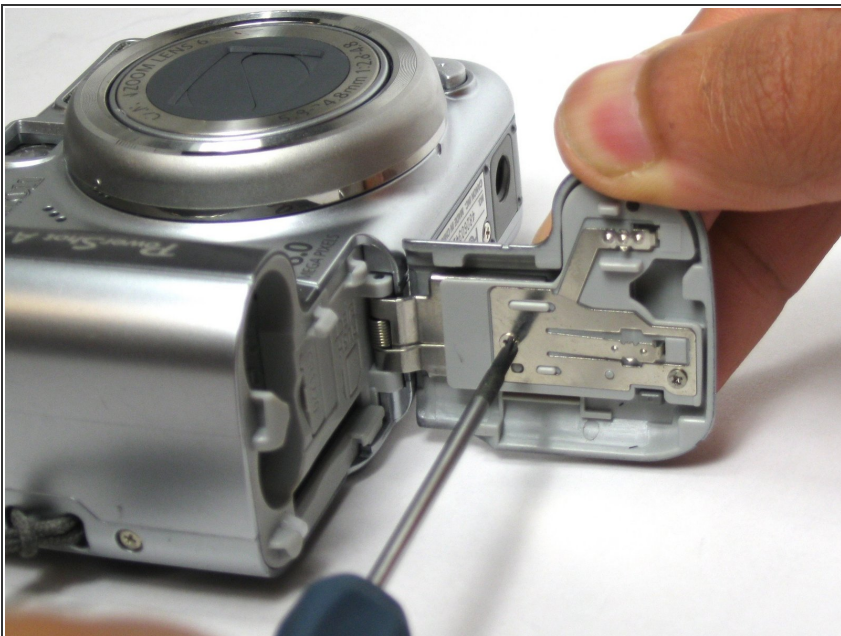
- [Phillips #00 Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Magnetic Project Mat](#) (1)
 - [Tweezers](#) (1)
 - [Portable Soldering Iron](#) (1)
 - [Anti-Static Wrist Strap](#) (1)
-

Step 1 — Lens



- If the initial shutter button dislodge does not work, we have to disassemble the camera.
- On the bottom of the camera, use your thumb and push the battery lock up to open. The battery compartment door should then spring open and batteries will slide out.

Step 2



- Place the camera down so that the lens is facing up.
- Next, use the Phillips #00 Precision Screwdriver to unscrew the inner most 4 mm phillips head screw. This will remove the door from the camera.

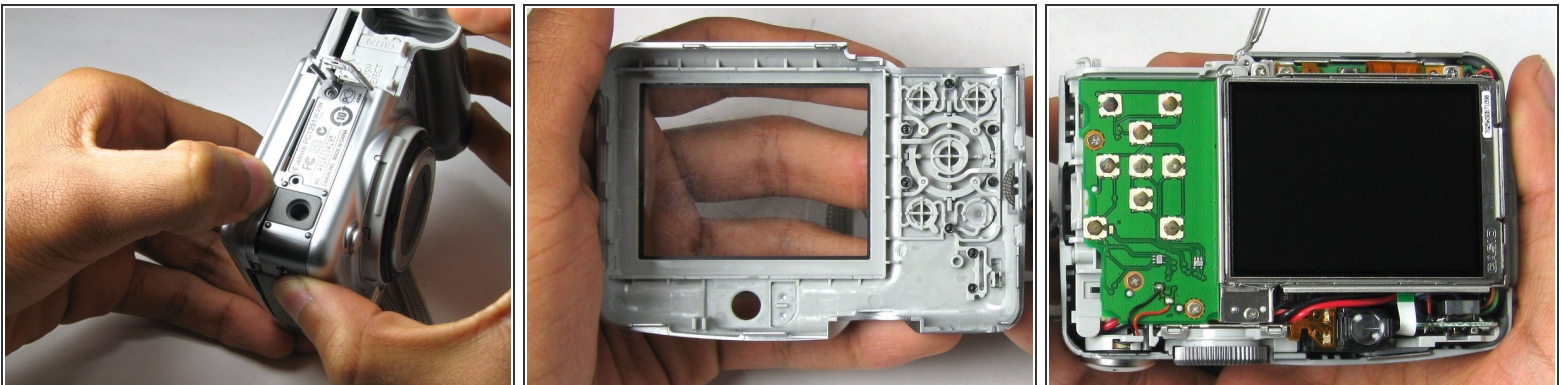
- ✦ Always place screws on the the Magnetic Mat and write the size and location of where they were removed from with a dry erase marker.

Step 3



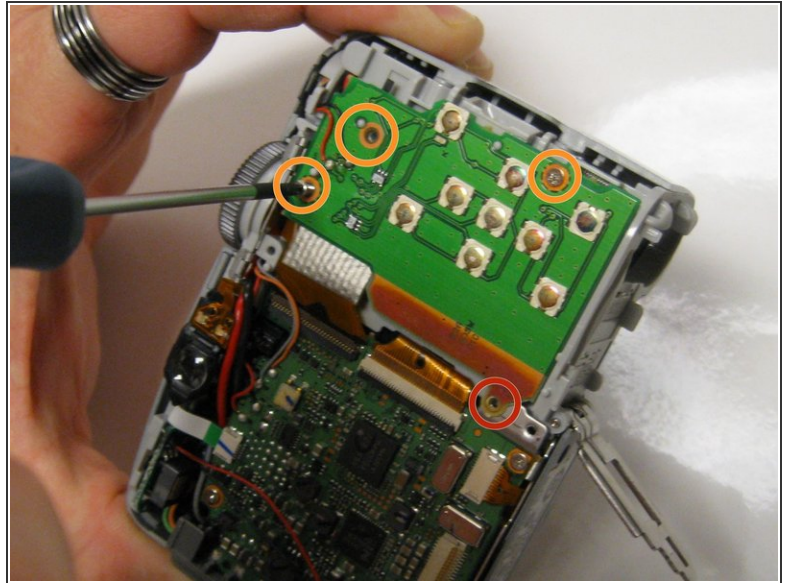
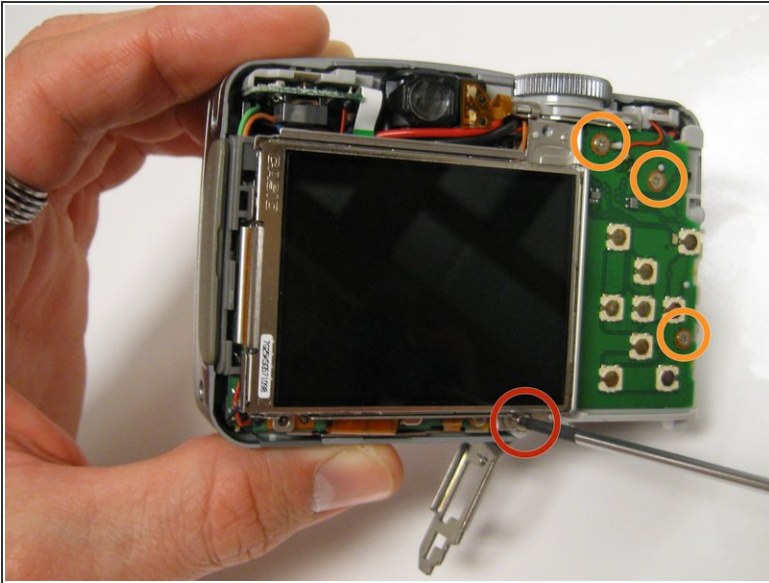
- Remove the six 4 mm phillips head screws that are found on both the sides and bottom of the camera with the Phillips #00 Precision Screwdriver.

Step 4



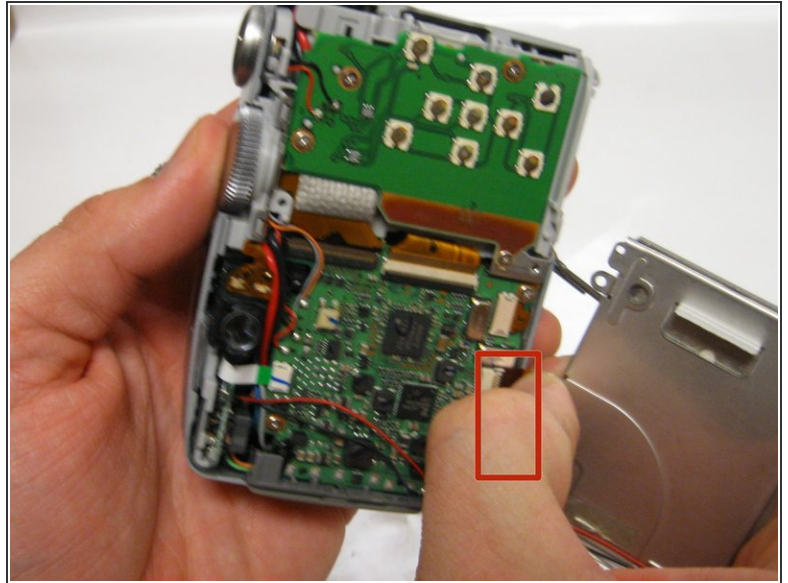
- Slowly and gently pry open with your hands to separate the back case panel from the rest of the camera.
- ⓘ The gray rubber cover labeled DC IN DIGITAL A/V OUT may fall out.

Step 5



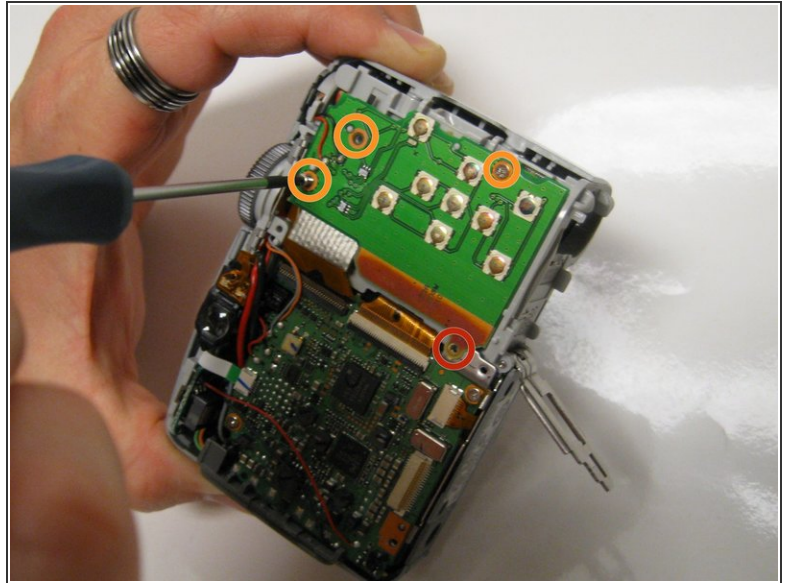
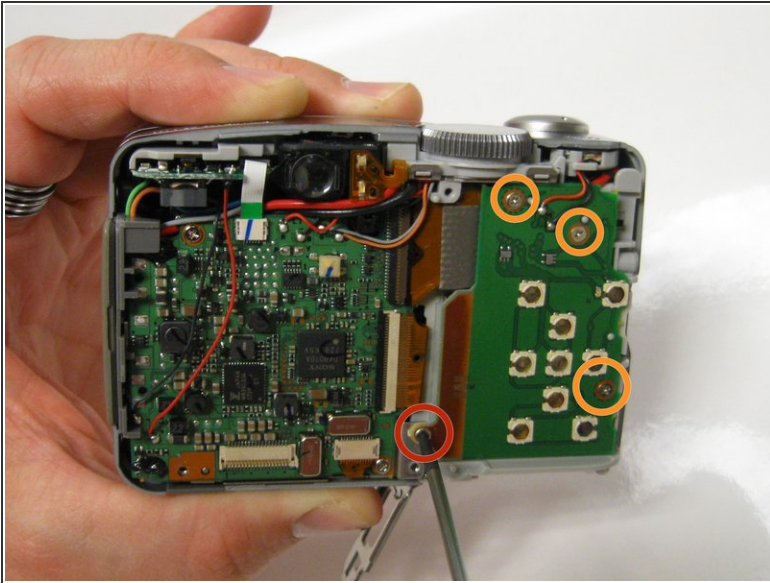
- Unscrew the two 3 mm screws that are below the LCD Screen Mount with the Phillips #00 Precision Screwdriver.
- Unscrew the top 4 mm screw with the Phillips #00 Precision Screwdriver.

Step 6



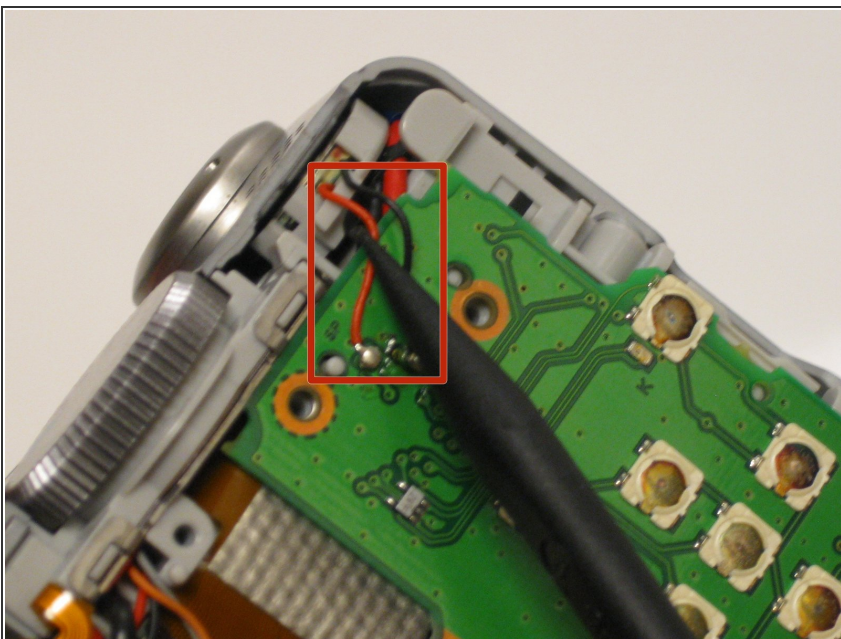
- Carefully lift and turnover the LCD Screen so that you are able to see the motherboard.
- ⚠ Treat the motherboard with care since it is very sensitive to static discharge. Remain grounded to avoid the release of static discharge by wearing a static bracelet.
- Carefully disconnect the LCD Screen ribbon cable away from its ZIF connector with your thumb and index finger. You must make sure to have your thumb and index finger cover as much of the ribbon's width and as close to the ZIF connector as possible without touching the motherboard while pulling the ribbon out.
- ⚠ Be careful to not rip the ribbon wire or the red and black power wires when pulling the LCD screen out.
- ⓘ You do not have unsolder the the LCD screen if you are only replacing the lens.

Step 7



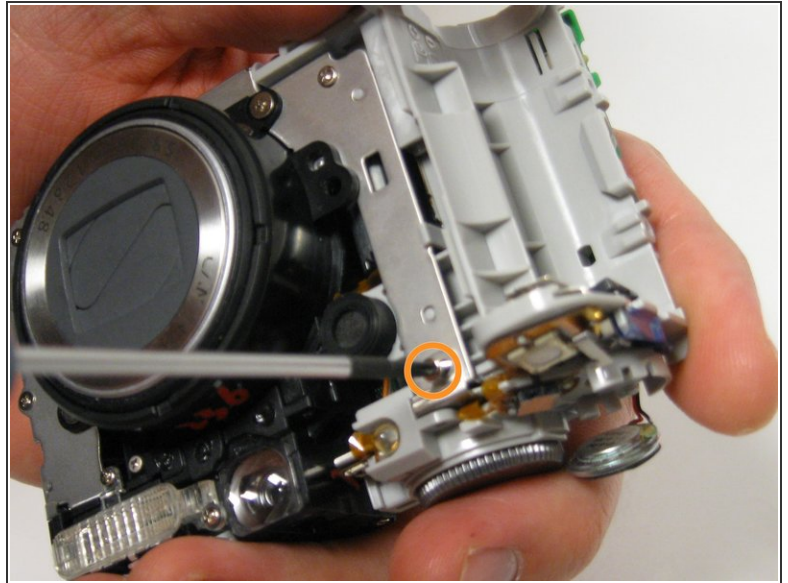
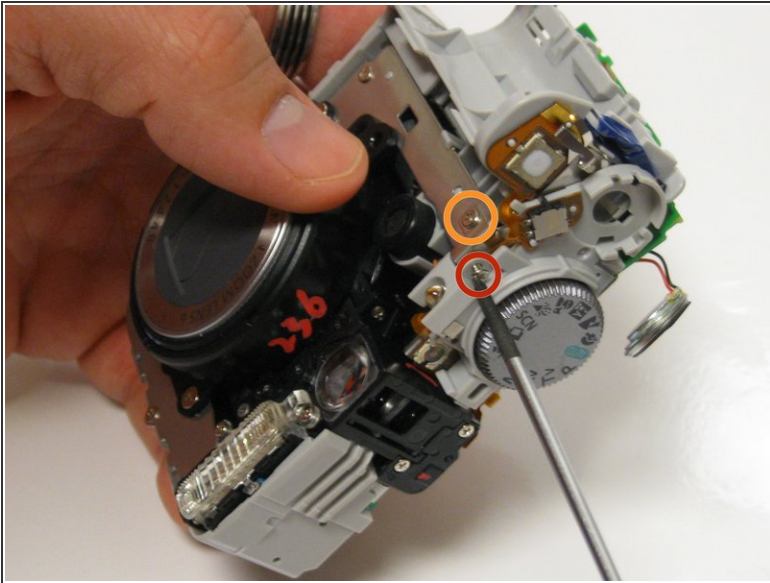
- Remove the 3 mm Phillips head screw that is between the circuit boards.
- ☒ The other screw was the 4 mm screw that is between the circuit boards was taken off during step five of this guide.
- Remove the next three 3.5 mm Phillips head screws that are on the button circuit board.

Step 8



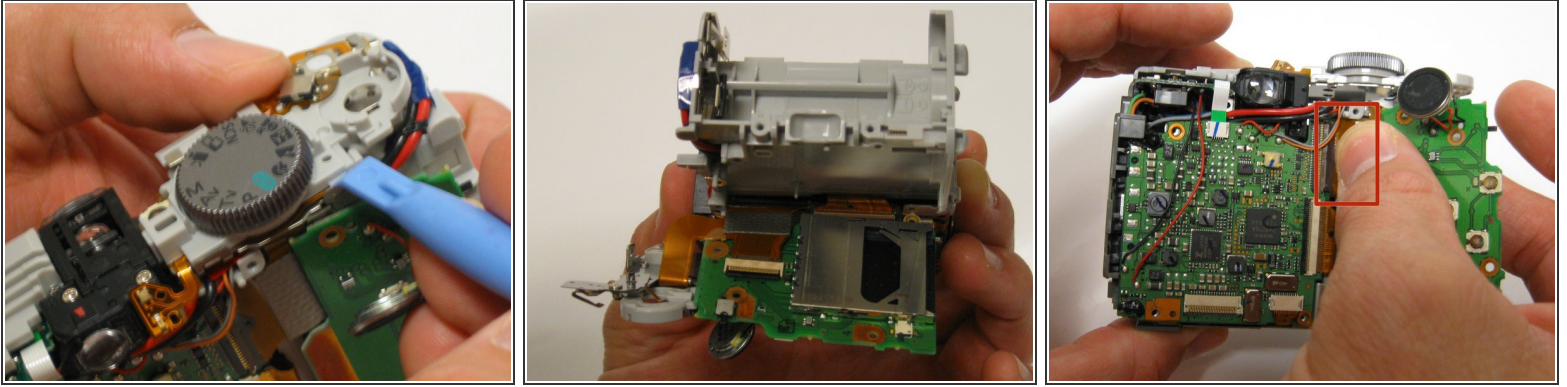
- Use the spudger to unclip both wires from underneath the shutter button and settings dial housing unit.
- ⚠ Be careful not to apply too much force on wires with spudger.

Step 9



- Turn the camera over and unscrew 4.5 mm Phillips head screw to detach the shutter button and settings dial from the rest of the camera.
- From the metal frame, unscrew the 3 mm Phillips screw head to begin to detachment of the battery housing unit.

Step 10

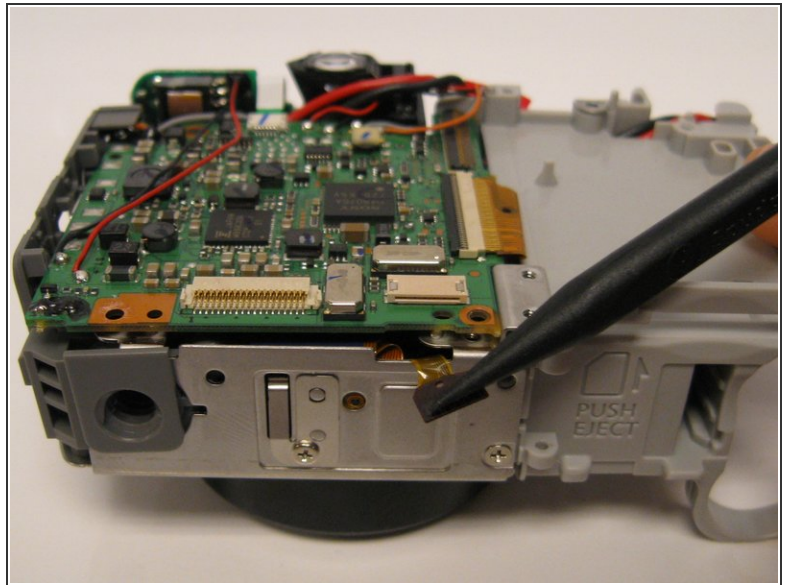
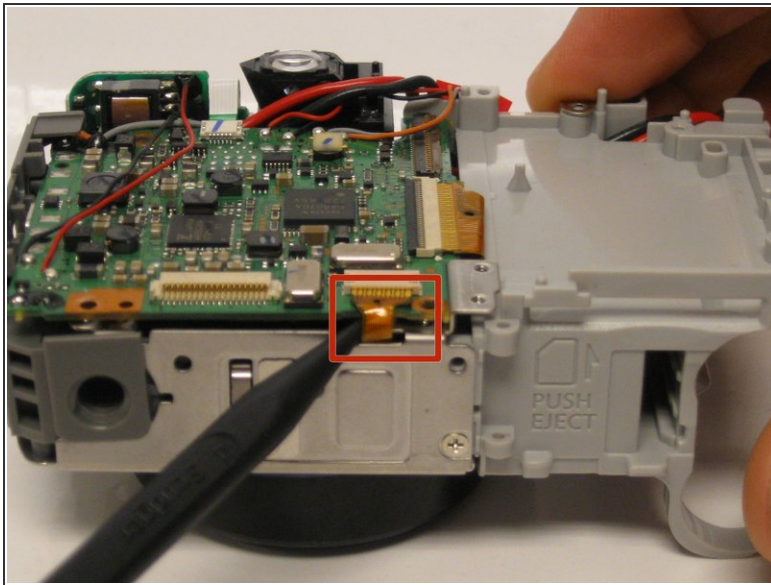


- Use the plastic opening tool to begin separating the button circuit board from the shutter button and settings dial housing unit.
- Carefully disconnect the ribbon cable that is attached to the user buttons circuit board away from the ZIF connector that is attached to the motherboard.

⚠ Be careful not to rip the ribbon cable out of the ZIF connector when removing.

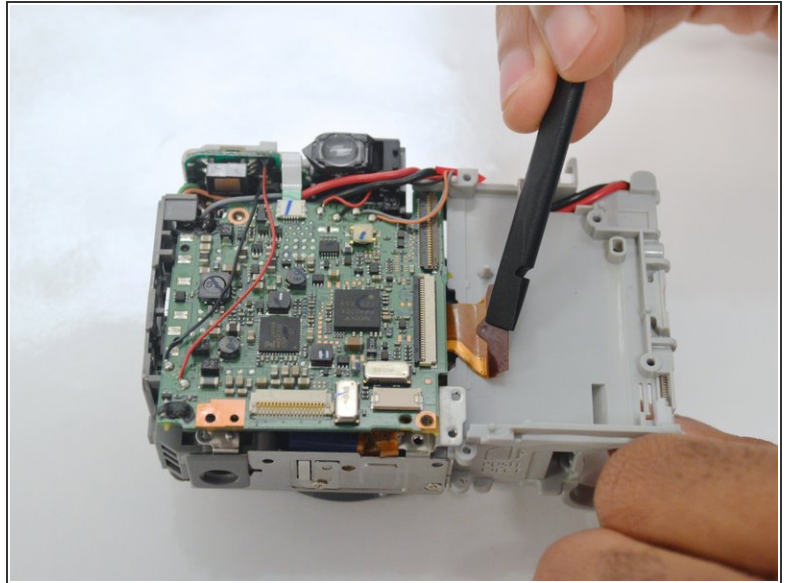
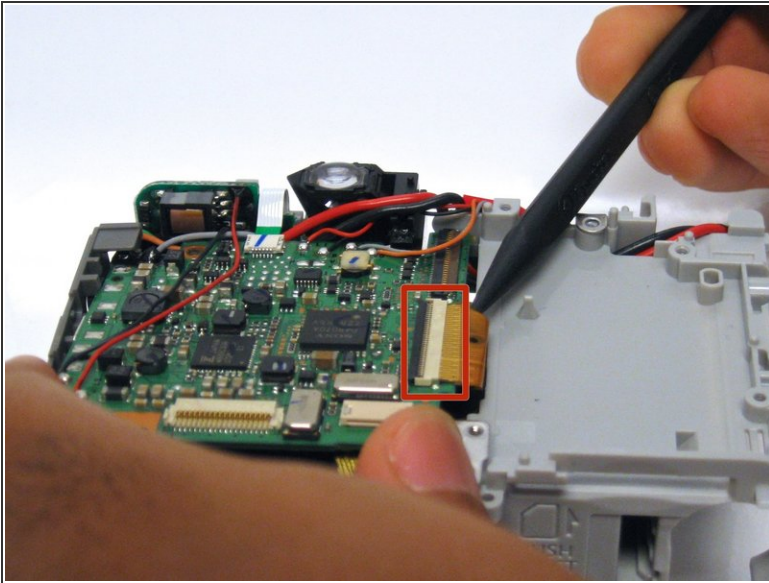
- Remove the user button circuit board.

Step 11



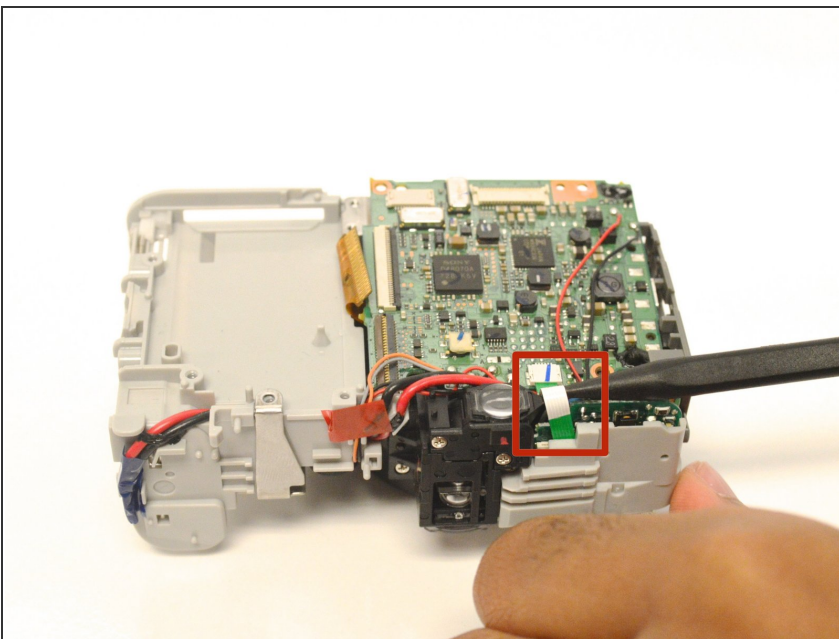
- Use the spudger to carefully remove the attached ribbon cable.
- ⓘ Alternate on both sides of ribbon cable to remove evenly from the ZIF connector every time you use a spudger.
- Be careful not to rip ribbon cable attached to motherboard out of the ZIF connector.

Step 12



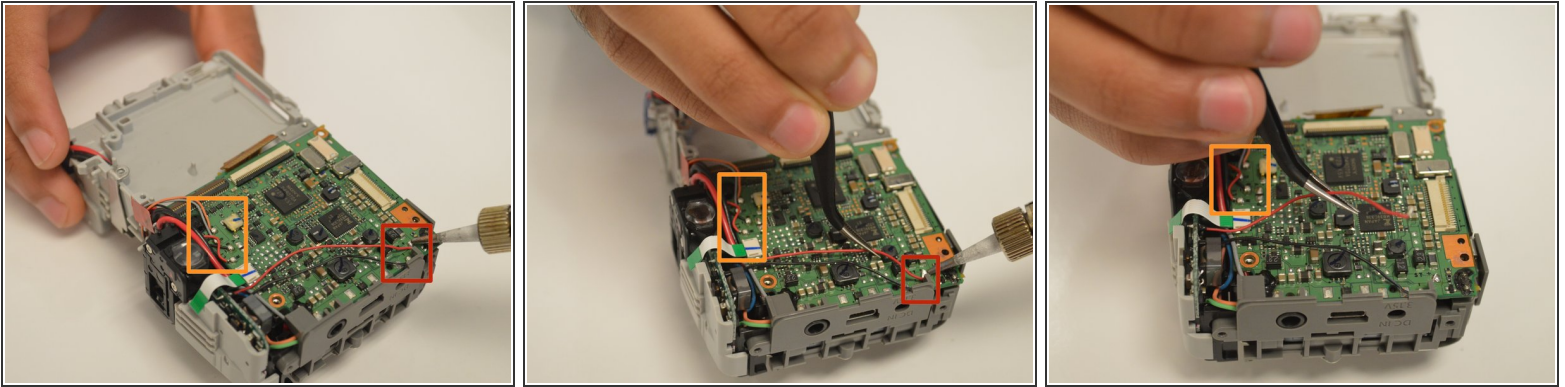
- Use the spudger to carefully remove the attached ribbon cable.
- ⓘ Alternate on both sides of ribbon cable to remove evenly from the ZIF connector every time you use a spudger.
- ⚠ Be careful not to rip the ribbon cable out of the ZIF connector while removing.

Step 13



- Next, use the spudger to remove the green ribbon from the attached ZIF connector.
- ⓘ Alternate on both sides of ribbon cable to remove evenly from the ZIF connector every time you use a spudger.
- ⚠ Be careful not to rip the ribbon cable out of the ZIF connector while removing.

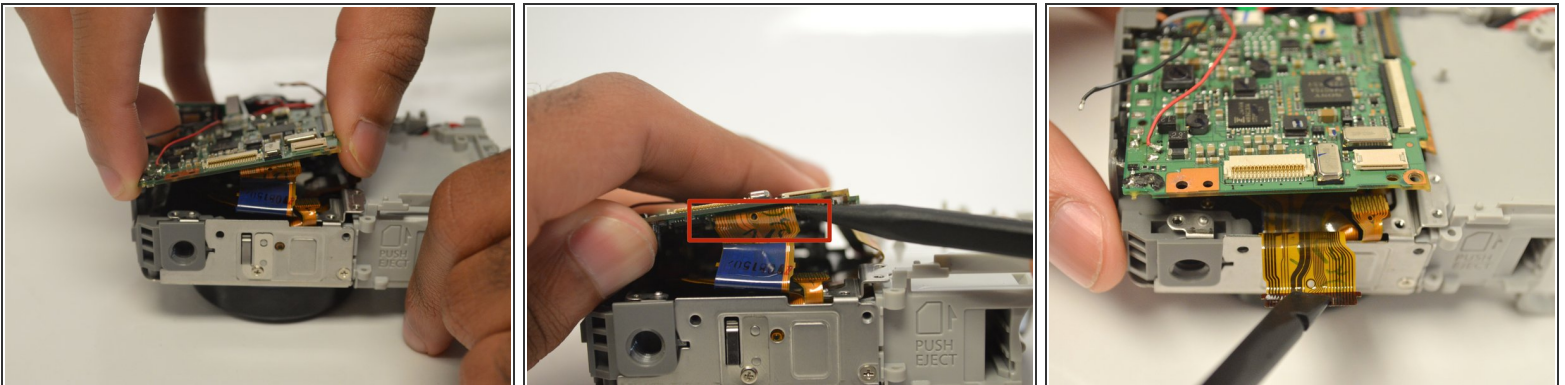
Step 14



- Unsolder all of the wires attached to the motherboard and move them aside with the tweezers.

⚠ Be observant of where you are soldering because you can easily disrupt the power distribution.

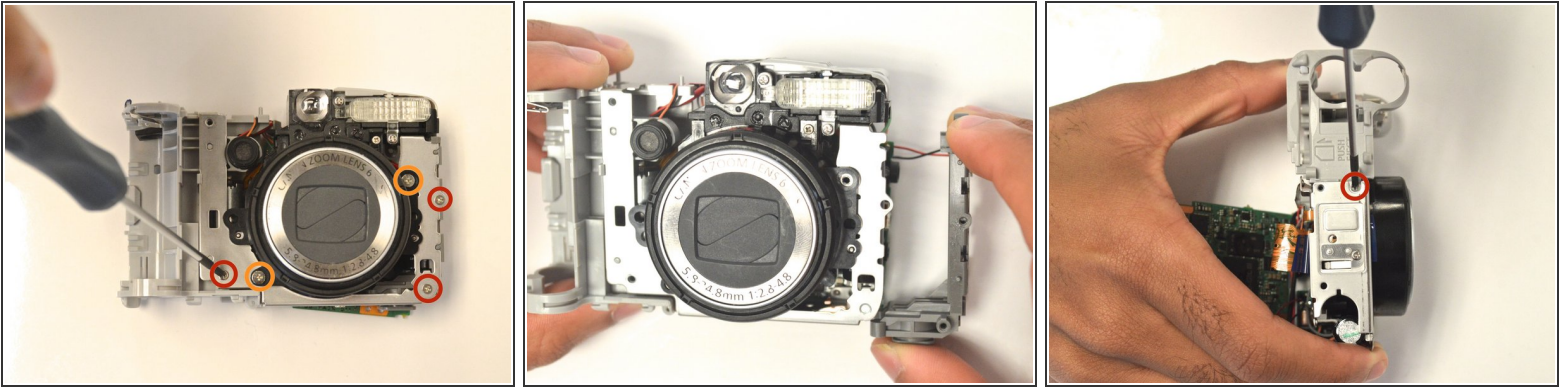
Step 15



- After all of ribbons have been disconnected, gently lift the motherboard to expose the ribbon cable that connects the motherboard to the lens.
- Use the spudger to remove the ribbon cable attached to the motherboard. Be sure to alternate both sides of ribbon cable to evenly remove.

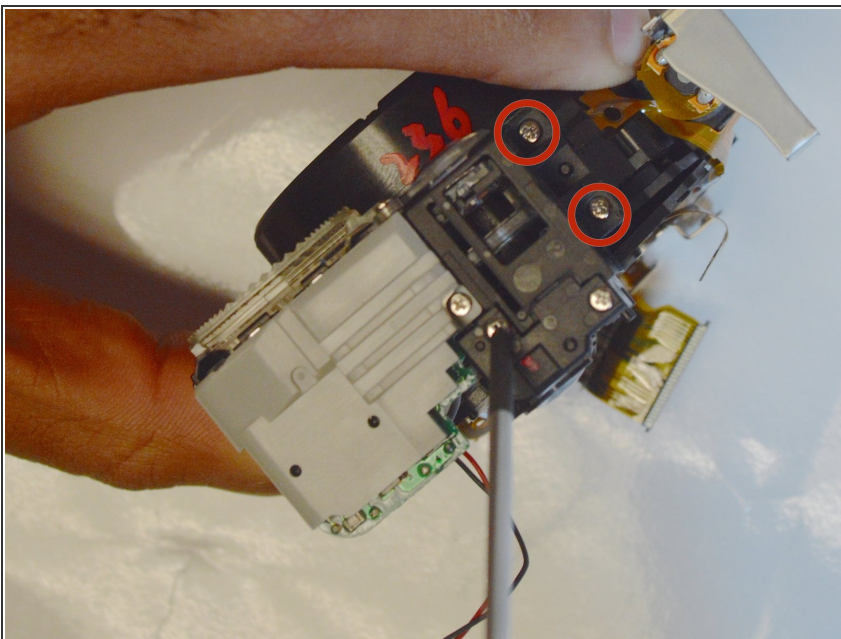
⚠ Be careful not to rip the ribbon cable out from the ZIF connector the ribbon cable is attached to.

Step 16



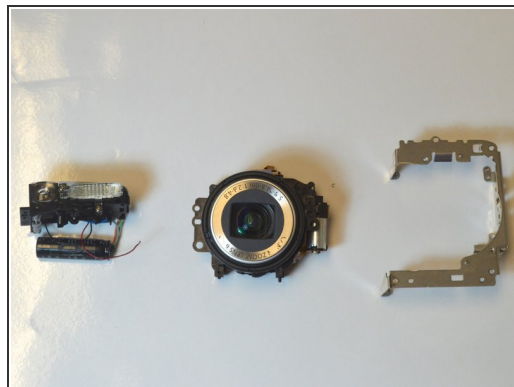
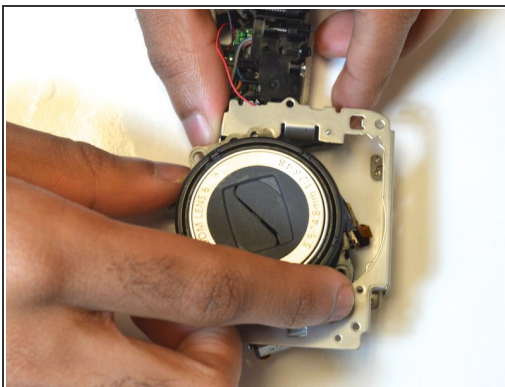
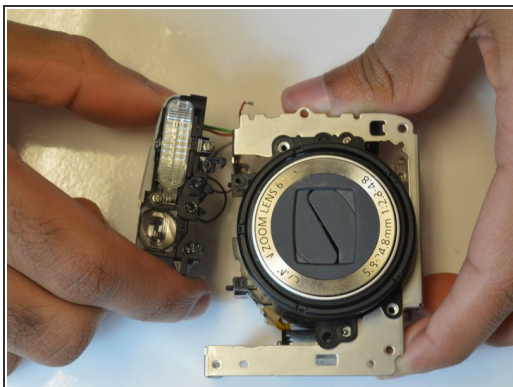
- Use the screwdriver to remove the three 3 mm Phillips screws from the lens metal frame.
- Use the screwdriver to remove the two 3.5 mm Phillips screws from the lens metal frame.
- Pull out the AV DC IN port out.
- Turn the camera over so the bottom is exposed to remove the 3 mm Phillips head screw to disassemble the battery housing unit from the camera.

Step 17



- Unscrew the two 3 mm Phillips screws from the top of the lens housing unit that connects it to the flash assembly.

Step 18



- Now, the flash assembly and metal frame are easily pulled away from the lens.

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