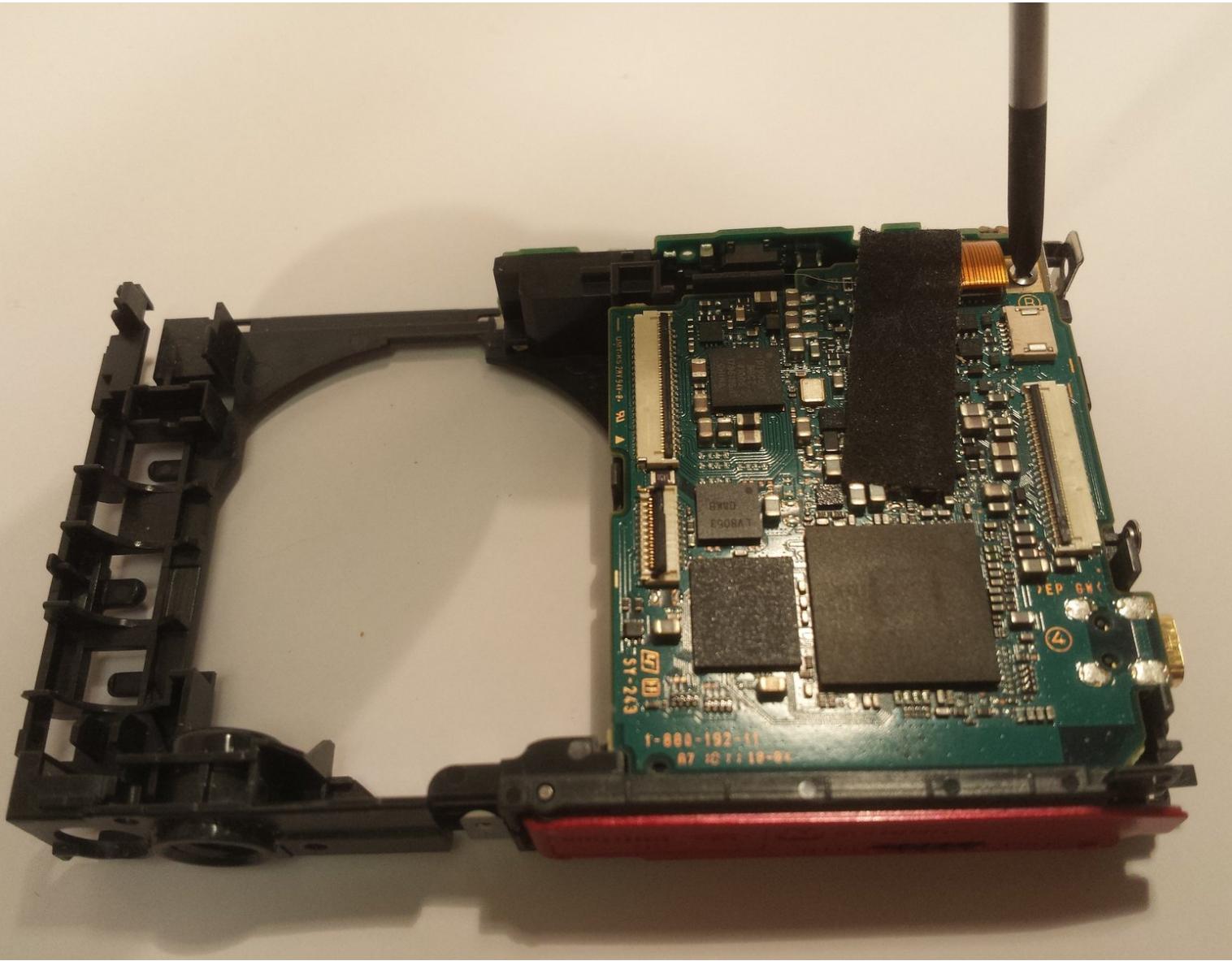




# Sony Cyber-Shot DSC-W330 Circuit Board Replacement

This guide will explain the steps required to remove the main circuit board from the camera.

Written By: Sam Lewis



 **TOOLS:**

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)

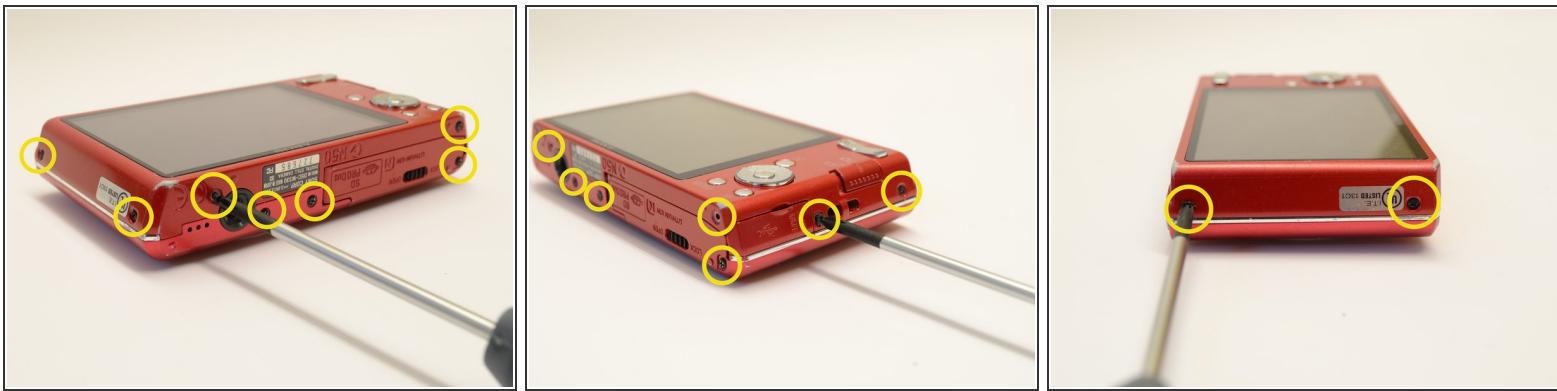
## Step 1 — Battery



- Hold the camera with the bottom edge facing you and find the battery cover on the bottom left of the camera.
- Use the black latch to unhook the cover by sliding it to the "Open" position.
- The battery cover should easily open by gently lifting it away from the camera.
- The battery compartment is now open and the battery can be replaced.

*(i) NOTE: Battery not shown in guide.*

## Step 2 — Outer Casing



- Begin by placing the camera flat against a surface and remove the nine (9) black screws. Each screw is of the same length and can be used interchangeably

*(i) Note: There are two (2) screws on each side, and five (5) on the bottom edge.*

## Step 3



- Use a plastic opening tool to carefully pry off the front casing.

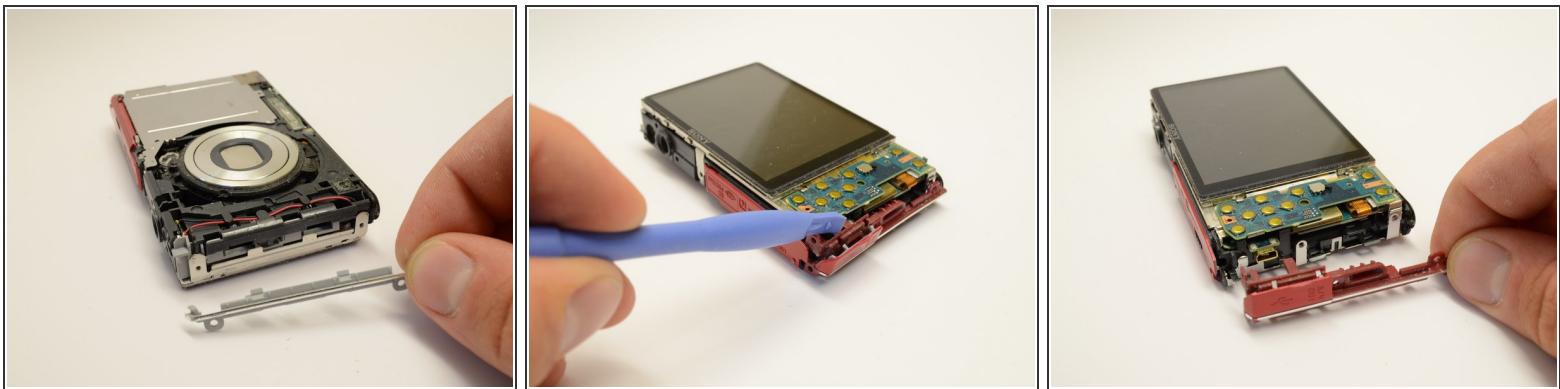
**⚠** *Be careful to not to force the casing off. Simply move around the entire case separating where needed.*

## Step 4



- Flip the camera over 180 degrees and similarly pry off the rear casing.

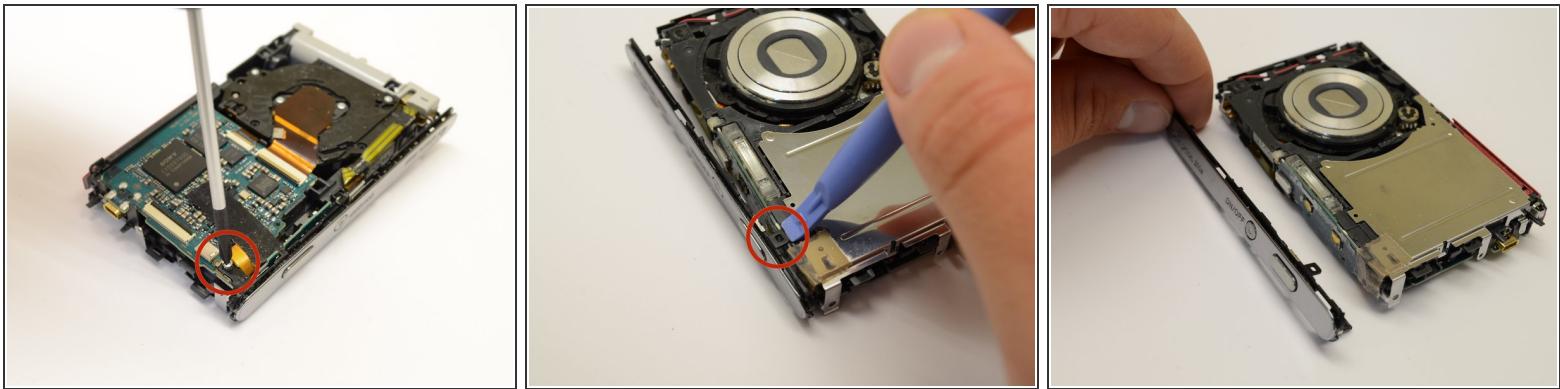
## Step 5



- Once the outer casings have been removed, the silver side trim should come loose from the camera.
- Place the camera with the lens facing down. Use the plastic opening tool to pry off the side panel with the USB plug.

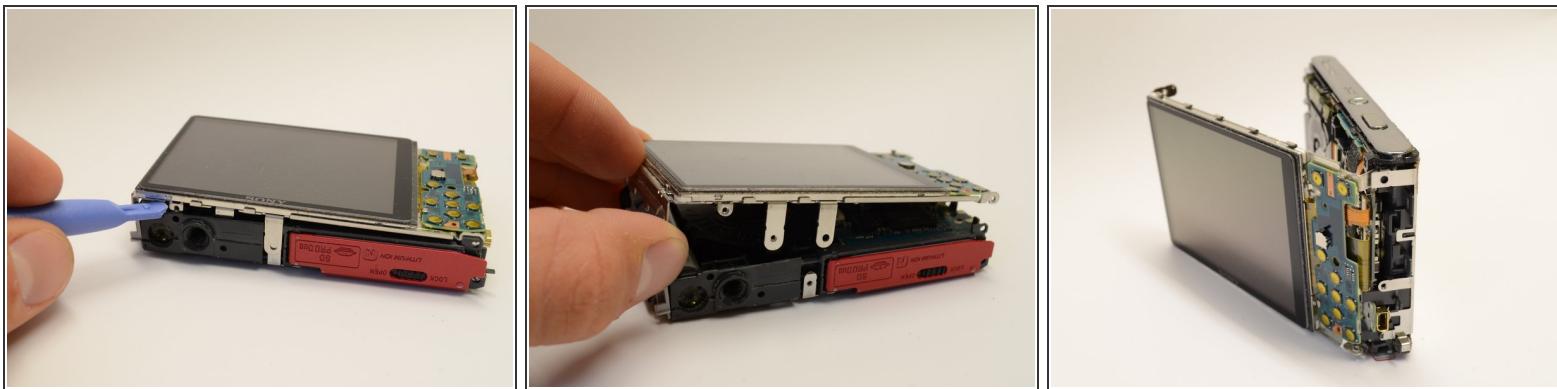
***i** Note: If you wish to remove the top cover, see the [LCD Display Replacement](#) to remove the LCD screen before continuing to Step 5*

## Step 6



- Place the camera with the lens facing down. Use the phillips head screwdriver to remove the silver screw in the corner near the photo capture button.
- Flip the camera over. Use the plastic opening tool to detach the black clip near the capture button.
- Grasp the top cover and gently remove it from the camera body.

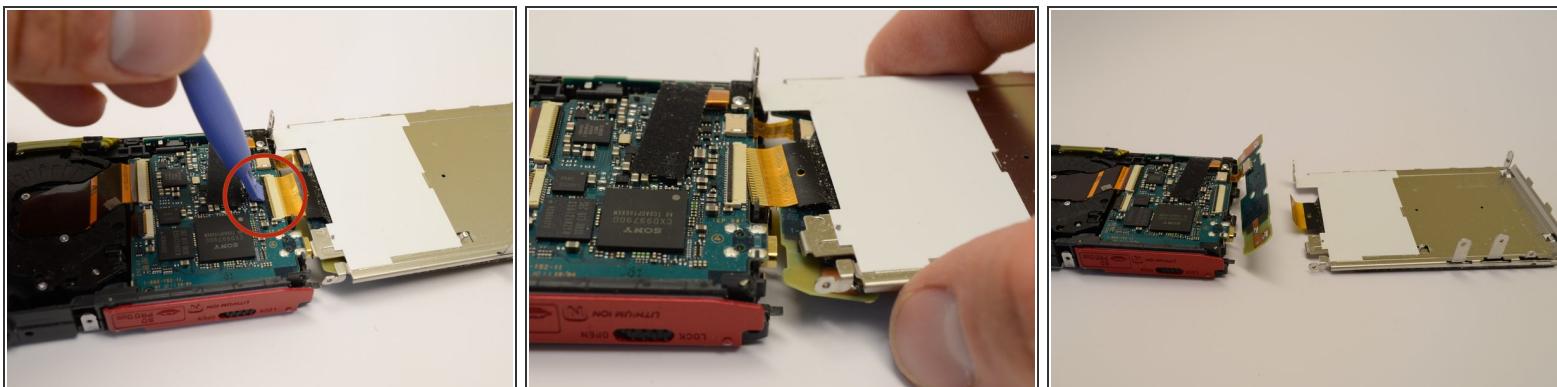
## Step 7 — LCD Display



- After the outer casing is removed, lay the device display side up
- Gently pry the LCD screen from the body of the camera.

 Be careful not to damage the ribbon cables, they are still attached to the camera.

## Step 8

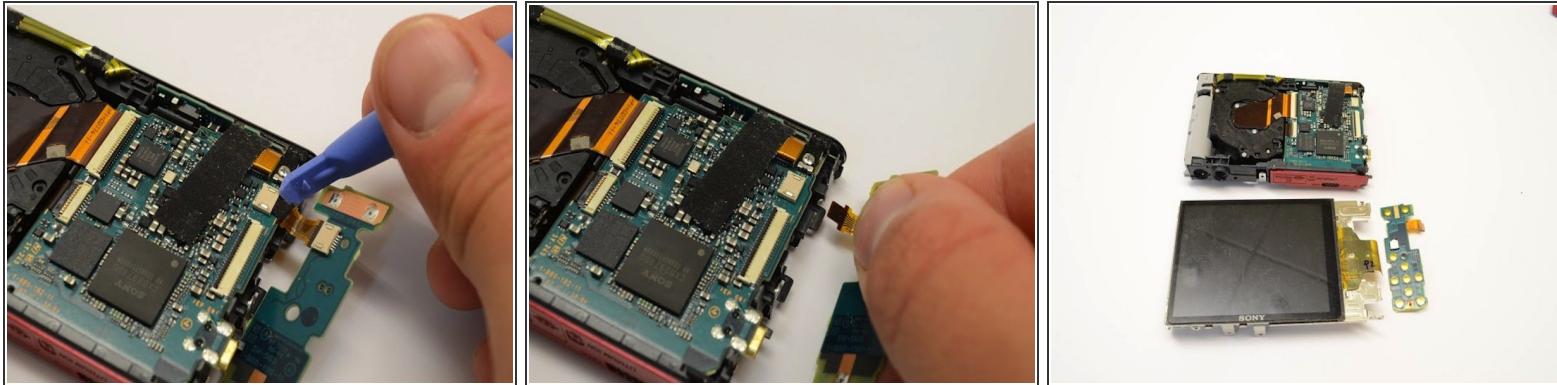


- Flip the LCD Assembly around the edge of the camera

 *Note: Be careful not to rip the assembly from the camera. It is still attached by the ribbon cables!*

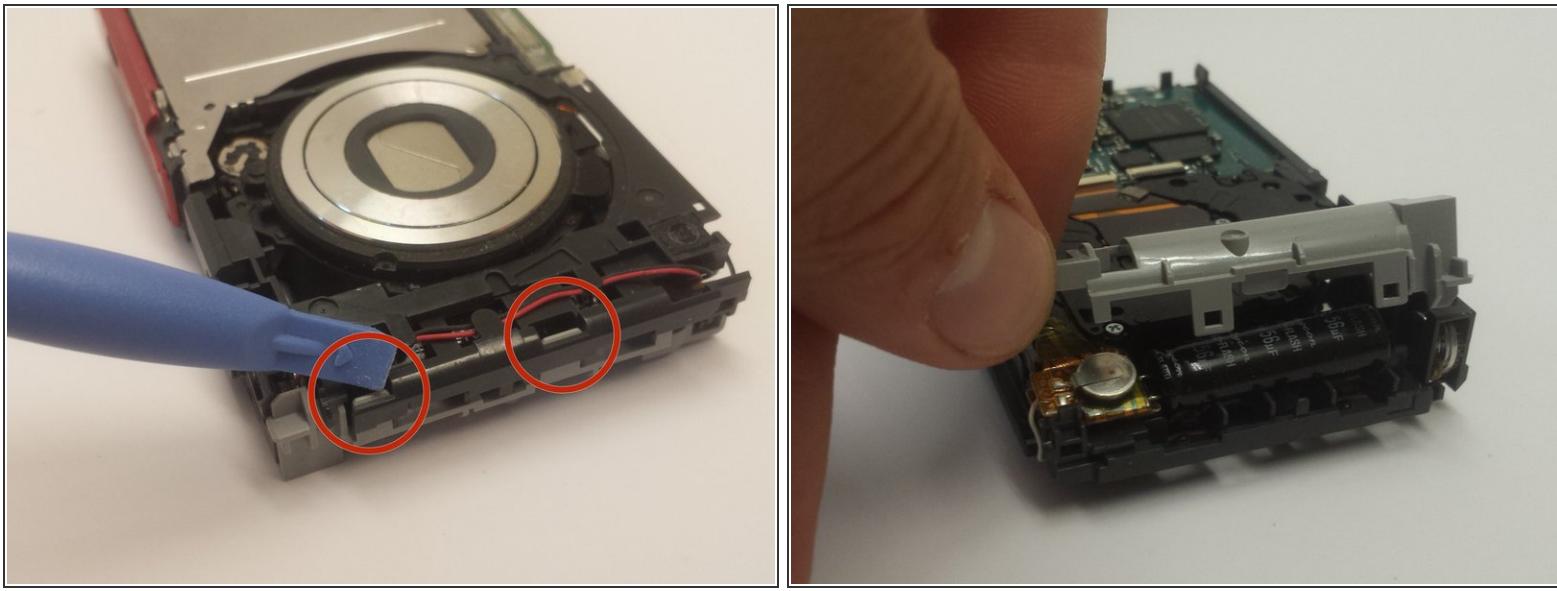
- Use the plastic opening tool to gently pry up the black tab locking the large ribbon cable to the battery housing.
- Grasp the LCD display with your fingers and gently pull the large ribbon cable out of the connector.
- The LCD display is now detached from the camera.

## Step 9 — Control Board



- Gently pry the tab holding the ribbon cable connecting the cameras control board to the camera sensor and battery housing.
- The camera control board is now removed and can be replaced if faulty.

## Step 10 — Flash Capacitor

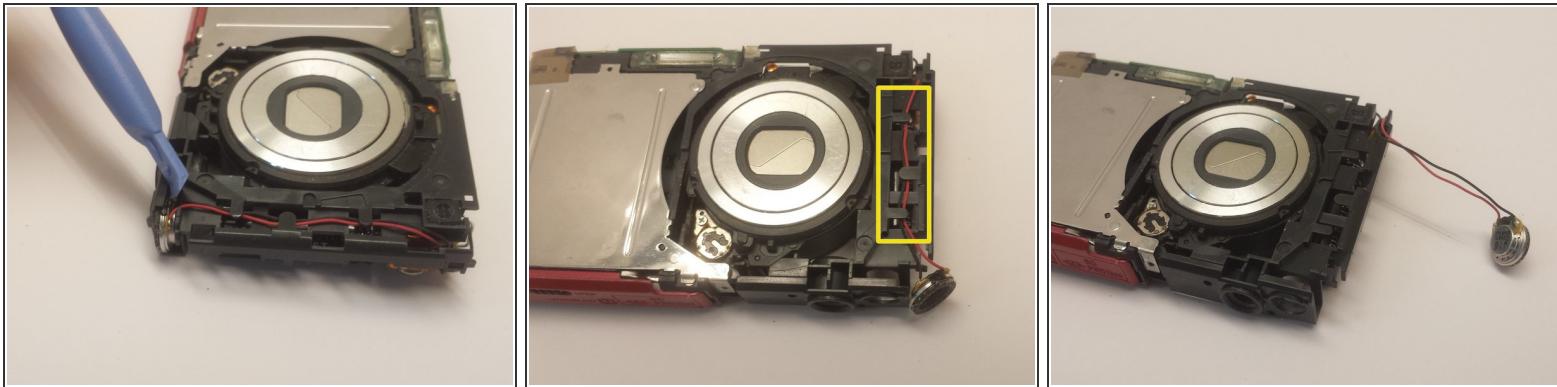


- With the camera laying with the lens up, use the plastic pry tool to gently push the two gray tabs located on the edge of the camera face.
- Flip the camera over. With the camera laying face down, grab the gray cover on the side and gently remove it.

**⚠** Be careful not to handle the capacitor at the contacts, or you may get shocked.

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## Step 11



- Use the plastic pry tool to push the small round silver speaker out through the slot on the side.
- With your hand, grab the speaker and gently remove the wires from the retaining clips.

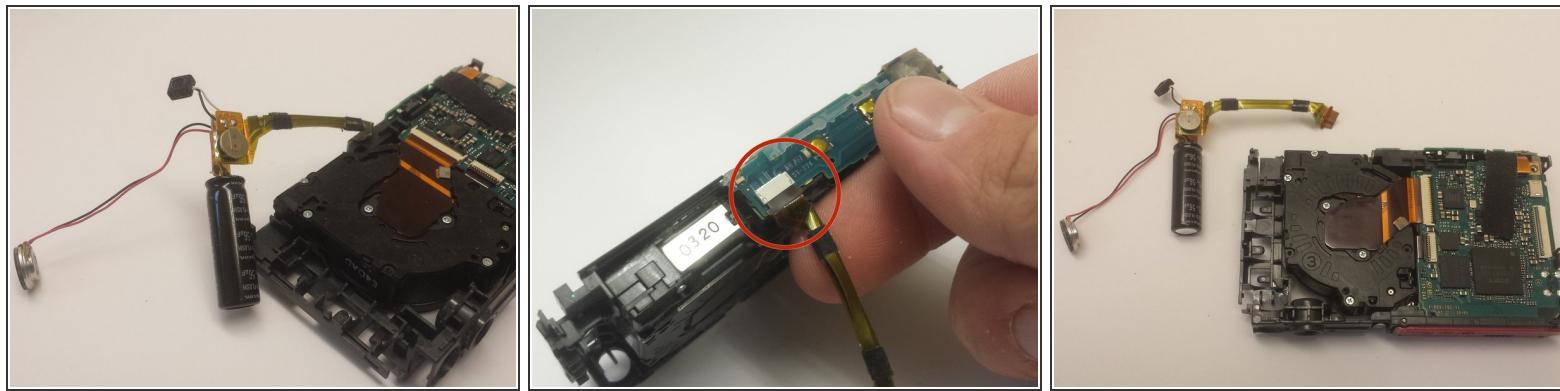
## Step 12



- With the camera laying with the lens up, use the spudger tool to grab the small square piece of rubber and gently pull it out.

 *Note: Be careful not to pull on it too hard, the wires connected to it are short and could easily be pulled out or damaged.*

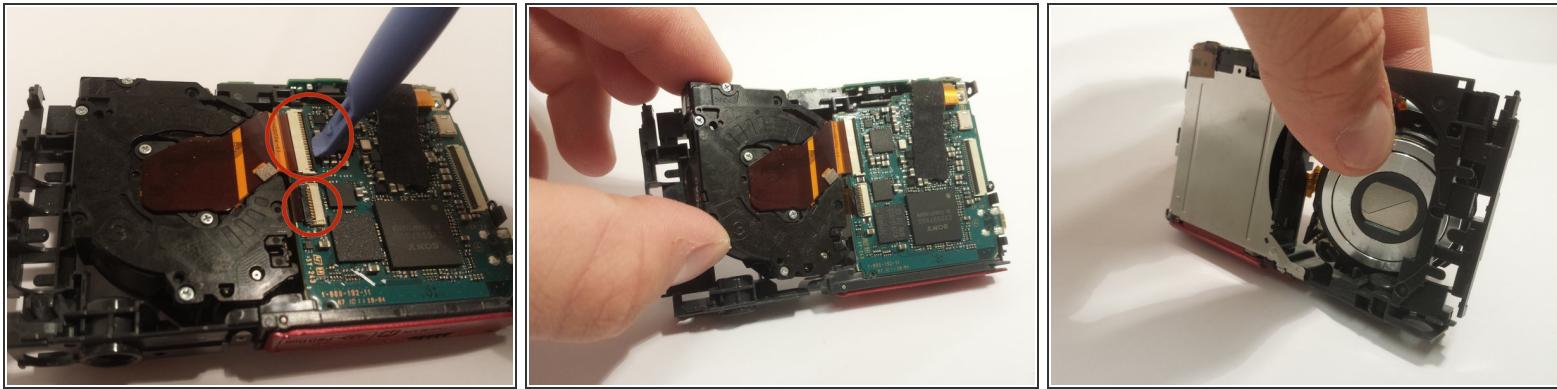
## Step 13



**⚠ Caution:** Be careful not to touch the capacitor wires as you work. If possible, use a [capacitor discharge probe](#) to safely rid the capacitors of dangerous charges.

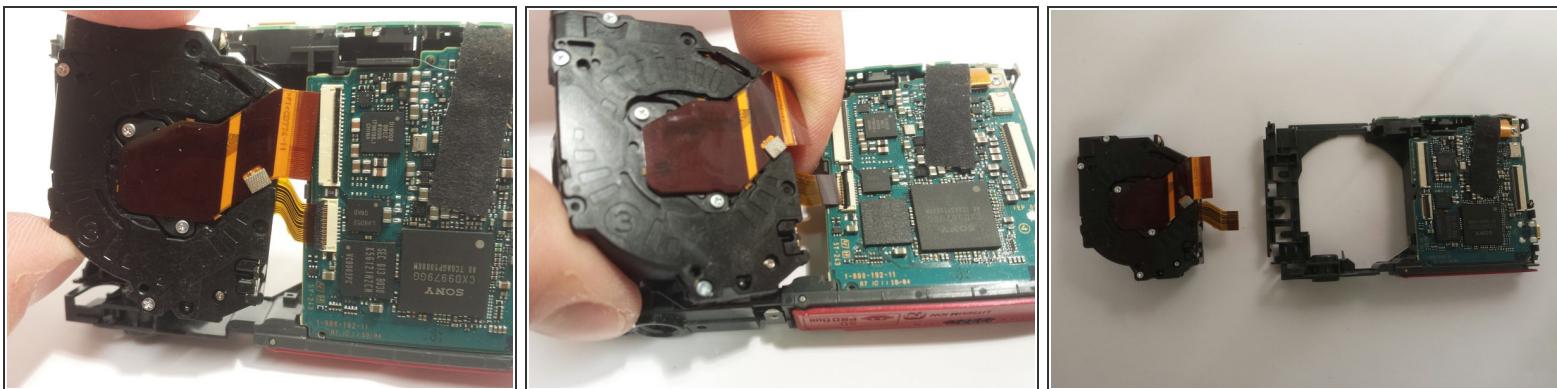
- Place the camera facing with the lens down. Grab the black capacitor and gently remove the assembly from the holder.
- Locate the ribbon cable connecting the capacitor to the top of the camera. Grasp the ribbon cable with your fingers, and gently pull outwards.
- **(i) Note:** You may need to gently wiggle the connector back and forth to work it out. Do not use much force to pull the cable out. If it is too difficult to remove, use the plastic pry tool to pull the connector by the tabs on the side.
- Now the flash capacitor assembly is disconnected from the camera and can be removed.

## Step 14 — Lens Assembly



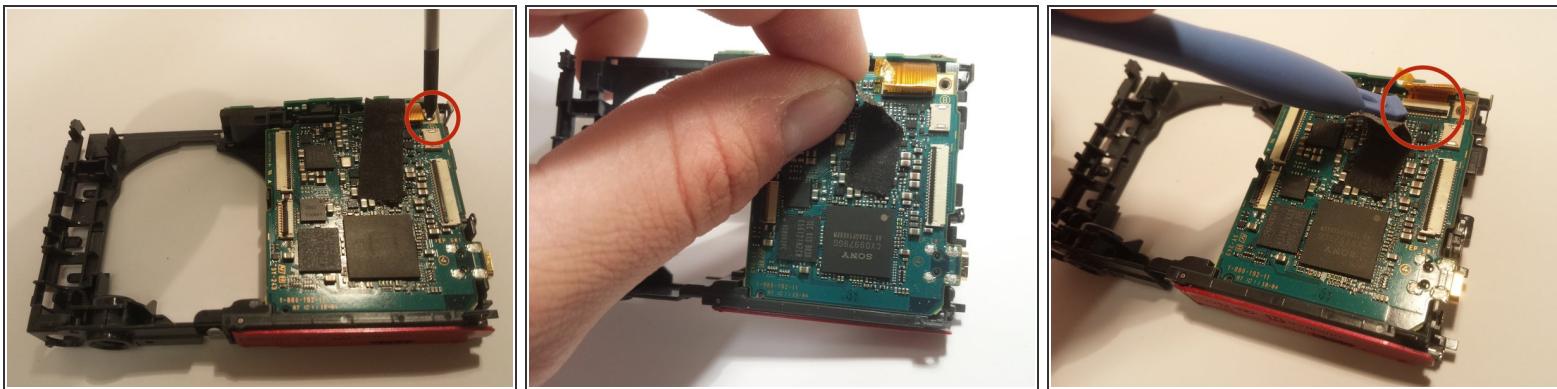
- With the camera lying with the lens facing down, use the plastic pry tool to gently lift the black tabs on the two ribbon cable attachments.
- Grasp the black plastic lens assembly with your fingers, and gently pull it out of the camera body from the side of the LCD display.

## Step 15



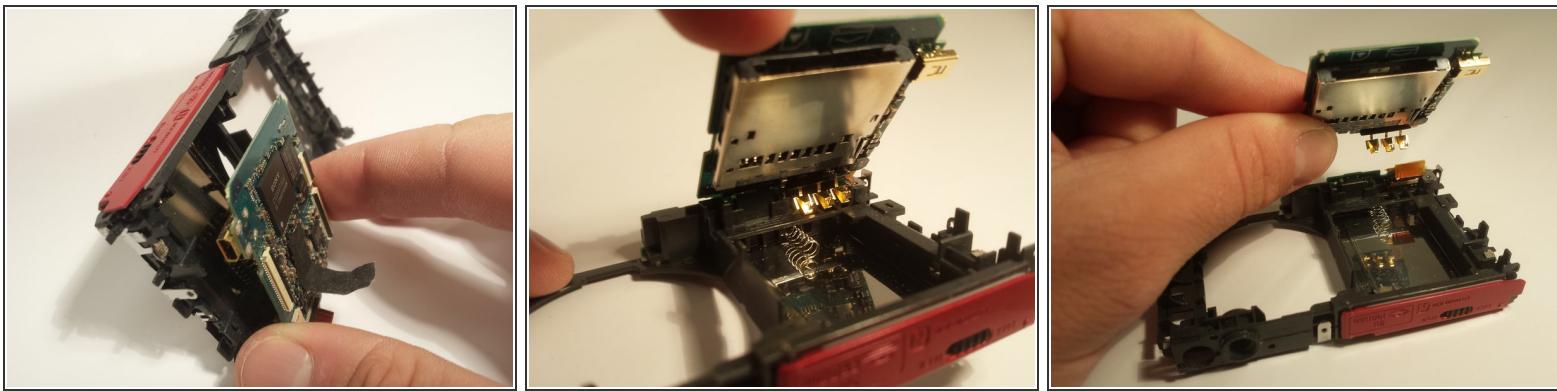
- With the lens assembly pulled out of the camera, grasp one of the ribbon cables and gently pull it out of the connector. Then grab the other ribbon cable and remove it.
- Now the lens assembly is detached from the camera and can be removed and replaced if necessary.

## Step 16 — Circuit Board



- Place the camera so that the lens would be facing down. Use the phillips head screwdriver to remove the small silver screw in the top right corner.
- Gently peel back the black adhesive tape from the top edge.  
 The tape is attached to the ribbon cable. Be very careful not to tear or damage the ribbon cable when removing the tape.
- Use the plastic opening tool to pry the black locking tab up.
- Gently remove the ribbon cable from the connector

## Step 17



- Grasp the circuit board with your fingers and gently pull it out of the camera.
- This will require you to work it back and forth because it is tightly secured to the camera.
- Be careful not to damage the battery terminal connectors, they may be holding the circuit board to the battery compartment.
- The circuit board is now removed and can be replaced if necessary.

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