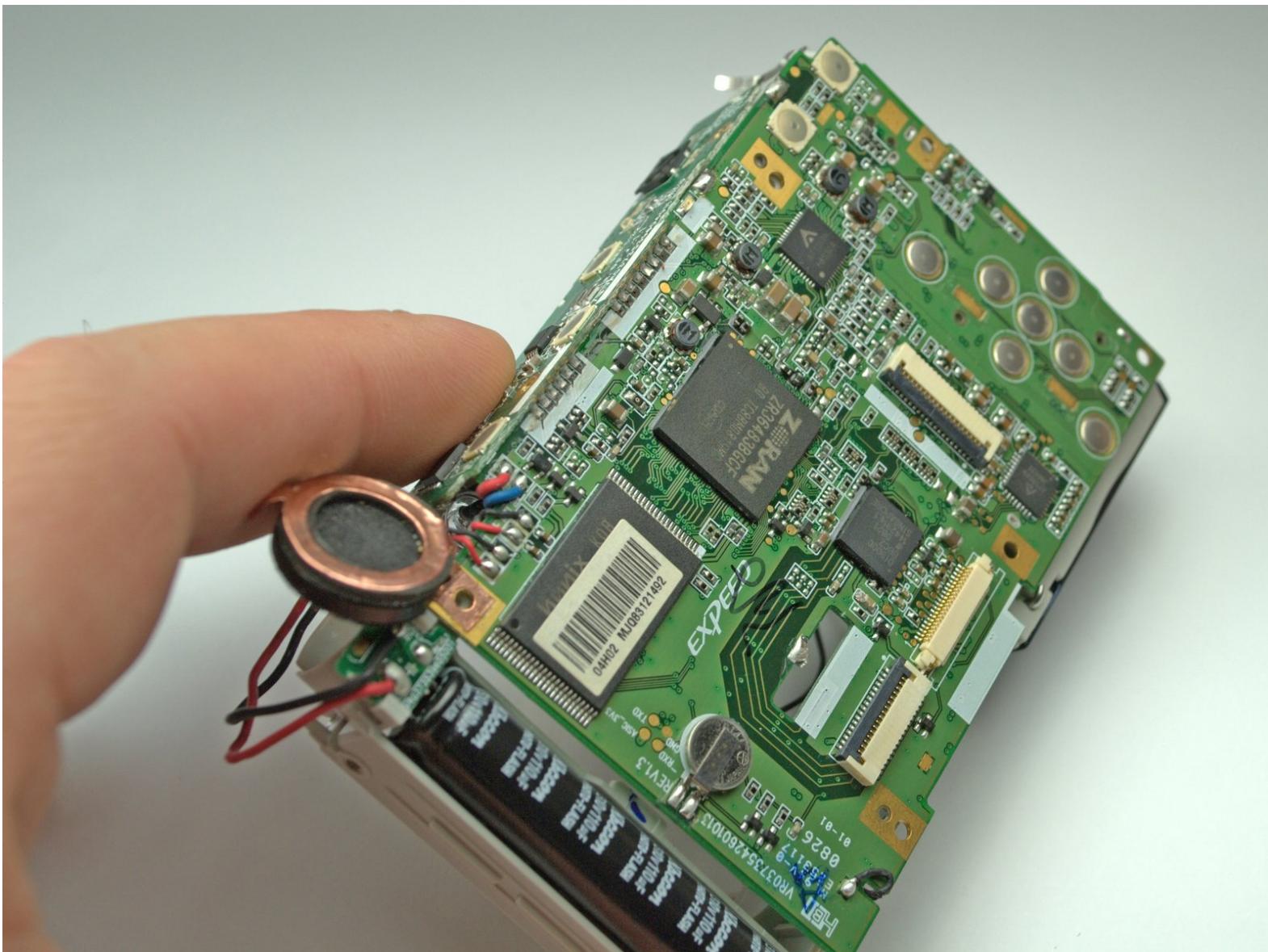




Nikon Coolpix L18 Logic Board Replacement

Written By: Aaron



INTRODUCTION

In this guide, we will give you step-by-step instructions on how to remove the logic board so that it can be replaced or repaired.

TOOLS:

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

Step 1 — Back Cover



- Remove the memory stick from the camera.
- Remove the batteries from the camera.

Step 2



- Remove all six 4.3mm silver screws along the perimeter of the camera using the Phillips #00 screwdriver.
- There is one screw hidden under the AV cover that also needs to be removed.

Step 3



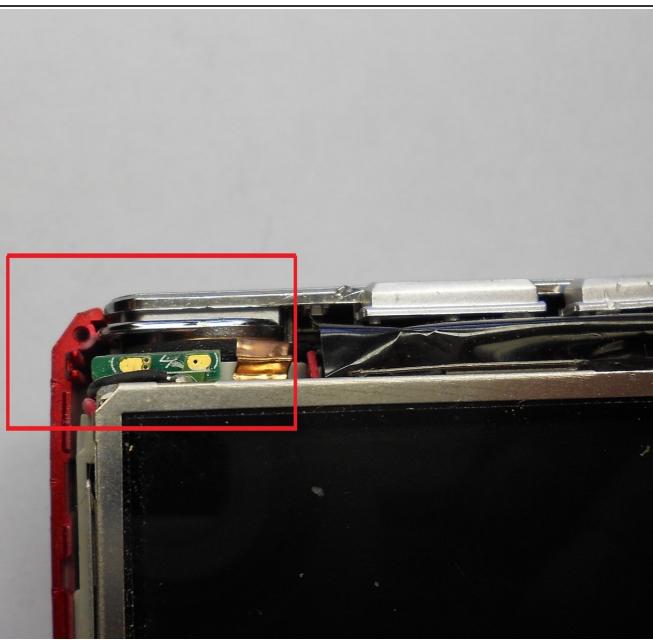
- Pry the back cover from the left side of the camera. Remove the cover gently.

Step 4 — Front Cover



- Pry back the front cover of the camera starting from the right side.

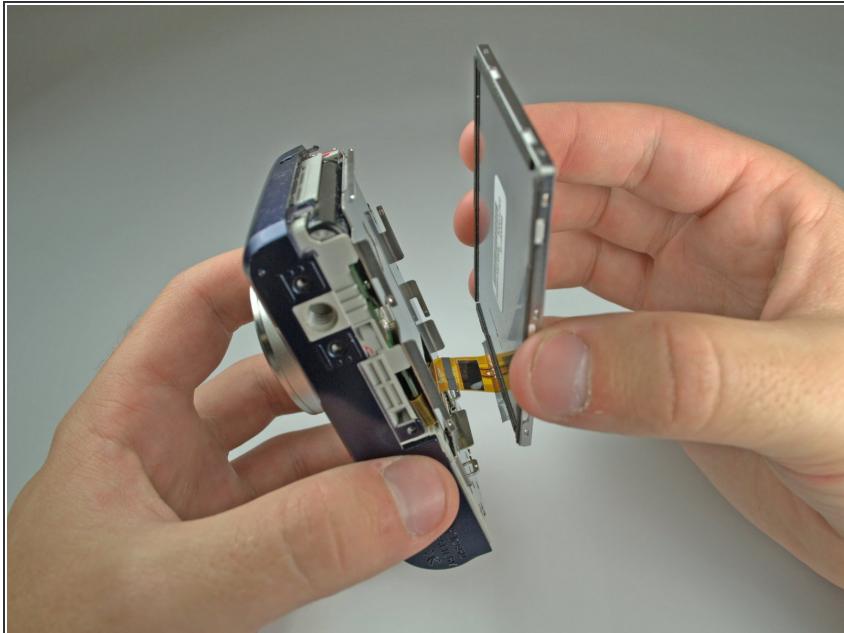
Step 5 — LCD Screen



⚠ This is where energy for the flash is stored. Even with batteries removed, if you touch these connections, you can be shocked, depending on if the flash capacitor has a stored charge. It may not have a stored charge, but work around this assuming it does.

ⓘ Newer cameras of decent quality usually have a bleeder resistor to drain the flash capacitor. This may not work anymore and the flash capacitor may still have a charge.

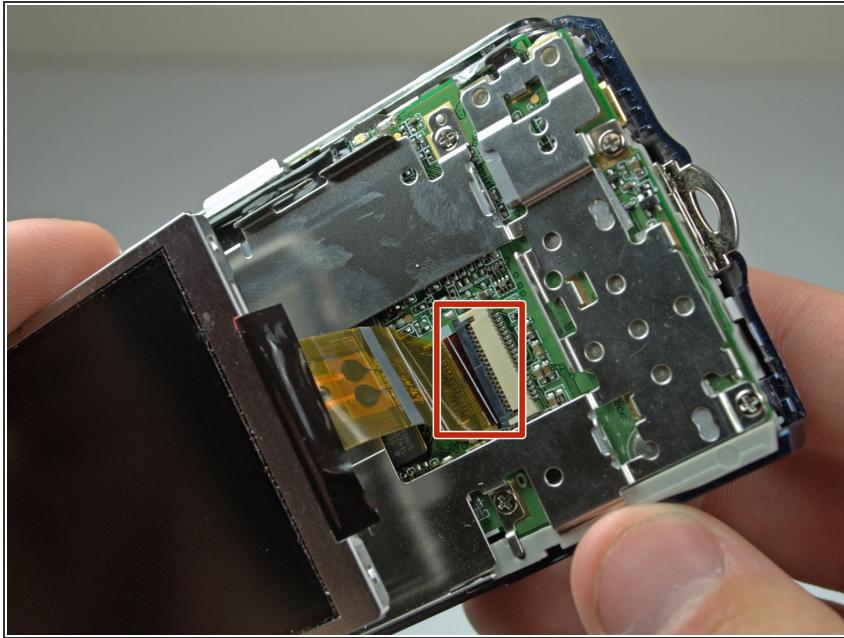
Step 6



- Remove the tape on the right side of the LCD screen.
- Gently lift the LCD screen from its base.

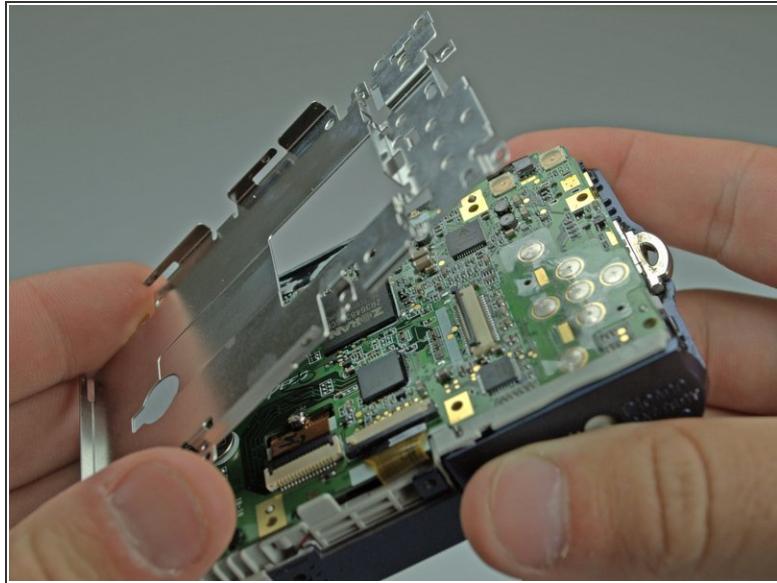
⚠ Don't tug on the screen because it is still connected to the motherboard.

Step 7



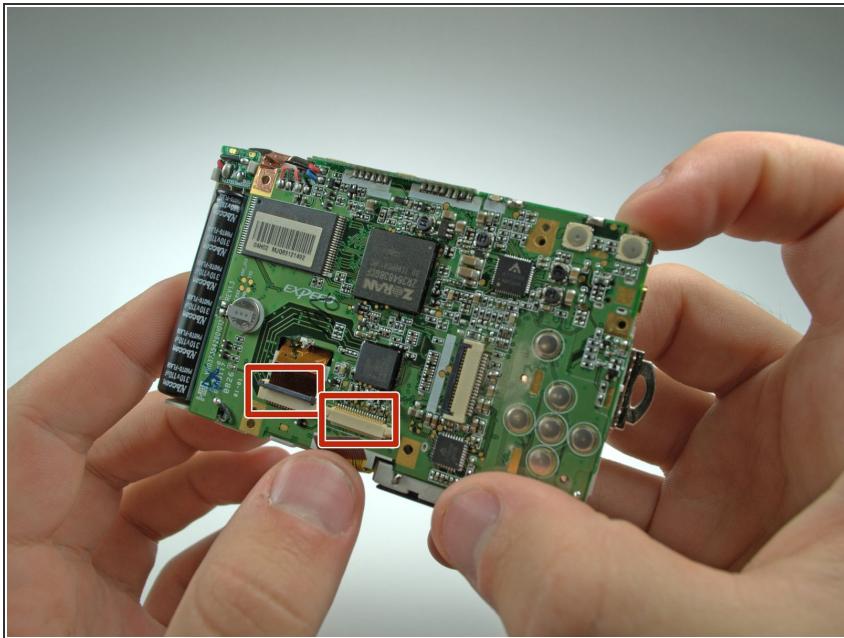
- Lift the black latch connecting the LCD ribbon to the motherboard.
- Gently pull the LCD ribbon out.

Step 8 — Lens



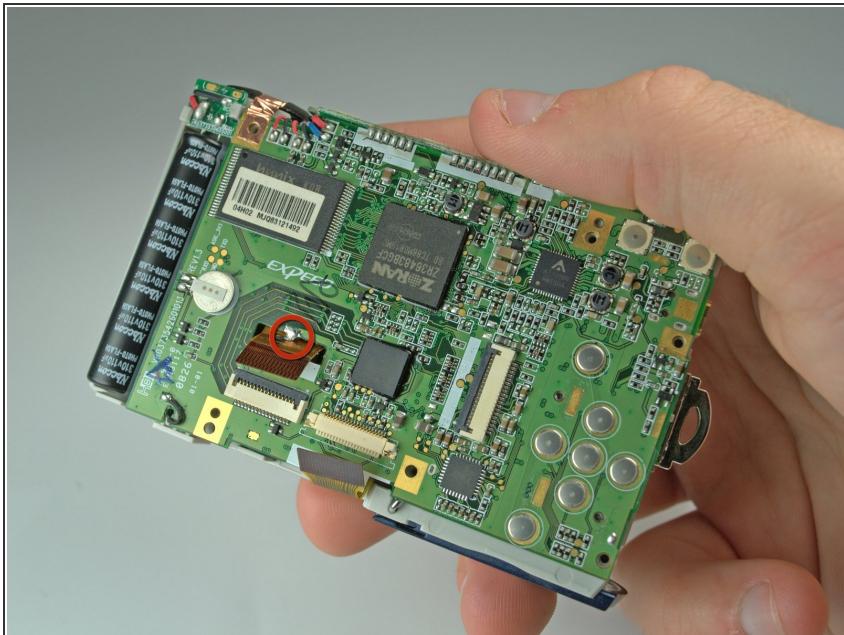
- Remove the 6 Phillips #00 screws anchoring the LCD base to the motherboard.
- Remove the LCD base plate.

Step 9



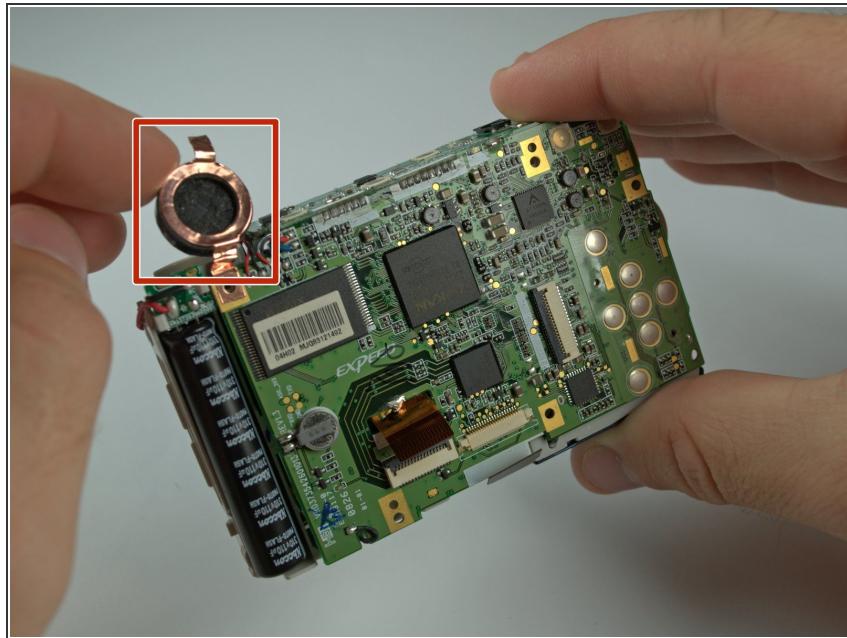
- Lift the black latch connecting the LCD ribbon to the motherboard.
- Gently pull the lens ribbon out.

Step 10



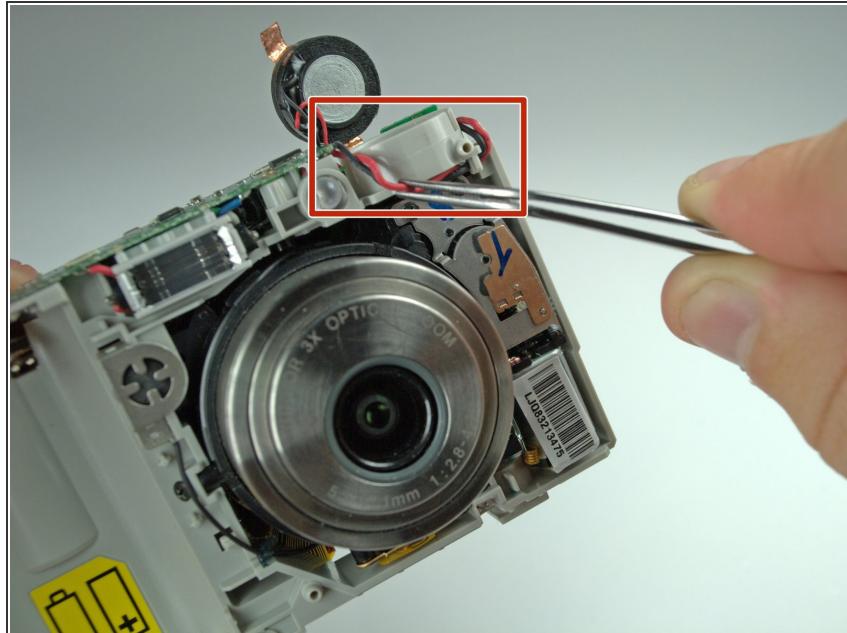
- Desolder the connection of the motherboard to the lens ribbon using a soldering iron and desoldering wick.

Step 11



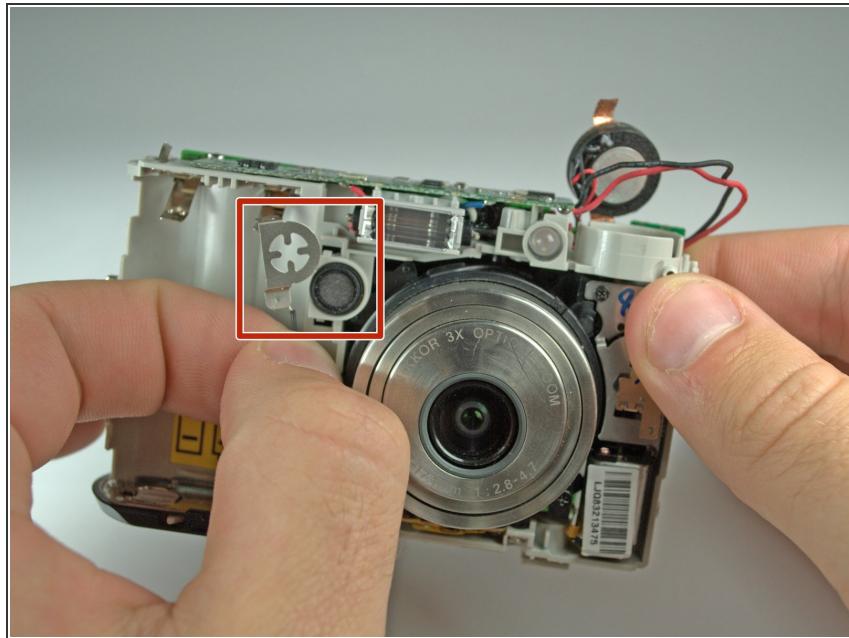
- Lift up the black and copper covering on the left side of the camera.

Step 12



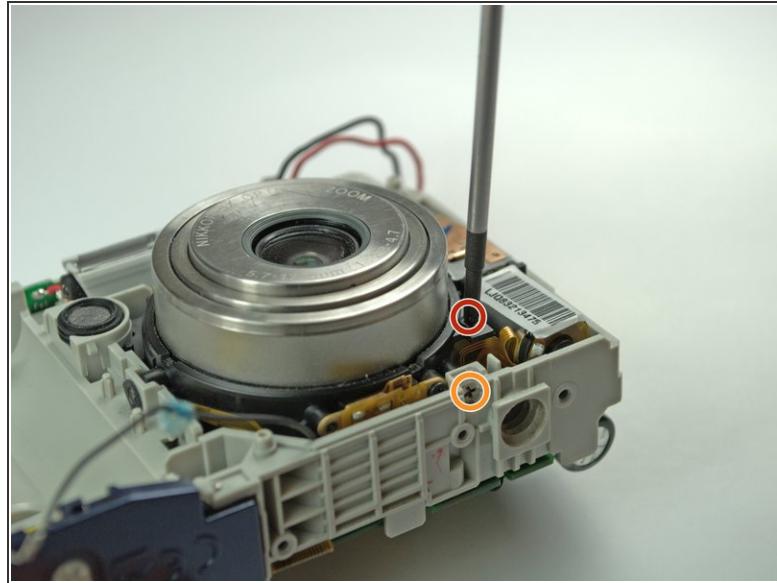
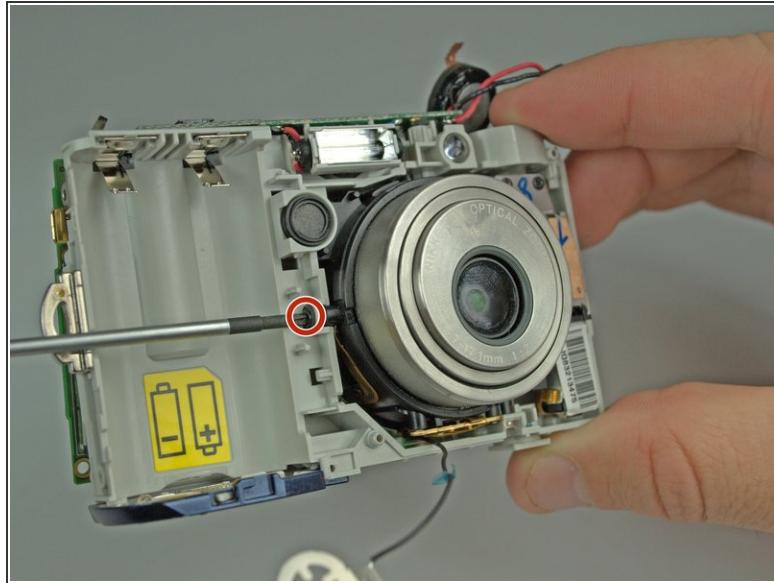
- Pull the wiring at the top right of the camera away from the lens with tweezers.

Step 13



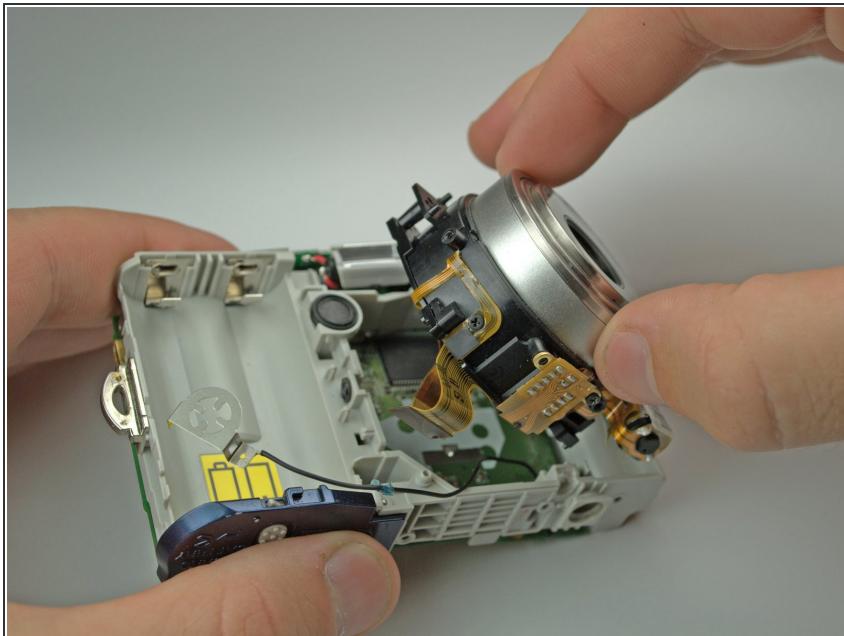
- Remove the cross-hair shaped wire cap to the left of the lens.

Step 14



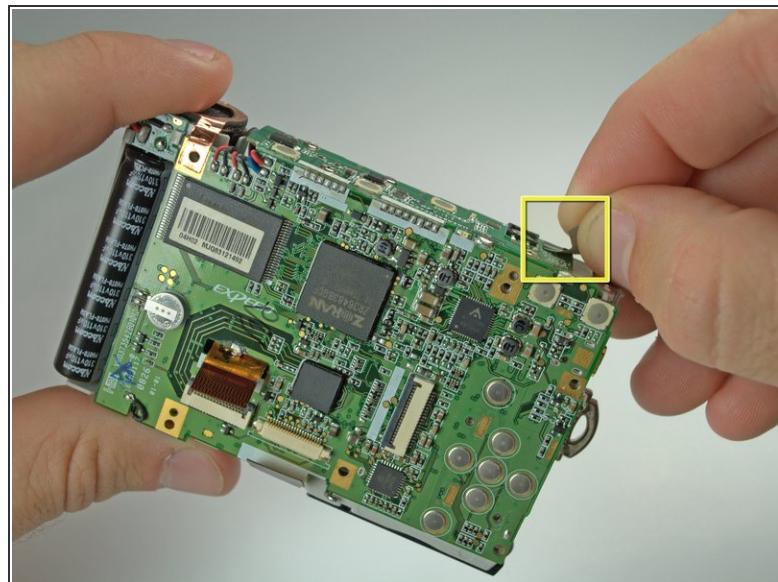
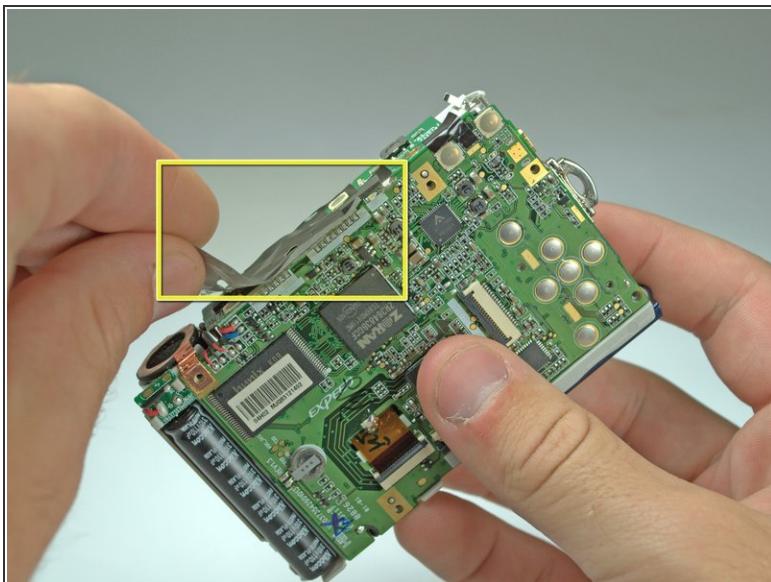
- Remove the 3 screws holding the lens to the camera frame.
 - Two 3.8mm black Phillips #00 screws on the sides of the lens.
 - One 4.6mm silver Phillips #00 screw on the bottom of the lens.

Step 15



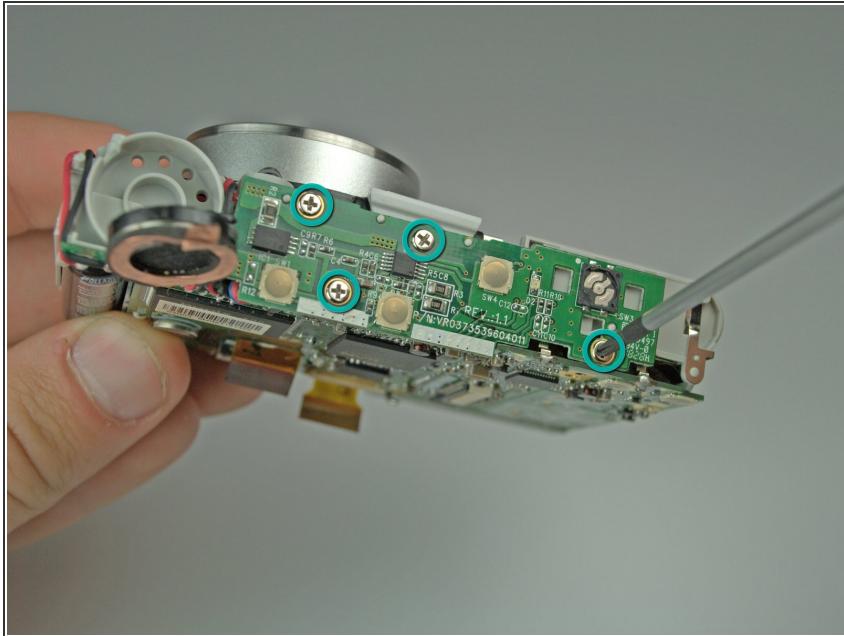
- There is a screw behind flash tube holding lens. Remove it, then gently pull the lens out. Be sure that the lens's ribbon clears the motherboard.

Step 16 — Logic Board



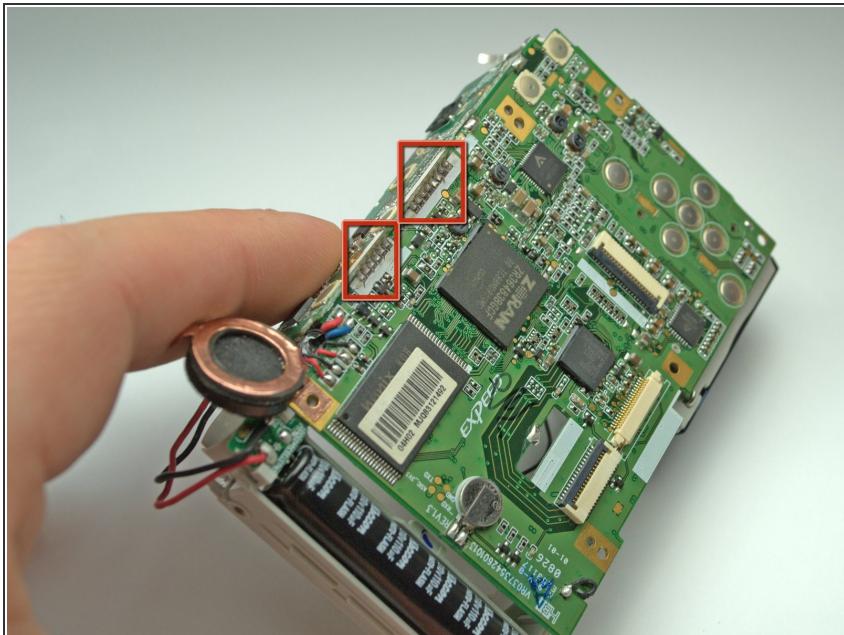
- Remove the tape on the top of the logic board.

Step 17



- Remove the 4 Phillips #00 screws holding the top of the logic board onto the camera frame.

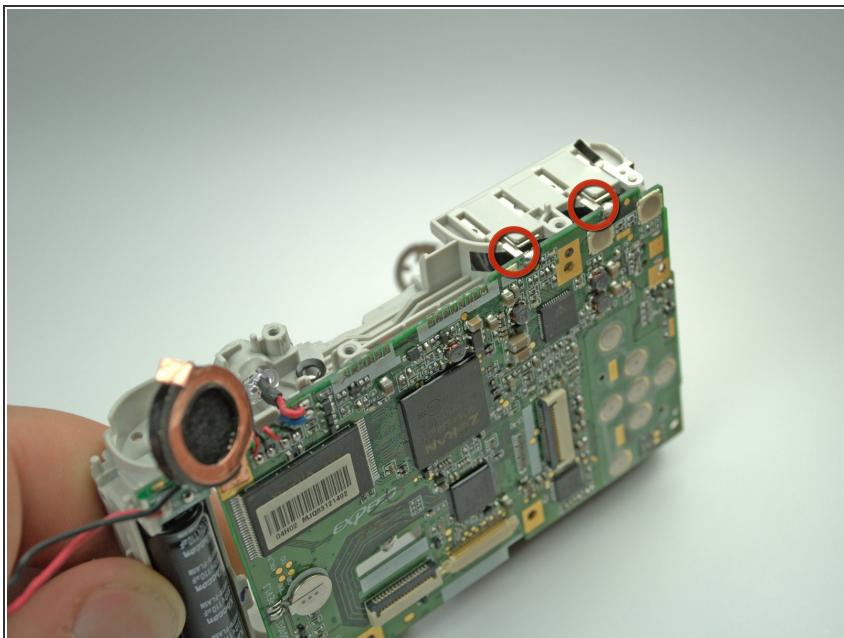
Step 18



- Desolder the joint of the top and back of the logic board using a soldering iron and desoldering wick.

i You will need to have soldering equipment to complete this step.

Step 19



- Move the top of the logic board to the side, exposing the top of the frame.
- Desolder the two connections on the top right of the logic board using a soldering iron and desoldering wick.

i You will need to have soldering equipment to complete this step.

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