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## INTRODUCTION

Do you have broken parts inside your camera that you don't see guides for? Do you want to see what makes your camera work? Do you need to recycle your camera and want to do it properly? This guide will show you how to completely disassemble your Panasonic LUMIX DMC-LX100.

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### TOOLS:

- [Heavy-Duty Spudger](#) (1)
  - [Phillips #000 Screwdriver](#) (1)
  - [Tweezers](#) (1)
  - [T3 Torx Screwdriver](#) (1)
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## Step 1 — Battery



- Looking at the bottom of the camera, slide the OPEN/LOCK switch to the left into the OPEN position.
- ⓘ The battery housing door should swing open.

## Step 2



- Flip the inside switch up to release the battery.

### Step 3



- Grip the edge of the battery and pull it out.
- ⓘ Use a LUMIX Panasonic DMW-BLE9PP Battery Pack for replacement.

### Step 4 — LCD Screen



**⚠** Some of these screws may have adhesive to keep the camera from being taken apart so push hard with the screwdriver and turn slowly to avoid stripping screws.

- Use a Phillips #000 screwdriver to remove the five 4.5 mm screws located on the bottom of the camera and the top one on the left side, with the lens facing you.
- Use a Phillips #000 screwdriver to remove the two 3.5 mm screws, one below the lens and one on the left side.
- Use a Phillips #000 screwdriver to remove the 7.1 mm screw from the right side of the camera.

## Step 5



- i** The viewfinder in this picture is taken off of the camera to more easily see where the screw is located. It is not actually removed from the camera.
- Use a Phillips #000 screwdriver to remove the 2.5 mm screw underneath the viewfinder.
- Pull the black plastic piece off of the viewfinder.

## Step 6



- Slide out the black plastic piece that acts as a placeholder for an attachable lens on the top of the camera.
- Remove the small metal insert that rests beneath the black plastic piece by pulling outward, away from the lens side of the camera.
- i** You may need a spudger or prying device to remove the metal piece by lifting the back end up.

## Step 7



- ⚠ Some of these screws may have adhesive to keep the camera from being taken apart so push hard with the screwdriver and turn slowly to avoid stripping screws.
- Use a Phillips #000 screwdriver to remove all four of the 7.1mm screws that are under the metal piece.

## Step 8



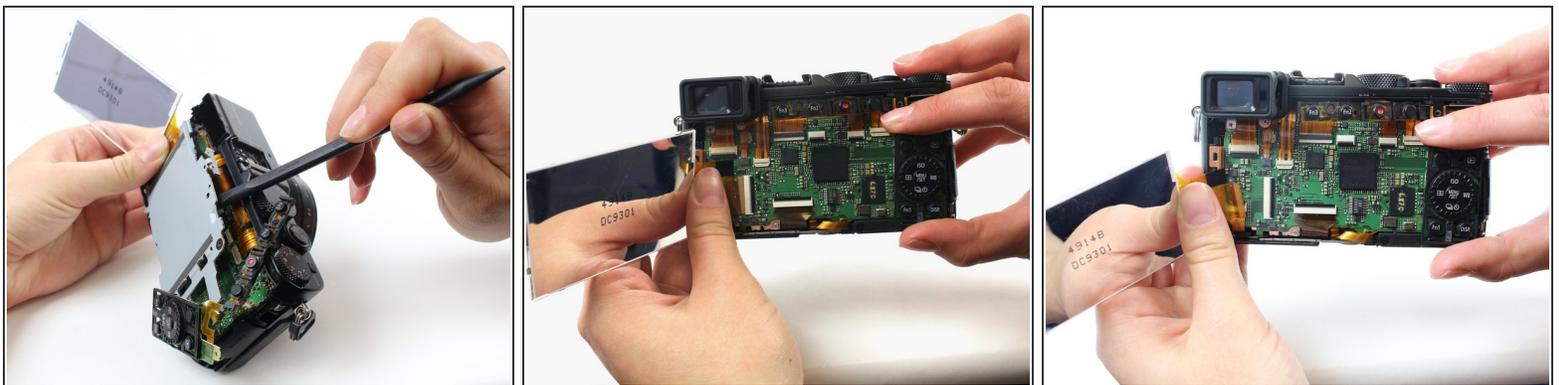
- ⚠ There may be adhesive holding the back on, so pry carefully to not break any of the ribbon cables underneath.
- Pry off the back of the camera using a spudger starting from the top right side of the LCD screen.

## Step 9



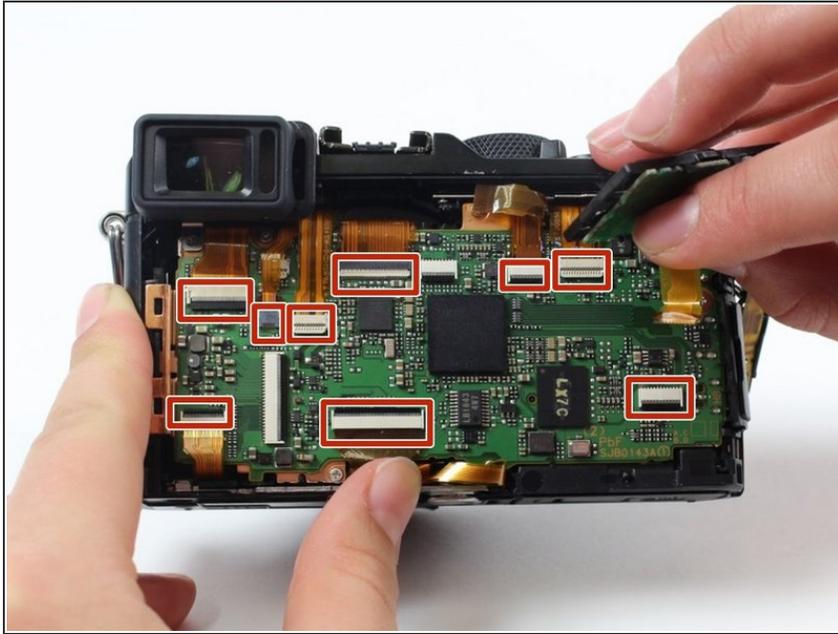
- Use a Phillips #000 screwdriver to remove the 7.5mm screw on the top right of the back of the camera that holds the metal backing in place.

## Step 10



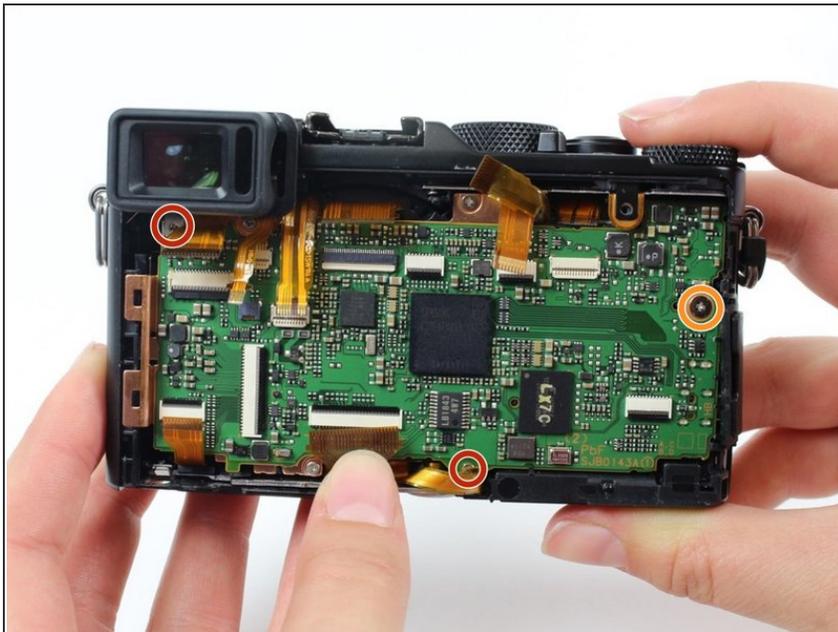
- Lift the LCD screen away from the device.
- Pry off the silver metal backing with a spudger.
- Pull out the ribbon cable that attaches the LCD screen to the motherboard.
- ⓘ If need be, use a plastic spudger to pry the ribbon cable out of its socket.
- Remove the LCD screen.

## Step 11 — Motherboard



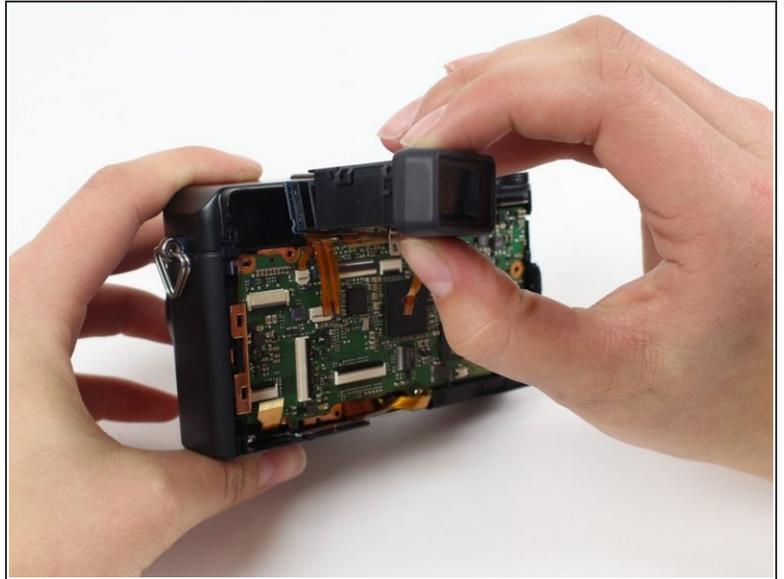
- ⚠ You may need to use tweezers and a spudger to disconnect some of the ribbon cables so they do not break.
- Disconnect the nine visible ribbon cables/ZIF connectors by flipping the black bars up and pulling the ribbon straight out of the connector.
- Disconnect two more cables in the upper left corner of the board, hidden behind the visible cables.
- ⓘ Learn more about disconnecting ZIF connectors [here](#).

## Step 12



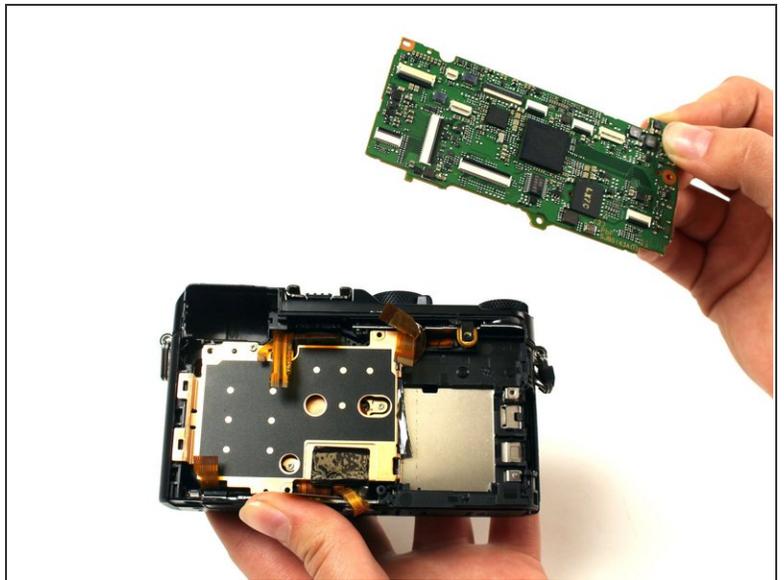
- Use a Phillips #000 screwdriver to remove the two 4.5 mm screws.
- Use a Phillips #000 screwdriver to remove the 2.5 mm screw.

## Step 13



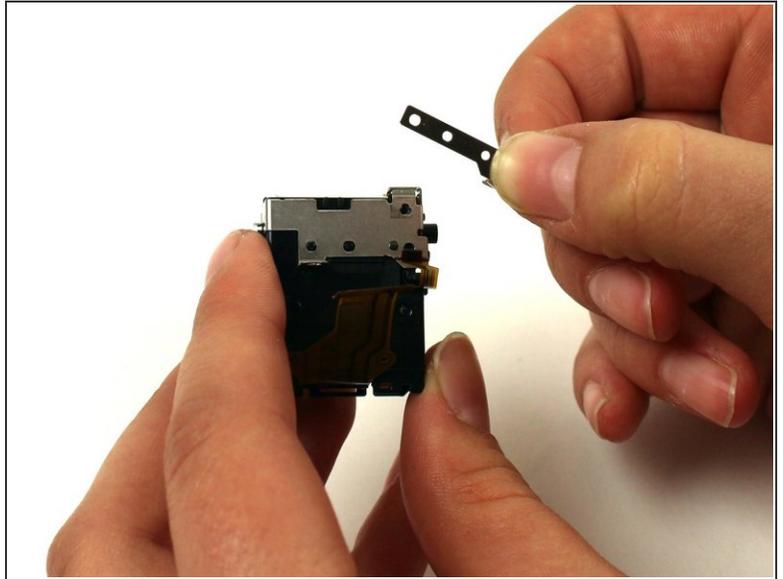
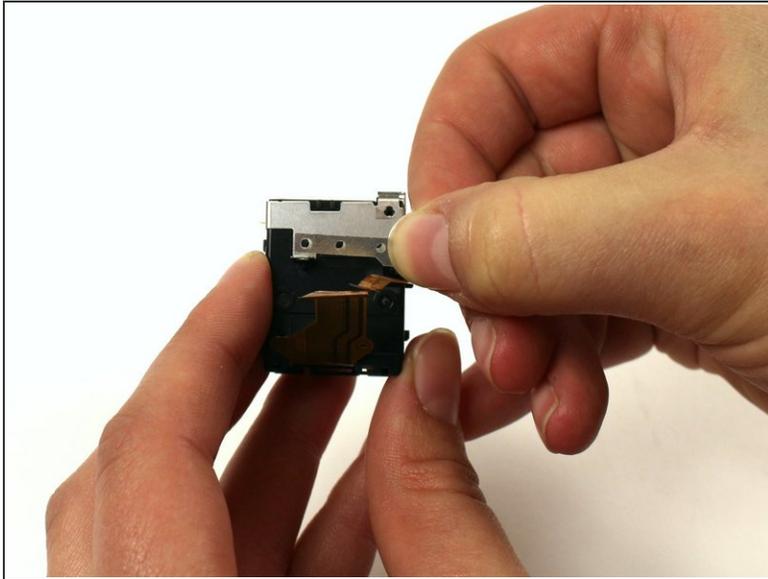
- Use two fingers to gently pull the viewfinder toward you and out of its housing.
- ⓘ The black plastic piece is still on the viewfinder in this image, but should have been removed during LCD screen removal.

## Step 14



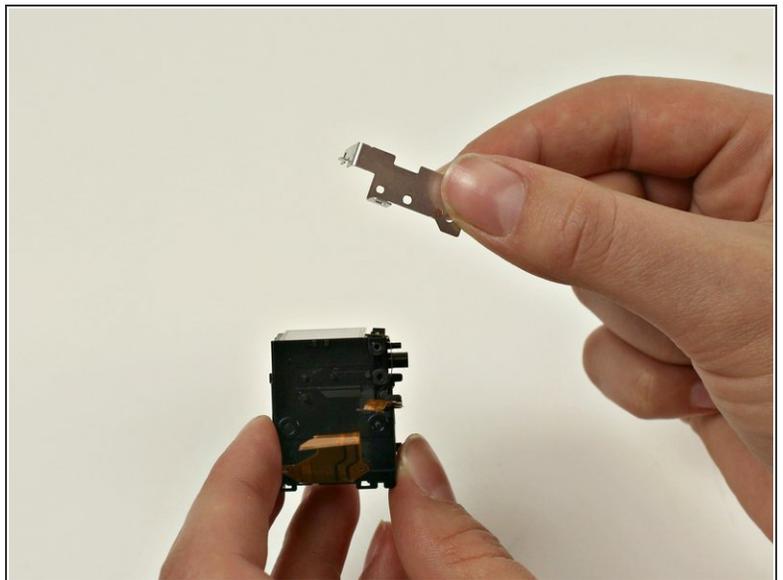
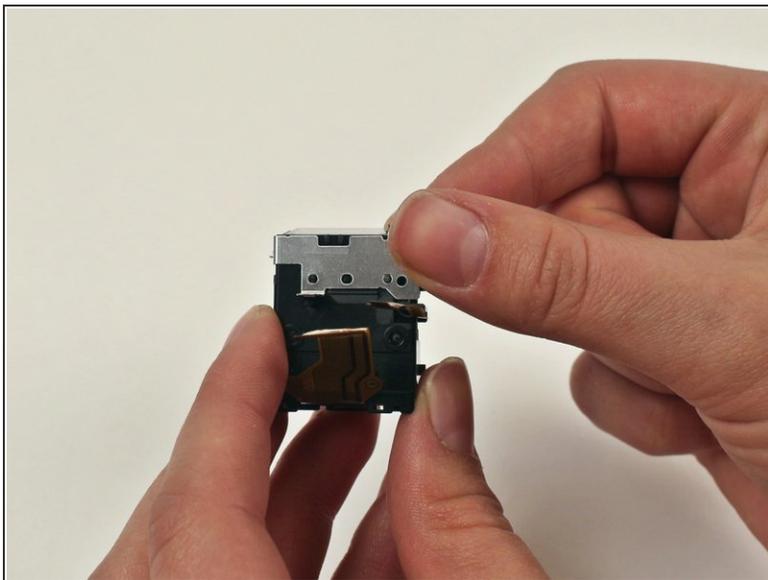
- Start at the top of the camera and use the plastic spudger to pry the motherboard out of the camera.

## Step 15 — Disassembling Panasonic LUMIX DMC-LX100



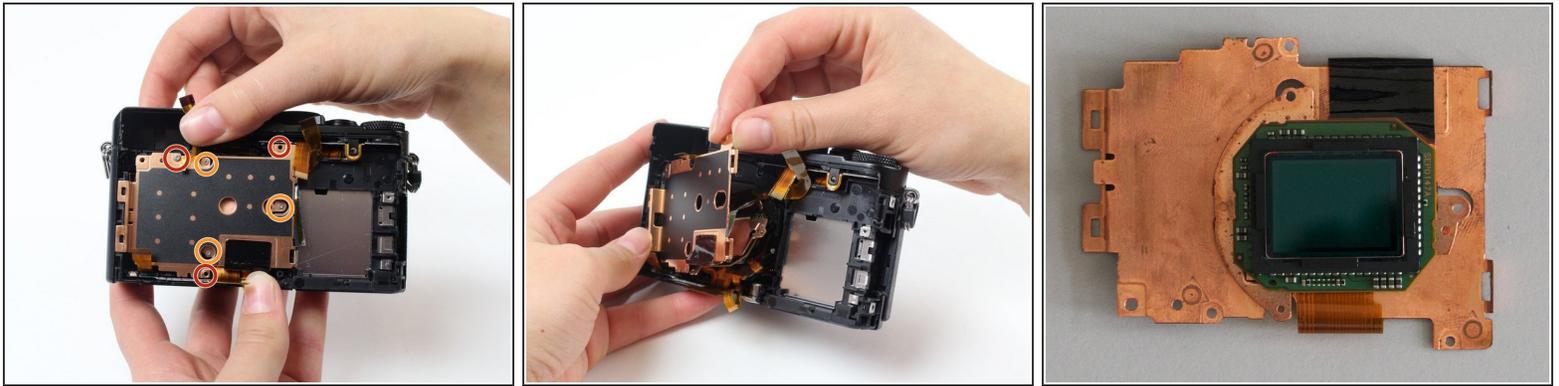
- Take the viewfinder you took out earlier and pull the small metal piece off of it.

## Step 16



- Pull the large metal piece off of the viewfinder.

## Step 17



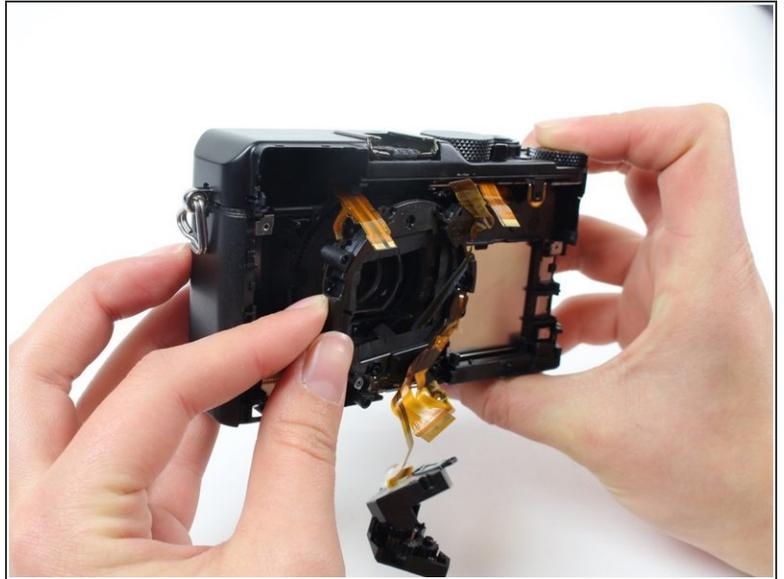
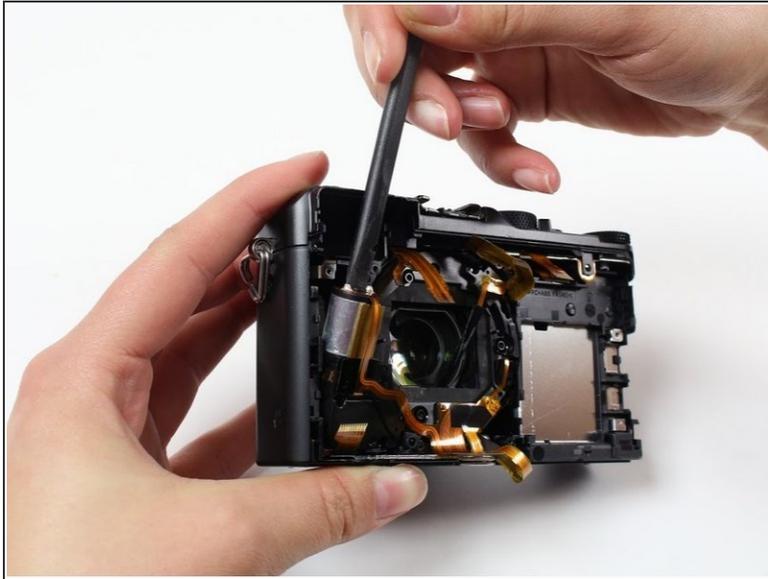
- Use a Phillips #000 screwdriver to remove the three 3.5 mm screws.
- Use a Phillips #000 screwdriver to remove the three 3 mm screws.
- ⓘ In some models these may be T3 or T4 Torx screws.
- Gently pull the copper plate towards you to remove it.
- ⓘ The sensor is attached to the copper plate and will come out with the copper plate. The thin, red glass plate glued to the front of the sensor is the infrared filter.

## Step 18



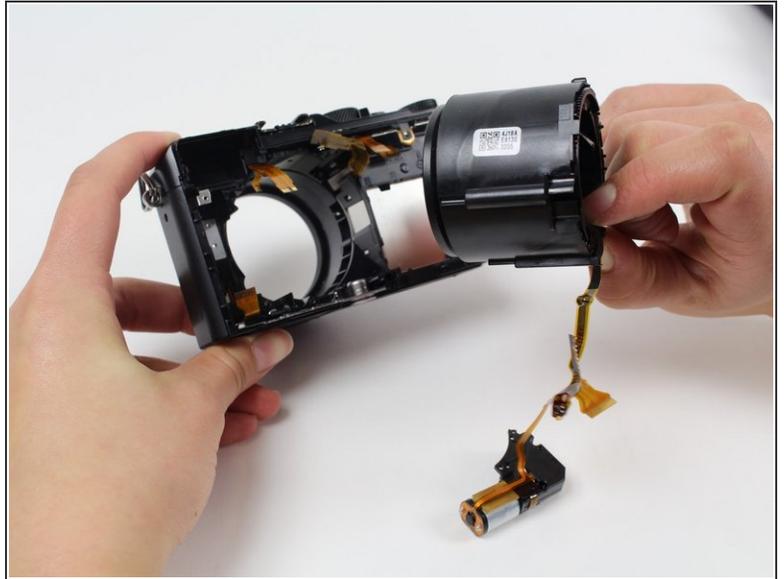
- Use a Phillips #000 screwdriver to remove the 4 mm screw.
- Use a Phillips #000 screwdriver to remove the 4.5 mm screw.
- Use a Phillips #000 screwdriver to remove the five 3.5 mm screws.
- Use a Torx T3 screwdriver to remove the three 3.1 mm screws.

## Step 19



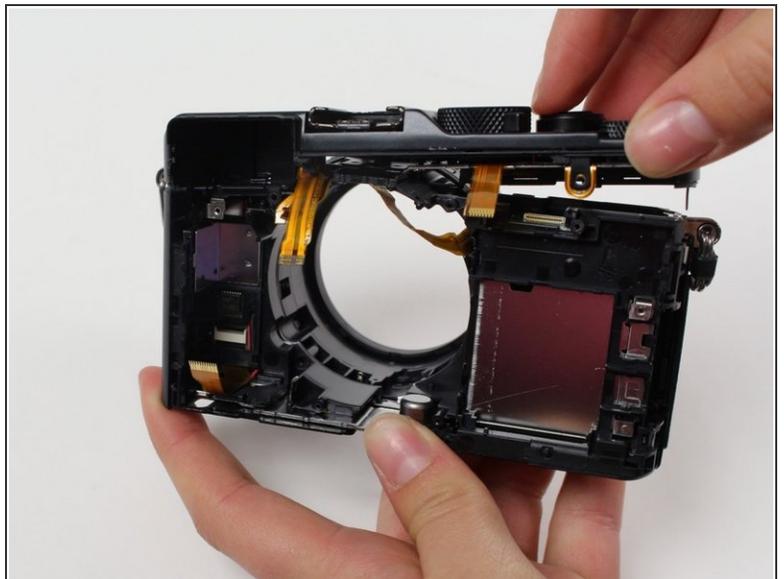
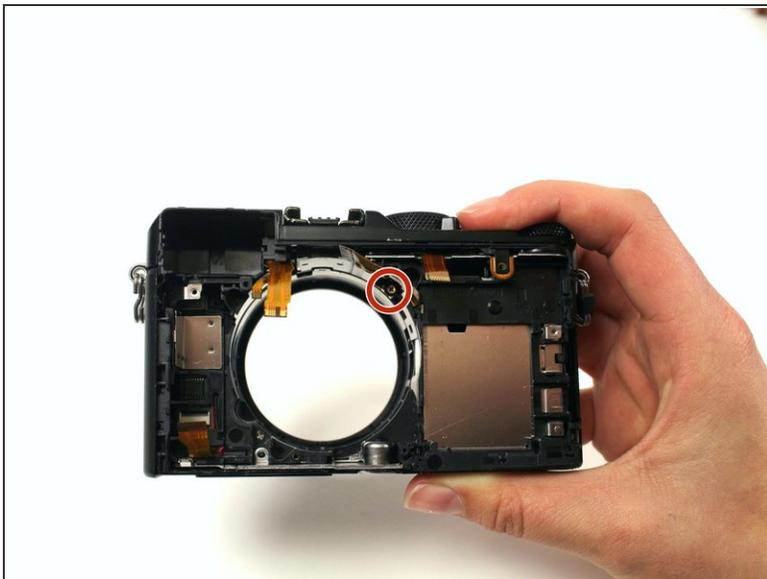
- Use a plastic spudger to gently pull the flash assembly out of its casing.
  - Gently pull the lens casing out of the camera.
- ⚠ Both the flash assembly and the lens casing will still be attached to the camera through ribbon cables so be careful not to rip them.
- ⚠ Be careful not to touch the leads on the capacitor, to avoid an electric shock.

## Step 20



- With two fingers, pinch the edge of the lens and gently pull it out.
- ⓘ You may need to use a spudger here to lift an edge of the lens up and make it easier to grasp.

## Step 21



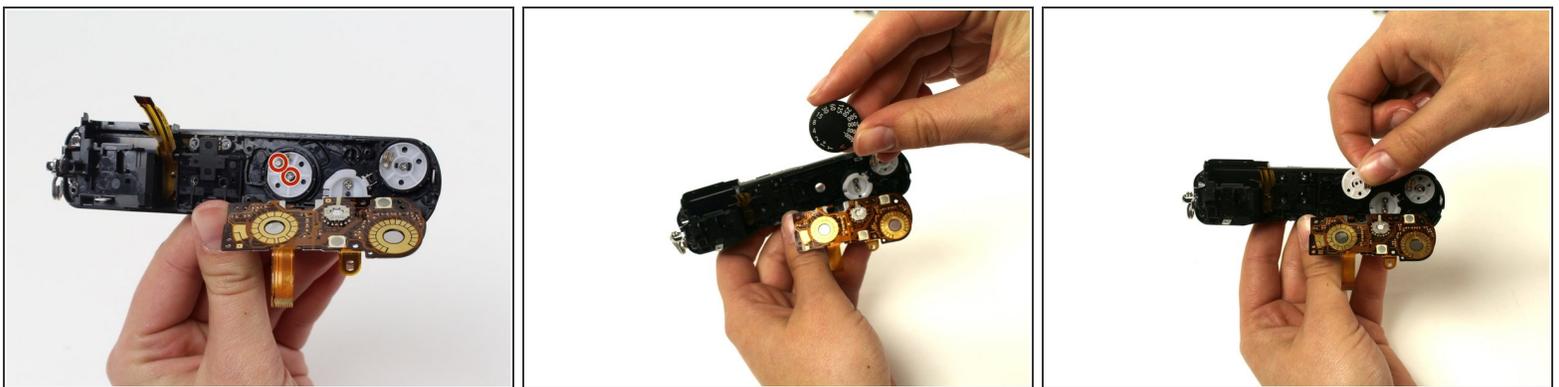
- Use a Phillips #000 screwdriver to remove the 4.5mm screw inside the lens housing.
- Gently pull the top piece off the camera.

## Step 22



- Use a Phillips #000 screwdriver to remove all five 4.1 mm screws from the piece you took off in the previous step.
- Gently pull the metal cover until it turns 180 degrees.
- ⓘ The metal cover will not come all the way off because it will still be attached by ribbon cables.

## Step 23



- To remove a knob, remove the screws on the white piece underneath the knob you want to remove with a Phillips #000 screwdriver.
- ⓘ The left knob is being removed in this step but the process is the same for any of the knobs pictured in this step.
- Pull the corresponding white piece off.
- Flip the piece over and pull the corresponding black knob off the top of the camera.

## Step 24



- You have completely disassembled your Panasonic Lumix DMC-LX100!

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