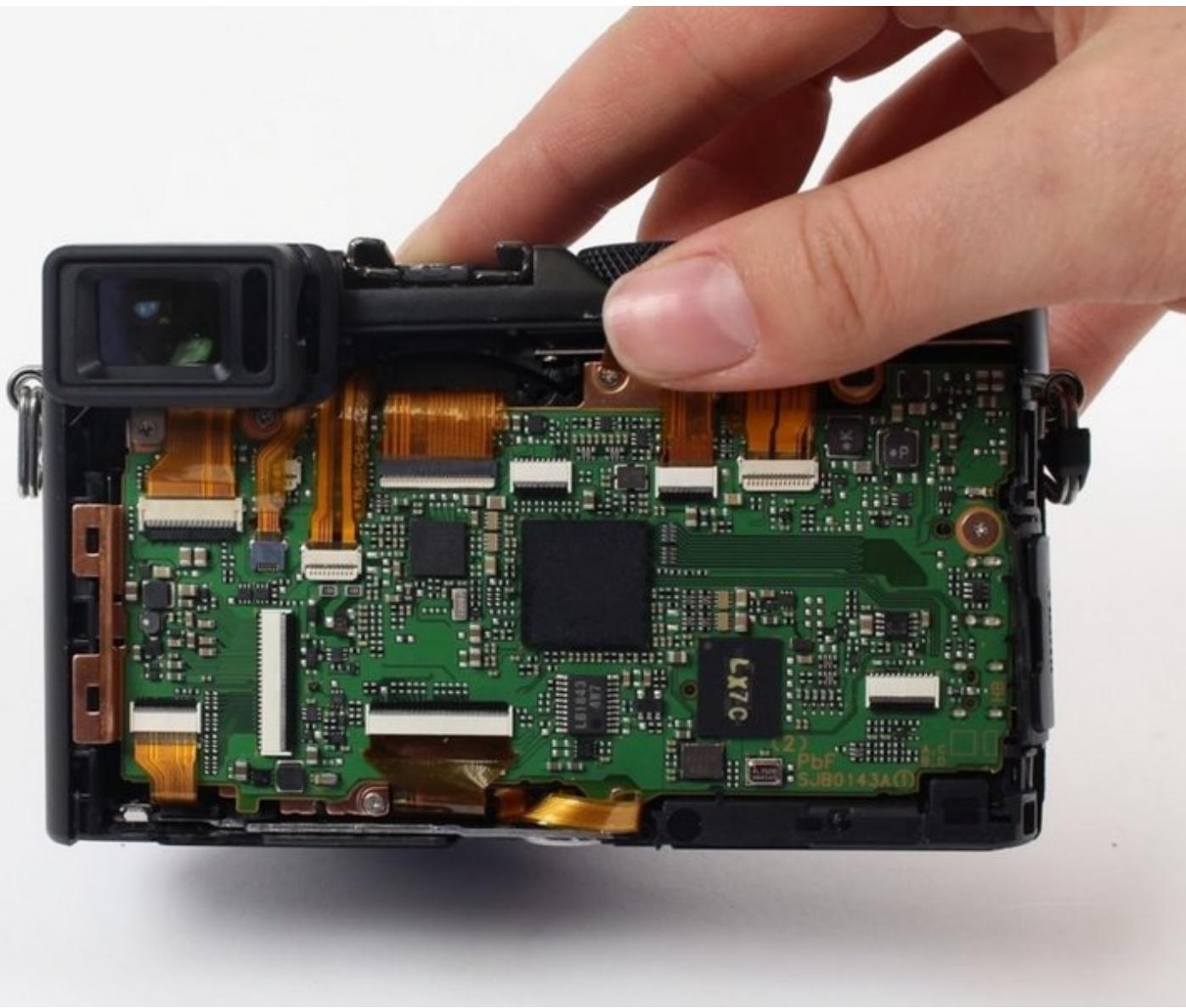




# Panasonic LUMIX DMC-LX100 Motherboard Replacement

This guide will help you to replace a broken or faulty motherboard in your camera.

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## INTRODUCTION

Is your camera still not turning on even with a working battery? Are your pictures not storing properly? Is your screen working, but still not displaying pictures? These problems may be due to a broken or faulty motherboard.

### TOOLS:

- [Heavy-Duty Spudger \(1\)](#)
- [Tweezers \(1\)](#)
- [Phillips #000 Screwdriver \(1\)](#)

## Step 1 — Battery



- Looking at the bottom of the camera, slide the OPEN/LOCK switch to the left into the OPEN position.
- *(i)* 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.

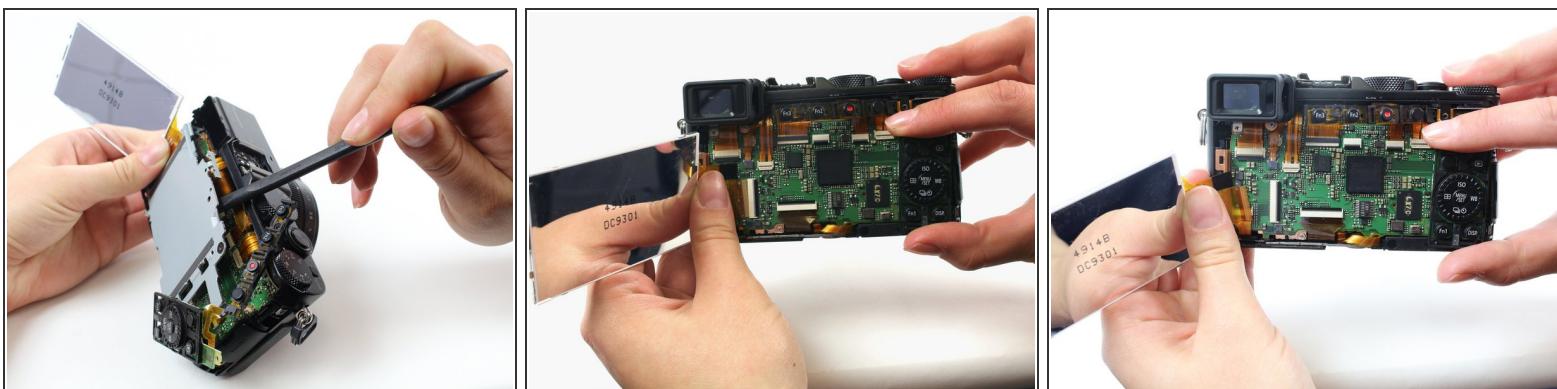
- Pry off the back of the camera using a spudger starting from the top right side of the LCD screen.

## 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

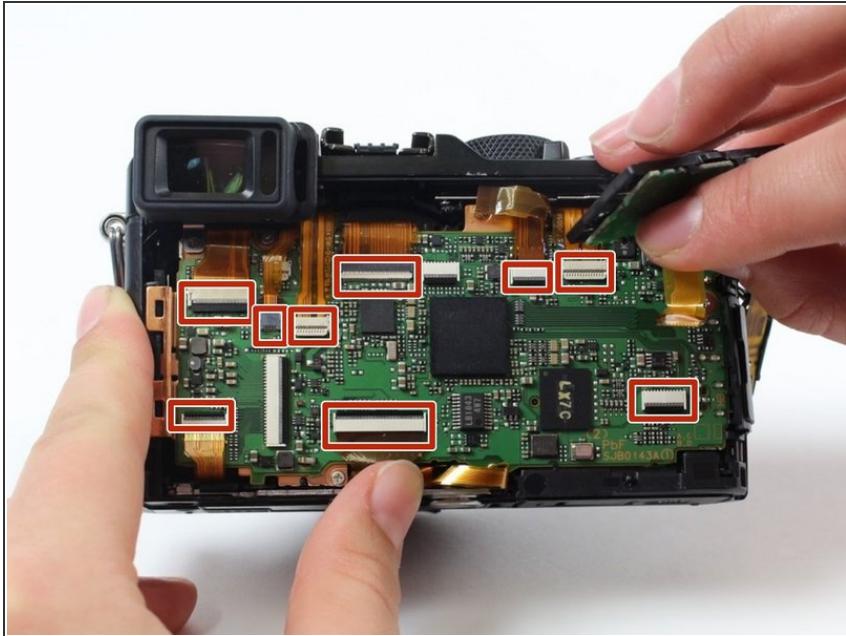


- Lift the LCD screen away from the device.
- Pry off the silver metal backing with a spudger.
- Pull out the ribbon cable that attaches the LCD screen to the motherboard.

*(i)* 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.

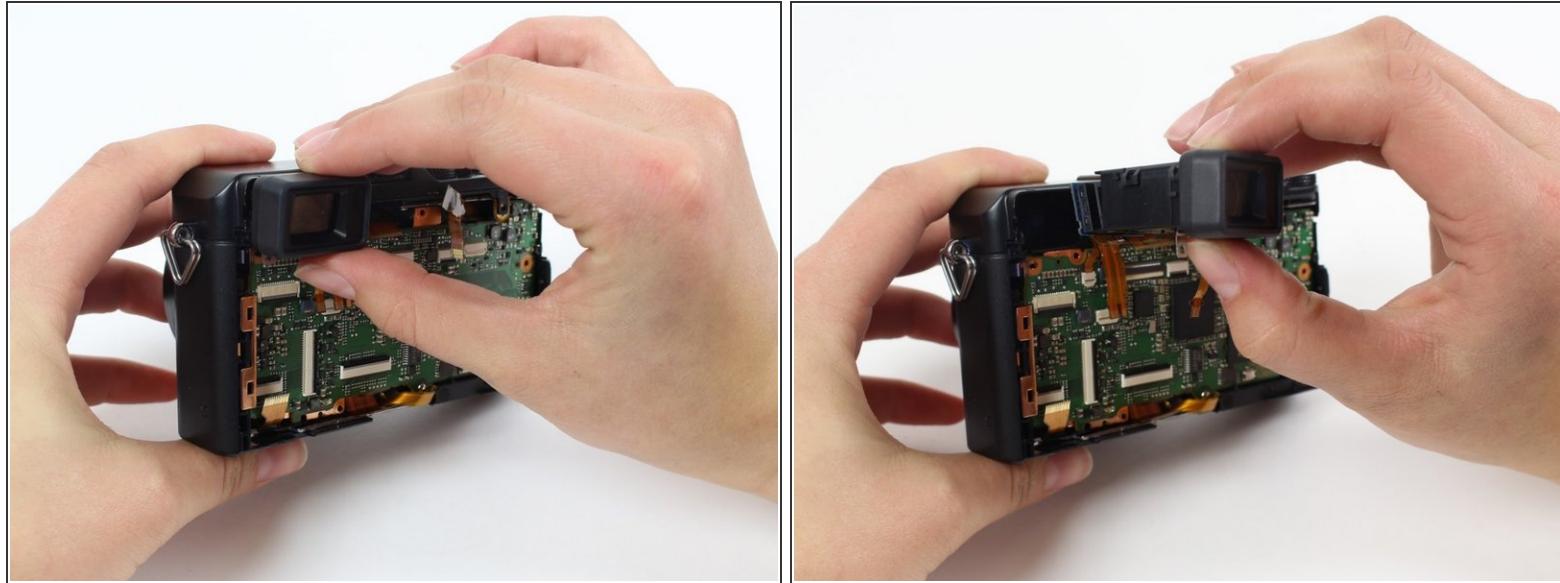
- Disconnect the nine visible ribbon cables/ZIF connectors by flipping the black bars up and pulling the ribbon straight out of the connector.
- Disconnect two more cables in the upper left corner of the board, hidden behind the visible cables.
- **i** Learn more about disconnecting ZIF connectors [here](#).

## 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.

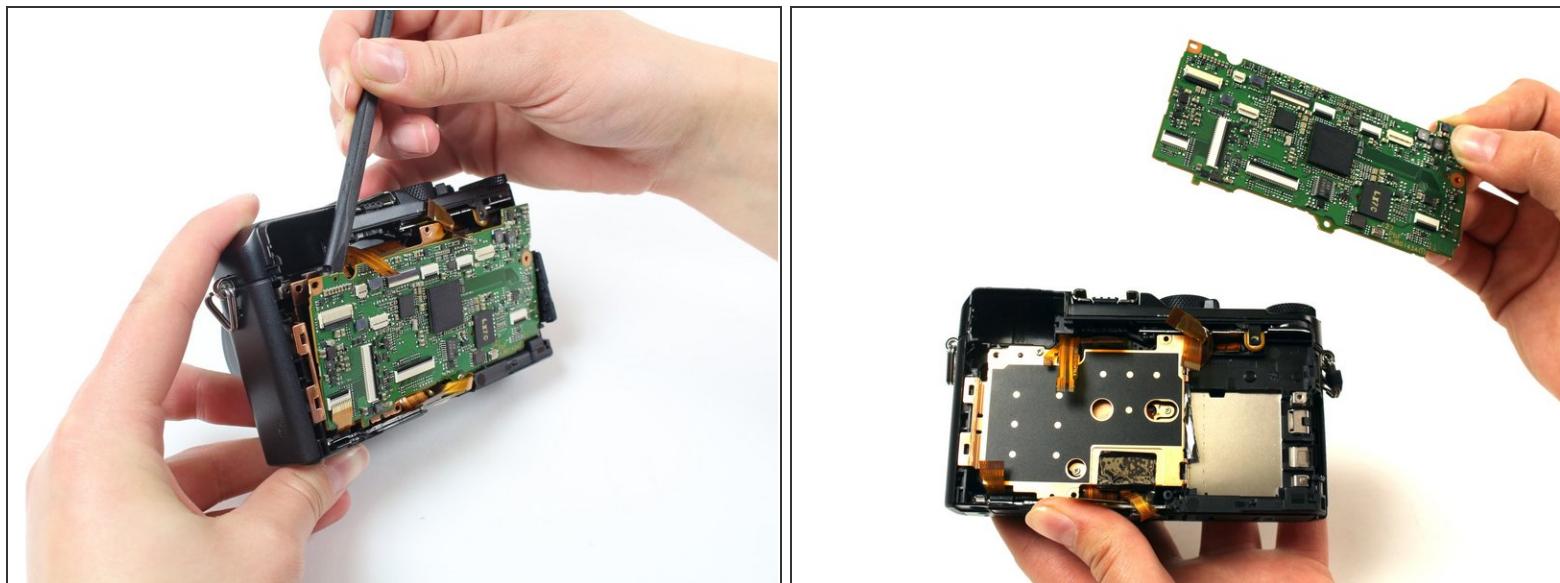
## Step 13



- Use two fingers to gently pull the viewfinder toward you and out of its housing.

*(i)* 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.

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