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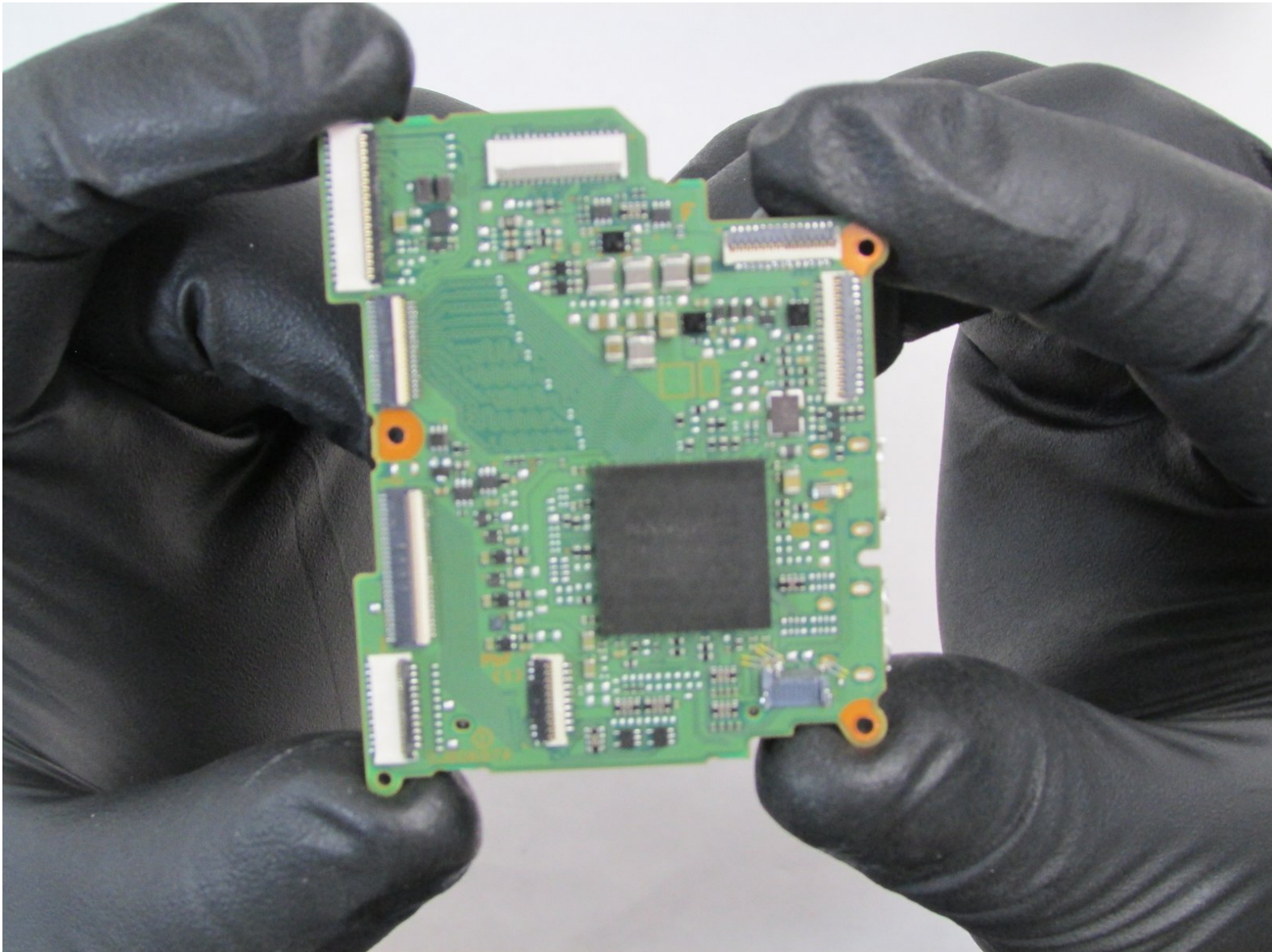
Panasonic Lumix DMC-GX85 Main PCB Replacement

How to replace a Panasonic Lumix DMC-GX85 main PCB.

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INTRODUCTION

The Main PCB is one of the most important parts of the Panasonic Lumix DMC-GX85; it cannot function properly without one. Replacing a faulty Main PCB is made easy here.

🔧 TOOLS:

- Phillips #0 Screwdriver (1)
- Spudger (1)
- J00 JIS Screwdriver (1)
- iFixit Opening Tools (1)
- 2.5 mm Flathead Screwdriver (1)

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Step 1 — Rear Cover

- Remove the plastic hot shoe cover by sliding it towards the rear of the camera.

Step 2

- Using a spudger, gently lift the forward end of the shoe spring to disengage its locking mechanism.

- While holding the forward end of the shoe spring up, push from its lifted end to remove the shoe spring.

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Step 3

- Remove the two 6.0mm silver Phillips #0 screws closest to the display screen.

- ⓘ Do not remove the two forward-most silver screws.

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Step 4

- Turn the camera so the side with the jack cover is facing you.

- Near the camera's top end, remove the 4.0mm black Phillips #0 screw on the bottom in this orientation.

- Open the jack cover and remove the 4.0mm black Phillips #0 screw inside.
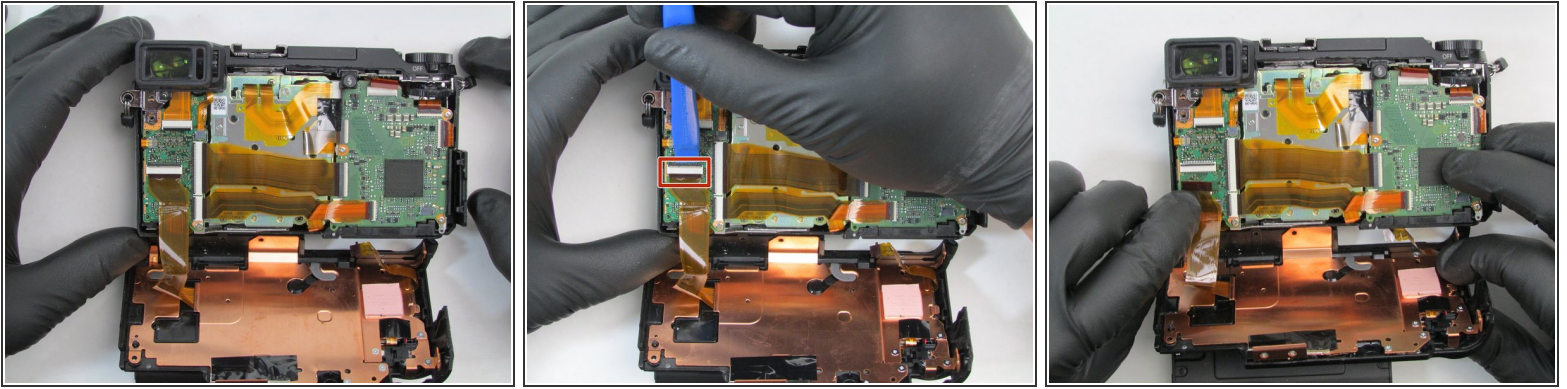
Step 5

- Flip the camera upside down so the bottom of the camera is facing you.

- Remove the two center 2.5mm black Phillips #0 screws.

- Remove the outer 4.5mm black Phillips #0 screw.
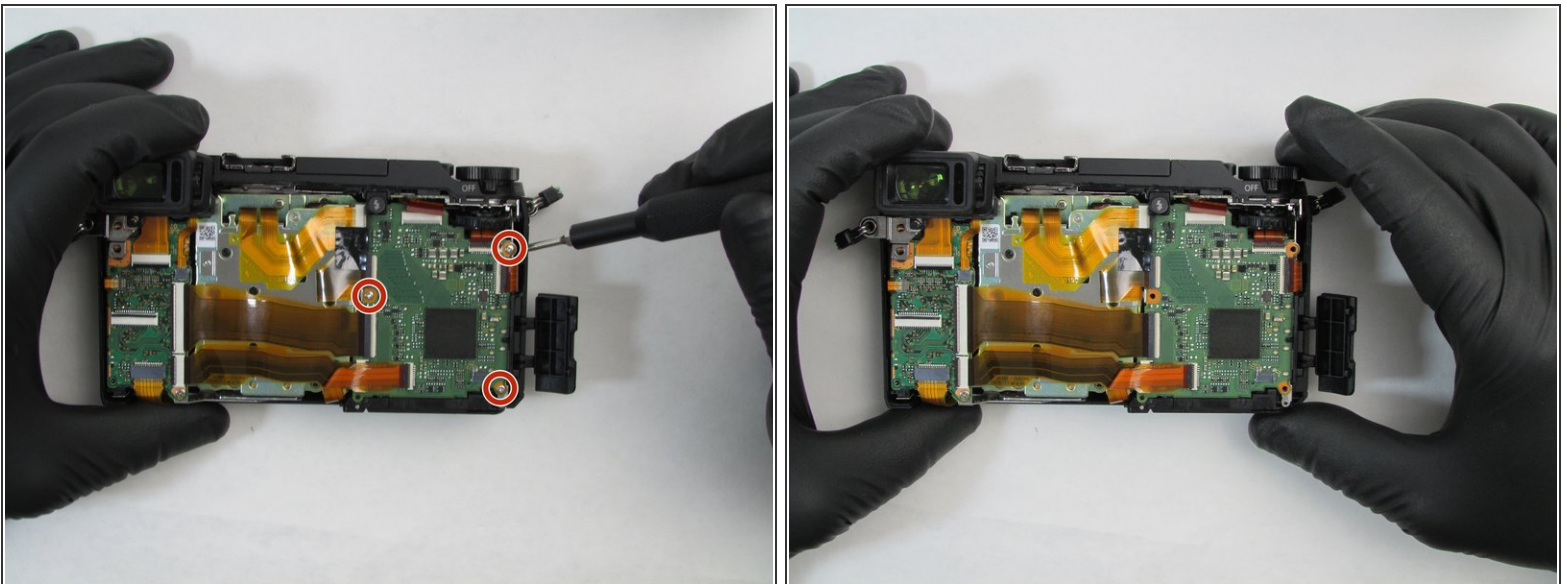
Step 6

- Turn the camera so the display screen is facing you.

- Rotate the top of the screen away from the camera body to access and remove the 4.5mm black Phillips #0 screw.

- Remove the rear camera cover by gently pulling from the top side.

- ⓘ When removing the rear cover, pull apart slowly to prevent damaging the ribbon cable connecting the display screen and the Sub PCB.

Step 7

- Turn the camera so the lens is facing down with the rear cover pulled back.

- Disconnect the ribbon cable from the camera by pulling up on the black locking tab with an iFixit opening tool.

- Pull the ribbon cable from the connector. The rear cover is now completely detached from the camera.

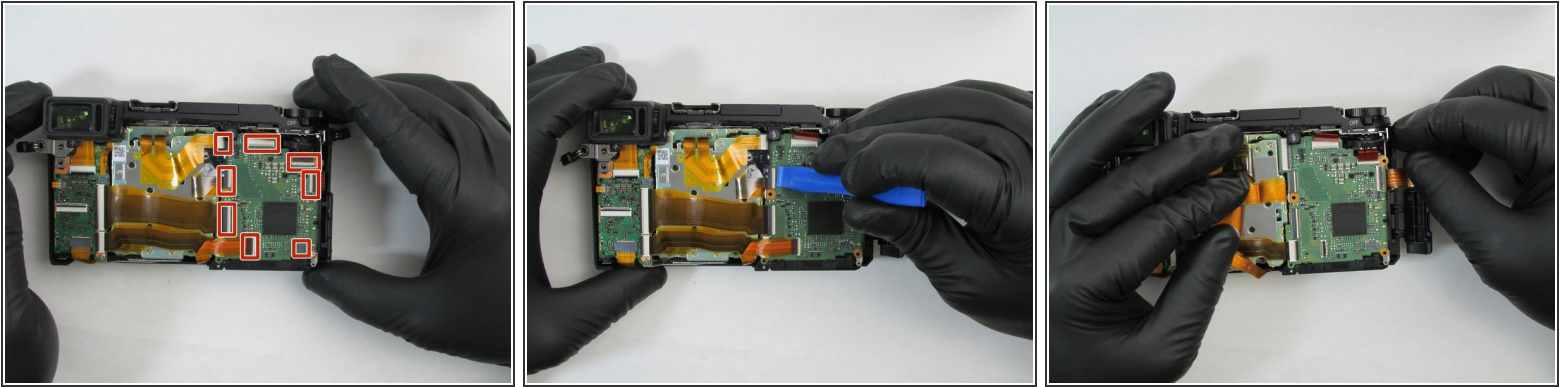- (i) Do not bend the ribbon cable excessively and take care not to damage the ribbon cable.

Step 8 — Main PCB

- Remove the three 3.5mm silver Phillips #0 screws mounting the main PCB to the camera frame.

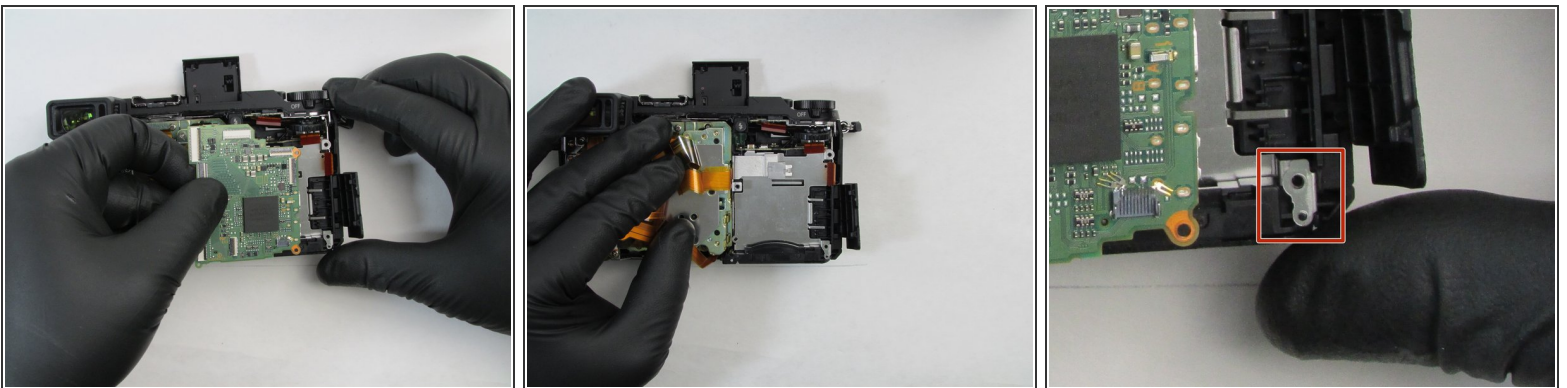This document was generated on 2020-01-13 05:27:16 PM (MST).

Step 9

- Disconnect the eight ribbon cables from the main PCB by pulling up on the black locking tabs with an iFixit opening tool.

- Pull the ribbon cables from the connectors.

- (i) Do not bend the ribbon cable excessively and take care not to damage the ribbon cable.

Step 10

- Gently lift the motherboard away from the camera body.

- (i) When removing the main PCB, take care not to lose the battery earth plate.

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

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