Panasonic Lumix GX80/85 Teardown

Written By: Andi

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INTRODUCTION

Disassembly to get to the sensor. Some images are courtesy of lifepixels.com

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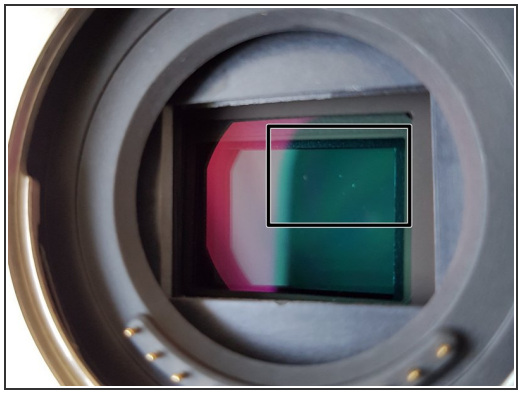
Step 1 — Panasonic Lumix GX80/85 Teardown



- I have dust particles underneath the sensor glass, so sensor swabs didn't help me. I will try to get inside and under the glass. Additionally the EVF is overbright after a drop and maybe can be rearranged in the process.
- You can spot dust marks yourself best if you set the camera to the "A" mode at f/22 and take a picture of the sky

Step 2

- Start with these two screws. Remember screw sizes and position, there are many different lengths used!

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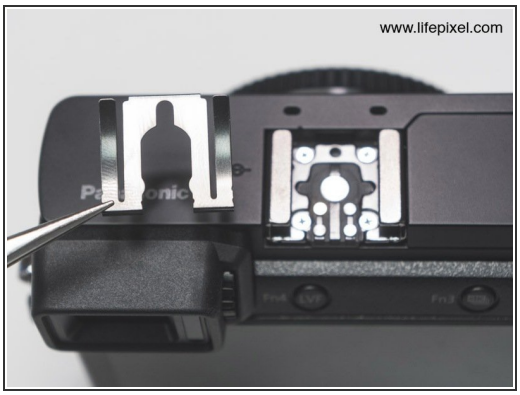
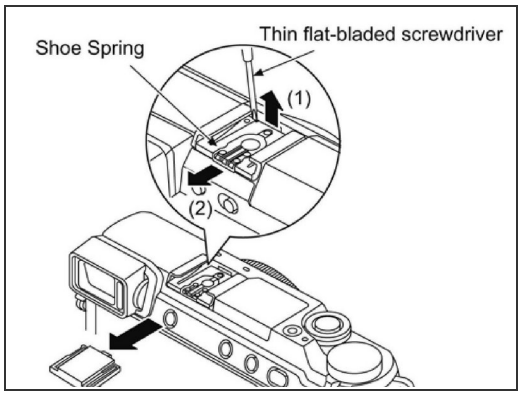
Step 3





- remove the flash spring as shown and the four screws

Step 4

- Remove this screw

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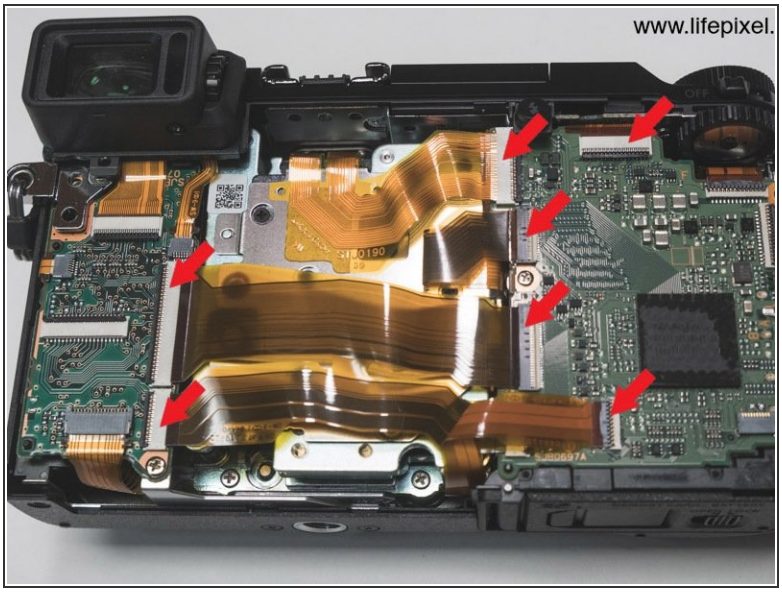
Step 5

- remove the bottom screws

Step 6



- remove the backplate and remove the ribbon cables

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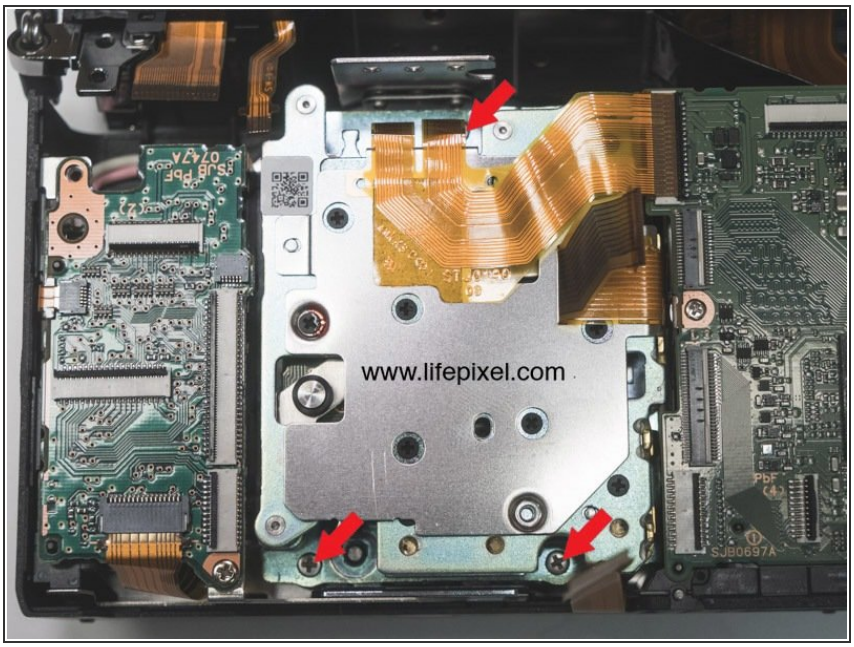
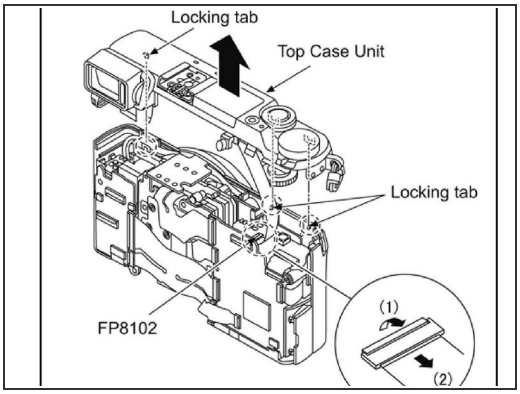
Step 7



- remove the 3 screws

Step 8



⚠ CAUTION

Be sure to discharge the E.Capacitor on Flash P.C.B. before disassembling.

Be careful of the high voltage circuit on Flash P.C.B. when servicing.

1. Remove the Top Case Unit.
2. Put the insulation tube on the lead part of resistor (ERG5SJ102: 1kΩ / 5W).
   (An equivalent type of resistor may be used.)
3. Put the resistor between both terminals of E.Capacitor on the Flash P.C.B. for approx. 5 seconds.
4. After discharging, confirm that the E.Capacitor voltage is lower than 10V by using a voltmeter.

- to remove the sensor more easily you can remove the top bar before

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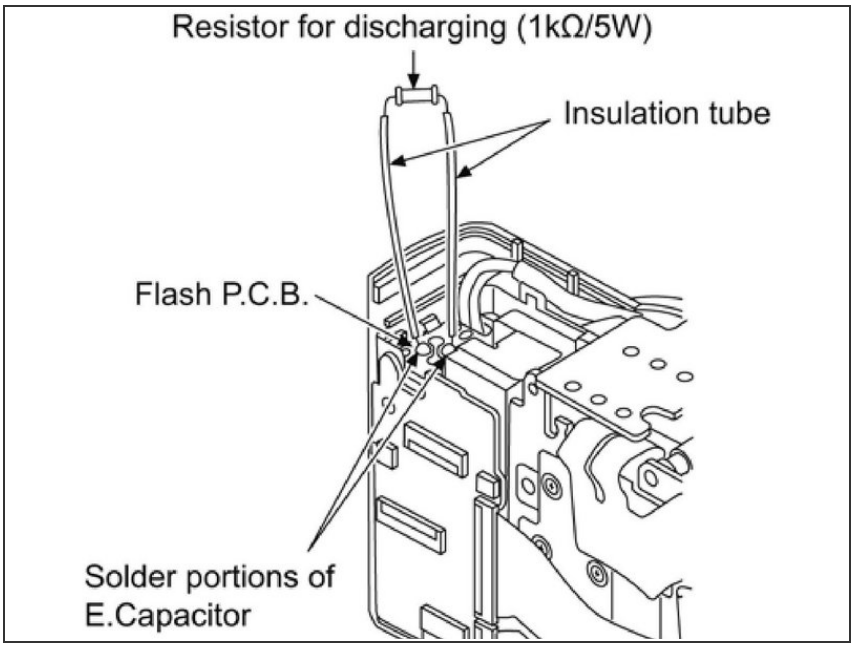
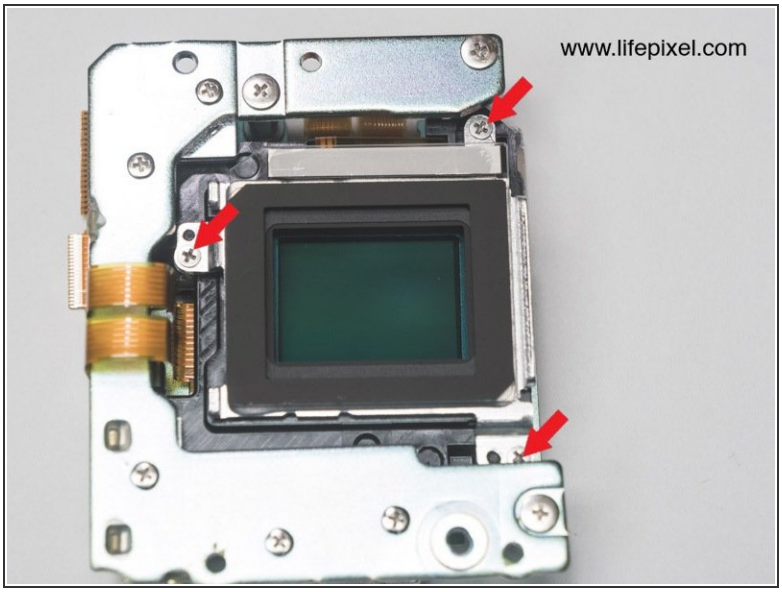
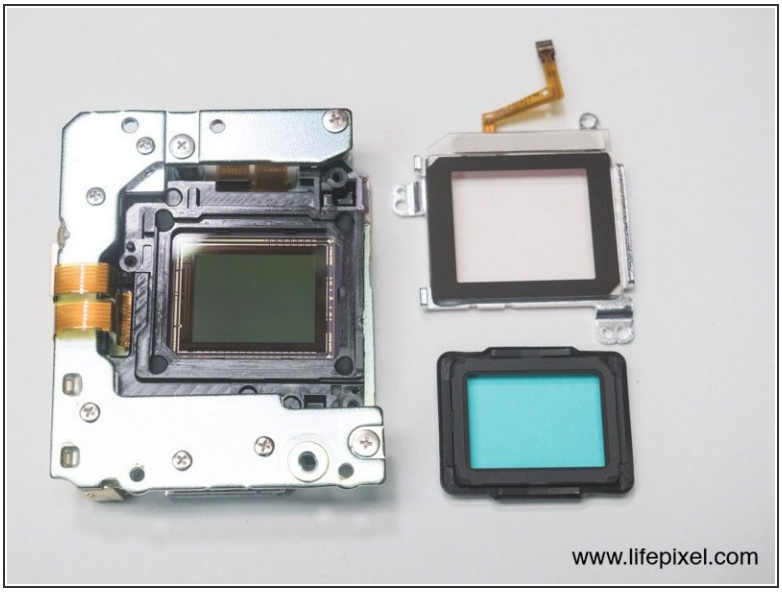
Step 9



- Flash E.Capacitor removal

Step 10





- Remove the 3 screws to get the sensor cover glass off. Be Careful not to let them fall inside the housing. There are extremely strong magnets!

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

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