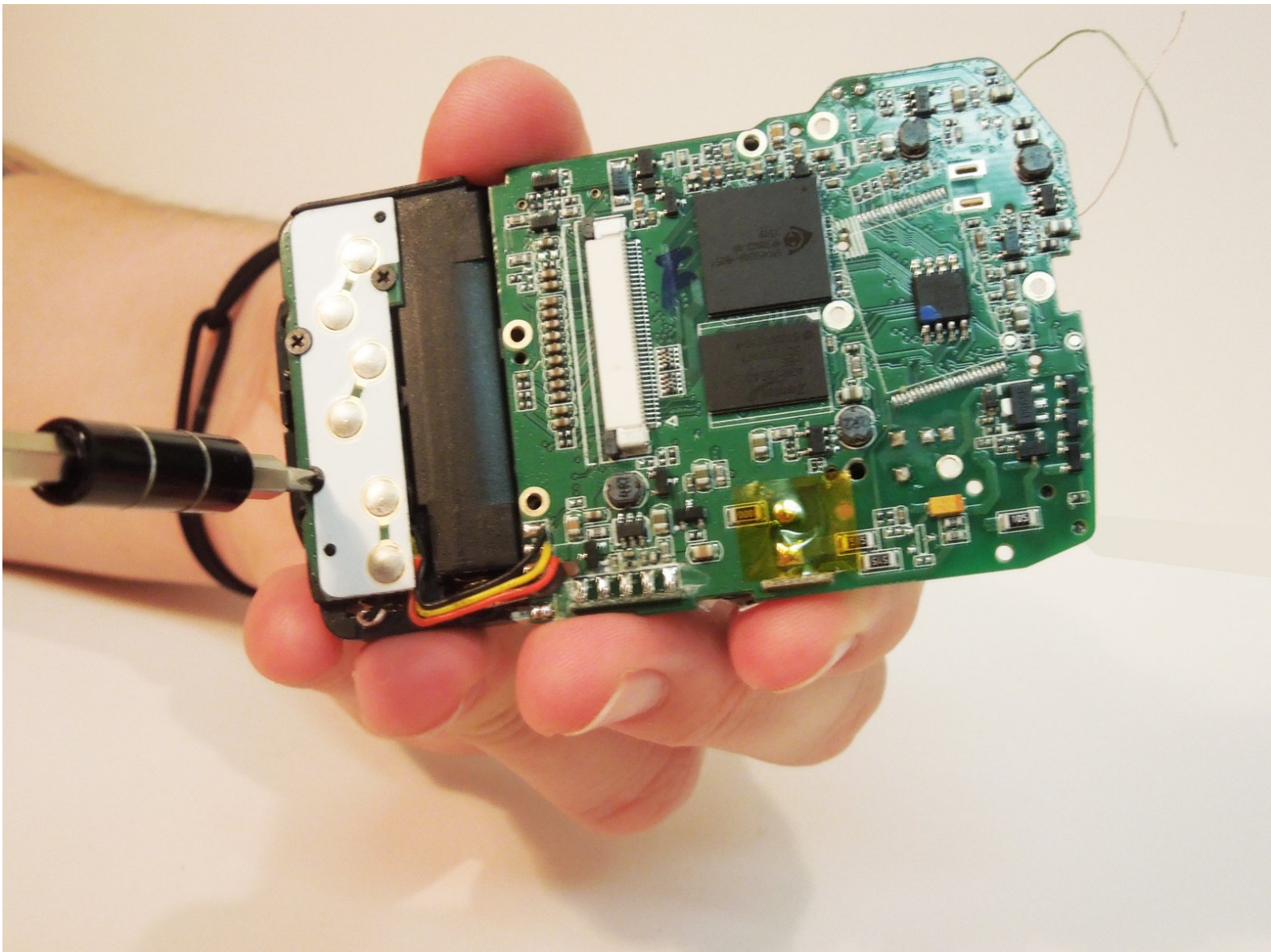# Ivation IVWPDC20Y Motherboard Replacement

Ivation IVWPDC20Y Repair Motherboard Replacement

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INTRODUCTION

Use this guide when you need to replace the motherboard.

🔧 TOOLS:

- T6 Torx Screwdriver (1)
- Phillips #00 Screwdriver (1)
- Heavy-Duty Spudger (1)
- Soldering Iron (1)
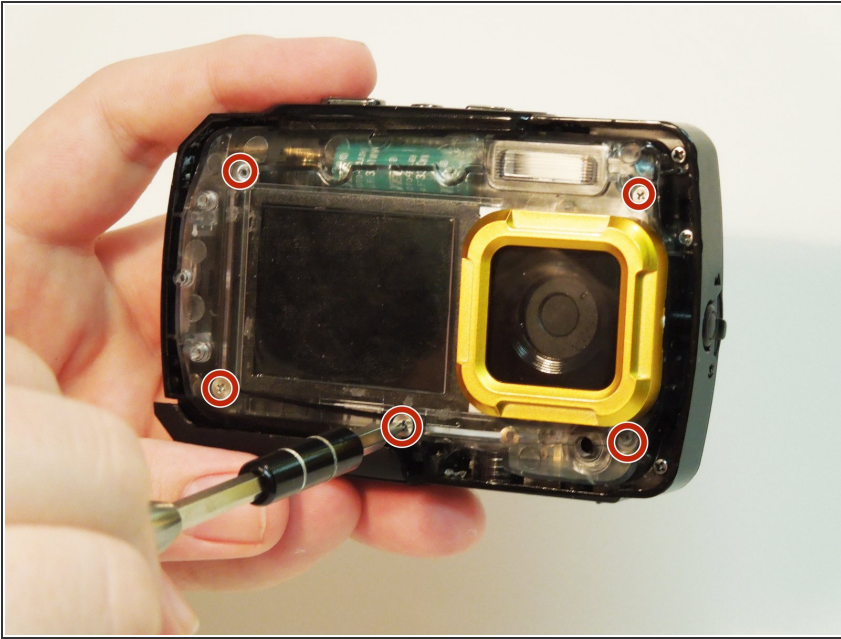
Step 1 — Motherboard

- With the H2.0 bit screwdriver, remove the two screws on the yellow waterproof cover
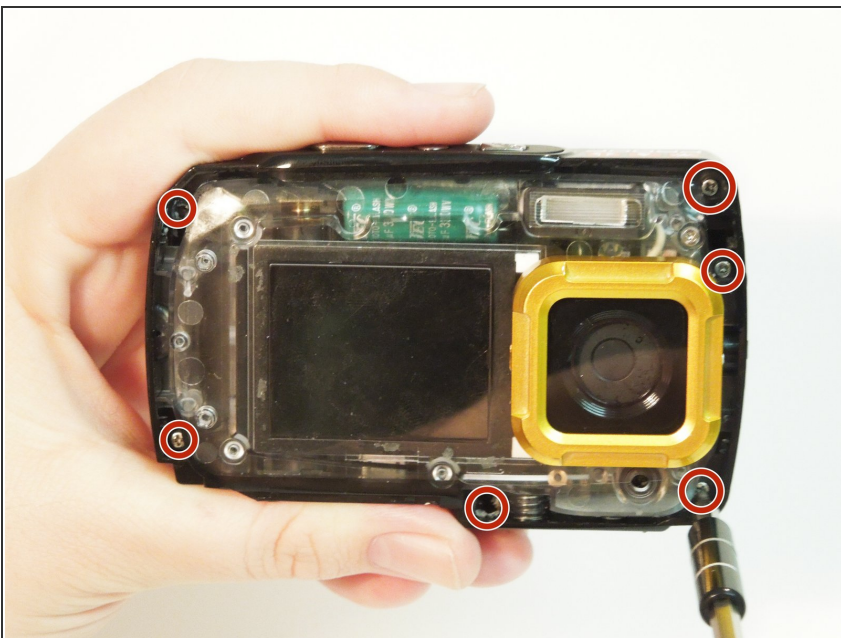
Step 2

- Apply a plastic opening tool to each of the corners and gently remove the casing

- ⓘ The front casing is held down by adhesive and may require additional work to remove

- ⚠ Apply just enough force to undo the inner latches to make sure not to damage the waterproof seal

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Step 3

- Remove the five silver screws from the inner casing using the PH00 screwdriver bit

Step 4

- Remove the six screws from the edge of the clear inner casing with the PH00 screwdriver bit

⚠️ These screws are very small and easy to strip so apply consistent pressure when removing them

Step 5

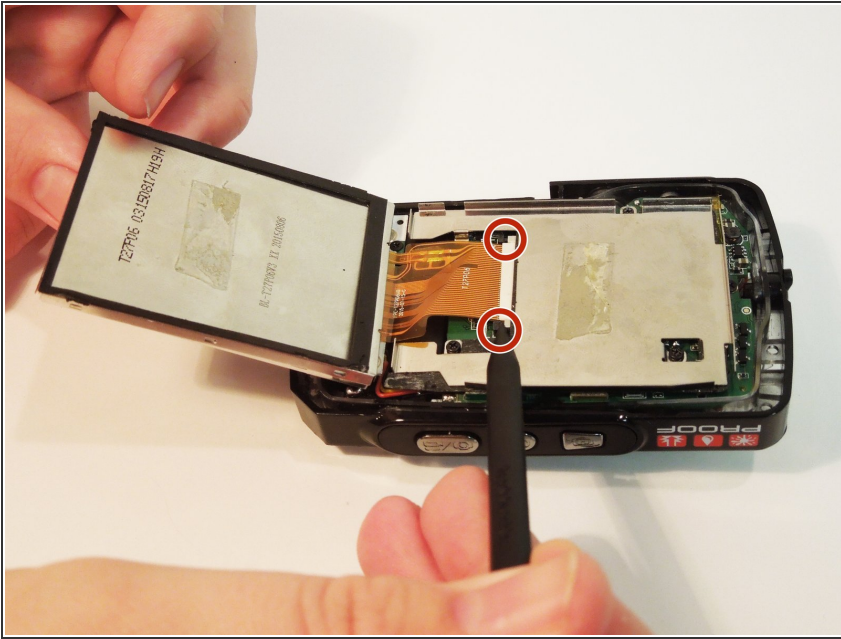- Pry off back outer casing using the black spudger or the blue prying tools

Step 6

- Carefully remove the screen from the silver casing using a prying tool or the black spudger
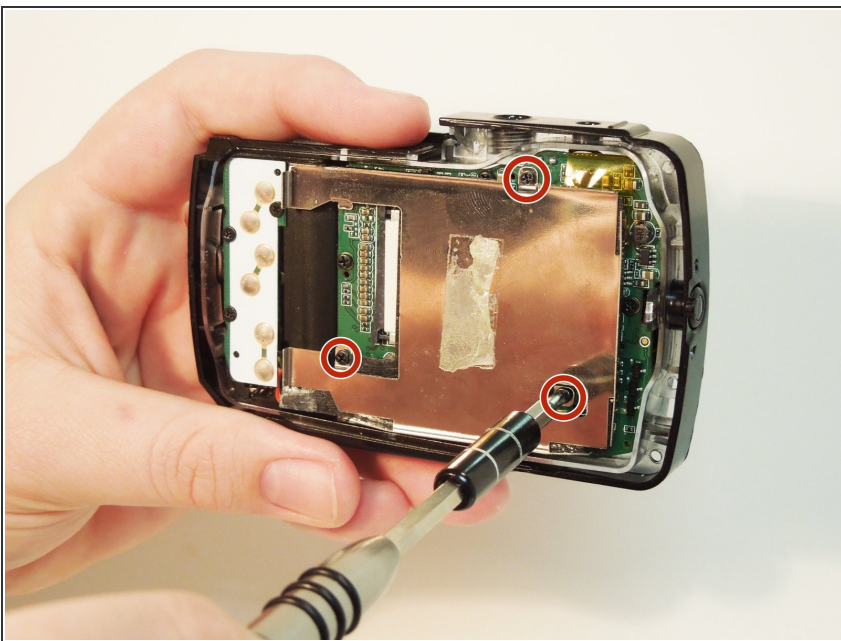
⚠ There is adhesive in the center of the screen, be sure not to bend it when applying pressure
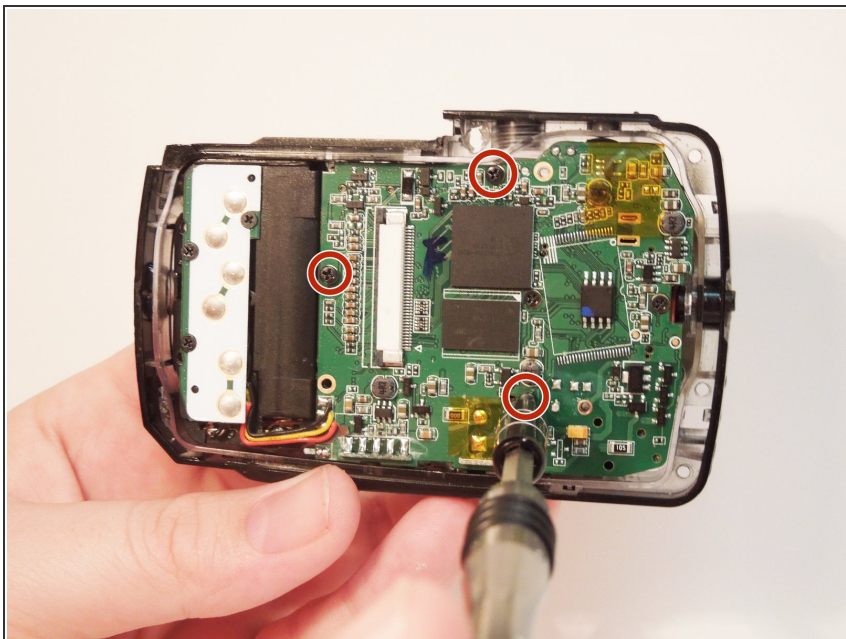
Step 7

- Gently push out the pins holding the orange tape down using the pointy end of the spudger

- ⓘ Screen and orange tape should slip out as a whole

Step 8

- Remove three screws holding the silver screen casing to the motherboard using the PH00 bit screwdriver
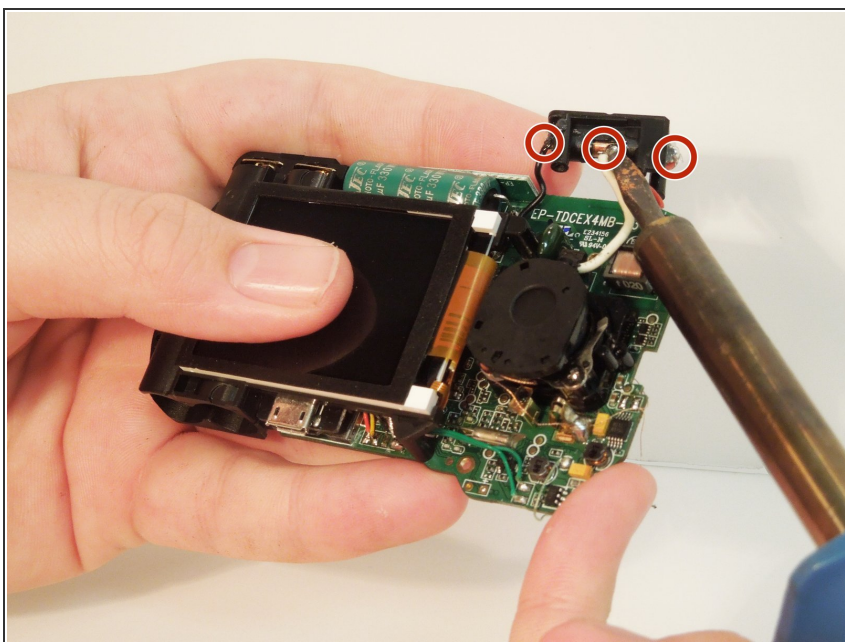
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Step 9

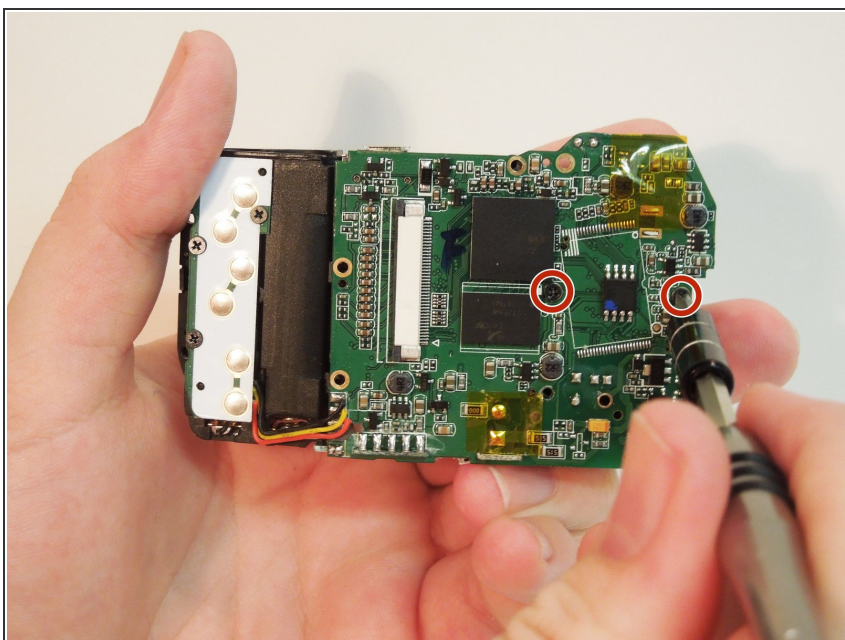- Remove three screws holding the motherboard into the casing using the PH00 bit screwdriver bit

Step 10

- Gently lift the corner of the motherboard out

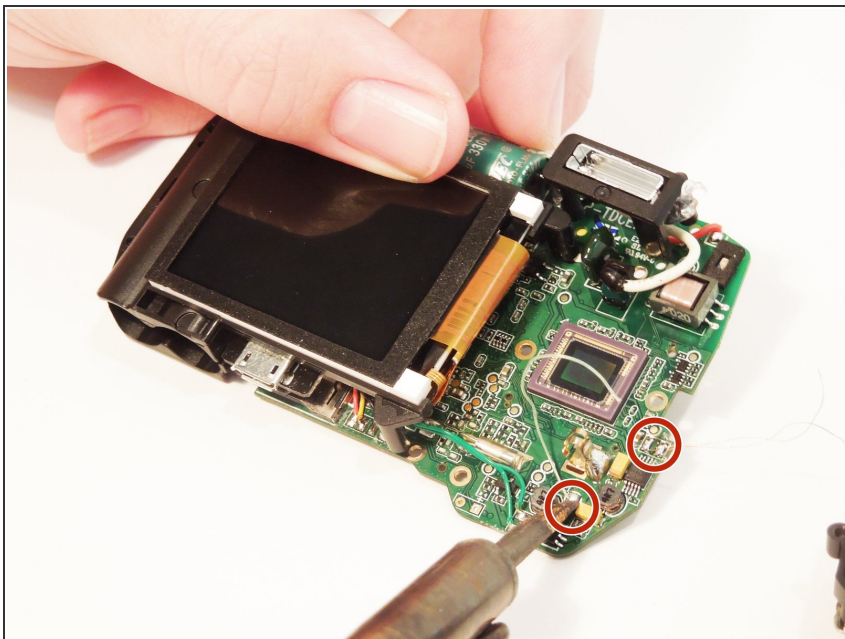- ⓘ Everything should come out as one component free of the casing

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Step 11

- Remove the soldering on the three wires holding the flash bulb
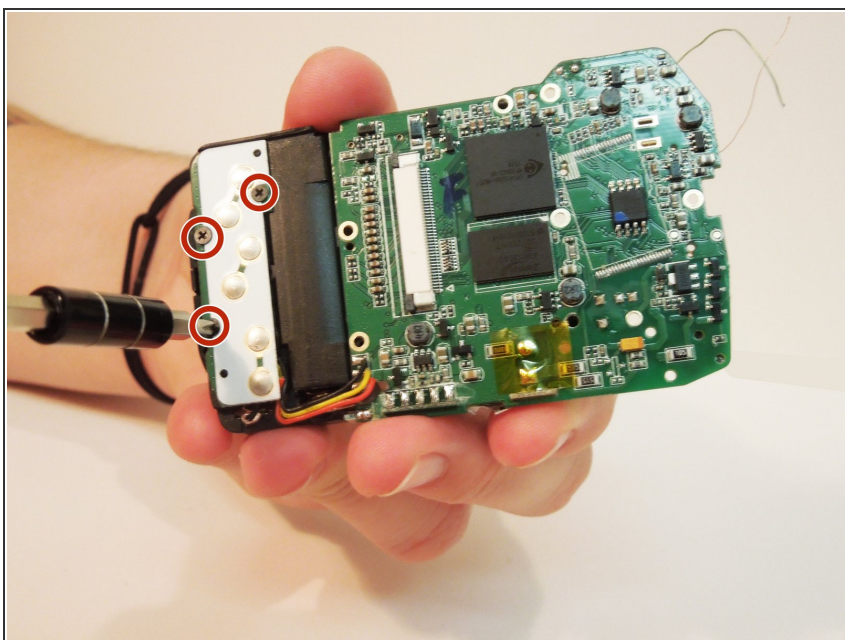- (i) The wires are different colors: red, white, and black

Step 12

- Remove the two screws holding the lens assembly to the motherboard using the PH00 bit screwdriver

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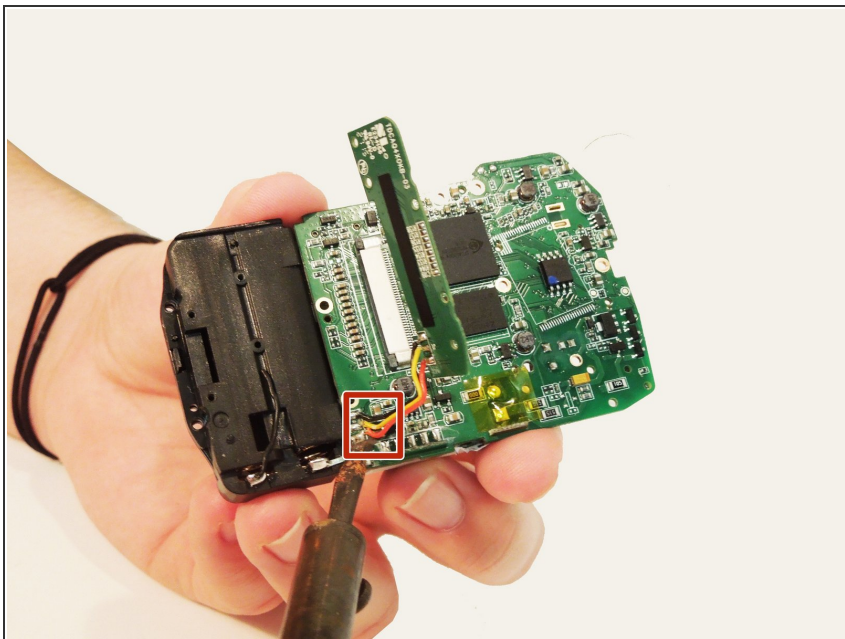
Step 13

- Remove the soldering on the 3 wires that are connected to the lens unit
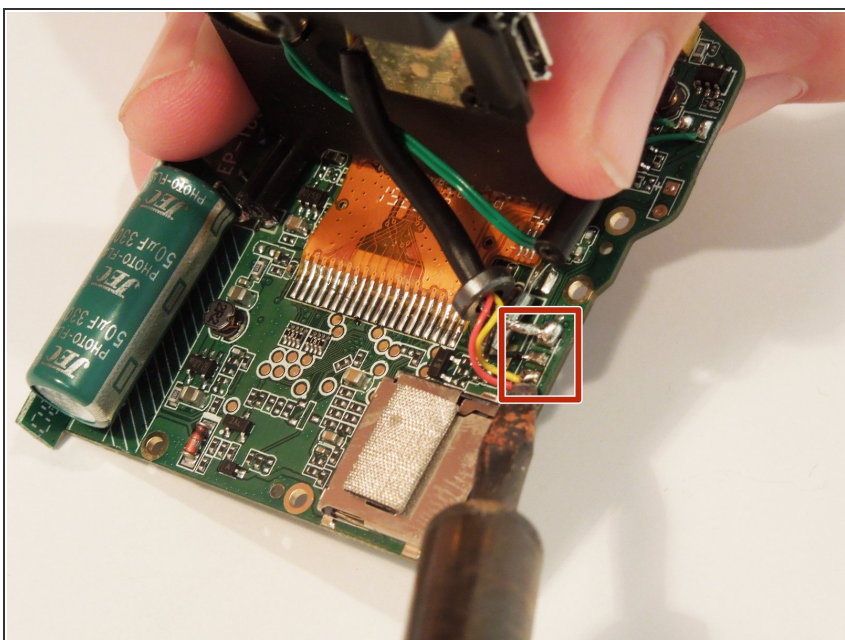
Step 14

- Remove the three screws holding the button sensors to the battery casing using the PH00 screwdriver bit
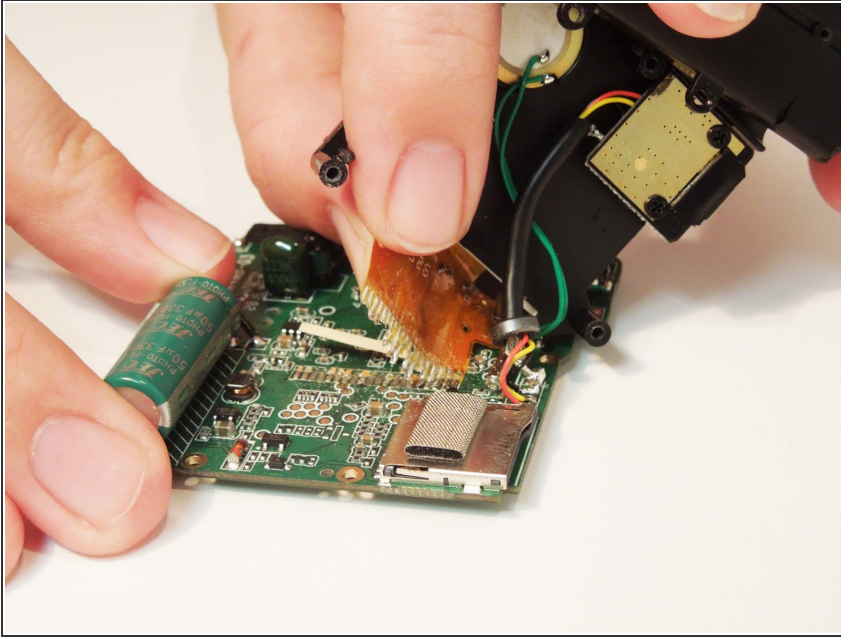
Step 15

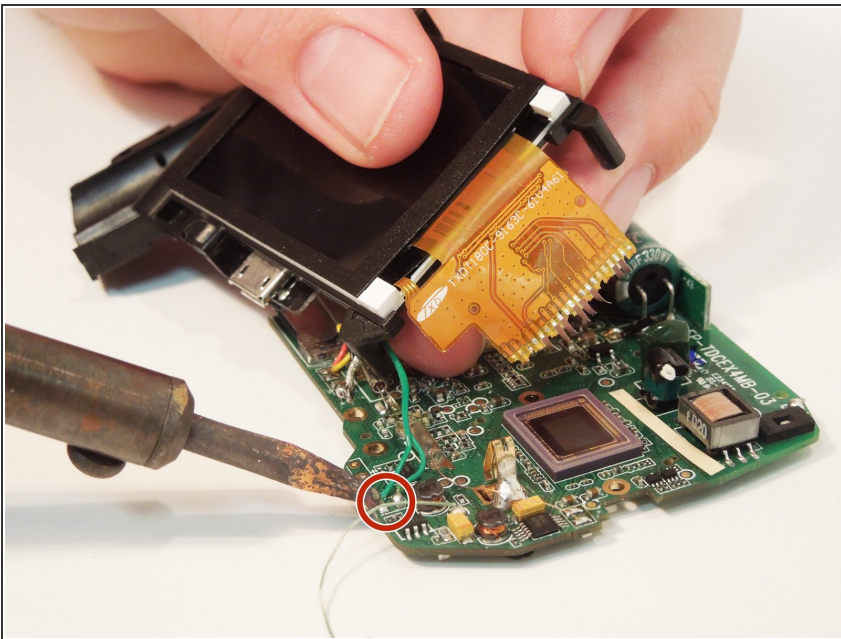- Remove soldering on the grouping of wires connecting the button sensors

Step 16

- Lift screen to reveal wires underneath
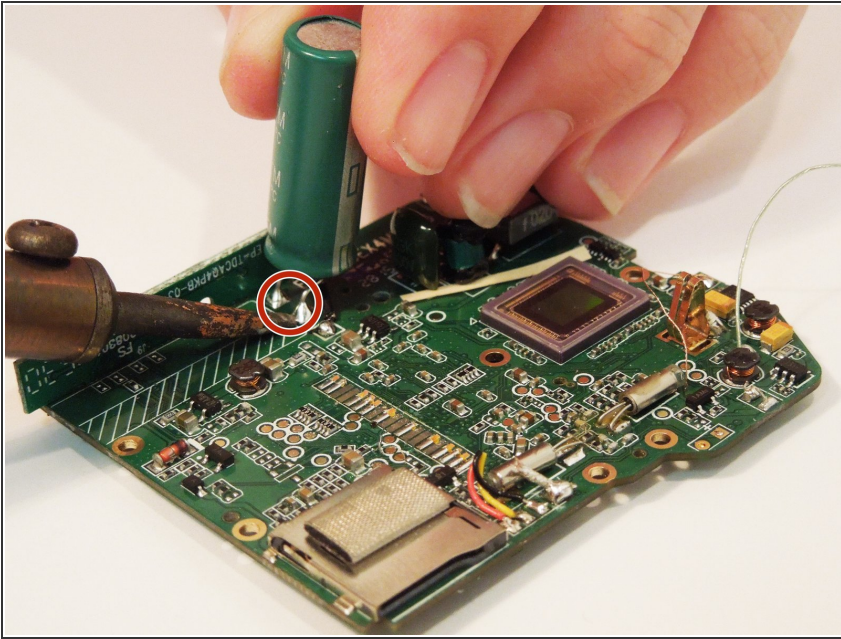
- Remove soldering connecting screen to the motherboard

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Step 17

- Gently pull orange tape from the motherboard

Step 18

- Remove soldering from the two green wires connected to the motherboard

Step 19

- Gently bend the capacitor upwards

- Remove soldering from the two connectors

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