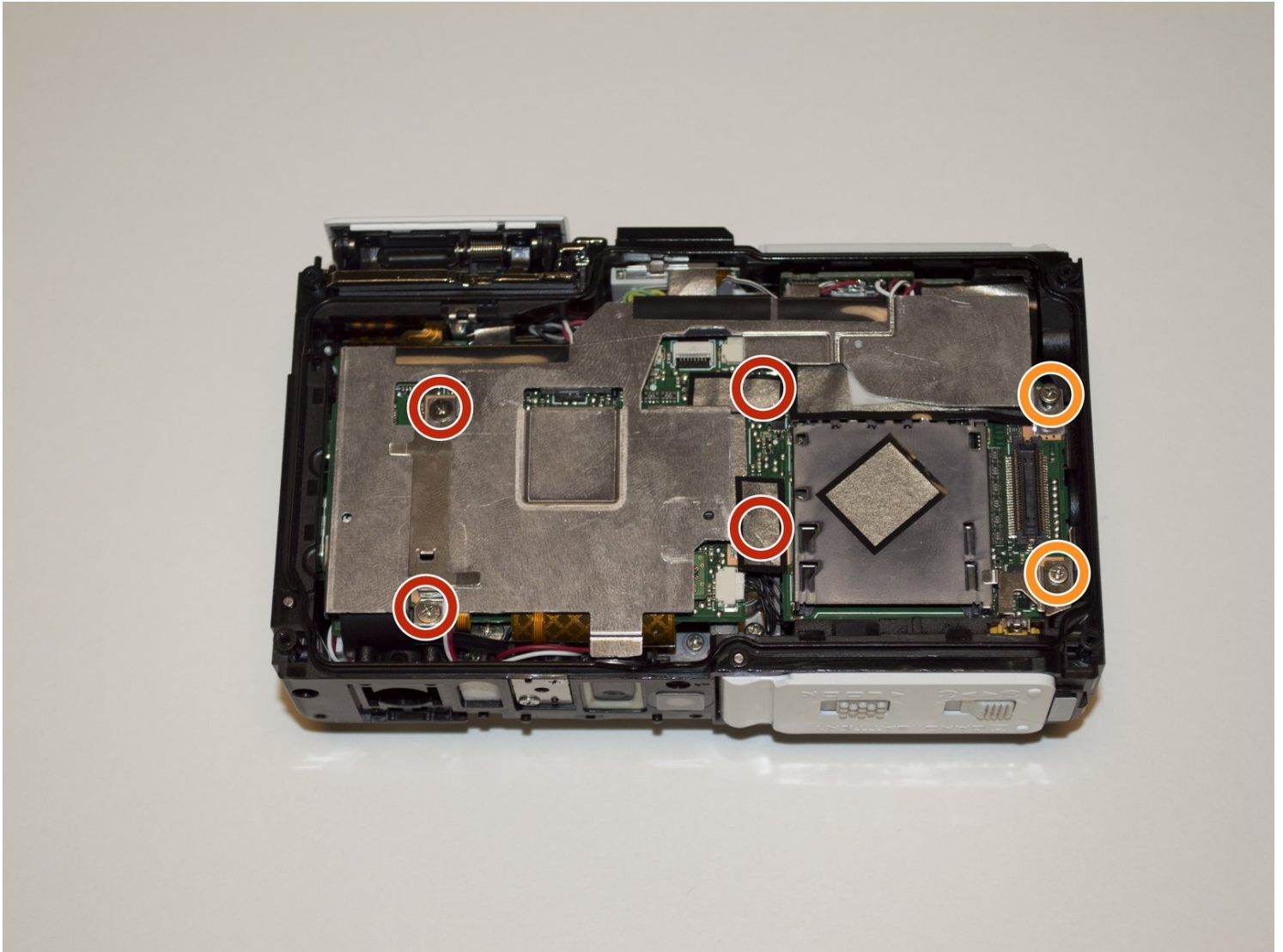# Nikon 1 AW 1 Motherboard Replacement

The motherboard is the brain of any electronic...

Written By: Daniel Heshmaty

INTRODUCTION

The motherboard is the brain of any electronic and as such if it gets broken, it's pivotal to replace it since they are nearly impossible to repair. This guide will show you how to replace your motherboard.
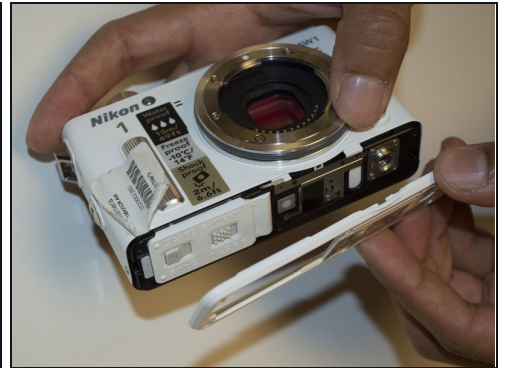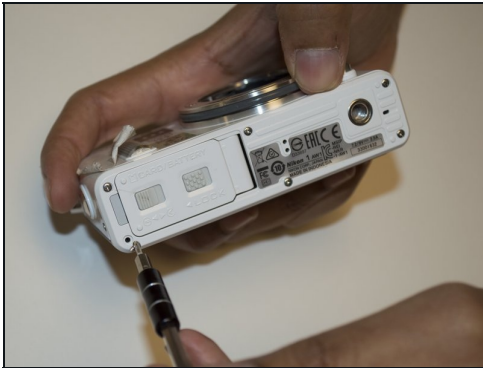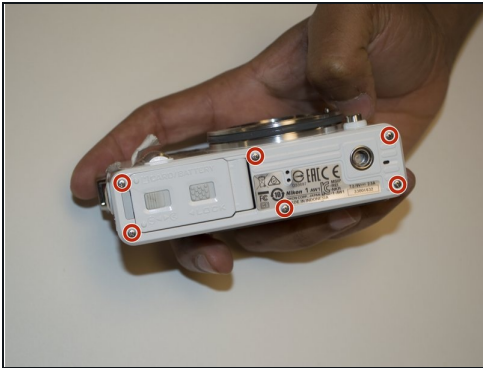
🔧 **TOOLS:**

Phillips #00 Screwdriver (1)
iFixit Opening Tool (1)
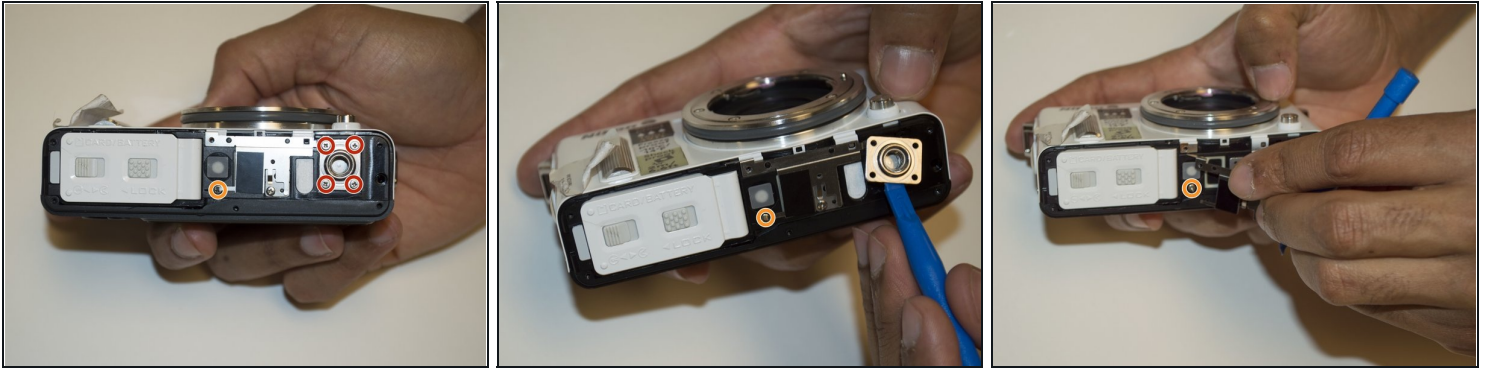Flathead 3/32" or 2.5 mm Screwdriver (1)
Tweezers (1)
T4 Torx Screwdriver (1)
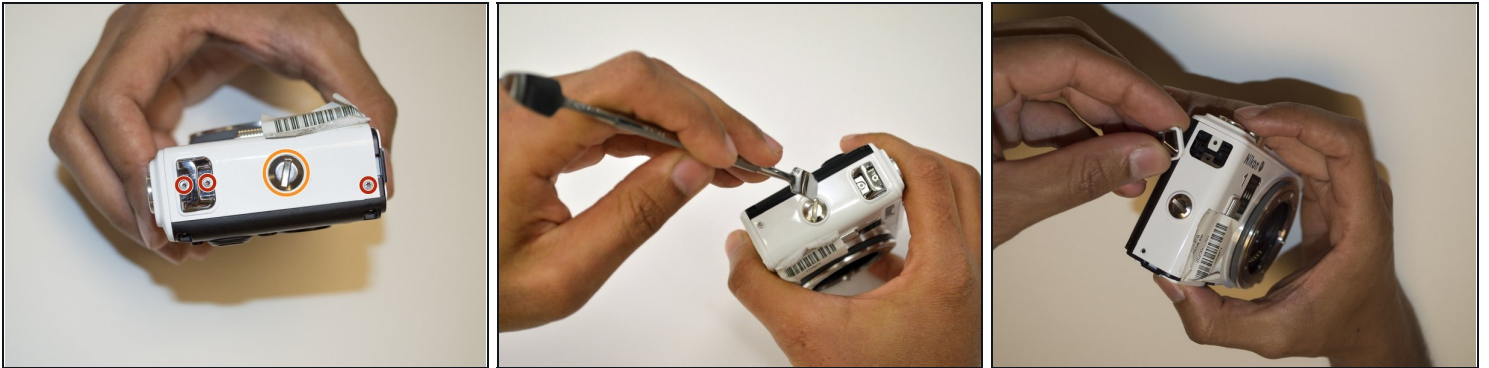
Step 1 — Buttons

- Using the Phillips PH00 screwdriver, remove the six 4.0mm screws marked in red. Then remove the panel cover by lightly pulling it off.
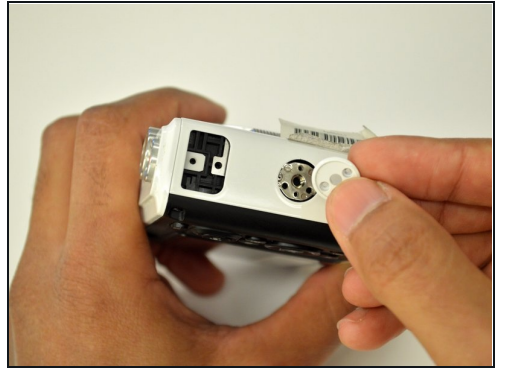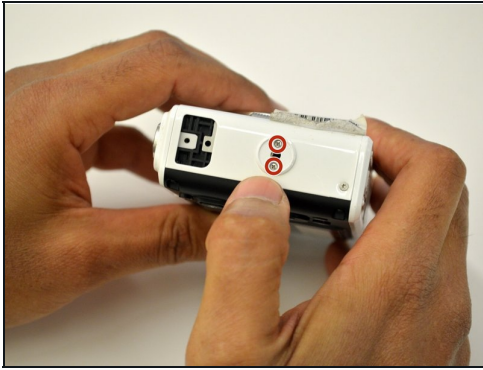
Step 2

- Using the Phillips PH00 screwdriver, remove the four 5.5mm screws in the red circles. Then use a plastic opening tool to pry off the tripod socket.

- Remove the metal plate to have access to the 4.9mm screw under the orange circle, use the Phillips PH00 screwdriver to remove it.
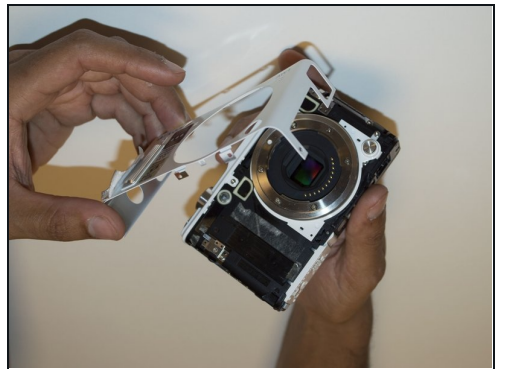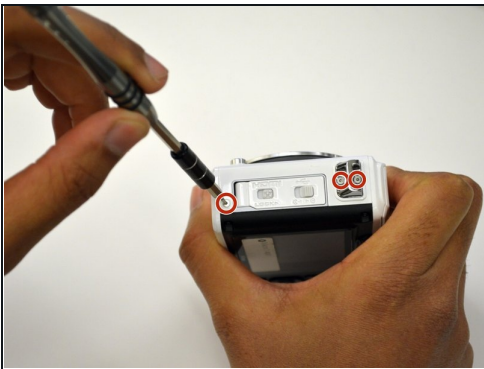
Step 3

- Using a T4 head screwdriver remove the three 5.4mm screws marked with the red circles.

- Use a 1/4" flathead screwdriver or a flat head tool to release the grip attachment screw.
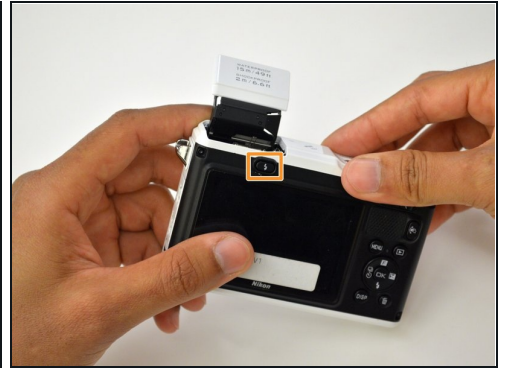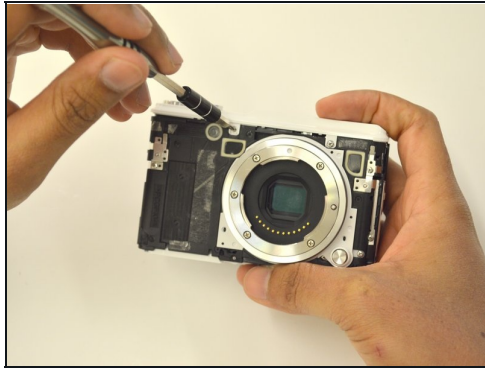
- Remove the camera strap eyelet.

Step 4

- Remove the grip attachment screw.

- Use a Phillips PH00 to remove the two 2.4mm screws on the grip attachment slot, then remove the slot.
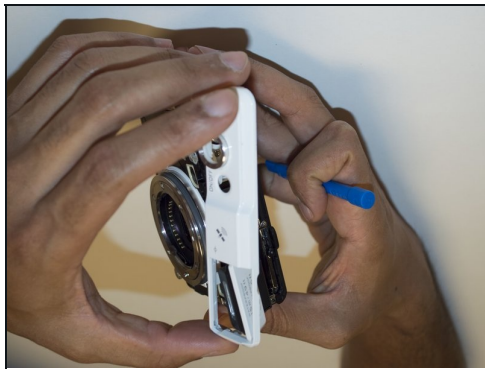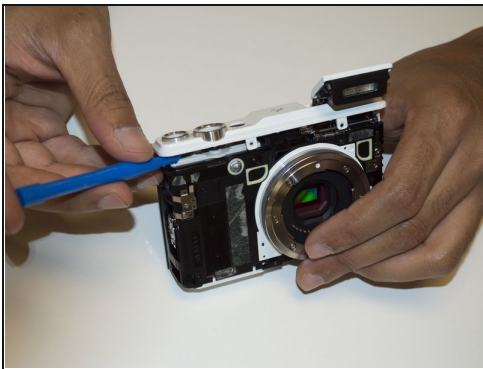
Step 5

- Use a T4 screwdriver to remove the three 5.4mm screw marked with the red circles and the eyelet strap.

- Use a plastic opening tool to lift the front camera cover off.

Step 6

- Use a Phillips PH00 to unscrew the two 3.5mm screws in red.

- Press the flash pop-up button in the orange rectangle to be able to remove top cover of the camera.
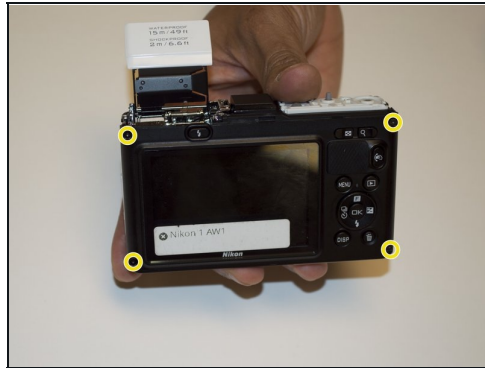
Step 7

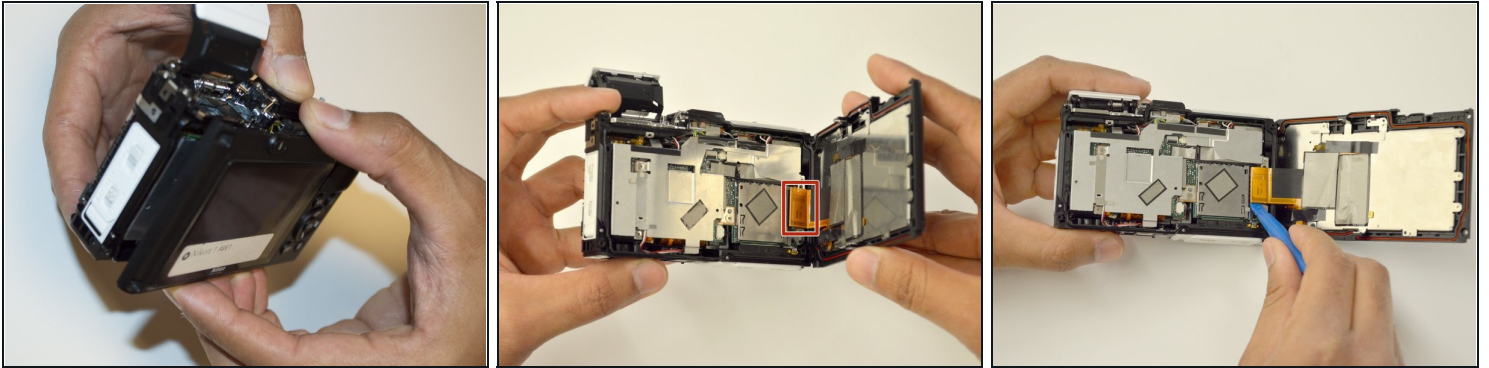- Use a plastic opening tool to lift off the top panel.

Step 8

- If you needed to replace any buttons, you may now do so by pulling them off.

Step 9 — Internal Body Seal

- Use a Phillips PH00 screwdriver to remove the 3.8mm screw in red.

- Use a Phillips PH00 screwdriver to remove the 4.9mm screw in orange.

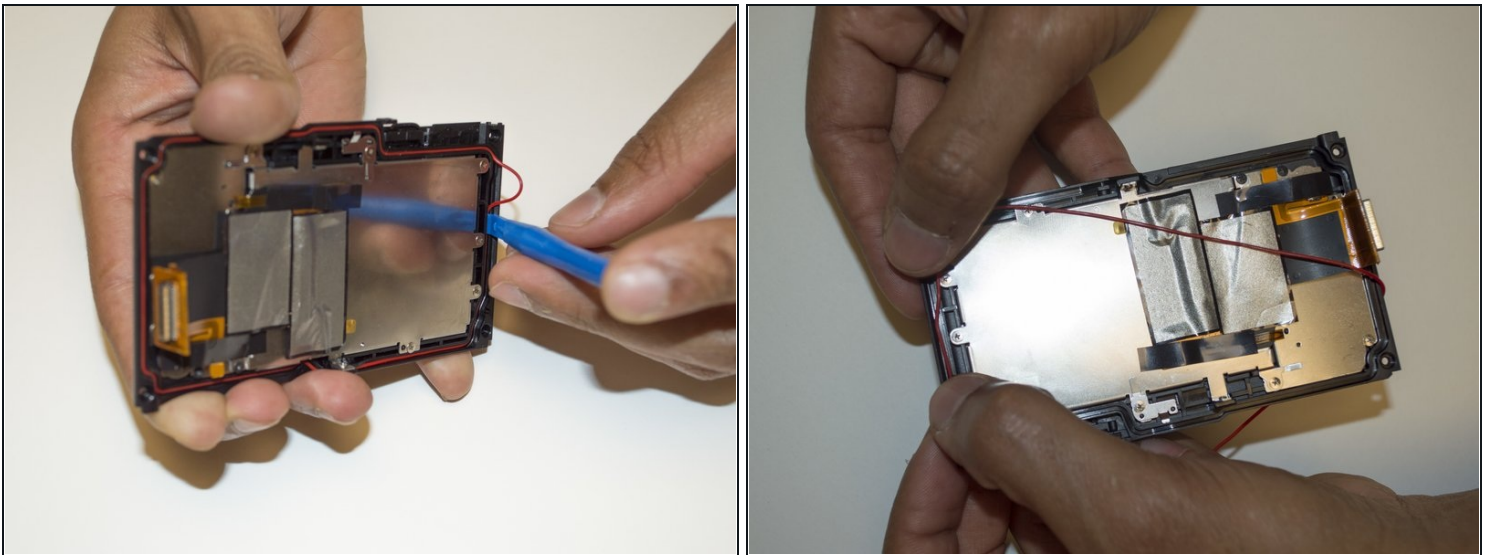- Use a Torx T4 screwdriver to remove the four 5.5mm screws in yellow.

Step 10

⚠ Separate rear panel from the camera main body, starting from the HDMI and USB connector side. Do NOT pull the rear panel completely off of the camera yet.
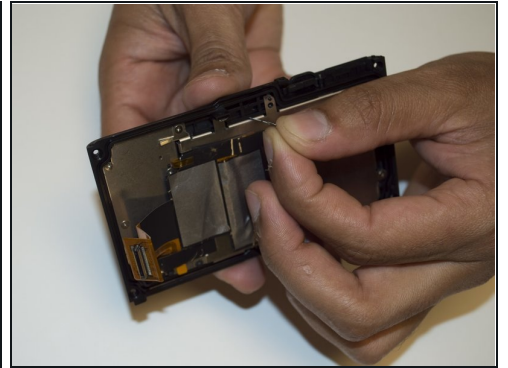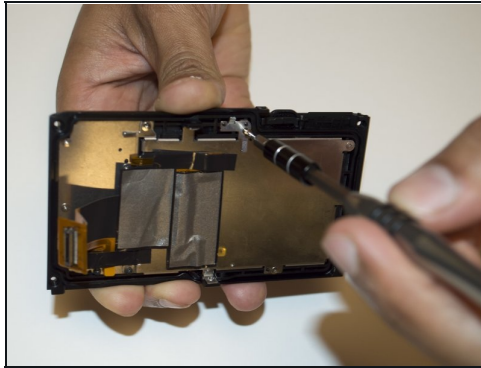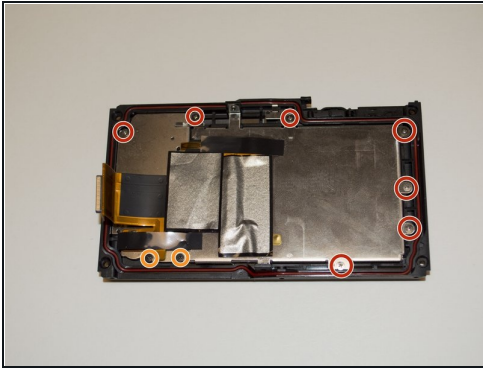
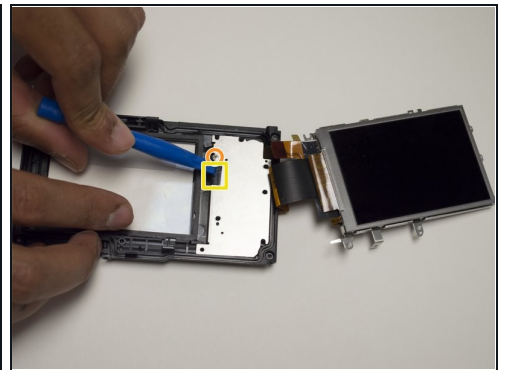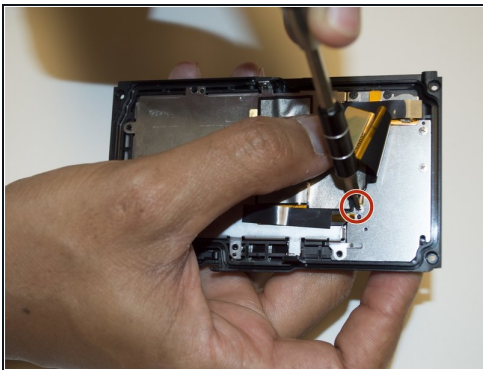- Use a plastic opening tool to pry out the connector marked in red.

Step 11

- Use the plastic opening tool to pull out the old seal from the groove in the rear panel.

- If you needed to replace the seal, you may now do so.
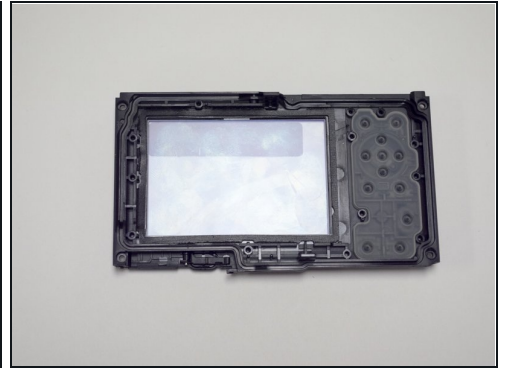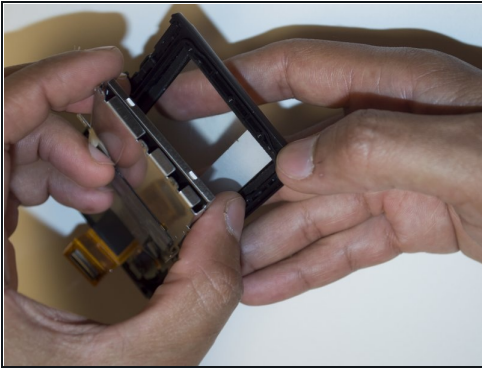
Step 12 — Rear Panel

- Use a Phillips PH00 screwdriver to remove the seven 3.1mm screws marked in red.

- Use a Phillips PH00 screwdriver to remove the two 3.6mm screws marked in orange.
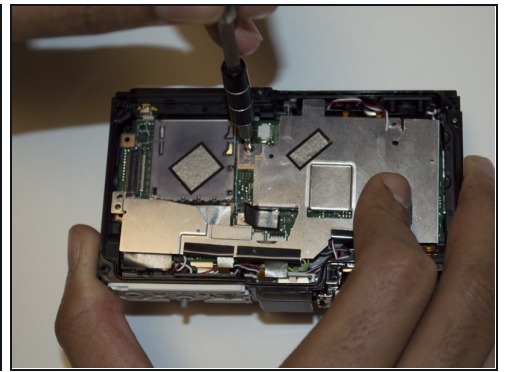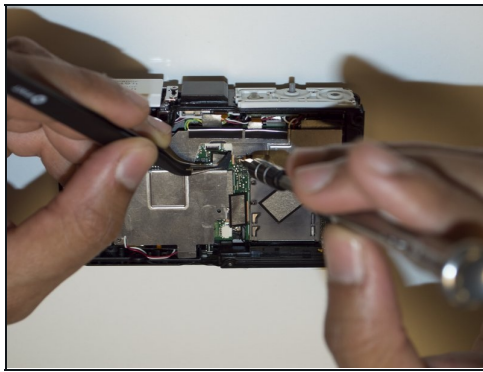
- Lift off the small plate as shown.

Step 13

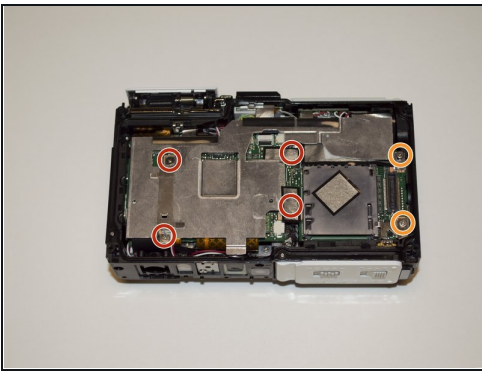- Lift the rainbow cable to have access to the 3.1mm screw beneath it and unscrew it with a Phillips PH00 screwdriver.

⚠ Turn aside the LCD screen but do not completely remove it yet.

- You will need to lift the sticky patch inside the the yellow rectangle, to access the 3.1mm screw marked in orange, remove it with Phillips PH00 screwdriver, then you will be able to separate the LCD screen from the rear panel.
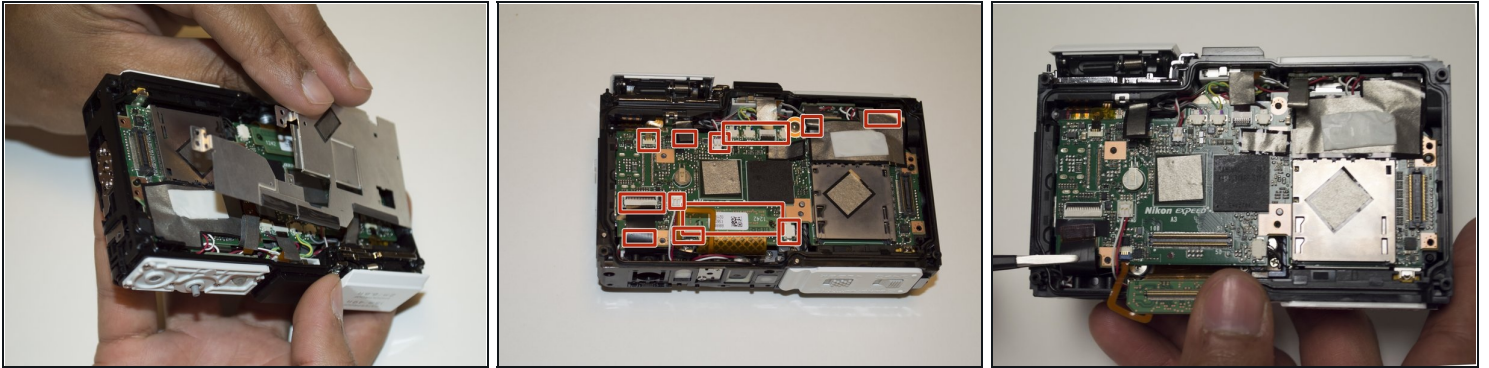
Step 14

- Remove the back panel apart from LCD screen.

Step 15 — Motherboard

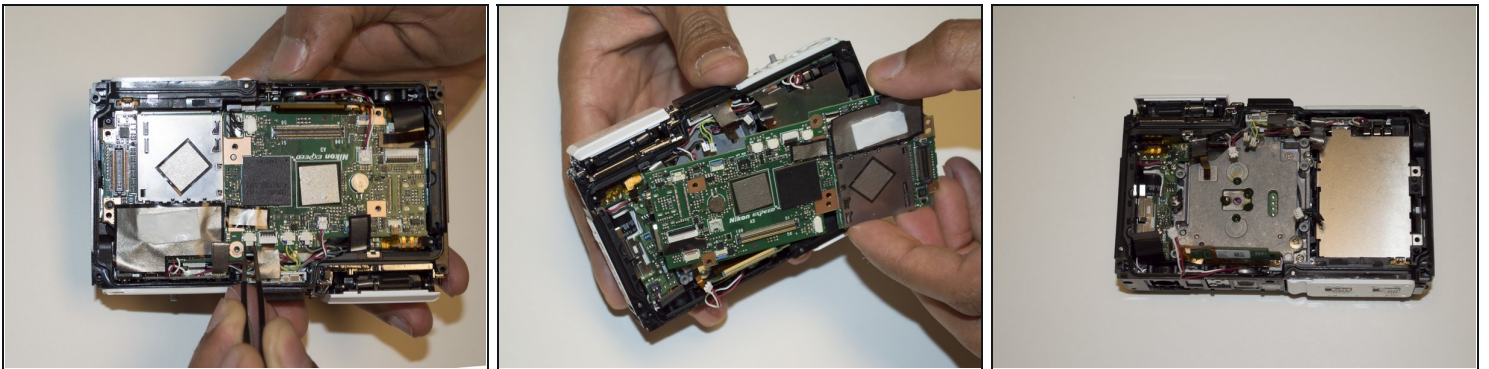

- Use a Phillips PH00 screwdriver to remove the four 4.4mm screws marked in red.

ⓘ You will need to lift the sticky patch to have access to the screws under it.

- Use a Phillips PH00 screwdriver to remove the two 6.3mm screws marked in orange.

Step 16

- Pull off the metal cover to gain access to the motherboard.

- Remove the connectors first using precision [tweezers](#). In total you will remove fifteen connectors wires.

- ⓘ Some connectors are under the sticky patch, be sure you remove all of them.

- Use a Phillips PH00 screwdriver to remove the 4.3mm screw holding the motherboard to the main camera body.

Step 17

- Carefully remove the motherboard from the main camera body and replace it for a new one.

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