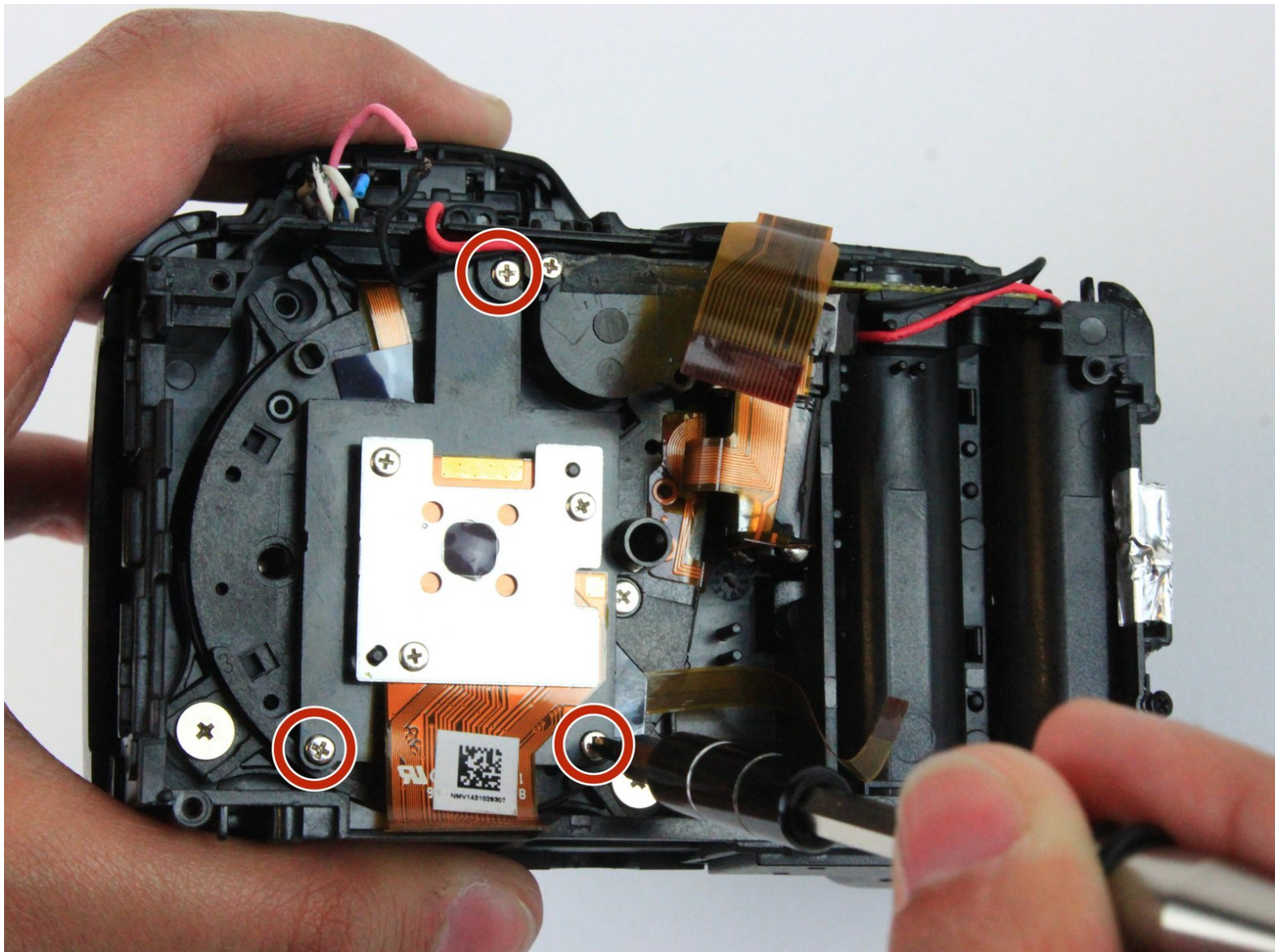




Nikon Coolpix L330 Image Sensor Replacement

The guide will replace the image sensor on a Nikon Coolpix L330.

Written By: Rajeev



INTRODUCTION

The guide will assist in opening the camera, desoldering motherboard connections and replacing the image sensor.

TOOLS:

- [Metal Spudger](#) (1)
 - [Phillips #000 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Screwdriver](#) (1)
-

Step 1 — Back Housing



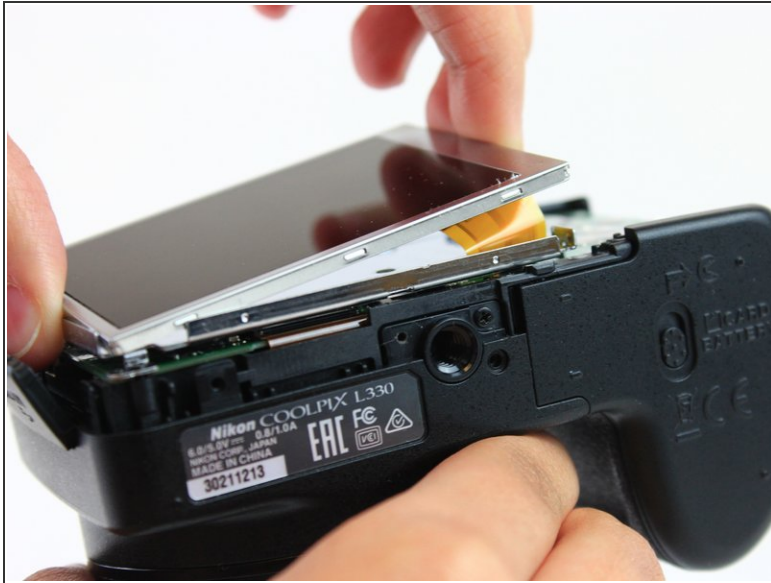
- There are six screws attaching the back housing to the camera. Remove the screws from the body with a PH000 screw head.
 - Two 1.5x2.5mm screws on the right side.
 - Two 1.5x2.5mm screws on the underside.
 - Two 1.5x2.5mm screw on the left side.

Step 2




- After removing the screws, use a metal spudger or plastic opening tool to push the back cover out.
- ⚠ The metal spudger can damage the plastic housing, so use caution when applying any pressure to it. Use a plastic opening tool to reduce the risk of damage to the housing.
- Remove the back housing of the camera by lifting it directly up.
- ⓘ The back cover may be slightly tight, therefore more force may be needed to lift it up.

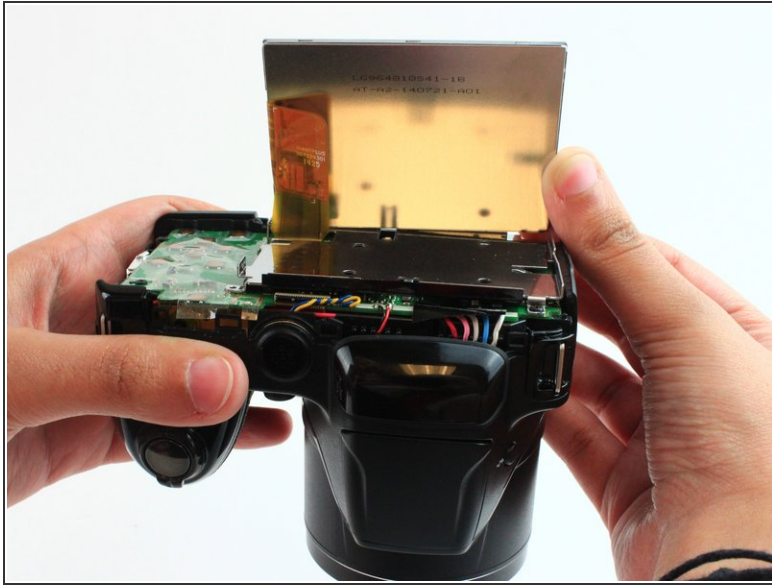
Step 3 — LCD Screen



- Insert the tips of your fingers into the space between the screen and back-plate.
- Gently lift the screen up and out of the frame.

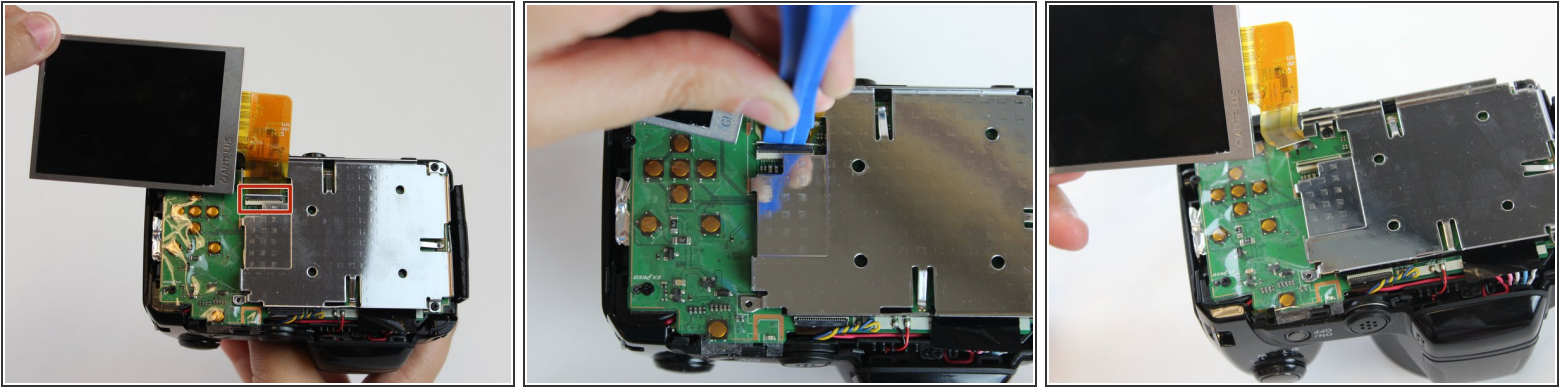
 The screen is still held by a flexible display cable, therefore only lift the screen 0.5" out of the back-plate.

Step 4



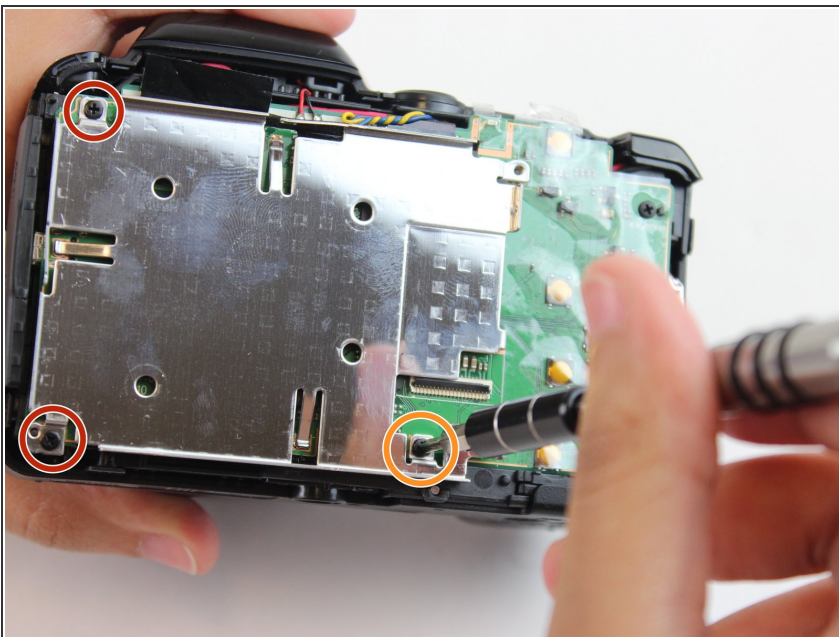
- Tilt the screen so that the display cable forms a hinge with the backplate.
- Rotate the display 180 degrees so that it faces you.

Step 5



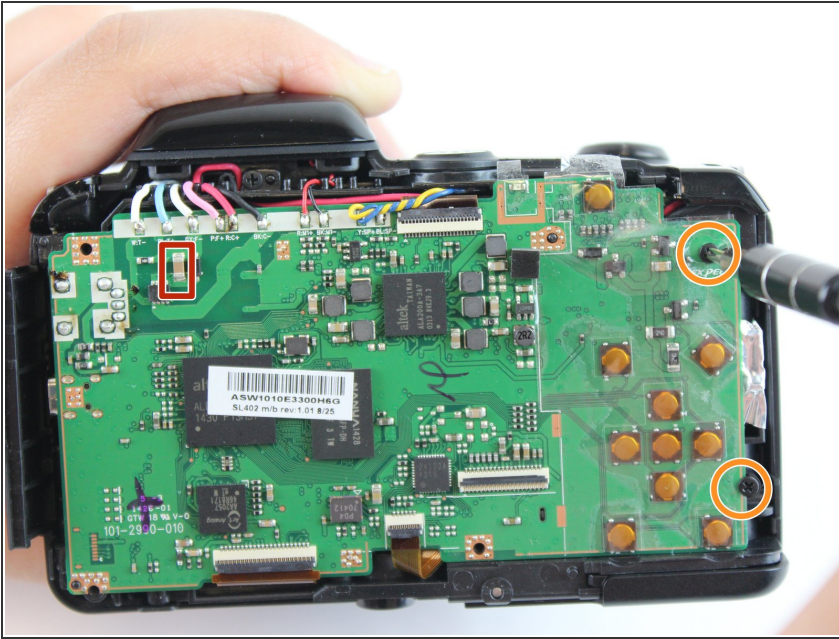
- ⓘ The display cable has a ZIF (zero insertion force) connector on the end. This has a tab that has to be pushed out before the cable can be safely removed.
- Using a plastic opening tool or fingernail, pop up the black clip holding the display cable. This will release the cable.
- Slide the display cable out of the connector.
- ⚠ The display cable can be damaged due to excessive bending, therefore avoid putting unnecessary strain on it.

Step 6 — Motherboard



- Remove the screws from the silver back-plate with a PH000 screw head.
- Two 1.5x2.5mm screws on the left side.
- One 1.5x2.5mm screw on the right side.

Step 7



⚠ The marked red box contains a highly charged capacitor. Check the charge using a voltmeter and discharge it first before continuing. [Discharge capacitor guide](#).

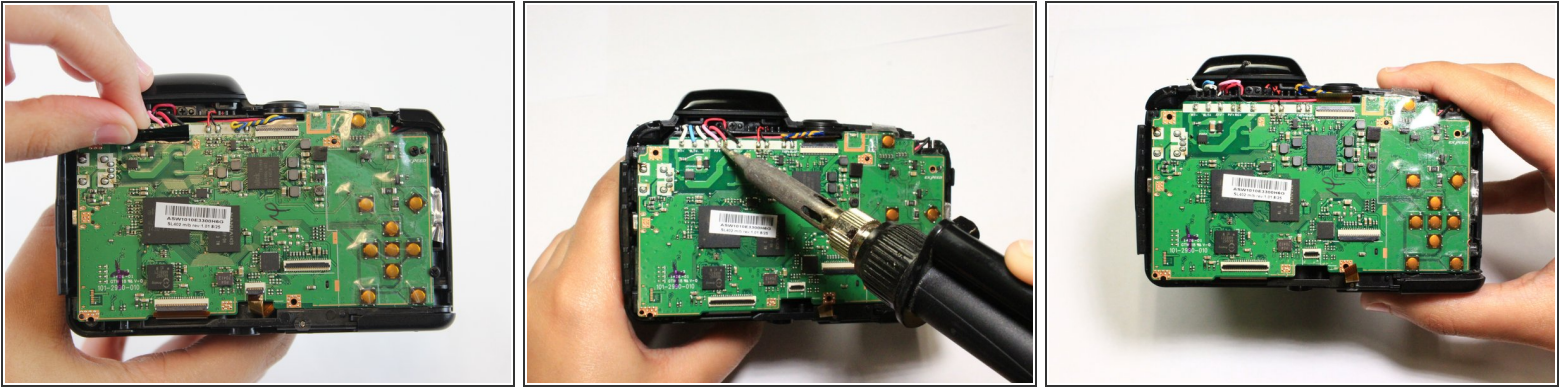
- Remove the screws holding the motherboard with a PH000 screw head.
- Two 1.5x2.5mm screws on the right side.

Step 8



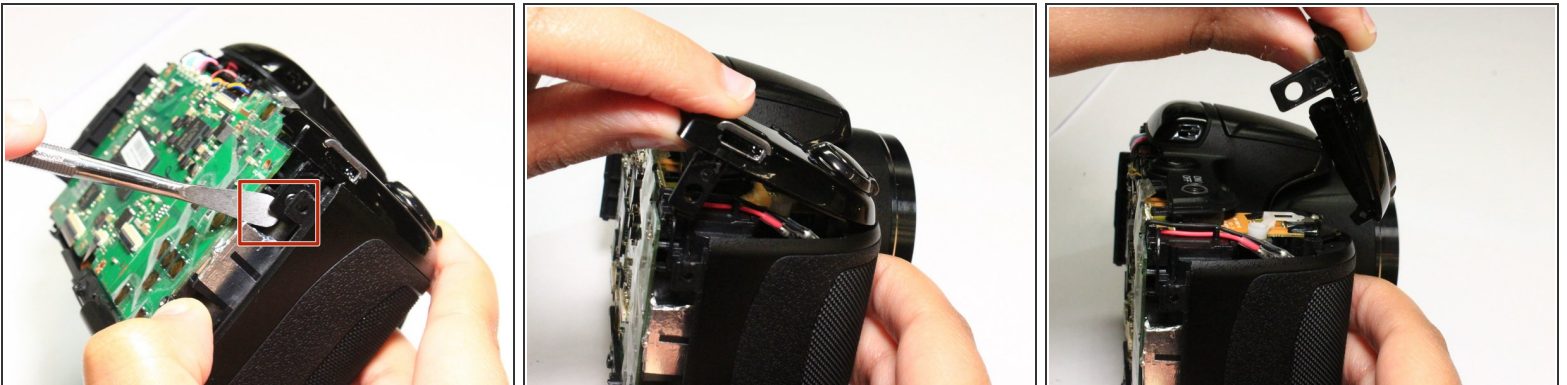
- Using a plastic opening tool or fingernail, pop up the black clips holding the ribbon cables. This will release the cables.
- Slide the ribbon cables out of the connectors.

Step 9



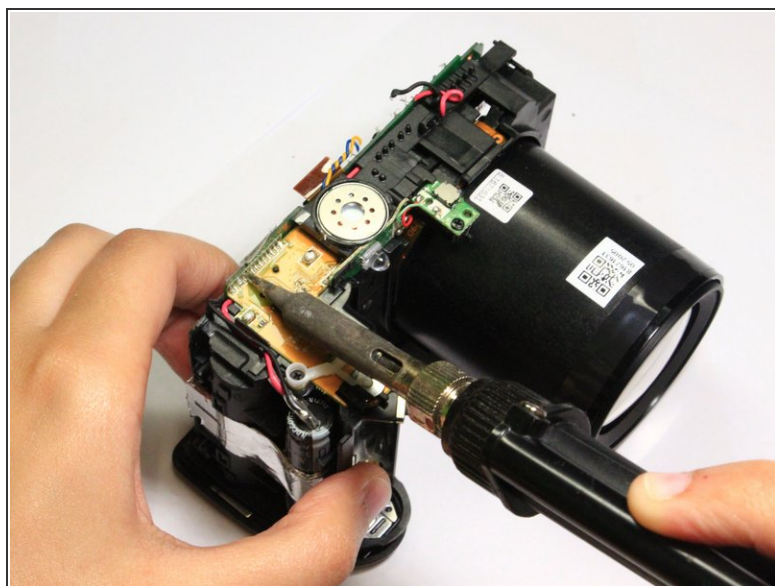
- Remove the black sticker covering the electrical connections.
- Desolder the eight wires from the motherboard.

Step 10



- Insert a plastic opening tool into the marked position. Push the tool towards the right to release the clip.
- Using a thumb and forefinger, push the plastic cover up until it is at a 45 degree angle.
- Pull the cover back and up to release it.

Step 11



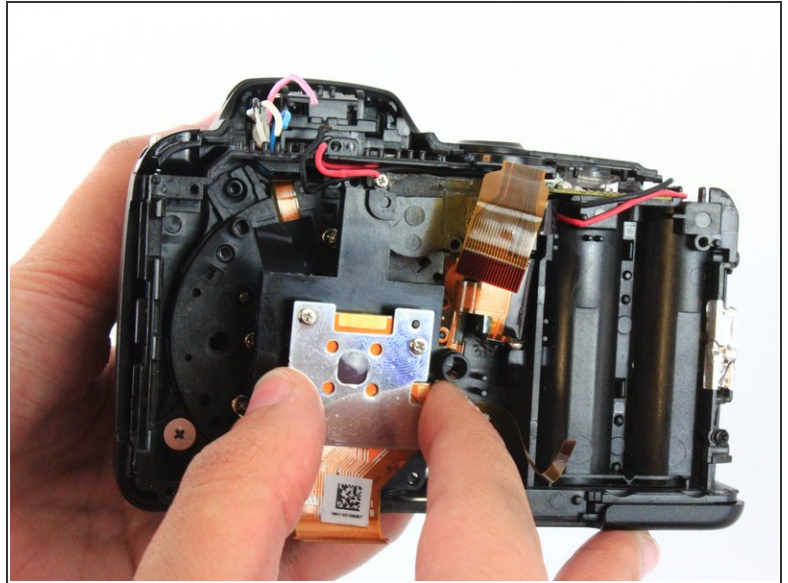
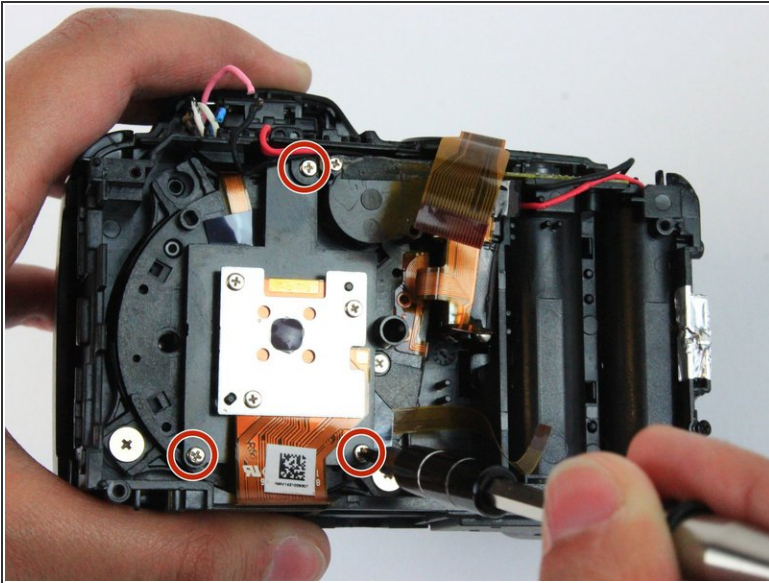
- The motherboard is still held in place by soldered connections.
- Carefully desolder the connections .
- ⓘ The front cover has been removed in this picture, however the procedure is still the same.

Step 12



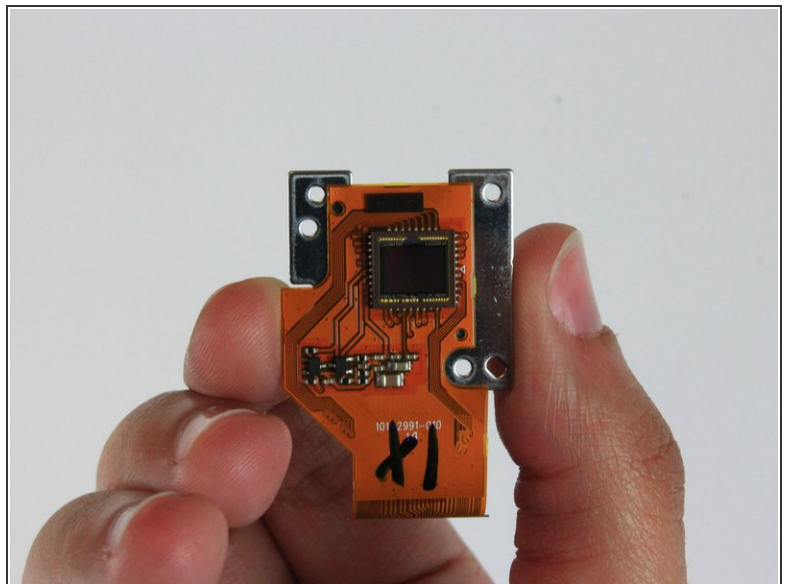
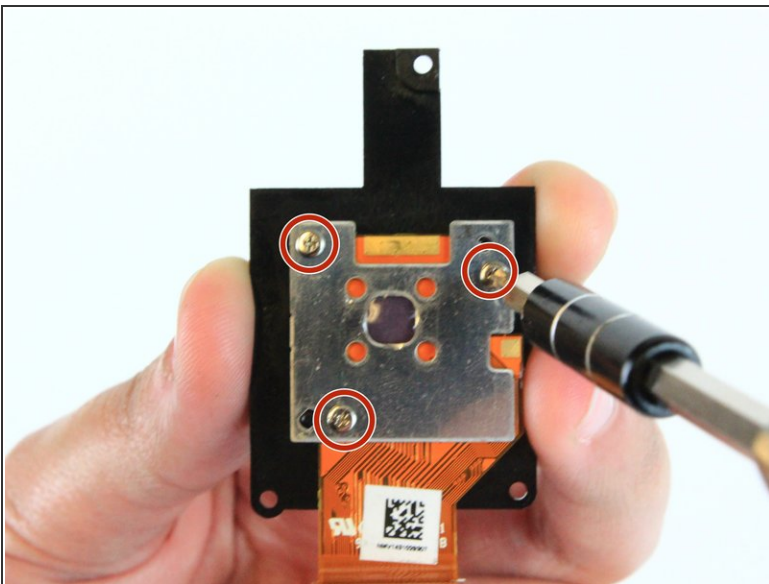
- Remove the motherboard by lifting it directly up.

Step 13 — Image Sensor



- Remove the three 1.5x2.5mm screws using a PH000 screw head.

Step 14



- Remove the three 1.5x1.75mm screws holding the lens in place using a PH000 screw head.
- Lift the image sensor up and out of the bracket.

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