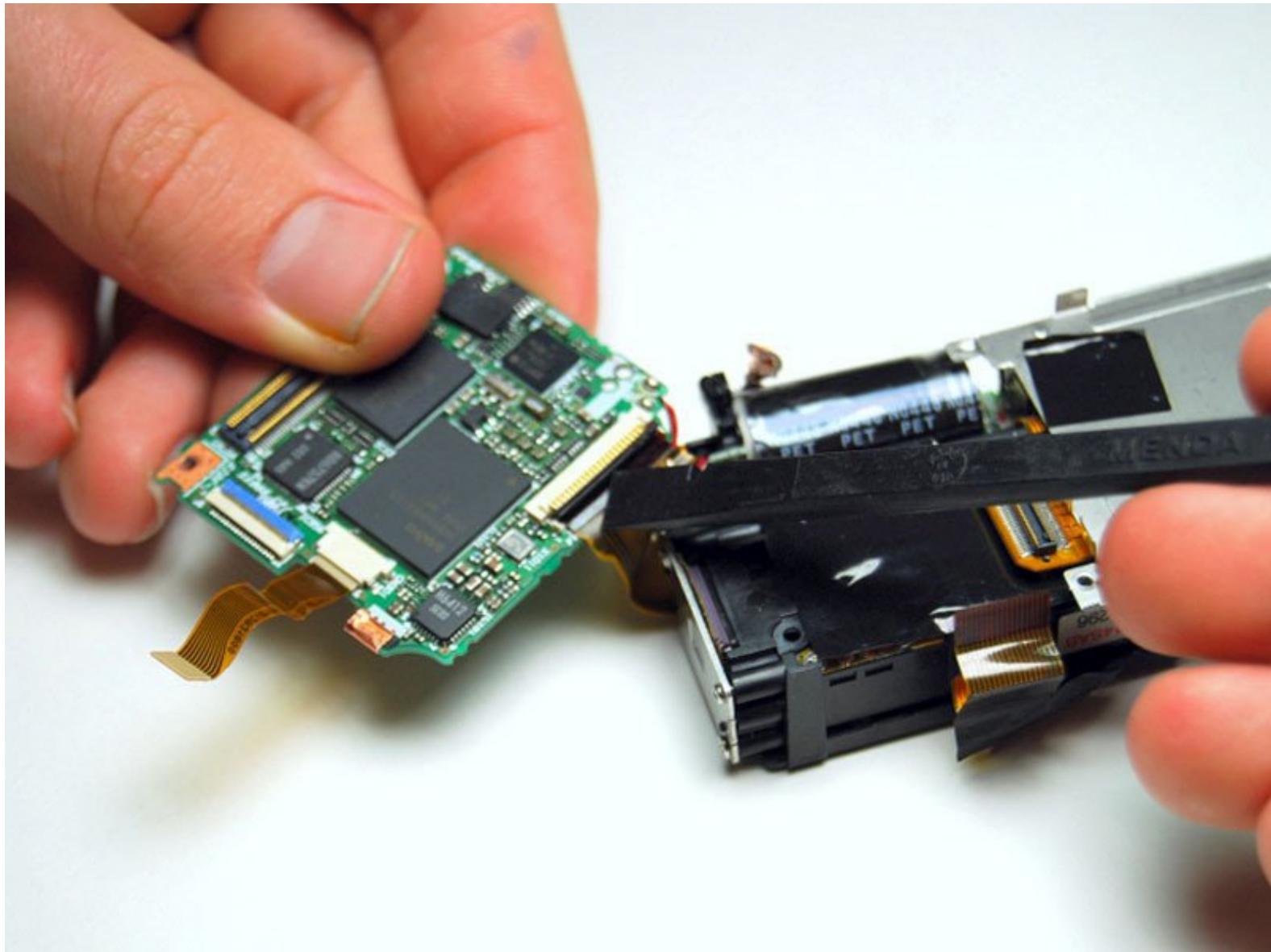




Pentax Optio WP Motherboard Replacement

The guide will aid in the removal of the motherboard

Written By: Olivia Nixon



INTRODUCTION

Use this guide to receive step-by-step help with removing and replacing the motherboard

TOOLS:

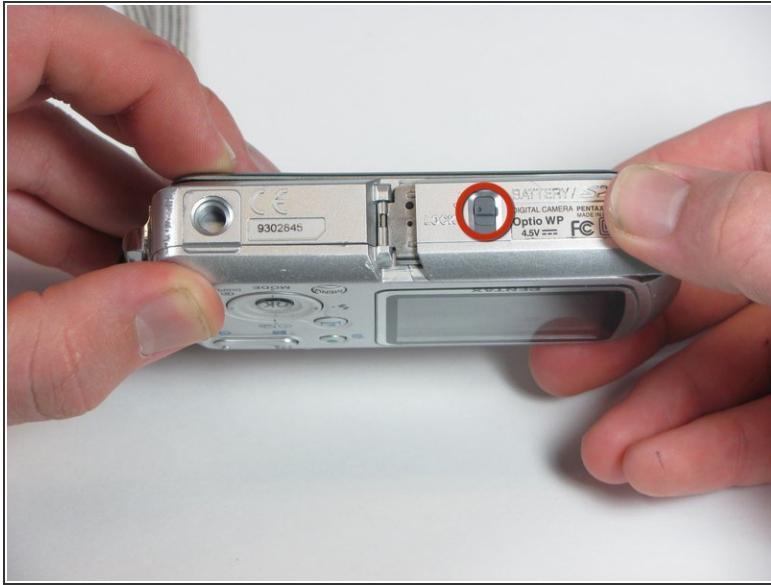
- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)

Step 1 — Battery and SD Card



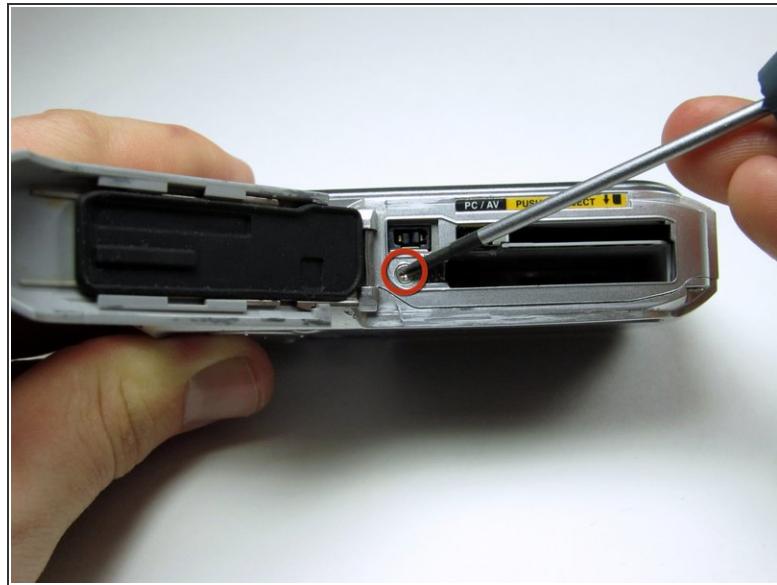
- ⓘ The camera used to make this manual does not contain a battery or SD card
- Orient the camera so you are looking at the bottom and the battery compartment is on the right hand side.

Step 2



- Unlock the battery compartment by sliding the lock switch to the unlock position (away from the arrow).
- Firmly push the battery cover to the right and swing open.
- The battery will be located in the larger bottom slot. Slide the plastic orange tab to remove the battery.
- The SD card will be located in the smaller, top slot. Push the SD card directly in to hear a small clicking sound. Then pull out the SD card.

Step 3 — Back Casing



- With the battery cover swung open, use the spudger to remove the **DC IN** sticker.
- Remove the 4.3 mm silver screw revealed.

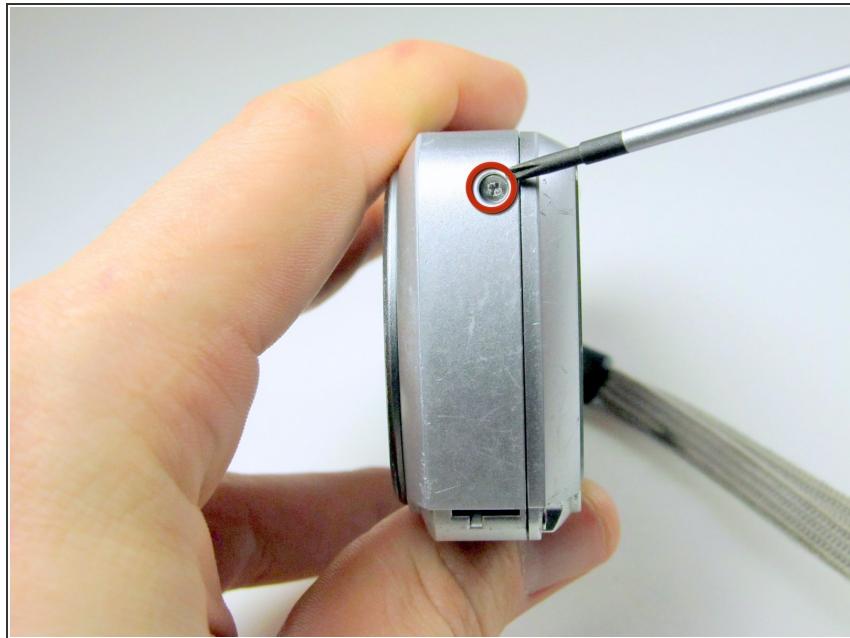
Step 4



- Reorient the camera so it is upright and you are looking at the back screen.
- Remove the rubber covers in the upper and lower right side corners. Insert spudger in between the camera case and the rubber cover and push them out of their sockets. Grab the rubbers with the tweezers and set them aside. Remove both of the 4.3 mm silver screws revealed.
- Remove the 4.3 mm silver screw in the lower left corner which resides under the sliding battery cover.

(i) When removing the screw in the lower left corner, you may need to gently pry open the casing to dislodge the screw.

Step 5



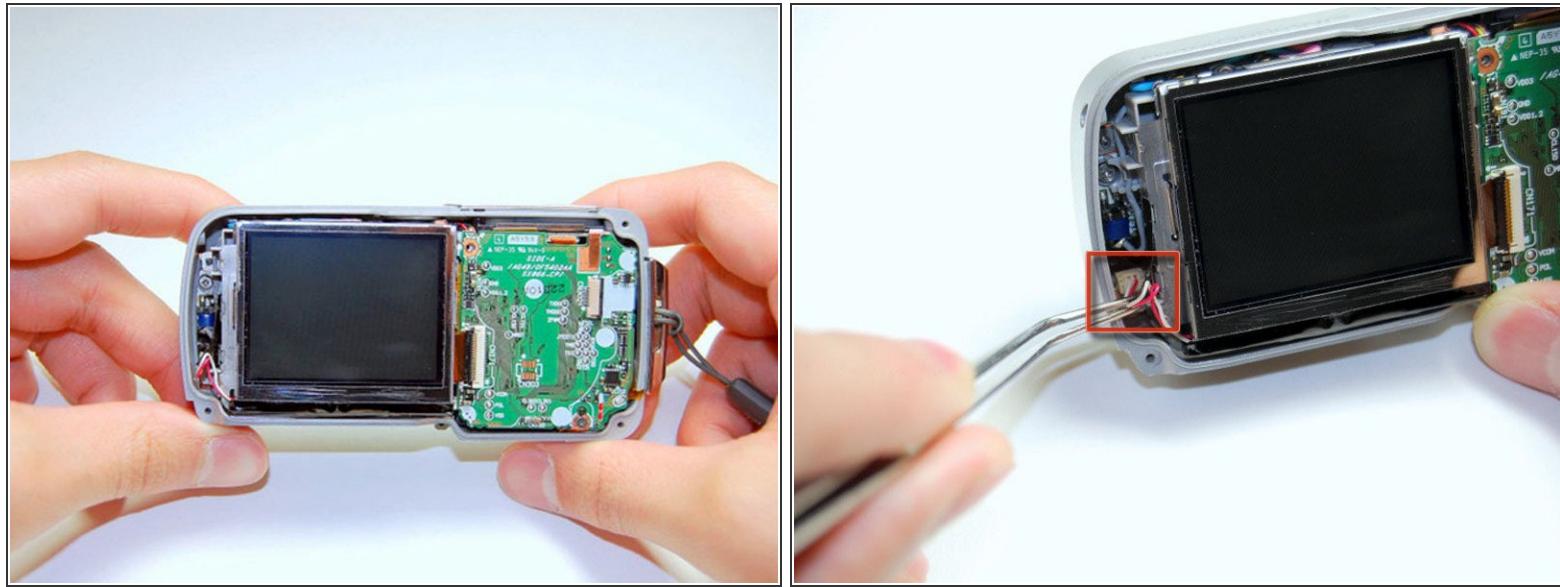
- Locate the 5.3mm silver screw on the edge closest to the upper left corner of the LCD screen and remove it.

Step 6



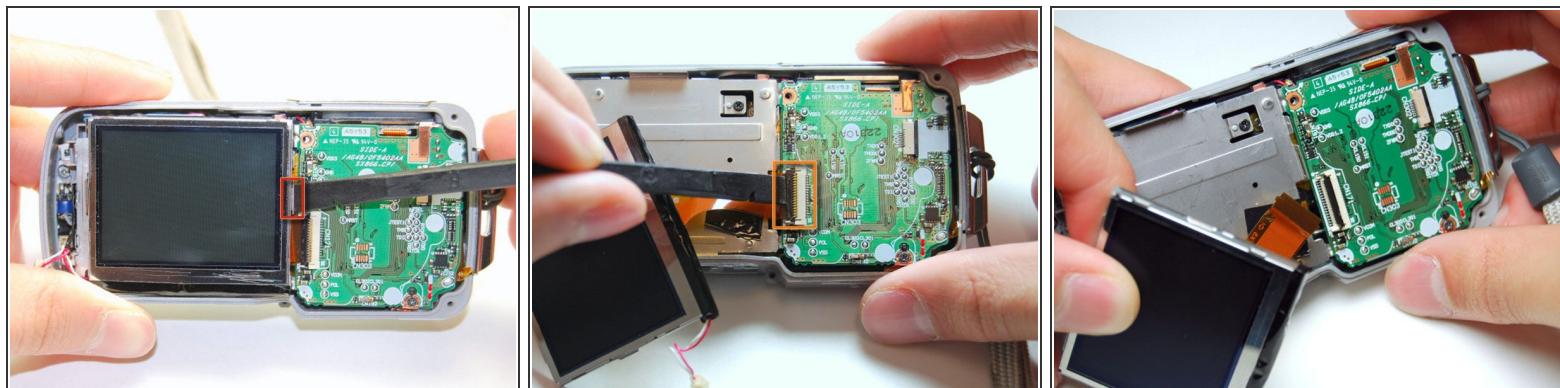
- With the spudger, pry back the cover starting with the outer edge to release.
- ⚠** Lift the back cover off gently from left to right. Be cautious of the copper ribbon attached to the back buttons.
- Detach the copper ribbon from the internals of the camera by placing a finger on top of the terminal and gently pulling on the back casing.

Step 7 — LCD Screen



- Orient the camera so you are looking at the LCD screen.
- Using the forceps, remove the red and white wires out of the terminal in the bottom left corner.

Step 8



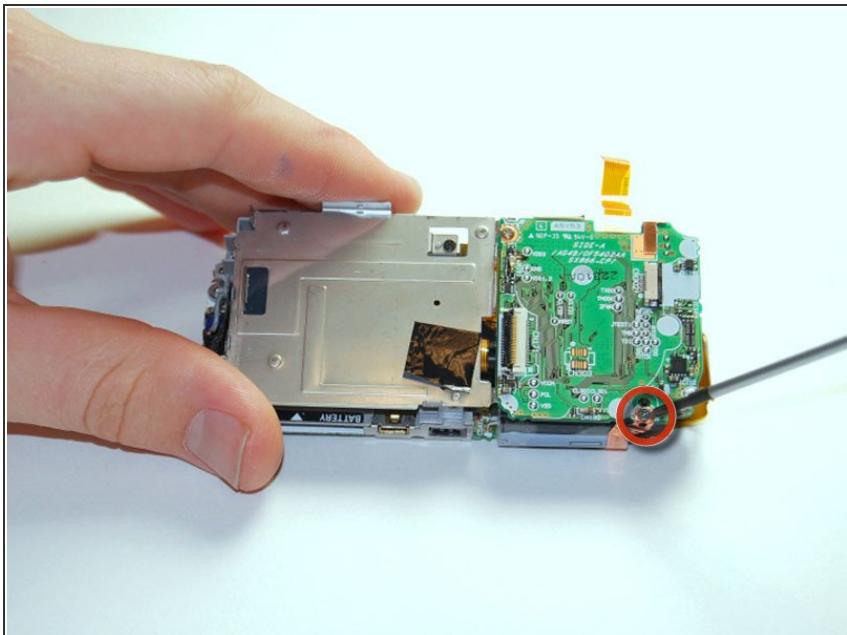
- Remove the LCD screen from the camera by inserting the spudger between the screen and the metal hook on the right side of the screen and prying up gently.
- Flip open the black gate holding the copper ribbon from the LCD screen.

Step 9 — Front Casing



- Carefully pry the electronic internals out of the front casing with the spudger.
- With tweezers, carefully detach the ribbon on the upper right corner of the internals that is connected to the shutter release/power button.

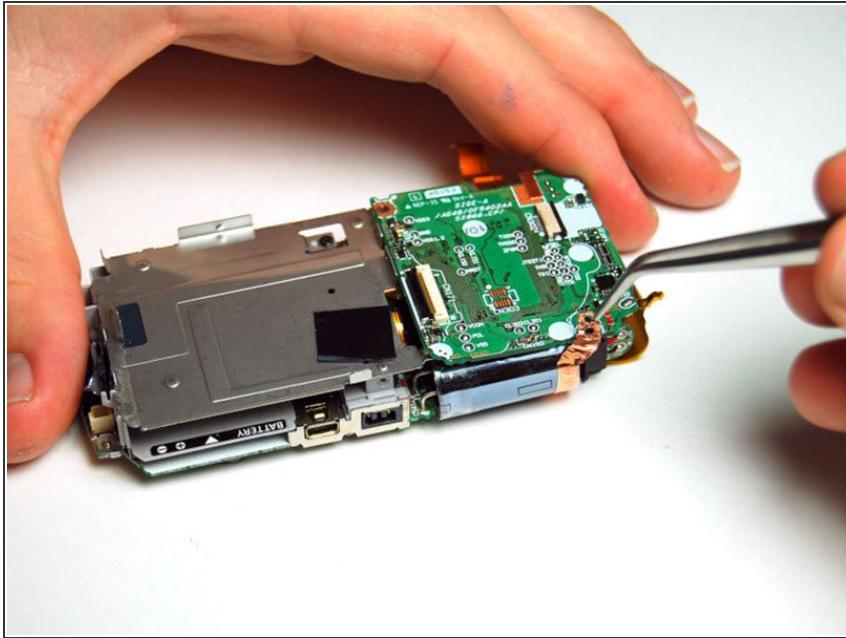
Step 10 — Motherboard and Flash Unit



- Remove the 4 mm black screw on the bottom right corner of the mother board.

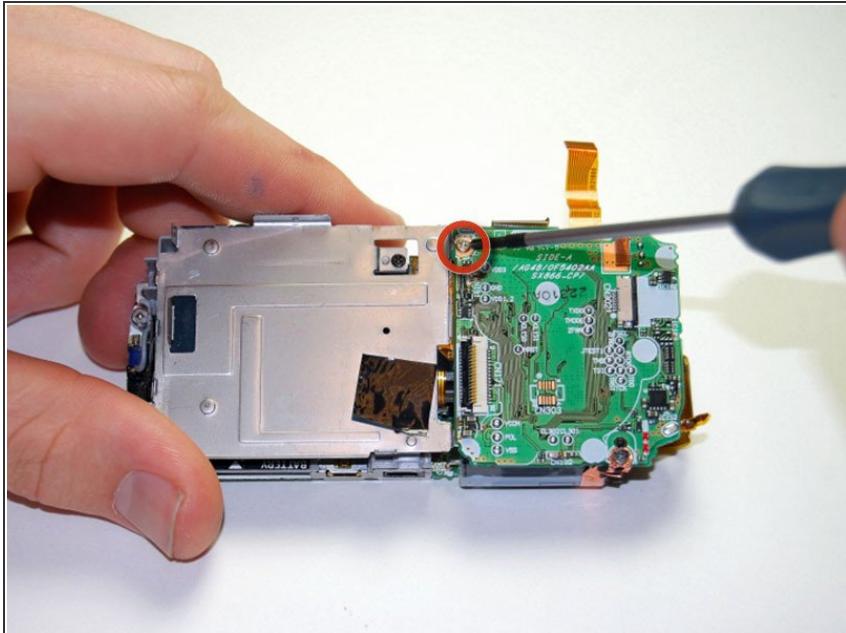
i The black screw may be hard to remove. Use the tweezers if necessary.

Step 11



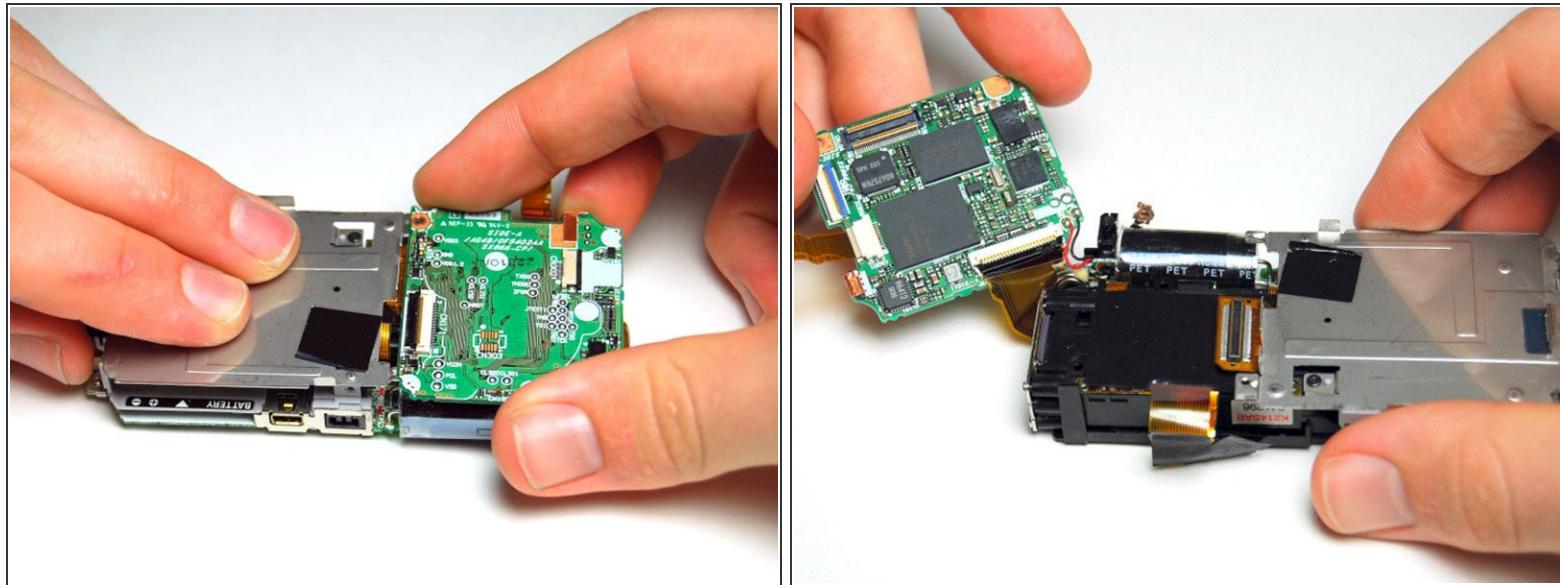
- With the tweezers, carefully peel back the copper ribbon that was underneath the black screw.

Step 12



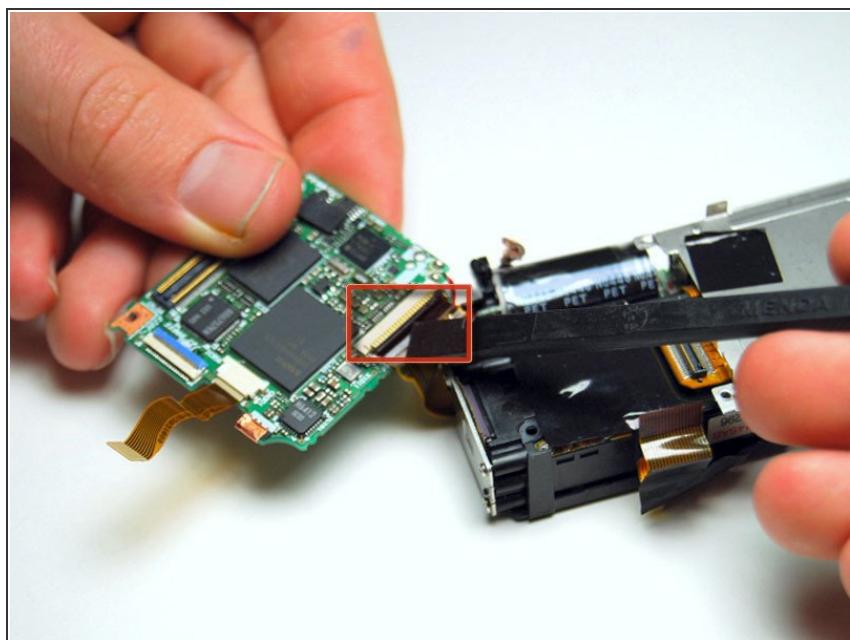
- Remove the 2.5 mm silver screw from the upper left corner of the motherboard.

Step 13



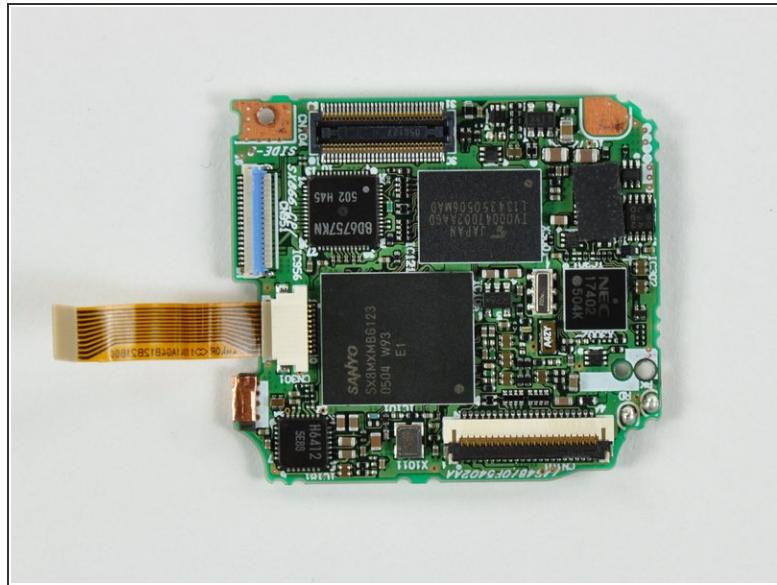
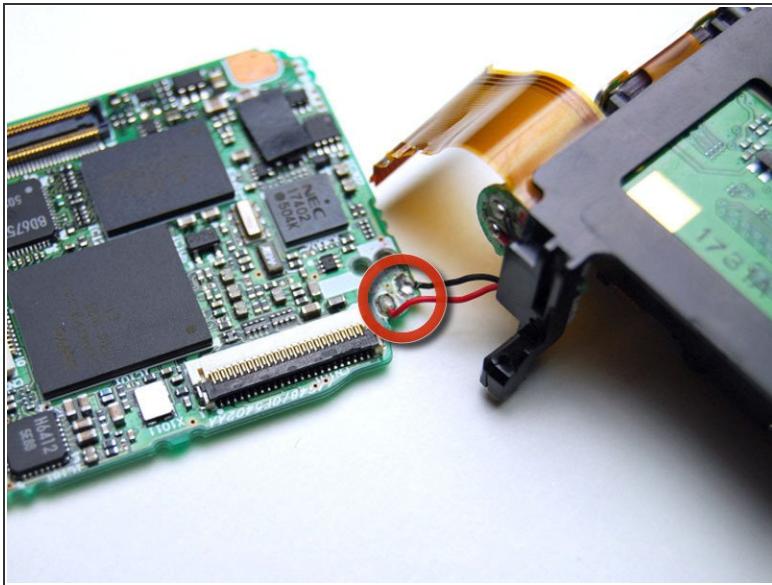
- Press down on the metal plate and gently lift the motherboard up from left to right.
- ⚠ Be cautious when lifting the motherboard since there is a copper ribbon and two wires attaching the motherboard to the flash unit.
- Reorient the camera so you are looking at the top edge with the metal plate on the right.

Step 14 — Motherboard



- Use the spudger to open the black flip gate revealed under the motherboard. This gate attaches the copper ribbon to the motherboard.

Step 15



- The motherboard is still attached to the rest of the camera by 2 wires in the bottom right corner. Desolder the black and red wires where they meet the motherboard.
- For tips on desoldering refer to steps 7-10 on this [guide](#).

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