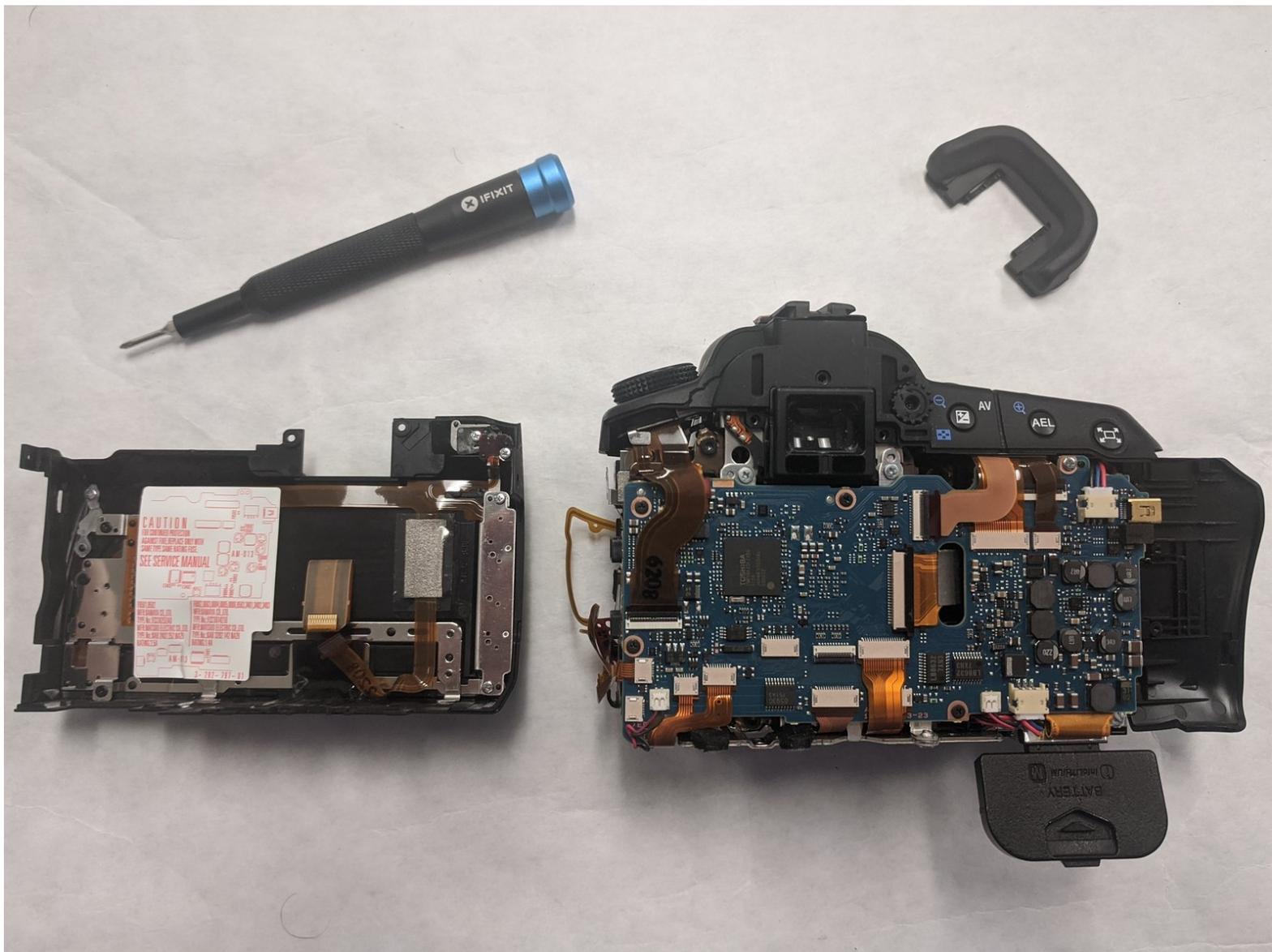




# Sony Alpha A350 Motherboard Replacement

Follow this guide to replace the motherboard of your Sony Alpha A350.

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## INTRODUCTION

This guide will go through step by step on the replacement of the motherboard on a Sony Alpha A350. These steps will include removal of all screws, wires, ribbon strips, eye cup, front case, and rear case of the camera in order to safely pull the motherboard out of the main device. The motherboard plays an important role in image processing and it has a major influence on the quality of the eventual image that is produced. The motherboard will need replaced if the camera is not powering or turning on. (Especially if the camera has been subjected to outside trauma such as a drop or water damage.) Replacing the motherboard will help in fixing the camera to work again.

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### TOOLS:

- [Phillips #00 Screwdriver](#) (1)
  - [Heavy-Duty Spudger](#) (1)
  - [Phillips #000 Screwdriver](#) (1)
  - [Tweezers](#) (1)
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## Step 1 — Front Case



- Using a Phillips #00 Remove five screws from the bottom of the camera.
- Four 4.3mm screw.
- One 5.5mm screw.

## Step 2



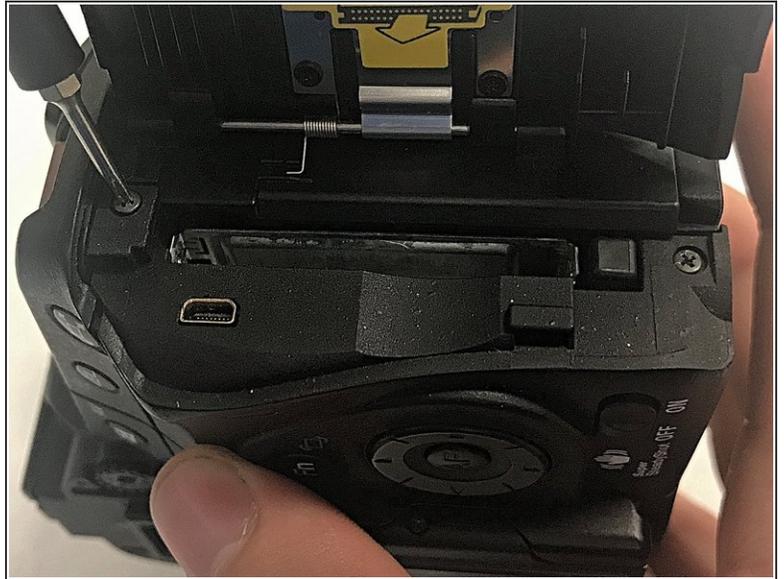
- Using a Phillips #00, remove the single 3.6mm Phillips screw on the left side of the camera.
- Open the remote / DC under the rubber flap to reveal one screw.
- Using the Phillips #00 remove the single 4.3mm screw.

### Step 3



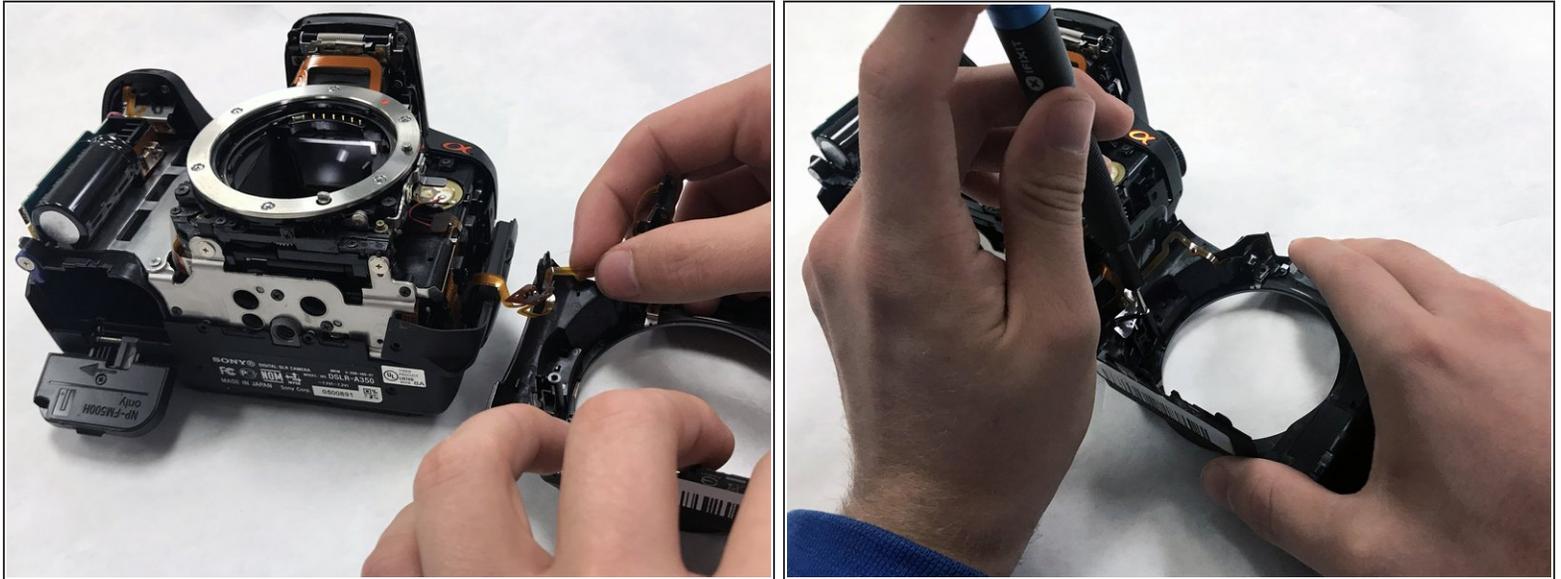
- Open the flash on the top of the camera and remove two 4.3mm screws with a Phillips #00 screwdriver.
- ☞ If the spring guard falls out during deconstruction, gently place the guard over the spring during construction.
- ⚠ To open the flash, simply press the button on the left side.

## Step 4



- Open the plastic SD card door.
- Using Phillips #00 screwdriver, remove two 4.4 mm screws outside and two 4.4mm screws inside the door.

## Step 5



- Gently pull the outer front case from the camera.
- ❗ It should fall apart easily if all screws are removed.

## Step 6 — Eye Cup



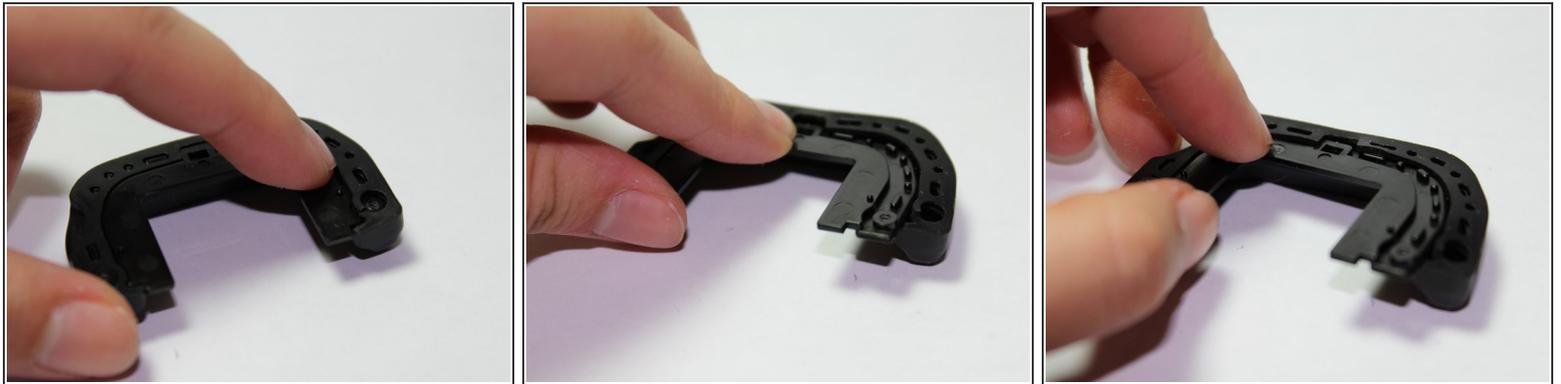
- Identify the bottom of the eye cup
- Using the heavy duty spudger, push the eye cup upward to remove it from the camera body.

## Step 7



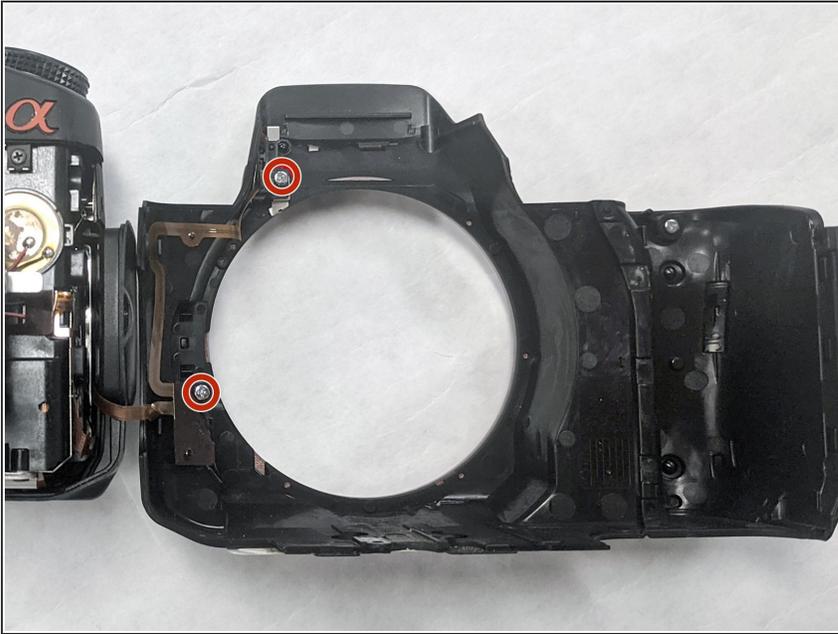
- Flipping to the back side of the eye cup, unscrew the two JIS 000 screw from each side.
- Remove the back side of the eye cup.

## Step 8



- Push down on the hard plastic part of the eye cup and remove it from the cushion.

## Step 9 — Rear Case



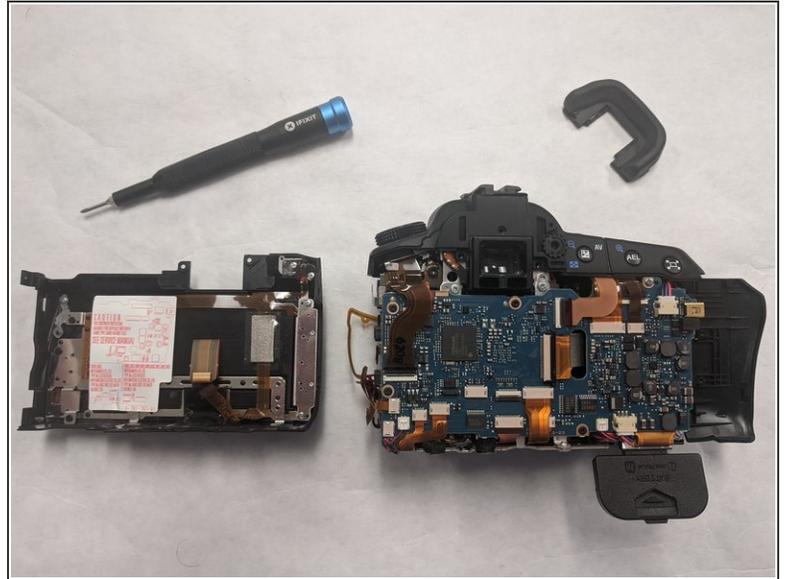
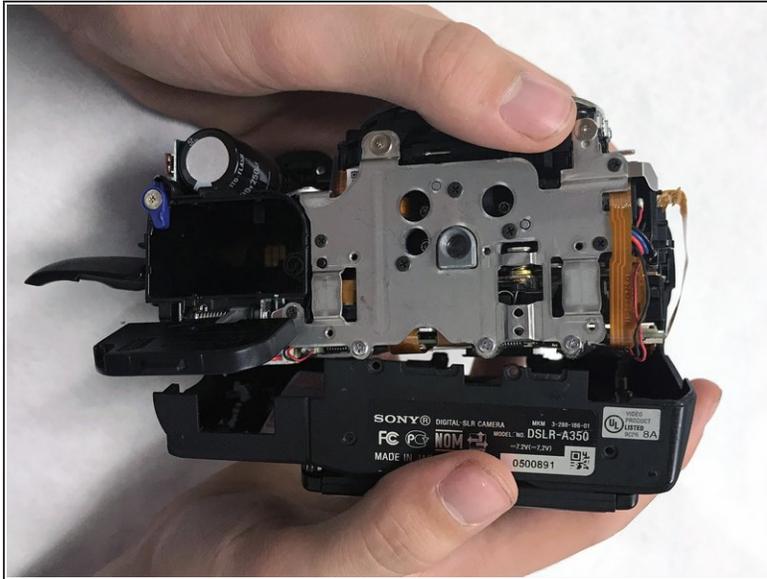
- Using a Phillips #00 screwdriver, remove the two 4.3mm screws attaching the ribbons to the front case.

## Step 10



- After taking off the eye cup, remove two screws using a Phillips screwdriver.

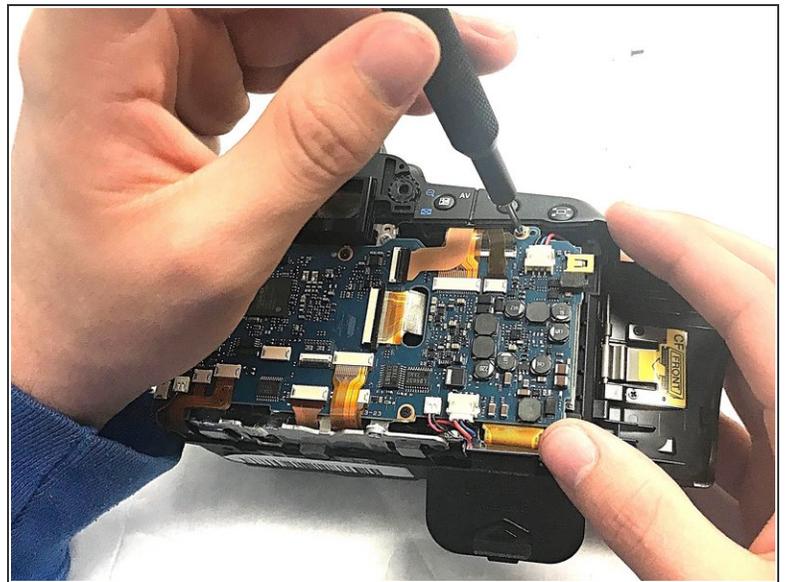
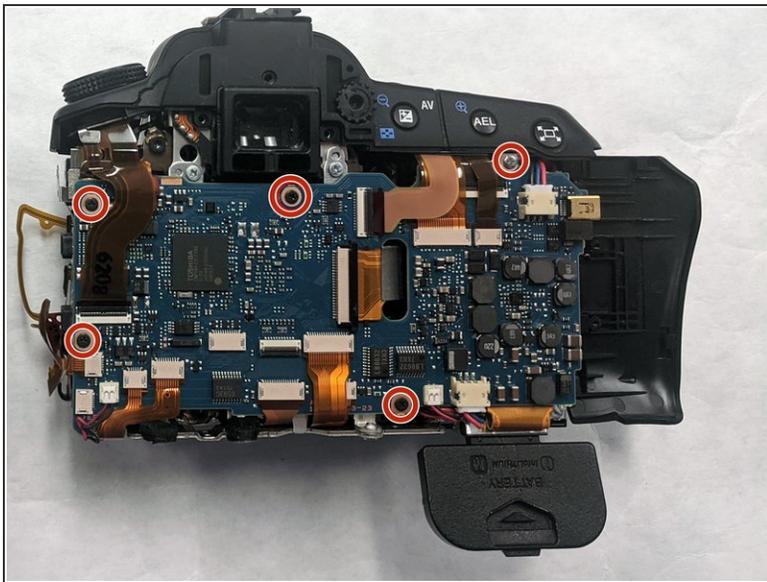
## Step 11



- Gently pry the rear case off of the body of the camera.

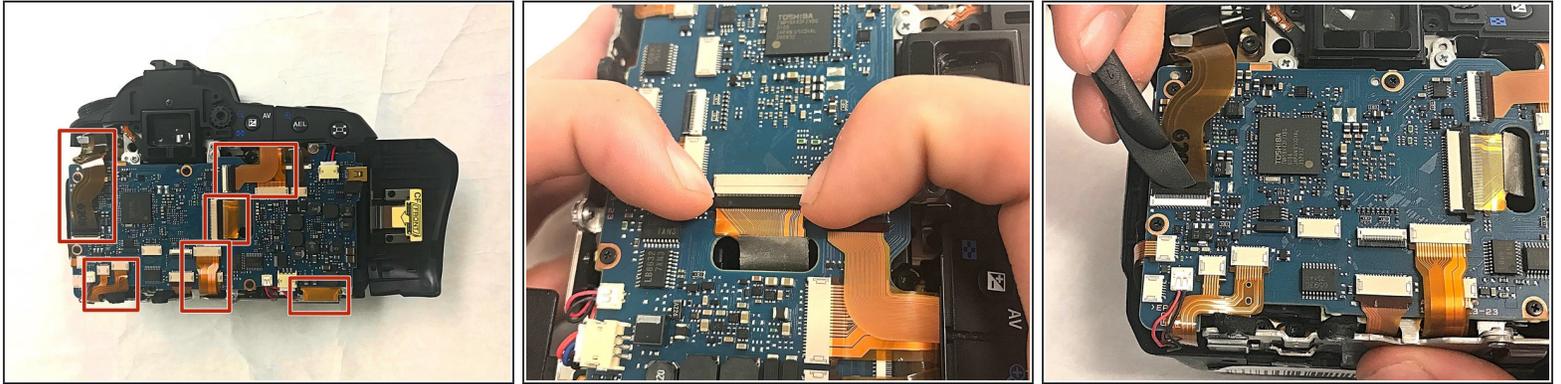
⚠ If it does not come off easily, use a Heavy Duty Supdger to help pry it open.

## Step 12 — Motherboard



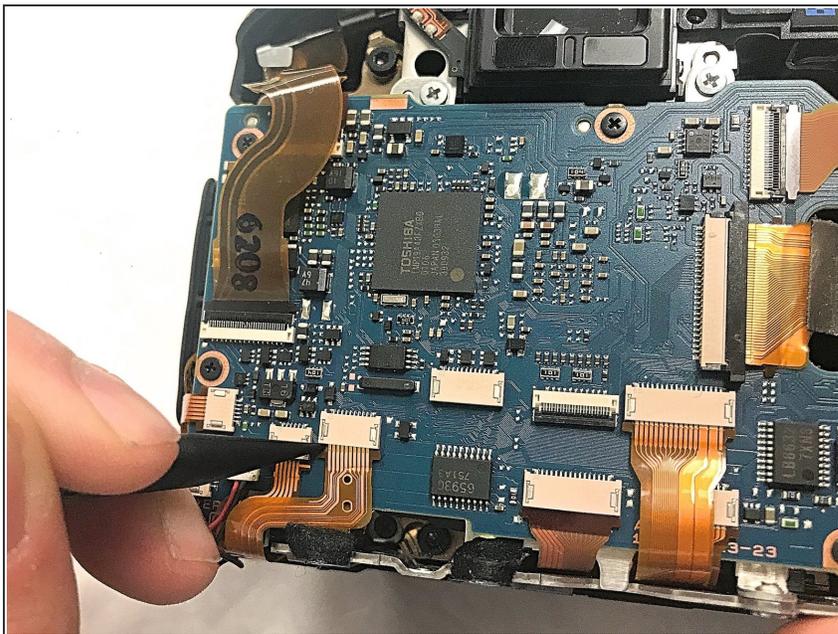
- After opening the case up and exposing the motherboard, remove five 3.6 mm screws with a Phillips #00 screwdriver from the board.

## Step 13



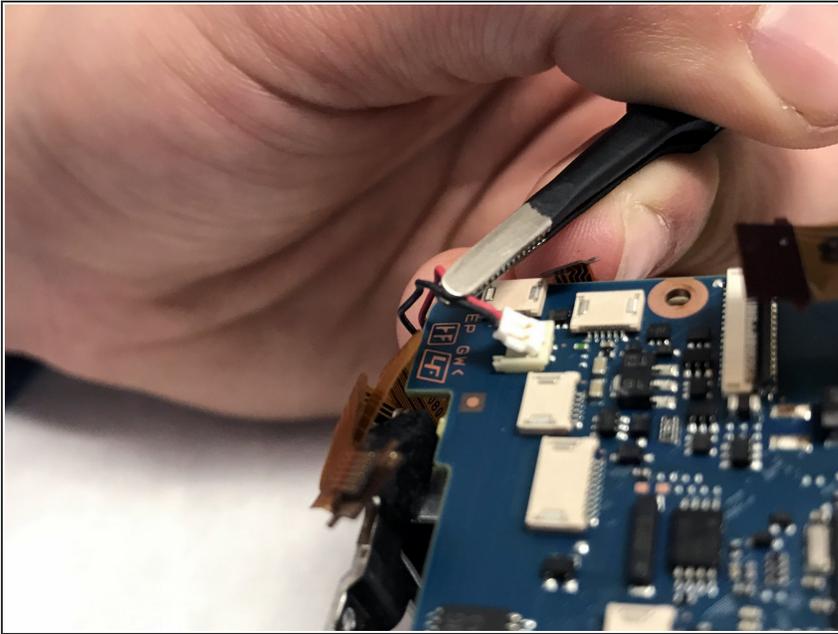
- Remove all ribbon cables that are connected to the motherboard with a pair of tweezers or spudger by pulling them gently towards you.

## Step 14



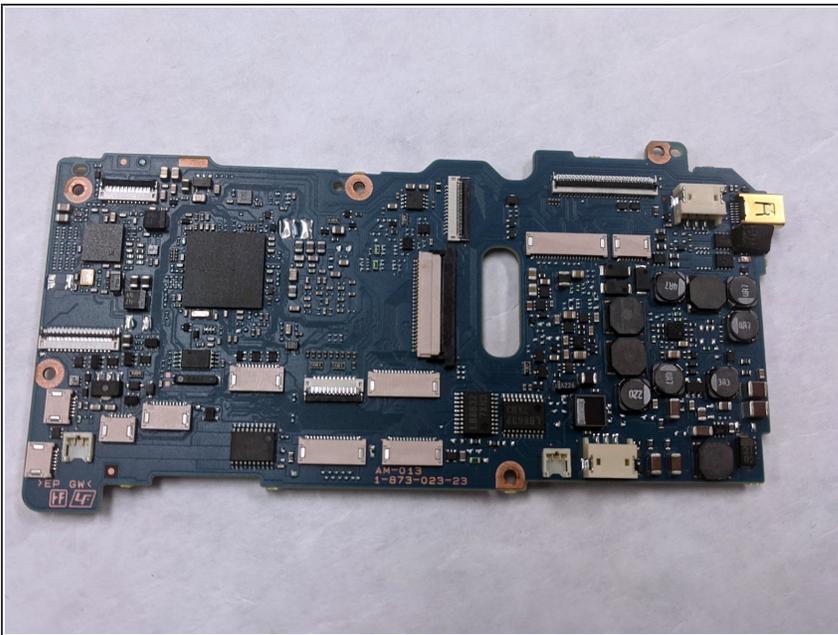
- ⓘ Some of the ribbon cables are held in with miniature clips. These cables can be identified by the side hinge that can be released with a pointed end.

## Step 15



- Carefully pull up upward on the red and black wire ports with a pair of tweezers to remove the connections from the motherboard.
- ⓘ There are four total wire ports. two that you pull upward and two that you towards yourself.

## Step 16



- Gently remove the motherboard now that all connections to the camera are removed.
- ⓘ If the motherboard does not lift out easily, look for screws or ribbons that were left still connected to the board.

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