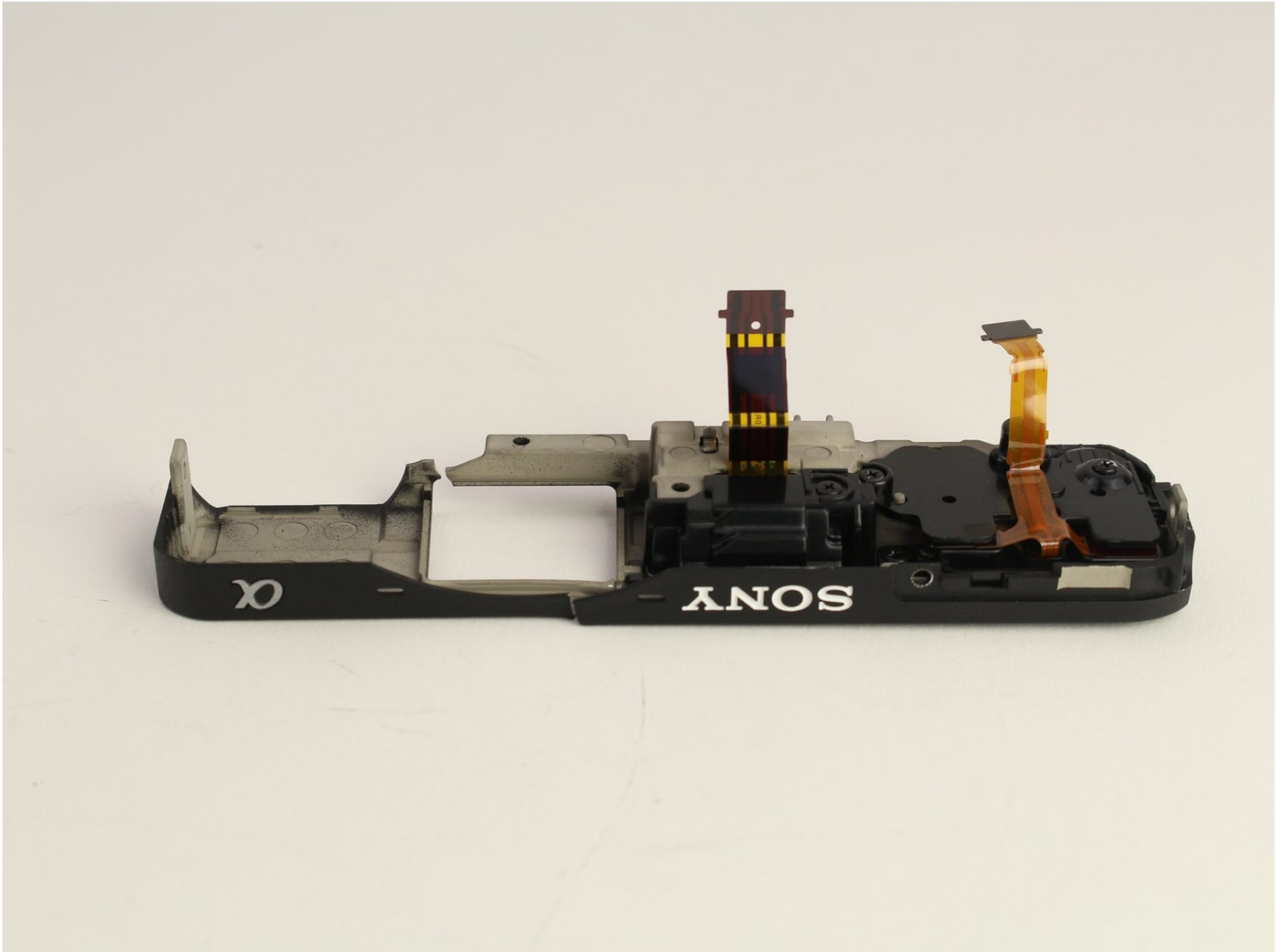




Sony α6500 Top Assembly Replacement

If the top of your camera is damaged or broken,...

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INTRODUCTION

If the top of your camera is damaged or broken, this guide will walk you through its replacement. The removal of the top of the camera is also a prerequisite for the replacement of the flash unit, memory card reader, motherboard, viewfinder glass, and other complex components. You will require a JIS 0 screwdriver, JIS 00 screwdriver, JIS 000 screwdriver, tweezers, and opening tools.

TOOLS:

[JIS #0 Screwdriver](#) (1)

[JIS #00 Screwdriver](#) (1)

[JIS #000 Screwdriver](#) (1)

[iFixit Opening Tool](#) (1)

[Tweezers](#) (1)

Step 1 — Battery



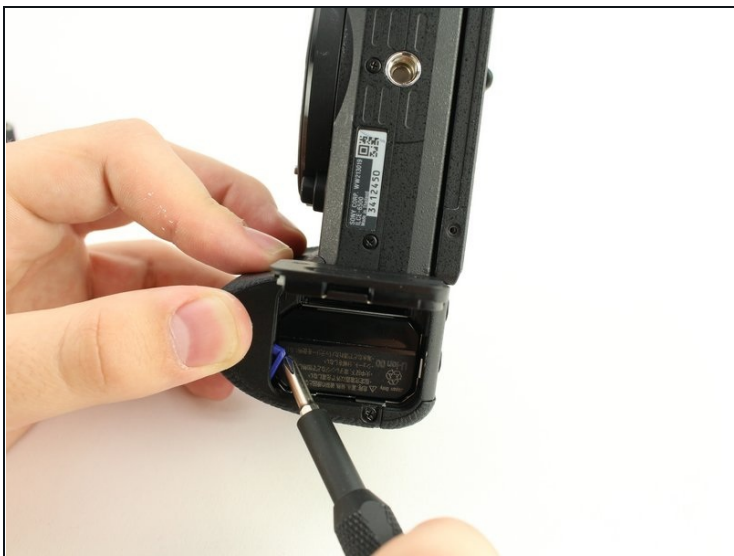
- Verify the camera is powered off by setting the switch to OFF.

Step 2



- Flip the camera upside down.
- Slide the battery compartment lock to OPEN to unlock it.

Step 3



- Push the blue lever aside to release the battery.

Step 4



- Remove the released battery from the compartment.

Step 5 — Top Assembly



① To access the back of the camera remove the screws attaching the LCD screen hinge to the camera body.

- Remove four 3 mm JIS 000 screws.
- Remove one 3 mm JIS 00 screw.

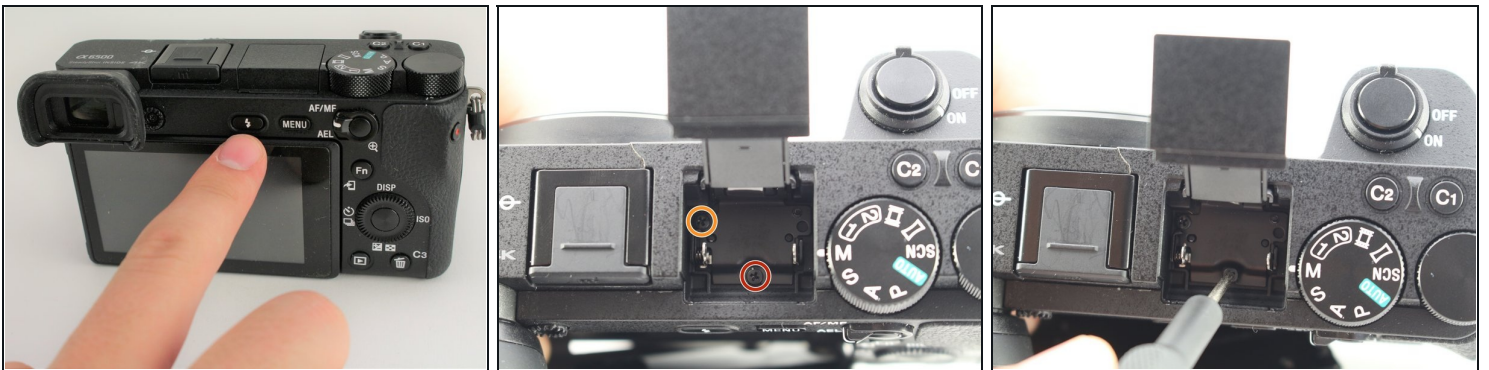
⚠ After dismounting the screen hinge be careful to avoid tearing the black wire ribbon connecting the screen to the camera body.

Step 6



- Grasp the viewfinder eyecup; slide it up and off the viewfinder.

Step 7



- Press the flash popup button on the back of the camera.
- Remove one 5 mm JIS 00 screw from inside the flash compartment.
- Remove one 4 mm JIS 00 screw.

Step 8



① To remove the top of the camera you must remove the back first.

- Remove the 2.5 mm JIS 00 screw from the side of the camera near the viewfinder.
- Use the opening tool to pry off the small cover.
 - Remove two 2.5 mm JIS 00 screws from underneath the cover.
 - Remove a 5 mm JIS 00 screw from underneath the cover.

Step 9



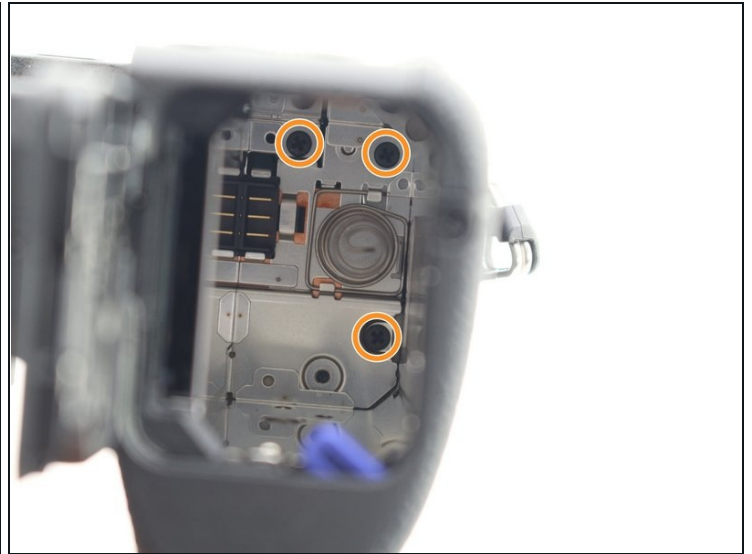
- Remove three 2.5 mm JIS 0 screws from the back face of the camera.
- Remove one 4 mm JIS 00 screw from the underside of the lip that overhangs the back of the camera.

Step 10



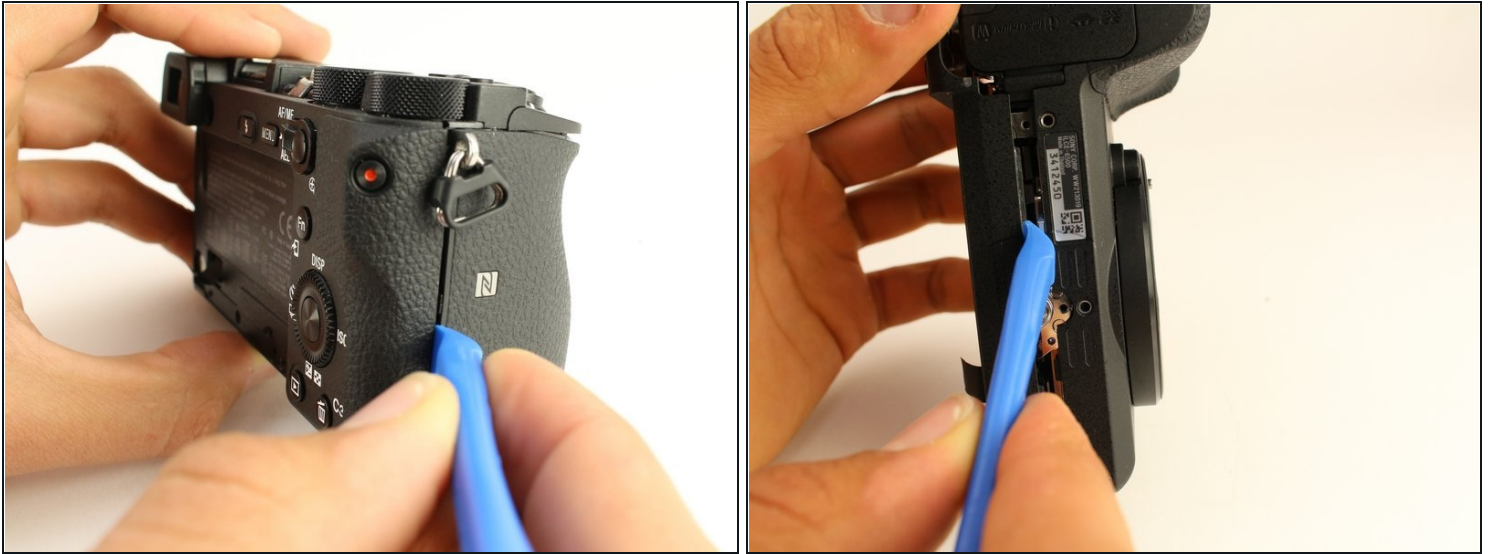
- Remove four 4 mm JIS 0 screws from the bottom of the camera.

Step 11



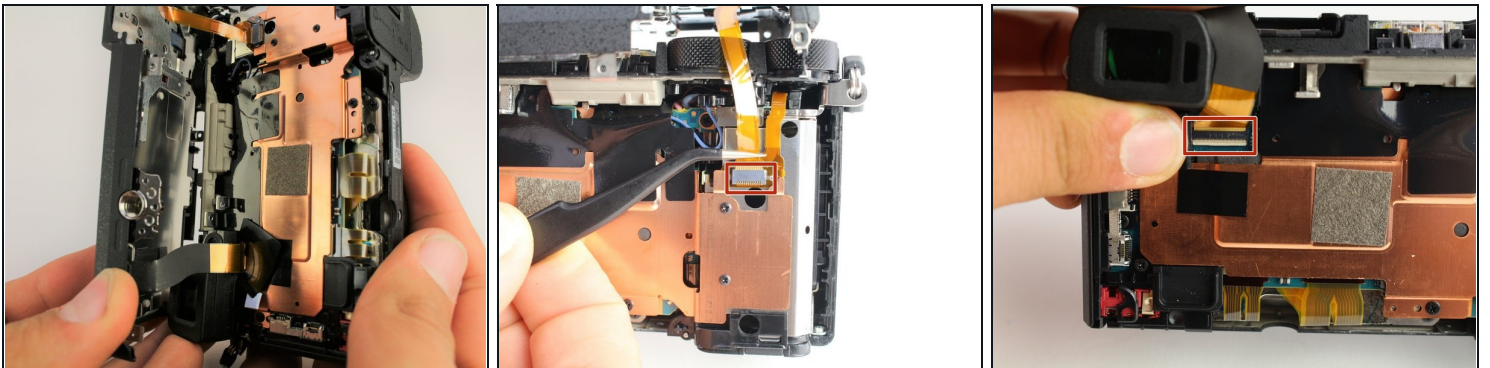
- Flip the battery lock switch to open and open the battery compartment.
- Remove three 2.5 mm JIS 00 screws from the top of the battery compartment.
 - ① You may need a longer or thinner screwdriver to reach the screws in the battery compartment.

Step 12



- Use the plastic opening tool to begin prying off the back of the camera from the side.
- Continue to loosen the back until you can open it from the bottom.

Step 13



- Open the back of the camera.
- Use [tweezers](#) to remove two ribbon connectors from underneath the back. One connects to the LCD display and the other connects to the right side behind the battery compartment.

⚠ Ribbon connectors can tear easily. Grasp the plastic ends (not the ribbon) when removing.

Step 14



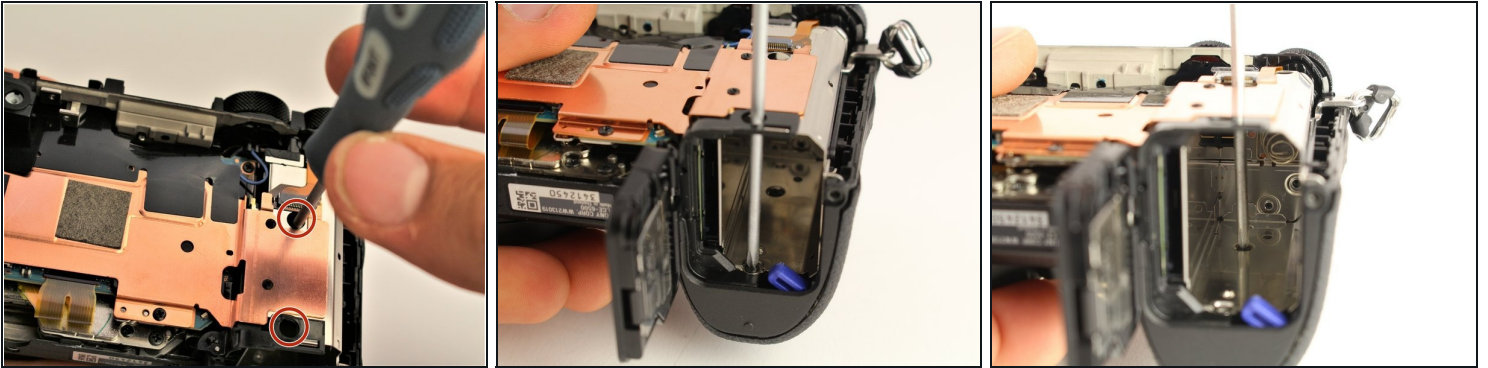
- Use the plastic opening tool to peel down the rubber grip around the handle at least 1 cm.
 - ① The adhesive holding the rubber grip down should be strong enough to reattach when you are done. If not, you may need an adhesive to reglue it.
- Remove one 3 mm JIS 000 screw from underneath the rubber grip on the right side.
- Remove one 4 mm JIS 000 screw from the left side.

Step 15



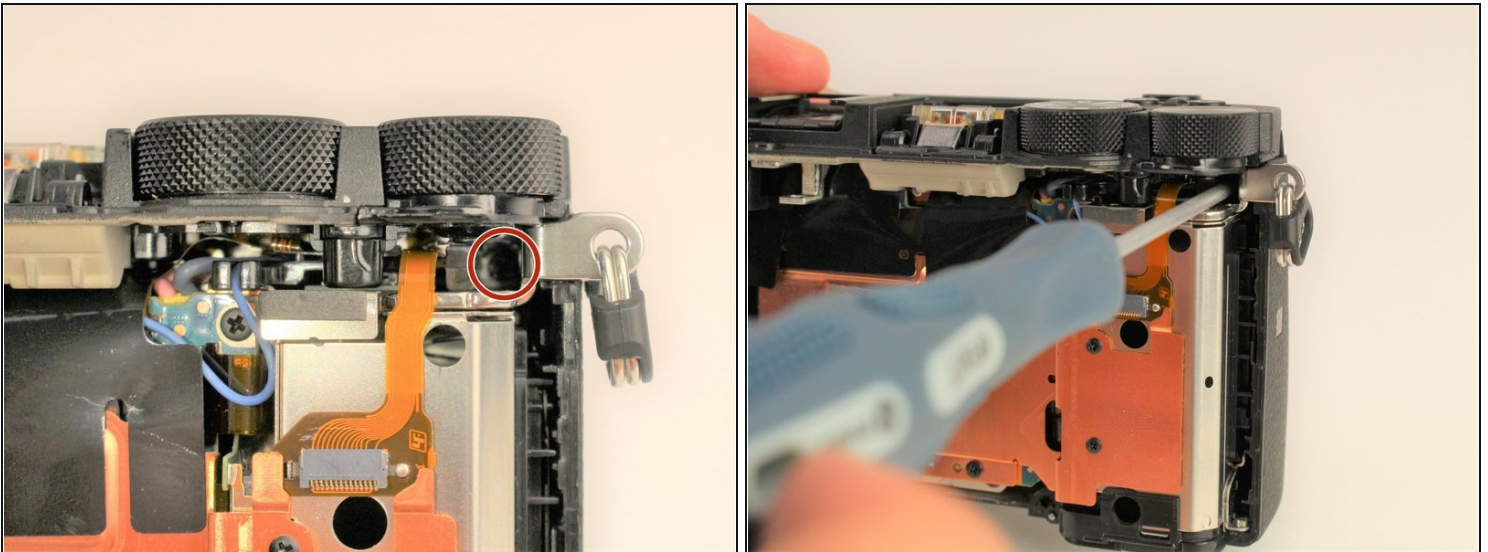
- ① The last screws holding the top on can be accessed once the back of the camera is removed.
- Remove one 2.5 mm JIS 00 screw from the top next to the flash mount.

Step 16



- Insert a long, thin JIS 00 screwdriver through the two holes and into the battery compartment; remove the two 5mm JIS 00 screws inside it.

Step 17



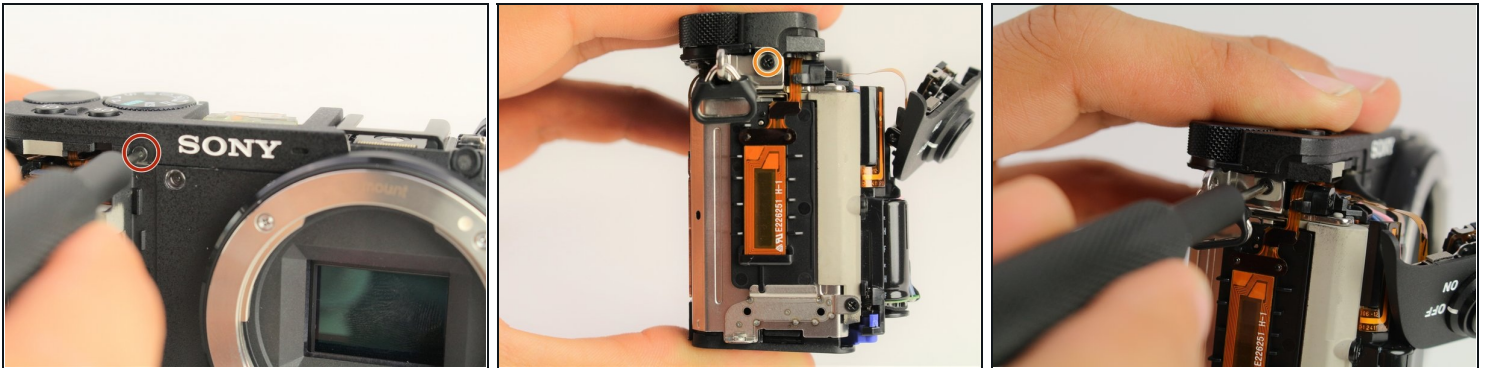
- Use the long, thin, screwdriver to remove one 5 mm JIS 00 screw inside the camera accessible below the dials from the back.

Step 18



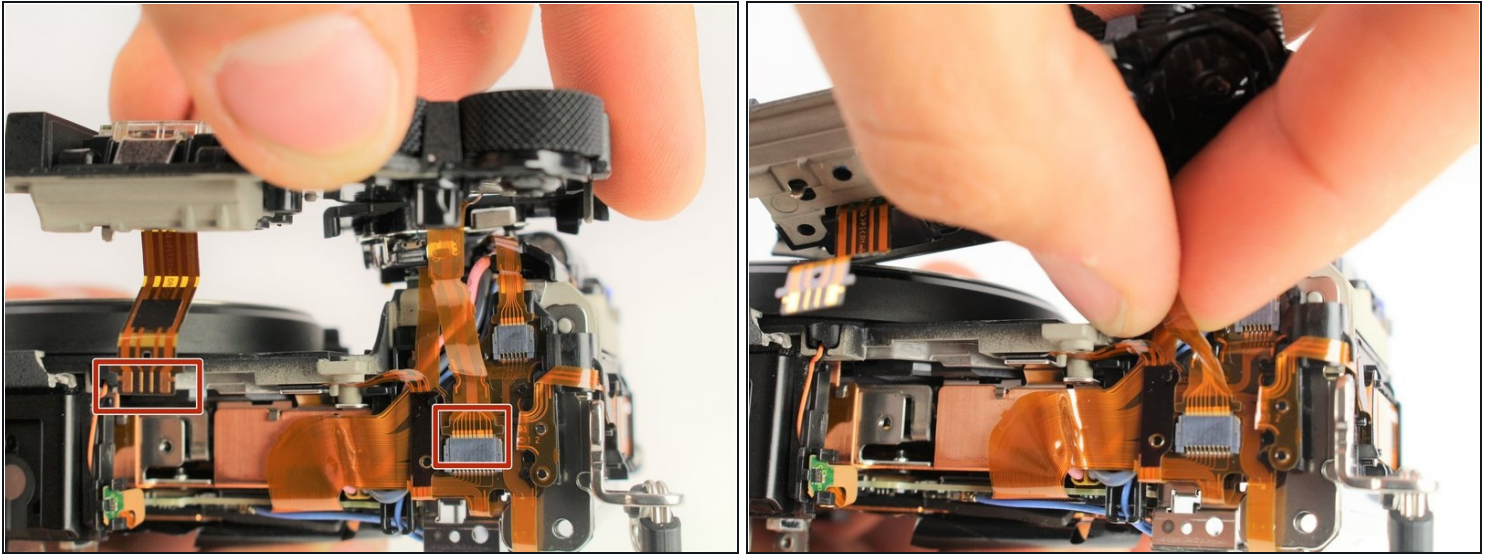
- Use the plastic opening tool to gently lift up the shutter button assembly.
- Grasp the front grip from the top and bottom and pull it off. It should come off easily with the shutter button out of the way.
- ⓘ The shutter button will still be attached by one ribbon cable once the front grip is removed.

Step 19



- Remove one 2.5 mm JIS 00 screw from where the shutter button assembly used to be.
- Remove one 3 mm JIS 00 screw from the side of the camera.

Step 20



- Carefully unplug the two ribbon connectors attaching the top assembly to the rest of the camera.

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