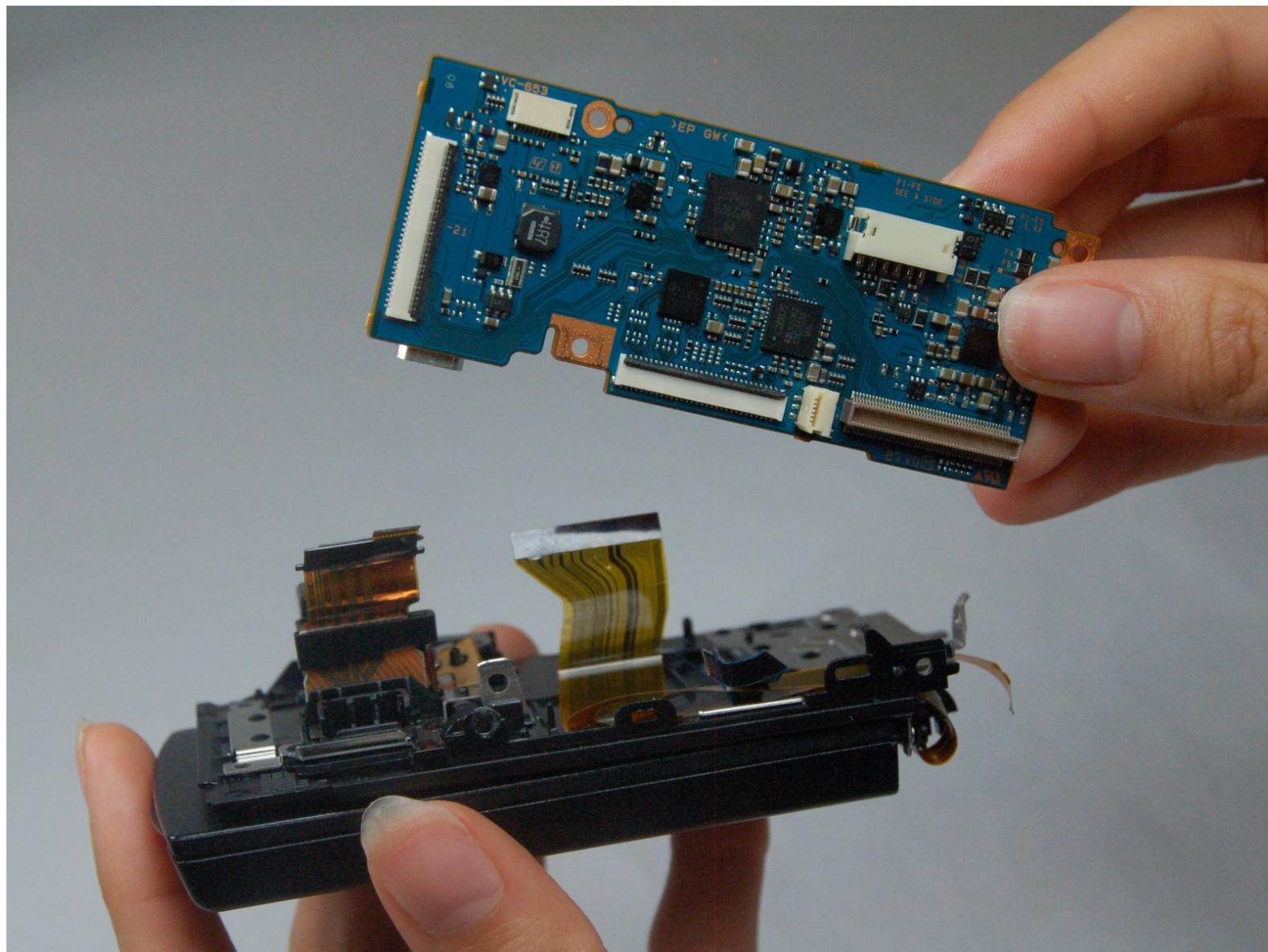




Sony Handycam HDR-CX580V Motherboard Replacement

This guide will help to locate and remove the motherboard for replacement on the Sony Handycam HDR-CX580V.

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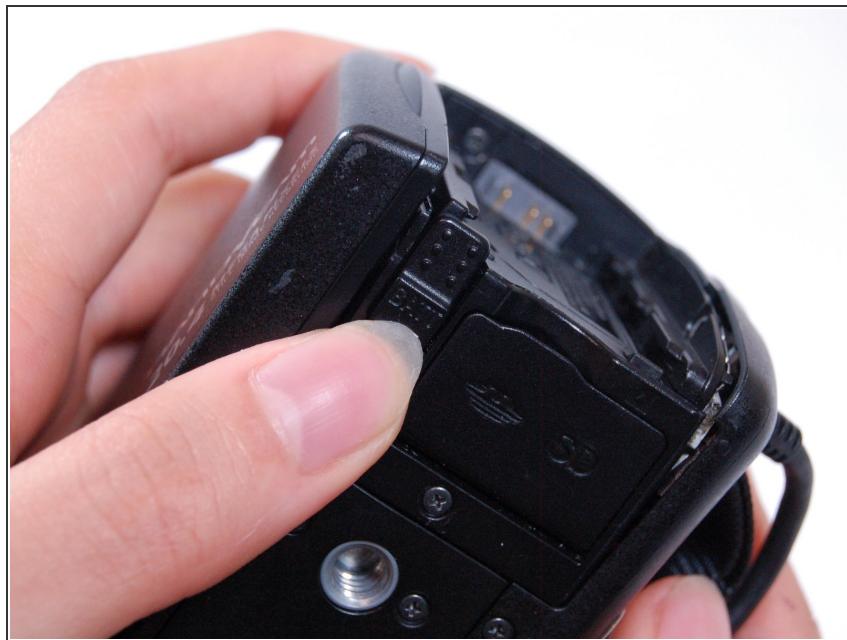
INTRODUCTION

This guide will help to locate and remove the motherboard for replacement. This will involve removing a significant portion of the camera and wiring.

TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Tweezers](#) (1)

Step 1 — Battery



- Locate the slider labeled "BATT" and pull it back from the battery with your thumb.

Step 2



- At this point, you should be able to remove the battery by simply lifting it from the camera.

(i) The camera provided for guide-creation did not include a battery. However, the battery position should be the same.

Step 3 — Recording Button



- Use the Phillips #00 head to remove the following 5.5mm screws on the left-hand side.

Step 4



- Use the Phillips #00 head to remove the following 5.5mm screws on the empty battery socket.

Step 5



- Use the Phillips #00 head to remove the following 5.5mm screws on the bottom.

Step 6



- Fold back the hinging panel on the top of the camera located near the lens.
- Use the Phillips #00 head to remove the following 5.5mm screws on the top under the hinging panel.

Step 7



- Slide back the cover for the DC and A/V ports on the right-hand side.
- Use the Phillips #00 head to remove the following 5.5mm screws underneath the cover and on the right-hand side.

Step 8

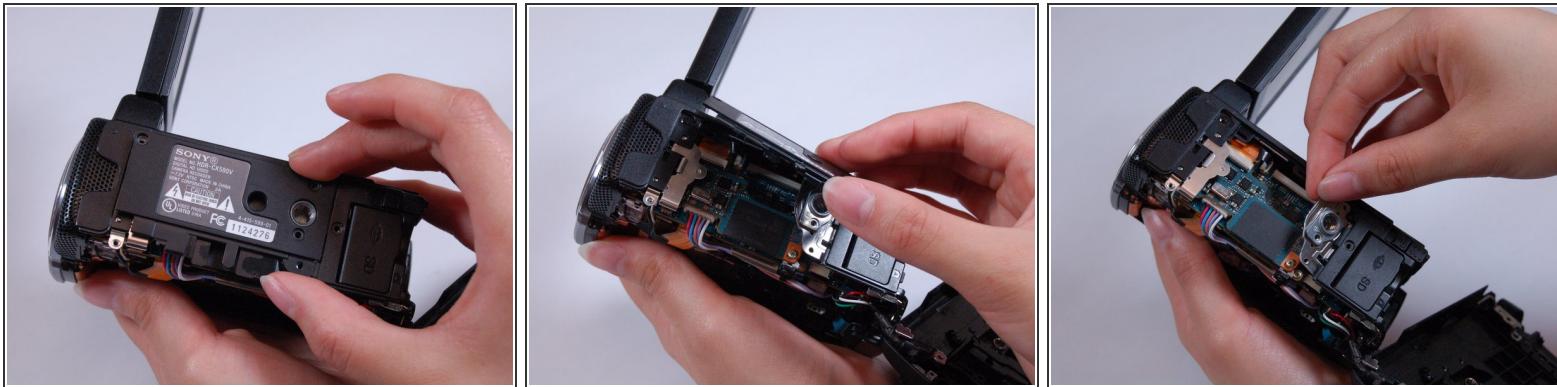


- Use the plastic opener tool to loosen the casing on the bottom and the right-hand side.

(i) At this point, the right-hand side should simply come off, although it will still be connected with internal wiring.

! Be delicate with the wiring still attached to the side casing until you have access to removing them later.

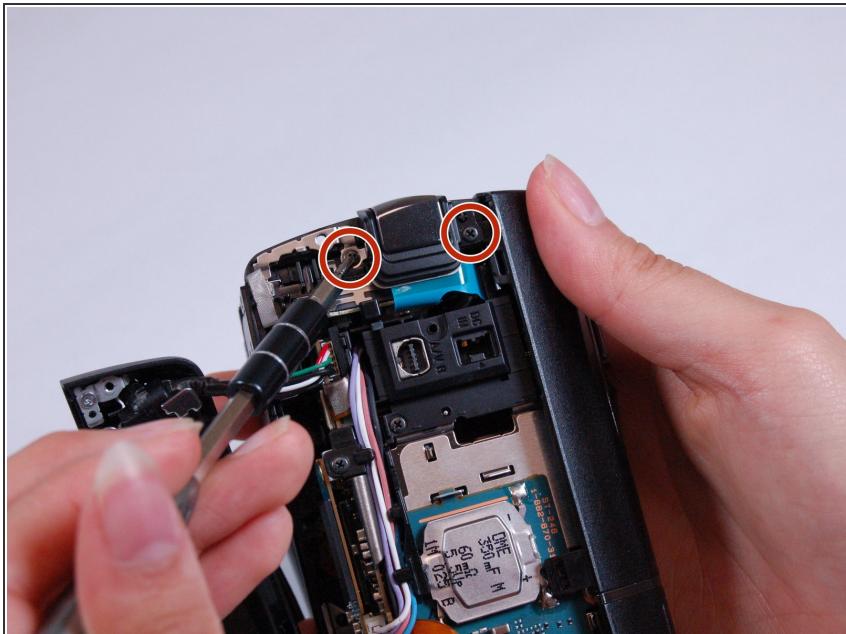
Step 9



- Carefully remove the bottom casing with your fingers.

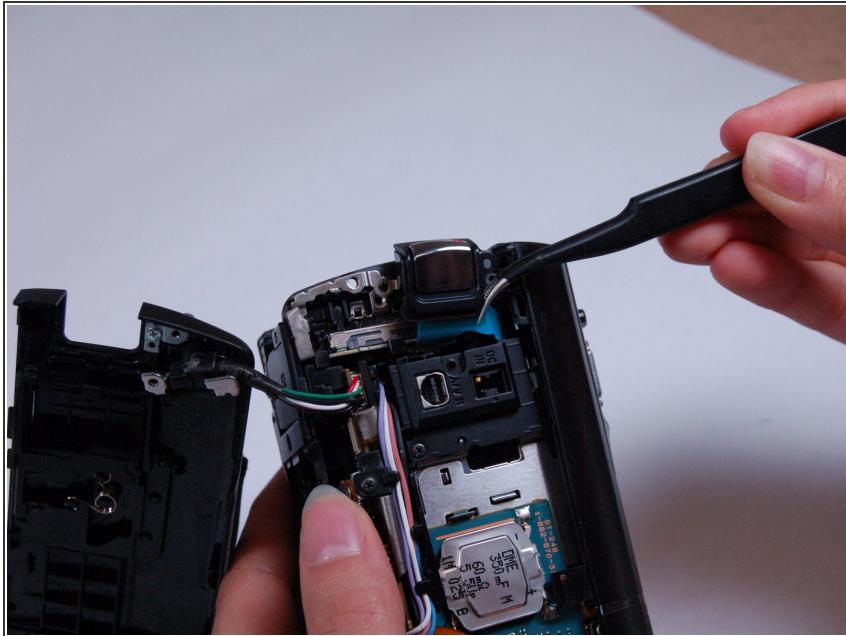
 Be careful not to lose the small metal stand-mount pieces that lay underneath the casing.

Step 10



- Look at the right side of the camera (the side with the recording button) while holding back the detached casing.
- Use the Phillips #00 head to remove the following 5.5mm screws near the recording button.

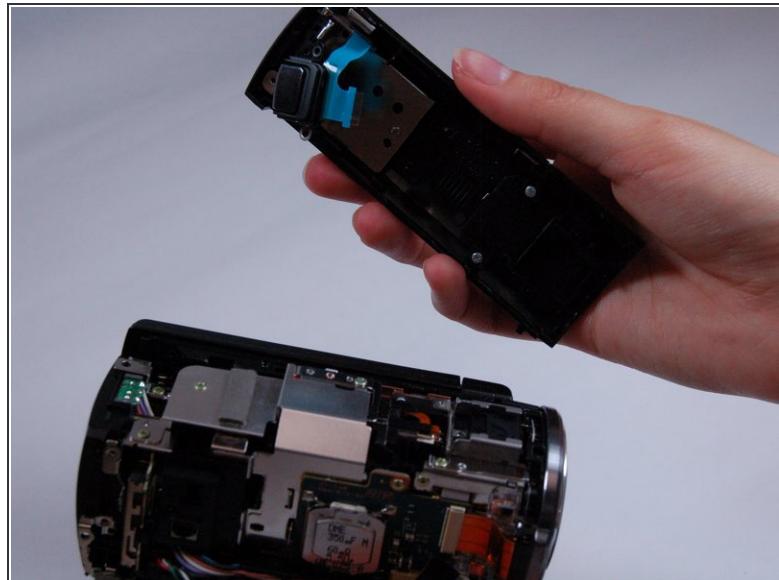
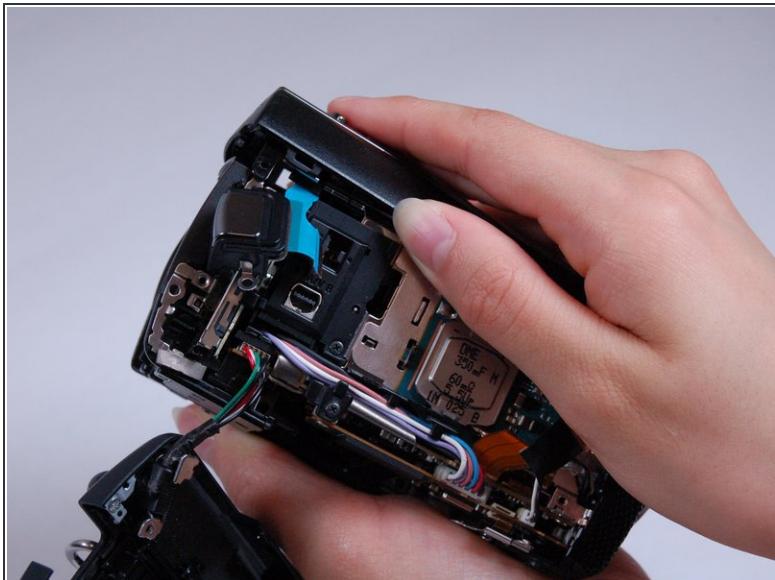
Step 11



- Use the curved tweezers to carefully detach the blue ribbon cable connector from the body of the camera.

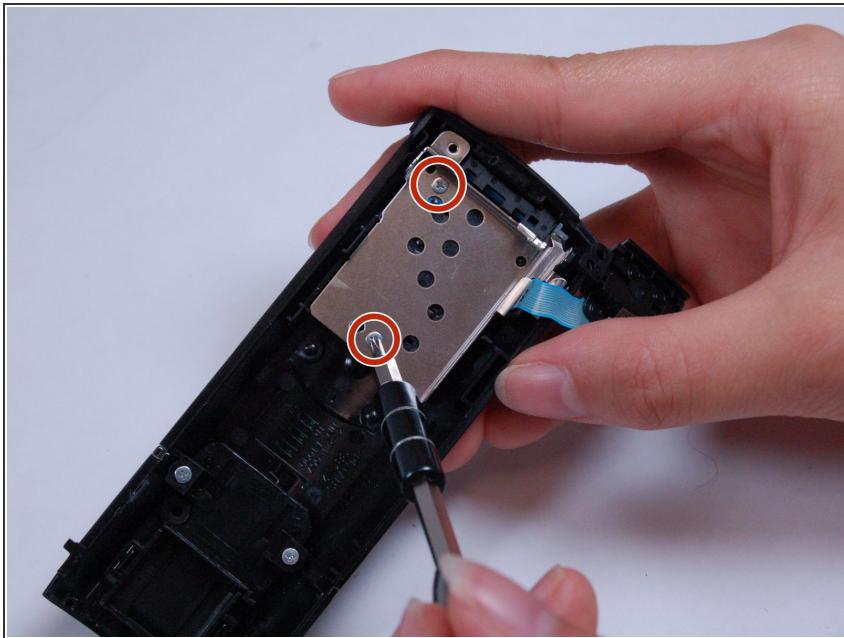
i The recording button and its blue ribbon cable connector should become detached from the body, but remain connected to the top casing.

Step 12



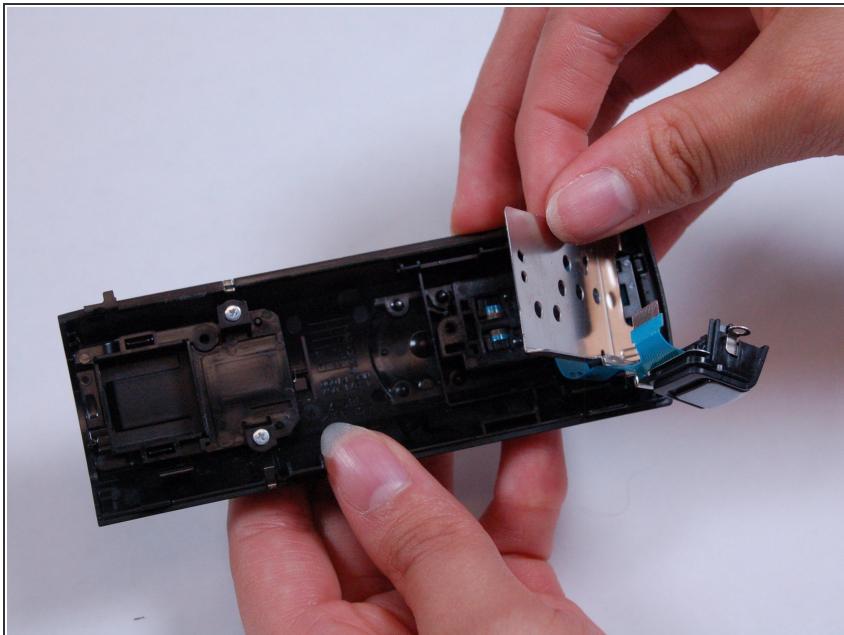
- Pull off the top casing by lightly grabbing either side and pulling towards the back of the camera.

Step 13



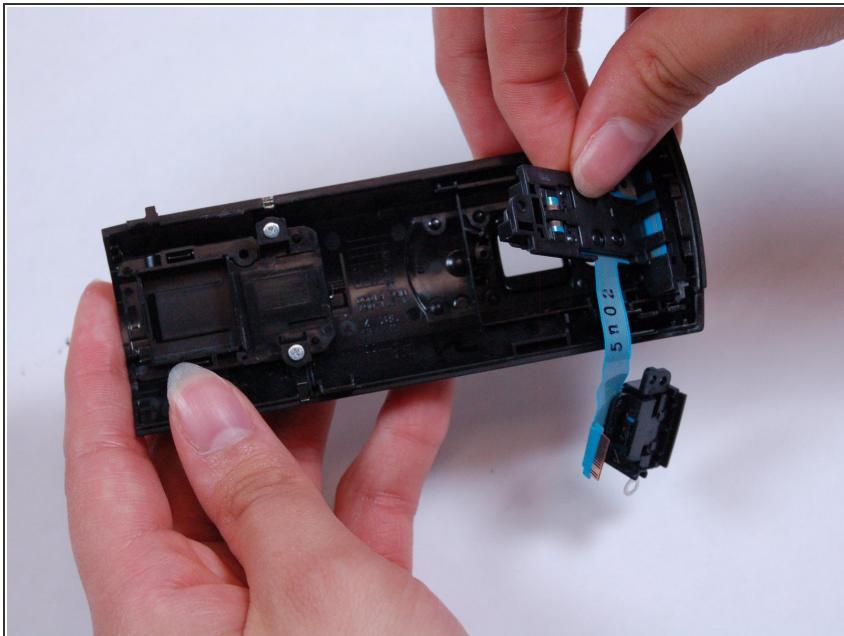
- Use the Phillips #00 head to remove the following 5.5mm screws on the inside of the top casing.

Step 14



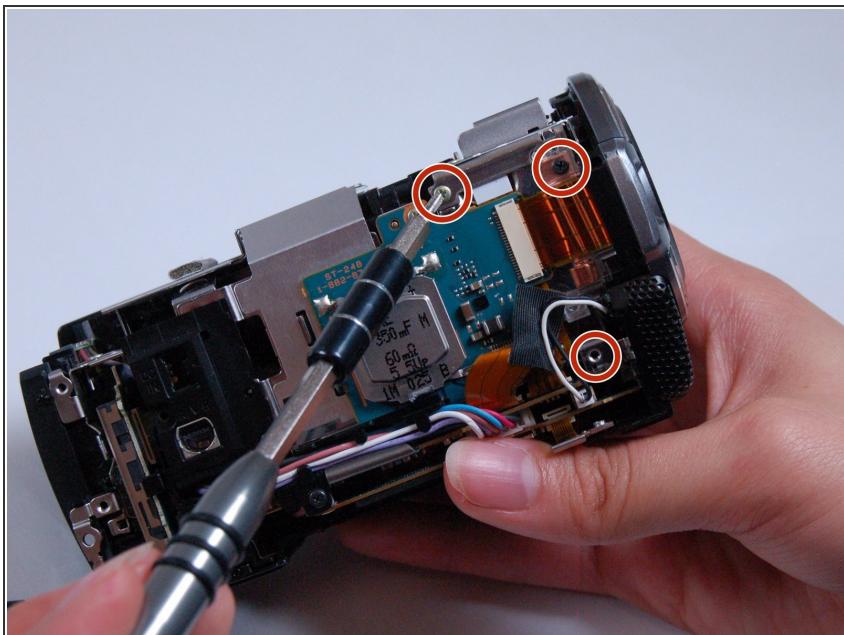
- Carefully remove the metal frame from the top casing.

Step 15



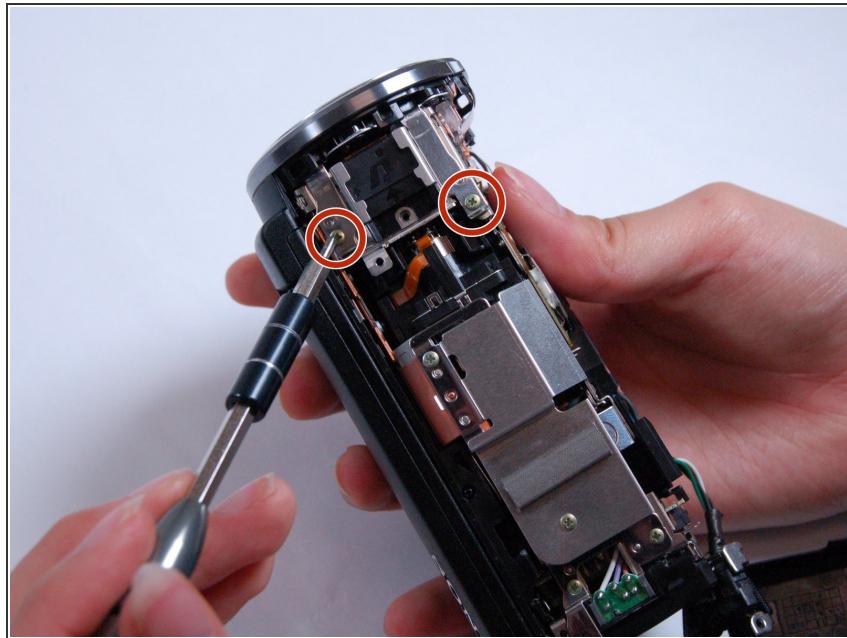
- You are now free to remove the recording button, as well as its connection strip.

Step 16 — Lens



- Use the Phillips #00 head to remove the following 5.5mm screws on the right-hand side near the lens.

Step 17



- Use the Phillips #00 head to remove the following 5.5mm screws on the top near the lens.

Step 18



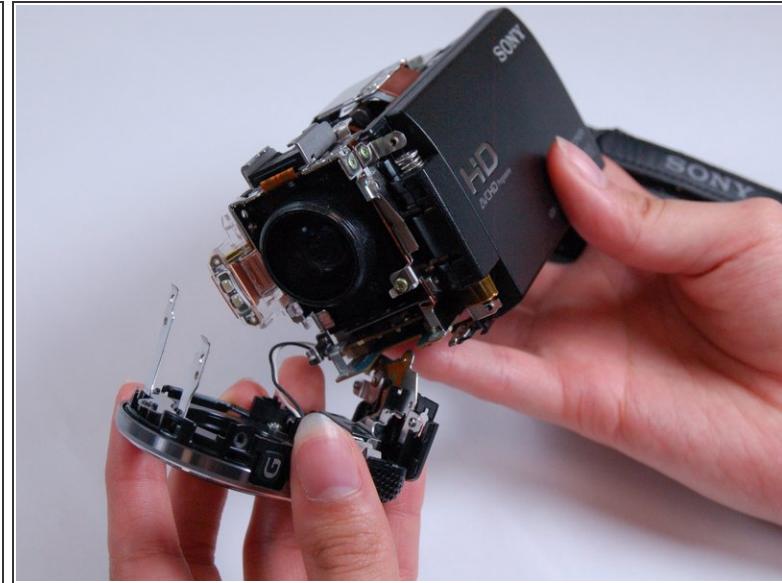
- Carefully pop off the casing strip on the camera's left-hand side near the lens.

Step 19



- Use the Phillips #00 head to remove the following 5.5mm screws underneath the casing strip.

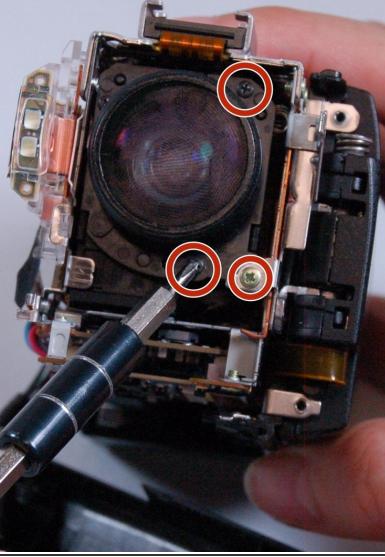
Step 20



- Carefully pull the lens cover and shutter assembly off of the front of the camera.

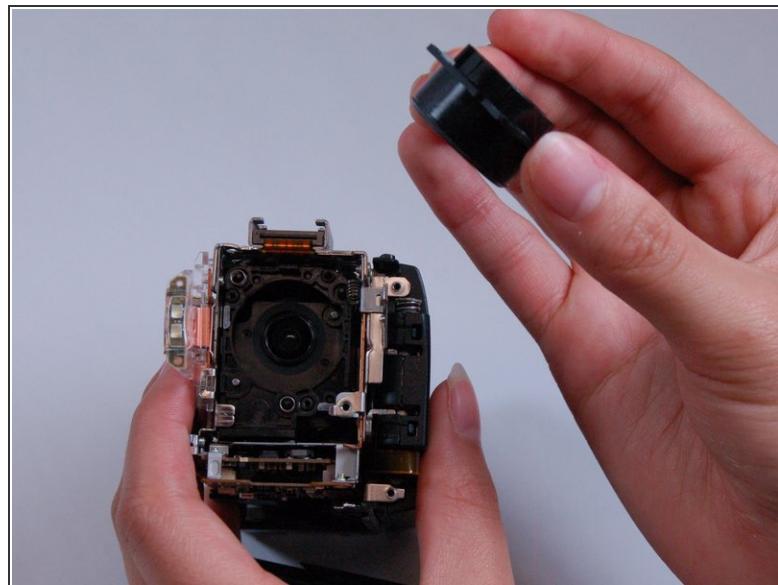
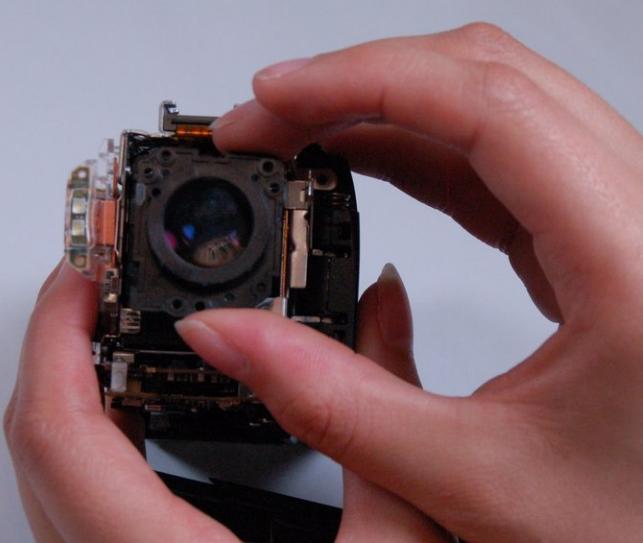
⚠ Do not pull the the wires out too strongly. Be sure to remove them from their base where they attach to the camera's body.

Step 21



- Use the Phillips #00 head to remove the following 5.5mm screws on the lens shell.

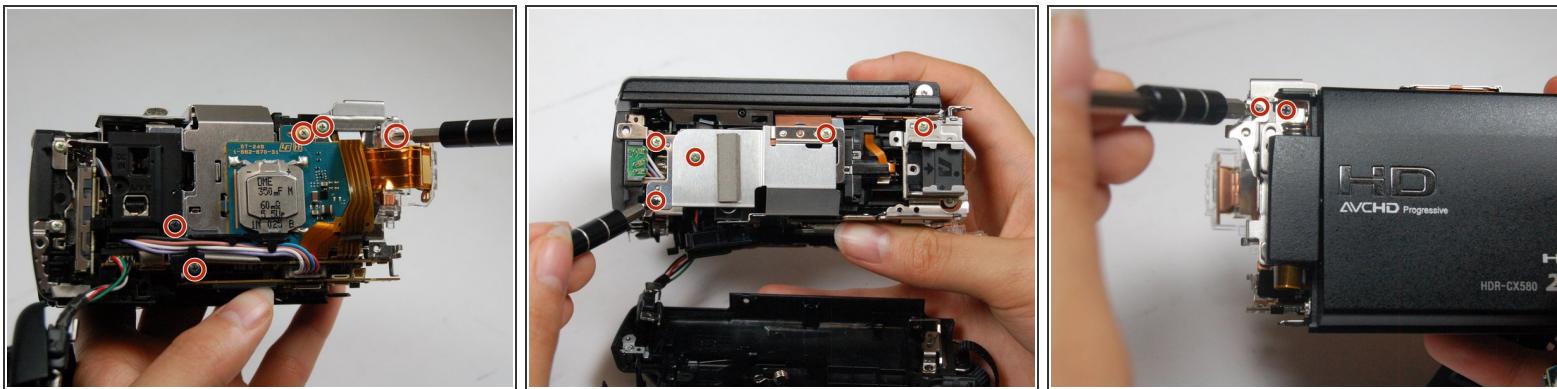
Step 22



- Carefully remove the lens from the body of the camera.

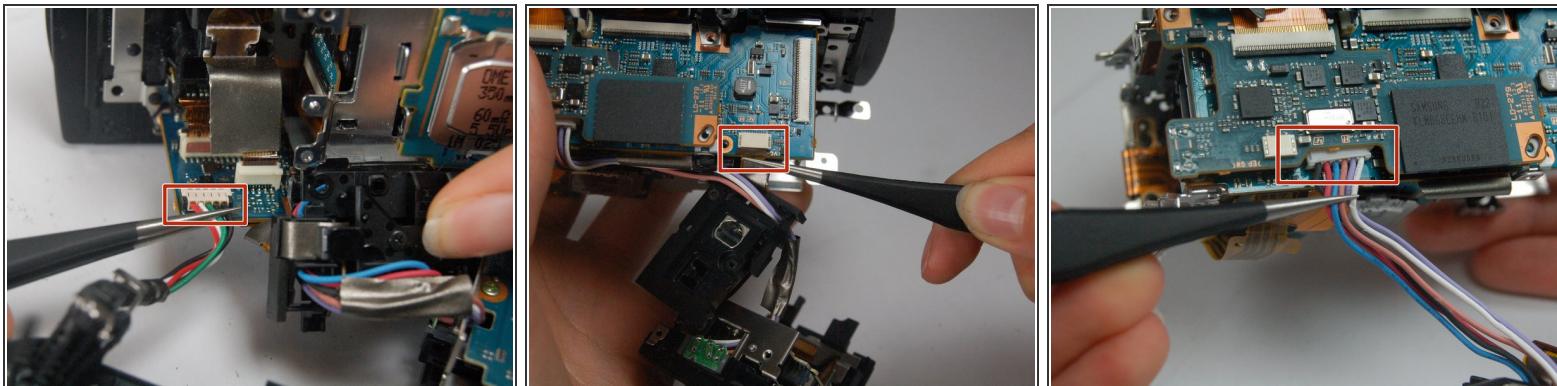
⚠ Make sure to avoid touching the lens itself directly in order to prevent scratches or dirtying.

Step 23 — Motherboard



- To begin removing the metal casing, use the Phillips #00 head to remove the following 5.5mm screws.

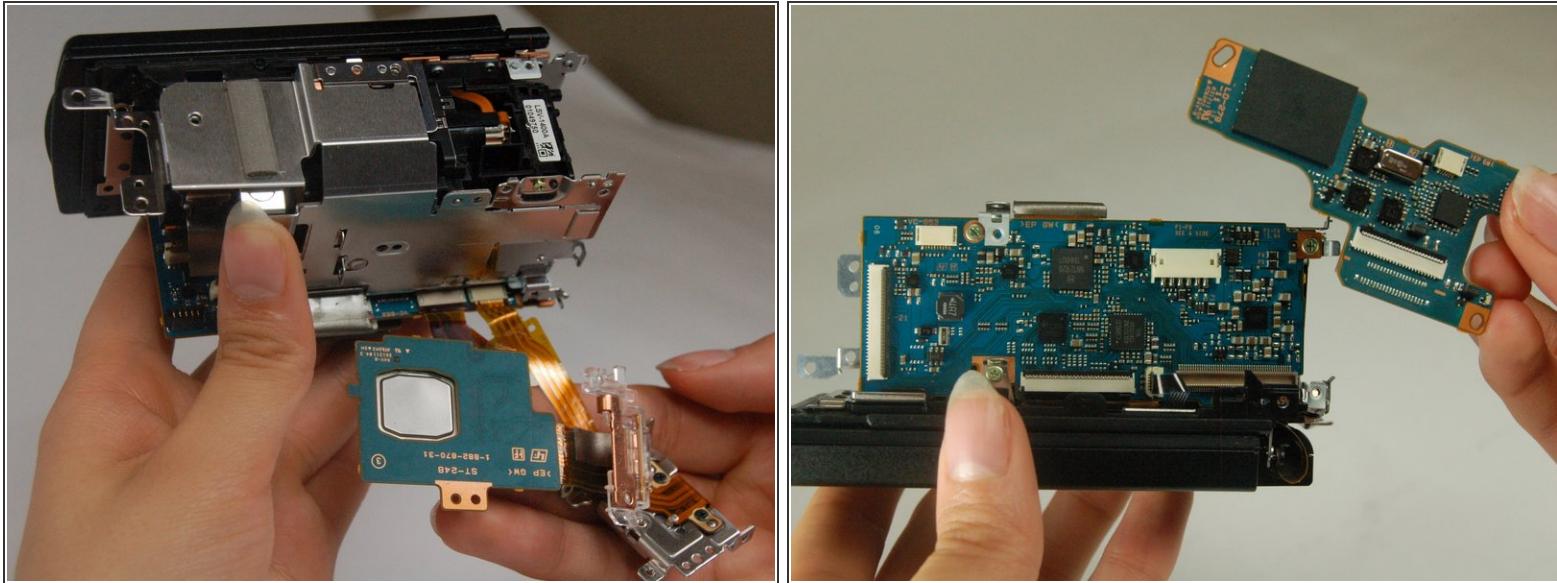
Step 24



- Hold the camera so you can see the motherboard on its bottom.
- With a pair of straight tweezers, carefully remove the hanging panel by the following bundled cable connectors and ribbon cable connector attached to the motherboard.

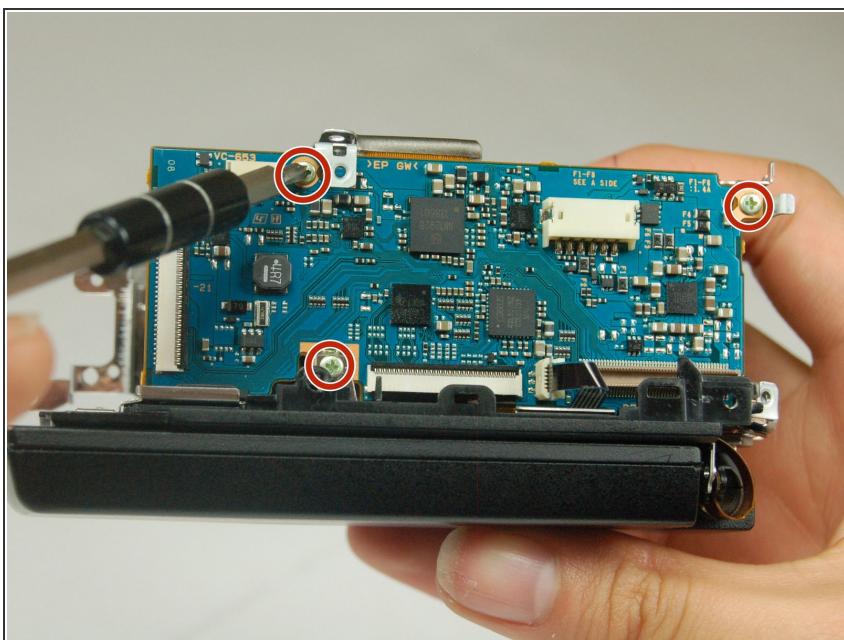
ⓘ At this point, the side panel that has been hanging should now be removed and placed to the side.

Step 25



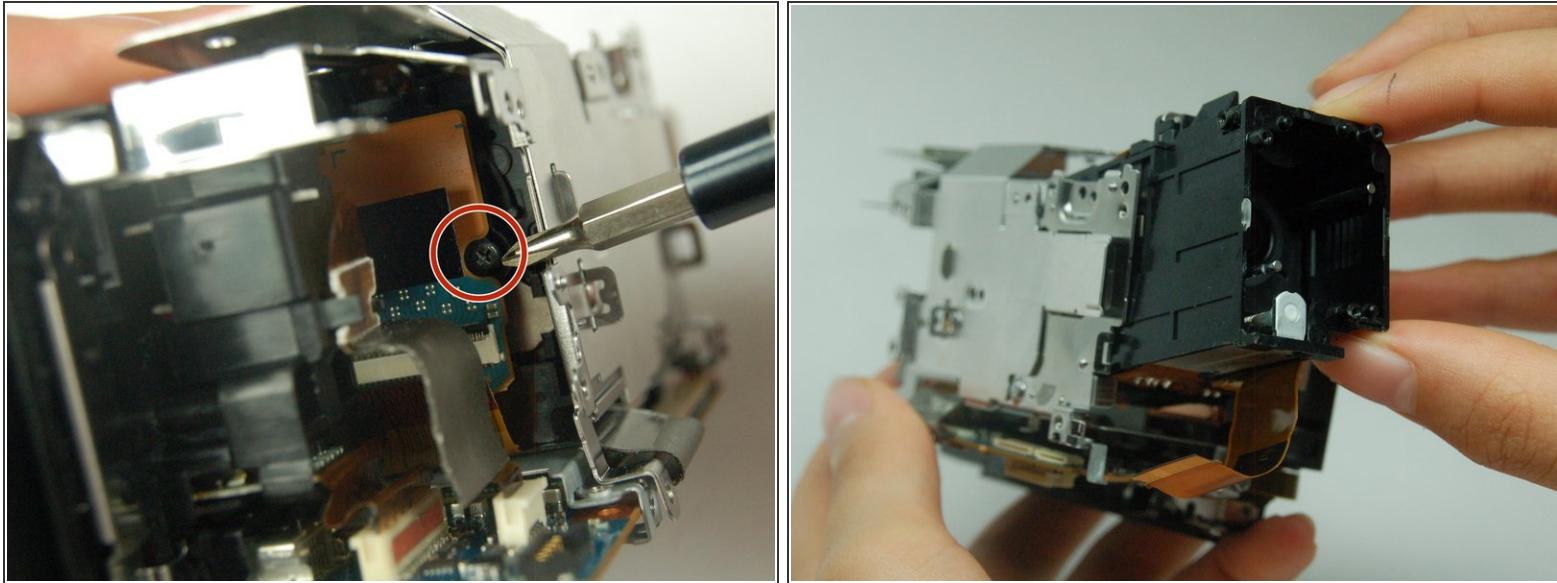
- The camcorder's chip and part of the motherboard should naturally fall off at this point and should carefully be removed and placed to the side.

Step 26



- Use the Phillips #00 head to remove the following 5.5mm screws from the side of the motherboard.

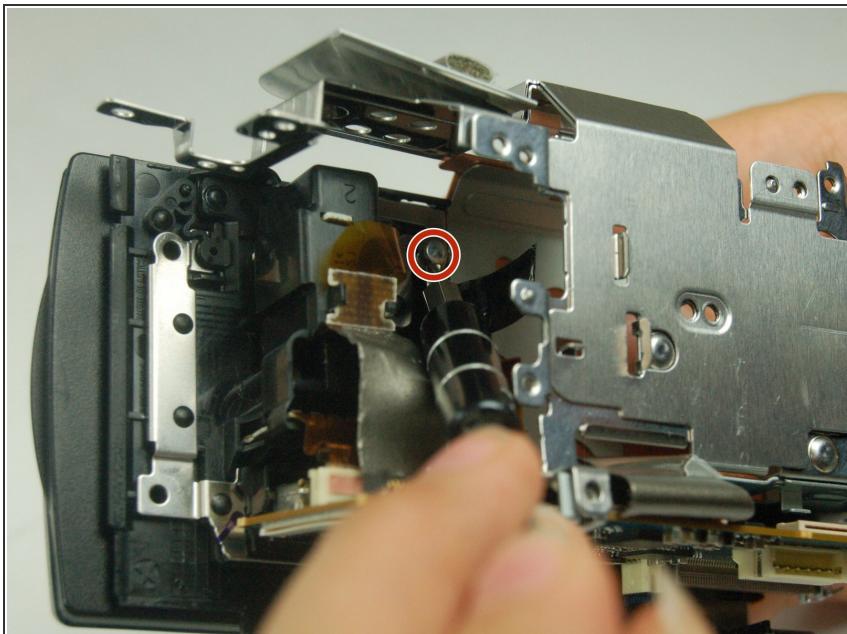
Step 27



- Use the Phillips #00 head to remove the following 5.5mm screws and remove the lens compartment by carefully pulling it out of the metal casing.

 Do not pull the lens compartment too hard.

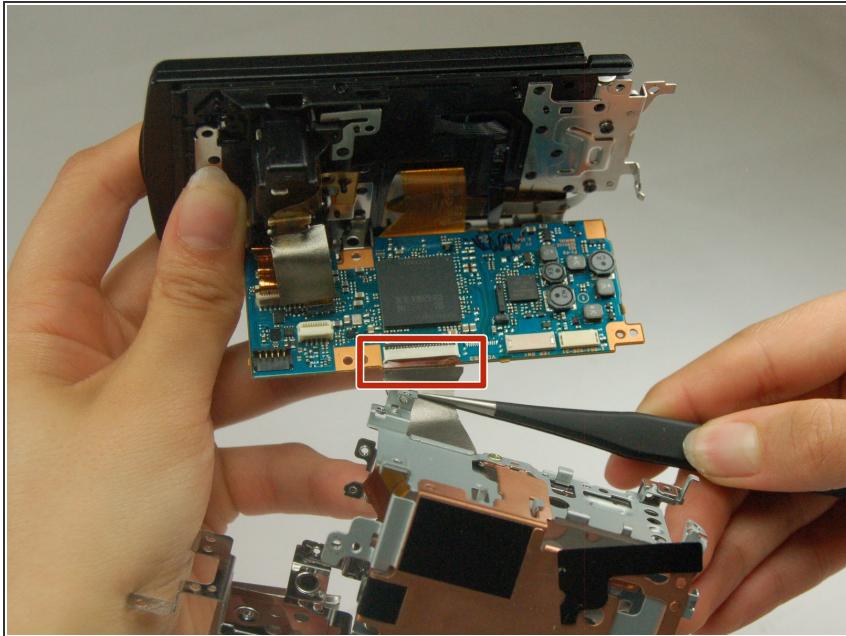
Step 28



- Use the Phillips #00 head to remove the 5.5mm screw inside the metal casing.

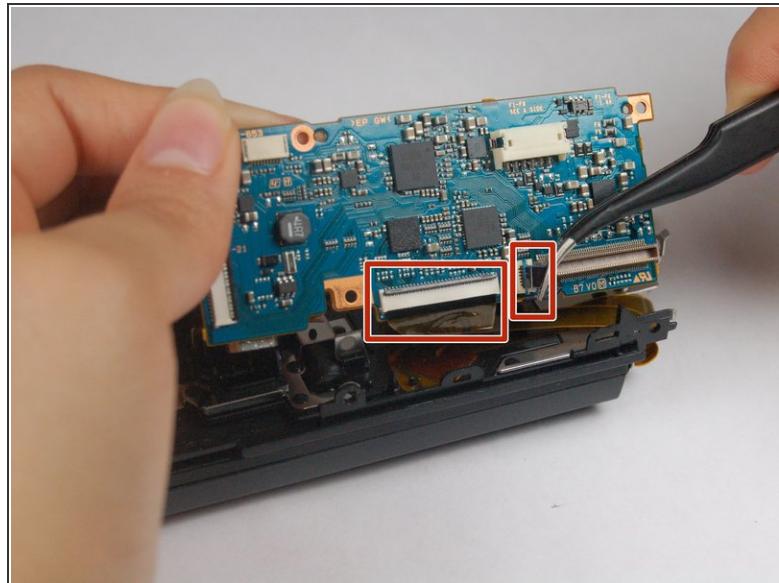
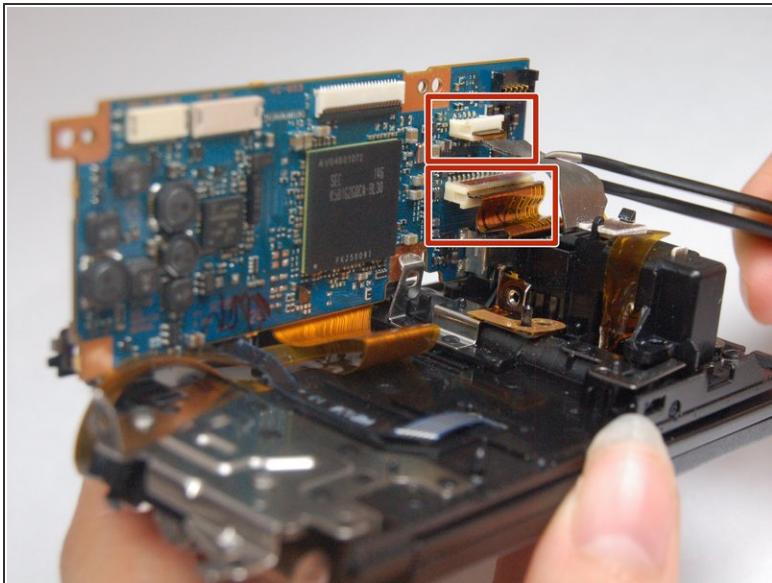
 This screw may be hidden under the black strip inside the camera's body. If so, carefully move it aside with the pair of straight tweezers.

Step 29



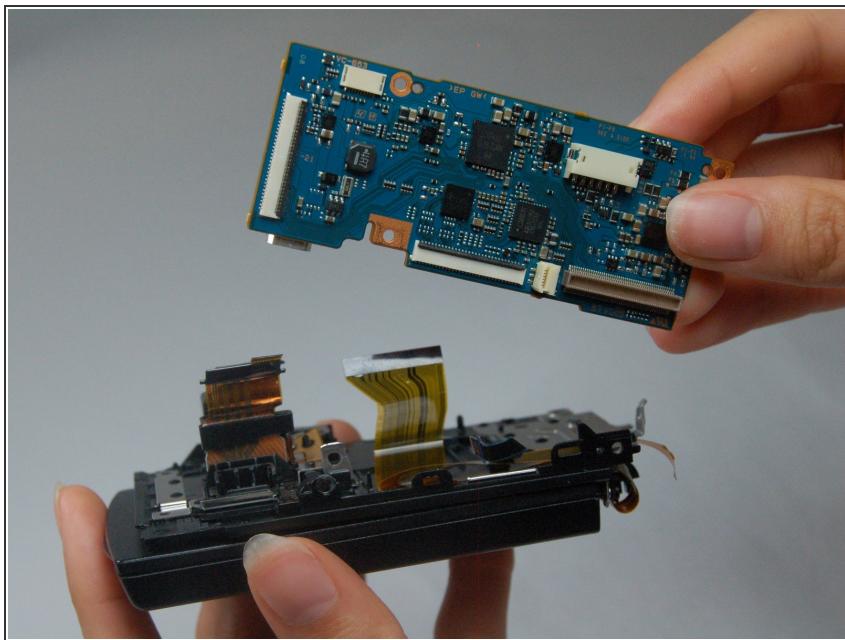
- Using a pair of tweezers, remove the ribbon cable connector attached to the metal casing and the motherboard.

Step 30



- Using a pair of tweezers, remove the following ribbon cable connectors to remove the motherboard from the camcorder.

Step 31



- Carefully remove the motherboard by hand.

i It should be relatively easy to remove if everything is removed properly.