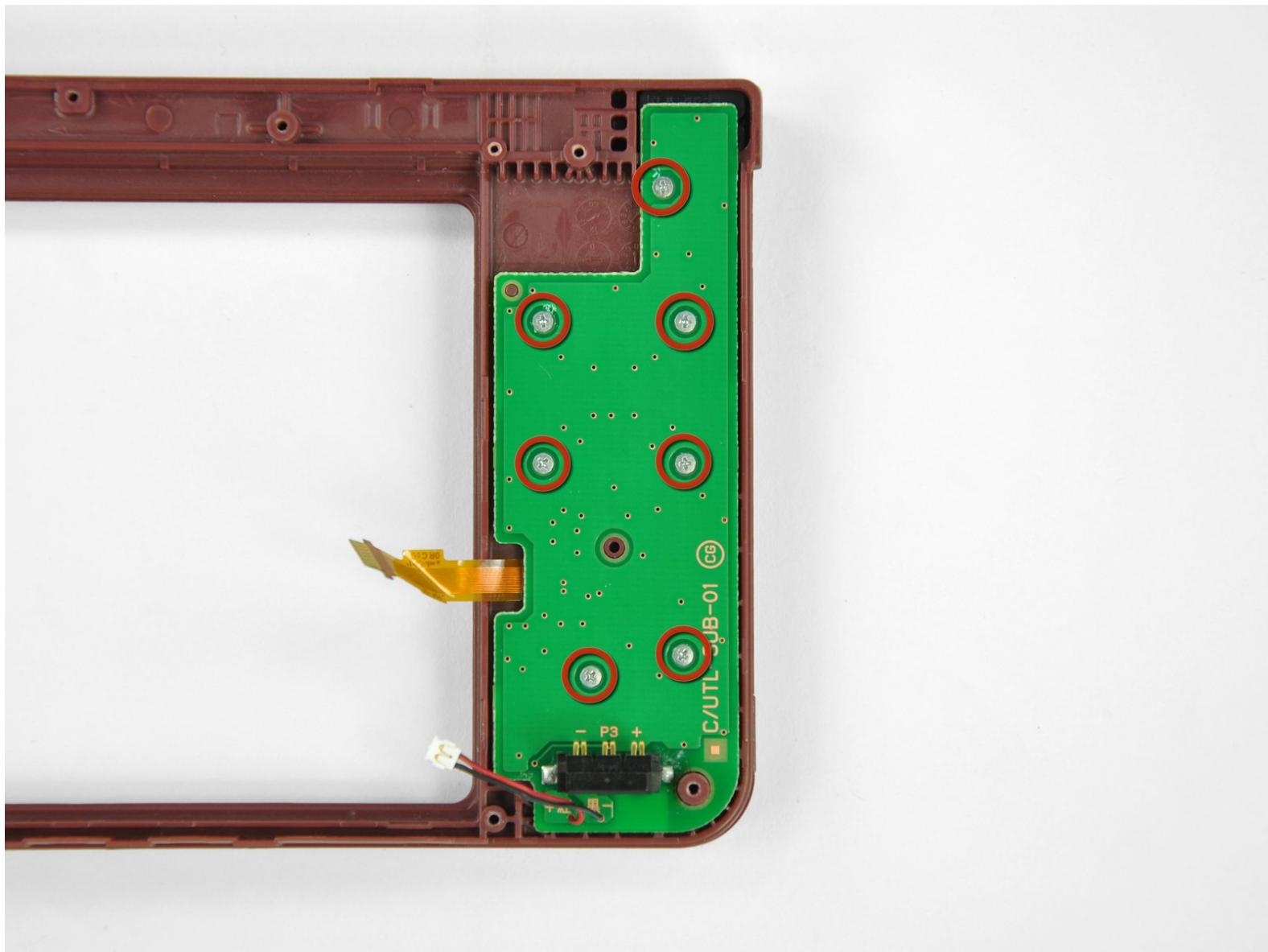




Nintendo DSi XL Upper Case Replacement

Replacing the upper case.

Written By: Brett Hartt



INTRODUCTION

Customize the color of your DSi XL by replacing the upper case.

TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Push Pin](#) (1)
- [Spudger](#) (1)

PARTS:

- [Nintendo DSi XL Outer Shell](#) (1)

Step 1 — Battery



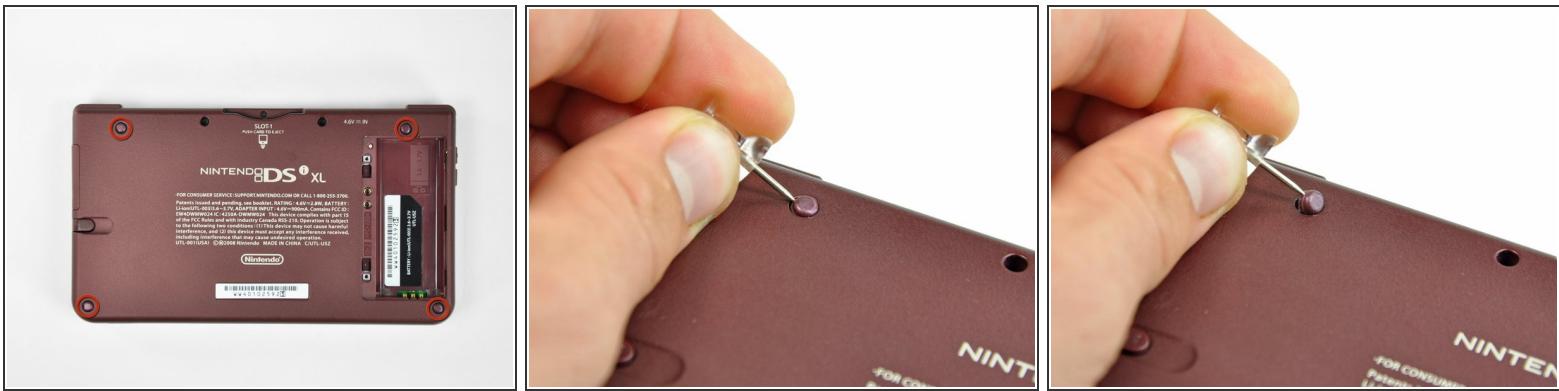
- Remove the two Phillips screws securing the battery cover to the back of the handheld console.
- Lift the battery cover off the back of the DSi XL.

Step 2



- Lift the battery from the DSi XL.

Step 3 — Lower Case



- Remove the four rubber screw covers on the lower case by prying them up with a push pin.

Step 4



- Remove the following seven Phillips screws that secure the lower case to the rest of the DSi XL:
 - Four silver 5.3 mm screws
 - Two black 5.3 mm screws
 - One black 2.5 mm screw

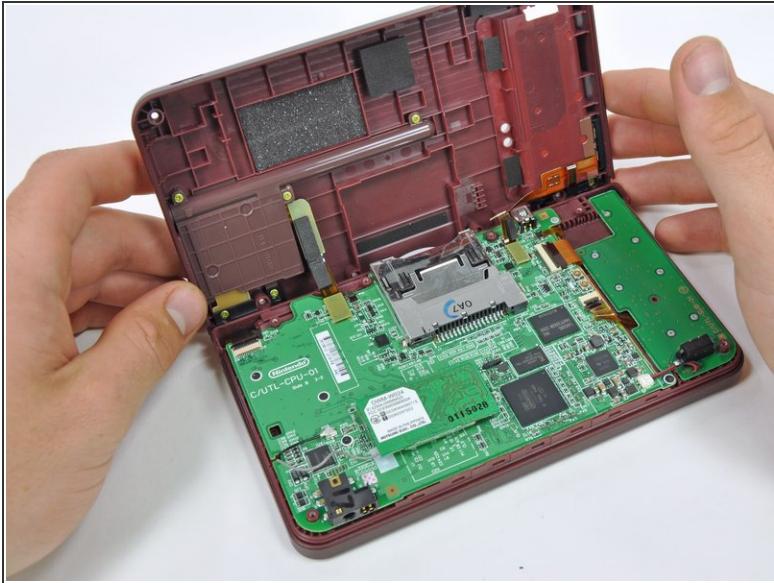
Step 5



① Turn the DSi XL over, and open the display.

- Insert a spudger between the upper and lower case at the bottom left corner of the DSi.
- Slide the spudger along the bottom edge of the upper case to release the latches securing the upper case to the lower case.

Step 6

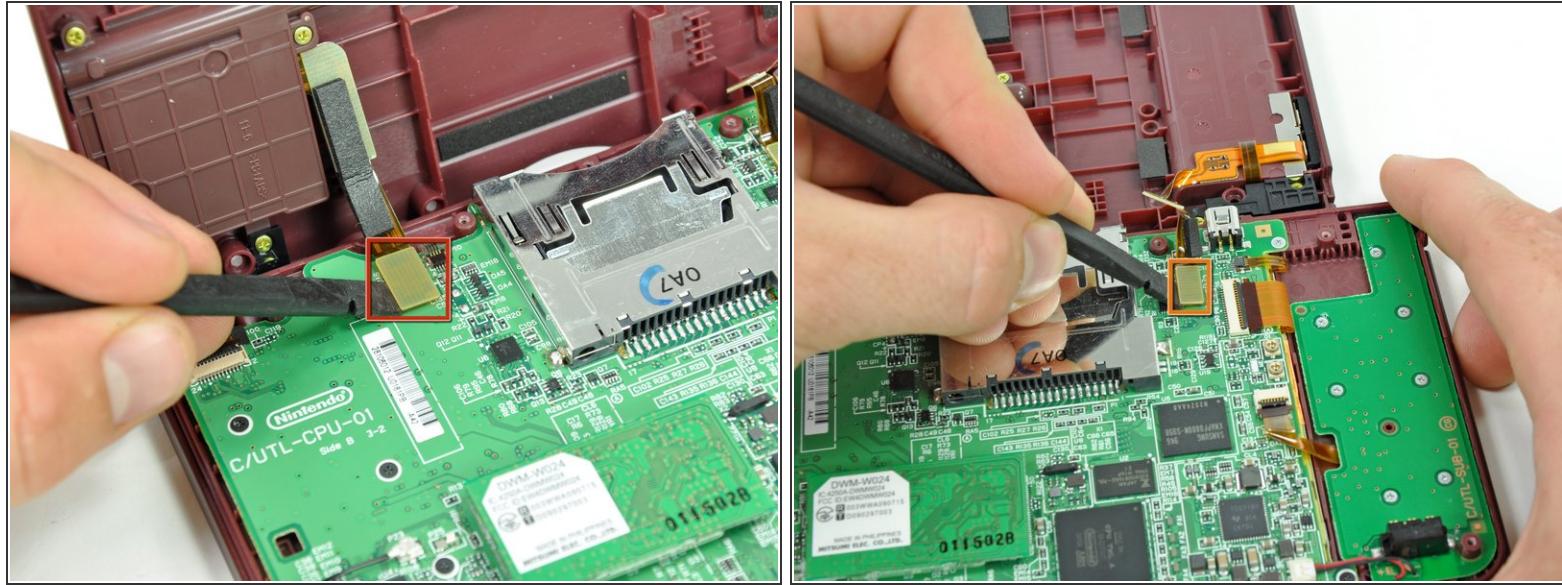


(i) Close the display and turn the DSi XL over.

- Lift the lower case from the front edge.
- Rotate the lower case away from the DSi.

(i) The lower case cannot be completely removed yet, since it is still connected to the motherboard.

Step 7



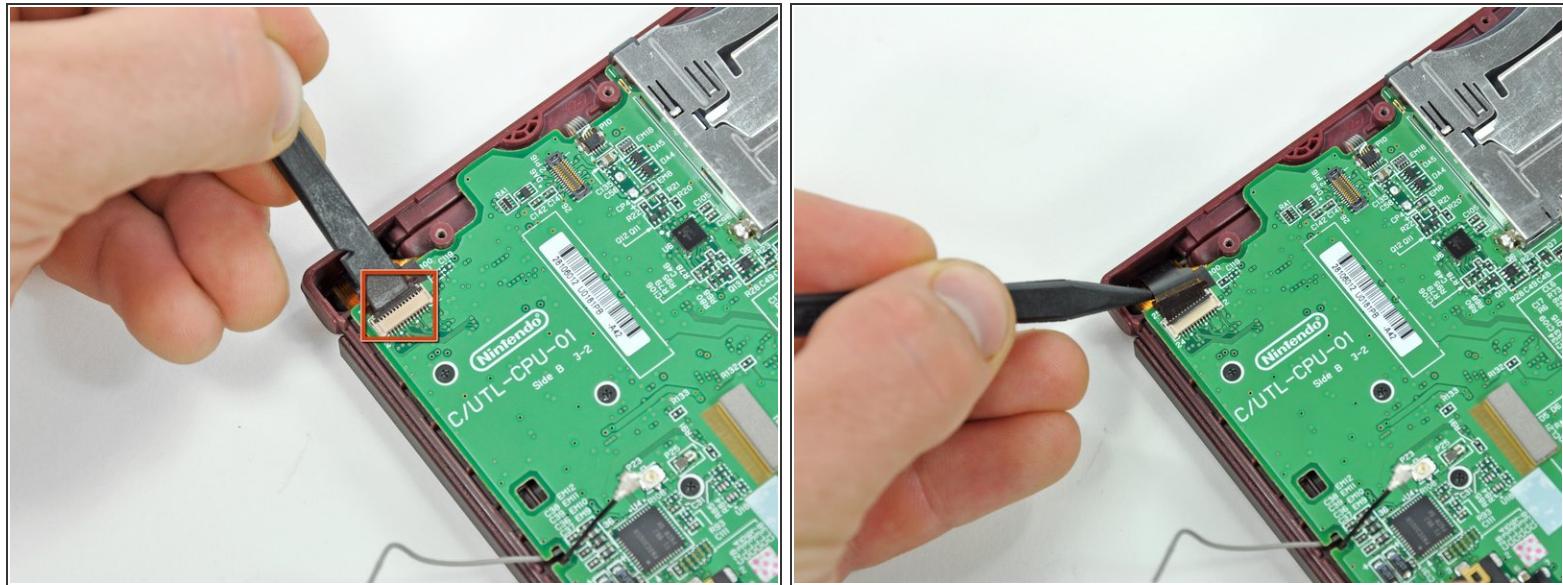
- Using a spudger, pry the SD card/right shoulder button connector off its socket.
- Pry the volume button/left shoulder button connector off its socket on the motherboard with a spudger.

Step 8 — Motherboard



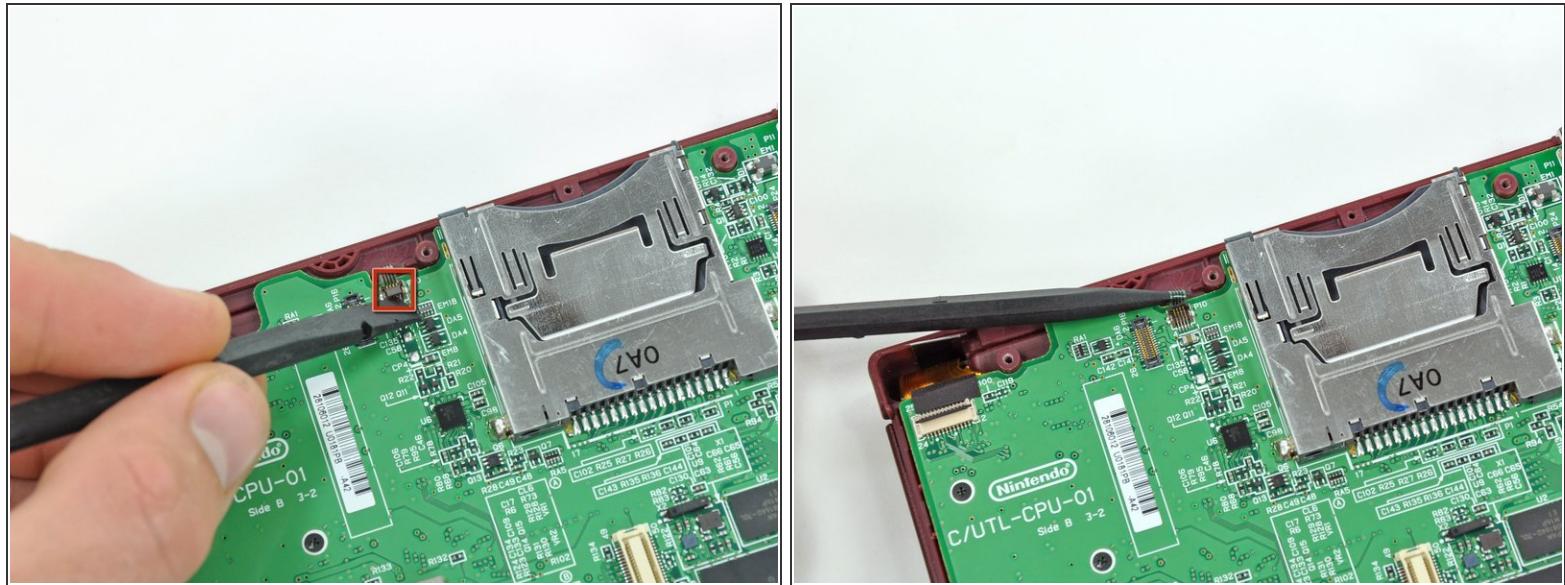
- Use a spudger to pry the microphone cable off the motherboard.
-  Pry from underneath the cable.

Step 9



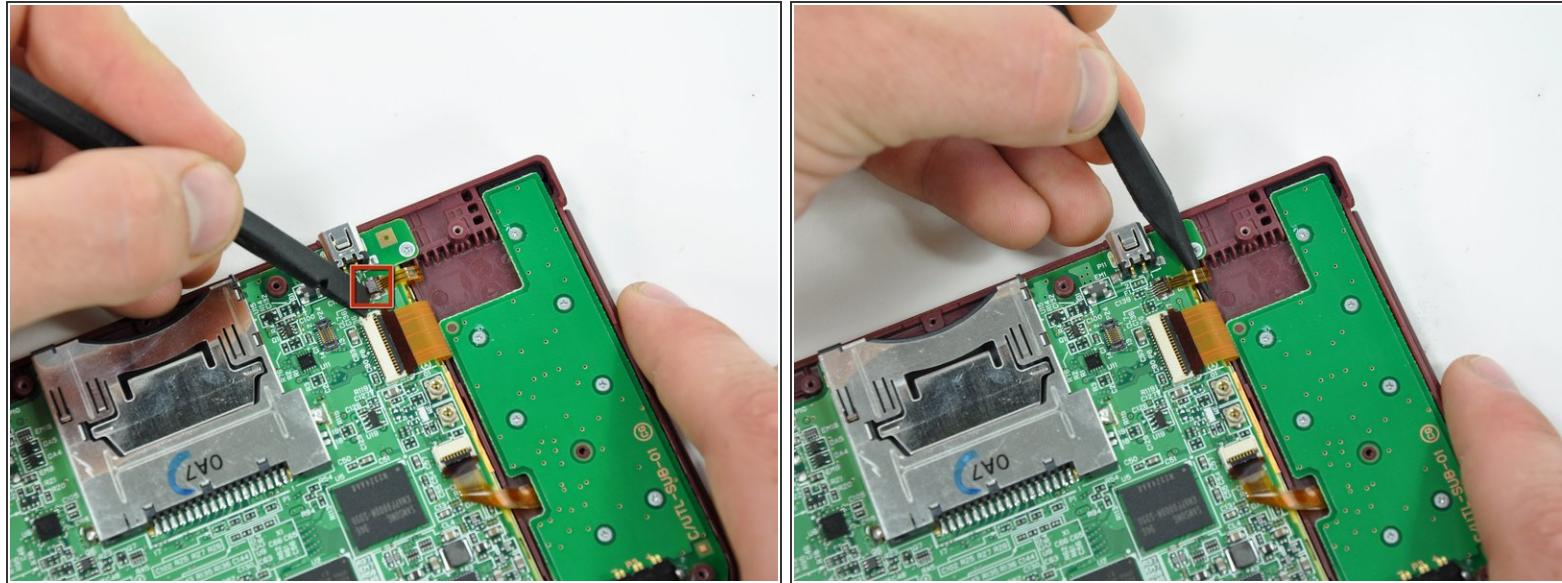
- Using the flat end of a spudger, flip up the retaining flap on the camera ribbon ZIF connector.
- Use the pointed end of a spudger to pull the camera ribbon from the ZIF connector.

Step 10



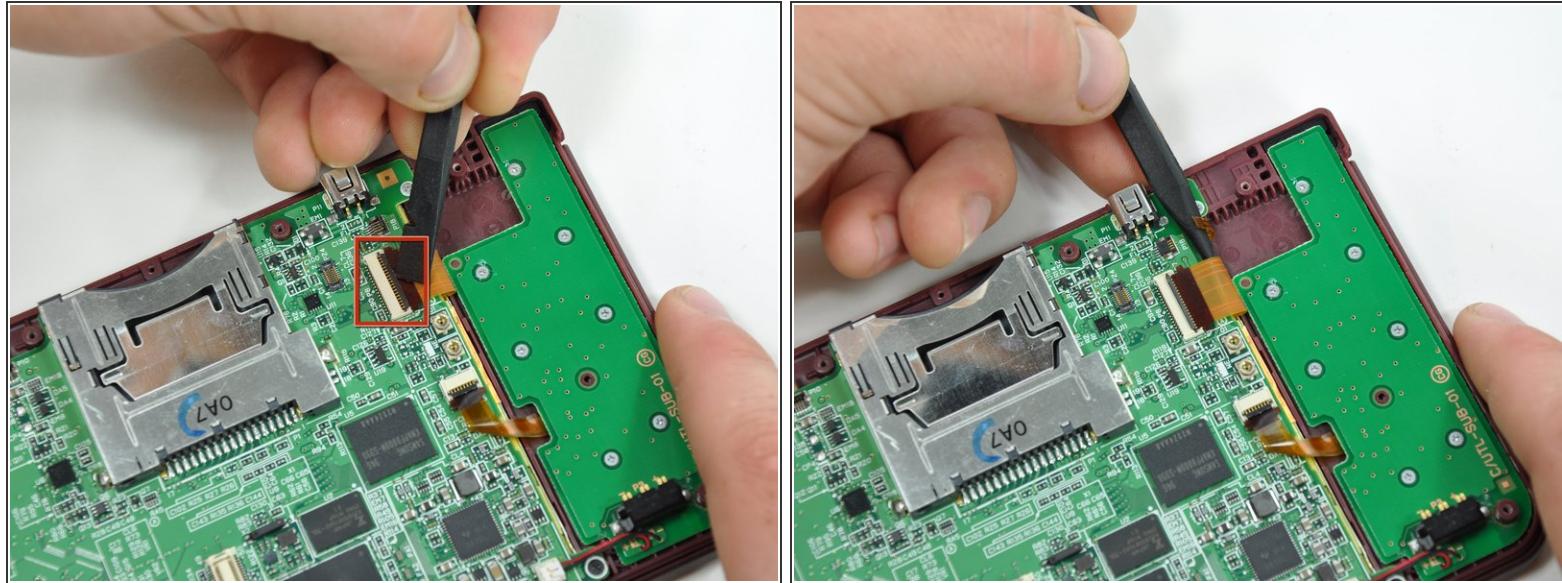
- Using the flat end of a spudger, flip up the retaining flap on the touchscreen cable ZIF connector.
- With the pointed end of the spudger, pull the touchscreen cable from its connector on the motherboard.

Step 11



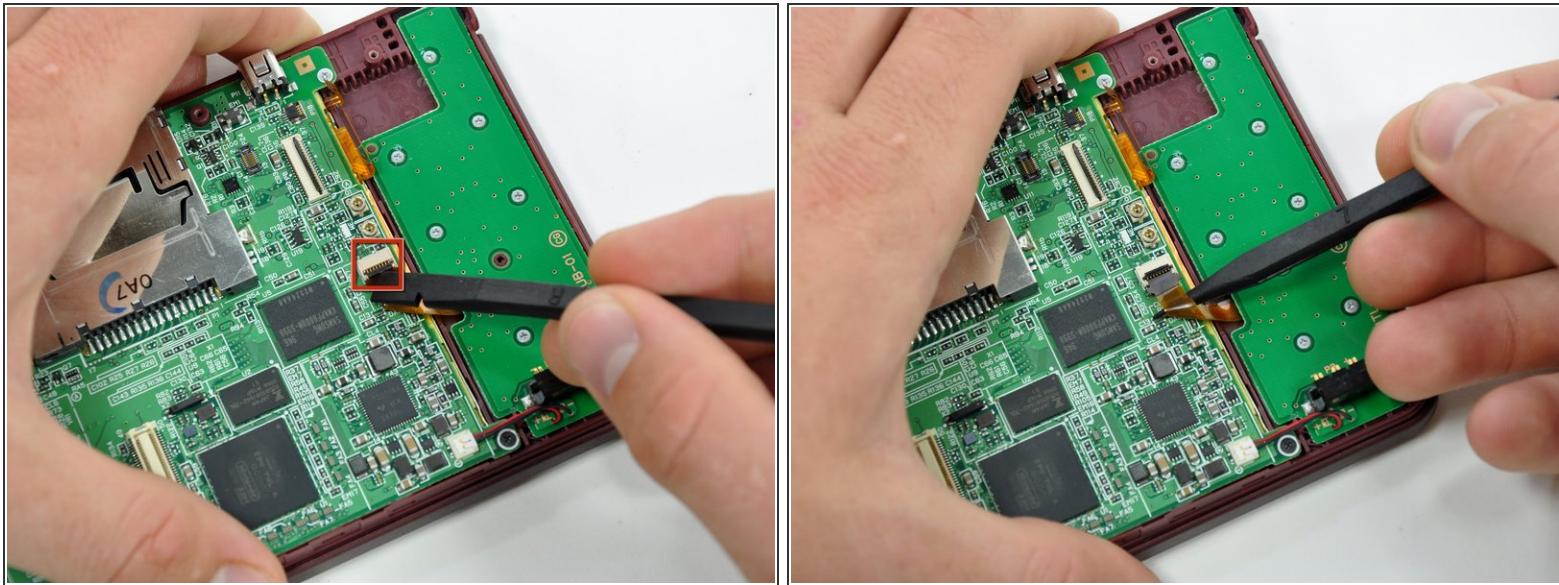
- Using the flat end of a spudger, flip up the retaining flap on the backlight cable ZIF connector.
- With the pointed end of the spudger, pull the backlight cable from its connector on the motherboard.

Step 12



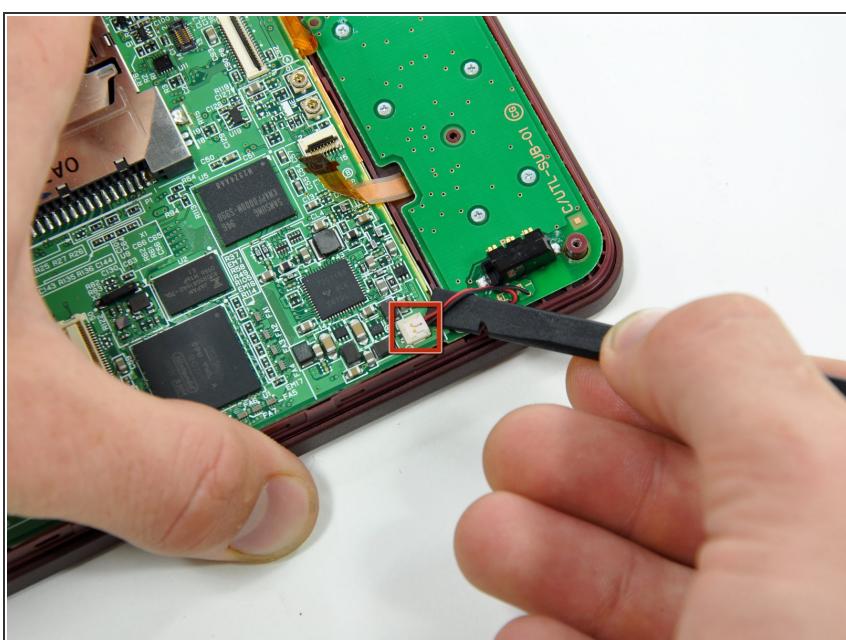
- Using the flat end of a spudger, flip up the retaining flap on the lower display data cable ZIF connector.
- With the pointed end of the spudger, pull the lower display data cable from its connector on the motherboard.

Step 13



- Using the flat end of a spudger, flip up the retaining flap on the ZIF connector for the D-Pad/power button cable.
- With the pointed end of the spudger, pull the D-Pad/power button cable from its connector on the motherboard.

Step 14



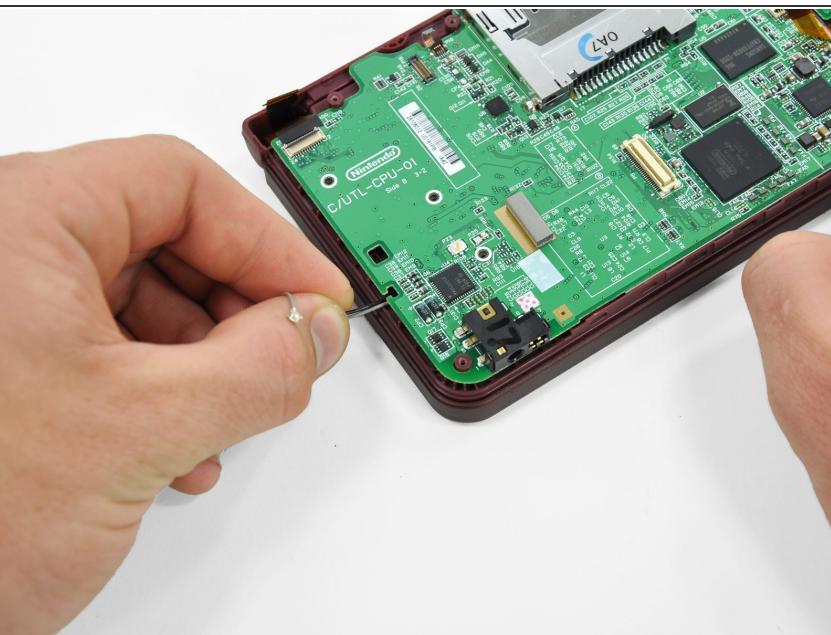
- Using the flat end of the spudger, pry the battery cable up off its socket on the motherboard.

Step 15



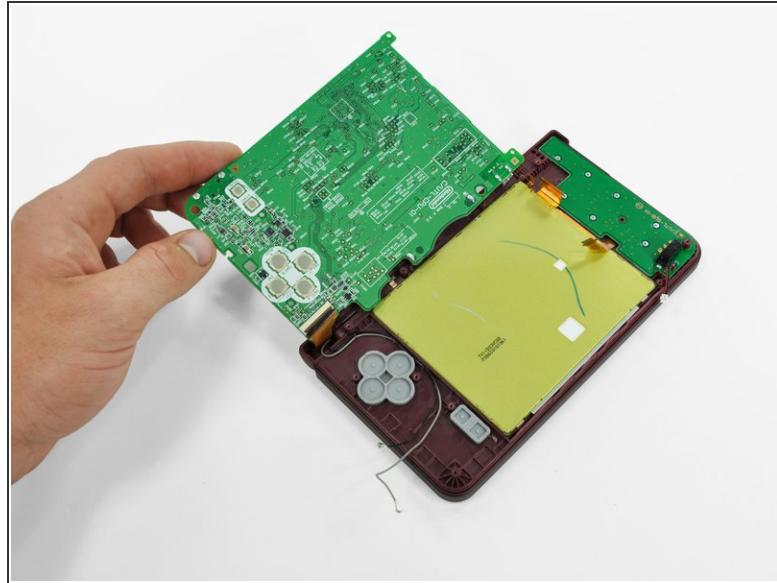
- Remove the screws securing the motherboard to the upper case:
 - A single 2.5 mm silver Phillips screw
 - Four 3.7 mm black Phillips screws

Step 16



- Deroute the microphone and antenna cables through the slot in the motherboard.

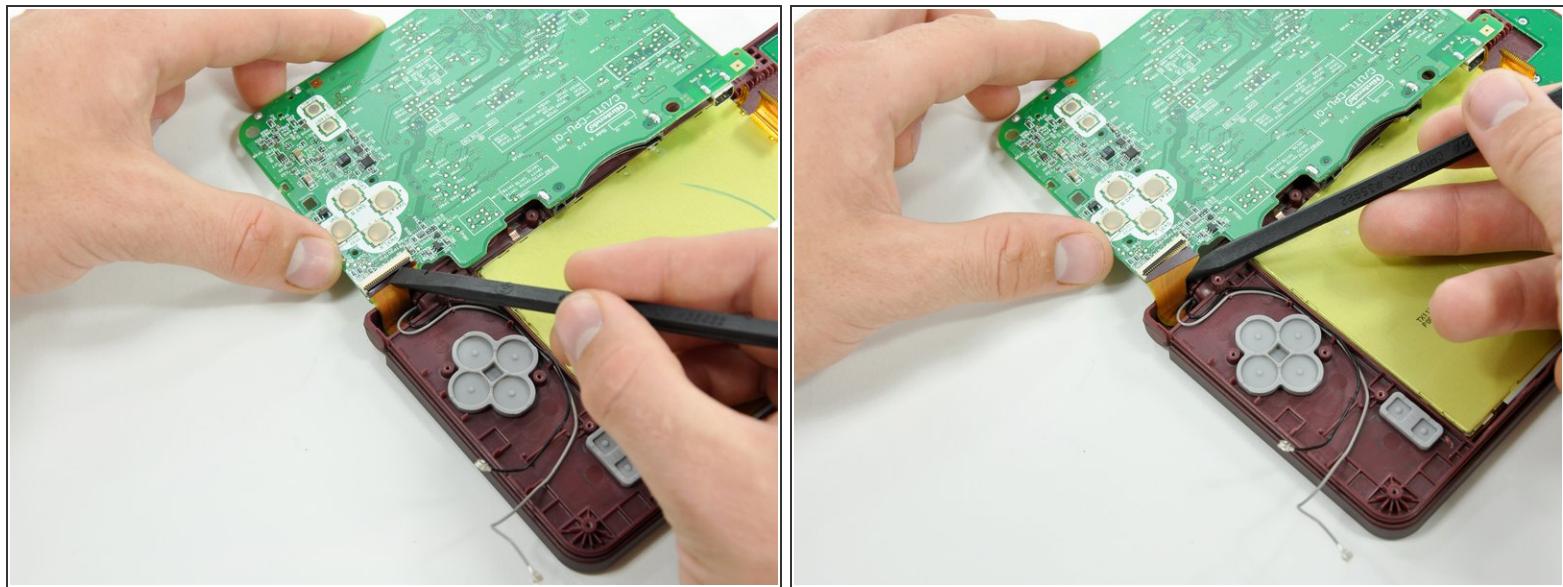
Step 17



- Rotate the motherboard off the lower case.

(i) The motherboard cannot be completely removed yet. It is still attached by the upper LCD's display data ribbon cable.

Step 18



- Using the flat end of a spudger, flip up the retaining flap on the upper display data cable ZIF connector.
- With the pointed end of the spudger, pull the upper display data cable from its connector on the underside of the motherboard.

(i) The motherboard is now free from the upper case.

Step 19 — Lower Display Assembly



- With the console still upside-down, open the DSi XL slightly.
- Push the lower display away from the upper case.
- Remove the lower display from the DSi XL.

Step 20 — Rear Bezel



- Turn the DSi XL over and open the display.

 When re-assembling the device, be sure to re-install the ABXY and Start/Select buttons, as they are likely to fall out once the handheld console is turned over.

- Use a pushpin to remove the four plastic screw covers on the front bezel.

Step 21



- Remove the four 3.5 mm silver Phillips screws securing the rear bezel to the front bezel.

Step 22



- Using two hands, gently slide the rear bezel upwards.

(i) The rear bezel will move only about 2 mm.

Step 23



- Insert a spudger into the gap between the front and rear bezel.
- Rotate the spudger away from the DSi XL, prying the two bezels apart.

Step 24



- In the same manner as described above, continue prying along the top edge of the front and rear bezels.

Step 25



- Separate the rear bezel from the front bezel.

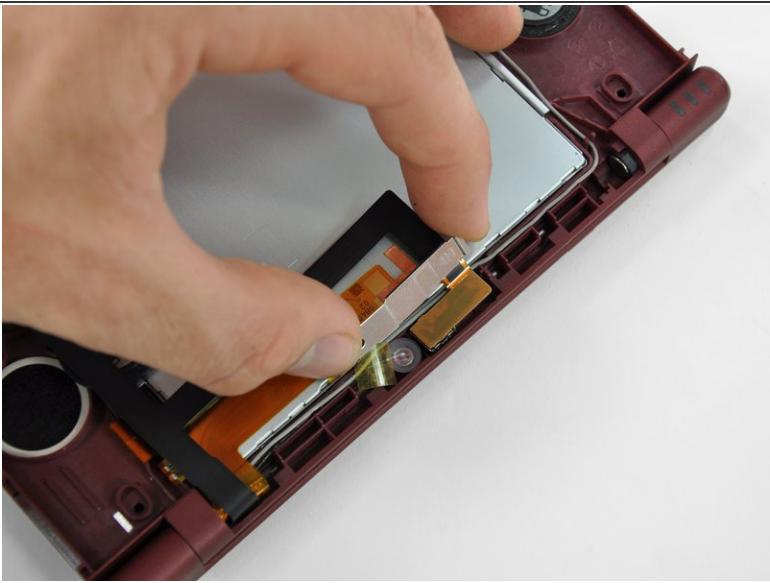
⚠ Do not attempt to completely remove the rear bezel yet. It is still attached to the front bezel by the rear-facing camera.

Step 26



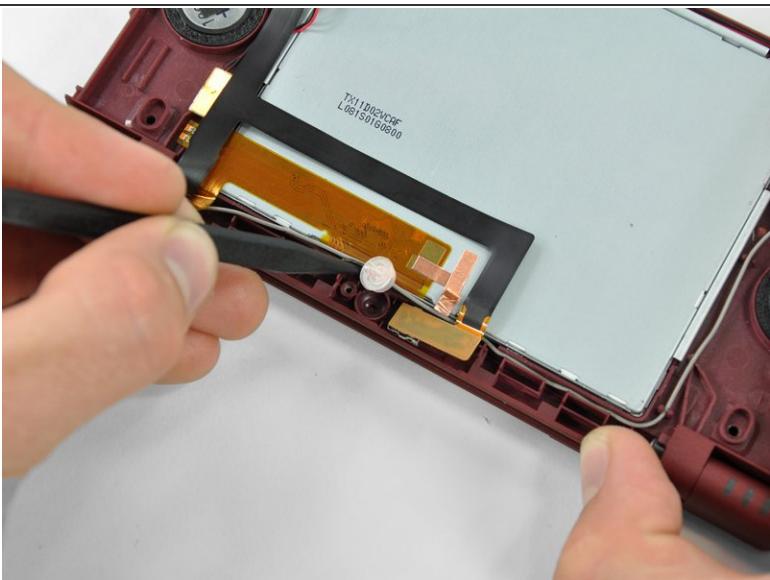
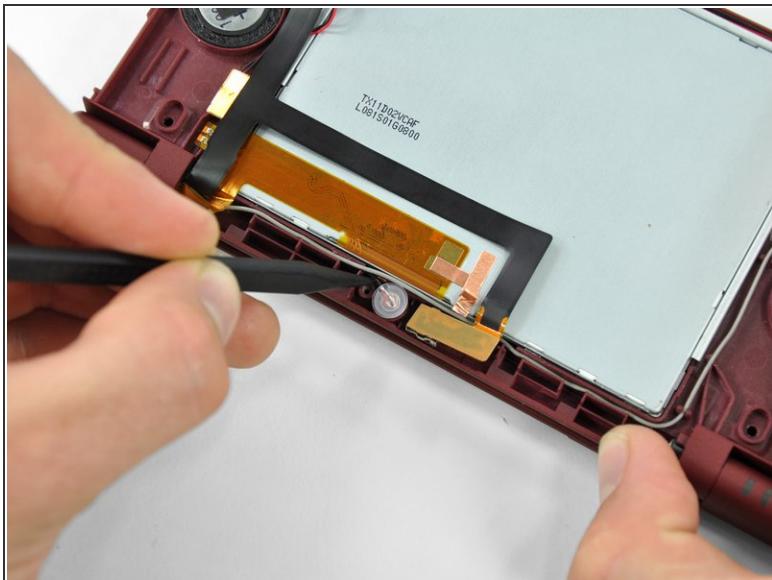
- Using the flat end of a spudger, pry the rear camera off the rear bezel.
- Remove the rear bezel.

Step 27 — Microphone



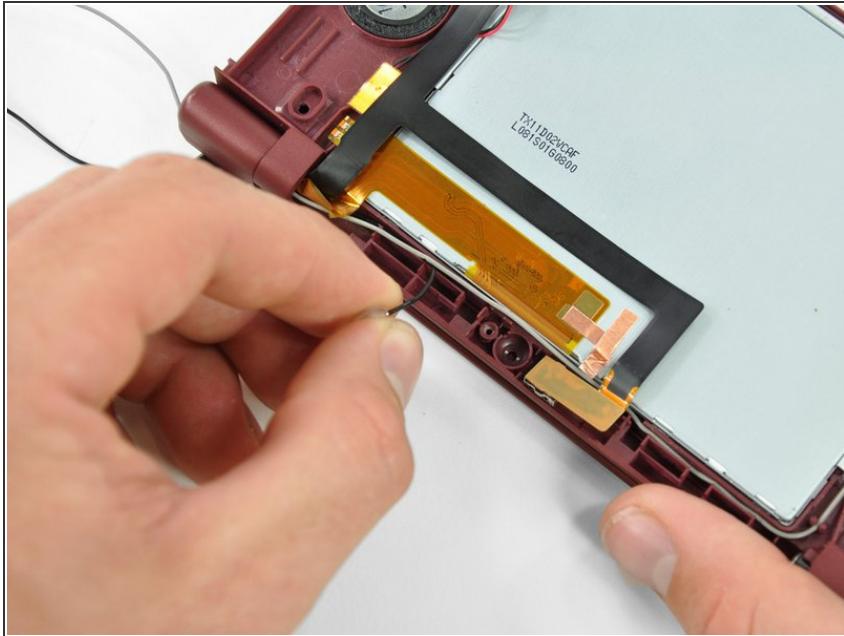
- Remove the Phillips screw holding the metal securing bracket in place.
- Lift the metal bracket off the camera.

Step 28



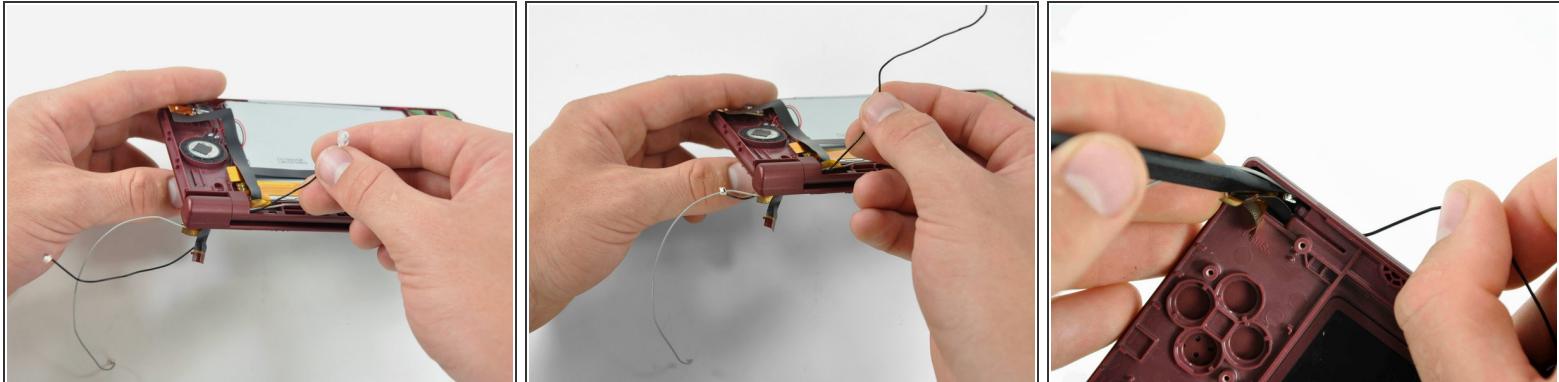
- Use the tip of a spudger to lift the microphone from its seat on the front display bezel.

Step 29



- De-route the microphone cable.

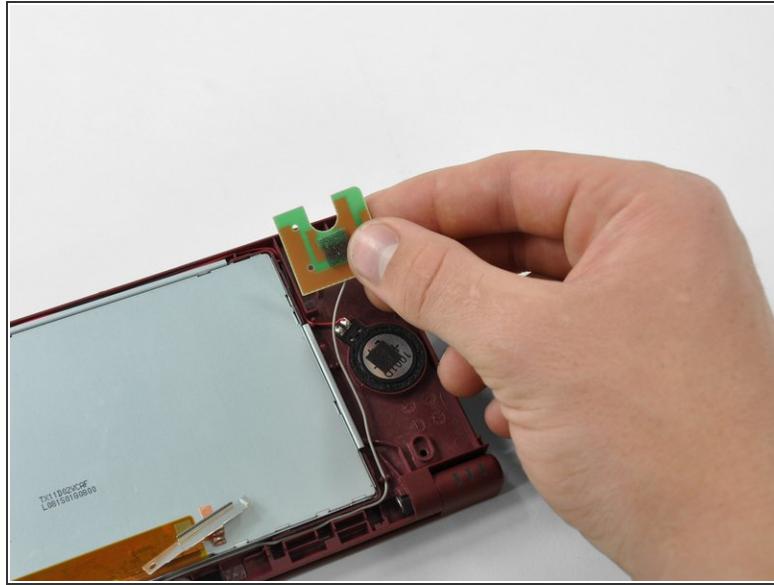
Step 30



- Pull the microphone cable through the right hinge connecting the front bezel and upper case.
- Use the pointed end of a spudger to guide the connector at the end of the microphone cable through the hinge.

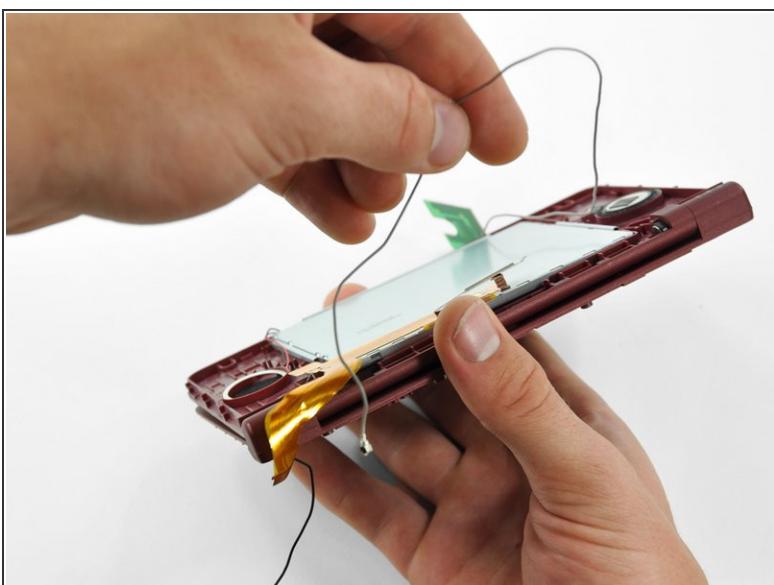
➡ To replace the microphone, use a pair of tweezers to guide the connector through the hinge.

Step 31 — Wi-Fi Antenna



- Lift the Wi-Fi antenna off the front display bezel.
- De-route the Wi-Fi antenna cable from its grooves at the bottom of the front display bezel.

Step 32



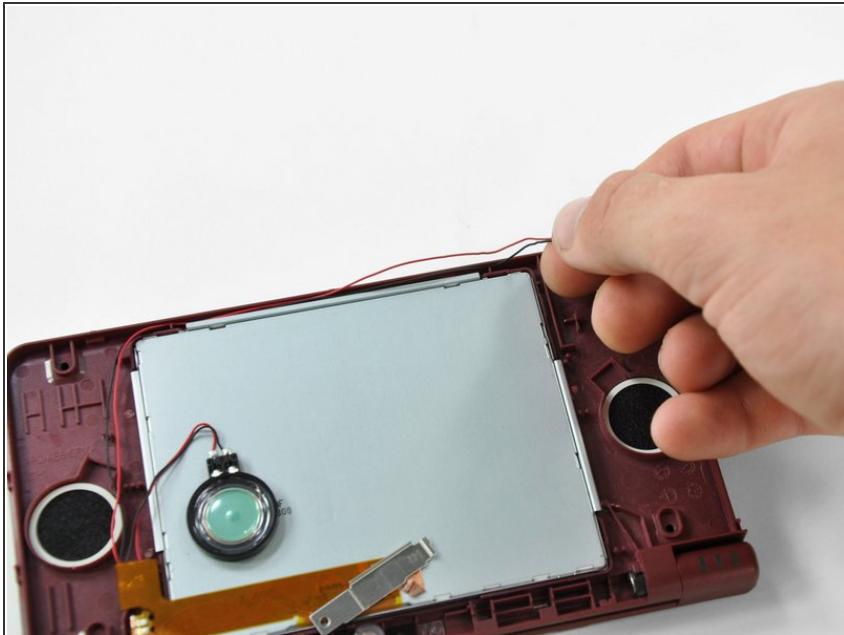
- Pull the Wi-Fi antenna cable through the right hinge connecting the front bezel and upper case.

Step 33 — Upper Display Assembly



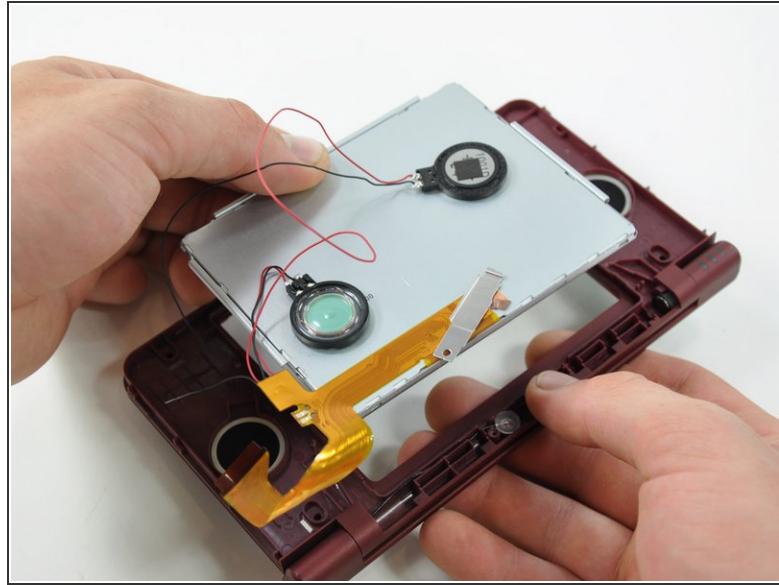
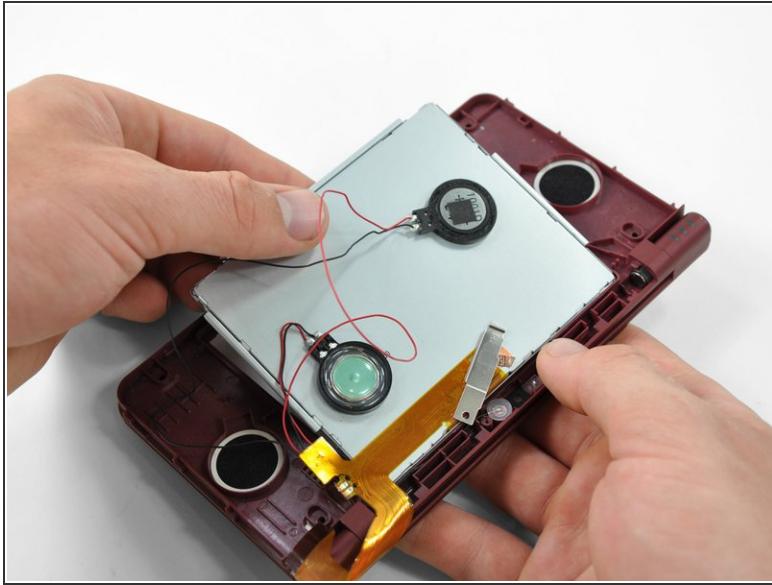
- Lift both of the speakers from their seats on the front display bezel.

Step 34



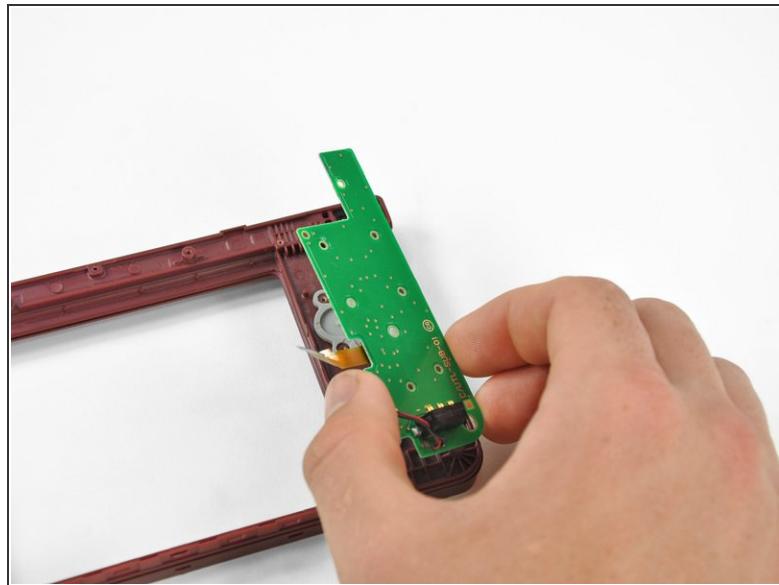
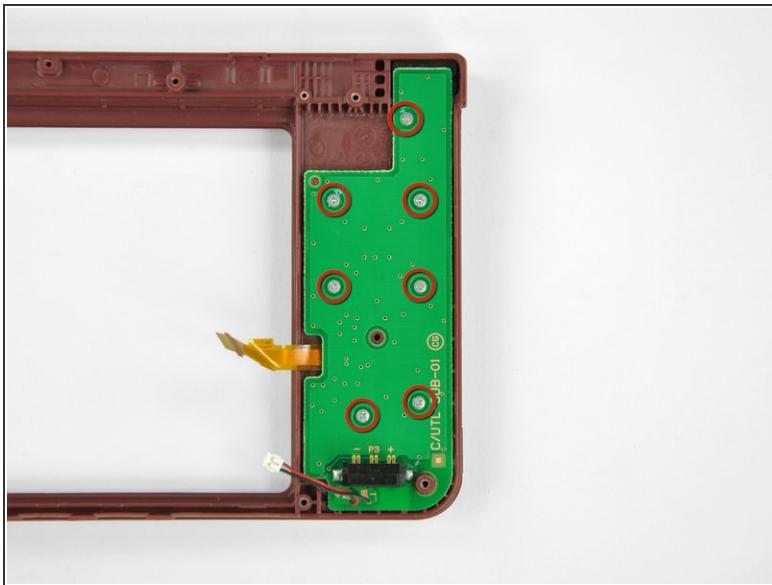
- De-route the speaker wires that run above the upper display screen.

Step 35



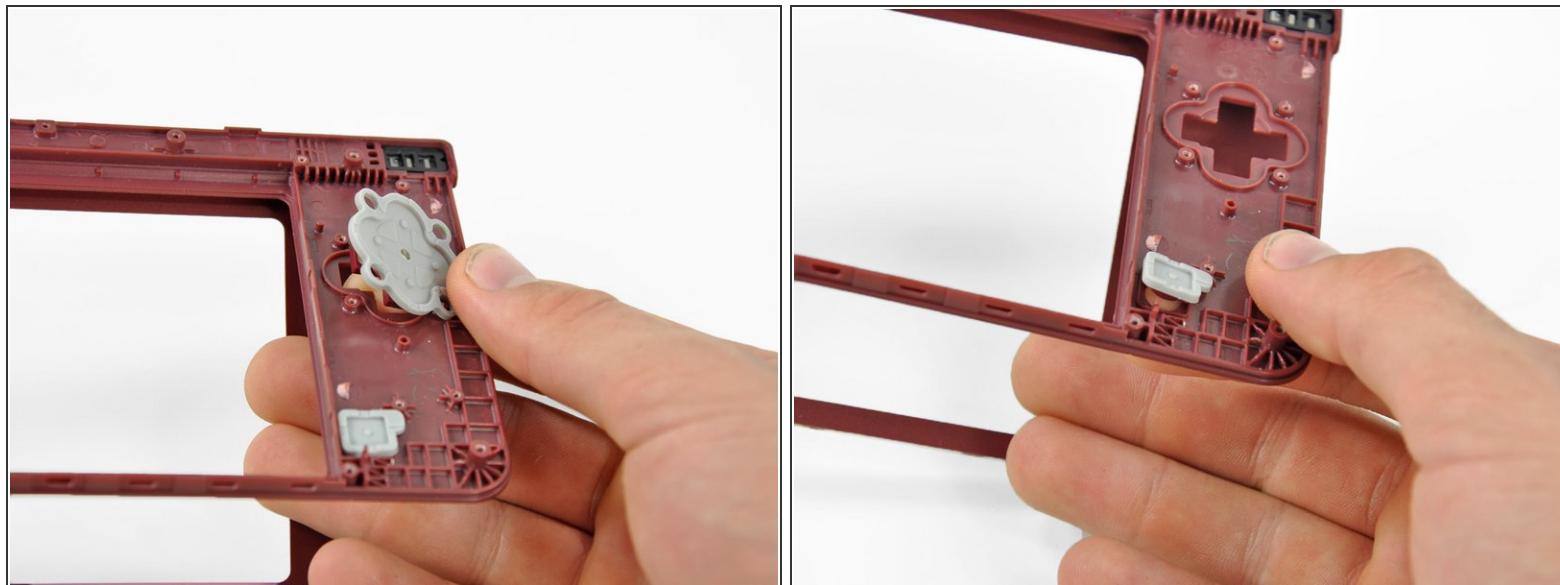
- Remove the upper display assembly.

Step 36 — Upper Case



- Remove the seven 2.5 mm silver screws securing the power board to the upper case.
- Lift the power board off the upper case.

Step 37



- Open the case slightly.
- Push the directional pad up through the upper case and remove it from the upper case.
- Push the power button up through the upper case, and remove it from the upper case.

Step 38



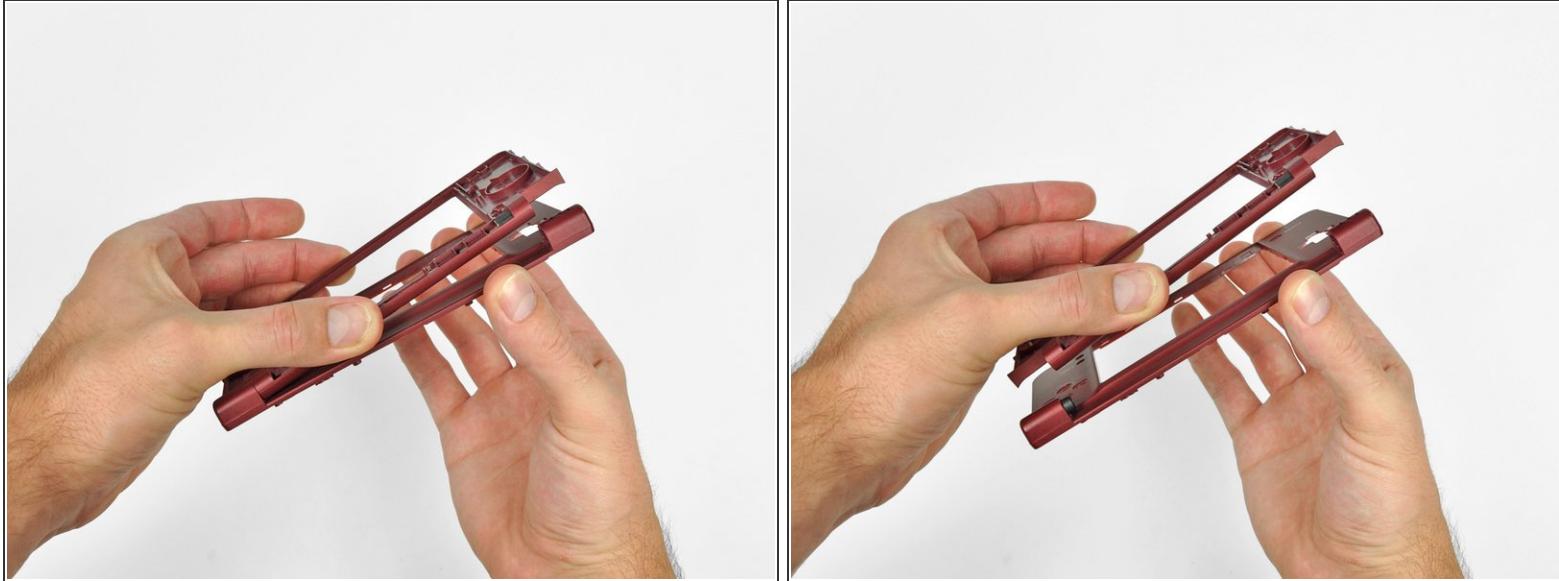
- Remove the LED diffuser and black retaining bracket by turning the upper case upside-down and letting both pieces fall into your hand.

Step 39



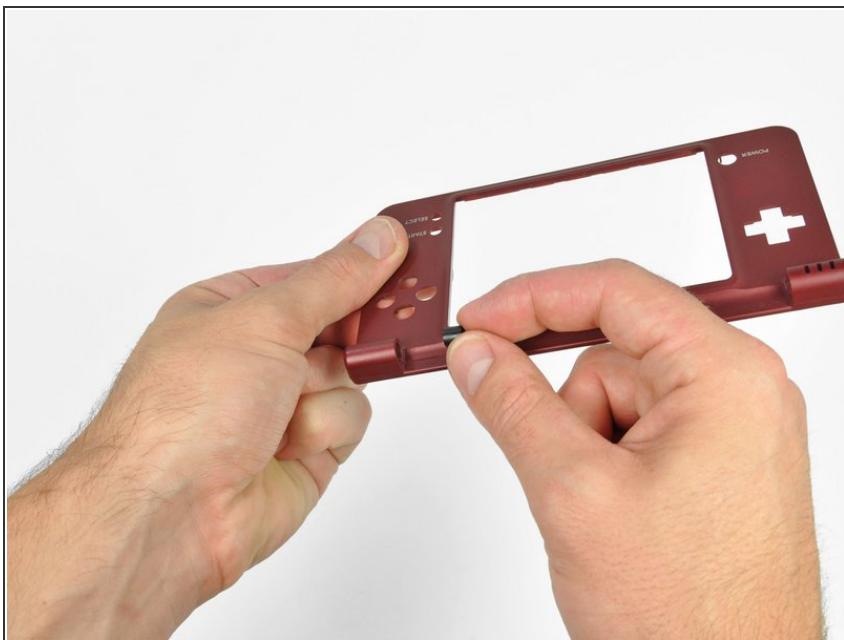
- ⓘ The front bezel is held in place by the clutch hinge on the left side of the DSi XL-L.
 - Using the tip of the spudger, push the clutch hinge to the left.
- ⓘ You will hear a "click" when the clutch has been completely displaced. Some force will be required.

Step 40



- Lift the front bezel off of the upper case, tilting the left side of the front bezel away from the upper case first.

Step 41



- Remove the hollow hinge pin from the right side of the DSi XL.
- The upper case remains.

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

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