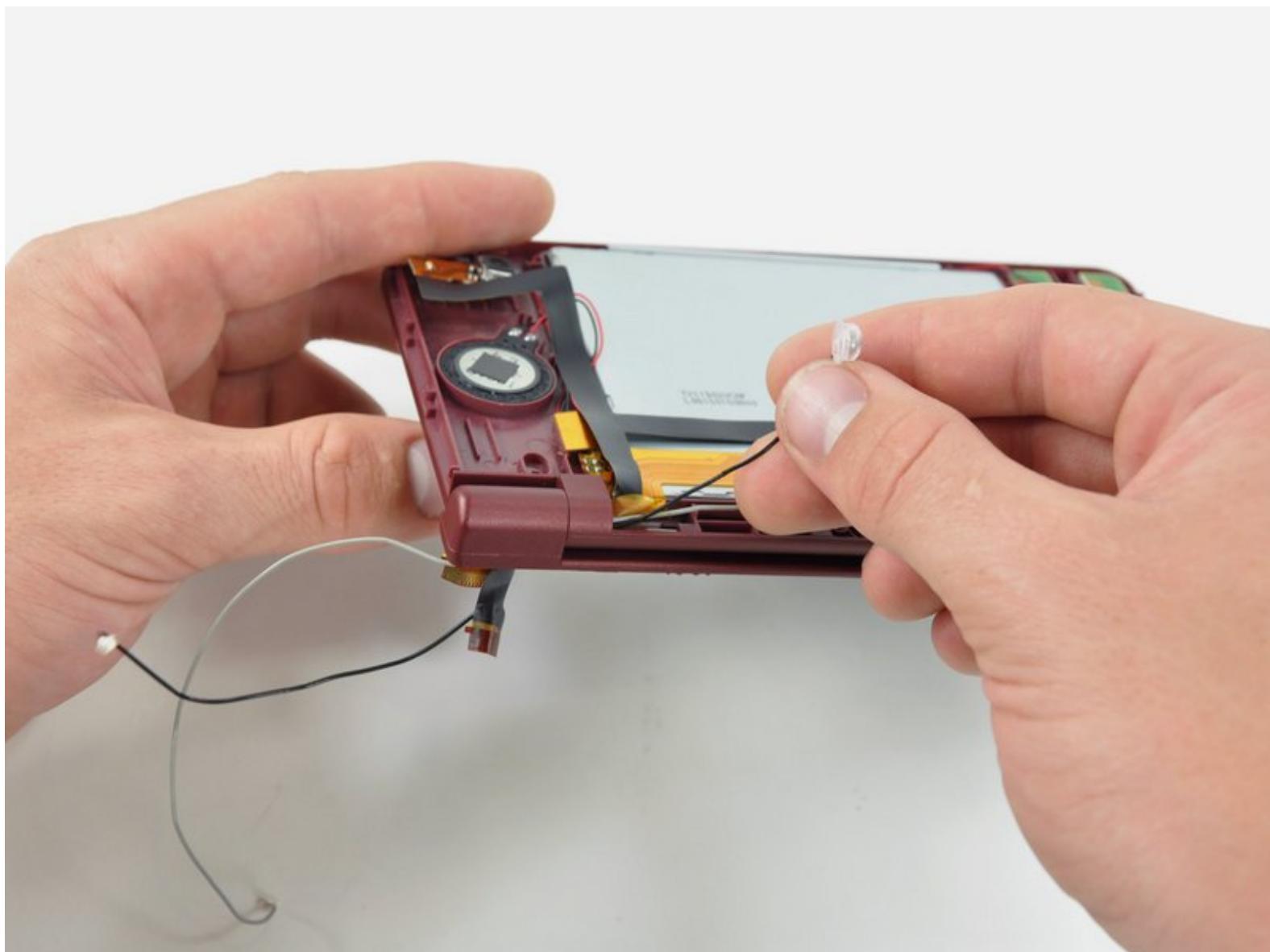




Nintendo DSi XL Microphone Replacement

Microphone replacement.

Written By: David Hodson



INTRODUCTION

Use this guide to replace a faulty microphone in your DSi XL.

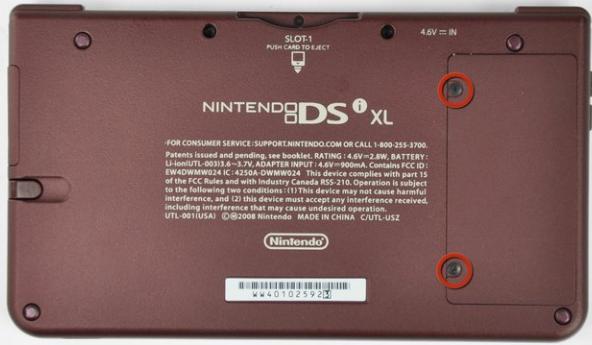
TOOLS:

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

PARTS:

- [Nintendo DSi XL Microphone](#) (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

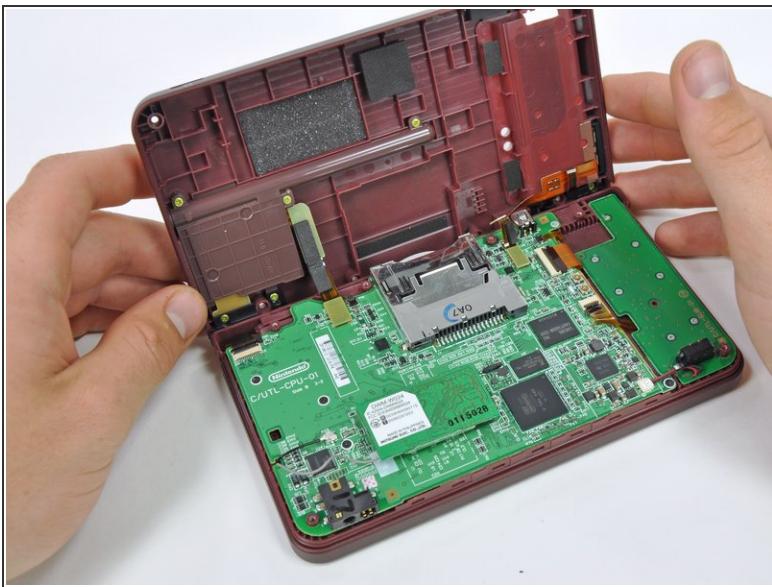
Step 5



(i) 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

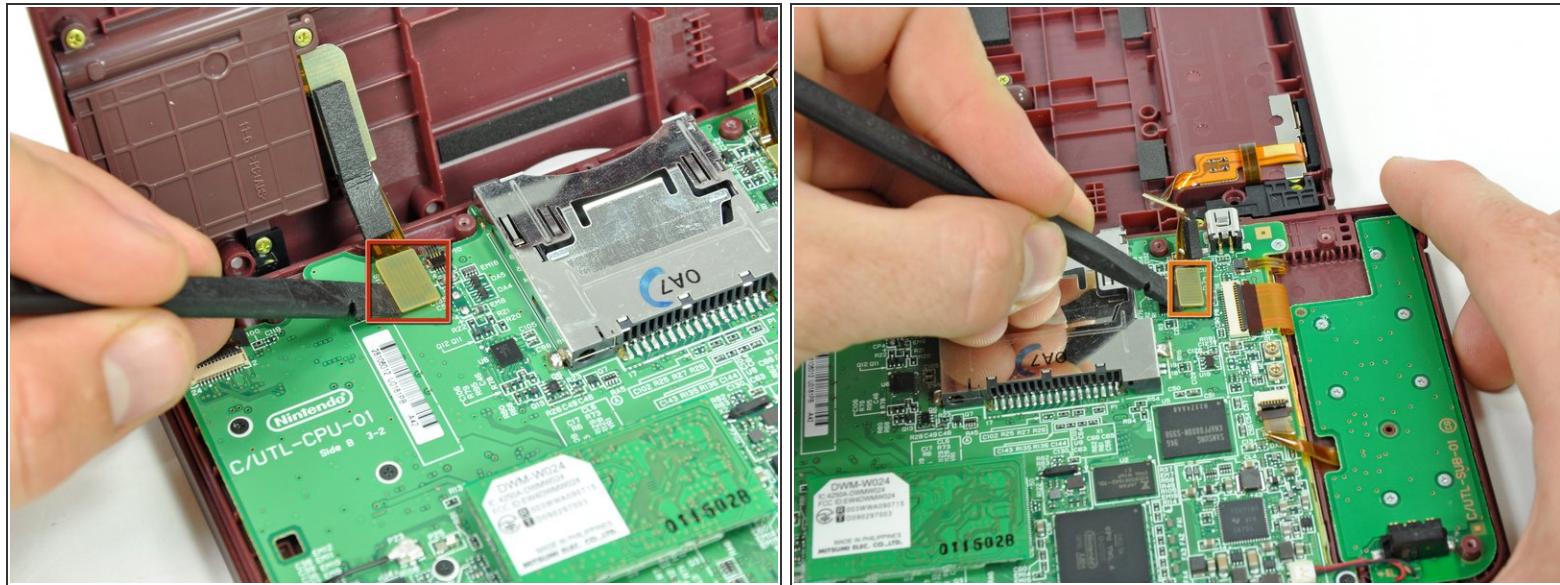


(i) Close the display and turn the DSi XL over.

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

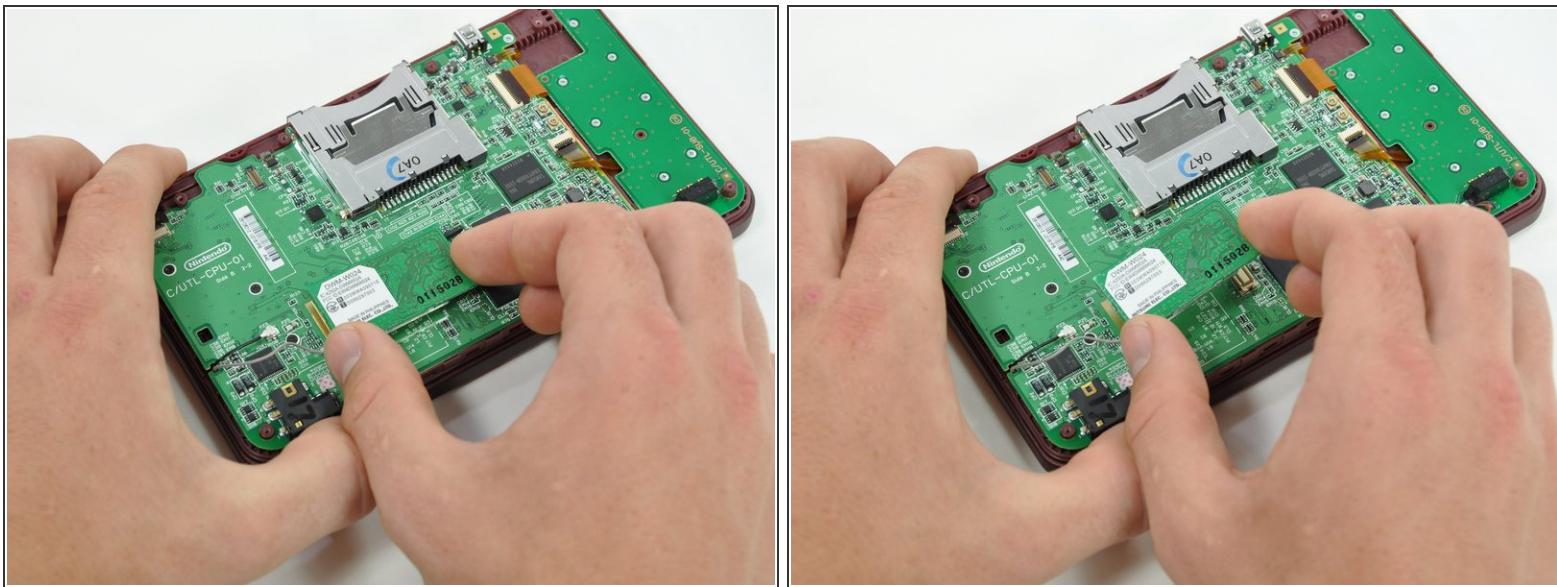
(i) The lower case cannot be completely removed yet, since it is still connected to the motherboard.

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.

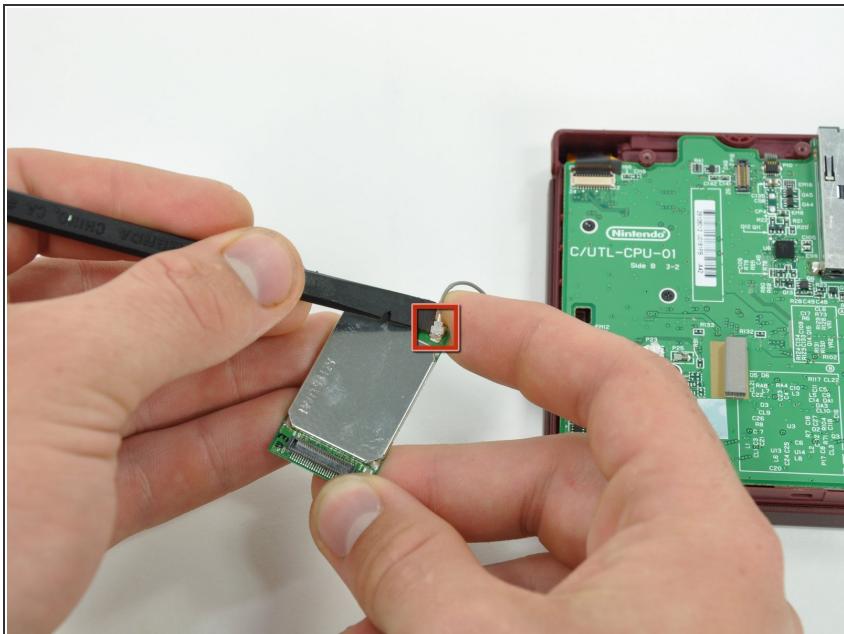
Step 8 — Wi-Fi Board



- Lift the Wi-Fi board up off its socket on the motherboard.

⚠ Do not attempt to completely remove the Wi-Fi board yet. It is attached to the motherboard by an antenna cable.

Step 9



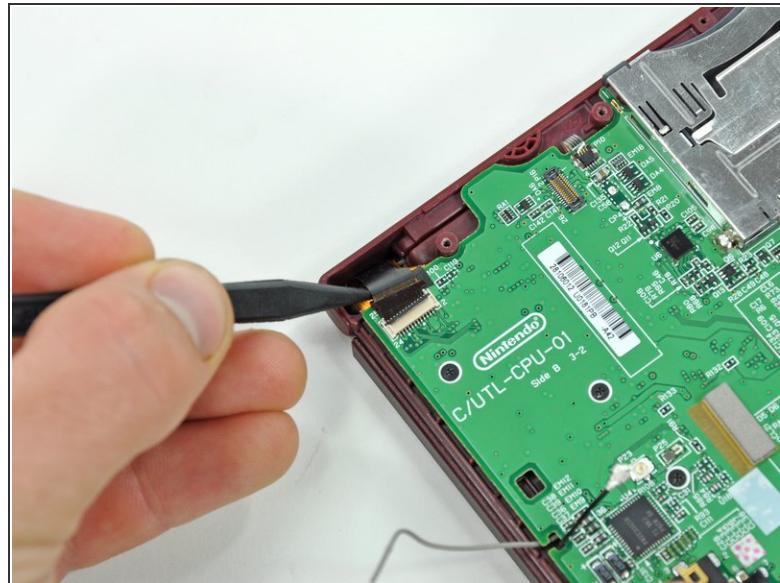
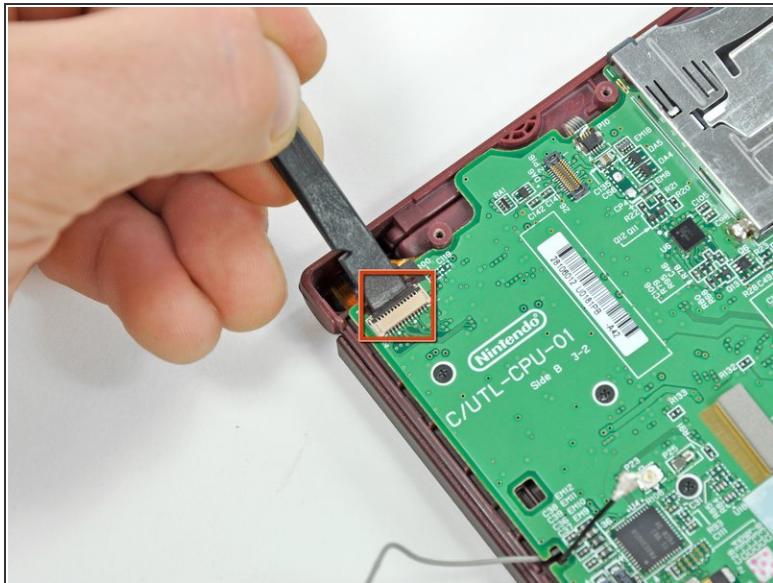
- Use a spudger to pry the Wi-Fi cable off its socket on the underside of the Wi-Fi board.

Step 10 — Motherboard



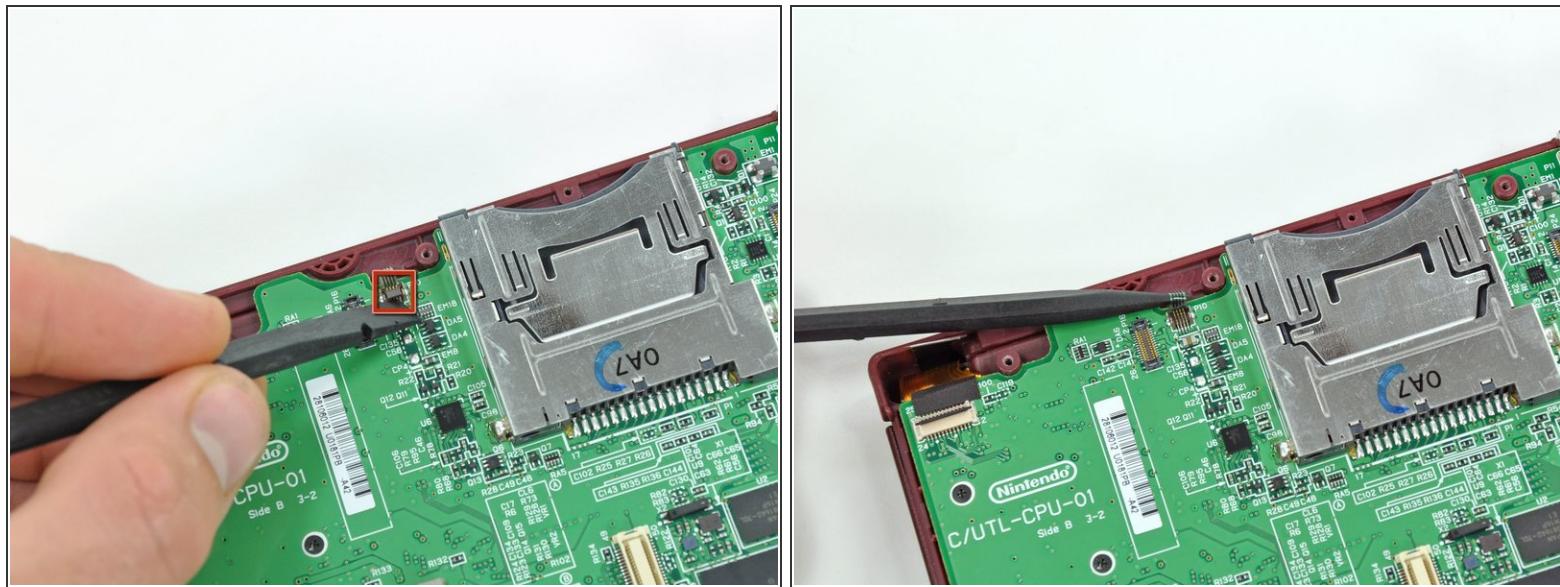
- Use a spudger to pry the microphone cable off the motherboard.
- *(i)* Pry from underneath the cable.

Step 11



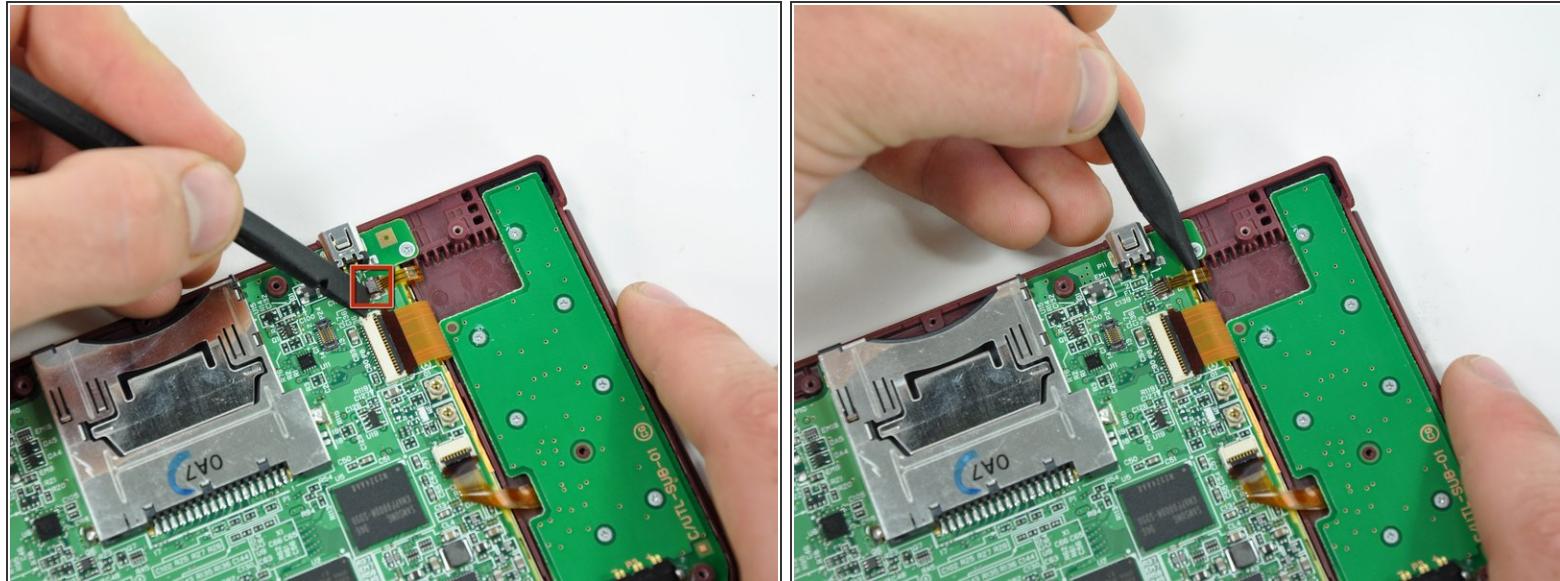
- Using the flat end of a spudger, flip up the retaining flap on the camera ribbon ZIF connector.
- Use the pointed end of a spudger to pull the camera ribbon from the ZIF connector.

Step 12



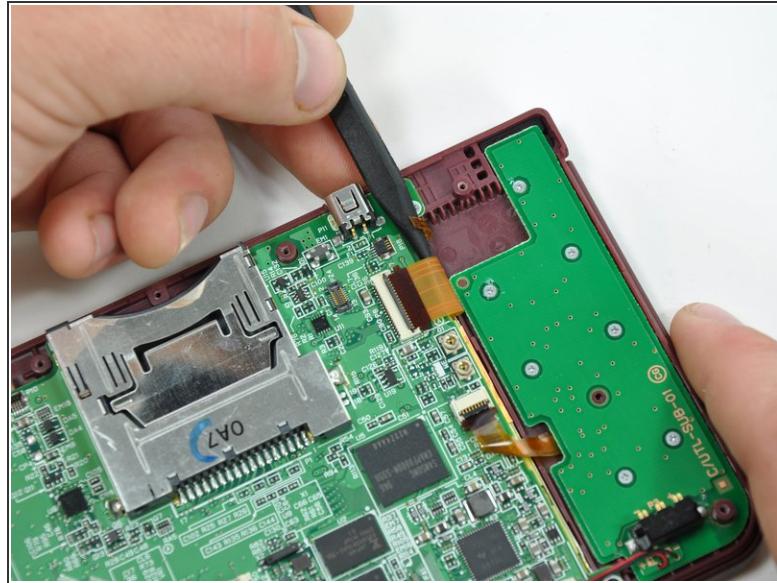
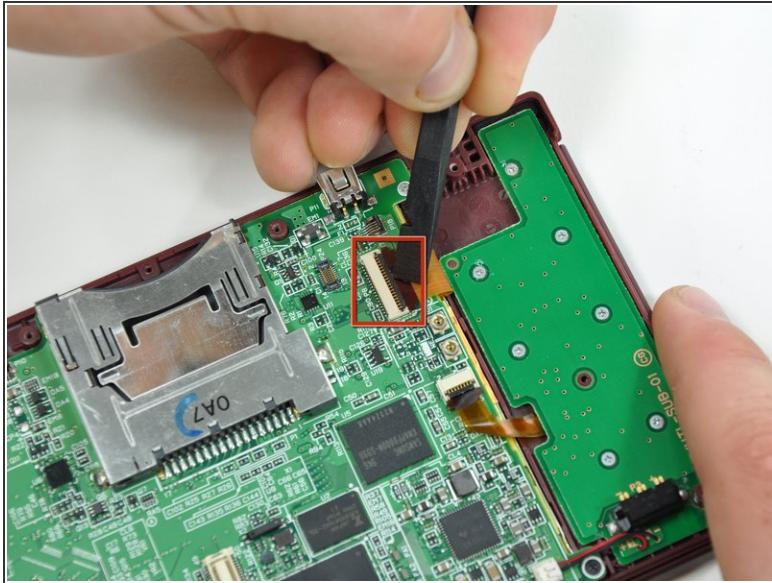
- Using the flat end of a spudger, flip up the retaining flap on the touchscreen cable ZIF connector.
- With the pointed end of the spudger, pull the touchscreen cable from its connector on the motherboard.

Step 13



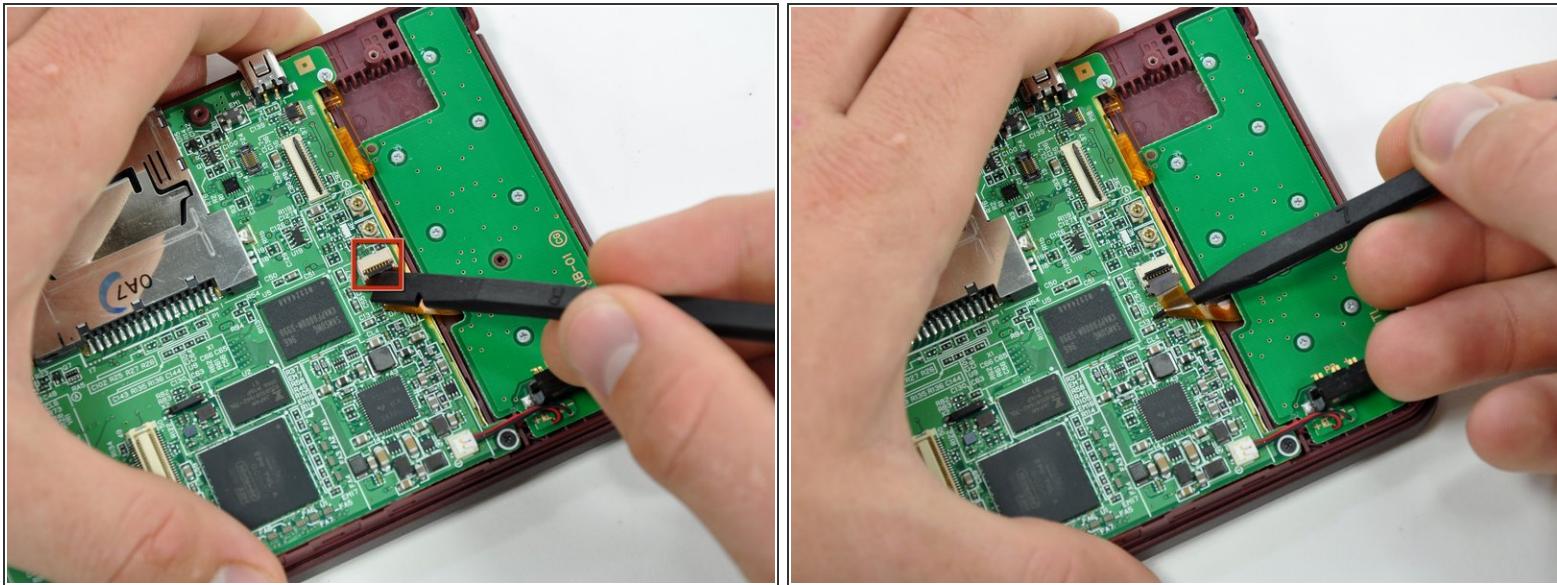
- Using the flat end of a spudger, flip up the retaining flap on the backlight cable ZIF connector.
- With the pointed end of the spudger, pull the backlight cable from its connector on the motherboard.

Step 14



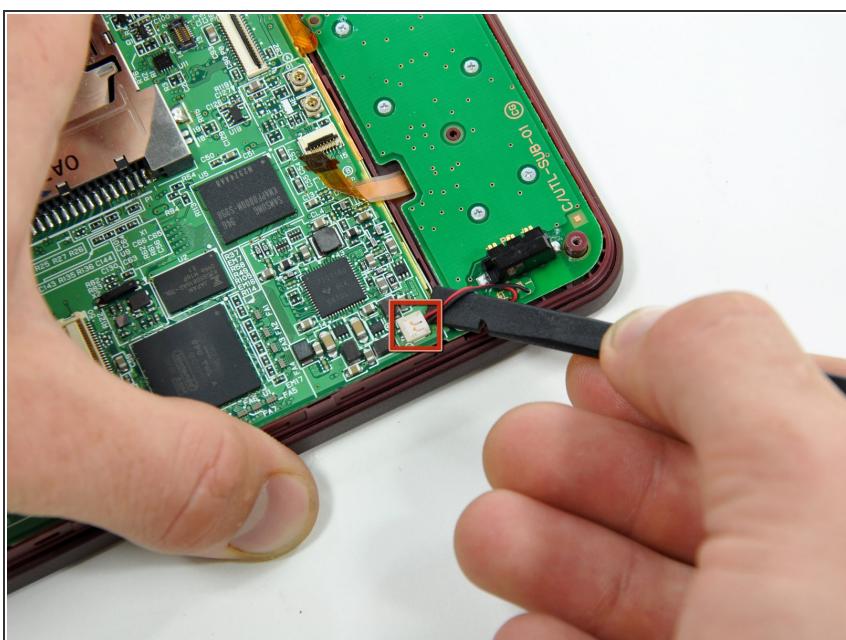
- Using the flat end of a spudger, flip up the retaining flap on the lower display data cable ZIF connector.
- With the pointed end of the spudger, pull the lower display data cable from its connector on the motherboard.

Step 15



- 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 16



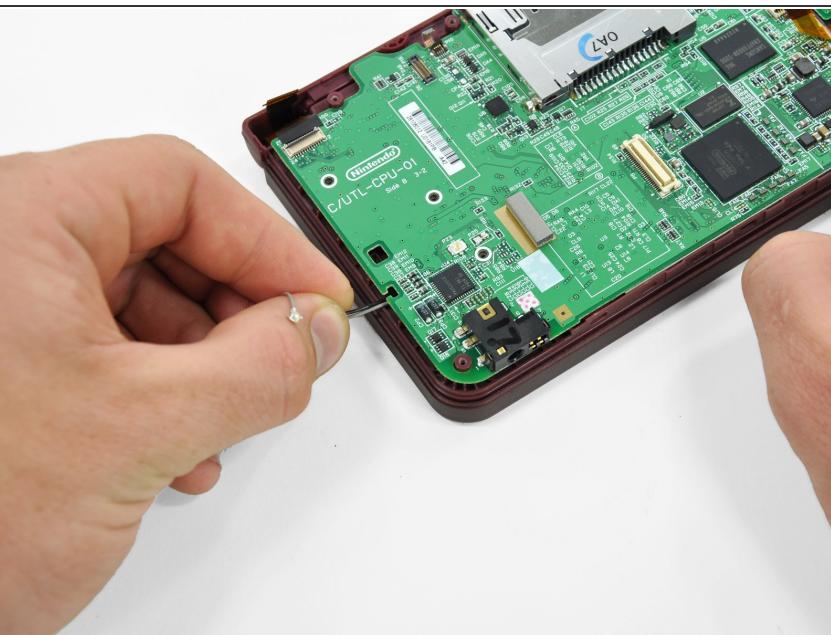
- Using the flat end of the spudger, pry the battery cable up off its socket on the motherboard.

Step 17



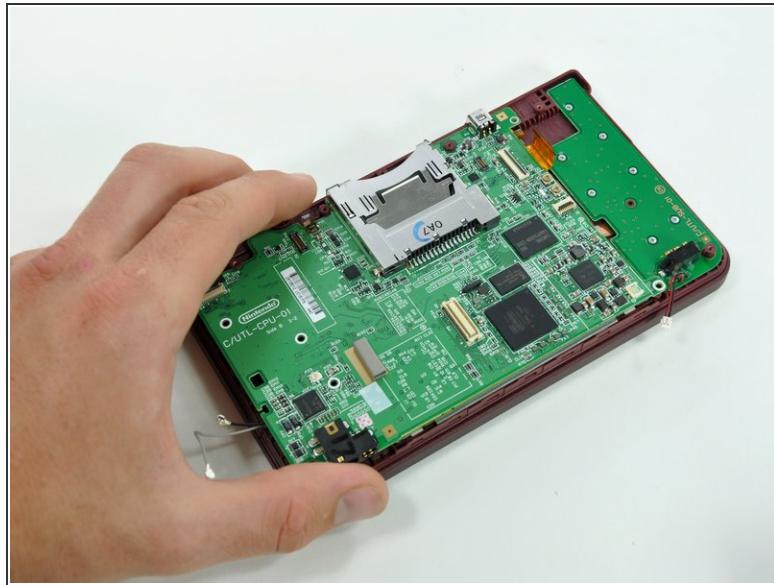
- Remove the screws securing the motherboard to the upper case:
 - A single 2.5 mm silver Phillips screw
 - Four 3.7 mm black Phillips screws

Step 18



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

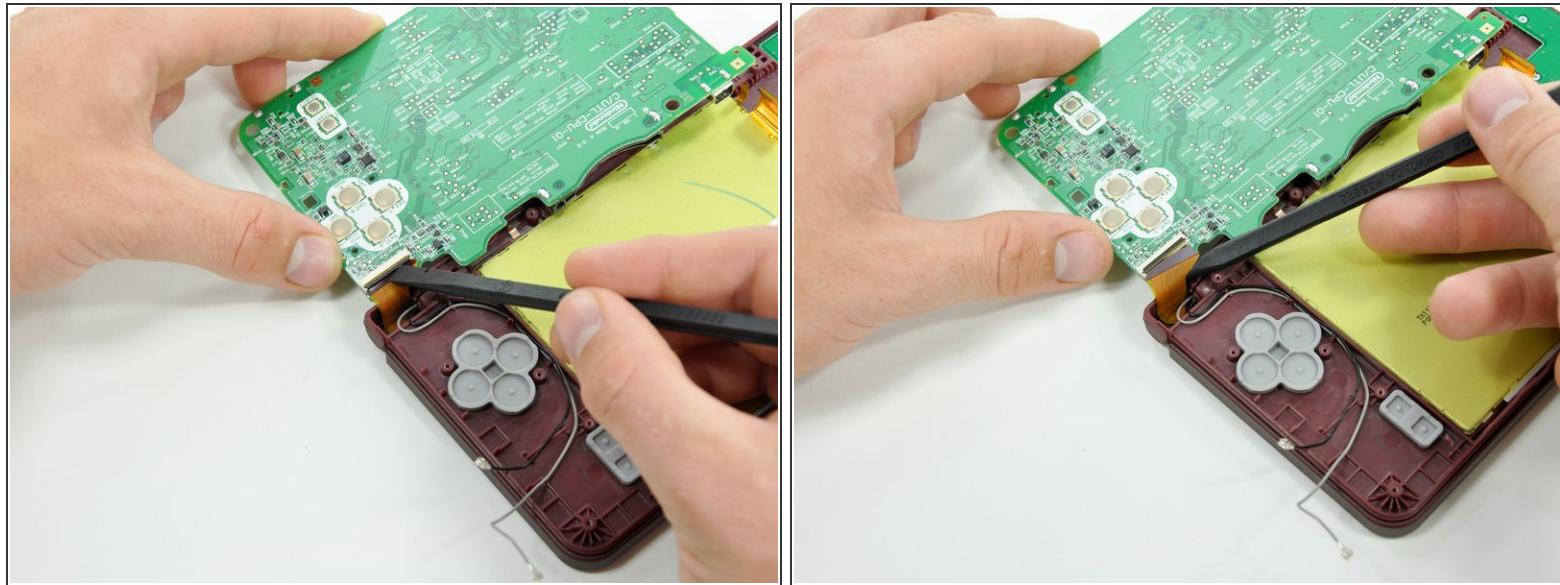
Step 19



- 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 20



- 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 21 — 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 22 — 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 23



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

Step 24



- Using two hands, gently slide the rear bezel upwards.
- (i)* The rear bezel will move only about 2 mm.

Step 25



- 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 26



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

Step 27



- Separate the rear bezel from the front bezel.

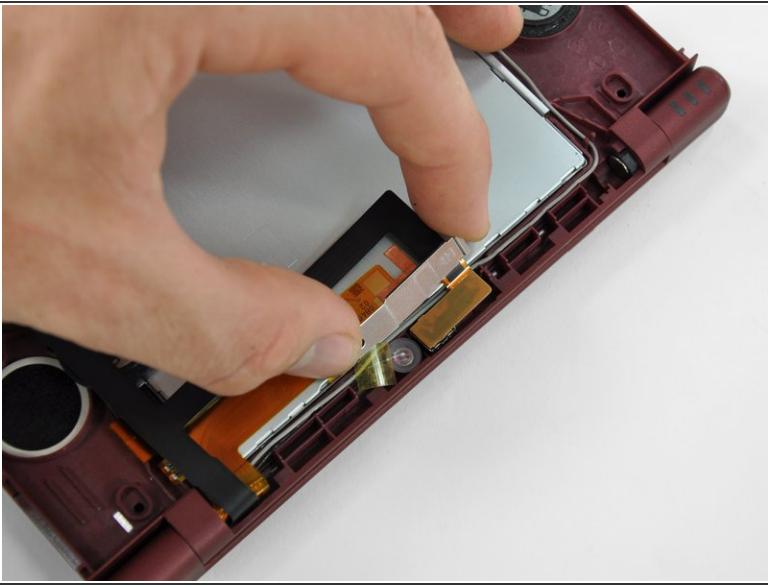
⚠ Do not attempt to completely remove the rear bezel yet. It is still attached to the front bezel by the rear-facing camera.

Step 28



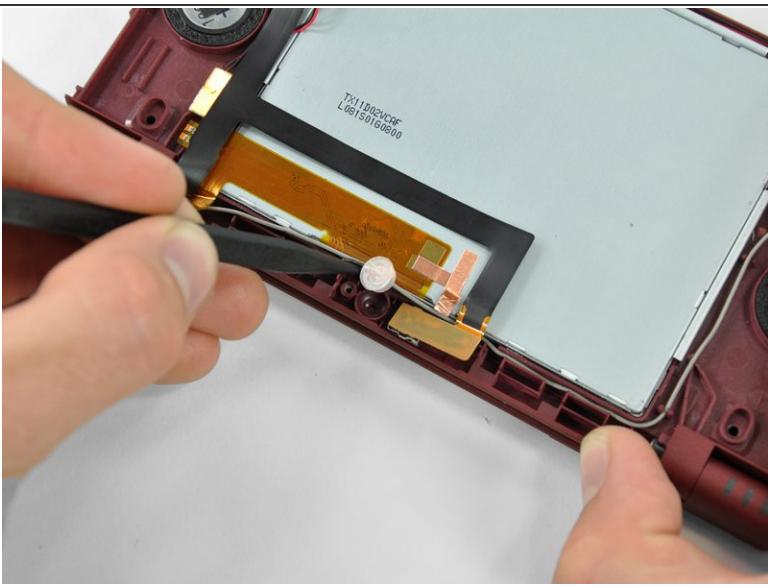
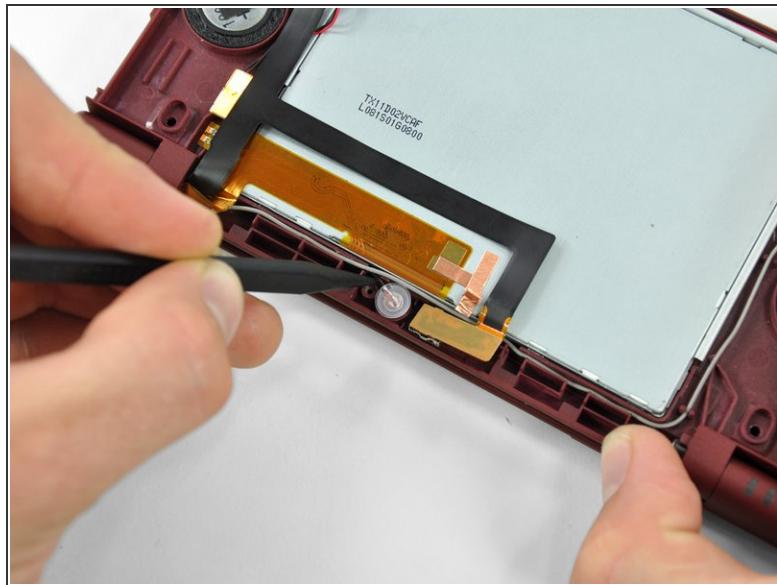
- Using the flat end of a spudger, pry the rear camera off the rear bezel.
- Remove the rear bezel.

Step 29 — Microphone



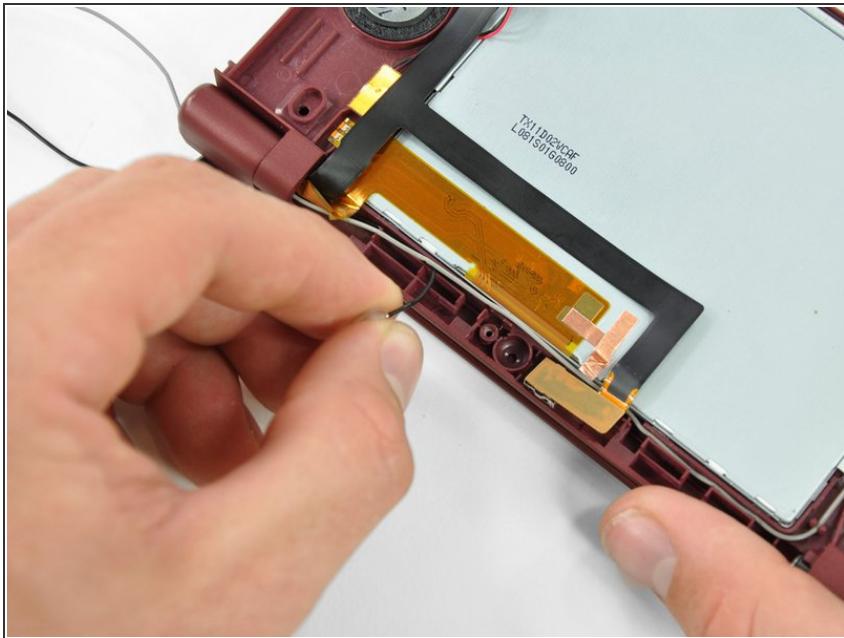
- Remove the Phillips screw holding the metal securing bracket in place.
- Lift the metal bracket off the camera.

Step 30



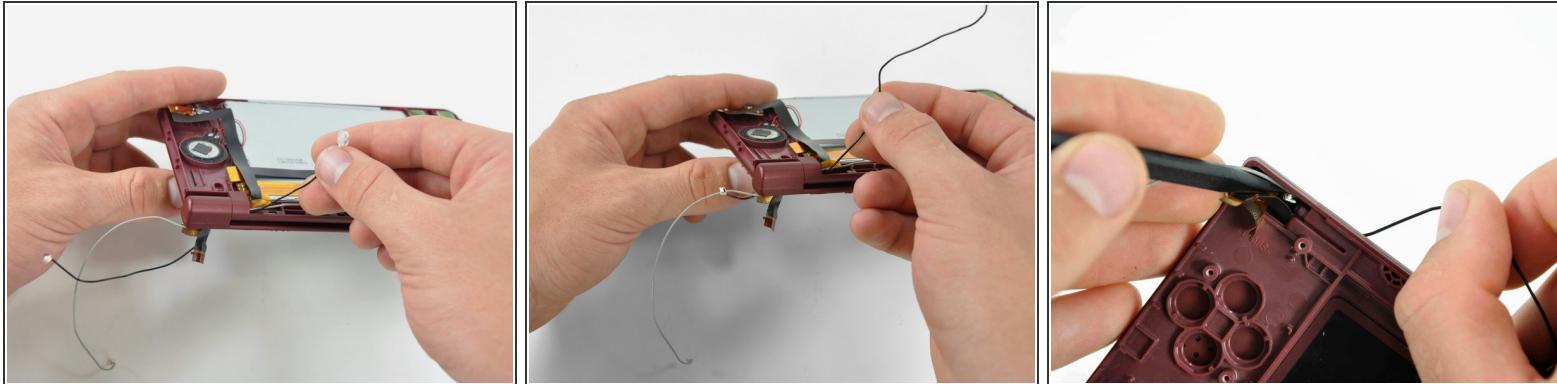
- Use the tip of a spudger to lift the microphone from its seat on the front display bezel.

Step 31



- De-route the microphone cable.

Step 32



- 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.

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