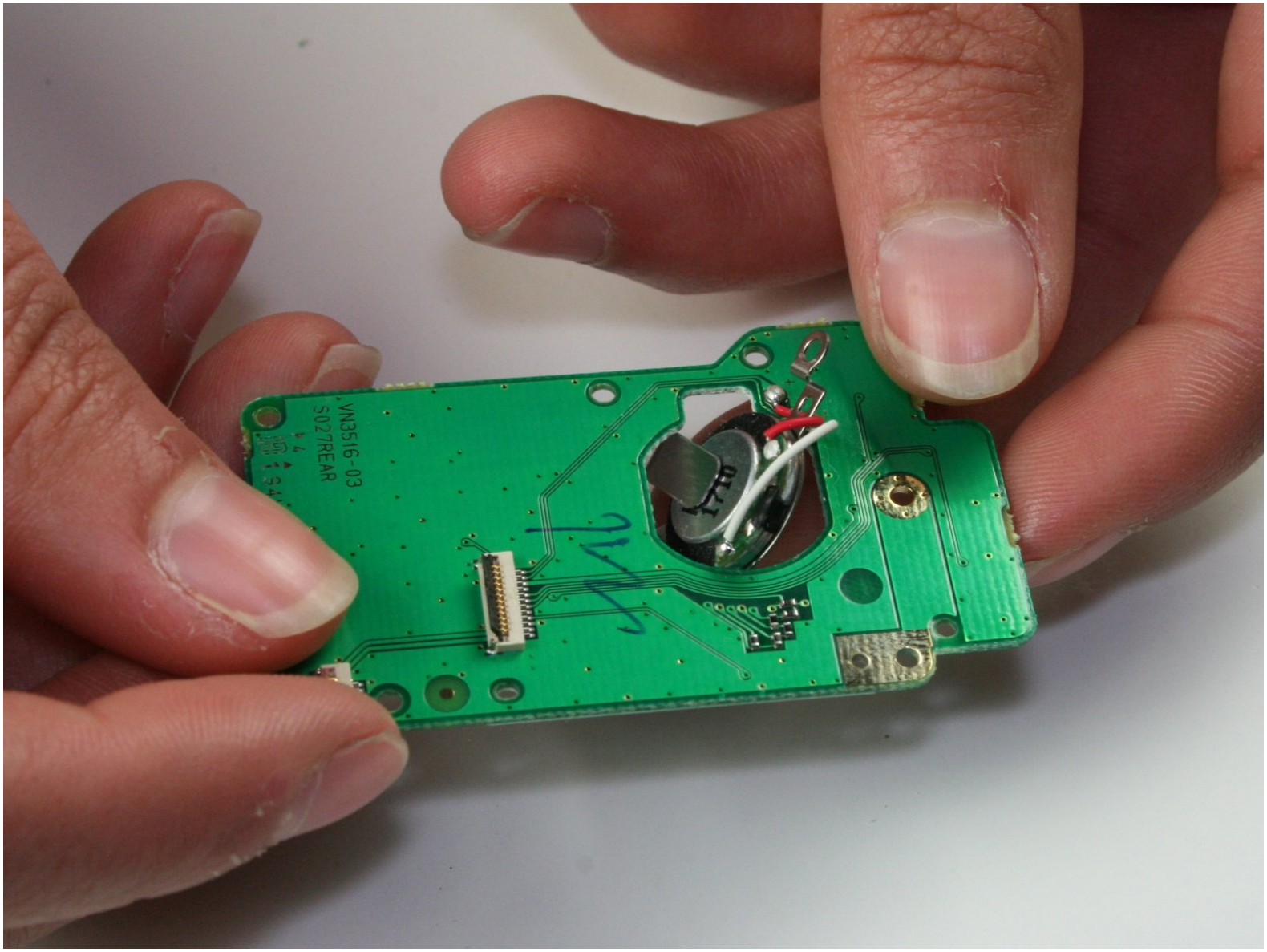
Olympus E-PI1 Speaker Replacement

This guide will show the user how to find and locate the speaker. With helpful comments and photos, the user will be able to take out the speaker.

Written By: Jeffery Smith



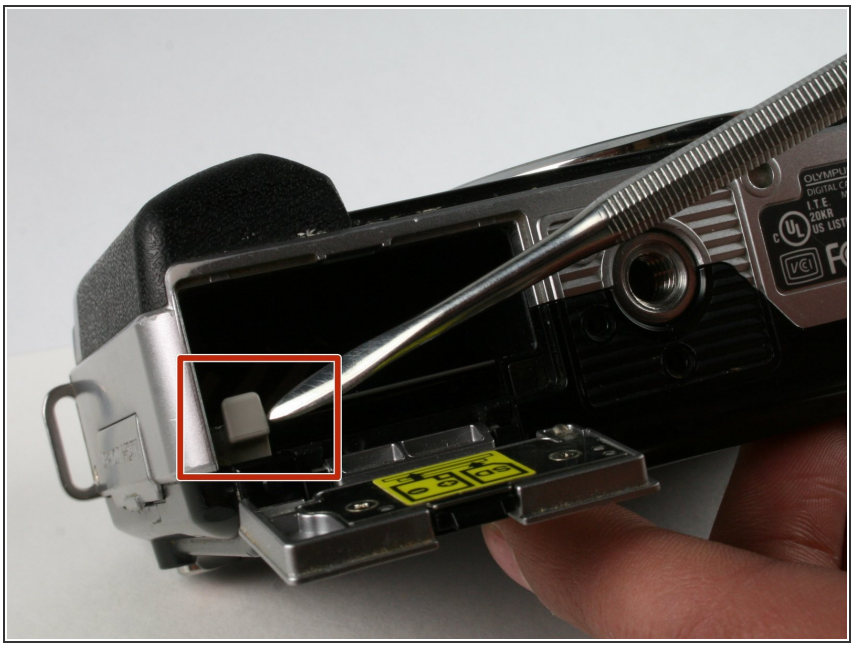
INTRODUCTION

This guide will show you how to replace the speaker in the rear panel

TOOLS:

- Phillips #000 Screwdriver (1)
- Tweezers (1)
- Spudger (1)
- Soldering Iron (1)
- Metal Spudger (1)

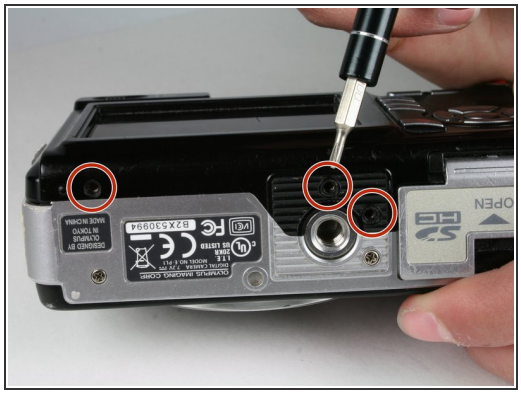
Step 1 — Opening The Case

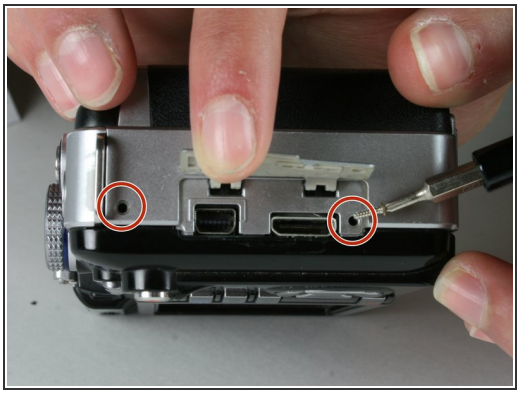


- Push the gray tab down, using a spudger if necessary, and the battery will come out.

⚠ **Failure to remove the battery prior to disassembly can result in harm.**

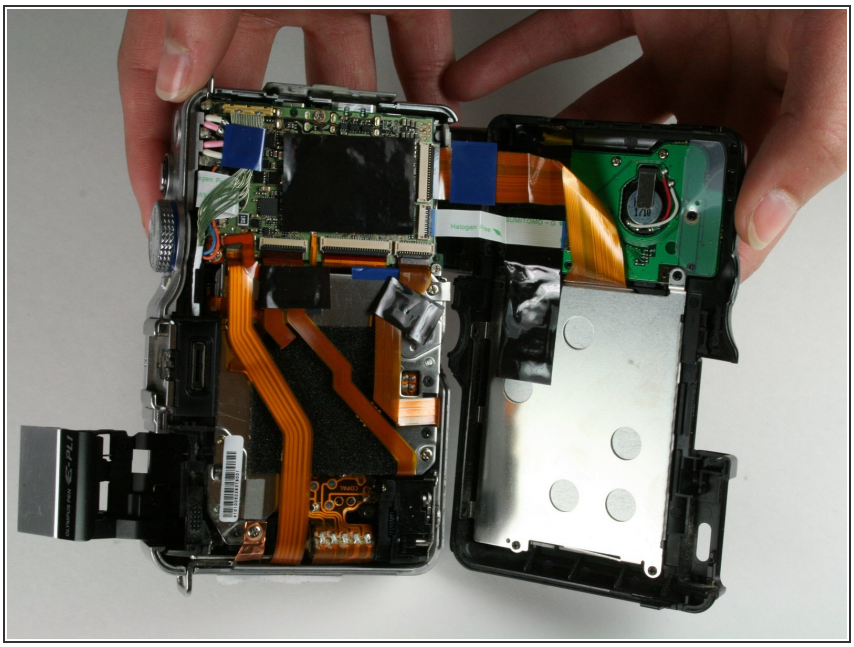
Step 2





- There are a total of six screws that must be removed using the the #000 Philips screwdriver.
- As per picture one: there is one 4.9 mm Philips head screw on the left side of the camera.
- As per picture two: on the bottom of the camera, there are three 3.4 mm Philips head screws; these are located on the darker area of the case.
- As per picture three: there are two 5.3 mm Philips head screws on the right side, one is beneath the USB cover.

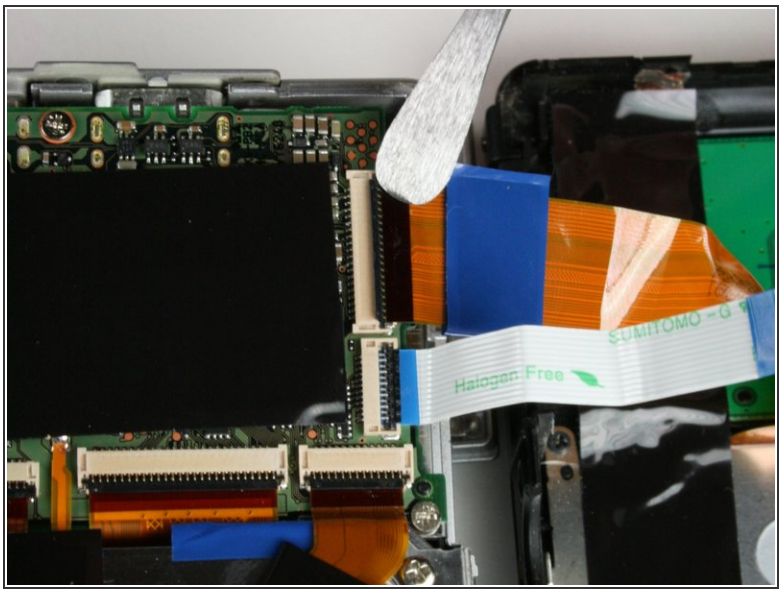
Step 3

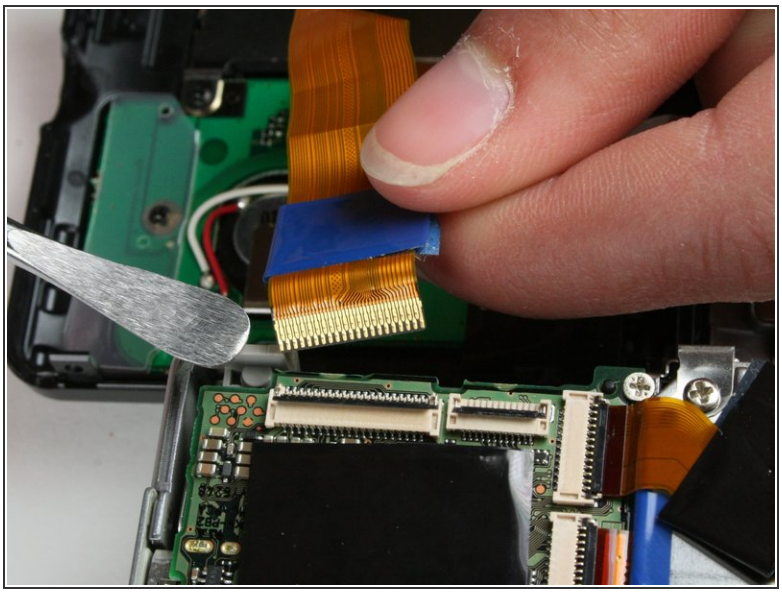


- Open the case by peeling off the back panel.

⚠ **Pull the case apart gently so that the ribbon connector will not tear.**

Step 4





- Disconnect the two ribbon cables as shown in picture one.

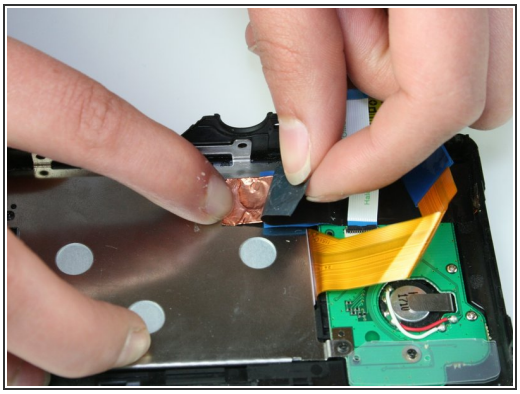
⚠ Avoid using metal pry tools, as shown in the photo, on internal electronic components, as it can cause a short and damage the device. Use an ESD-safe tool such as a standard nylon spudger.

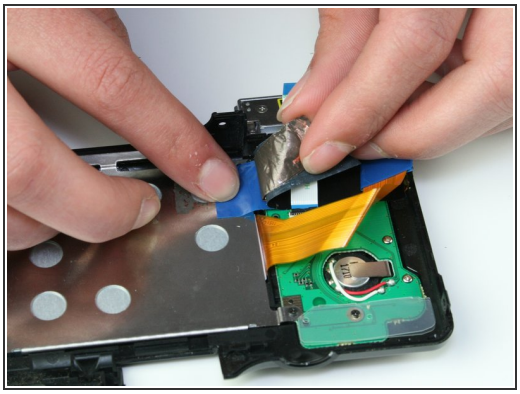
ⓘ To disconnect a ribbon cable, use a spudger to lift the black tab then pull the ribbon out. This works the same for all ribbon cables.

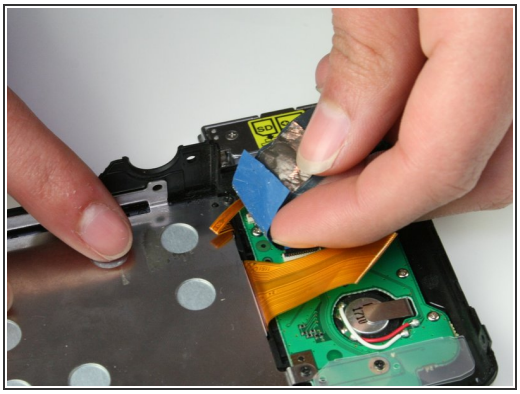
Step 5

- The back panel has now been removed.

Step 6 — LCD Screen

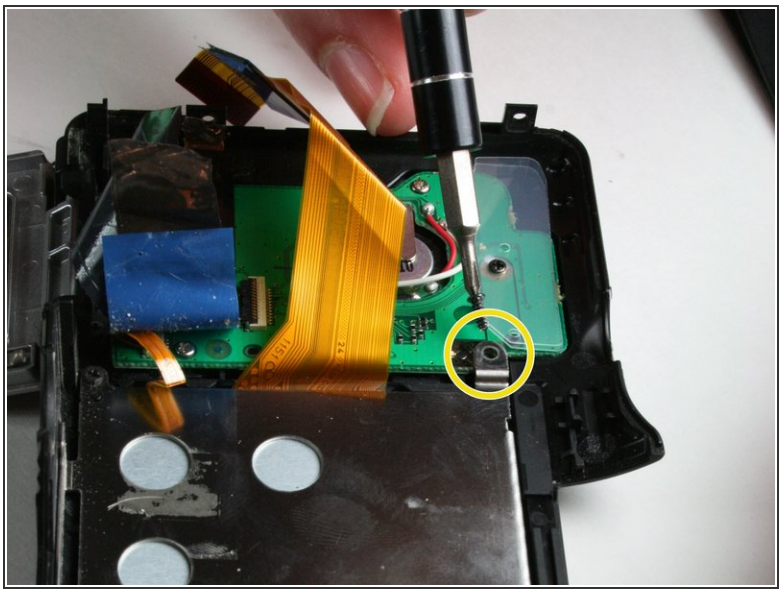






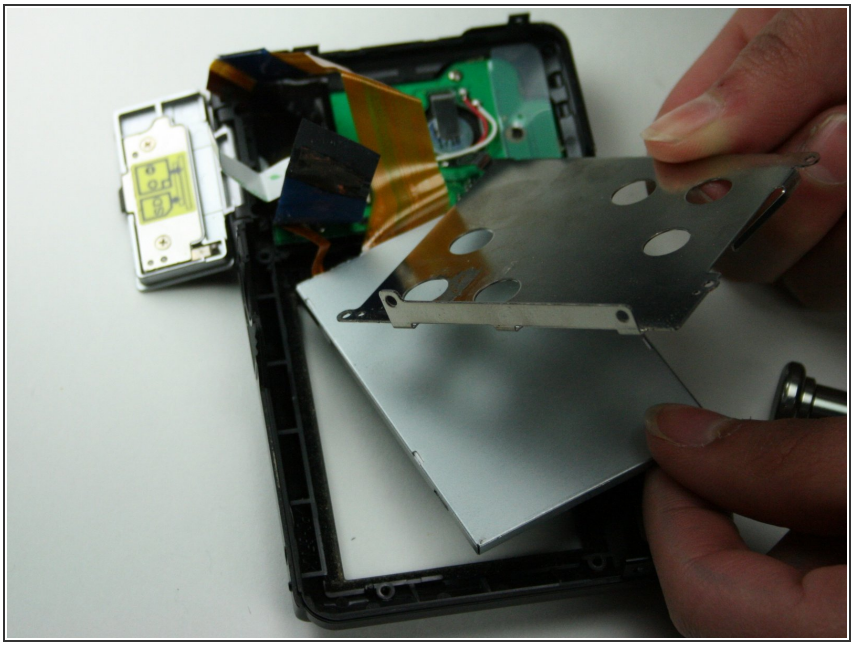
- As per picture one: peel back the black strip.
- As per picture two: peel back the Copper strip.
- As per picture three: peel back the blue tape.

Step 7



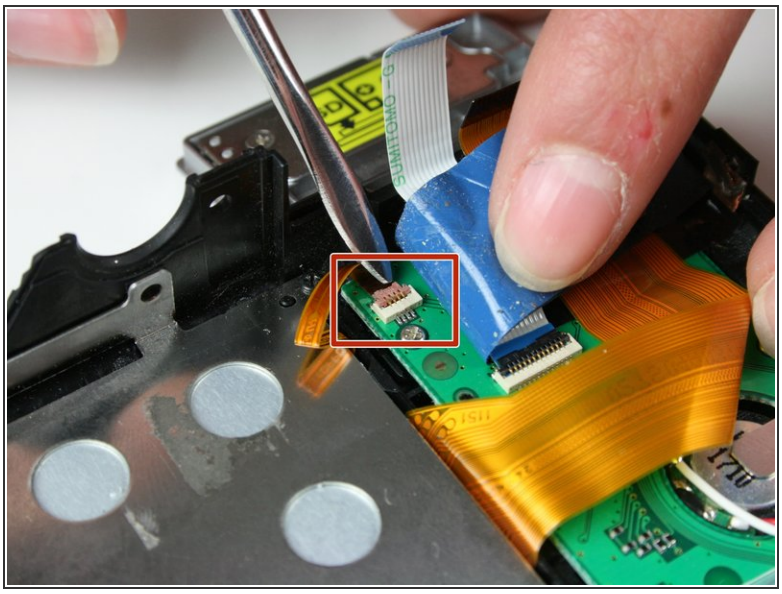
- There are four screws that need to be removed using the #000 Philips screwdriver.
- Remove the three 3.4 mm screws on the silver panel.
- Now remove the 4.3 mm screw located on the green board.

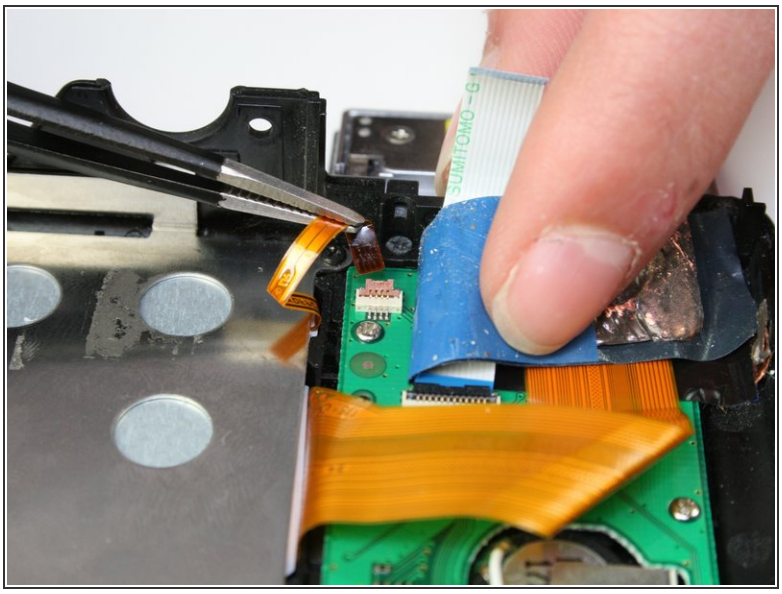
Step 8



- Lift out and remove the metal plating over the LCD screen.

Step 9



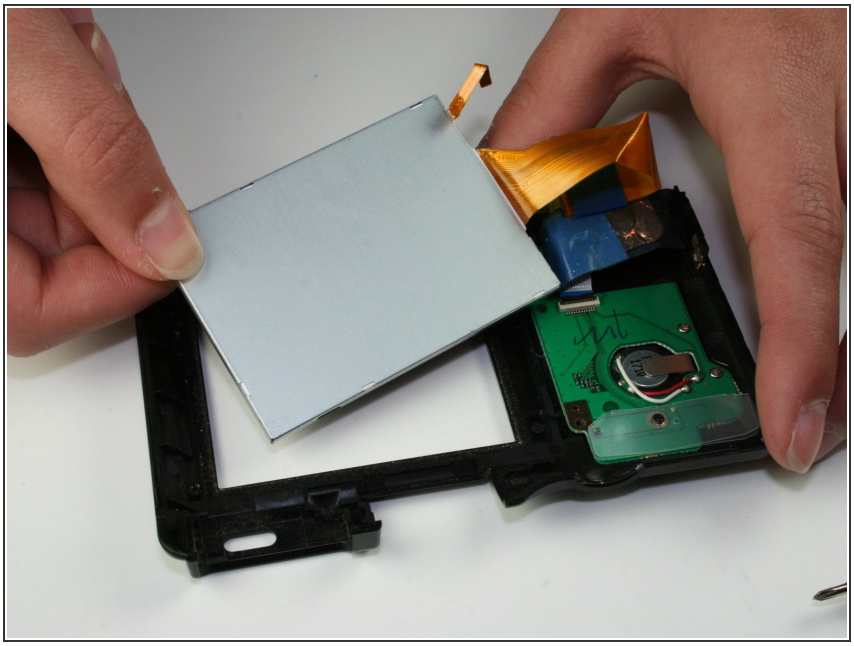


- Use a spudger to lift the brown lock tab.

  Avoid using metal pry tools, as shown in the photo, on internal electronic components, as it can cause a short and damage the device. Use an ESD-safe tool such as a standard nylon spudger.

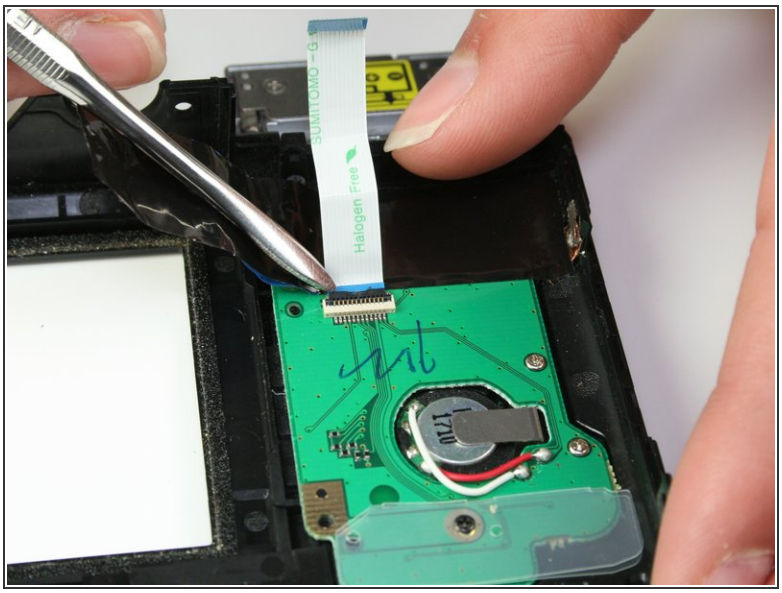
- Using tweezers, lift the ribbon cable from the brown lock tab.

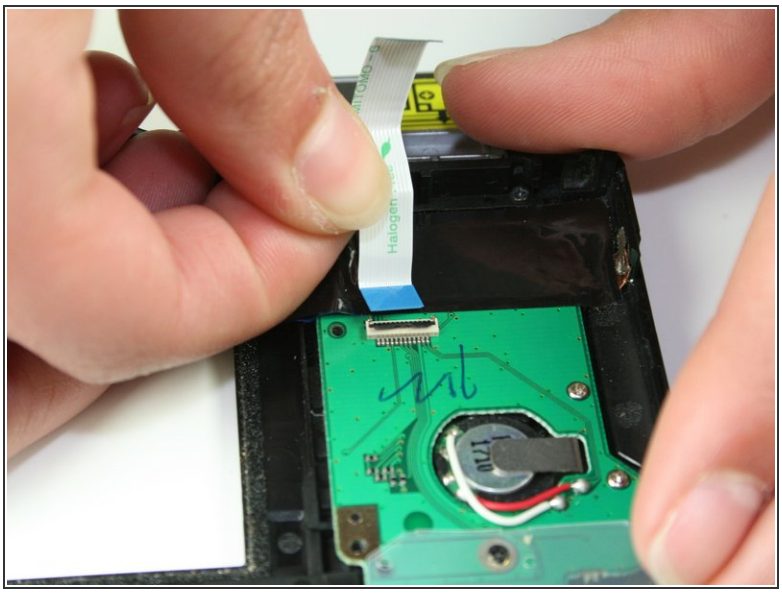
Step 10



- Lift out the LCD Screen.

Step 11 — Speaker



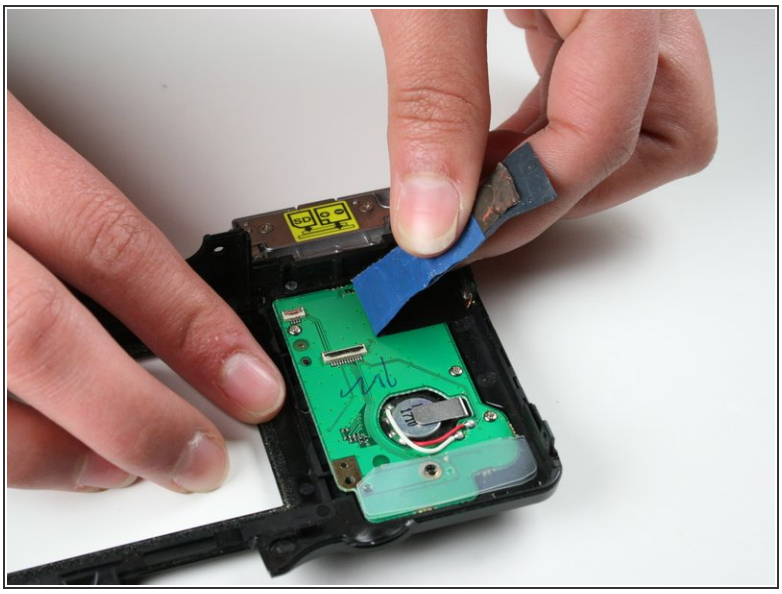


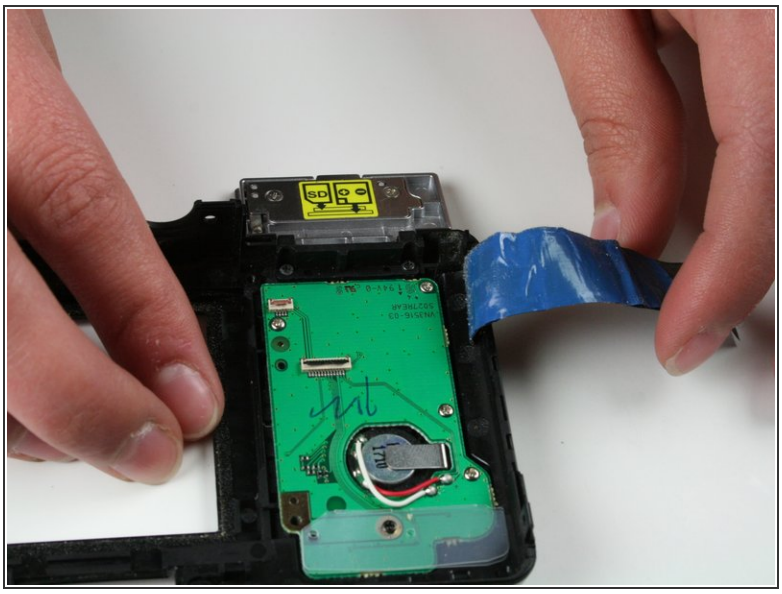
- Using a spudger lift up the black retainer tab.

  ⚠ Avoid using metal pry tools, as shown in the photo, on internal electronic components, as it can cause a short and damage the device. Use an ESD-safe tool such as a standard nylon spudger.

- Gently pull out the ribbon cable.

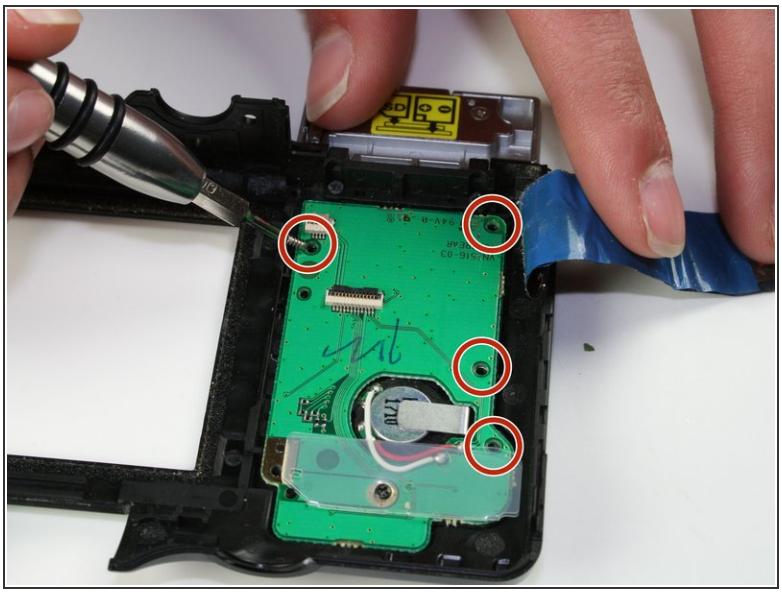
Step 12

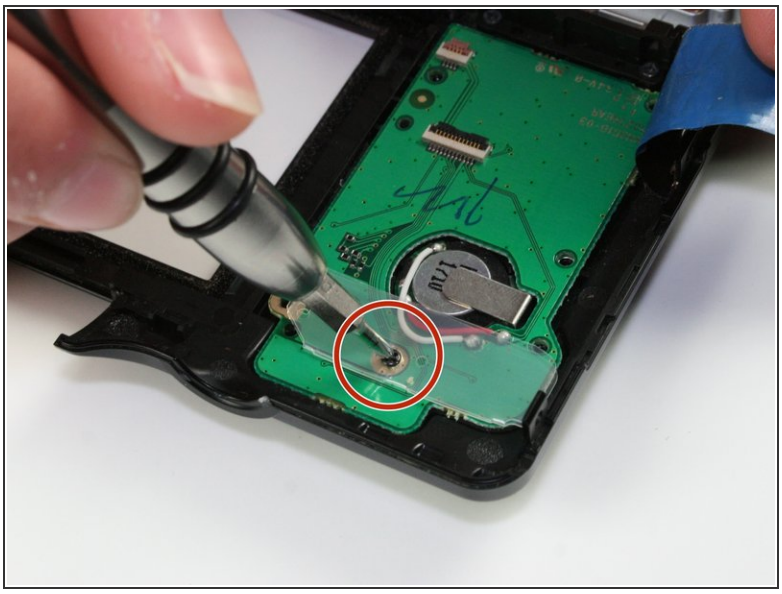




- Using your fingers, grab the copper grounding strip and blue and black tape.
- Pull these three back at the same time.

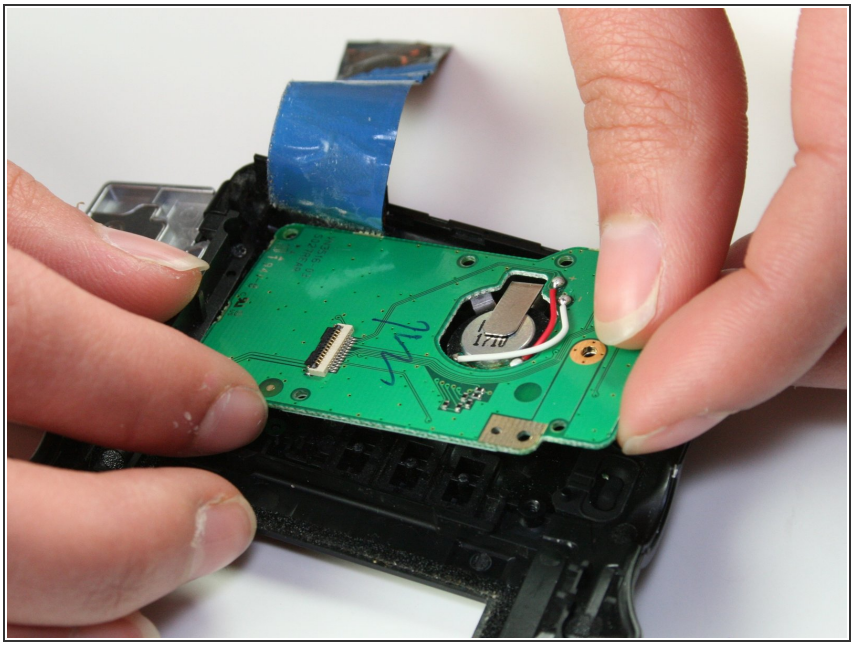
Step 13





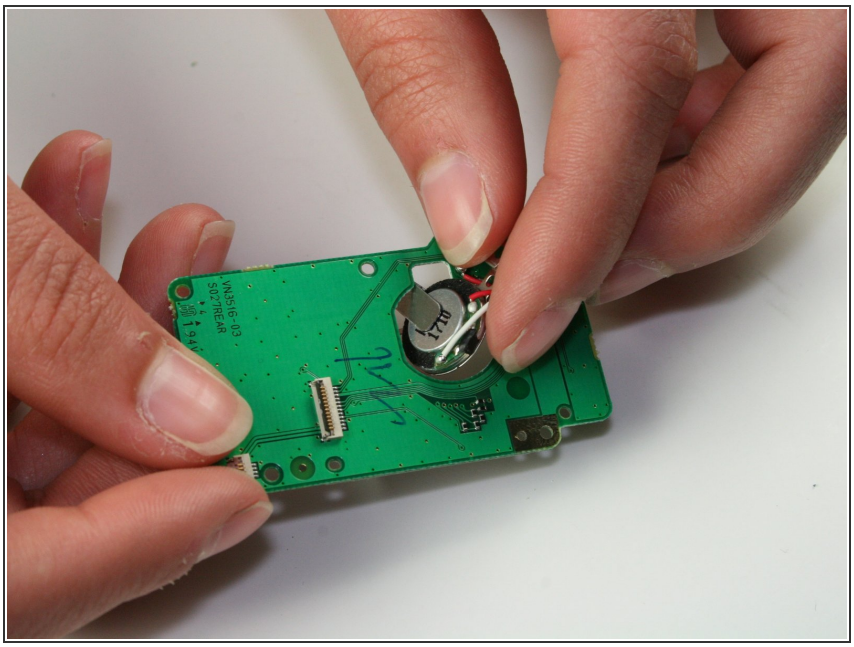
- Using a #000 Phillips screwdriver remove the four 3.7 mm screws holding the board.
- Using a #000 Phillips screwdriver remove the 4.3 mm screw as shown in picture two as well as the clear plastic sheet.

Step 14



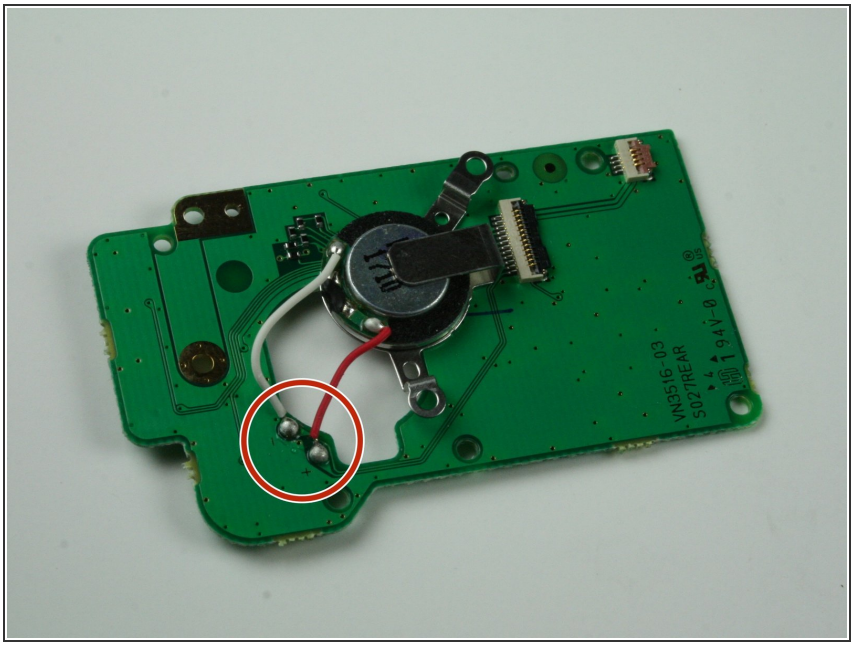
- Gently lift out the board being careful of the wires in the center

Step 15



- With your fingers twist and move the speaker to the other side of the board.

Step 16



- Using a soldering iron and soldering wick desolder the two wires connecting the speaker

The new speaker must be attached with the wire colors in the same orientation.

- Solder in the new speaker. Be sure to match the wire color to the original wire placement.

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