



Nintendo DS Upper LCD Screen Replacement

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INTRODUCTION

The purpose of this guide is to explain how to replace the upper LCD screen in a Nintendo DS. All tools needed to fix the screen can be referenced or bought in the tool section below. Care should be taken when removing and moving the ribbon cables to make sure not to tear, break, or damage them. Care should also be taken when the screen is removed from the case to make sure not to tear, break, or damage the black and red wires connecting the two circuit boards. Damage to either of these components might not be able to be fixed and will not be covered in this guide. The proper tools and handling must be used to prevent damage to these components.

TOOLS:

Spudger (1)

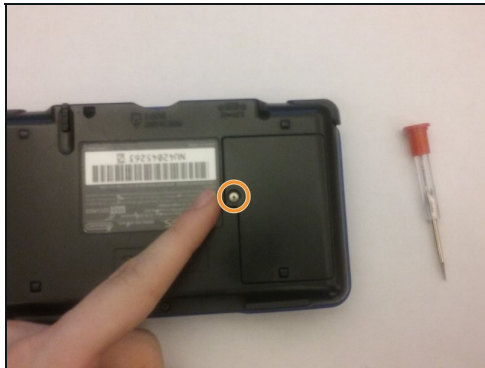
Phillips #00 Screwdriver (1)

Tweezers (1)

iFixit Opening Tool (1)

Tri-point Y00 Screwdriver (1)

Step 1 — Battery



- Remove the cartridge from the console.
- Use a Phillips #00 Screwdriver to remove the screw securing the battery door to the rear case.
- Remove the battery door.
- ① In the images, it shows that the fixer is using a flathead screwdriver. This flathead screwdriver will work just like the Phillips #00 Screwdriver.

Step 2



- Use a plastic opening tool or spudger to pry out the battery from the bottom. If a plastic opening tool or spudger isn't available, your fingernails may work.

Step 3



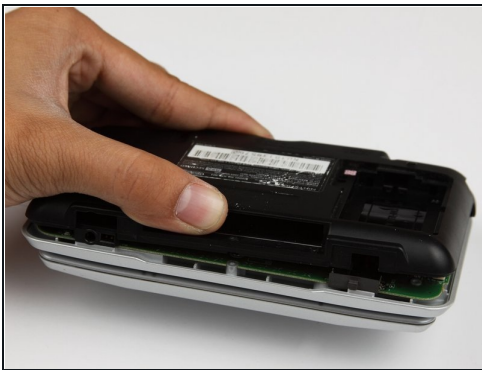
- Remove the battery from the Nintendo DS.

Step 4 — Back Panel



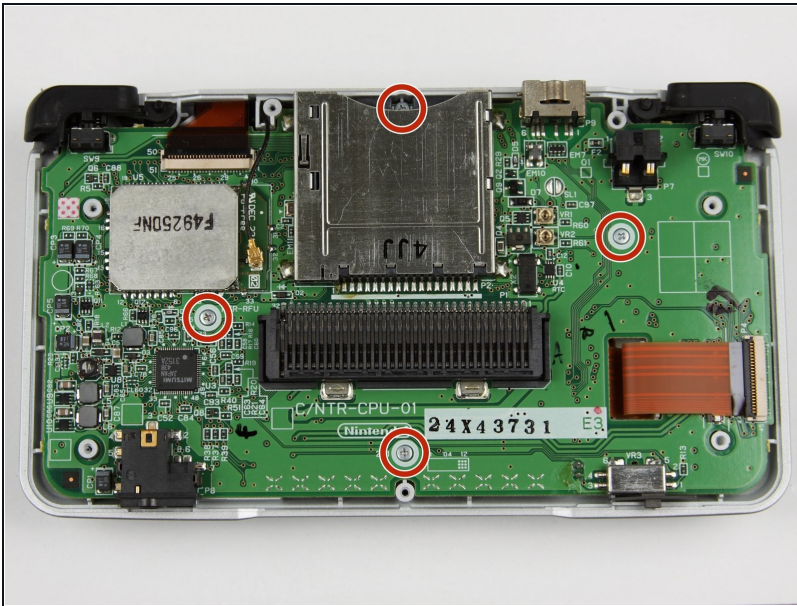
- Remove the seven 6.4mm Y00 screws located on the back.
- ⓘ If your DS has a lanyard attached to it, you can remove it to make the process of opening the top-left screw easier.

Step 5



- With your hands, pry the back panel off the main case.
- Separate the back from the front, and set it aside.

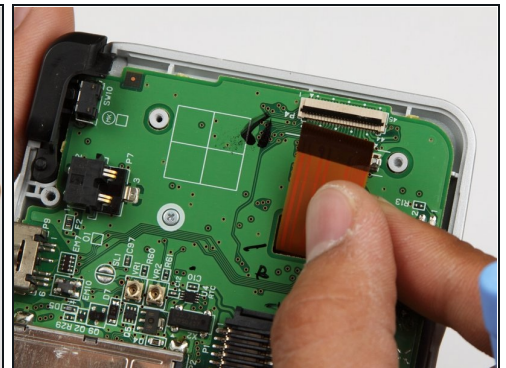
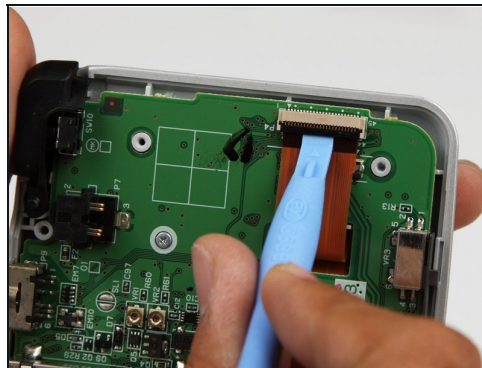
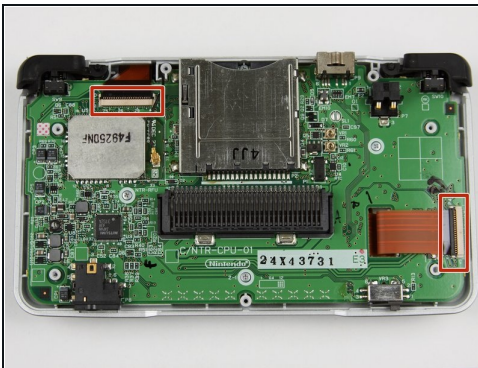
Step 6 — Motherboard replacement.



- Using a Phillips #00 screwdriver, remove the four screws on the circuit board.

⚠ Be careful NOT to slip with the screwdriver, you can damage the circuit board!

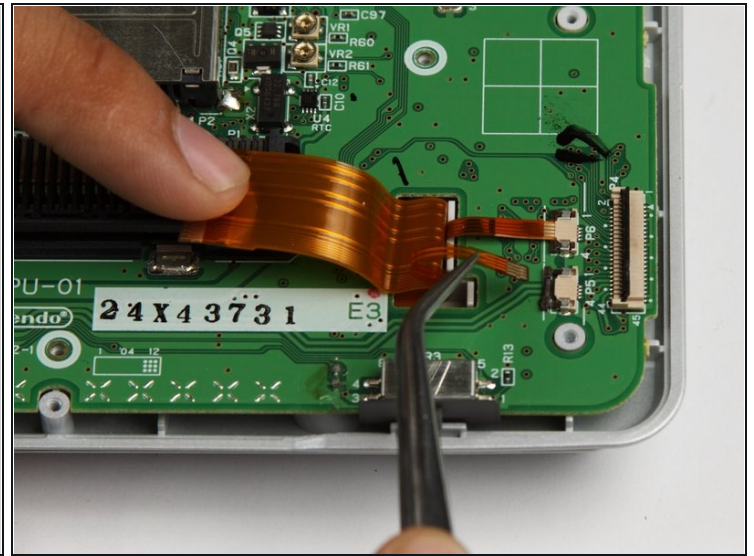
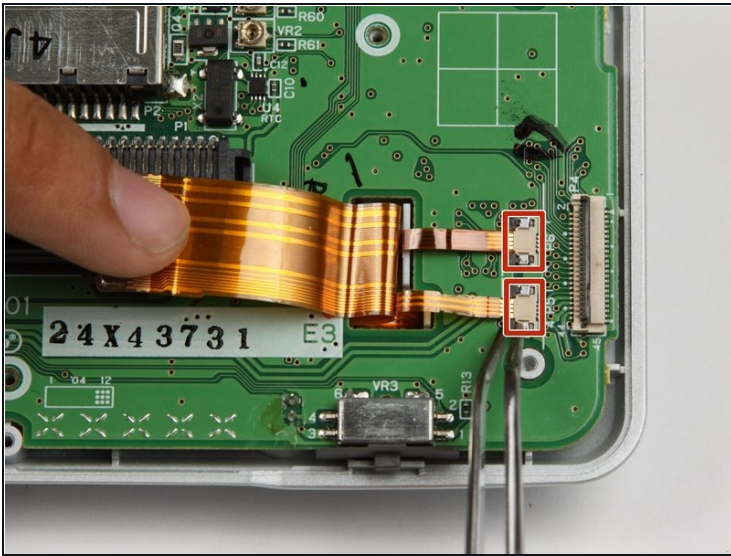
Step 7



- Unlock the two large ribbon cables by moving the black clip up.
- Carefully pull the ribbon cables down and out with your fingers.

⚠ Do not use pliers to pull the cables, as they can be damaged easily.

Step 8



- Locate the two small ribbon cables, beneath the rightmost large ribbon cable.
- Slide the locks for the small ribbon cables down to the side, and remove the cables.

① It may be useful to use tweezers to remove the small ribbon cables.

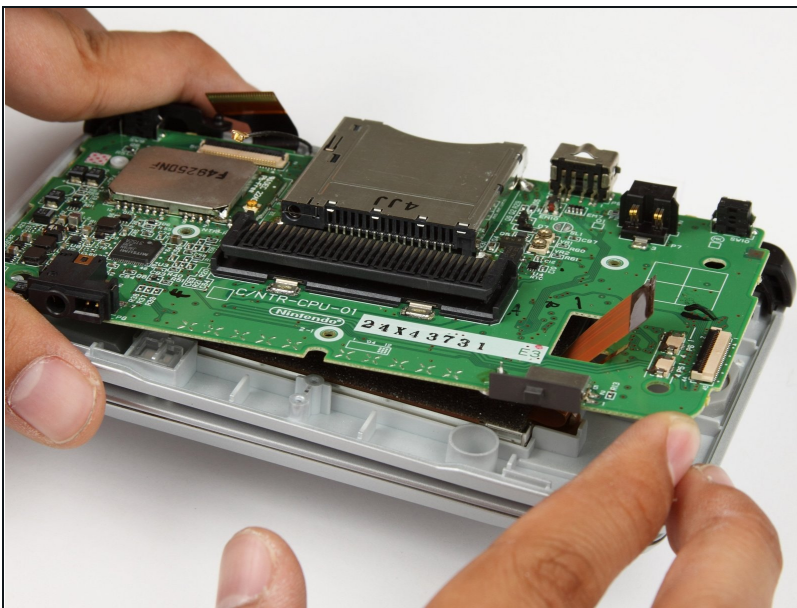
⚠ Be careful not to damage the delicate ribbon cables.

Step 9



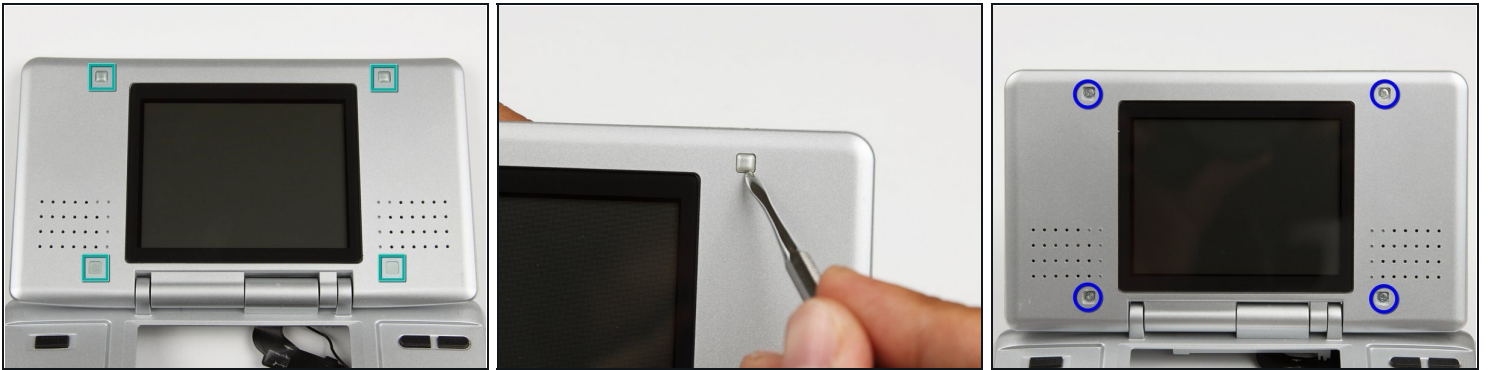
- Locate the Wifi antenna pigtail connector.
- Remove the antenna by grasping it at the head with tweezers. Using a slight rocking motion, pull up to dislodge the connector.

Step 10



- Feed the ribbon cables through the opening on the board.
- Pull up and remove the circuit board, and set it aside.

Step 11 — Remove the screw covers



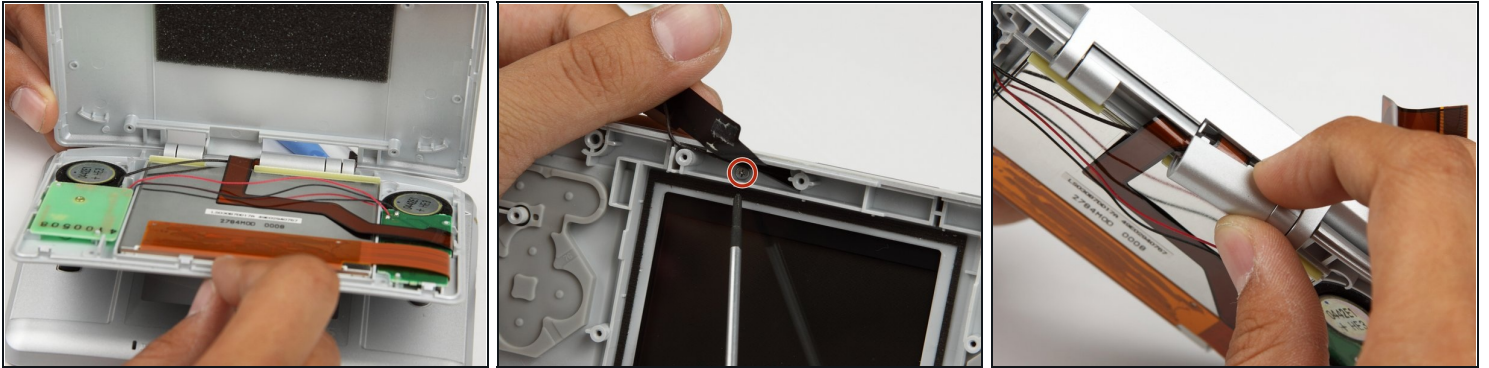
- Use a flathead screwdriver, tweezers, a toothpick or dental tool to remove rubber covers on screen.
 - ① While doing so, please be sure to remove the rubber screw covers carefully. If they rip or get damaged, you may have to buy new ones. These are NOT required to seal up the console, but for aesthetic purposes and for keeping dirt and water out, you should (re)install the rubber screw covers.
- Then using a #00 Phillips head screw driver to remove the screws beneath.

Step 12 — Remove the front cover



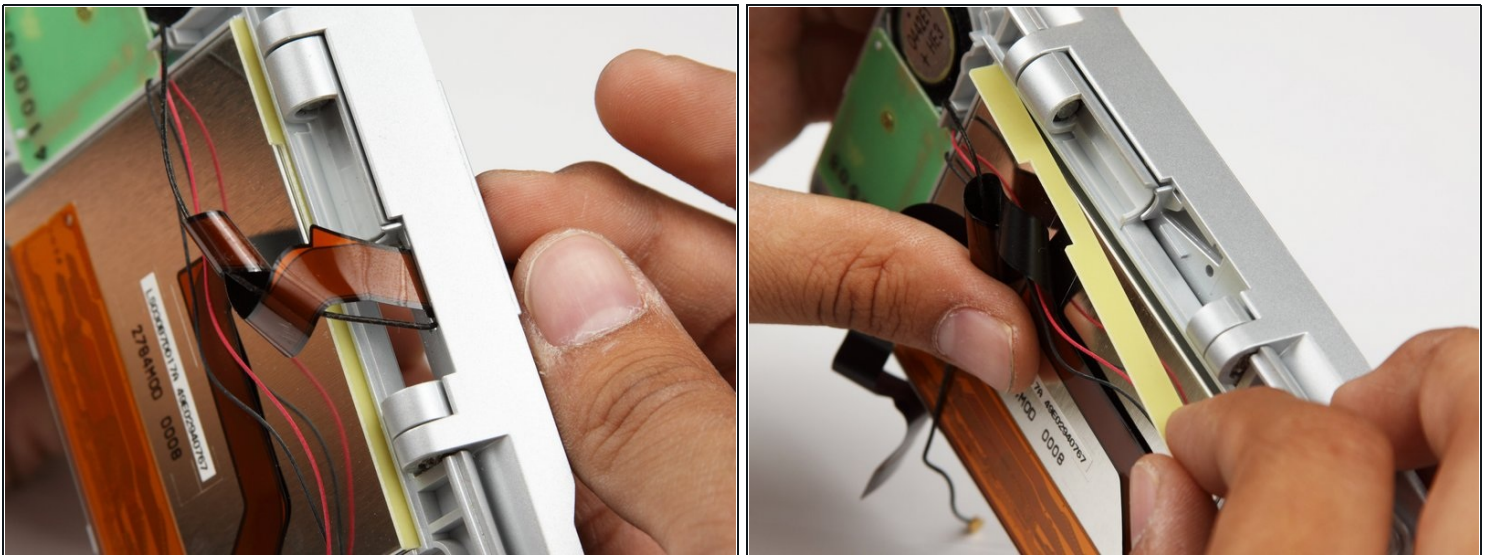
- Using a plastic opening tool, pry the edges of the plastic case apart at the seam.

Step 13 — Separate the top cover



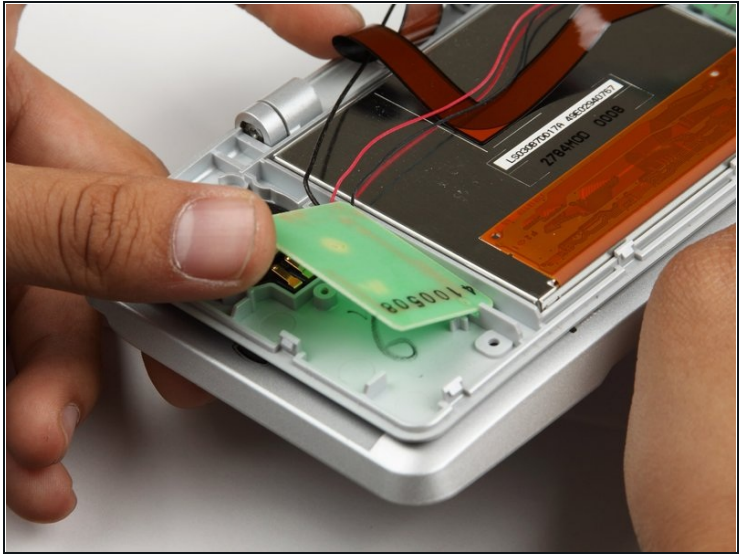
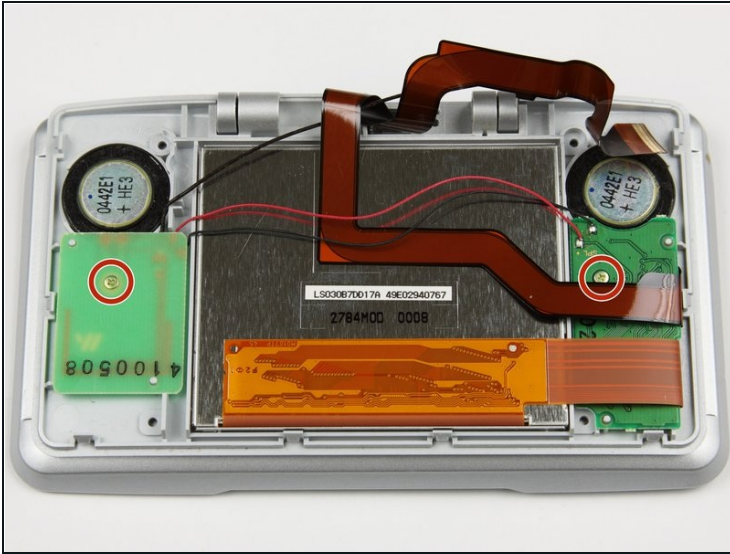
- Separate the top cover from the body.
- Using a Phillips #00 screwdriver, remove the screw holding the hinge cover in place.
- Remove the hinge cover and set it aside.

Step 14



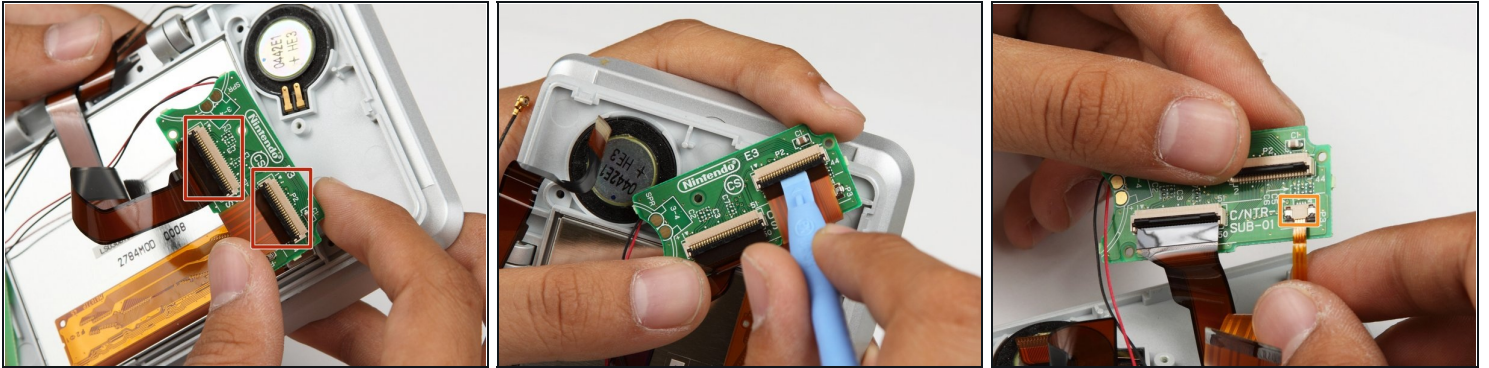
- Feed the ribbon cables and the Wifi pigtail cable through the opening in the hinge cover.
- Remove the yellow spacer, and set aside.

Step 15 — Remove the speaker boards



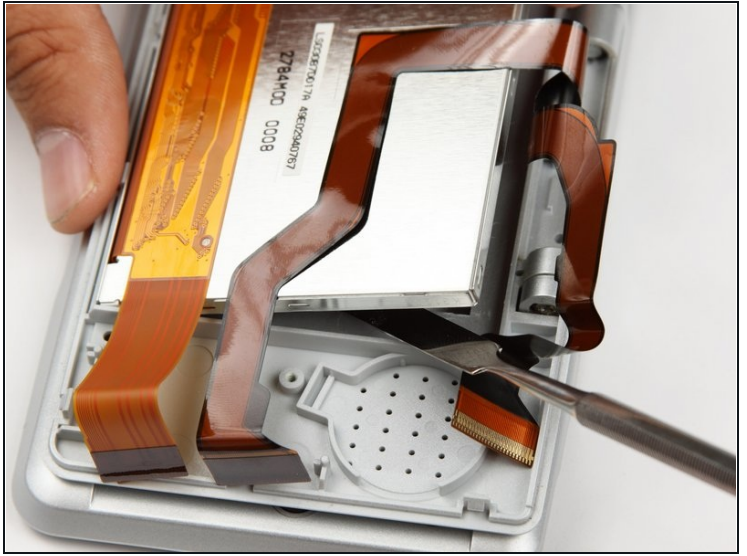
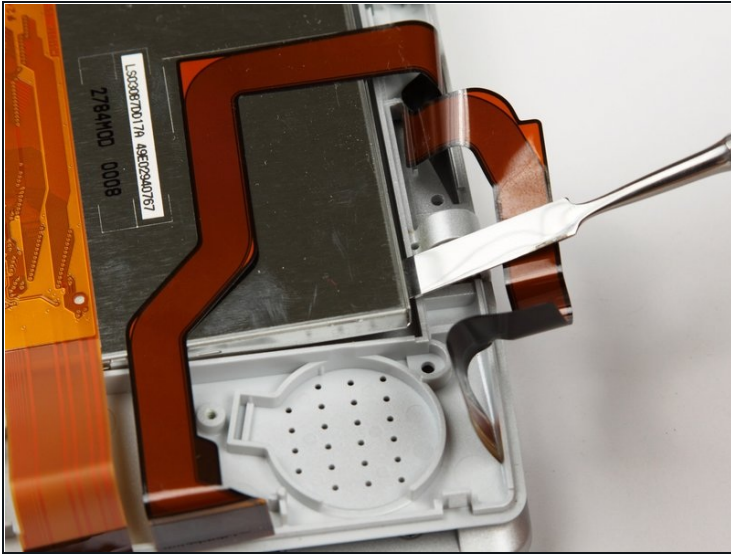
- Using a Phillips #00 screwdriver, remove the two screws holding down the speaker circuit boards.
 - Remove the two small circuit boards and set aside.
- ⚠ Be careful of the small red and black wires connecting the two circuit boards not to break them.

Step 16



- Move the black lock on the two large ribbon cables up with a pry tool, and gently pull out the two ribbon cables.
 - For the small ribbon cable, pull the lock downwards.
 - Gently pull out the small ribbon cable from the connector.
 - Set the two small circuit boards aside
- ⚠ Be careful not to damage the two delicate ribbon cables when removing them from the DS.

Step 17 — Remove the screen



- Using a pry tool, gently lift the top screen out of the shell.
 - Set the top screen aside
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To reassemble your device, follow these instructions in reverse order.