



Nintendo 3DS XL 2015 Upper Screen Replacement

Showing how to replace the Upper Screen of the Nintendo 3DS XL.

Written By: Ryan Butler



INTRODUCTION

This guide will walk you through the process of opening and replacing the Upper Screen.

TOOLS:

- [JIS Driver Set \(1\)](#)

- [Tweezers \(1\)](#)

ESD Safe

- [iFixit Opening Tools \(1\)](#)

- [Phillips #00 Screwdriver \(1\)](#)

Step 1 — Battery



⚠ Ensure your device is powered off before proceeding. Failure to do so may result in electrical shock or damage to the device.

- Place the 3DS upside down. Remove the game card, headphones, charging cable, stylus, or anything else that may be connected to the device.

Step 2



- Using a JIS #0 screwdriver, loosen the two black screws on the back.
- The screws are held in place by captive washers and should not be completely removed.

Step 3



- Once the screws are loosened, pry open the back cover.

Step 4



- The battery is located on the left hand side of the 3DS - to remove, use the small gap located at the top-middle and pull up with a pointed tool.

Step 5 — Motherboard



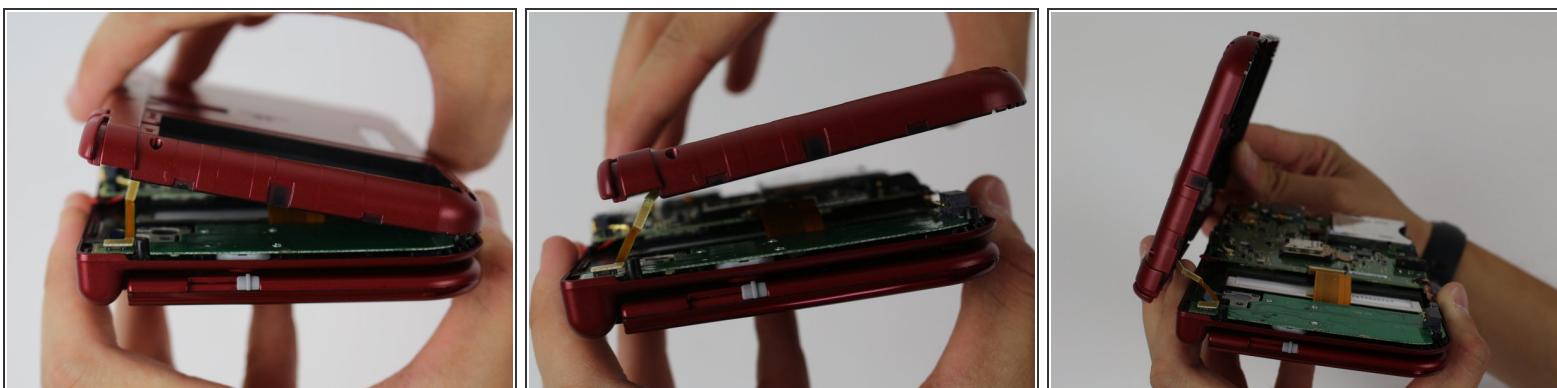
- Using a JIS #000 screwdriver, remove the six 6mm screws around the edges of the secondary cover.

Step 6



- Using tweezers, carefully pop out the rubber bumpers located at the top side of the 3DS. Removing them will reveal another two 6mm screws. Remove these screws using a JIS #000 as well.

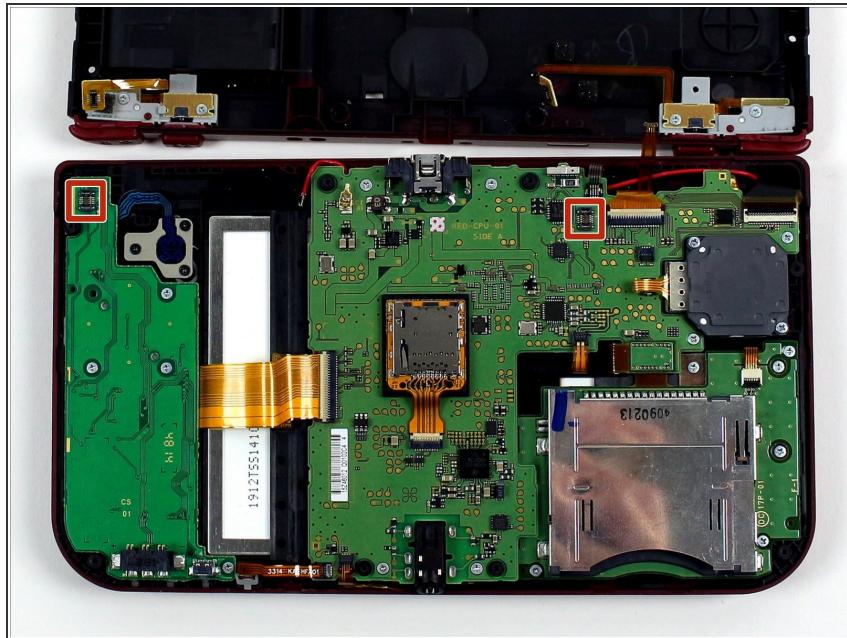
Step 7



- To separate the cover, carefully lift it up and away from the hinges (in order to clear the headphone port), then pivot it towards the hinges to expose the circuit boards.

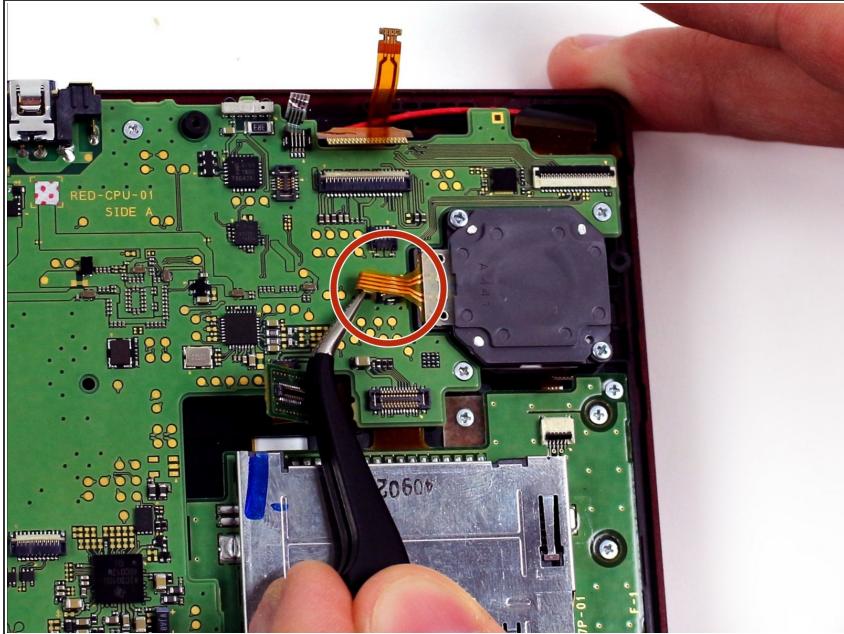
⚠ Don't fully remove the cover yet, or you may damage the delicate ribbon cable that still connects it to the motherboard.

Step 8



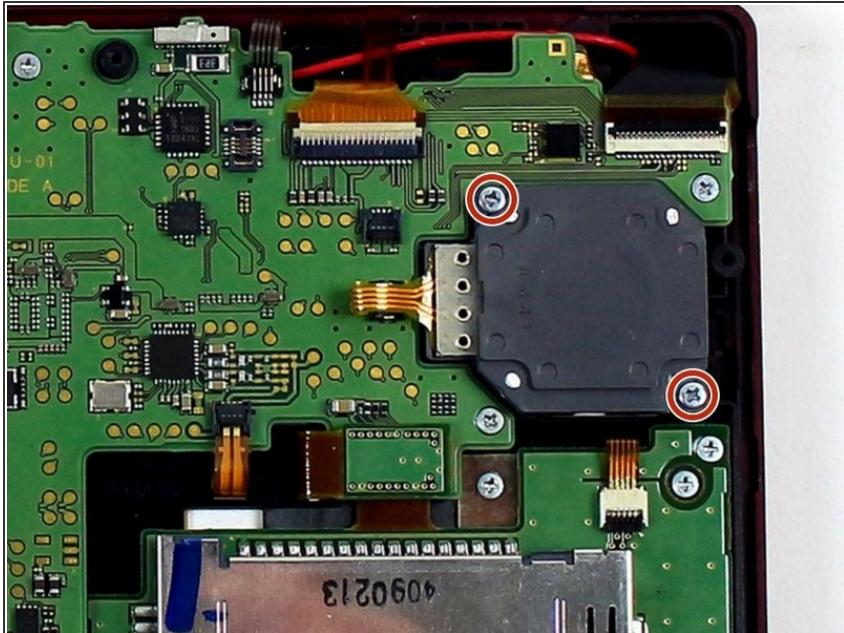
- Use a pair of tweezers to lift away the two plugs that latch the L/R/ZL/ZR button ribbons to the motherboard. You can now remove the back cover completely and set it aside.

Step 9



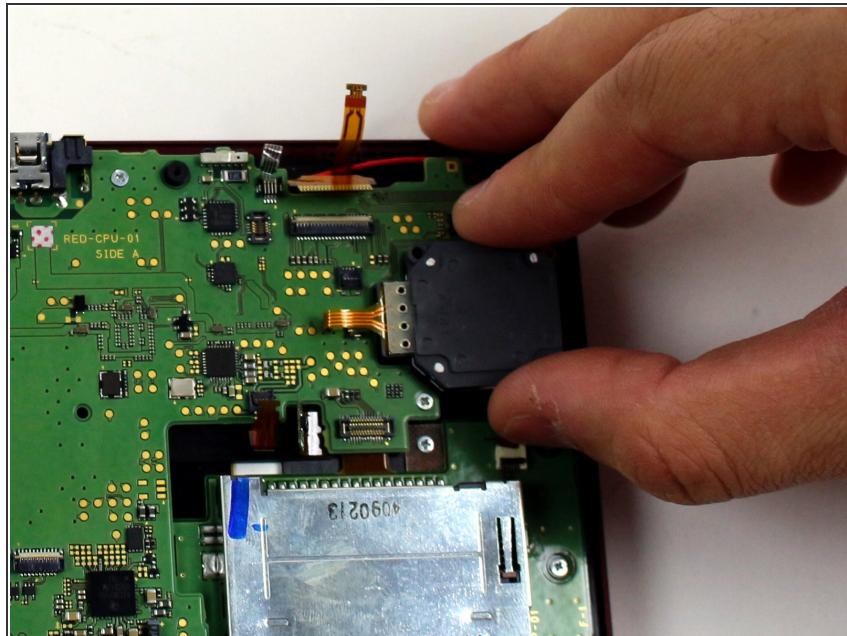
- Using tweezers, gently pull the gray clamp underneath the circle pad ribbon connector upwards from the right side. Then slide the ribbon out of the ZIF connector.

Step 10



- Using a JIS #000 screwdriver, remove the two 8 mm screws securing the circle pad.

Step 11



- Lift the circle pad casing upward to remove it. There will be some friction, but it should not require excessive force.

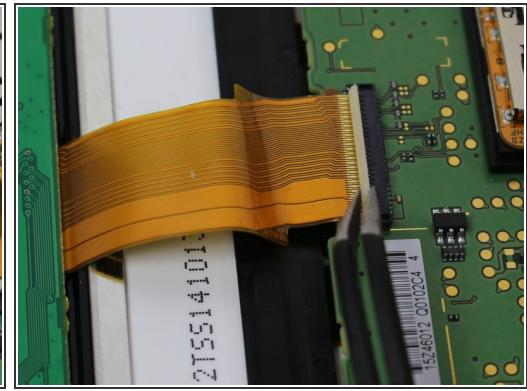
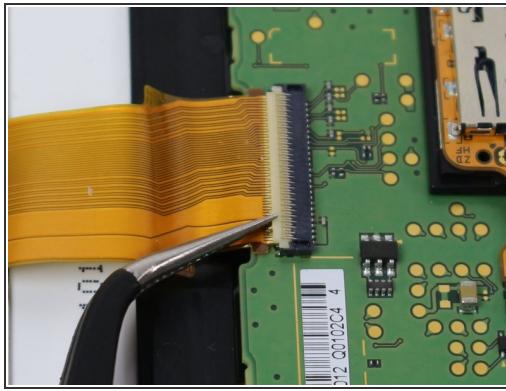
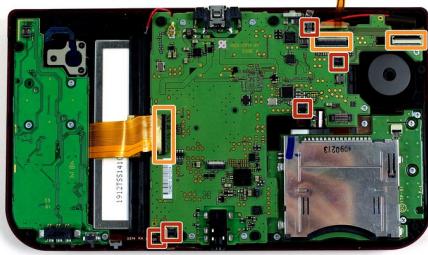
Step 12



- Locate the gold terminal plug with a red cable at the top left of the motherboard. Using your fingers, carefully pull the plug straight upward to remove.
- Use a pair of tweezers to disconnect the single ribbon connector.

⚠ Don't do what we did -- be very careful **not** to pull on the red cable.

Step 13



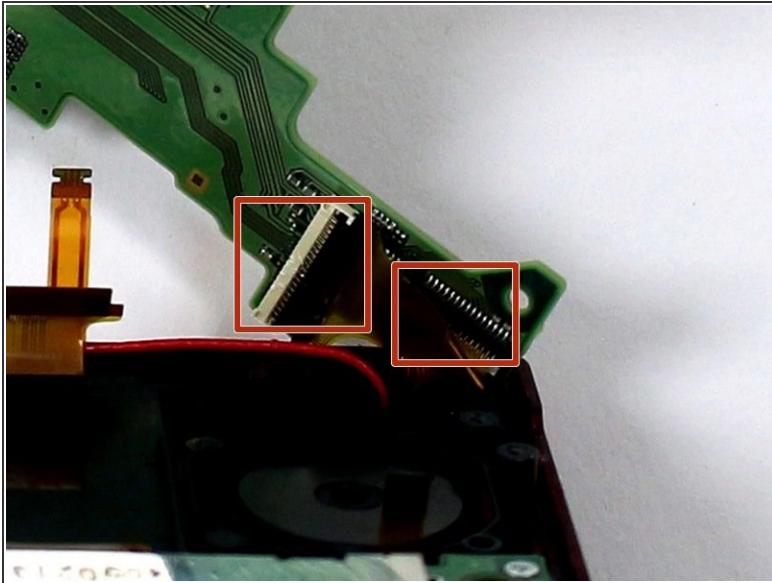
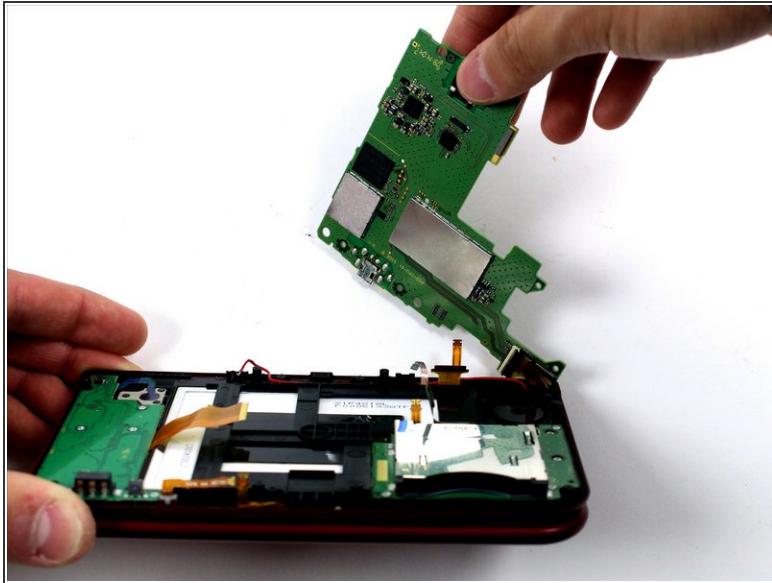
- Using tweezers, gently pull the five marked ribbons out of the ZIF connectors along the sides of the motherboard.
⚠ Note that these ZIF connectors are held in place by friction and do **not** have locks -- lifting the flaps on these connectors will break them!
- Three of the ribbon connectors have plastic clamping flaps that cover the ribbon to prevent slippage. Use the tweezers to flip them up before ribbon removal.
- When reassembling the device, be sure to flip the ZIF clamps back down.
- While the SD card reader is shown as removed in this photo, it is optional for the removal of the motherboard.

Step 14



- Using a JIS #000 screwdriver, remove six 4mm screws along the edges of the motherboard.

Step 15



- Carefully pivot the motherboard 90 degrees toward the hinges to reveal two more ZIF connectors on the underside of the motherboard.
- Both have latches that must be flipped up. The left, longer latch is black; the right, shorter one is white. Flip up the flaps, slide the ribbons out and remove the motherboard.

i Note which way the ribbons slide into their connectors carefully, as they are different.

Step 16 — Top Display Casing



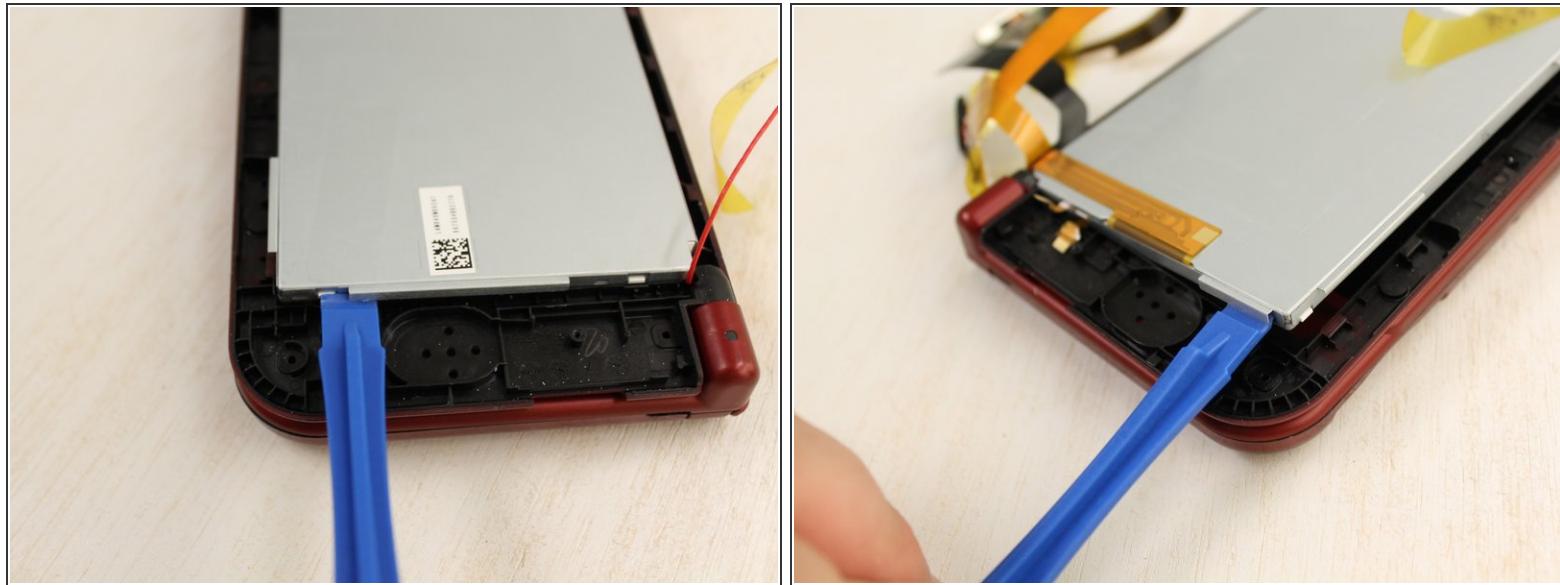
- Using a 1.5 flat head, remove the four red rubber stickers that are on the inside of the casing.
- Underneath the rubber is a silver sticky
- Using the PH00 screw driver, remove the screws.

Step 17



- Using a blue spudger, slide it around the sides to open the casing.
- The casing will become loose, and just lift the casing off.

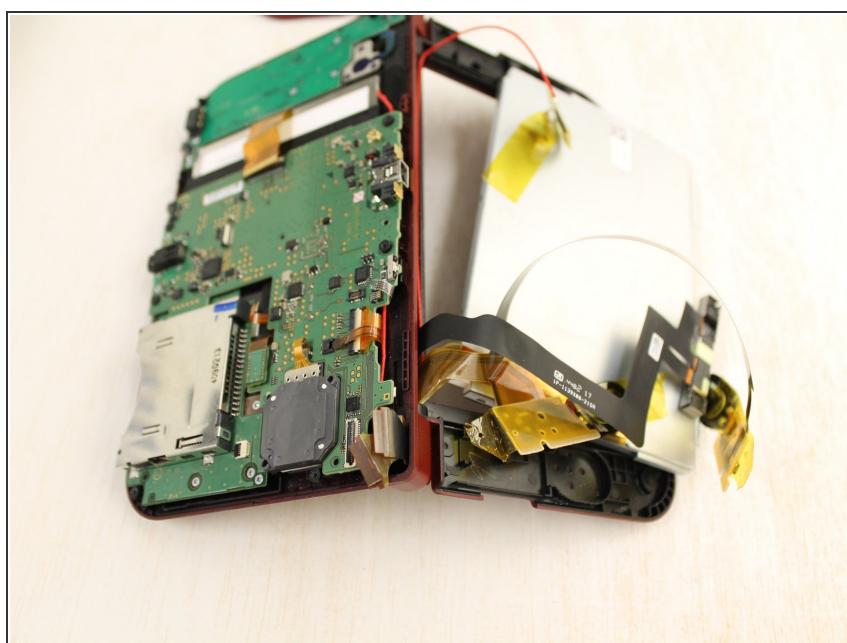
Step 18 — Upper Screen



 Make sure that all the taped parts are untaped from the Screen and moved onto the side.

- Using a plastic spudger, slightly lift it from underneath the lips and move it around the screen.
- Once it is loose, just lift.

Step 19



- The cables to the LCD are attached to the lower part of the DS's motherboard.

 Be careful pulling the cables through the DS, to prevent further damage.

- Make sure to replace all cables to the correct location.

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