



Nintendo 3DS Motherboard Assembly Replacement

Prerequisite guide for removing the motherboard...

Written By: David Hodson



INTRODUCTION

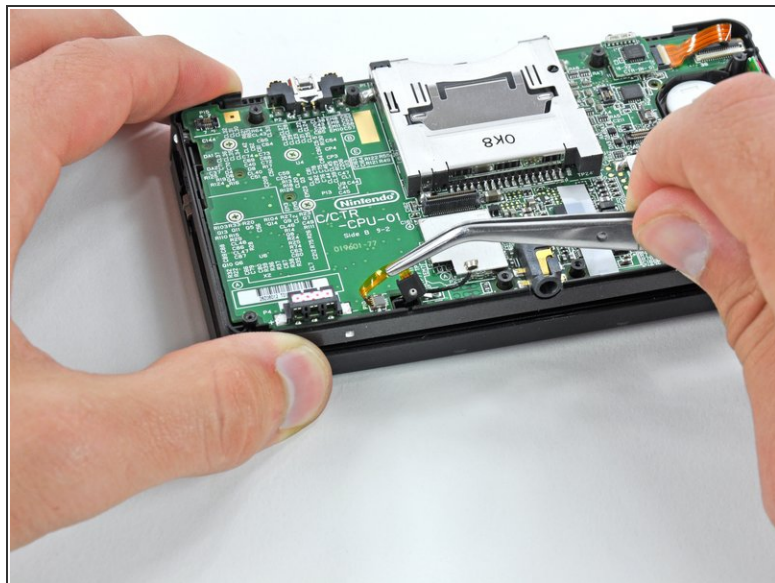
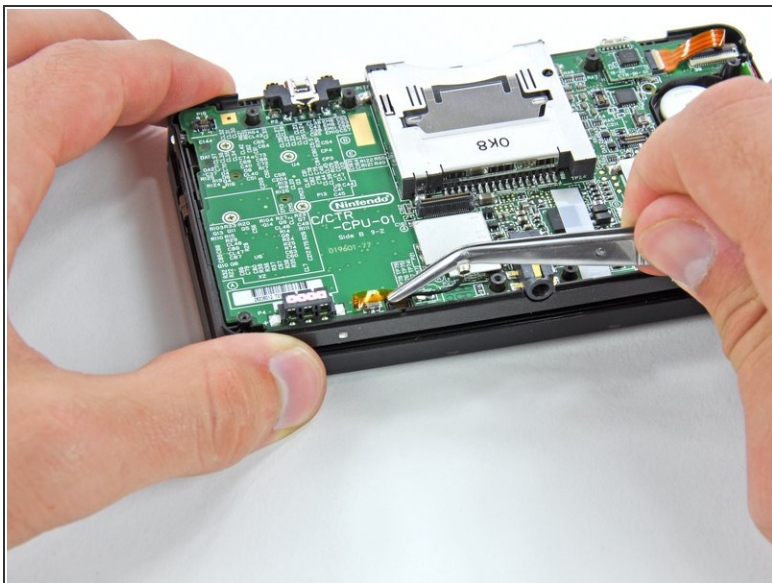
Prerequisite guide for removing the motherboard assembly.



TOOLS:

- [Tweezers](#) (1)
 - [iFixit Opening Tool](#) (1)
 - [Spudger](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
-

Step 1 — Motherboard Assembly



- Grasp the microphone ribbon cable near the microphone with a pair of tweezers.
- Pull the microphone straight up out of the upper case.

Step 2

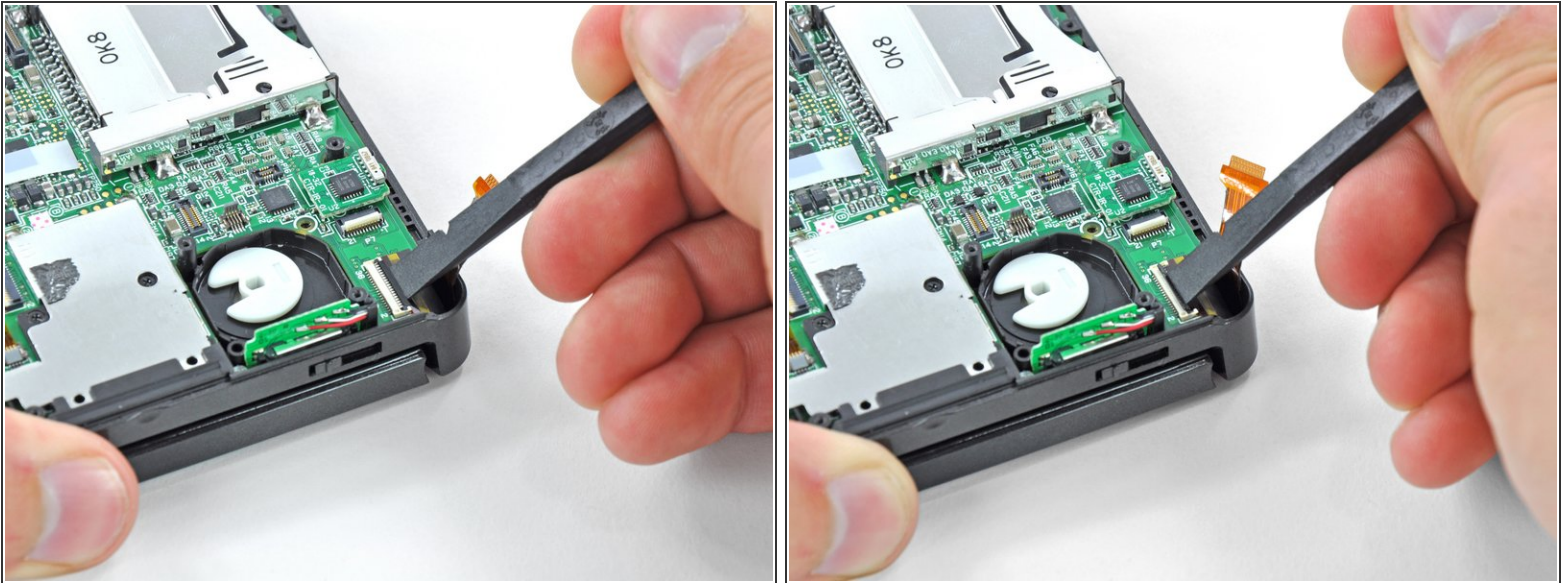


- Use the flat end of a spudger or your fingernail to flip up the retaining flap on the speaker assembly ribbon cable ZIF socket.

⚠ Be sure you are prying up on the hinged retaining flap, NOT the socket itself. Damaging the socket or cable will result in a 3DS that will blink its power LED when you press the power button - and do nothing else.

- Disconnect the speaker assembly ribbon cable with a pair of tweezers.

Step 3



- Use the flat end of a spudger or your fingernail to flip up the retaining flap on the camera ribbon cable ZIF socket.

⚠ Be sure you are prying up on the hinged retaining flap, **not** the socket itself.

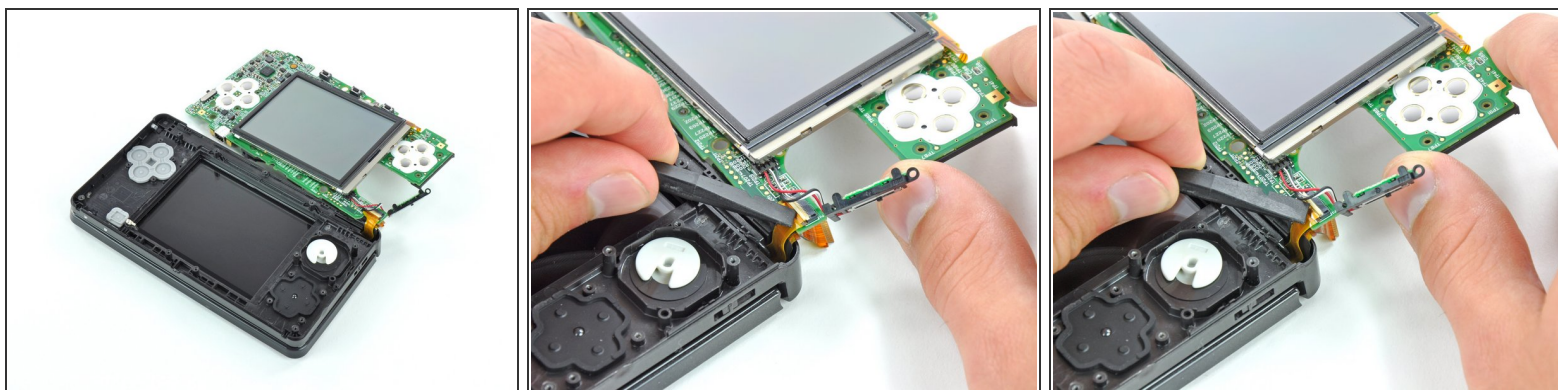
- ☑ When reassembling, note that the gold contacts face toward the motherboard (as opposed to the camera cable's gold contacts facing away).



Step 4



- Remove seven Phillips screws securing the motherboard to the upper case:
 - Four 2.5 mm gold screws
 - Two 3.5 mm black screws
 - One 2.5 mm silver screw
 - ⓘ When you remove this screw the volume slider can fall out.
- Lift the side of the motherboard that sits along the bottom edge of the 3DS.

Step 5



-  Continue lifting the motherboard assembly and rotate it until it is resting next to the rest of the device.
 - Use the flat end of a spudger or your fingernail to flip up the retaining flap on the LCD ribbon cable ZIF socket.
-  Be sure you are prying up on the hinged retaining flap, **not** the socket itself. Damaging the socket or cable will result in a 3DS that won't have a functional top screen.

Step 6



- Remove the motherboard assembly from the rest of the device.

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