



Nintendo DS Lite Motherboard Replacement

Prerequisite guide for motherboard removal.

Written By: Matthew Newsom



INTRODUCTION

Prerequisite guide for motherboard removal.

TOOLS:

- [Phillips #00 Screwdriver](#) (1)
 - [Spudger](#) (1)
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Step 1 — Motherboard



- Use the flat edge of a spudger to pry the microphone connector straight up from its socket on the motherboard.

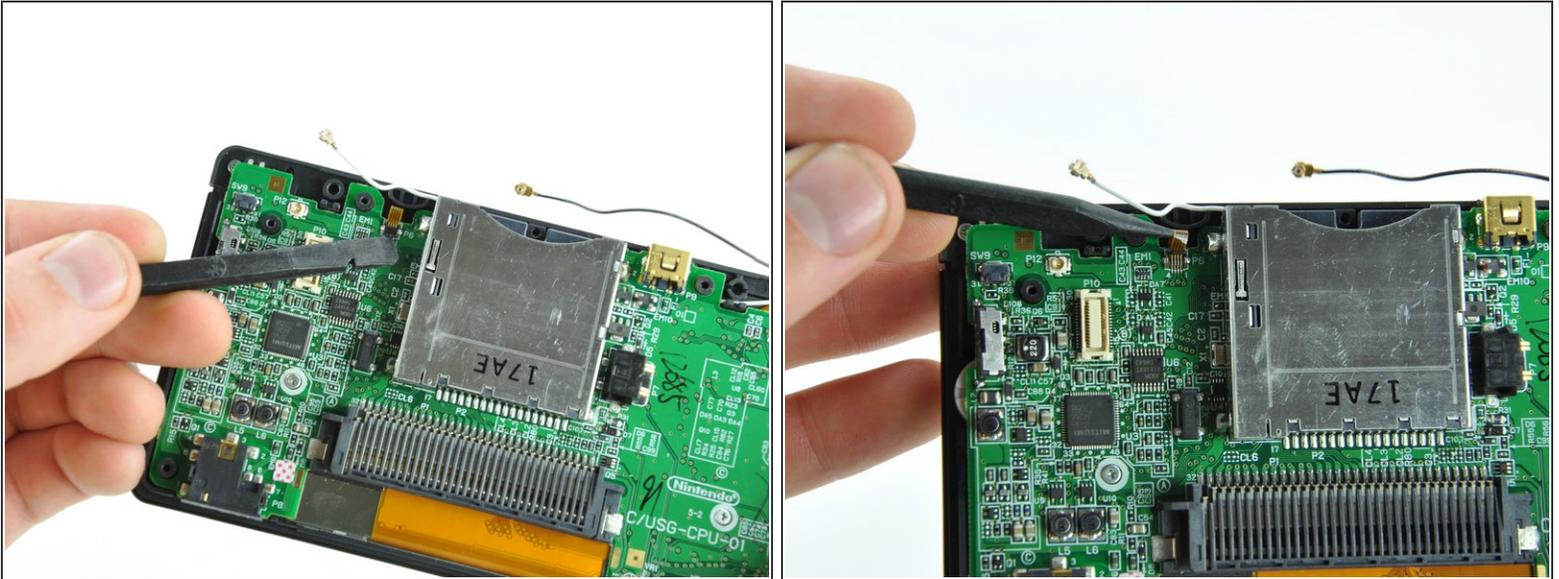
Step 2



⚠ In the following steps you must pull the antenna cable between the DS Lite game cartridge reader and motherboard. Pull slowly and stop when you feel resistance to avoid damaging the cable or motherboard.

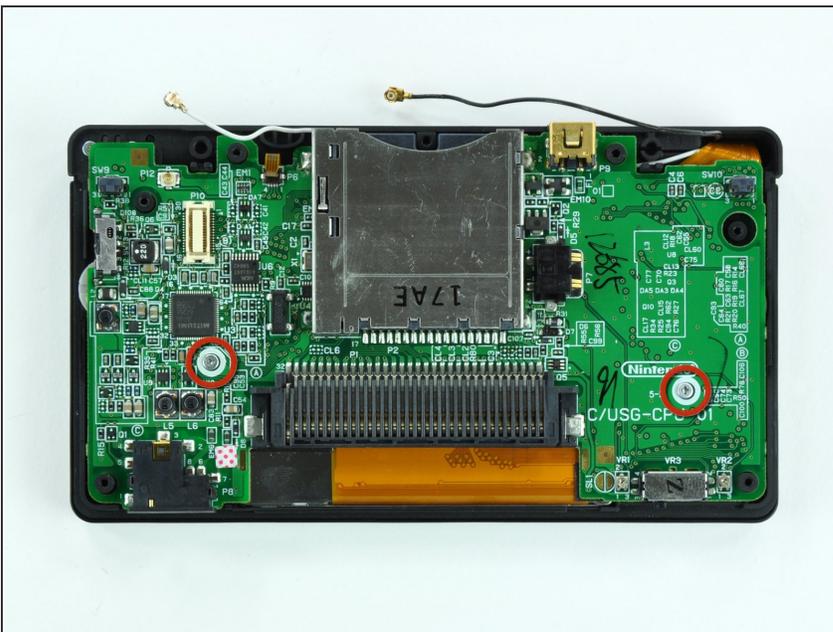
- Position the antenna cable with its connector facing up and away from the motherboard using a spudger to hold it down lightly in the gap between chips on the motherboard.
 - Slowly and carefully pull the antenna cable until the cable connector is under the DS Lite game cartridge reader.
 - Continue pulling the cable until the cable connector comes out from under the game cartridge reader on the right side.
- ✦** When reassembling and attempting to feed the antenna cable back under the game cartridge reader, the cable may kink or become difficult to feed through. If so, try feeding a piece of thread through first; then, tie the thread to one end of the cable connector and pull it through, guiding it past any obstructions.

Step 3



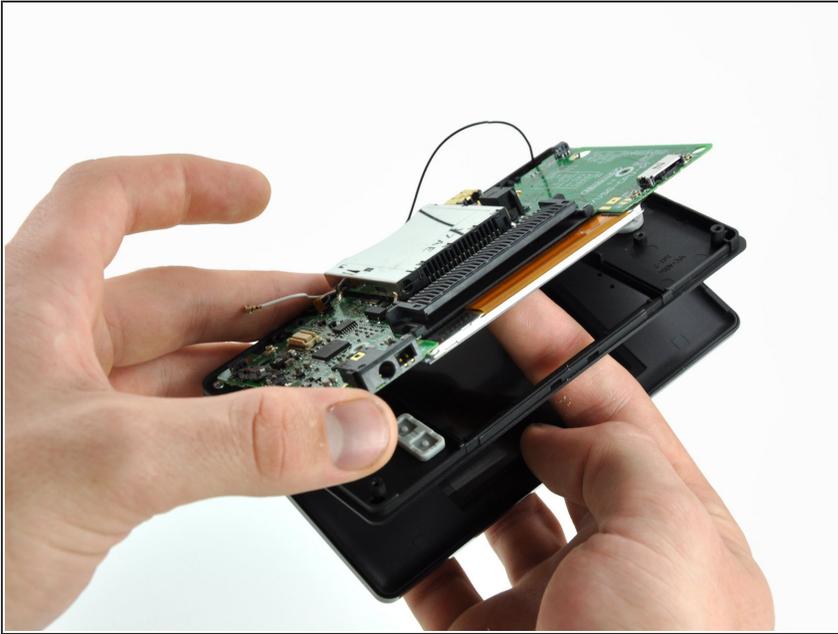
- Use your fingernail or the edge of a spudger to carefully flip up the touchscreen ribbon cable retaining flap.
- ⚠ Make sure you are flipping up the retaining flap, **not** the socket itself.
- Use the tip of a spudger to pull the touchscreen ribbon cable straight out of its socket.

Step 4



- Remove the two 3.4 mm Phillips screws securing the motherboard to the upper case.

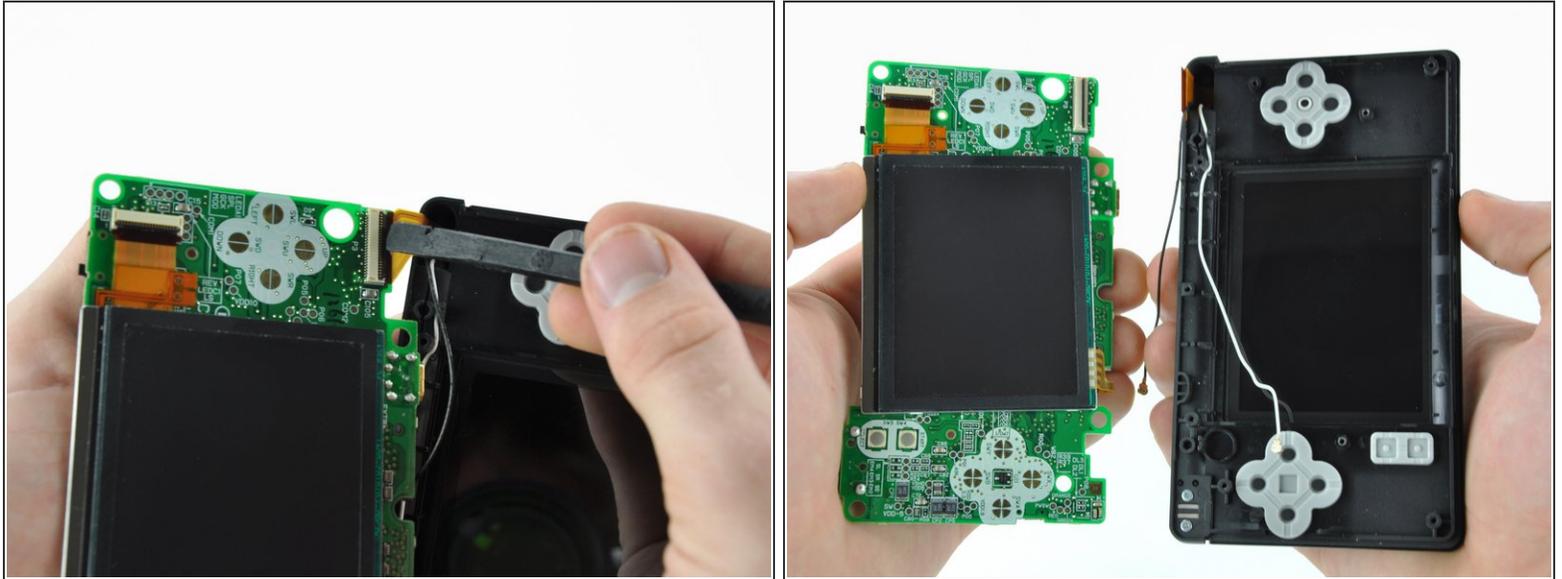
Step 5



- Open the display enough to use your finger to push the front edge of the motherboard up and away from the upper case.

⚠ Do not try to remove the motherboard, as it is still connected to the upper display via the upper LCD ribbon cable.

Step 6



- Use your fingernail or the flat edge of a spudger to carefully flip up the upper LCD ribbon cable retaining flap.
- ⚠ Make sure you are flipping up the retaining flap, **not** the socket itself.
- Pull the motherboard away from the DS Lite to separate the upper LCD ribbon cable from its socket on the motherboard.
- Remove the motherboard from the DS Lite.
- Now you may open the retaining flap for the lower LCD screen in the same way and separate the lower LCD screen from the motherboard.

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