Nexus 7 I/O Assembly Cable Replacement

Replace the I/O Assembly Cable in your Nexus 7.

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INTRODUCTION

Use this guide to replace the I/O Assembly cable (includes the headphone jack and micro-USB port).

TOOLS:

- Phillips #00 Screwdriver (1)
- iFixit Opening Tools (1)
- Spudger (1)

PARTS:

- Nexus 7 (1st Gen) Charging Assembly and Headphone Jack (1)

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Step 1 — Rear Panel

(i) In the following steps you will release the clips (highlighted in red) along the perimeter of the Nexus 7's rear panel.
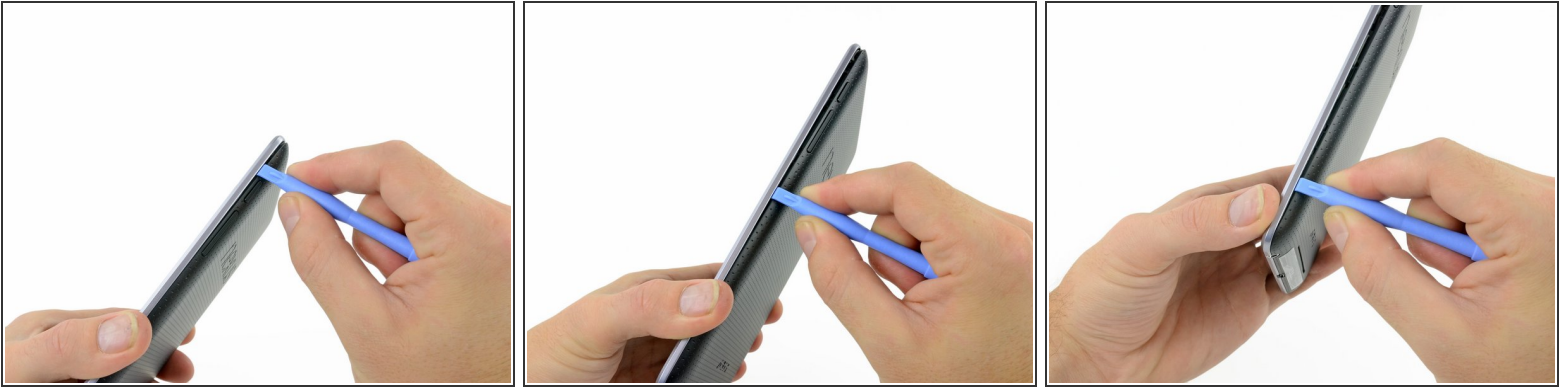
⚠ Do not use excessive force while prying the clips. They can be easily broken.

Step 2

- Gently insert a plastic opening tool near the top of the Nexus 7 between the rear panel and the front panel assembly.

- Carefully run the plastic opening tool along the top edge to pry the rear panel away from the front panel assembly of the Nexus 7.

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Step 3

- Insert the plastic opening tool between the rear panel and the front panel assembly near the power button and pry up at several points along the right edge of the Nexus 7.
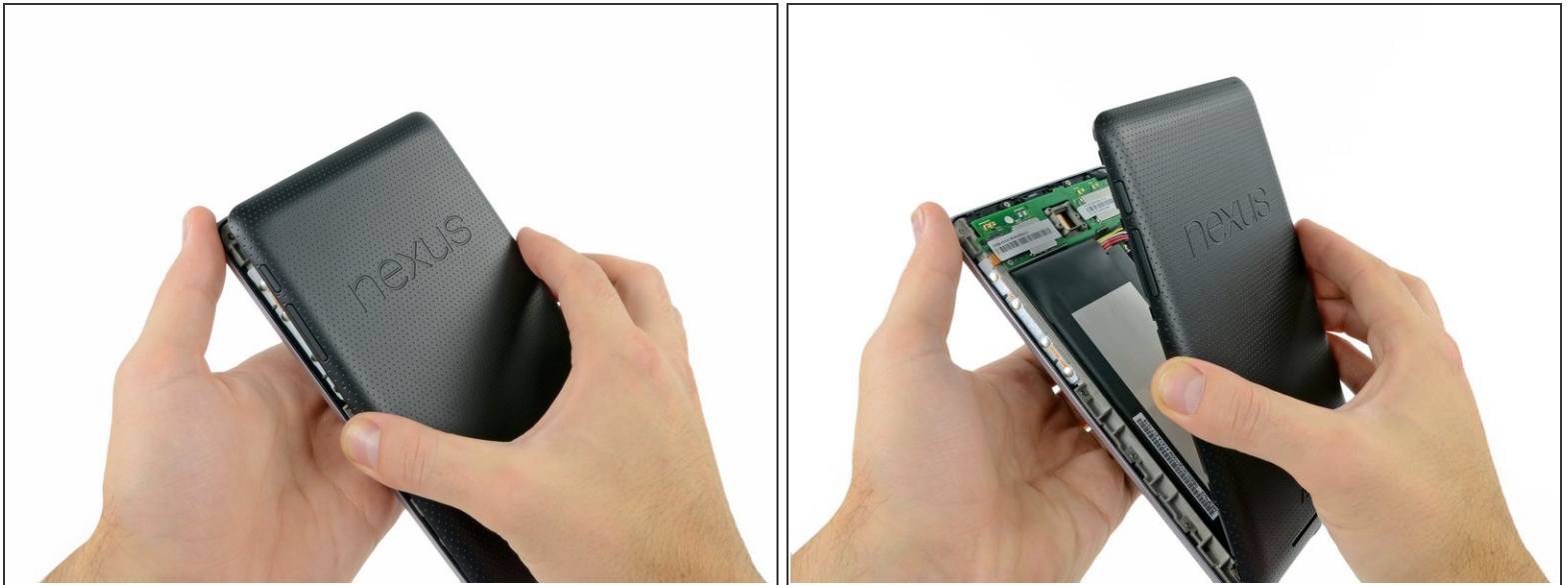
Step 4

- Pry up the rear panel along the left edge using the method described in previous steps.

Step 5

- Gently lift and remove the rear panel up off the front panel assembly.

Step 6 — Battery Cable

- Using the tip of a spudger, push first on one side then the other to "walk" the battery cable straight out of its socket on the motherboard.

Step 7 — Speaker Cable

- Peel back the copper ESD shielding covering the bottom of the motherboard.

- ⚠ Do not try to remove the copper shielding, as it is still attached underneath the battery.
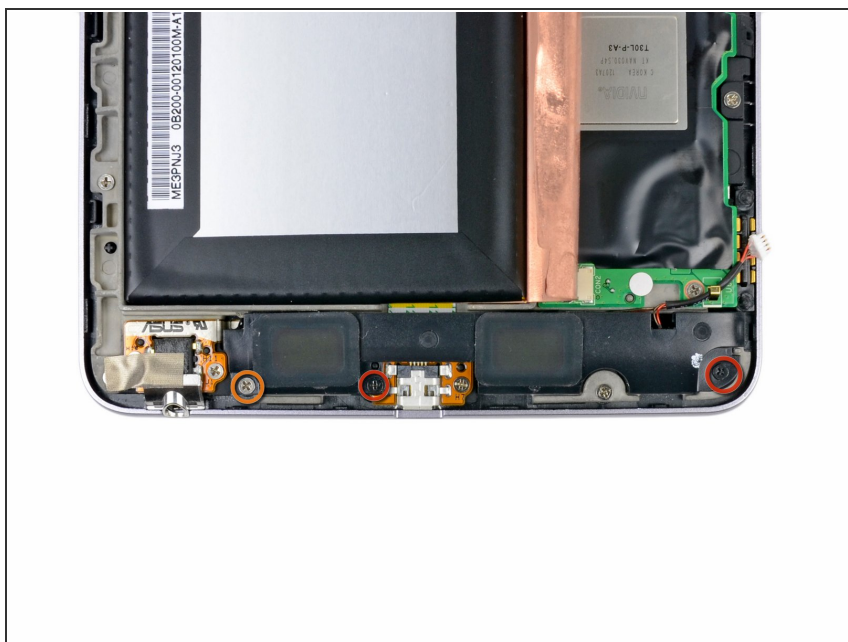
- If you're just replacing the micro usb charge port, there is no need to peel back the copper heatsink like in the photo, the speaker assembly can simply be moved out of the way once unscrewed. If the speakers are to be replaced simply peel back the bottom corner to expose the speaker connection. Leave the rest of the heatsink shield alone.

Step 8

- Using the tip of a spudger, push the speaker cable straight out of its socket on the motherboard.

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Step 9 — Speaker Assembly

- Remove the following screws securing the speaker assembly to the display assembly:
  - Two 4.25 mm black Phillips screws
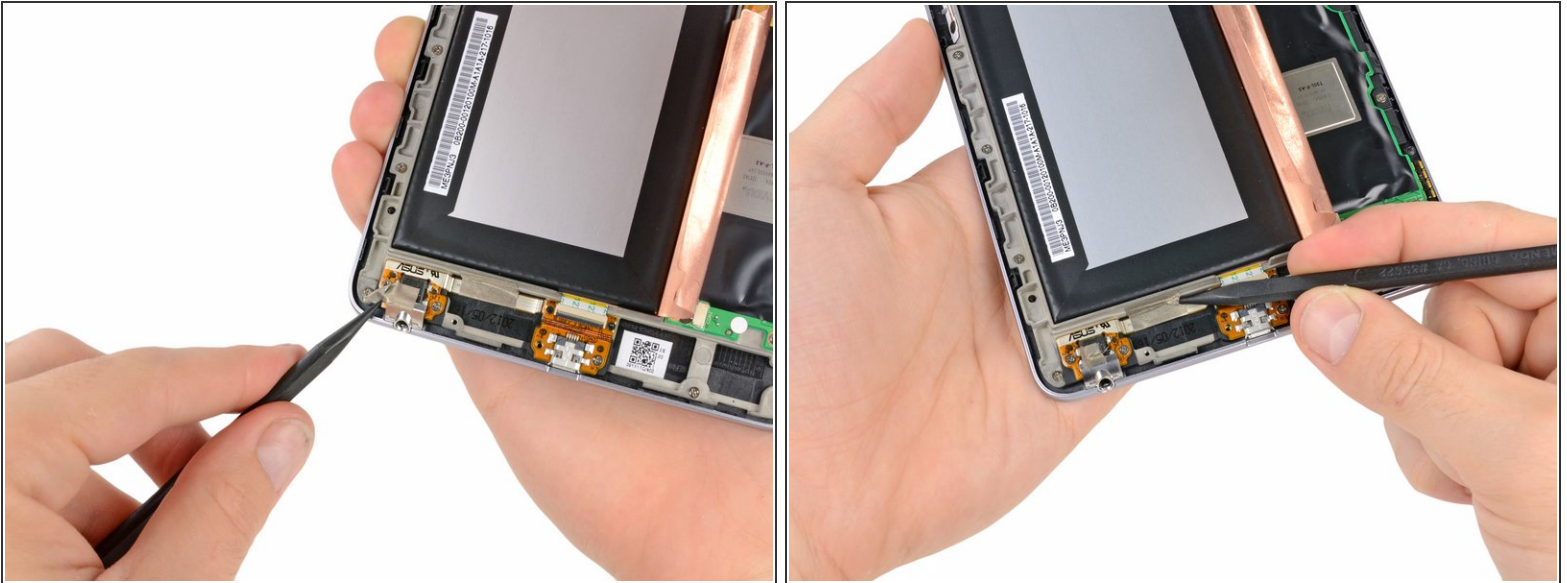 - One 3.2 mm silver Phillips screw

Step 10

- Lift and remove the speaker assembly out of the Nexus 7.

Step 11 — I/O Assembly Cable

- Use the tip of a spudger to peel back the cloth tape covering the headphone jack and the I/O assembly cable.

- ⓘ There is no need to completely remove the tape. Just peel it back enough so that the tape is only adhering to the ribbon cable and not the metal frame.
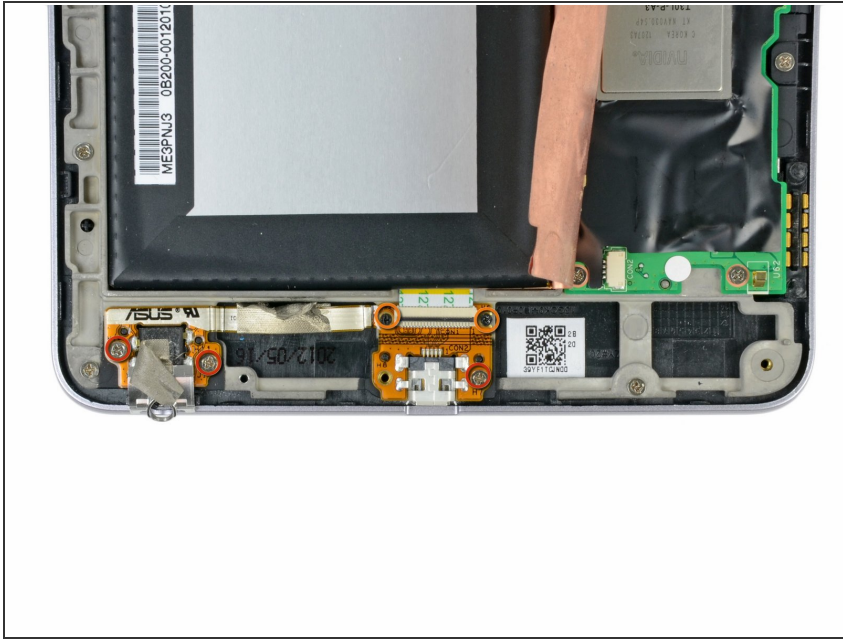
Step 12

- Use the tip of a spudger to flip up the retaining flap on the I/O assembly data ribbon cable ZIF socket.

- ⚠ Be sure you are prying up on the hinged retaining flap, not the socket itself.The hinged retaining flap is the black piece which flips up easily with the spudger.

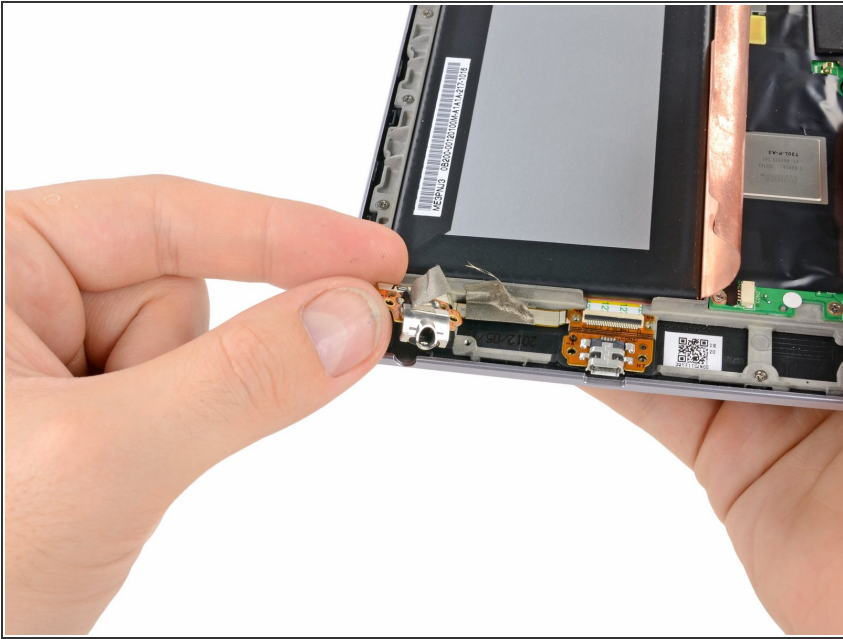This document was generated on 2020-11-13 01:38:25 PM (MST).

Step 13

- Remove the following screws securing the I/O assembly cable to the Nexus 7:
  - Three 3.2 mm silver Phillips screws
  - Two 2.3 mm black Phillips screws

Step 14

- Without stressing the cable, and minding any tape that may still be holding the cable in place, gently lift the headphone jack up off its placement pins.

Step 15

- In a similar fashion, lift the micro-USB port up off its retaining pins.

- Lift and remove the I/O assembly cable out of the Nexus 7.

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

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