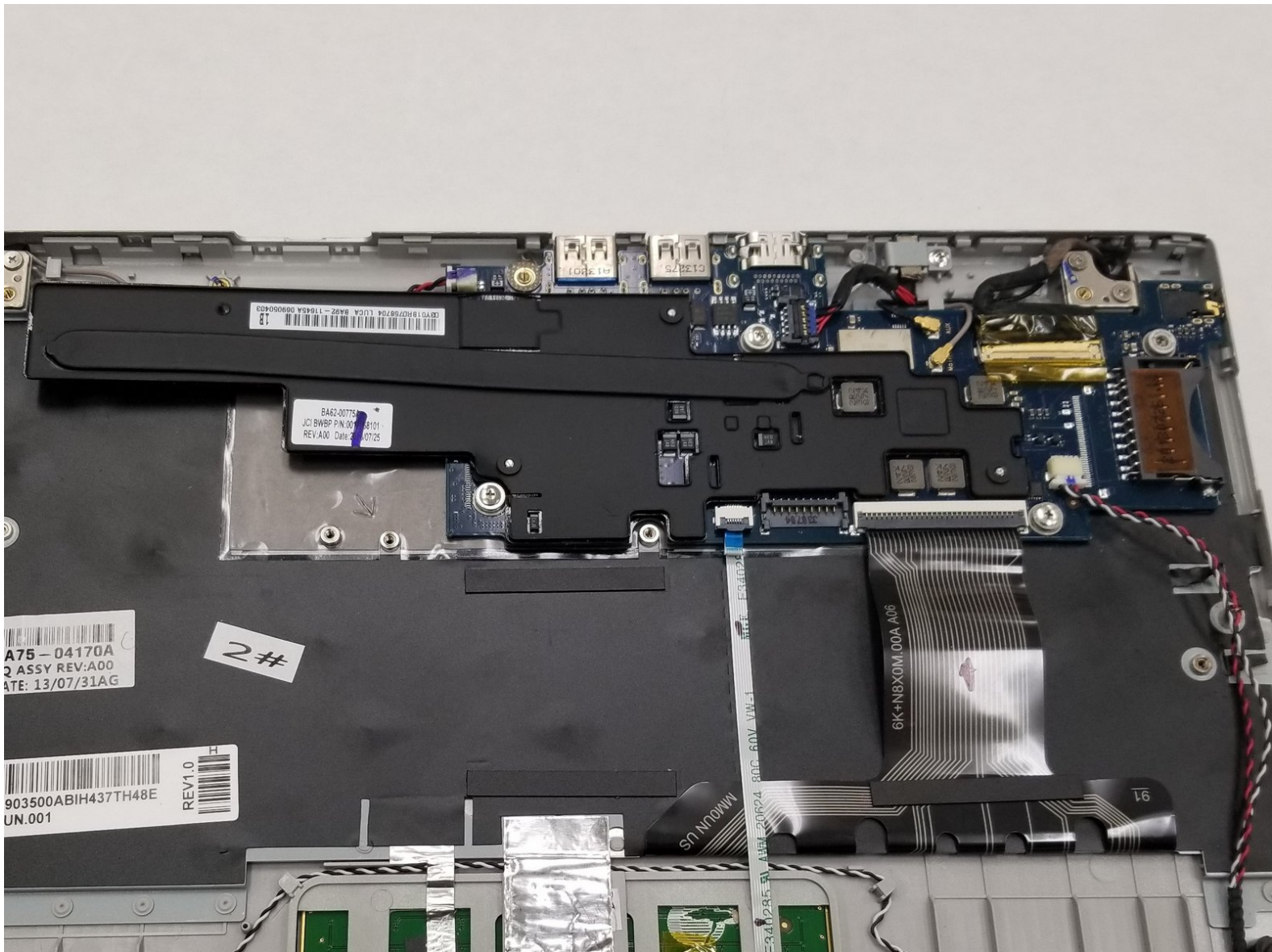




Samsung Chromebook Series 3 Motherboard Replacement

How to take out and replace the Motherboard on a Samsung Chromebook Series 3 (XE303C12-A01US)

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This document was generated on 2019-09-20 06:43:08 PM (MST).

INTRODUCTION

This guide will demonstrate how to take out and replace the Motherboard in a Samsung Chromebook Series 3.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)



PARTS:

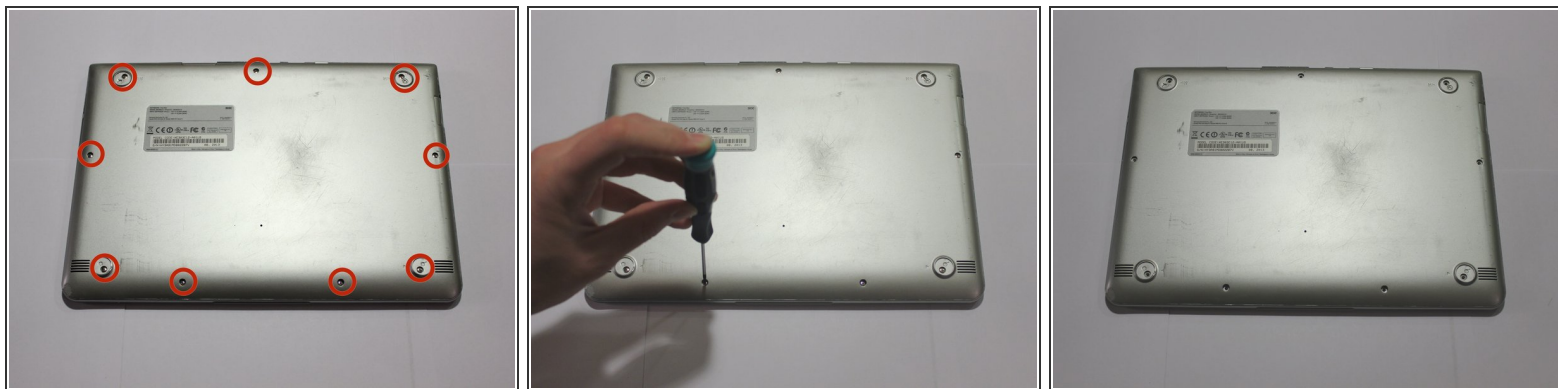
- [Samsung Chromebook XE303C12 Bottom Cover](#) (1)
- [Samsung Chromebook XE303C12 Battery](#) (1)

Step 1 — Bottom Cover



- Lay the Chromebook down so that the bottom cover is facing up.
- Remove the rubber feet on the four corners of the Chromebook in order to get to the screws underneath. They are stuck on with an adhesive.

Step 2



- Remove the nine 4.7 mm screws on the bottom cover using a Phillips #00 screwdriver.

Step 3



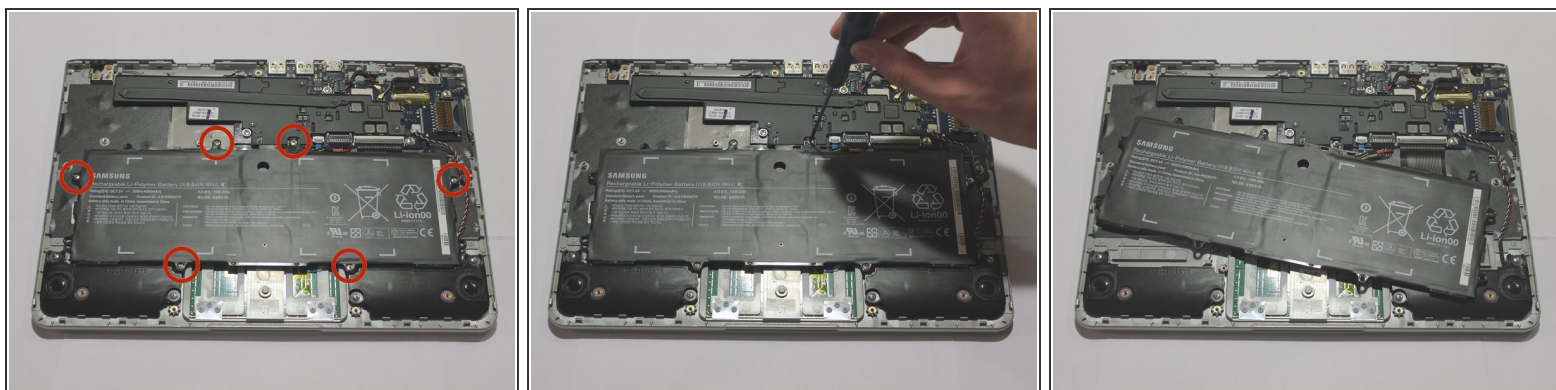
- Pry up the plastic strip on the back of the Chromebook using a plastic opening tool.
- i** It is not necessary to remove it completely. It just needs to be separated from the bottom cover.

Step 4



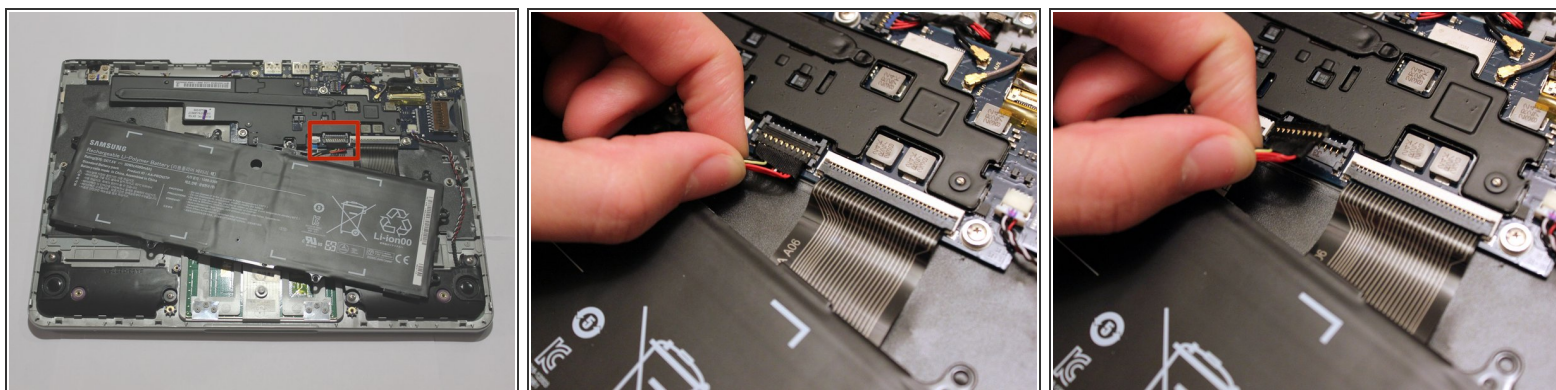
- Pry off the bottom cover using a plastic opening tool.

Step 5 — Battery



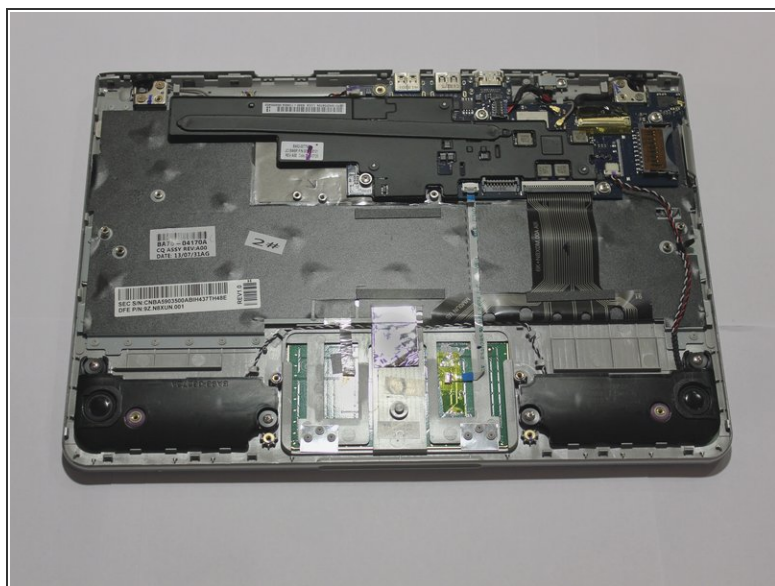
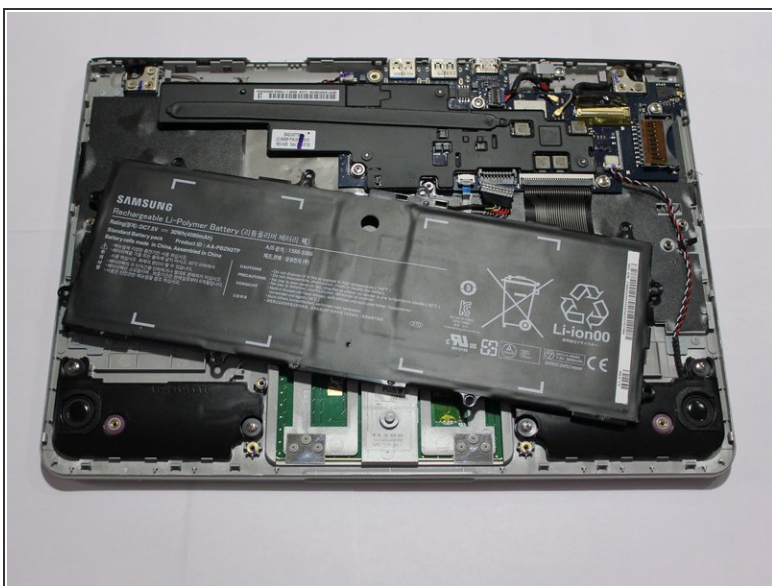
- Remove six 3.5 mm screws holding the battery using a Phillips #00 screwdriver.
- Pull out the battery partway in order to easily get to the battery connector.

Step 6



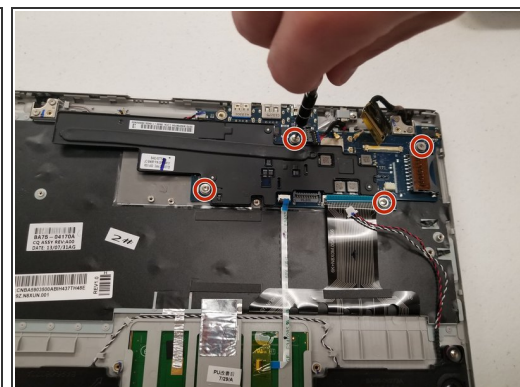
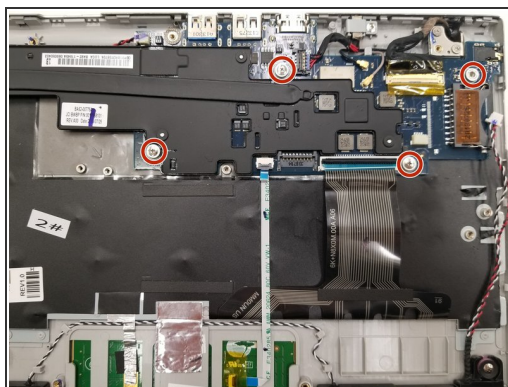
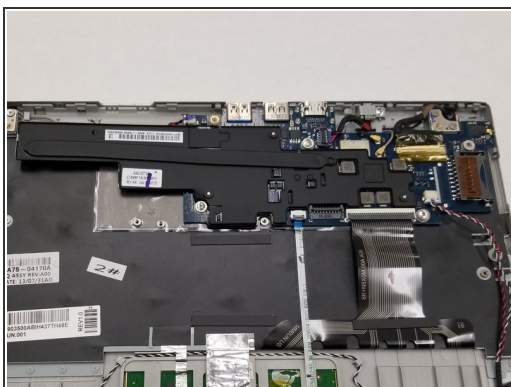
- Disconnect the battery connector by pulling straight up at its base.
- ☑ When reassembling, simply position the connector above it's original place, and push down.

Step 7



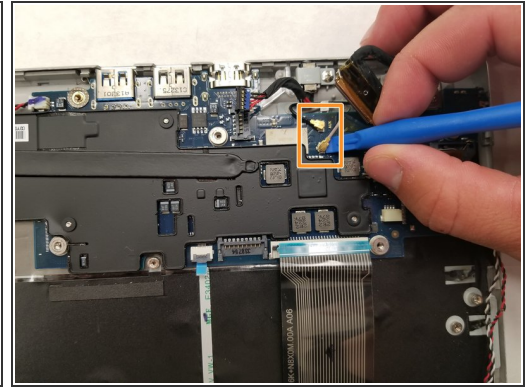
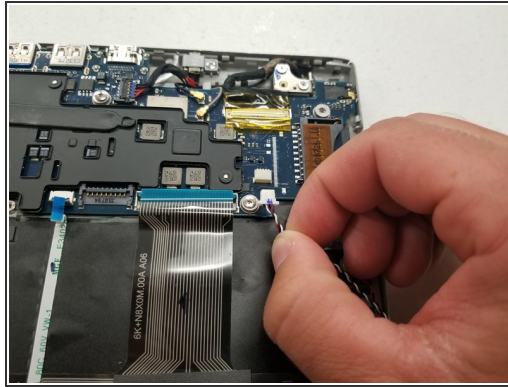
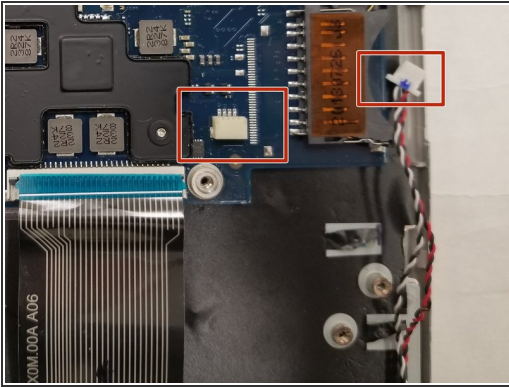
- You can now remove the battery.

Step 8 — Motherboard



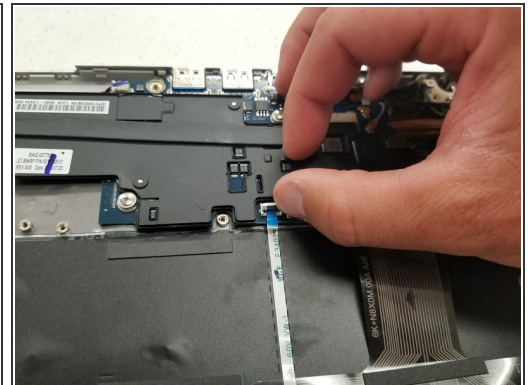
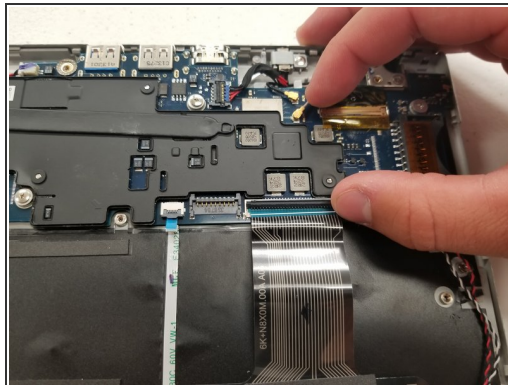
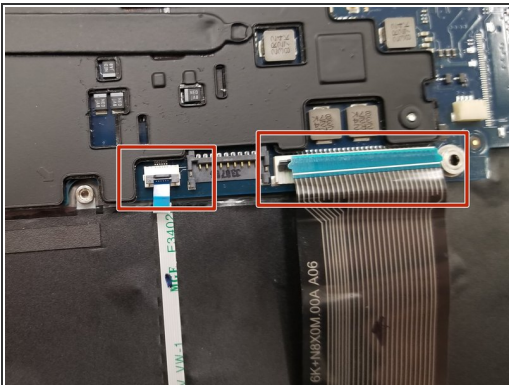
- Unscrew the four 3.1 mm screws holding the motherboard with a Phillips #00 screwdriver.

Step 9



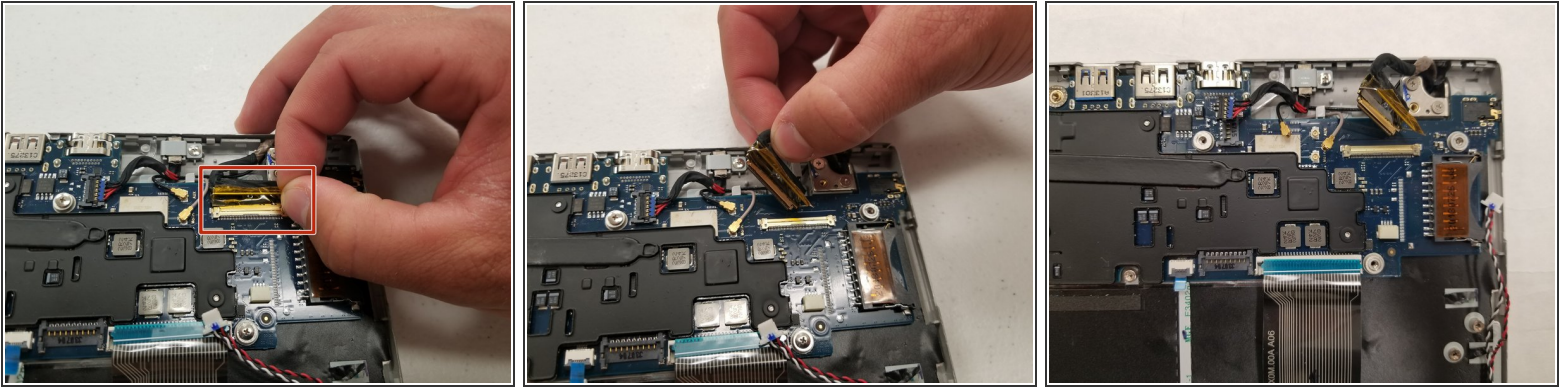
- The audio cable can be removed by simply pulling gently.
- Use the iFixit opening tool to pop out the 2 antennae lines from the motherboard.

Step 10



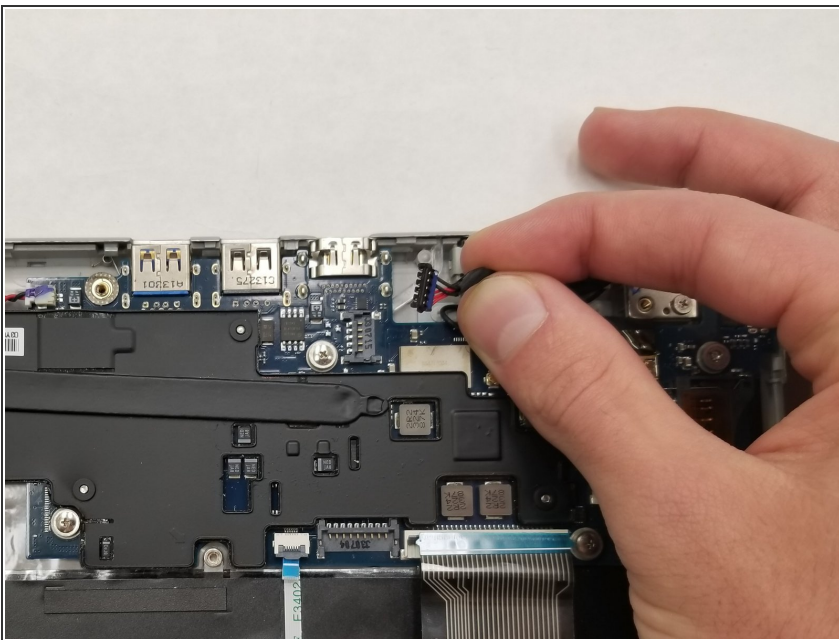
- Now, disconnect the keyboard and trackpad ribbon cables.
 - This requires lifting the lever securing the cables to free them, and then gently pulling them out.

Step 11



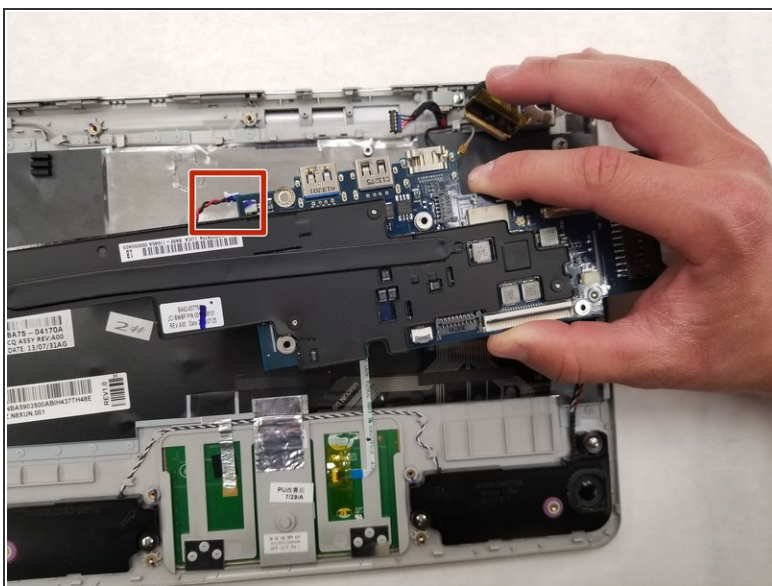
- The screen cable is secure in place by a lever. Lift the lever to release it, then gently pull it out.

Step 12



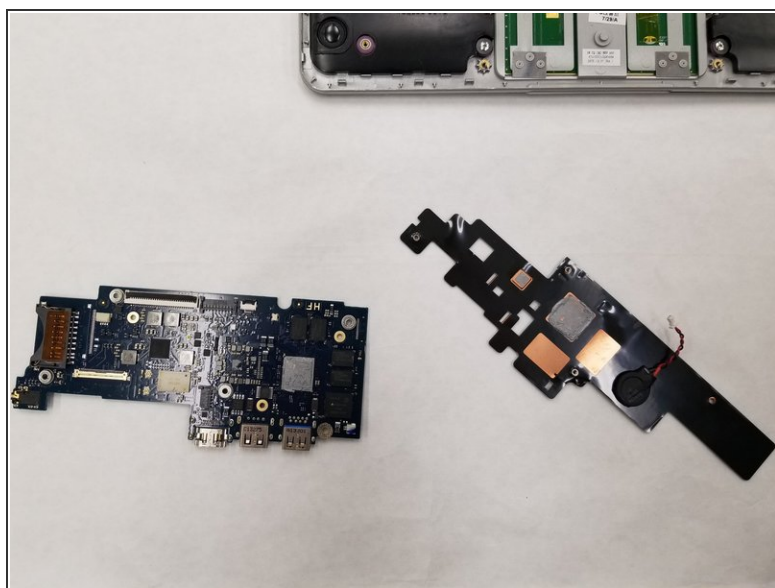
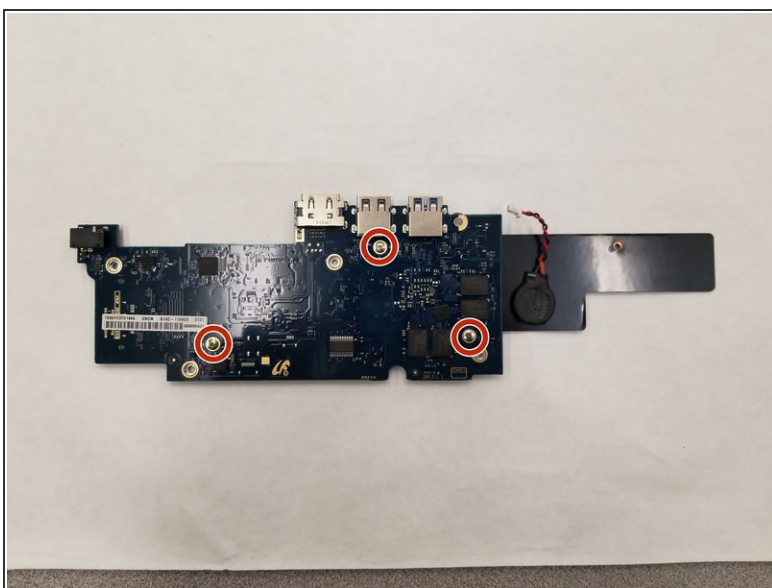
- This cable comes out by just pulling gently.

Step 13



- Lift the motherboard out of place and pull out the CMOS battery cable.

Step 14



- Finally, remove the three 3.1 mm screws with the Phillips #00 screwdriver to remove the plastic cover and completely free the motherboard.

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