Asus Chromebook C523N Keyboard Replacement

How to replace an Asus Chromebook C523N keyboard.

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INTRODUCTION

If keys on the keyboard stick or are unresponsive when pressed for the Asus Chromebook C523N, use this guide to replace your keyboard. Before starting this guide, make certain that the Chromebook is not connected to power and is powered off.
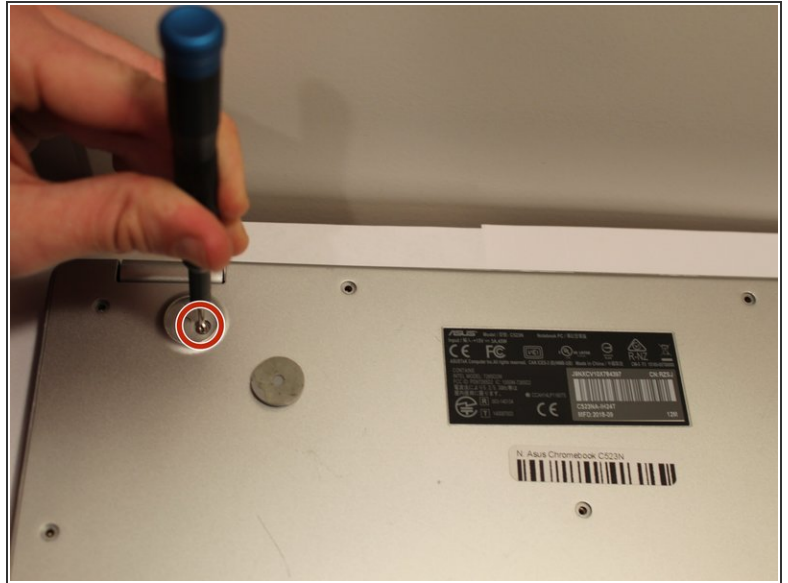
🔧 TOOLS:

- Spudger (1)
- J00 JIS Screwdriver (1)
- iFixit Opening Tools (1)
- Nylon Tipped Tweezers (1)

Step 1 — Back Cover
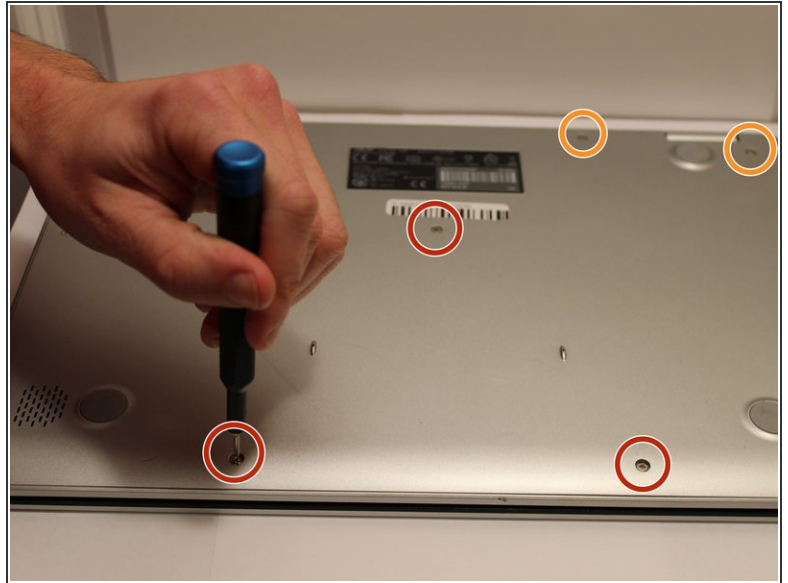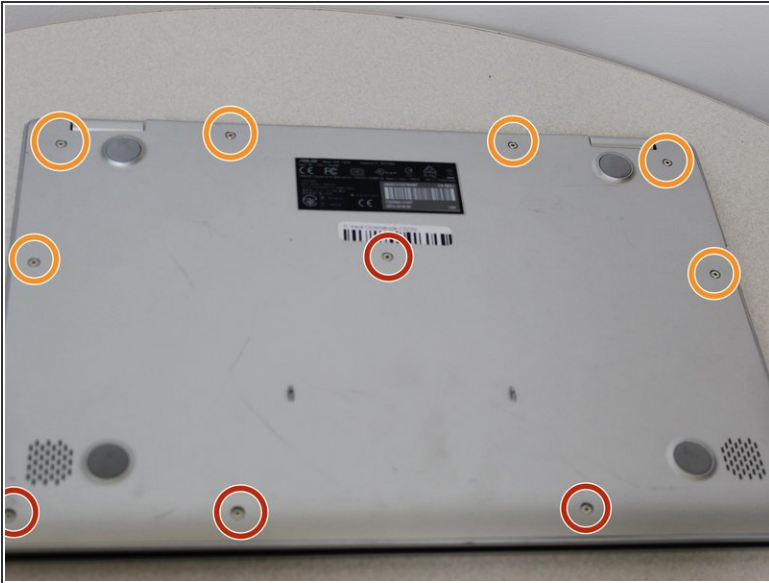
- Remove the four 0.5mm JIS #00 screws from the bottom edge of the Chromebook and one in the center.

- Remove the six 1.7mm JIS #00 screws from the sides and top edge of the Chromebook.

Step 2

- Using a spudger, lift the top left base pad and remove it to reveal a final screw underneath.

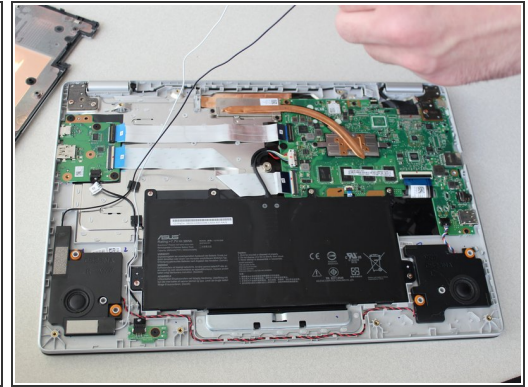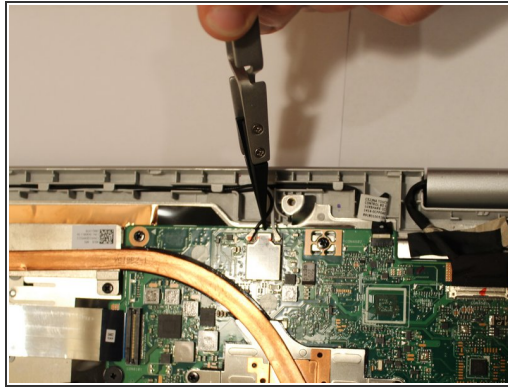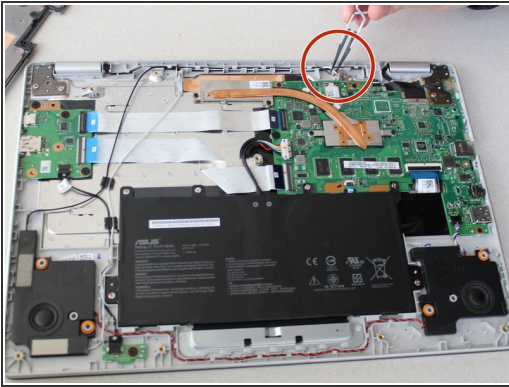- Remove the one 0.5mm JIS #00 screw underneath the base pad.

Step 3

- Use an opening tool to gently pry the base enclosure up and remove from the laptop.

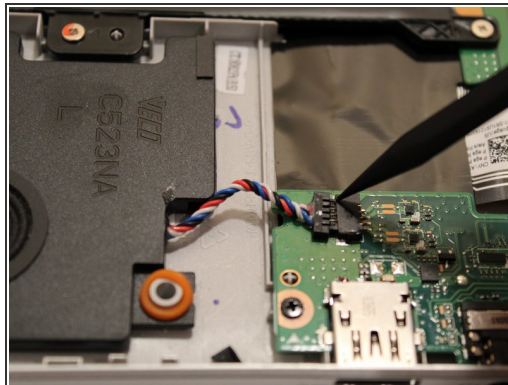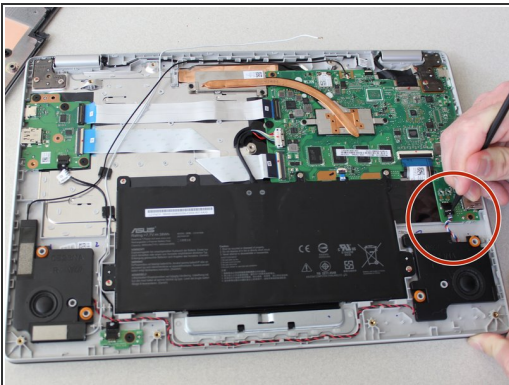This document was generated on 2020-04-15 07:54:24 PM (MST).
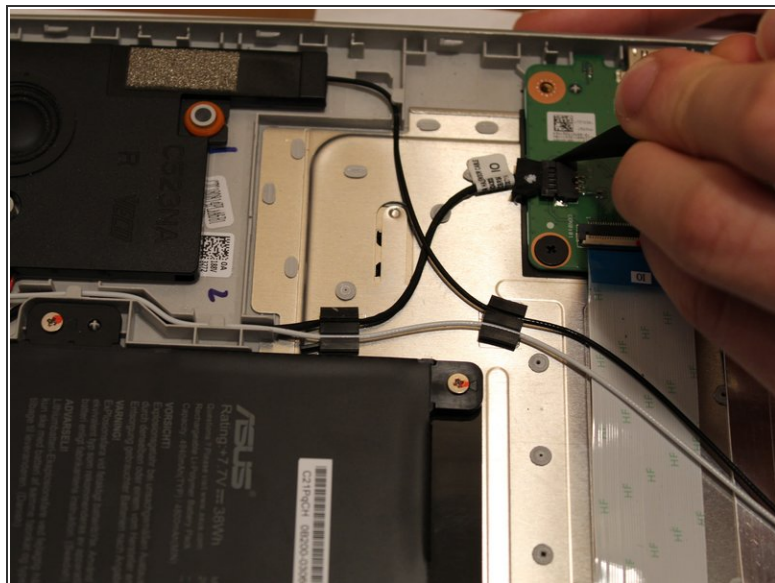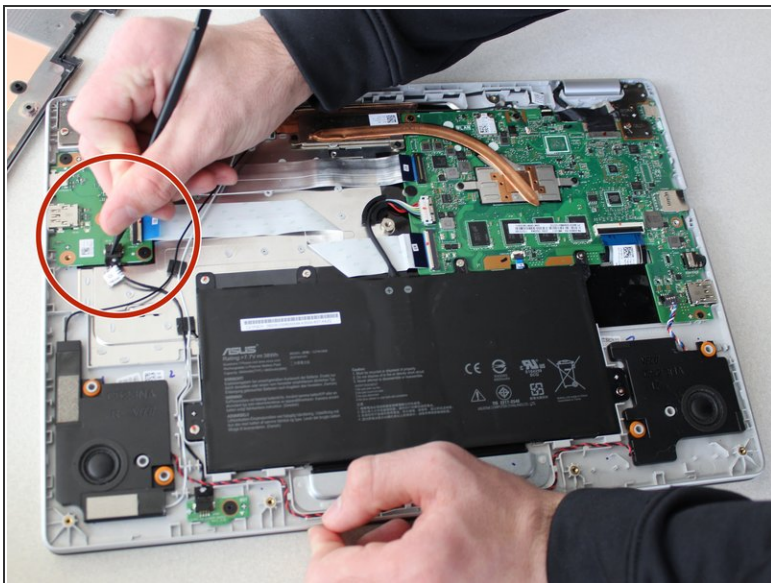
Step 4 — Speaker

- Using the nylon tipped tweezers, gently pry the black and white wires from the wireless card and lift.
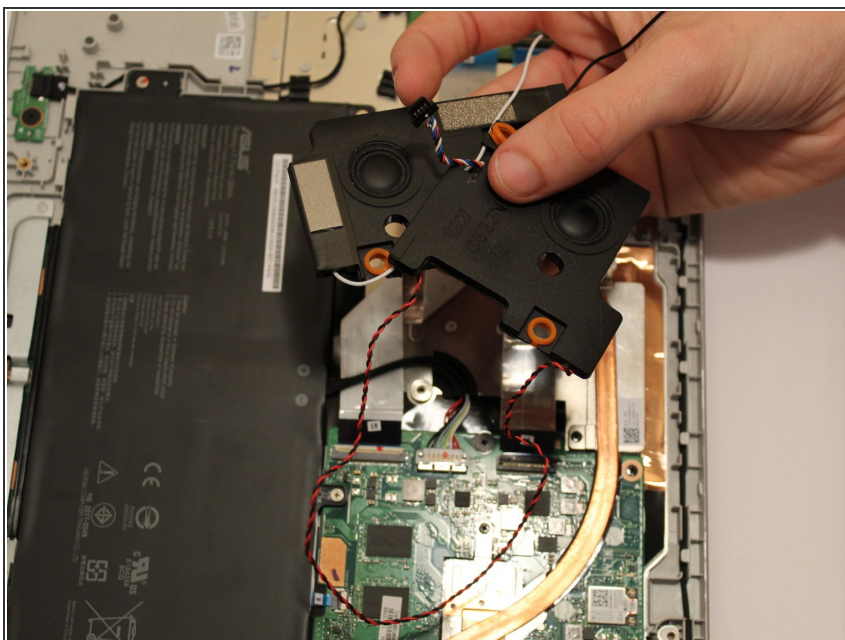
Step 5

- Use a spudger to pry the small tangle of black, red, white, and blue wires from the audio connector, pushing the wires back toward the speaker.

Step 6

- Use a spudger to pry the black wire from the audio connector, pushing the wires back toward the left speaker.
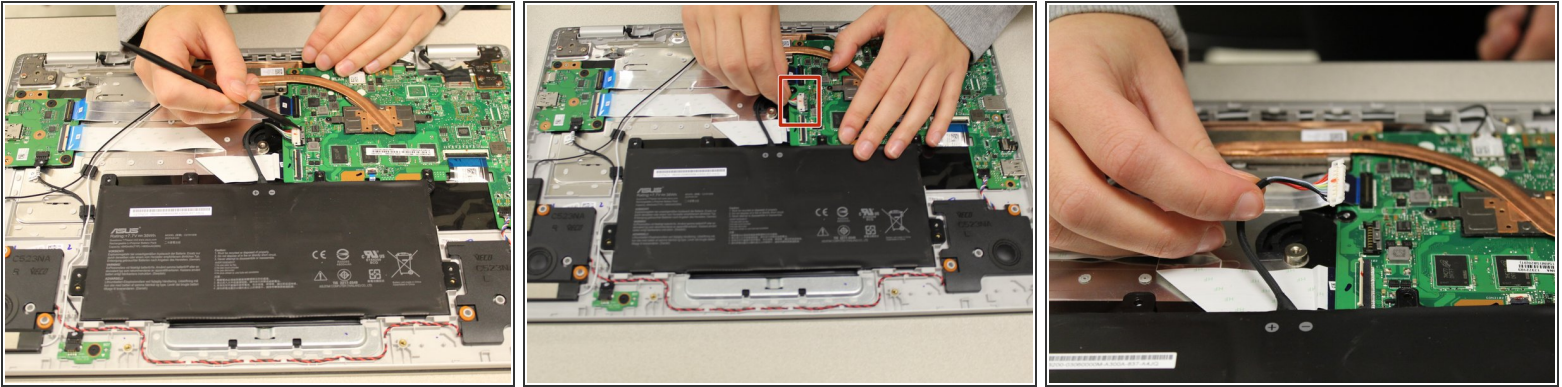
Step 7

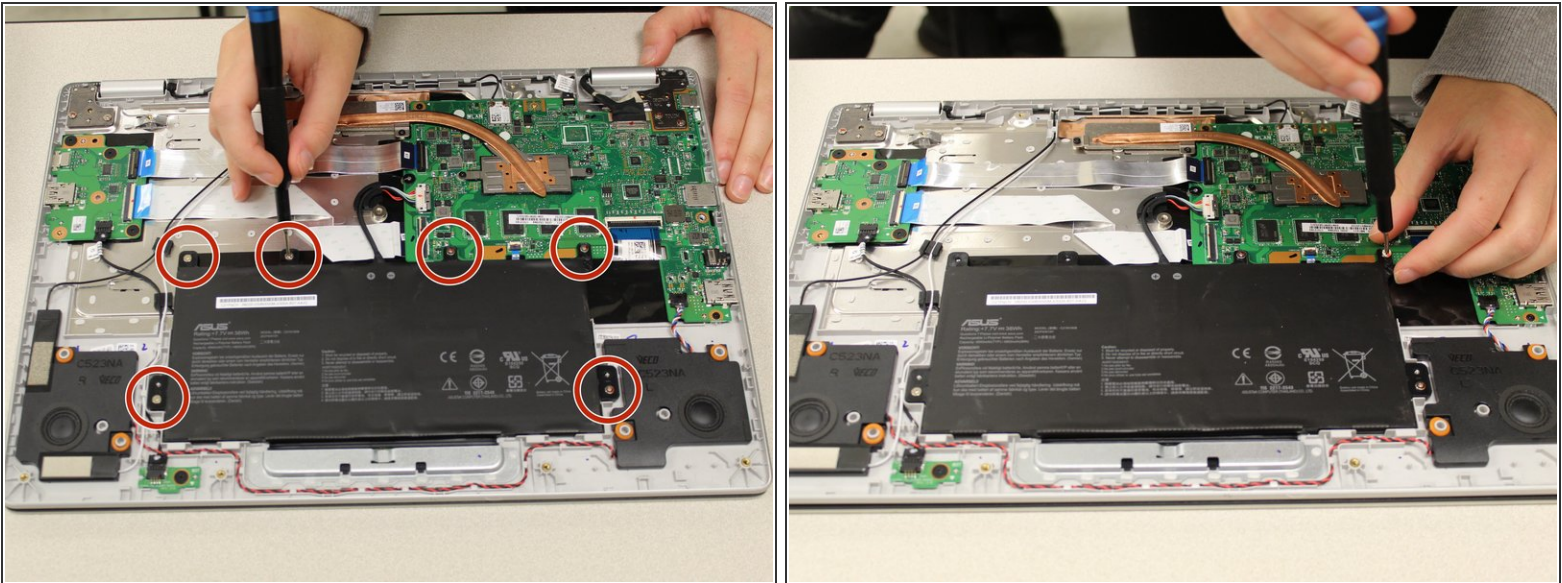- Gently grab both speakers and lift them from the Chromebook to remove.
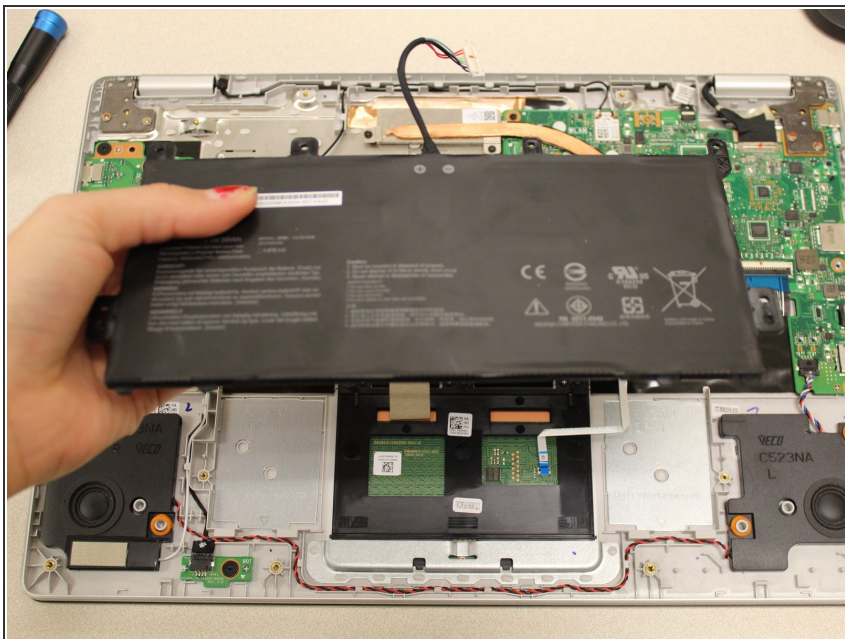
Step 8 — Battery

- Using a spudger, gently push back the small metal piece where the cord connects to the motherboard.

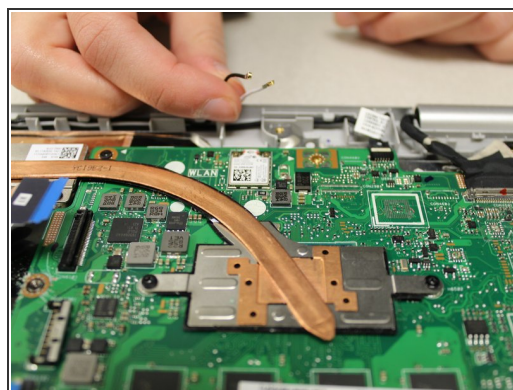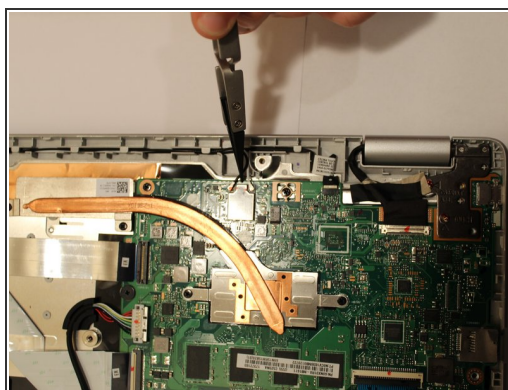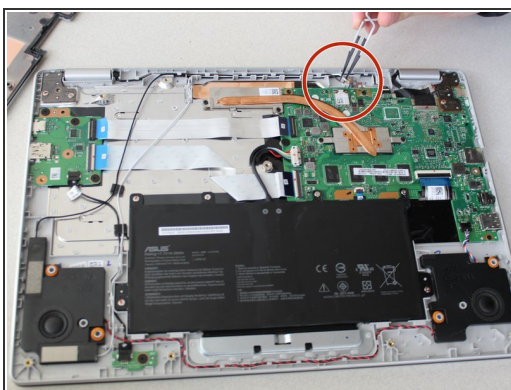- Gently disconnect the battery cable from the motherboard.

Step 9

- Remove six 1.4mm JIS #00 screws from the battery.
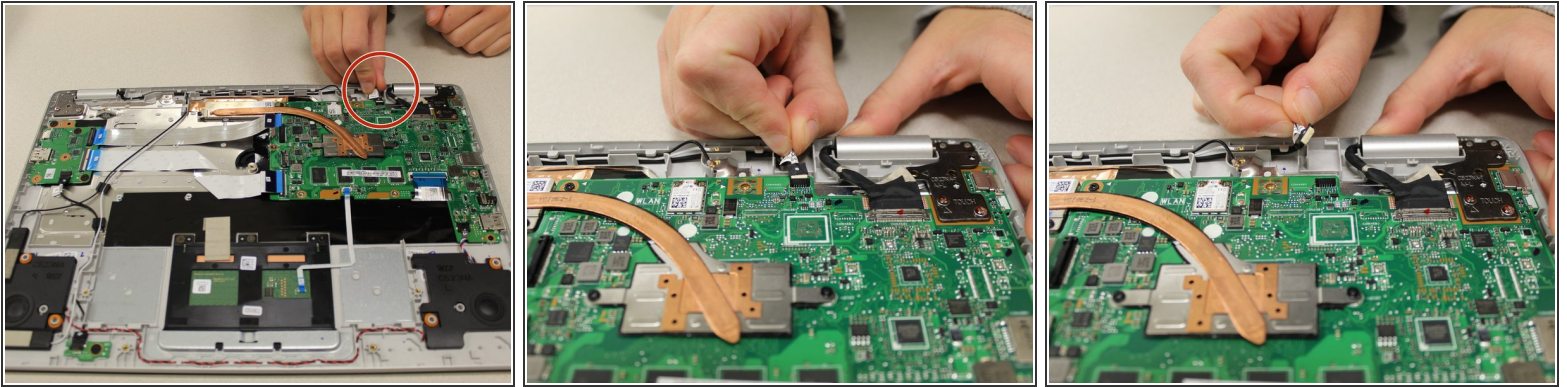
Step 10

● Remove the battery from the laptop.

Step 11 — Motherboard

● Using tweezers, gently pry the black and white wires from the wireless card and lift.

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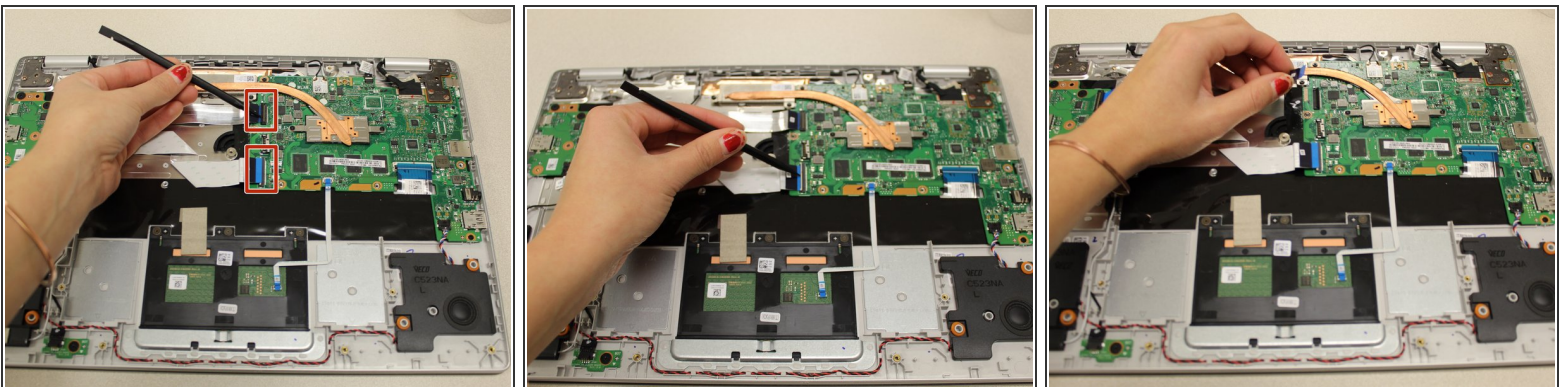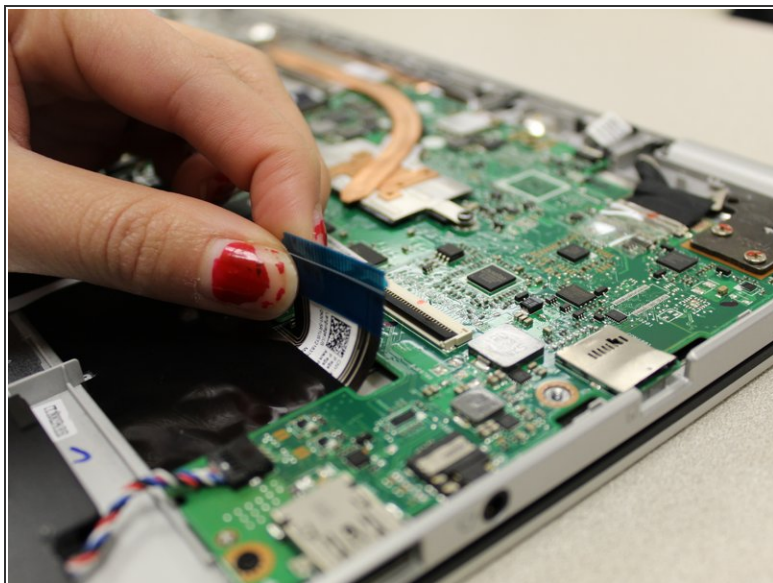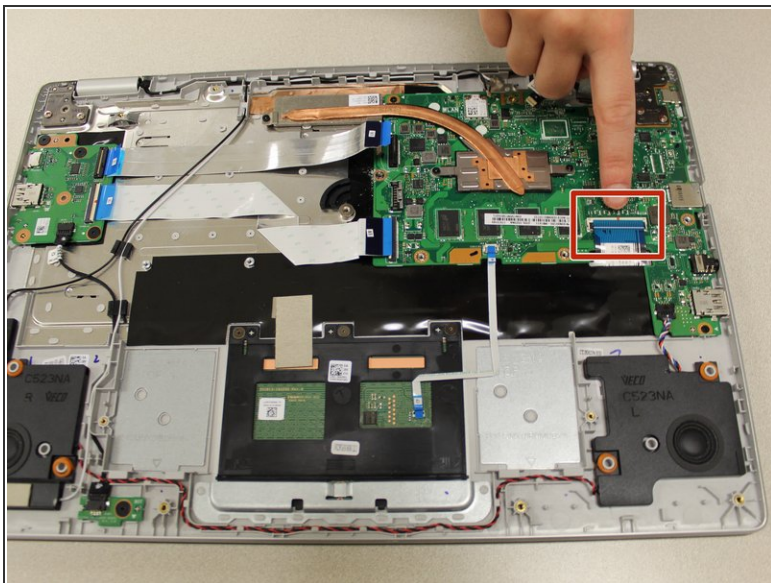
Step 12

- Gently pull the trackpad cable from the connector, located next to the wireless card.
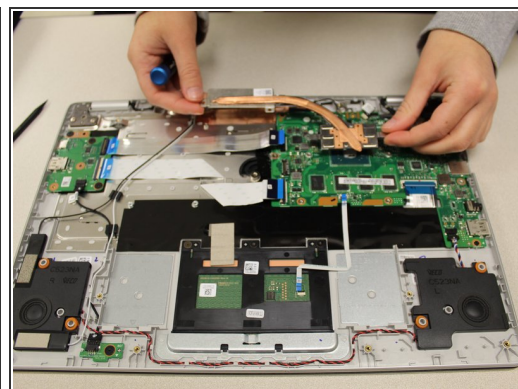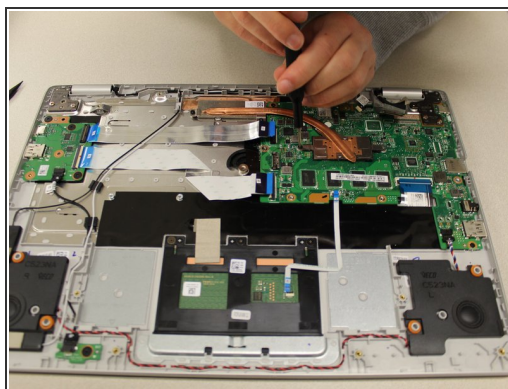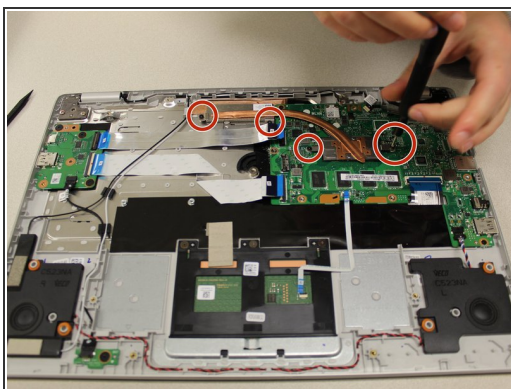
Step 13

- Using a spudger, disconnect the two side-by-side ribbon cables from their connectors, pushing in the direction of the ribbons (toward the left side of the Chromebook).

Step 14

- Disconnect the thick blue ribbon cable from the connector by pulling it away from the motherboard.
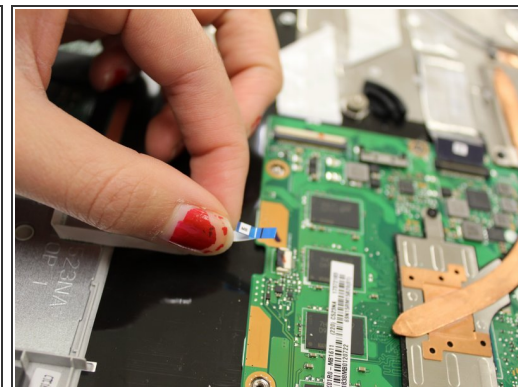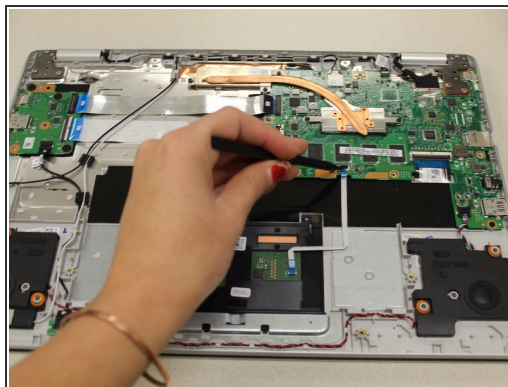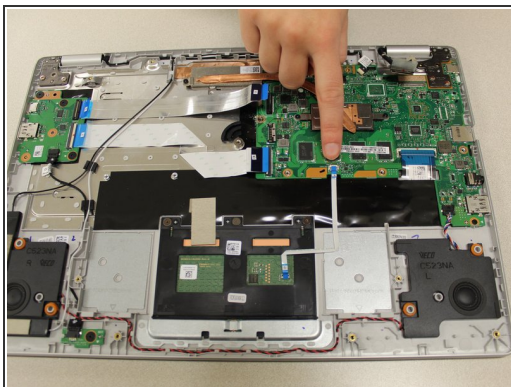
Step 15

- Remove the 0.4mm JIS #0 screws from the heat sink in the center of the motherboard.

- Lift and remove the heat sink.

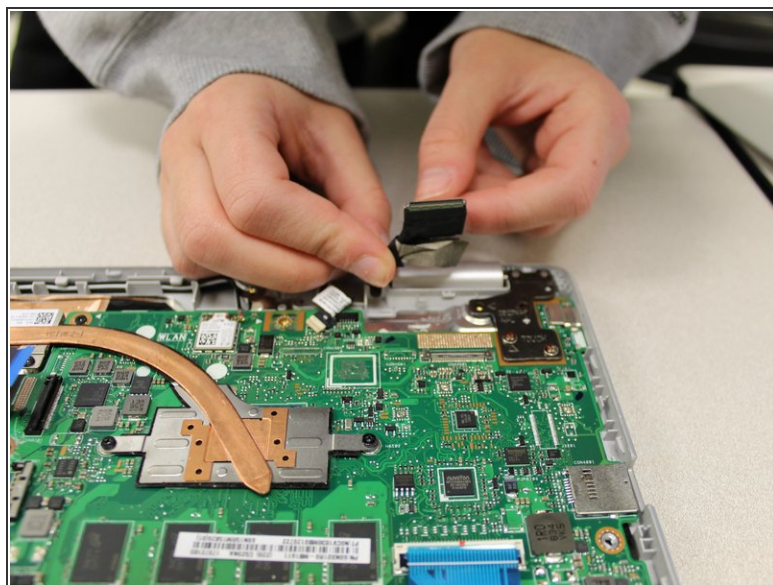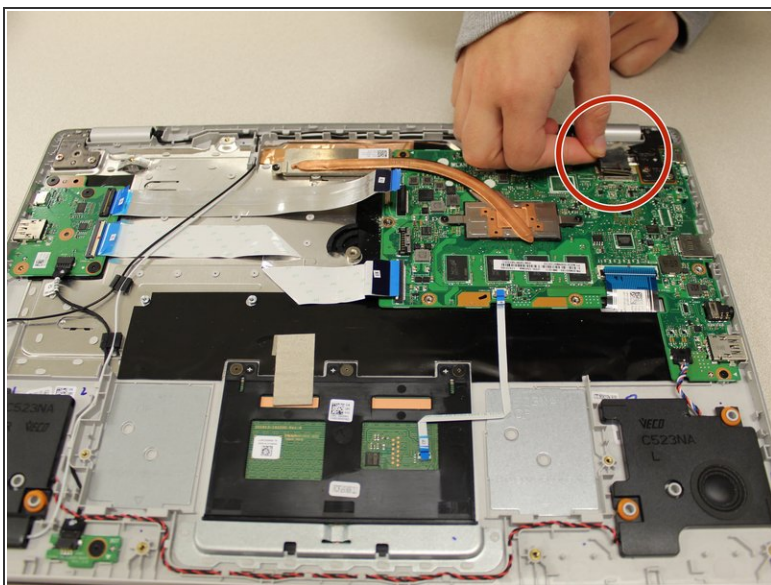This document was generated on 2020-04-15 07:54:24 PM (MST).

Step 16

- Gripping the thin white ribbon cable, gently pull it away from the motherboard to disconnect.

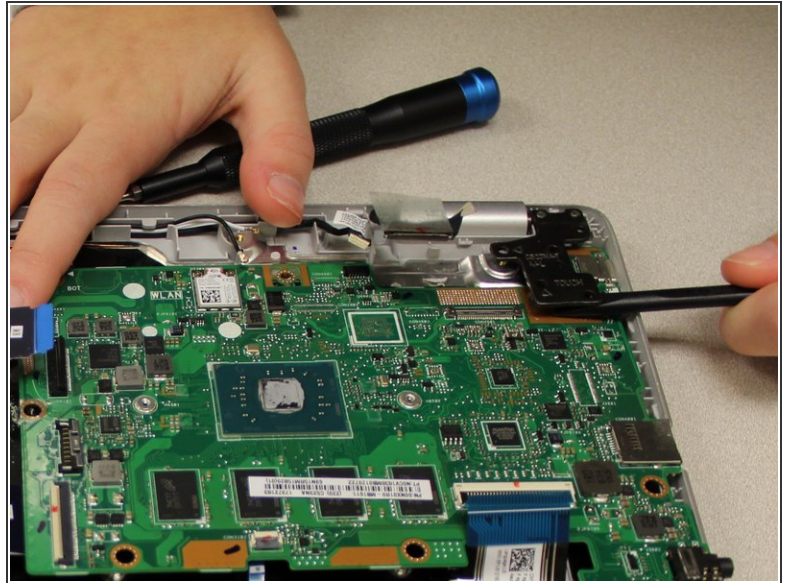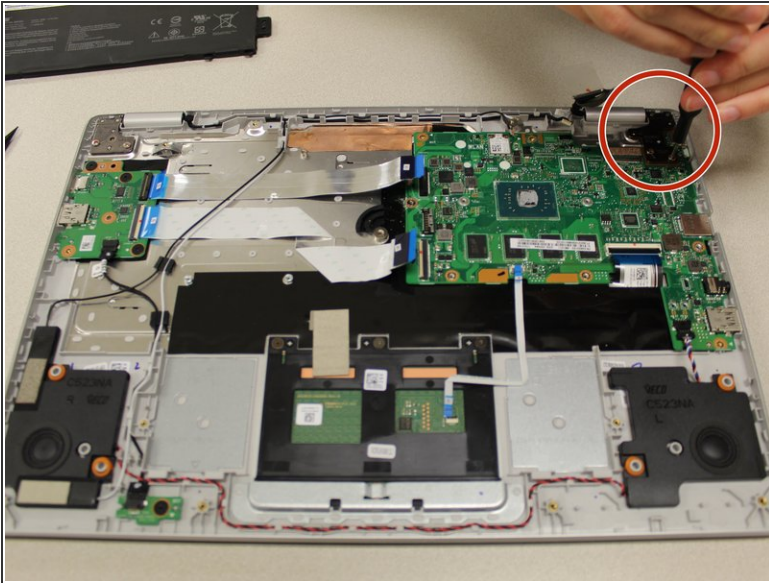## Step 17

- Disconnect the thick black connector by gently pulling it up, away from the motherboard.
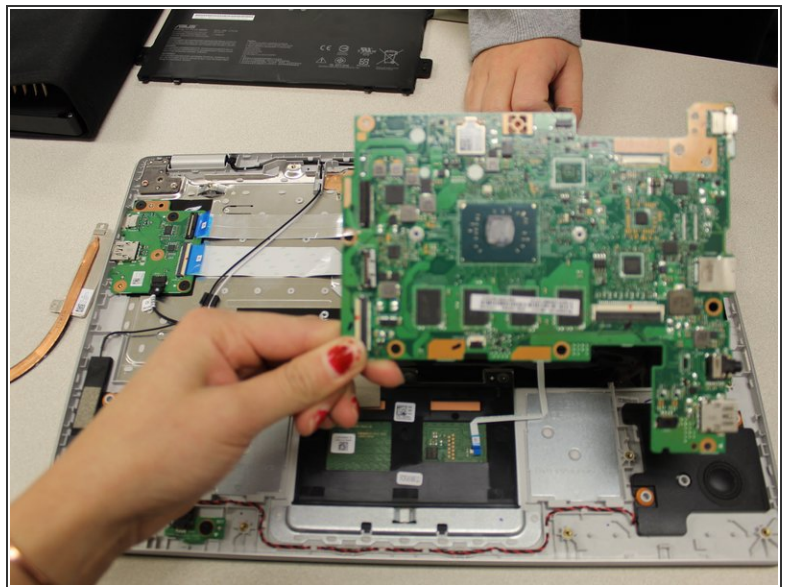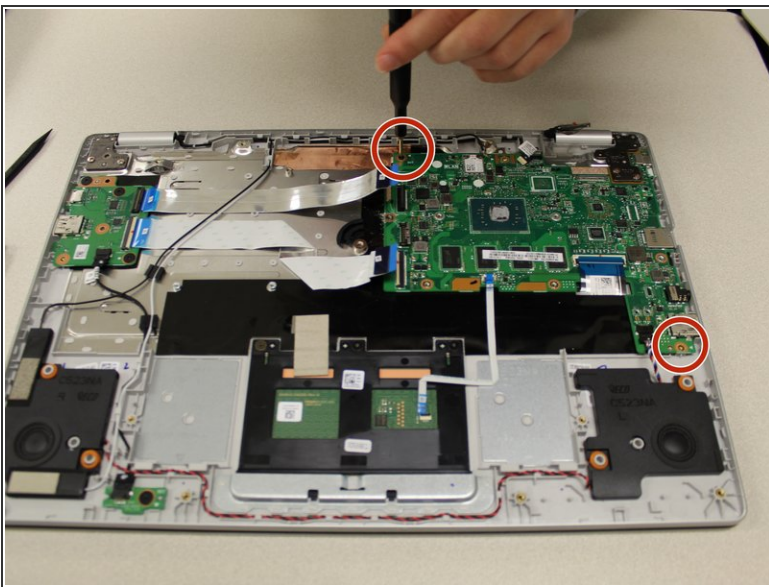
Step 18

- Remove the two 0.4mm JIS #00 screws at the bottom of the hinge (closest to the motherboard).

- Using an opening tool, pry the hinge upward.

Step 19

- Remove the two 0.4 mm JIS #00 screws from the motherboard.

- Gently lift and remove the motherboard.

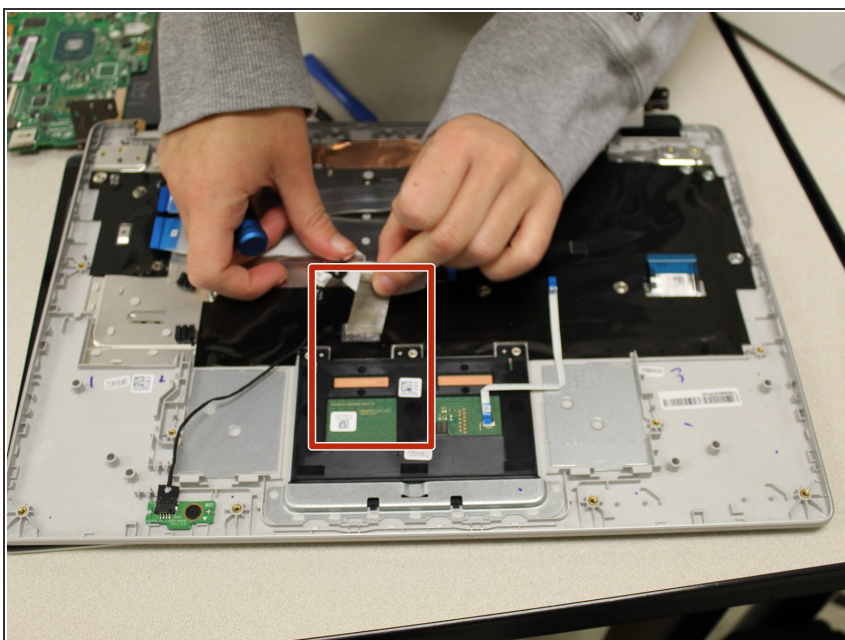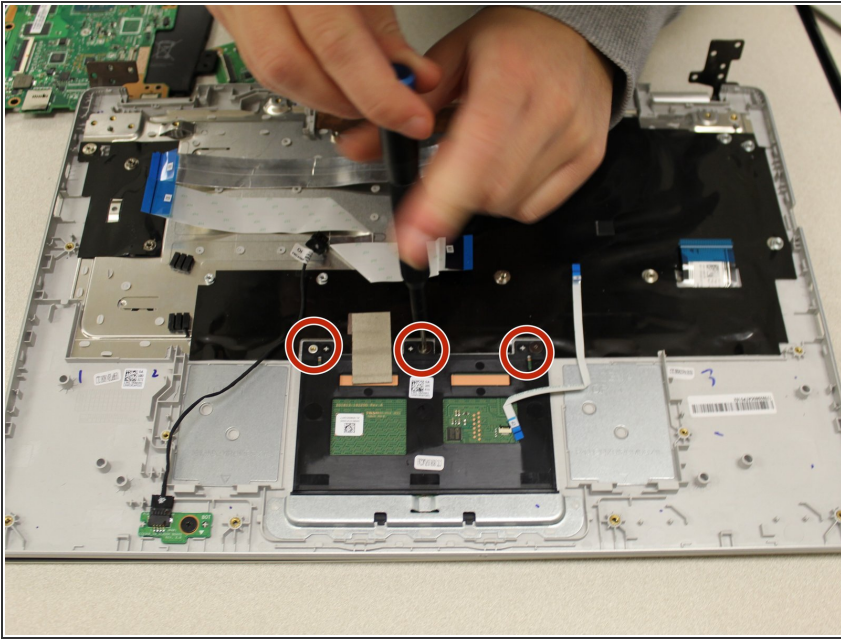This document was generated on 2020-04-15 07:54:24 PM (MST).

Step 20 — Touchpad

- Pull gently on the touchpad cable connector to disconnect.

Step 21

- Carefully, remove the tape from the touch pad only.
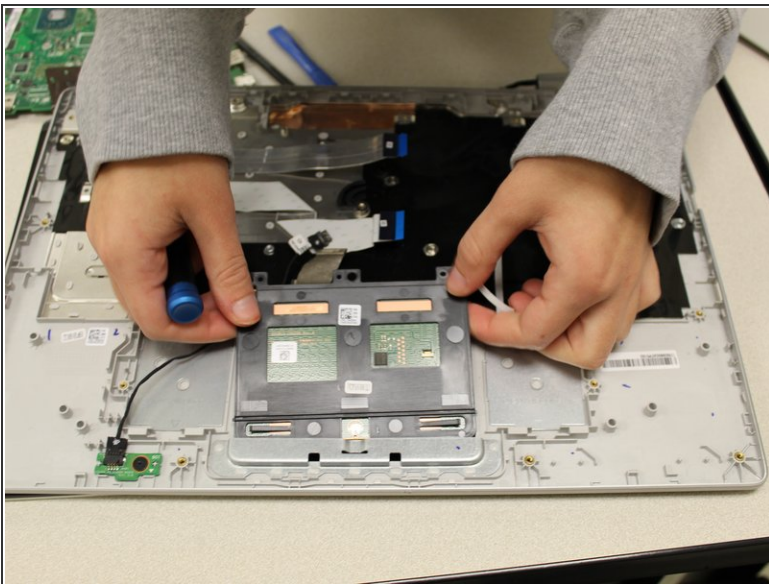
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Step 22

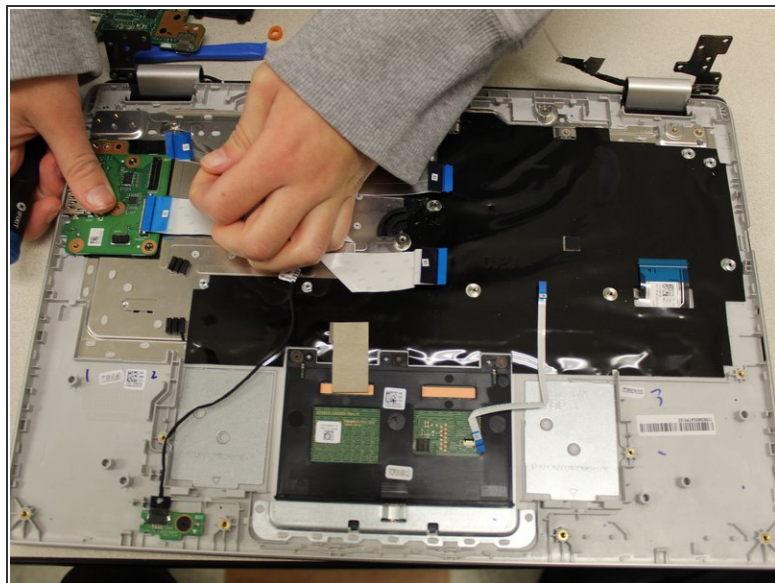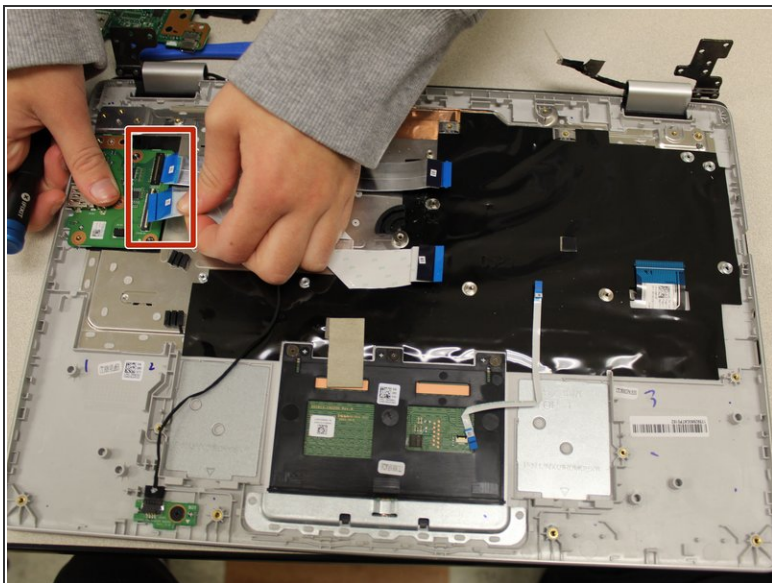- Remove the three 1.4 mm JIS #00 screws.

Step 23
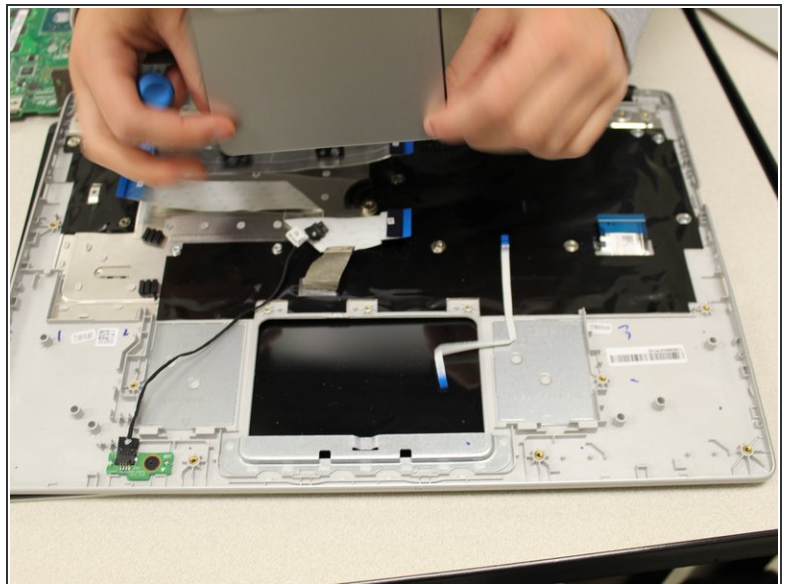
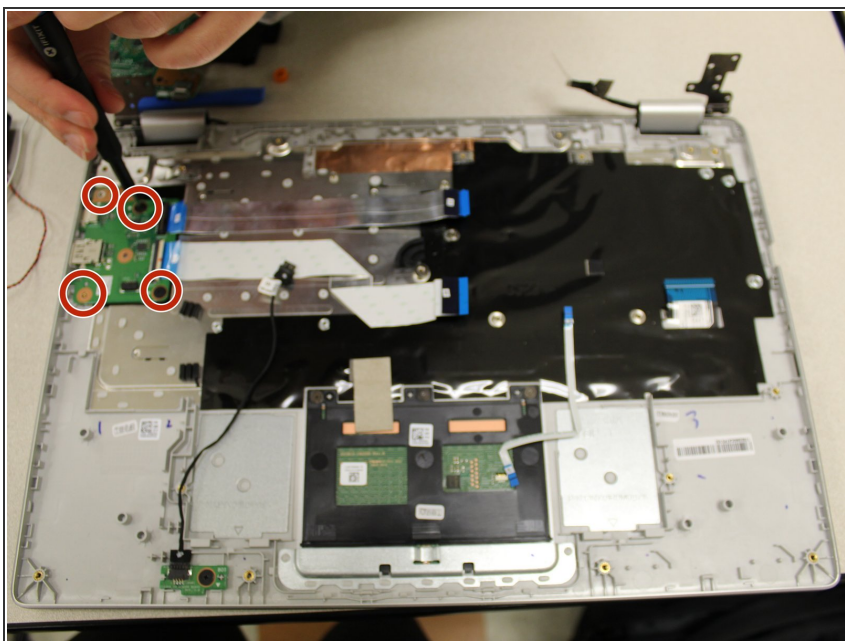- Lift at the far edge of the touchpad to remove it.
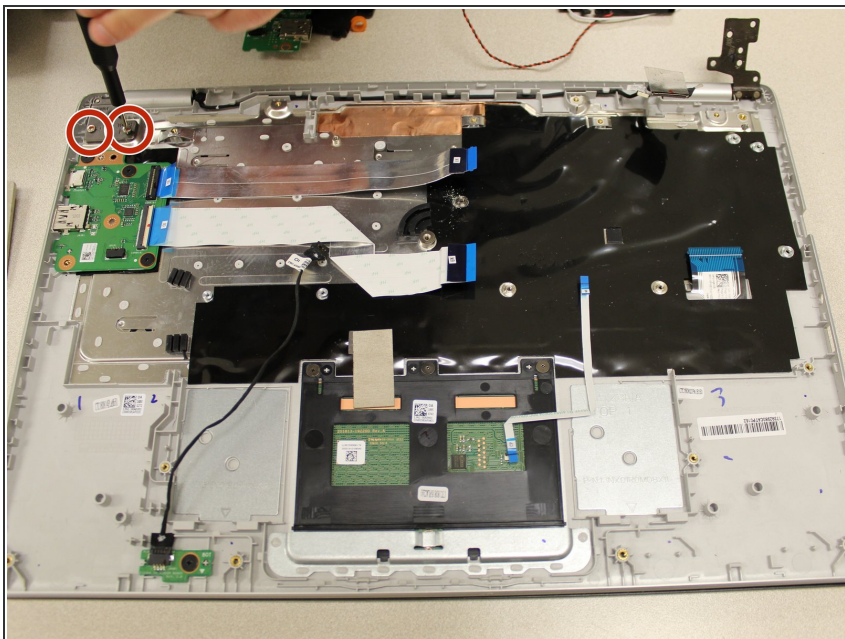
Step 24 — Keyboard

- Disconnect the two ribbon cables from the daughterboard.

Step 25

- Remove the four 0.4mm JIS #00 screws from the daughterboard.

- Remove the daughterboard.

Step 26

- ● Remove the two 0.4mm JIS #00 screws on the left hinge.

Step 27

- ● Lift the keyboard of the Chromebook off of the screen.

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

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