Samsung Chromebook XE500C21-A03US Keyboard Replacement

Replace a faulty keyboard in a Samsung Chromebook XE500C21-A03US.

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INTRODUCTION

A fast and simple guide to replace the keyboard to your Chromebook.

🔧 TOOLS:

- Phillips #00 Screwdriver (1)
- iFixit Opening Tools (1)
- Precision Tweezers Set (1)
- Phillips #000 Screwdriver (1)
- Spudger (1)

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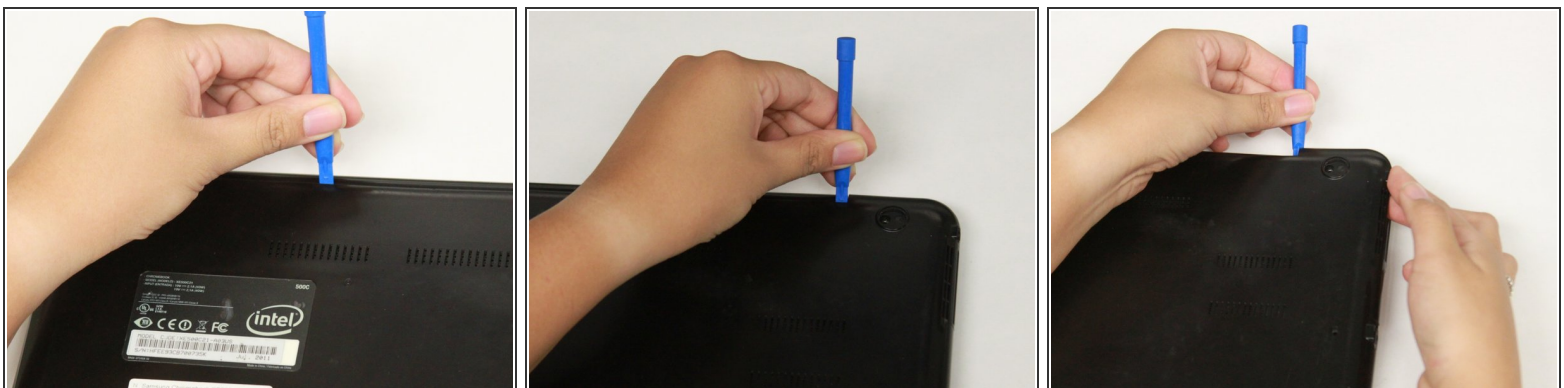
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Step 1 — Back Cover
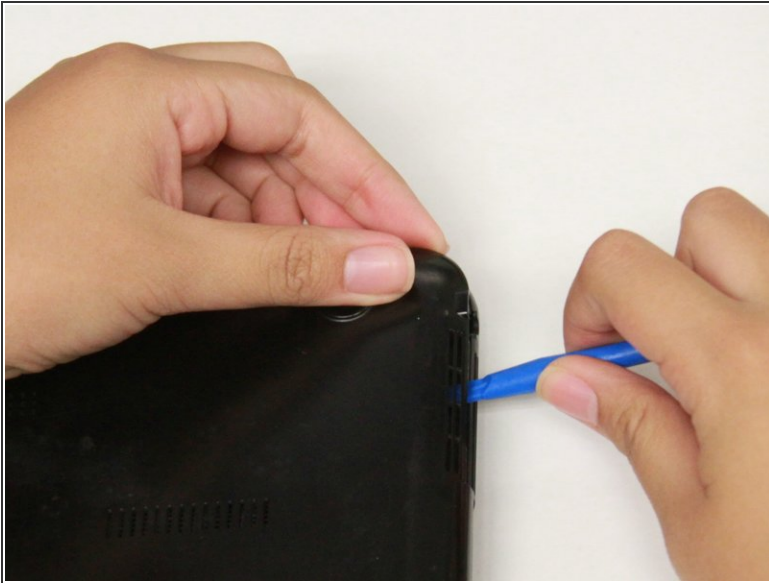

⚠️ Turn the power off before beginning this step.

ⓘ Most Chromebooks contain rubber circle pads on each of the four corners to cover the screws. In order to remove the rubber pads, simply use any opening tool.

- Lay the Chromebook down so that the bottom cover is facing upward.

- Using a Phillips #00 screwdriver, remove all seven 5.5 mm screws from the back cover.

Step 2

- Place the opening tool in the divot between the spine of the Chromebook and the back cover.

- Slowly glide and push down the end of the opening tool along all sides of the Chromebook to detach the brackets. You will hear the brackets detach.
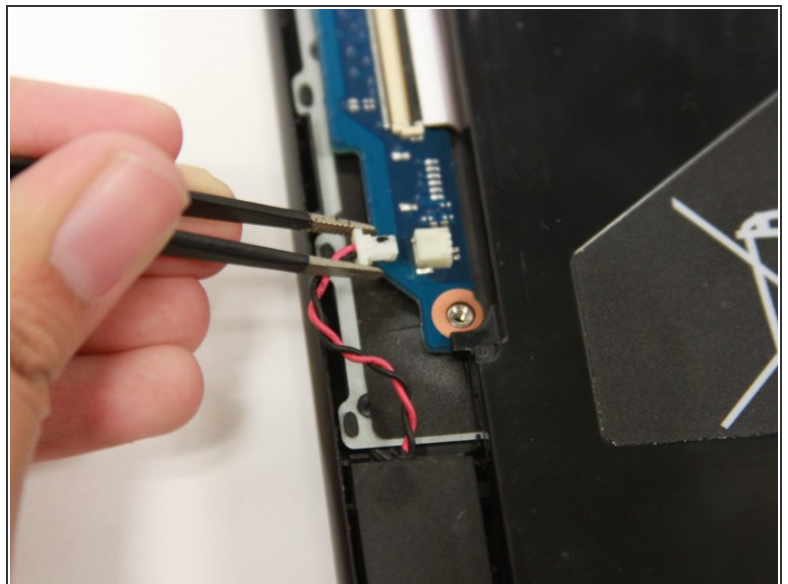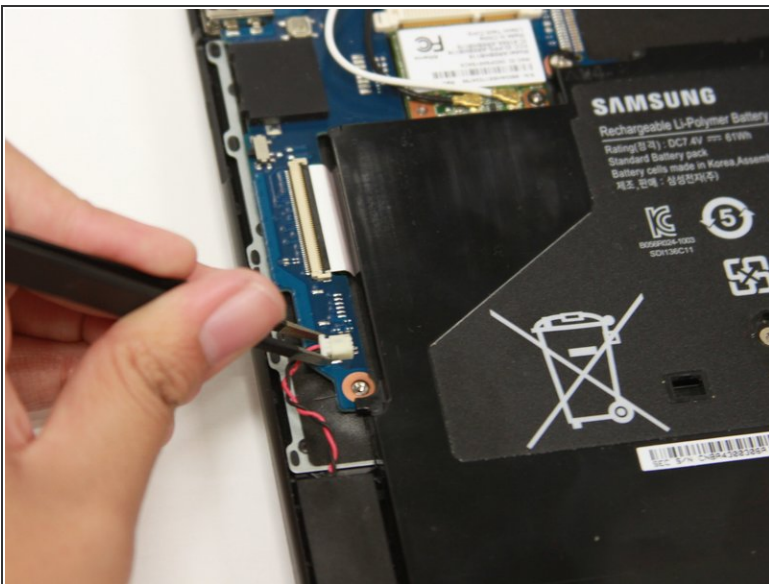
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Step 3

- Using the opening tool, pry off the back cover of the Chromebook
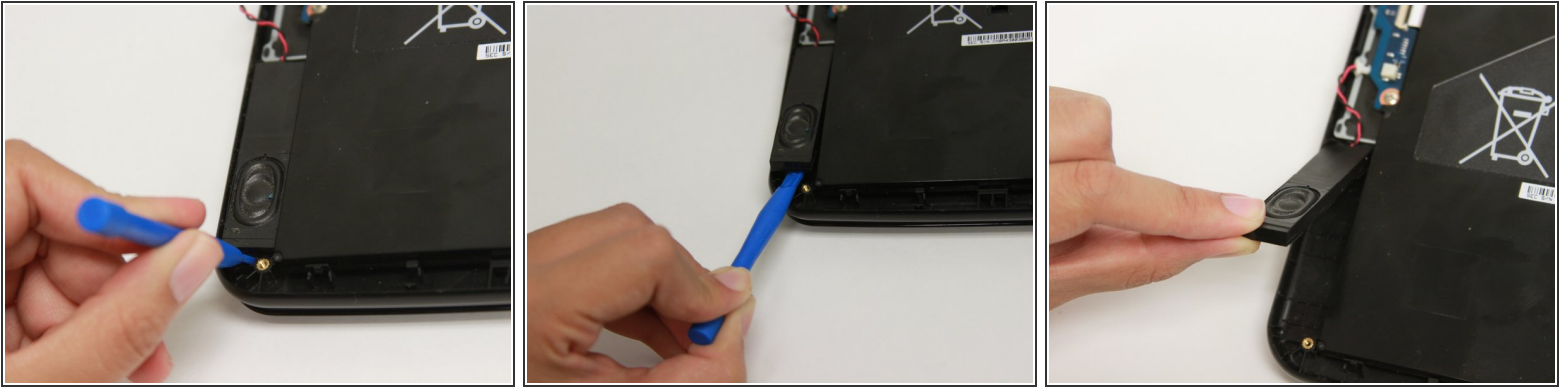
⚠ Be gentle while prying to avoid breaking the back cover.
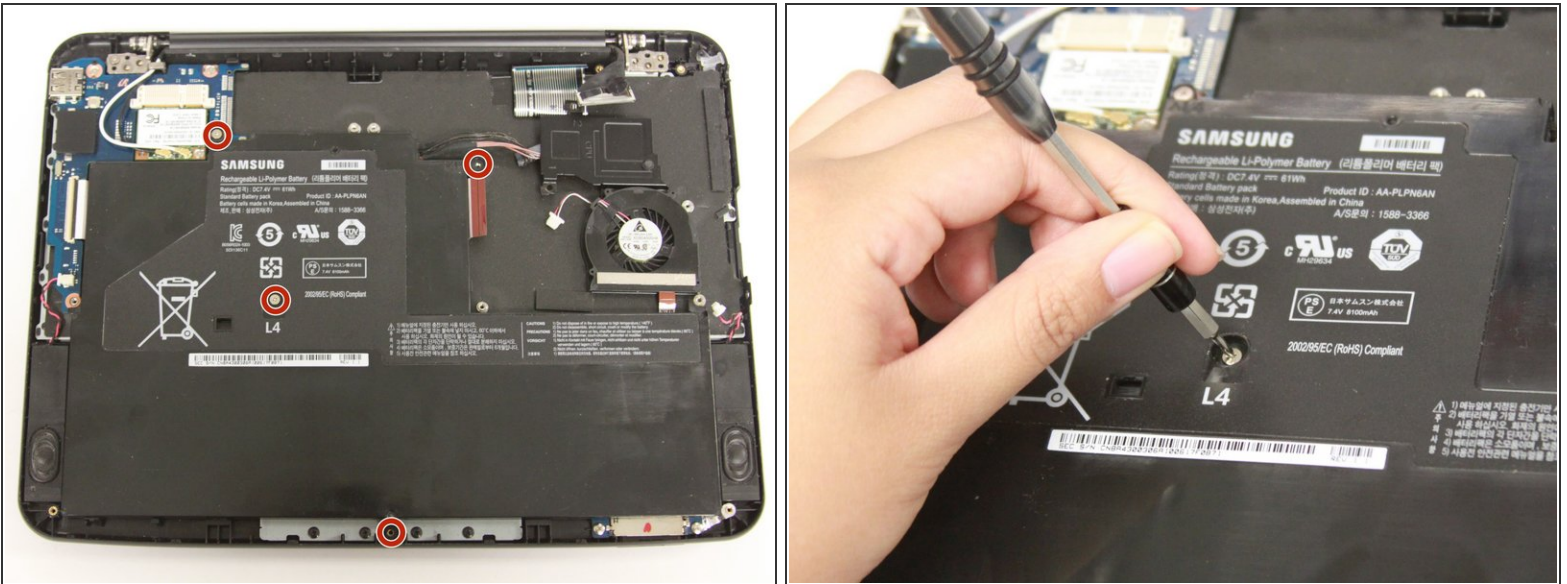
Step 4 — Speakers

- Use a blunt precision tweezer to remove the speaker cord from the R.A.M.

Step 5

- Use the prying tool to find the divot then slowly add pressure until the speaker pops out.

- Gently lift and remove the speaker from the Chromebook.
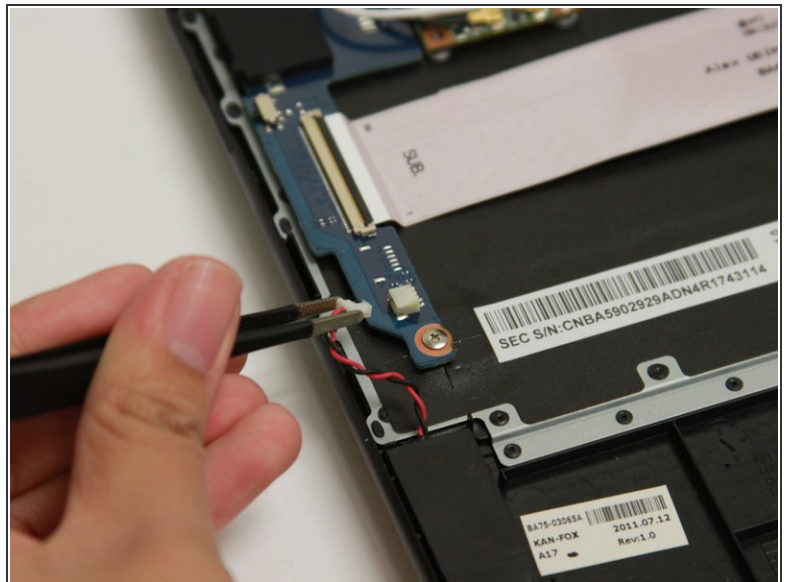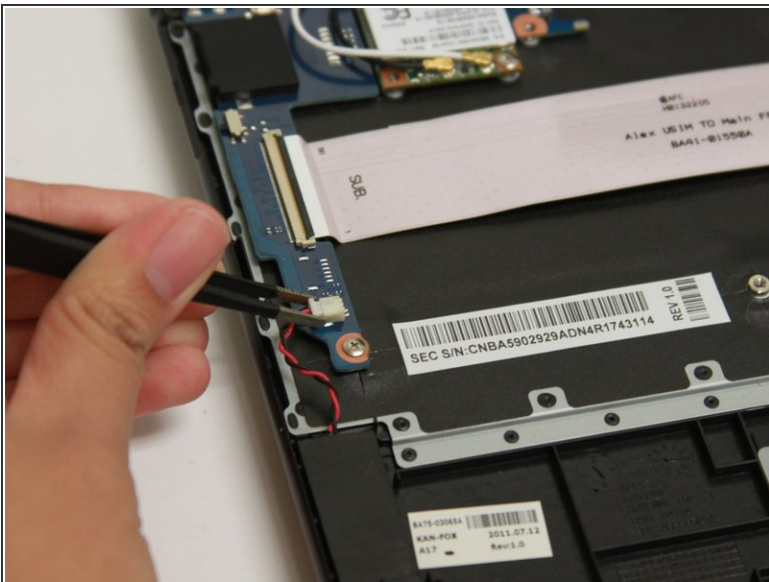
Step 6 — Battery

- Remove the four 3 mm screws using a Phillips #000 screwdriver.

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Step 7

- Carefully lift the top of the battery then pull it away from you to remove it.

- ⓘ Some batteries may be attached via a battery connector. Disconnect the battery connector by simply pulling straight up at its base.

Step 8 — RAM

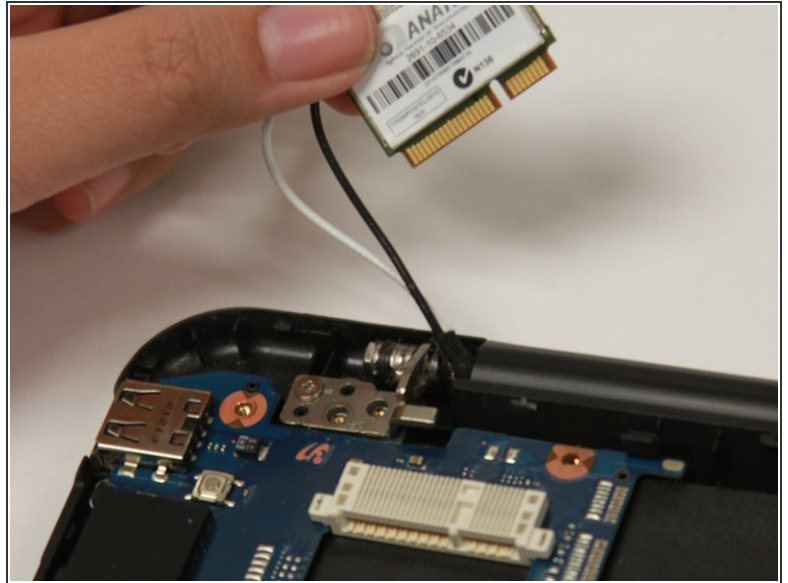- Use a blunt precision tweezer to remove the speaker cord from the RAM

Step 9

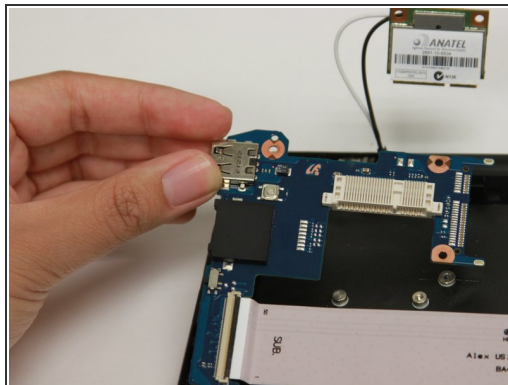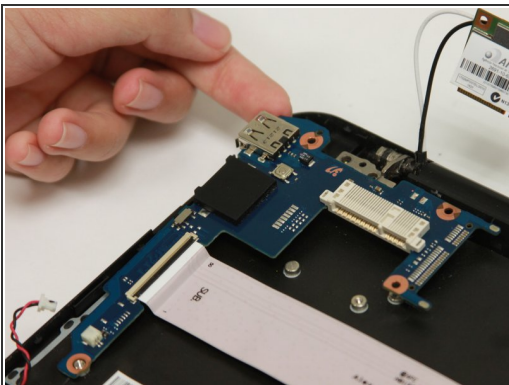- Using a Phillips #00 screwdriver, remove all six 2.5 mm screws .

- ⓘ Start removing the screws from the wifi card.

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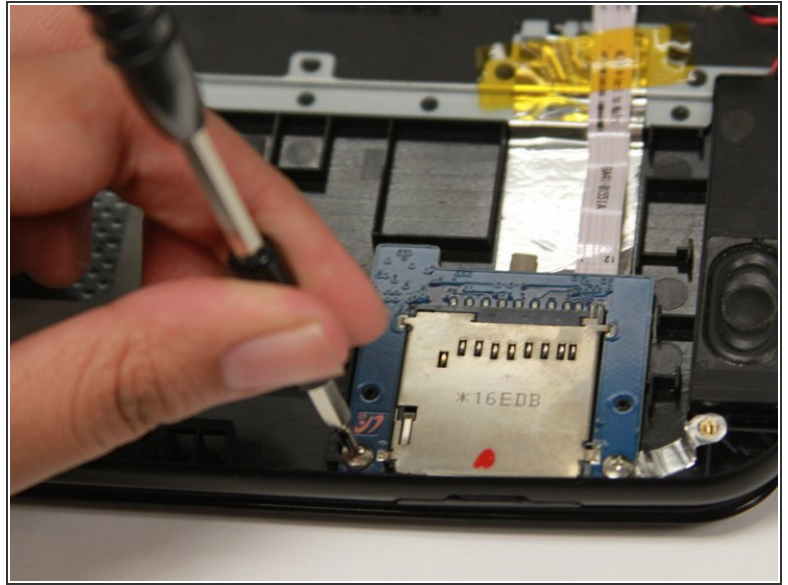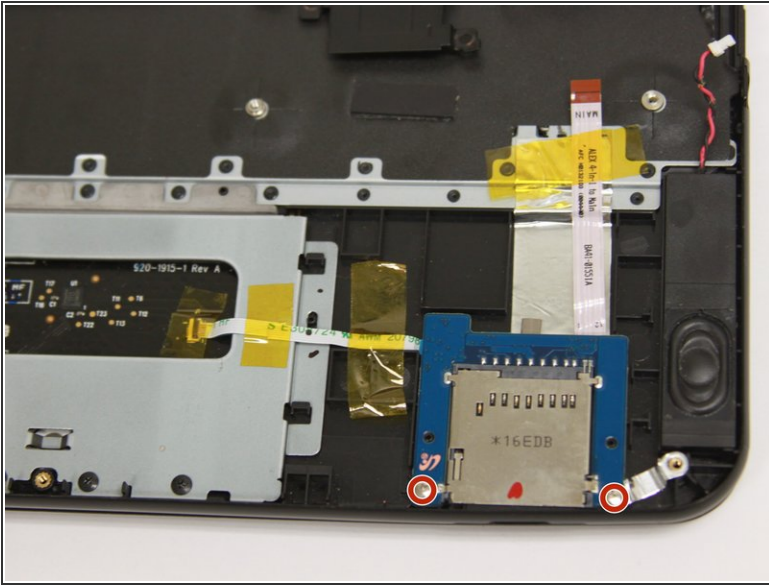
Step 10

- Gently lift the bottom of the wifi card then pull it towards you to disconnect it from the socket.

- (i) Our Chromebook does not have a circuit board. Remove all units connected to the circuit board if necessary.
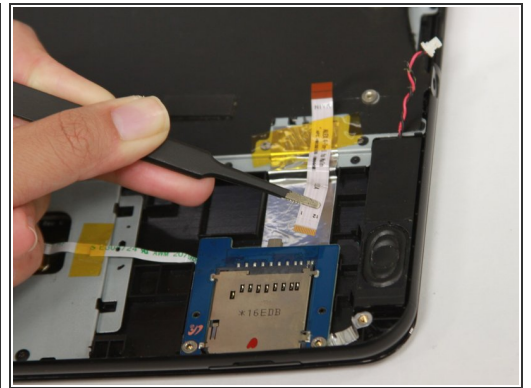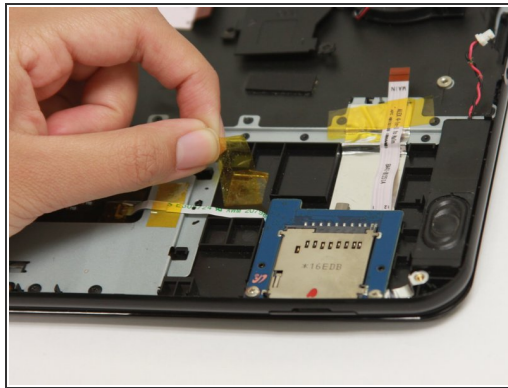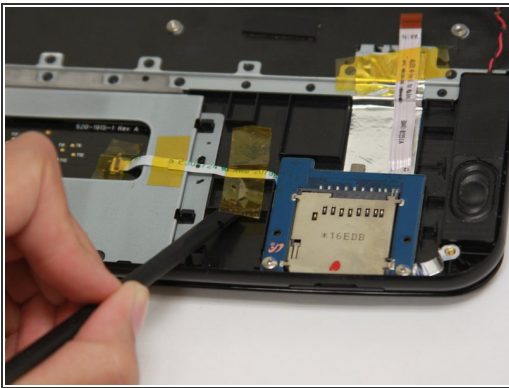
Step 11

- Gently lift the top left corner of the RAM and pull upward to remove it from the Chromebook.

Step 12 — SD Card Reader

- Remove both 3 mm screws using a Phillips #000 screwdriver.

Step 13

- Remove the yellow tape on the left ribbon cable with a spudger.

- Use a blunt precision tweezer to remove both ribbon cables attached to the SD card reader.

Step 14

- Gently lift the top portion of the SD card reader and pull it away from you to remove it.

- To reassemble, first insert the bottom of the SD card reader then carefully push downward.

Step 15 — Keyboard

- Using a blunt precision tweezer, pull the white wire off the wificard.

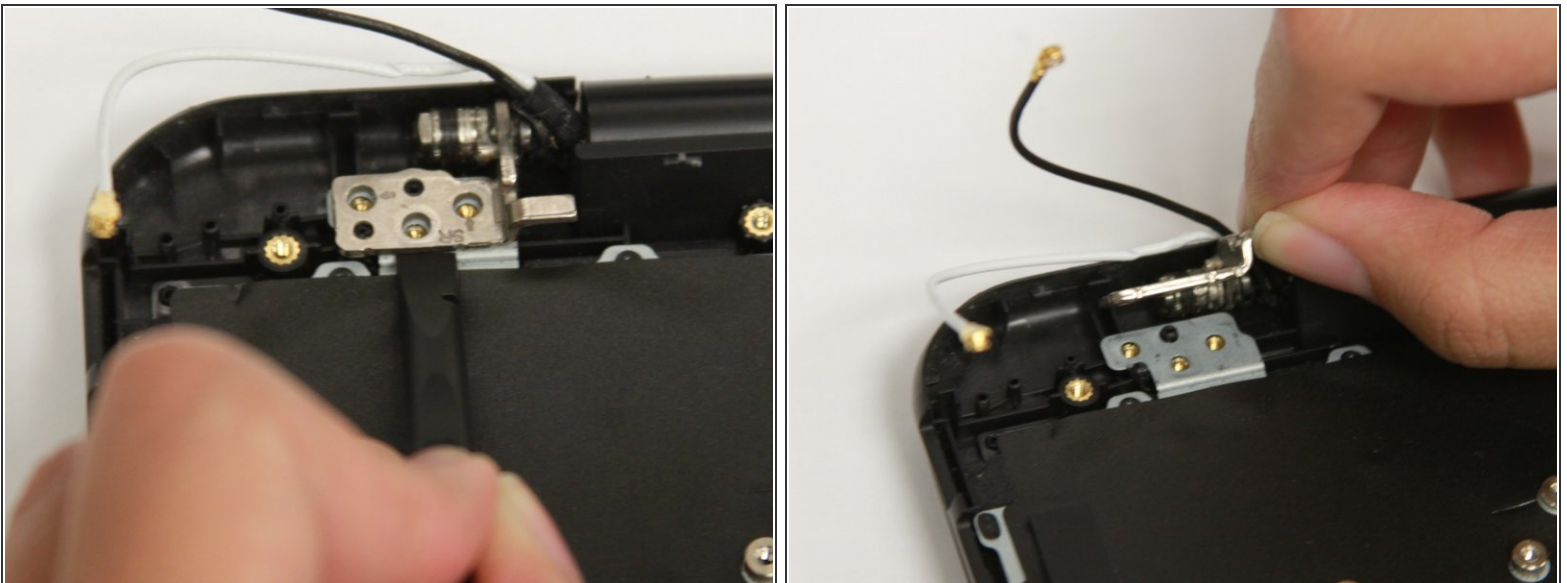- Repeat step to remove the black wire to detach the wificard.

Step 16

- Using the Phillips #00 screwdriver, remove all six 3.5 mm screws to detach the hinges from the keyboard.
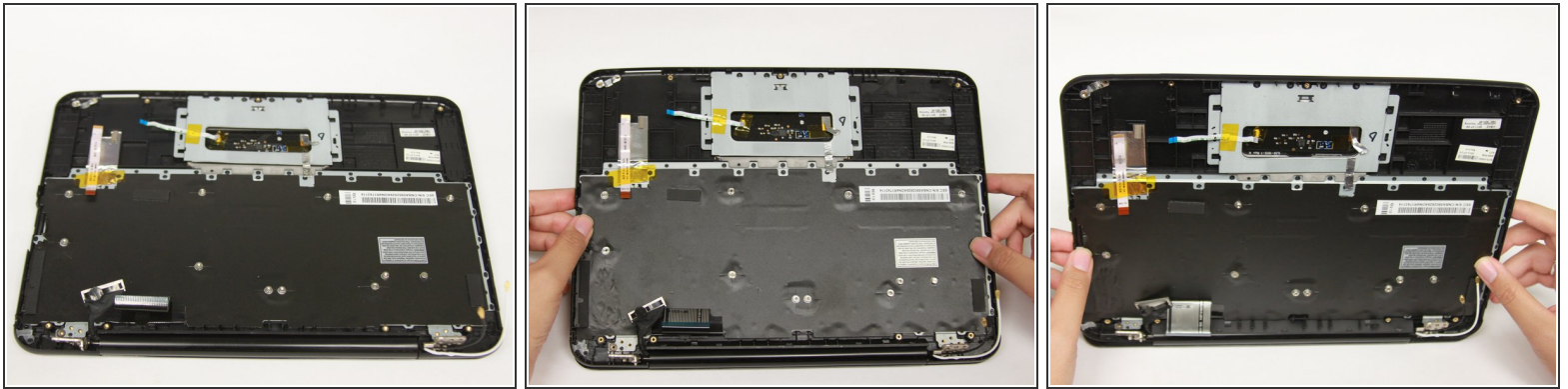
- (i) The Chromebook displayed does not have all six screws.

Step 17

- Using the plastic spudger, place it under the hinge and pry it open.

- Use your hand to lift the hinge.

- Repeat on other side.

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Step 18

- Rotate the Chromebook 180 degrees so that the spine and hinges are facing you.

- Lift the keyboard and trackpad upward.

Step 19

- Pull the keyboard and trackpad away from you to detach them from the spine of the Chromebook.

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

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