OLPC XO-4 Touch Power Button Replacement

Install the power button.

Written By: Matthew Smith

This document was generated on 2020-02-07 03:22:44 AM (MST).
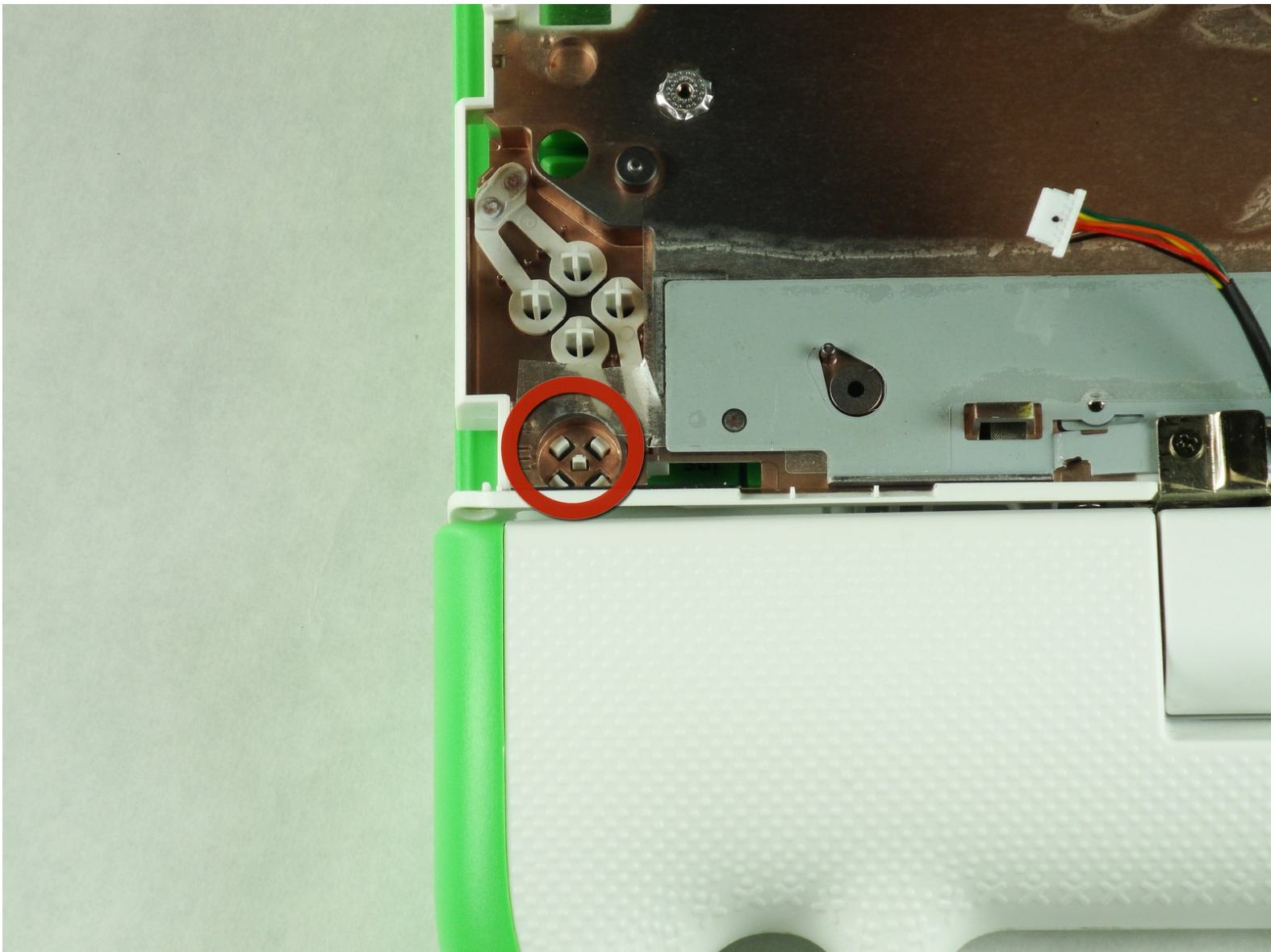
INTRODUCTION

Learn how to install the power button on the OLPC XO-4 laptop.

🔧 TOOLS:

- Phillips #1 Screwdriver (1)

This document was generated on 2020-02-07 03:22:44 AM (MST).
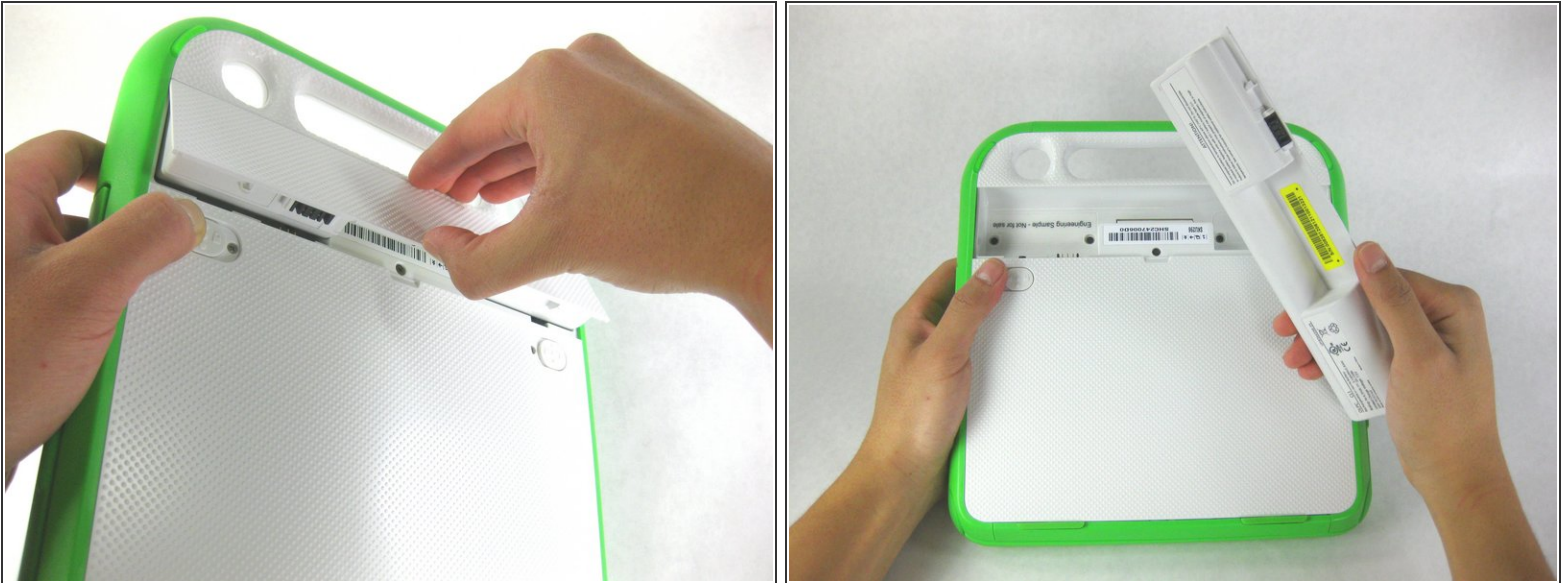
Step 1 — Battery

- Turn the laptop upside-down, with the handle facing away from you.

Step 2

- Pull the lock tabs towards the green outer edges of the laptop.

- Hold the left lock tab in the unlock position until the battery is completely removed in the next step.

This document was generated on 2020-02-07 03:22:44 AM (MST).

© iFixit — CC BY-NC-SA
www.iFixit.com
Page 3 of 13

Step 3

- Lift up on the middle of the battery to remove it from the device.

Step 4 — Screen Frame

- Remove the two 4mm Phillips #1 screws underneath the screen on the right-hand side.

- Rotate the screen 180° and remove the other two screws.

- (i) You will have to put your screwdriver through the handle in order to reach the middle screw for both sides.

This document was generated on 2020-02-07 03:22:44 AM (MST).

© iFixit — CC BY-NC-SA www.iFixit.com Page 4 of 13

Step 5

- Remove the green side panel by pressing down on the small green button on the top and sliding the panel up.

- Repeat the step above for the panel on the other side.

Step 6

⚠ Be careful not to pull the bottom too far out because a ribbon cable is under the frame and can easily break.

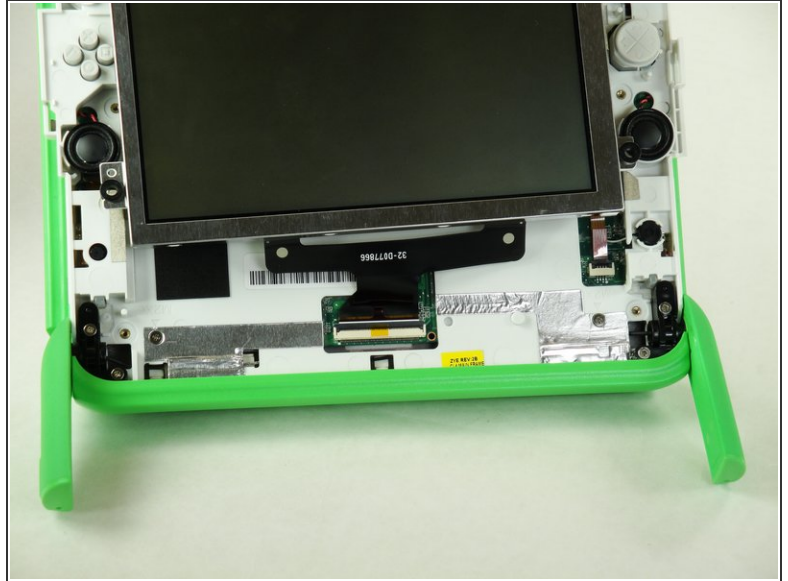- Gently lift up the lower part of the frame and pull it down to free the screen frame.

Step 7
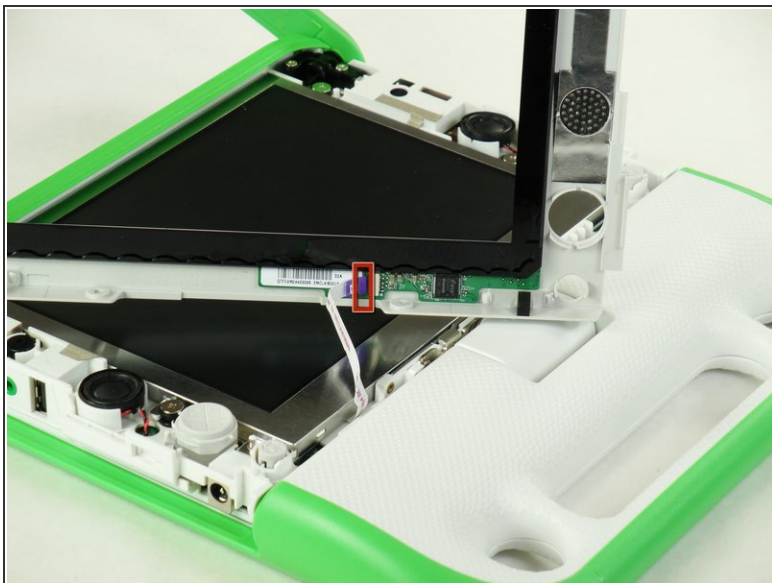
- Lift the black connector and pull the ribbon cable out by the purple tab, freeing the frame.

Step 8 — Screen

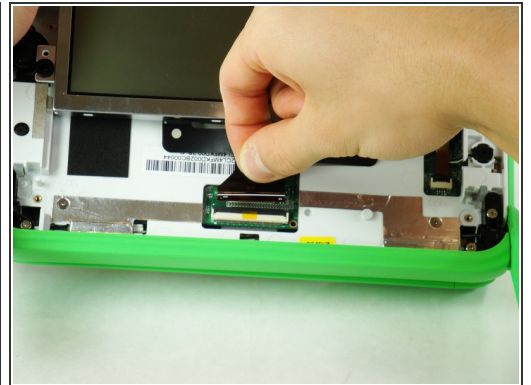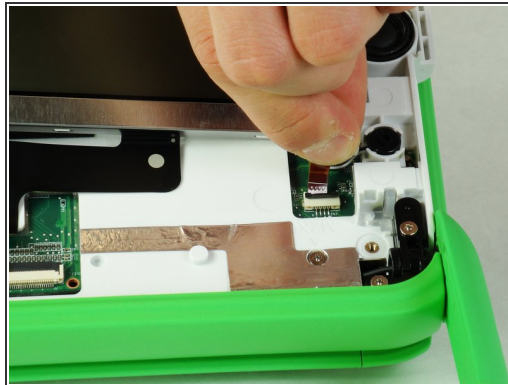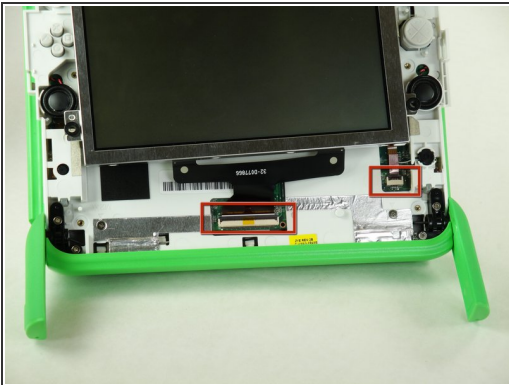- Remove the four 7.62mm screws using a Phillips #1 screwdriver.

This document was generated on 2020-02-07 03:22:44 AM (MST).

© iFixit — CC BY-NC-SA www.iFixit.com Page 6 of 13

Step 9

⚠ Be careful not to pull the screen out too far. There are two ribbon cables attached to the screen, and they can easily break.

● Carefully lift the screen out.

Step 10

ⓘ Notice that the laptop in this picture has been turned 180° with the antennas now below the screen.
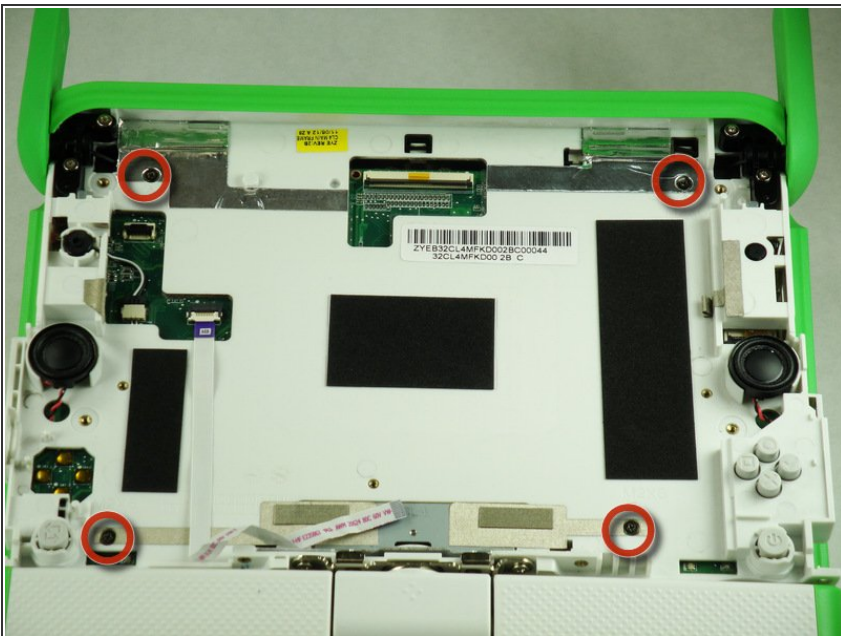
● For each ribbon cable, lift up the black connector and gently pull the ribbon cables out by the plastic tabs.

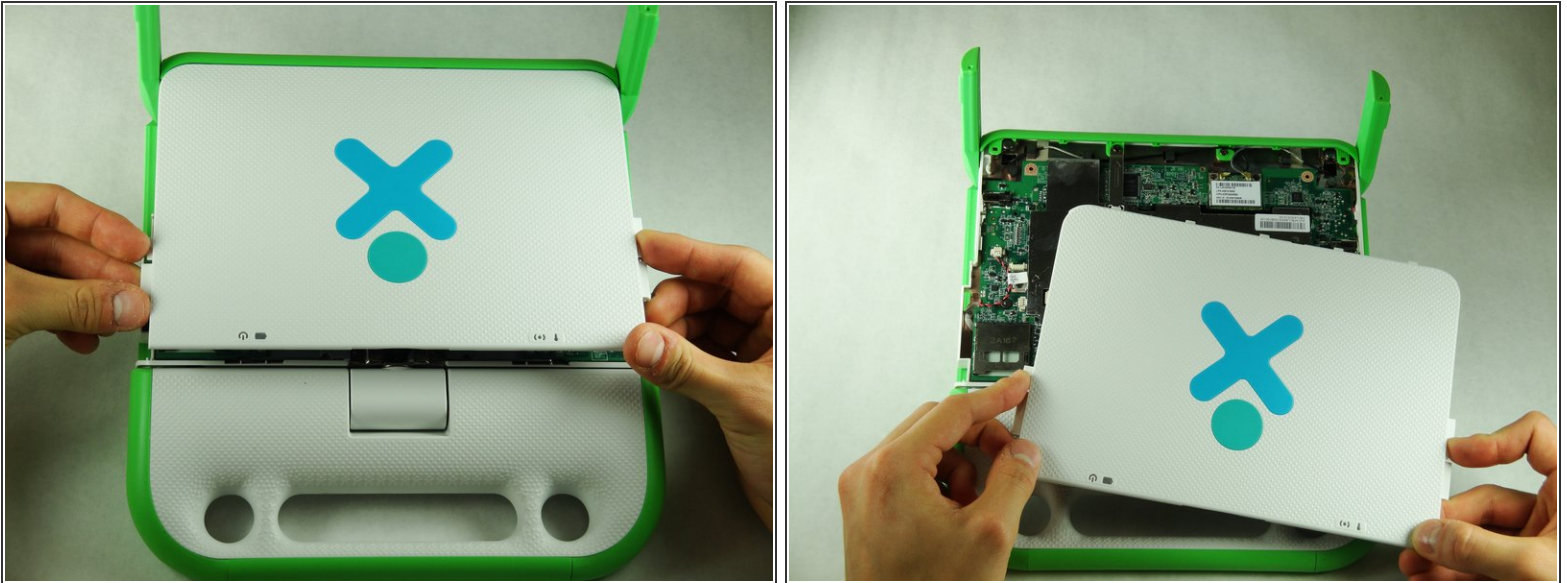This document was generated on 2020-02-07 03:22:44 AM (MST).

www.iFixit.com

Step 11

- Remove the screen from the laptop.
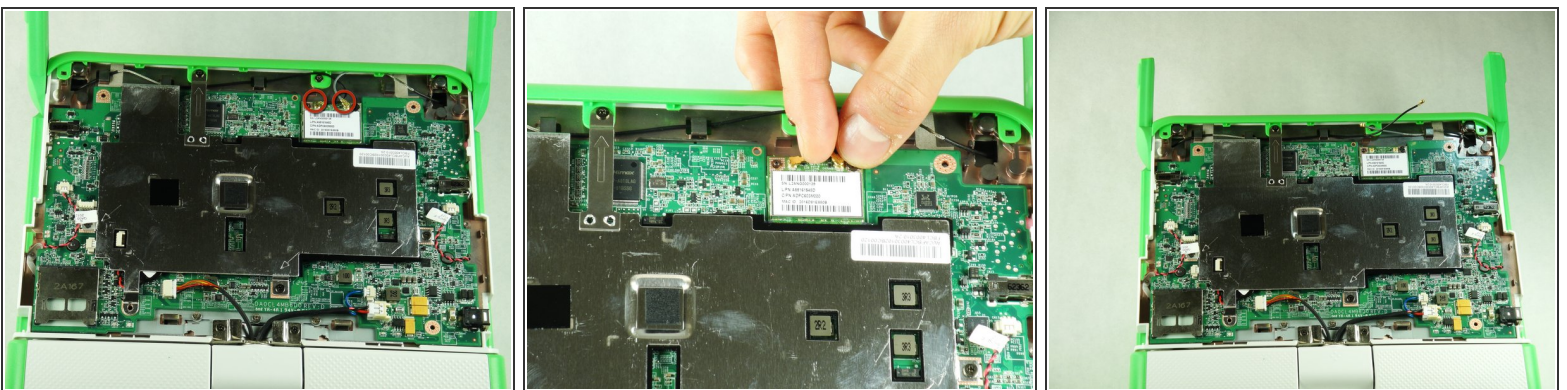
Step 12 — Back Cover

- Remove the four 6mm screws using a Phillips #1 screwdriver.

Step 13

- Rotate the top half of the laptop so that the back cover is facing you.

- Pull up the tabs on the lower part of the back cover and pull it down and away from the antennas.

- Remove the back cover by gently lifting it off of the laptop.
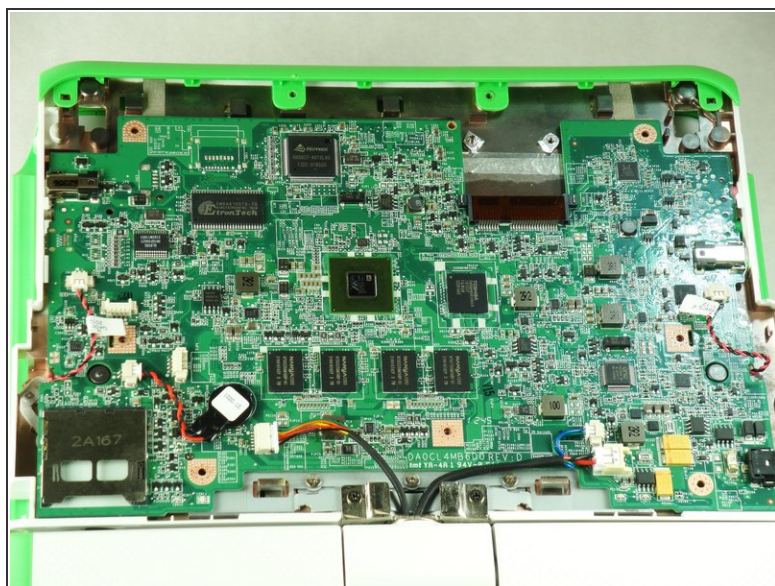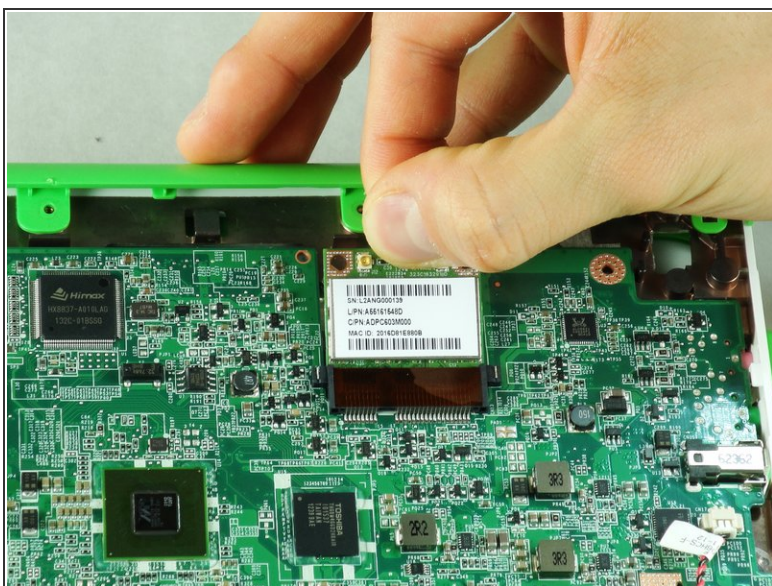
Step 14 — Wireless Card

⚠ When pulling out the connectors, make sure to hold the metal connector instead of the wire.

- Gently pull out the two antenna connectors by pulling them away from the motherboard.
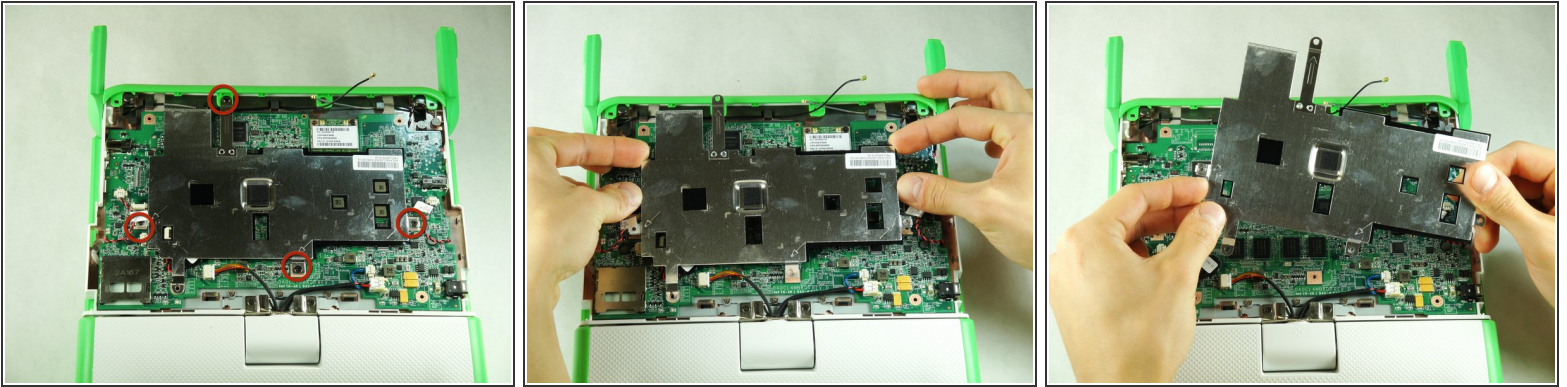
Step 15

- ● Remove the black 4mm Phillips #1 screw holding the wireless card in.
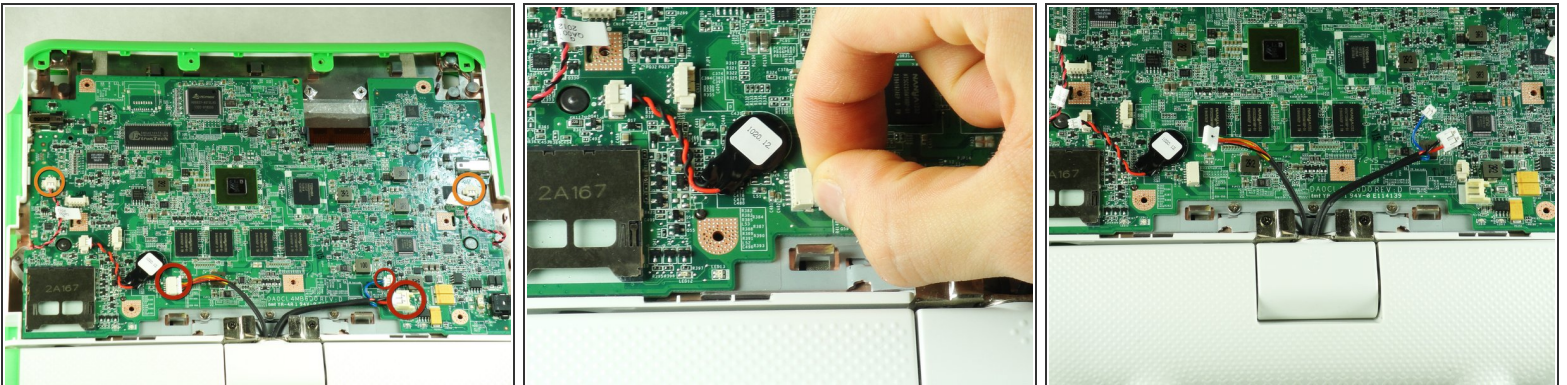
Step 16

- ● Remove the wireless card from the laptop by gently sliding it out of its socket.

Step 17 — Motherboard

- Remove the four black 4mm screws from the metal cover using a Phillips #1 screwdriver.
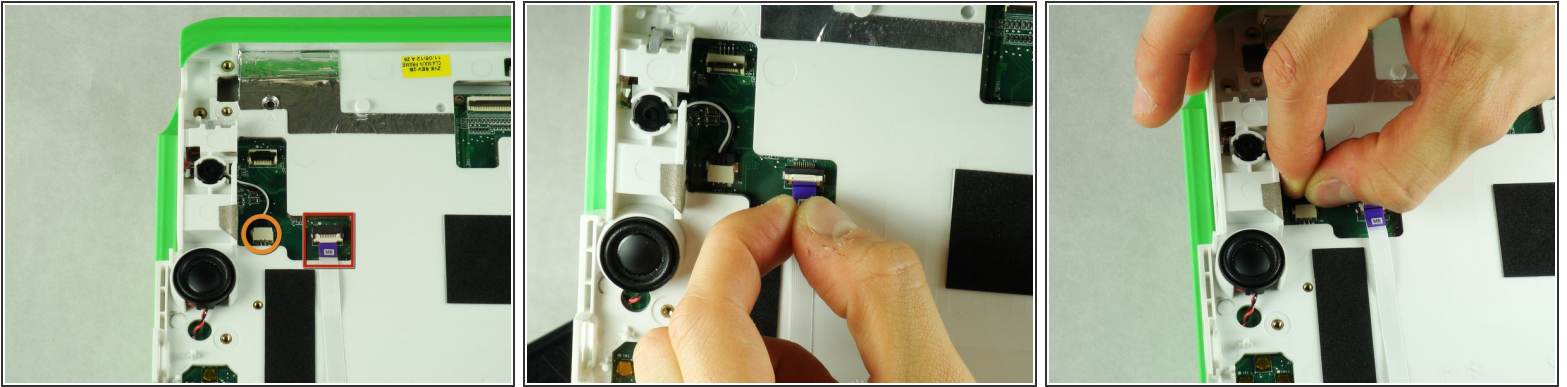
- Remove the metal cover from the laptop.

Step 18

- ⚠️ Pull the connectors out by holding the plastic tabs and not the wires.

- Unplug the three wires connecting the motherboard to the bottom half of the laptop.

- Unplug the two speaker wires from the motherboard.

www.iFixit.com

Step 19

- Turn the device over to where the screen used to be.

- Pull out ribbon cable by holding the purple plastic tab.

- Pull out connector with the black and white wire by holding plastic tab.

Step 20

- Move the motherboard slightly to the left so that the audio input and output jacks are out of the frame.

- Pull the motherboard out of the laptop.

This document was generated on 2020-02-07 03:22:44 AM (MST).

Step 21 — Power Button
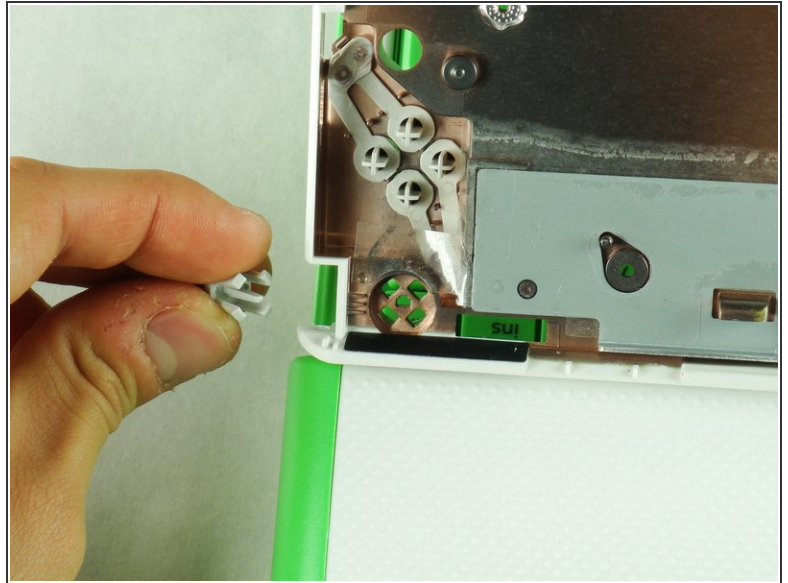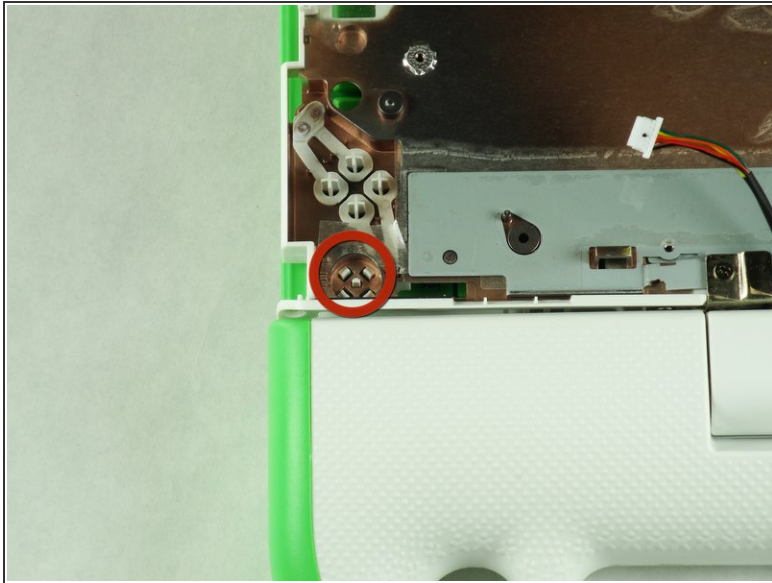
- Remove the power button by pinching in the four tabs until the power button can be pushed out.

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

    www.iFixit.com