



OLPC XO-4 Touch Touchpad Controller Replacement

This guide will walk through replacing a touchpad.

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INTRODUCTION

Use this guide to replace a broken touchpad.



TOOLS:

- [Phillips #1 Screwdriver](#) (1)
-

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.

Step 3



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

Step 4 — Keyboard



- Remove the two 2mm Phillips #1 screws from beneath the battery lock tabs.

Step 5



- Flip the laptop over to its normal position.
- Lift the two antennas on both sides to unlock the screen.
- Open the laptop.

Step 6



 Be careful not to pull the keyboard too far because there is still a ribbon cable attached to the bottom.

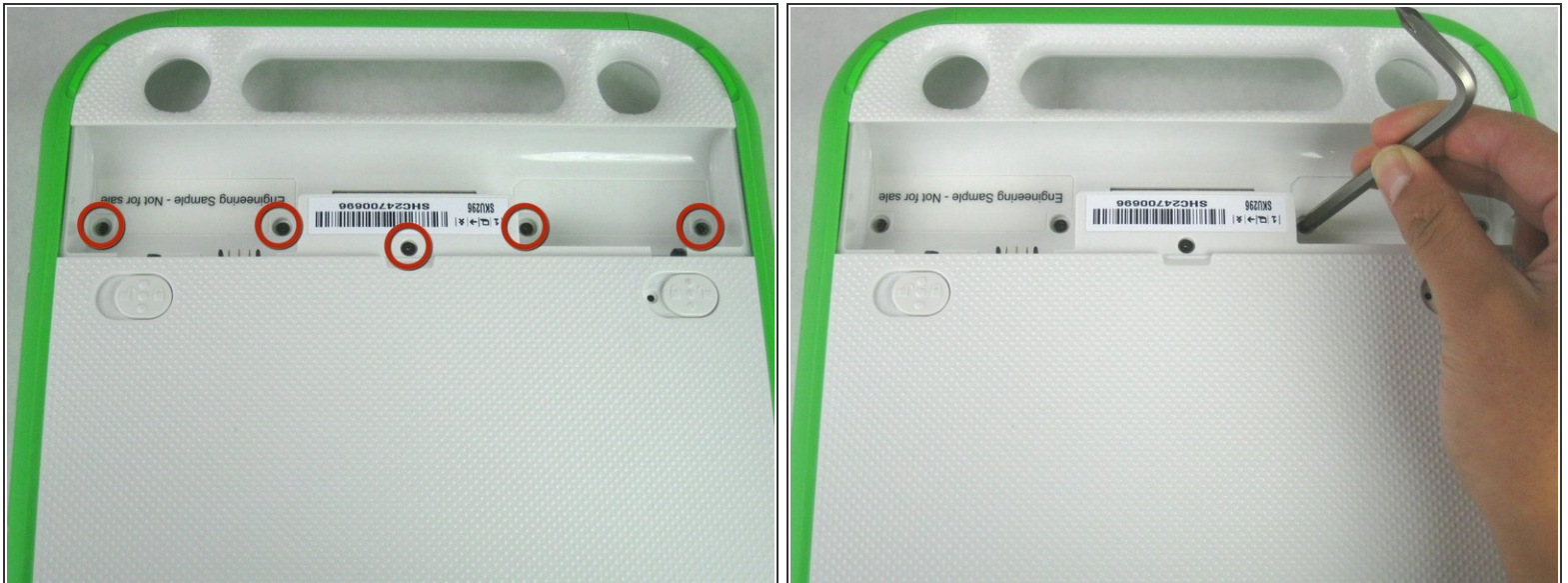
- Gently lift up on the back of the keyboard.
- Pull the keyboard up far enough to expose the ribbon cable.

Step 7



- Gently lift up on the black connector to release the ribbon cable.
- Gently pull the blue plastic tab up and away from the black connector.
- Remove the keyboard from the laptop.

Step 8 — Lower Case



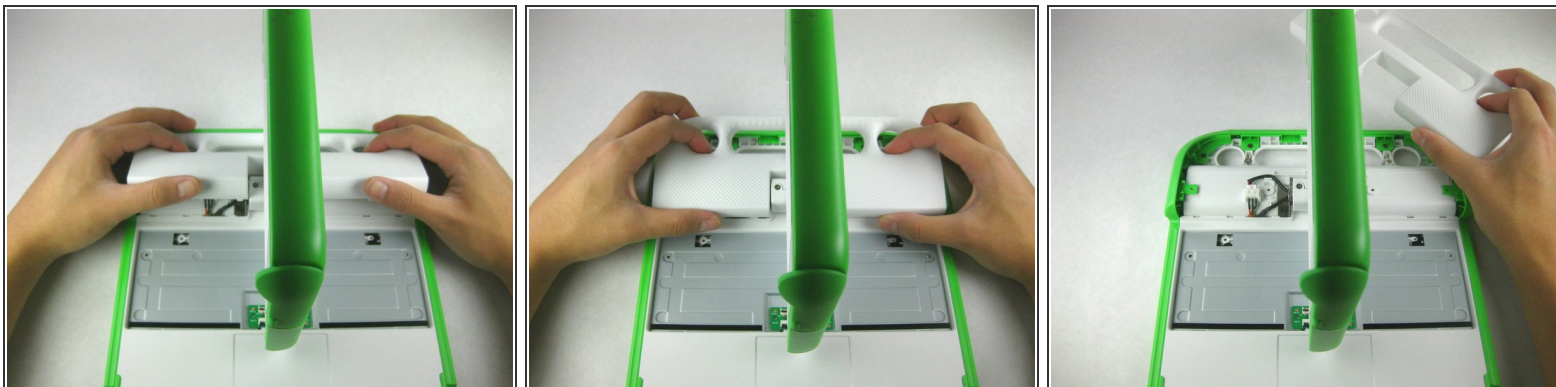
-  Close and flip the laptop over so you are looking at the battery compartment
- Remove the five 4mm Phillips #1 screws from inside the battery compartment

Step 9



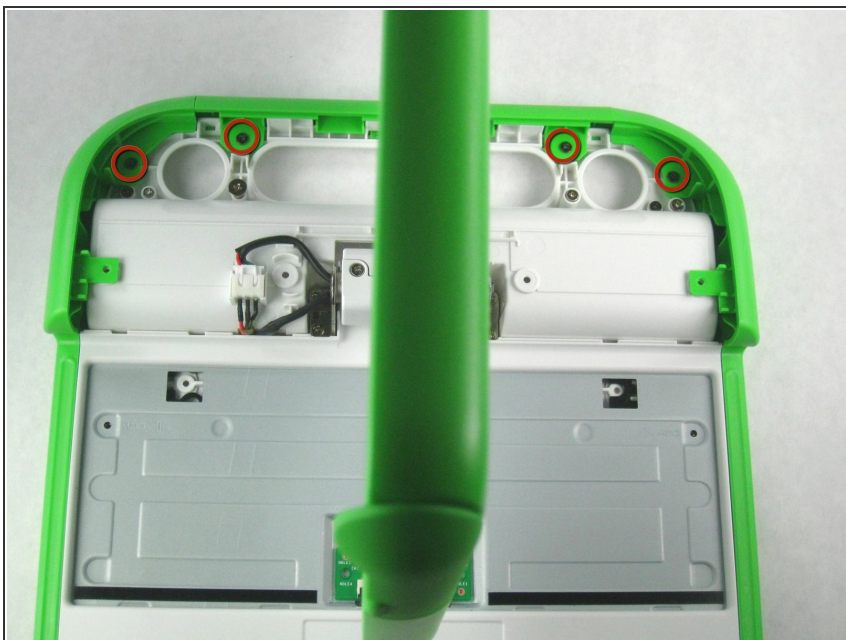
- Flip the laptop over, showing the top of the device.
- Open the laptop and rotate the screen ninety degrees.
- Tilt the screen so the lower right corner of the screen is closer to the lower case.

Step 10



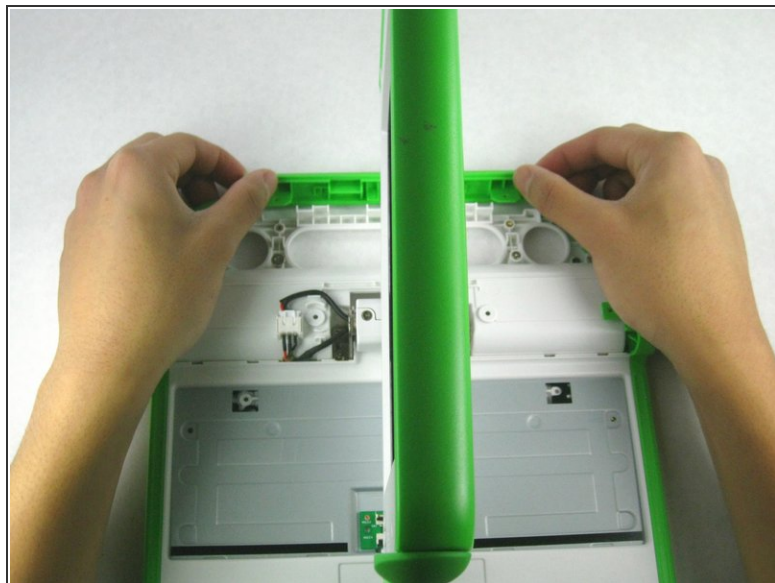
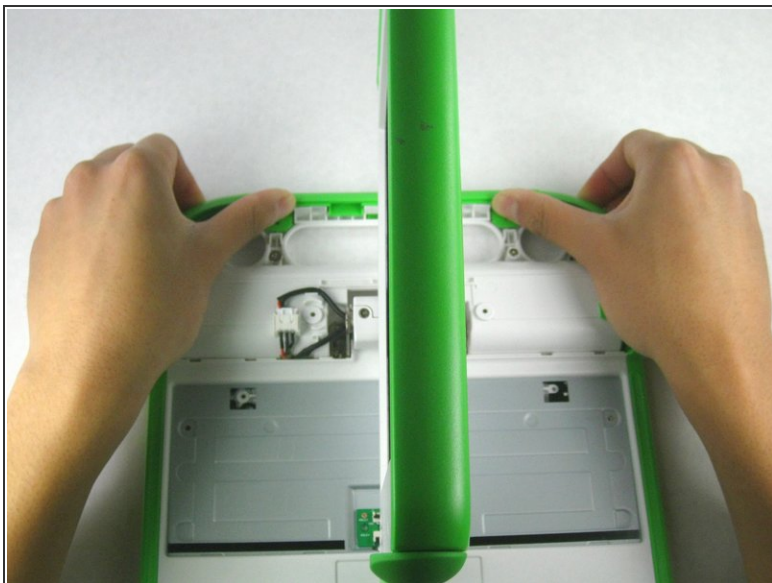
- Push in and lift up on the keyboard edge of the white handle piece.
- Pull the piece towards yourself to remove it from the laptop.

Step 11



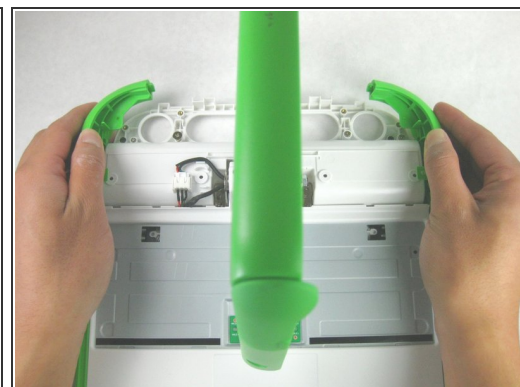
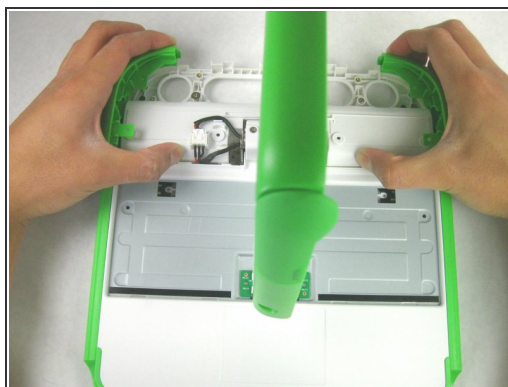
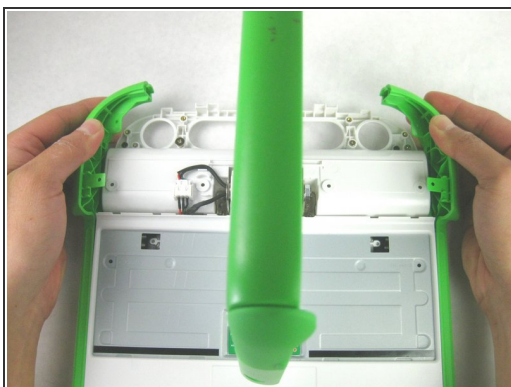
- Remove the four 4mm Phillips #1 screws attaching the green trim to the body of the computer.

Step 12



- Pry off the rear green trim piece.

Step 13



 Be careful not to pull the bottom portion of the laptop completely off, as there is a cable connecting it to the laptop.

- Slide the green trim pieces away from the screen.

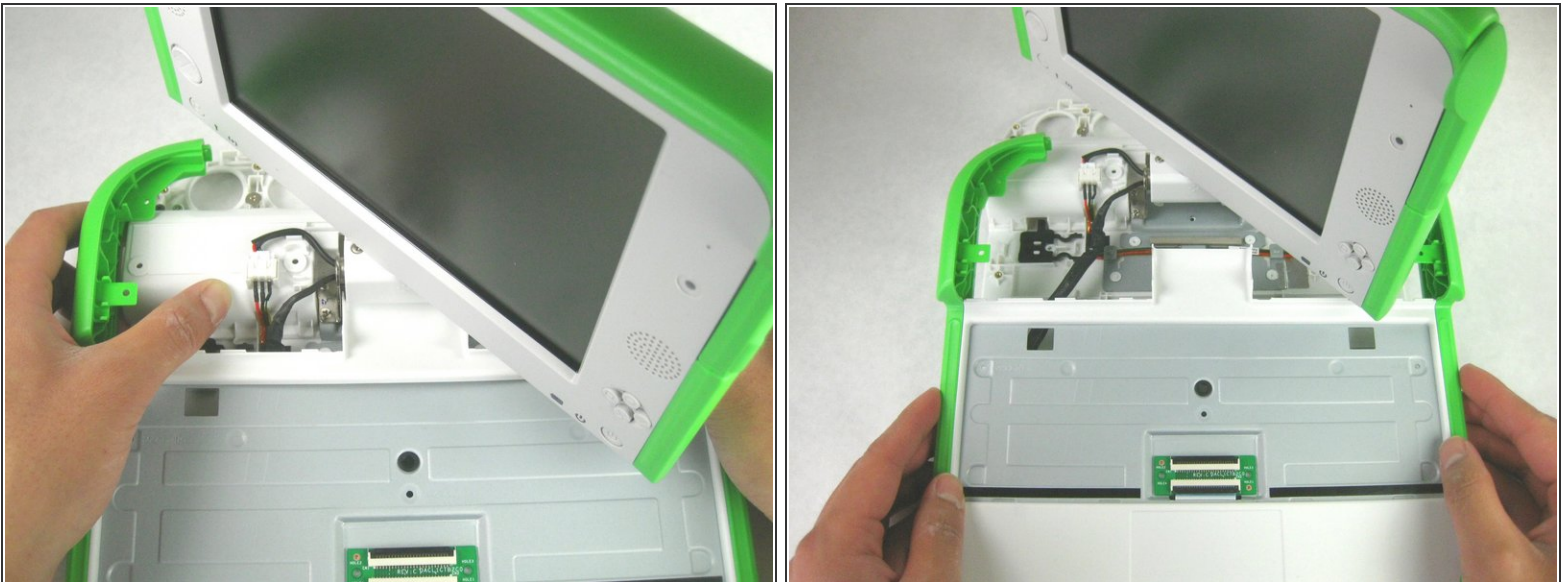
 This should release the entire bottom portion of the laptop.

Step 14



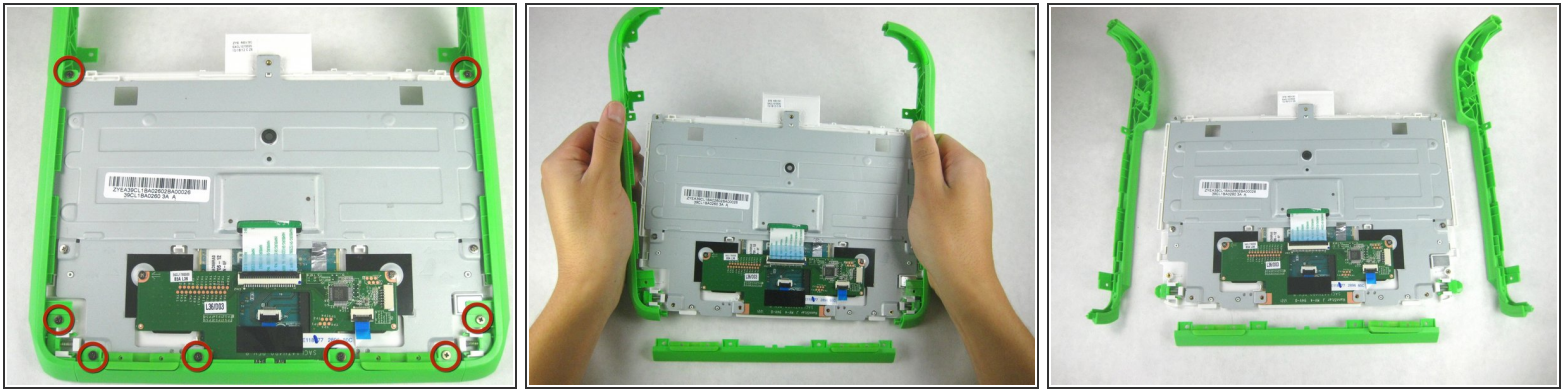
- Unplug the cable from the mouse buttons controller to completely remove the lower frame from the device.

Step 15



- Rotate the entire lower assembly up slightly, and pull it away from the screen to free it from the screen hinge.
- ⓘ There may be some adhesive holding the cable to the metal plate. Gently pull the cable off of the plate if it is stuck.

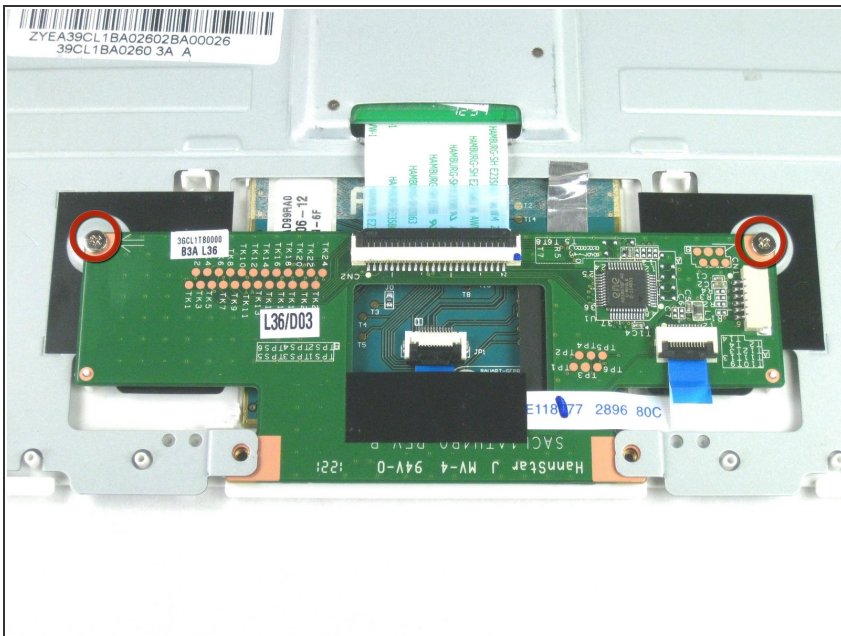
Step 16 — Mouse Buttons Controller



i You should now be looking at the bottom of the lower case.

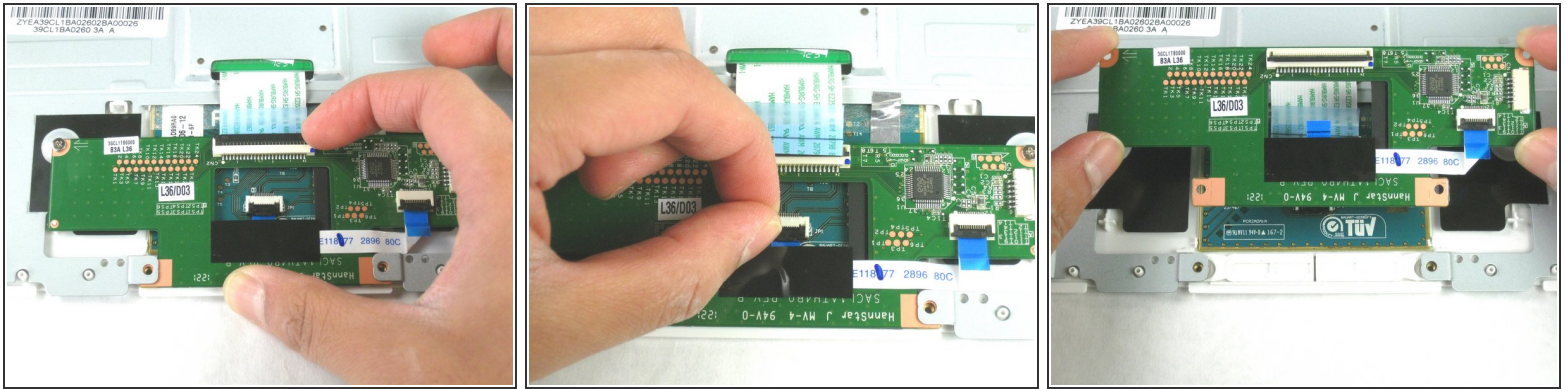
- Remove the eight 4mm Phillips #1 screws attaching the green trim pieces to the lower frame.
- Pry off the front and side trim pieces.

Step 17



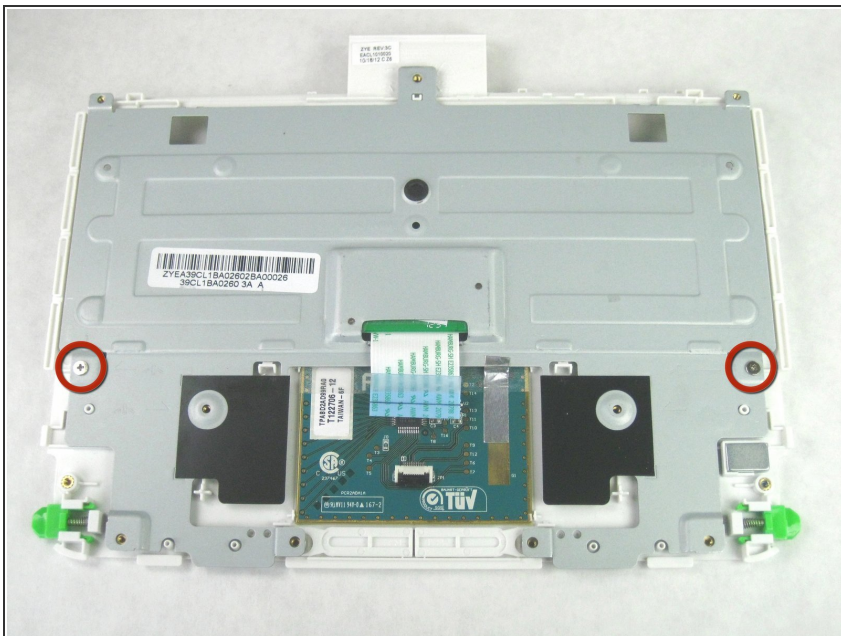
- Remove the two 4mm Phillips #1 screws that attach the mouse buttons controller to the lower frame.

Step 18



- Disconnect the ribbon cable attached to the keyboard compartment.
- Unplug the ribbon cable between the touchpad and the mouse buttons controller.
- Remove the mouse buttons controller from the device.

Step 19 — Touchpad Controller



- Remove the two 4mm Phillips screws that attach the metal plate to the touchpad assembly.
- ⓘ Be sure not to lose the silver magnet in the lower right corner of the touchpad assembly.

Step 20



- Remove the silver contact tape from the metal plate.
- Lift the metal plate off of the touchpad assembly.

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