HP Chromebook 14-x013dx Motherboard Replacement

How to replace the motherboard in an HP Chromebook 14-x013dx.

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INTRODUCTION

This guide describes how to replace a faulty motherboard in an HP Chromebook 14-x013dx. A malfunctioning motherboard could be due to overheating or other damage to the laptop. This replacement involves removing the laptop's keyboard, and the total repair time should take about 25 minutes.

🔧 TOOLS:

- Spudger (1)
- Phillips #00 Screwdriver (1)

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Step 1 — Keyboard, Touchpad

- Using the plastic spudger, gently lift the 5 rubber pads away from their seating.

Step 2

- Remove the five 6mm screws located under the removed pads using Phillips #00 screwdriver.
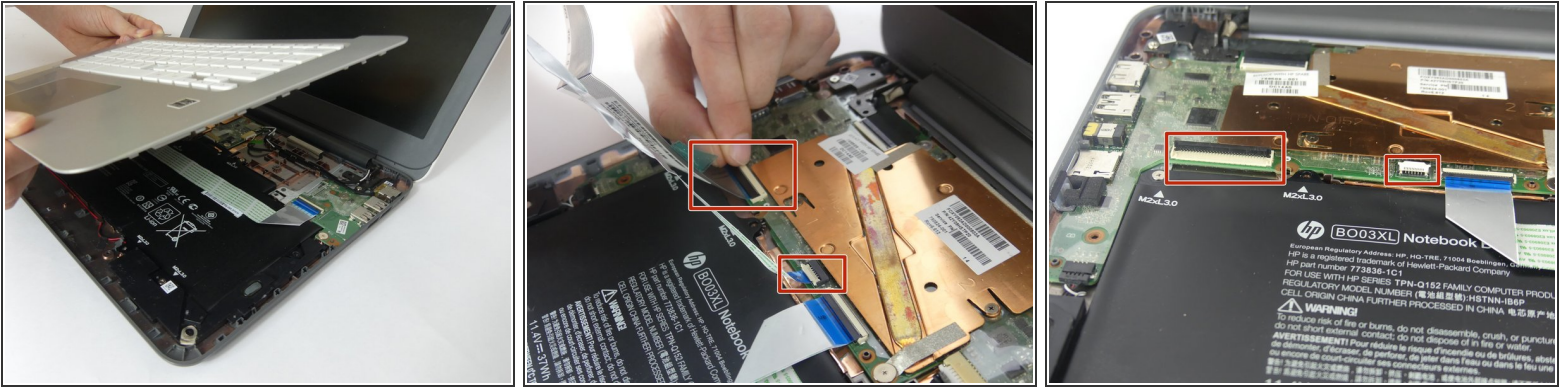
Step 3

- With the Phillips #00 screwdriver, remove the remaining eight 6mm screws. You will now have thirteen 6mm screws removed from the case.
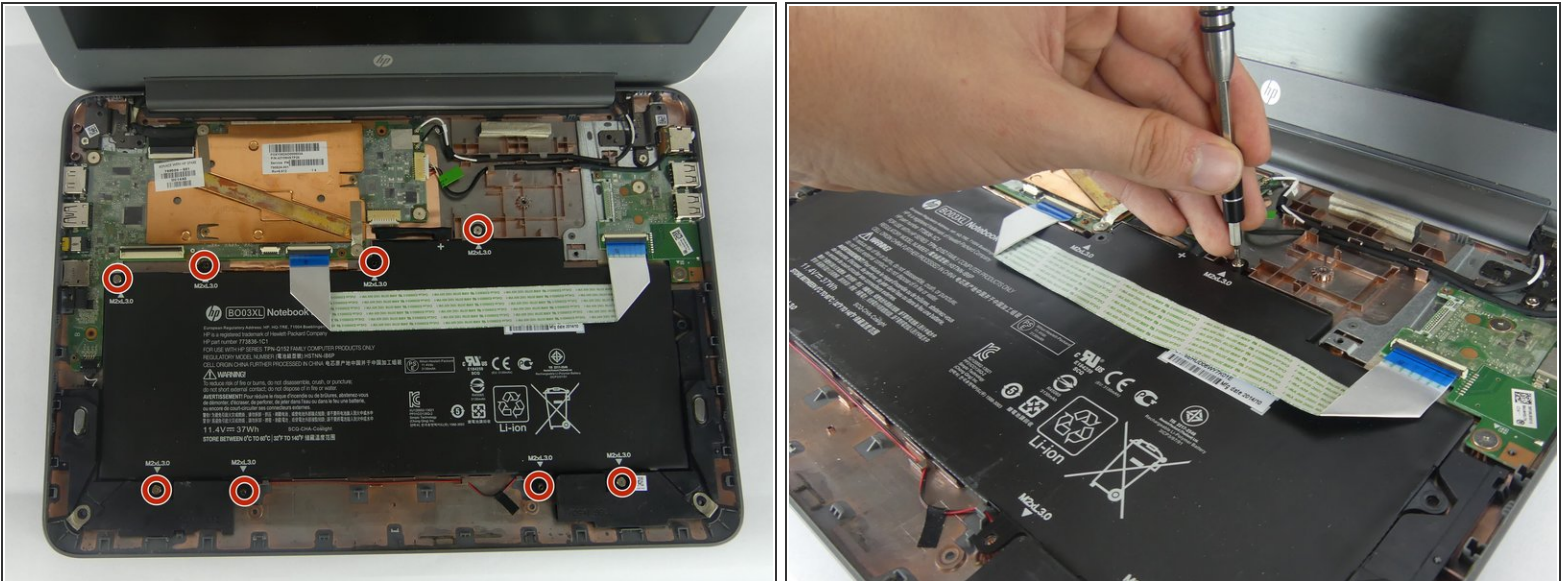
Step 4

- To continue removing the back cover, turn the laptop over as displayed.

- Use the plastic spudger to gently pry around the base of the laptop from the back cover. Continue prying around the entire base of the laptop.

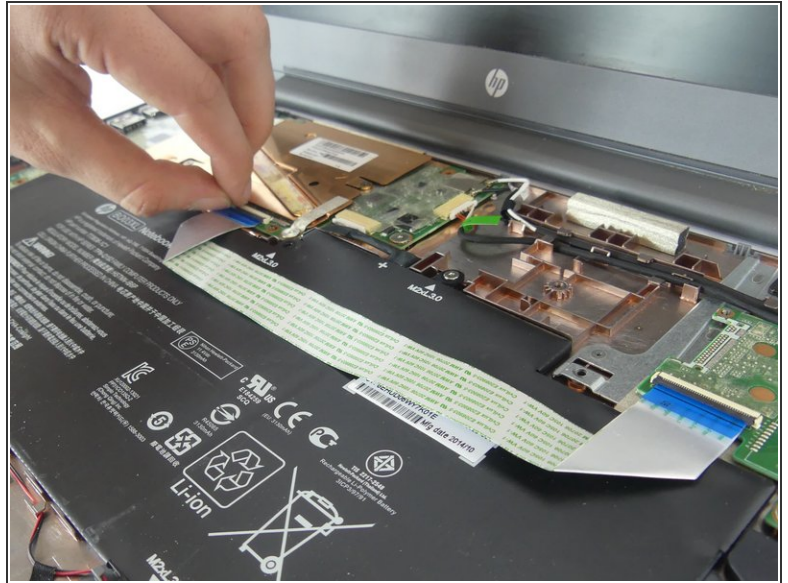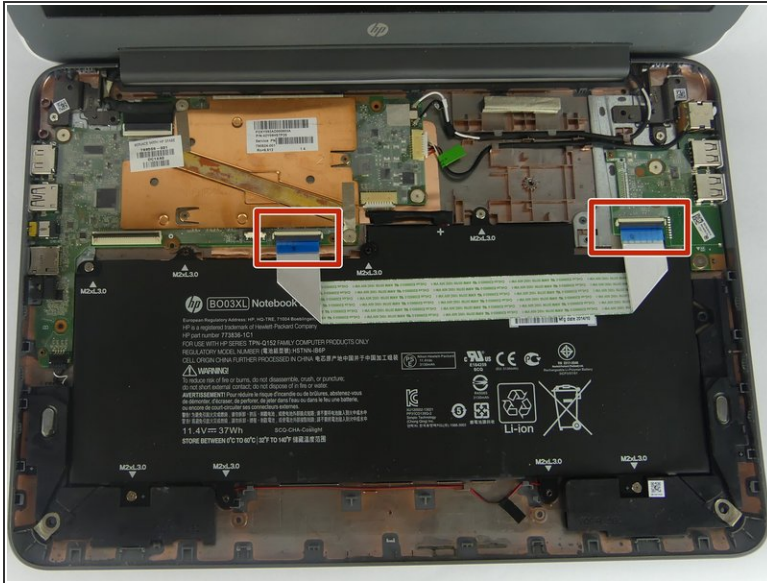This document was generated on 2021-03-11 10:59:38 PM (MST).

Step 5

- Gently lift the silver base of the laptop from the bottom, but do not remove it.

- To remove the ribbon cables, lift the latch holding the ribbon cables in place and then pull them free.

- Remove the keyboard panel from the laptop.
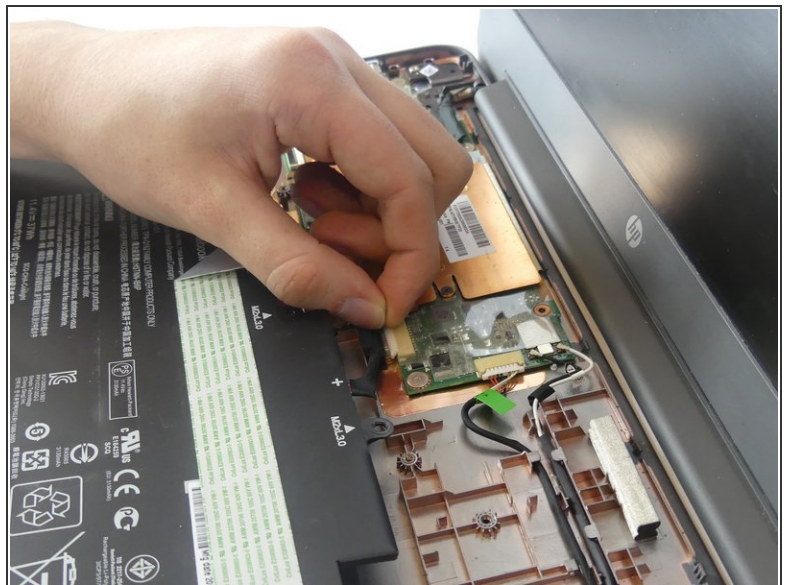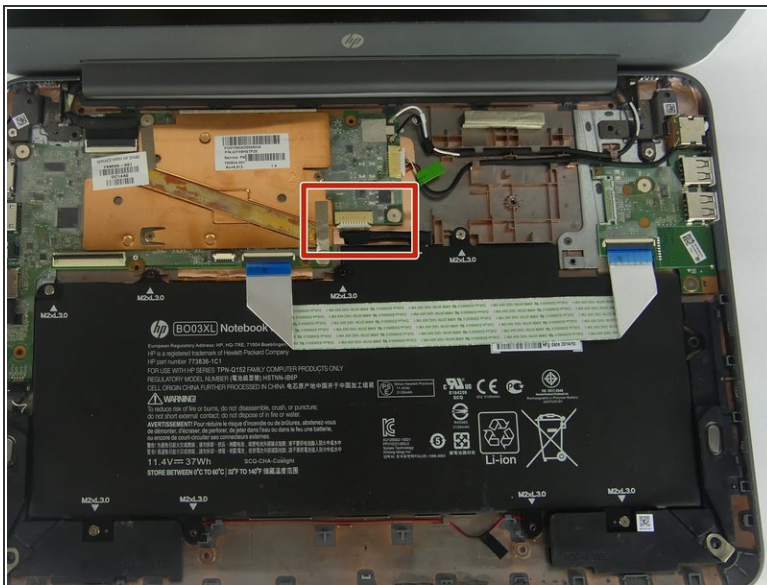
Step 6 — Battery

- Remove the eight 4mm screws holding the battery in place using the Phillips #00 screwdriver.

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Step 7

- Remove the ribbon cable that runs over the battery by lifting up the plastic latches and pulling the cable away.
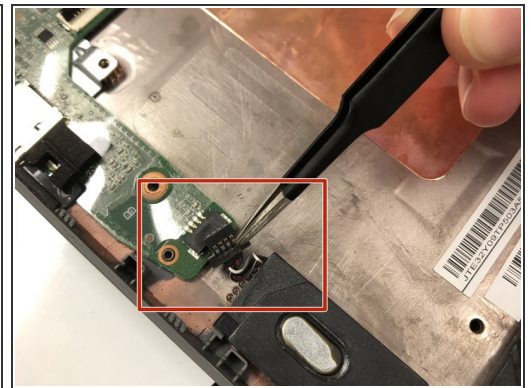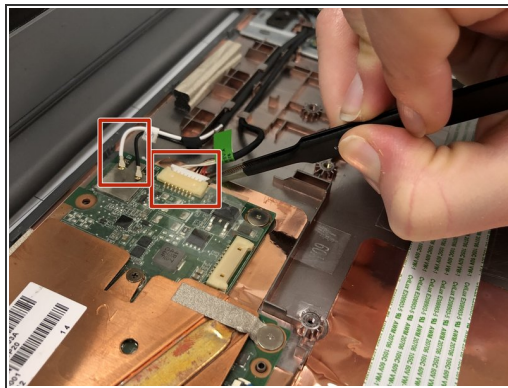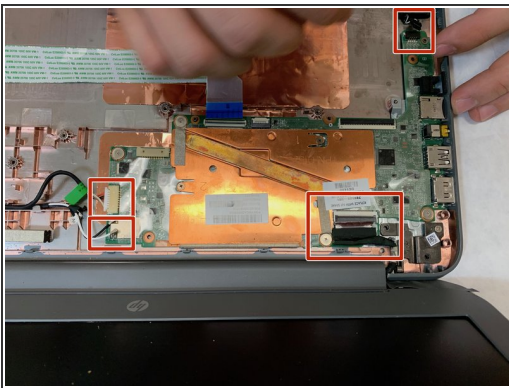
Step 8

- Unhook the battery's power connector from the motherboard.

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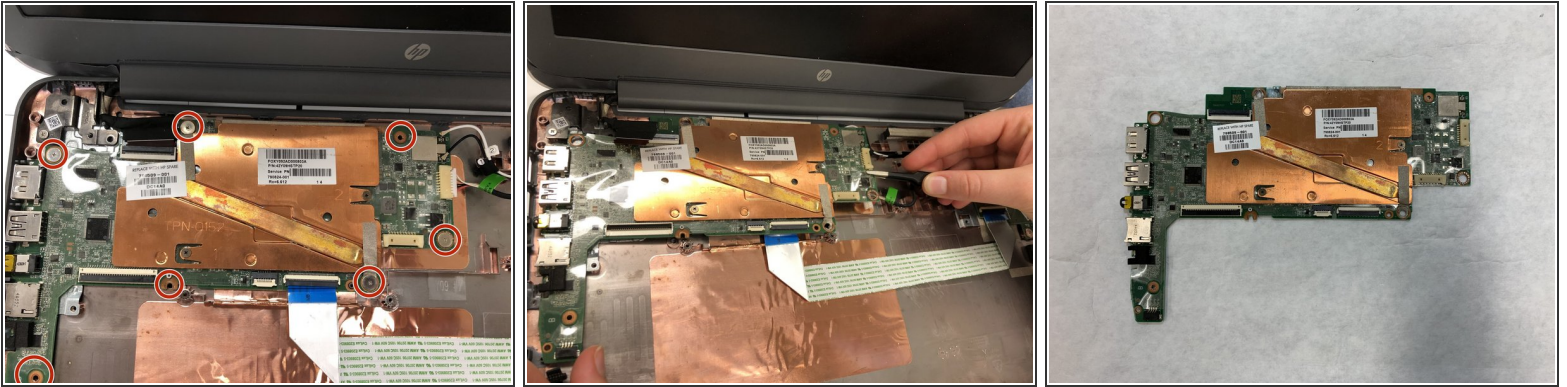
Step 9

- Lift the battery out of the laptop case.

Step 10 — Motherboard

- Carefully remove the 4 connections.

Step 11

- Using a Phillips #00 screwdriver, remove the seven 2mm screws holding the motherboard in place.

- Gently lift the motherboard out of the laptop case.

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