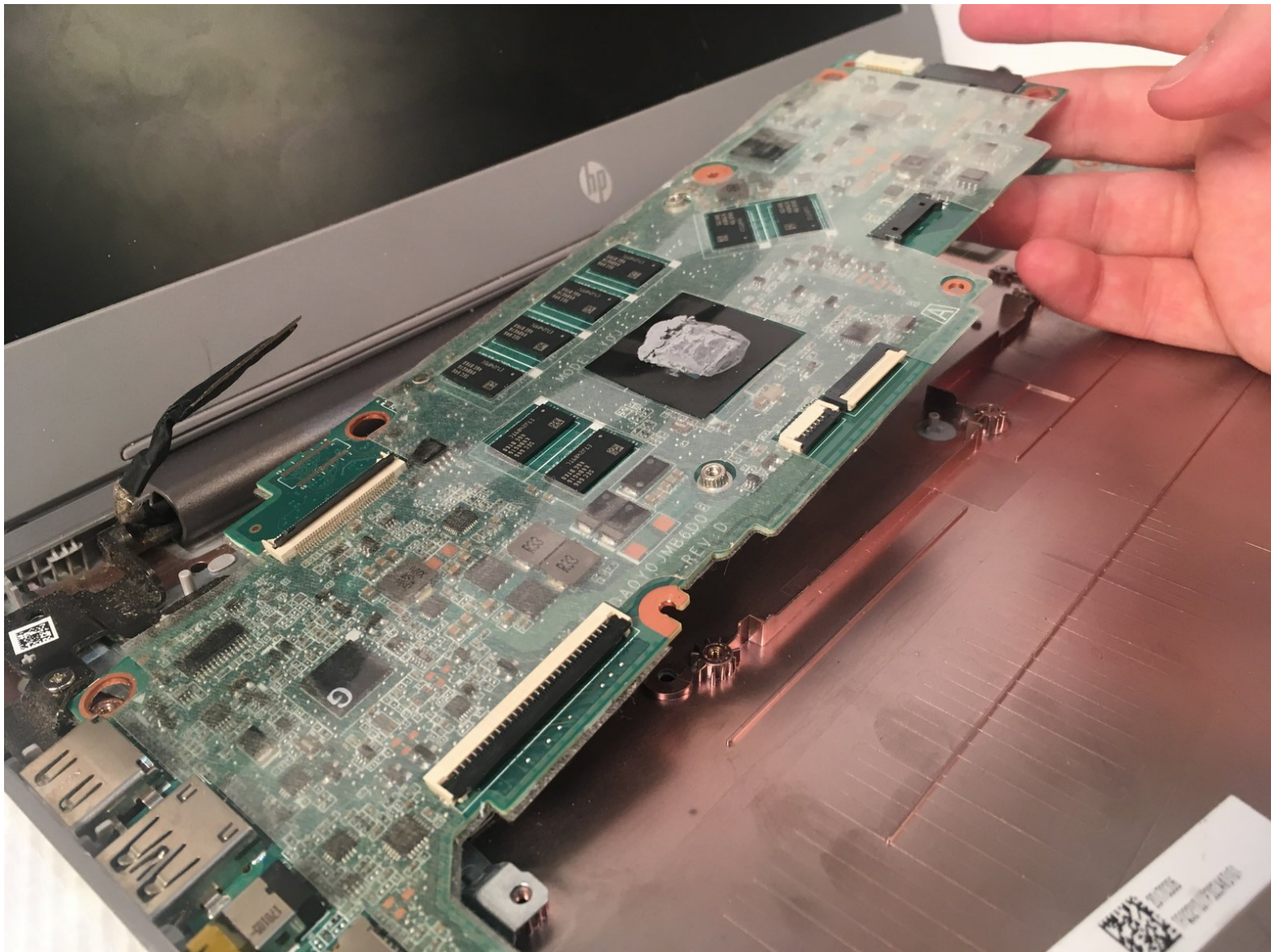




HP Chromebook 14-ak041dx Motherboard Replacement

Use this guide to replace the motherboard in your HP Chromebook 14-ak041dx.

Written By: Sam Keesling



INTRODUCTION

This guide will walk you through the replacement of an old or corroded motherboard in your HP Chromebook 14-ak041dx. You may need to replace your motherboard if your Chromebook offers continuous slow performance. An upgrade may help it run faster.



TOOLS:

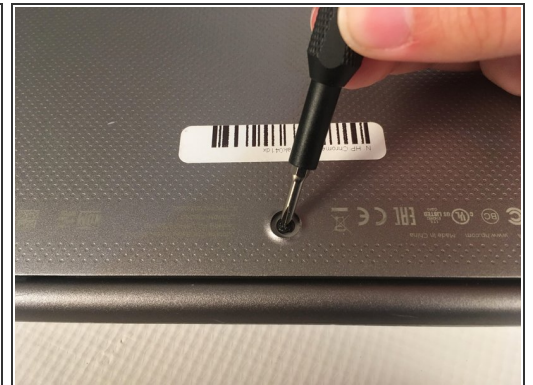
- [Phillips #00 Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [Tweezers](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [Phillips #000 Screwdriver](#) (1)
-

Step 1 — Keyboard



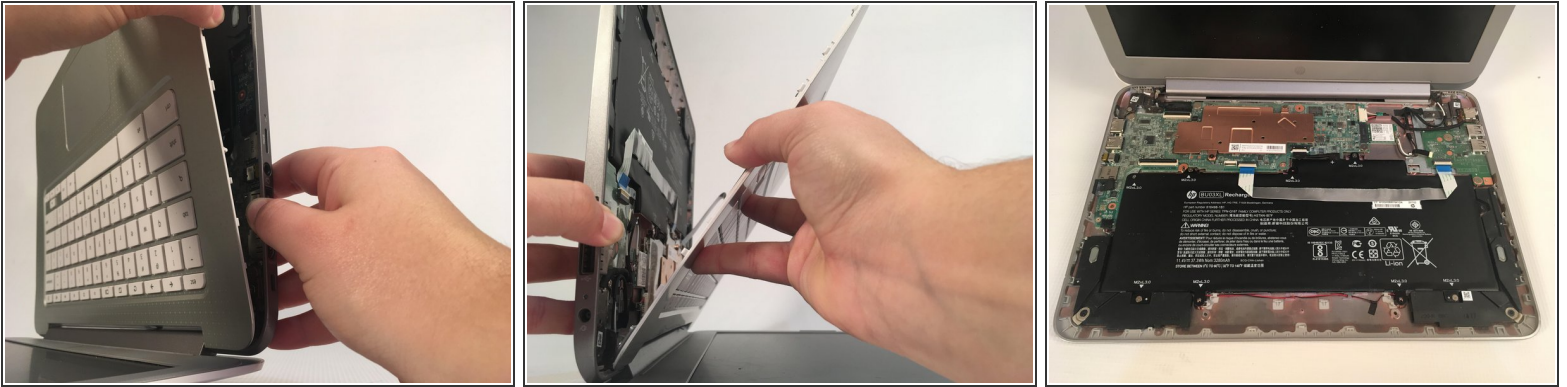
- Remove eight 5mm Phillips #0 screws from the back cover of the laptop.

Step 2



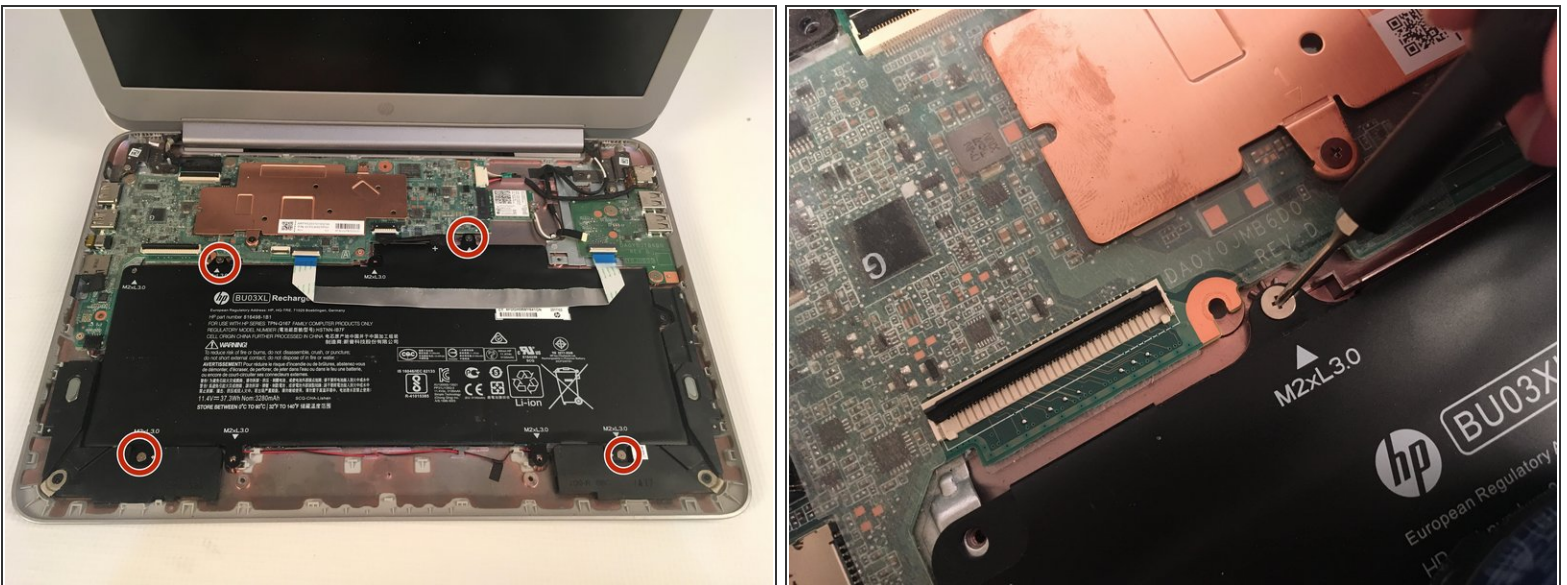
- Using a pair of tweezers, remove the five grey silicone covers.
- Remove the five 5mm Phillips #0 screws beneath the grey silicone covers.

Step 3



- Carefully open up your Chromebook and gently pull the keyboard away from the back panel.

Step 4 — Battery



- Remove the four 3mm Phillips #000 screws holding the battery in place.

Step 5



- Slide a spudger underneath the white strip over the battery to gently pull the strip away from the adhesive sticking to the battery.
- Using a pair of tweezers, grip the black tape connected to the battery, and gently pull back to unplug the battery.

Step 6



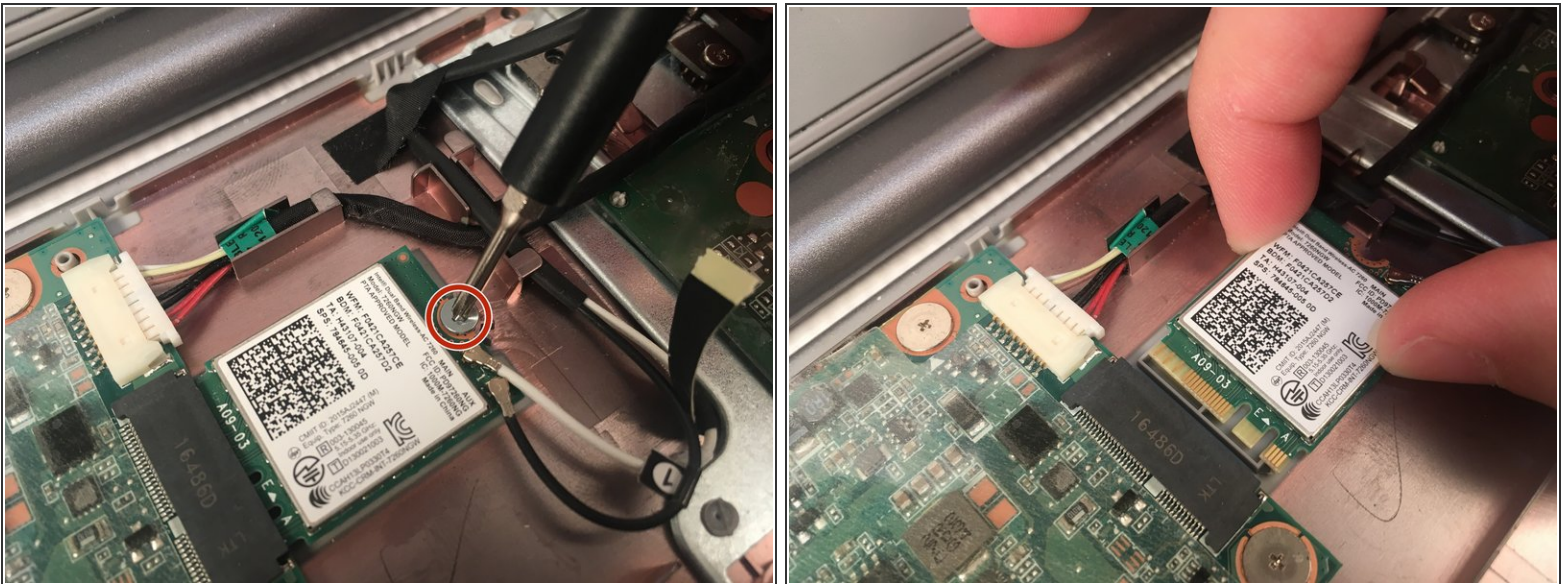
- Carefully lift the battery out of the laptop.

Step 7 — Heat Sink



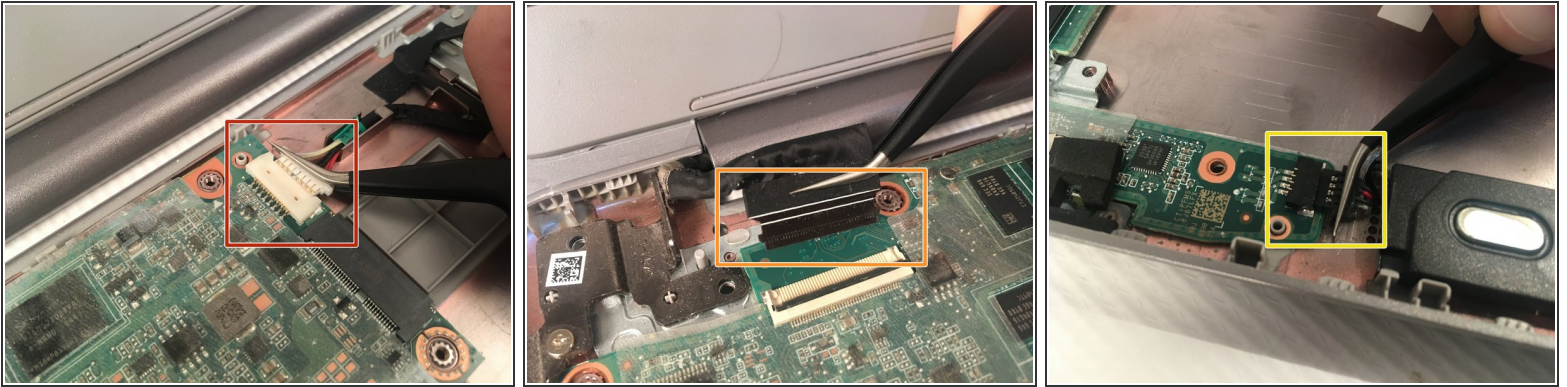
- Remove the two 1.5mm Phillips #000 from the copper heat sink on top of the motherboard.
- Remove the heat sink from the laptop.

Step 8 — Wireless Card



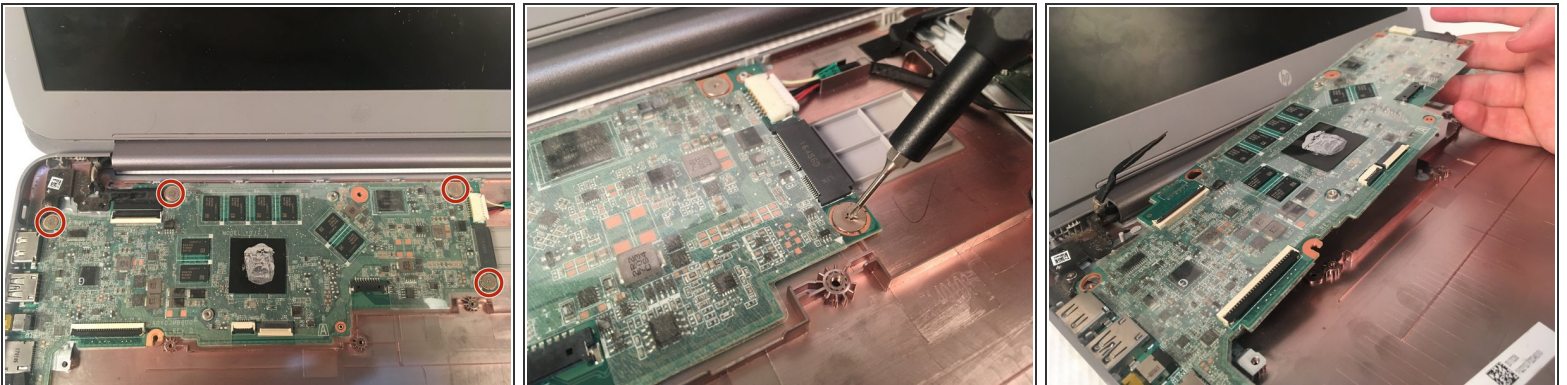
- Remove the single 2.5mm Phillips #00 screw from the wireless card.
- Gently pull the wireless card from the motherboard to remove it.

Step 9 — Motherboard



- Gently pull the wire connector with a pair of tweezers to free it from the motherboard.
- Use a pair of tweezers to remove the black ribbon cable from its connector.
- Use the tweezers to detach the wire connector from the bottom left corner of the motherboard.

Step 10



- Remove the four Phillips #000 screws holding the motherboard in place.
- Remove the motherboard from the laptop.

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