



# HP Chromebook 11 G4 Motherboard Replacement

This guide will show you how to replace the motherboard on the HP Chromebook 11 G4

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## INTRODUCTION

The motherboard is the electronic circuit board of which all other components are connected to. A broken motherboard is a broken computer.

### TOOLS:

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

### PARTS:

- [HP Chromebook 11 G3/G4 Motherboard](#) (1)
- [HP Chromebook 11 G3/G4 Bottom Cover](#) (1)
- [HP Chromebook 11 G3/G4 LCD Cable](#) (1)
- [HP Chromebook 11 G3/G4 Speaker Set](#) (1)
- [HP Chromebook 11 G3/G4 Wi-Fi Card](#) (1)

## Step 1 — Keyboard



- Position the closed Chromebook with the rubber pads are facing up.

## Step 2



- Slide the flat end of the spudger under the rubber pads at the upper right-hand and the upper left-hand corners.
- Pry off the rubber pads to reveal a screw under each pad.

**⚠** The rubber pads are attached with a strong adhesive. The force applied may damage the pads.

This document was generated on 2019-09-20 01:46:10 AM (MST).

## Step 3



- Remove the eleven 6mm Phillips #1 screws.

## Step 4



- Flip over the Chromebook and open it.

## Step 5

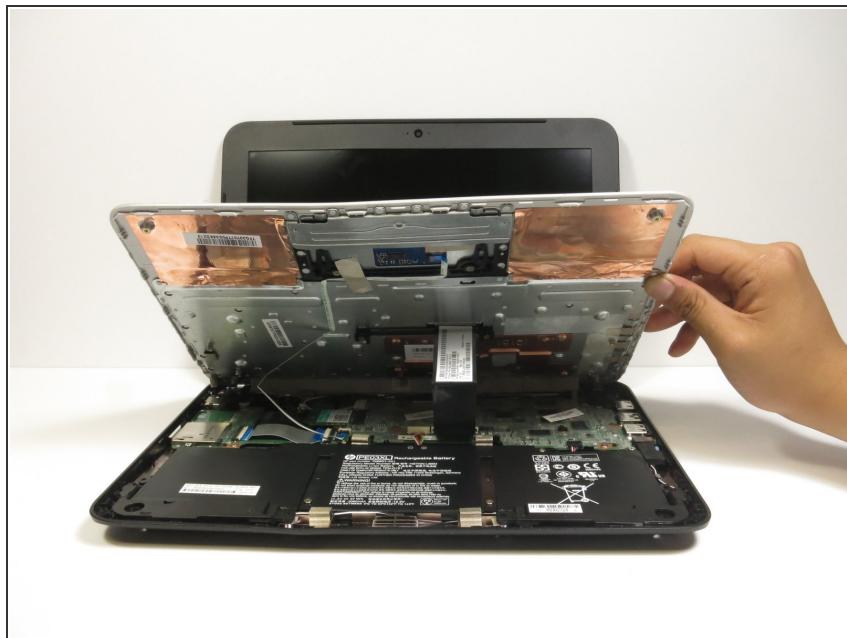


- Insert the flat end of the spudger between the bottom body of the Chromebook and keyboard body.
- Slide the spudger along the gap, applying downward pressure to separate the two components.

*(i)* You should hear popping sounds as you slide the spudger along the edge.

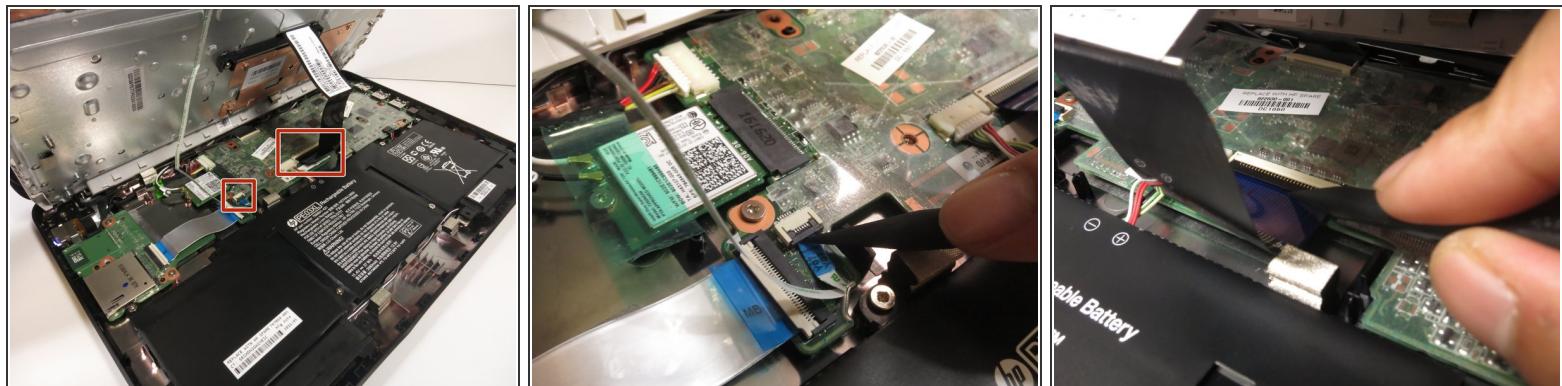
*(i)* If the spudger gets stuck while sliding, simply slide the spudger back for a bit, and continue sliding forward.

## Step 6



- Lift the bottom of the keyboard assembly to reveal the internal components of the device.

## Step 7



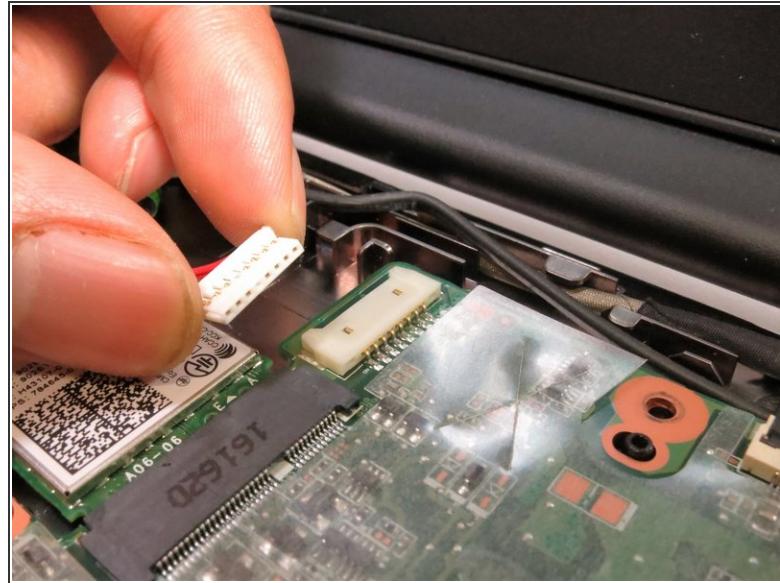
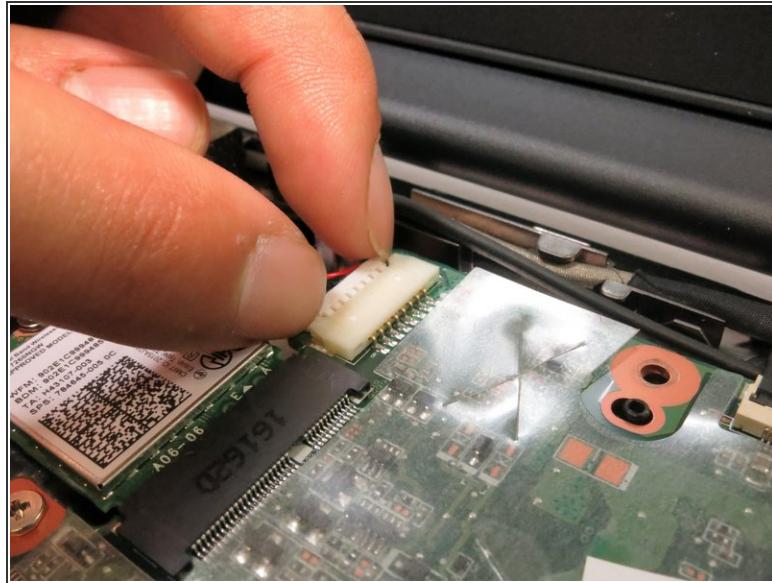
- Use the pointed end of the spudger to flip up the black tabs on the two ZIF connectors located on the motherboard.
- Disconnect the ribbon cables from the motherboard by gently sliding them out of their sockets.

## Step 8



- Remove the keyboard assembly by lifting it off the laptop base.

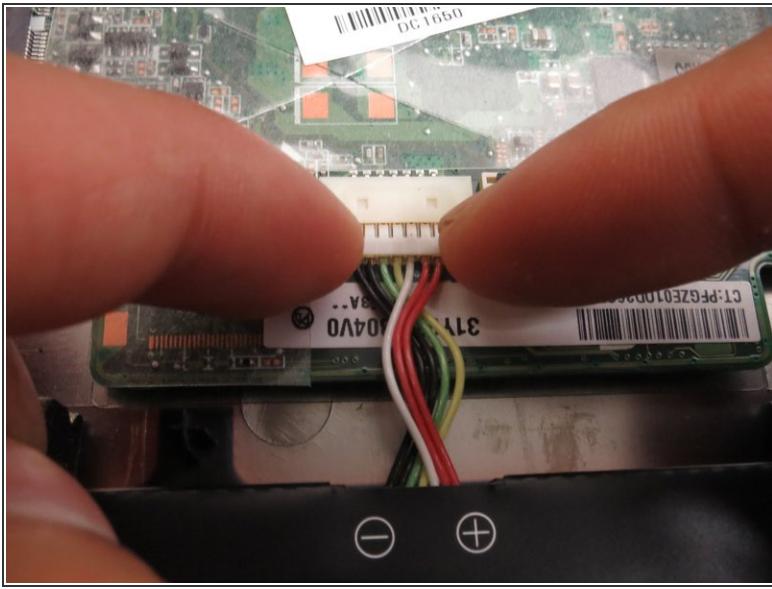
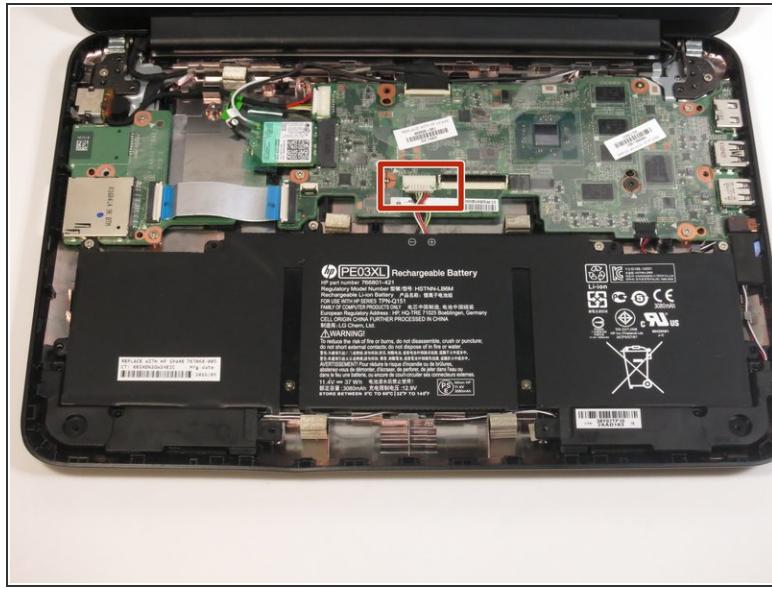
## Step 9 — Motherboard



- Remove the cable at the top left of the motherboard by grabbing the male connector and applying force in the direction of the wires away from the motherboard.

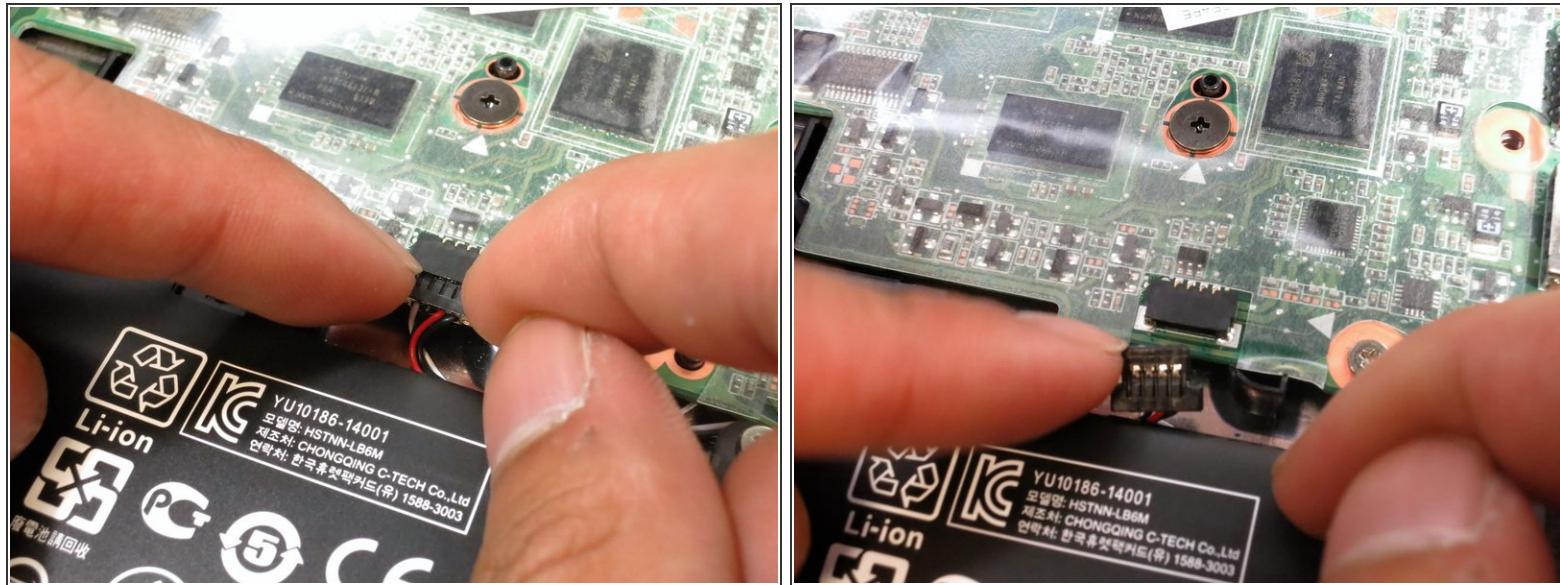
**⚠** Do not pull on the wires to apply more force. Instead, gently wiggle the connector until it slides out.

## Step 10



- Disconnect the battery wires from the motherboard by applying pressure on the male connector away from the motherboard.
- ① Do not pull on the wires to apply more force. Instead, gently wiggle the connector until it slides out.

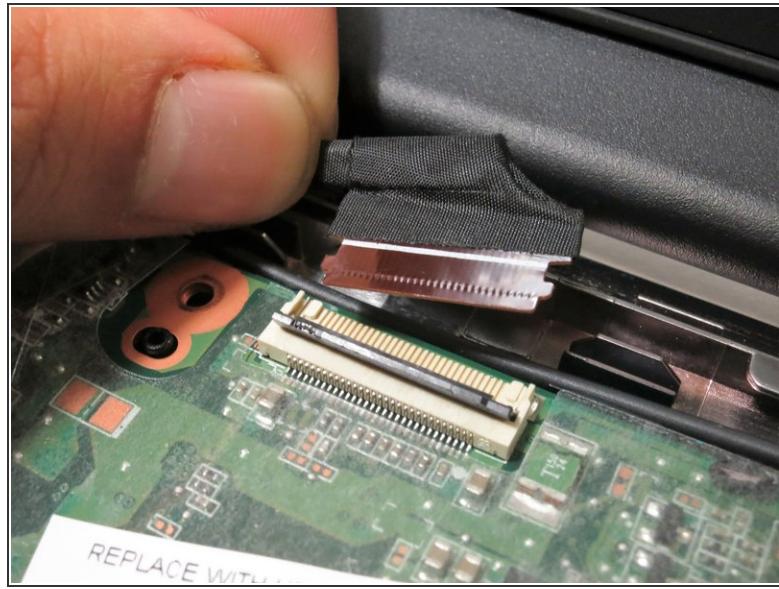
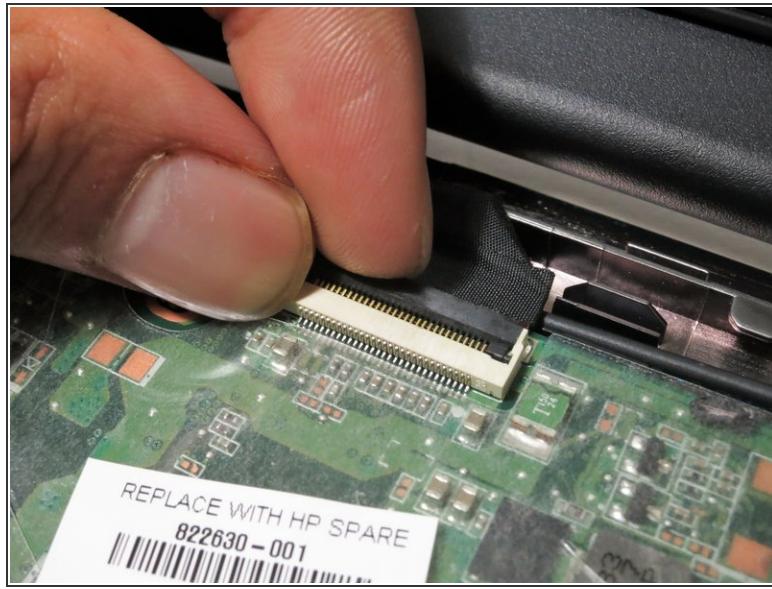
## Step 11



- Disconnect the wire bundle on the bottom right of the motherboard by pulling the black male connector away from its socket on the motherboard.

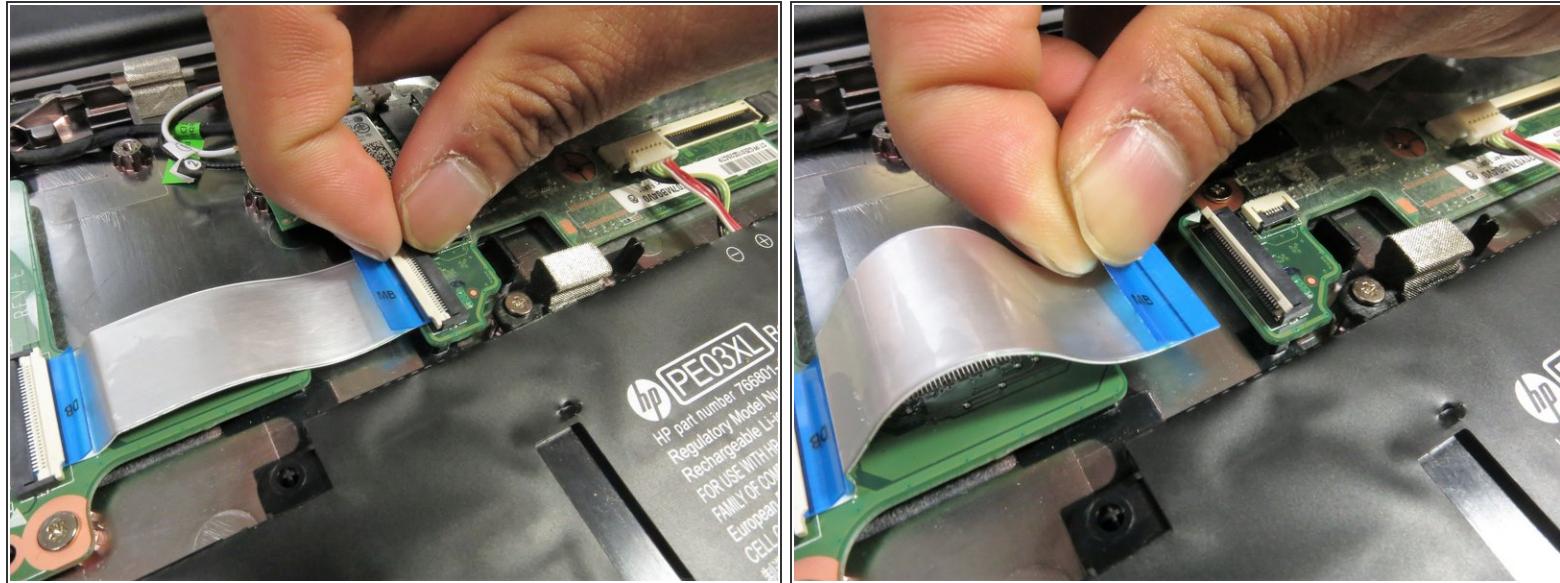
**⚠** Do not pull on the wires to apply more force. Instead, gently wiggle the connector until it slides out.

## Step 12



- Use a fingernail or a spudger to flip up the black tab on the zero insertion force connector located at the top of the motherboard.
- Remove the cable by pulling away from the motherboard.

## Step 13



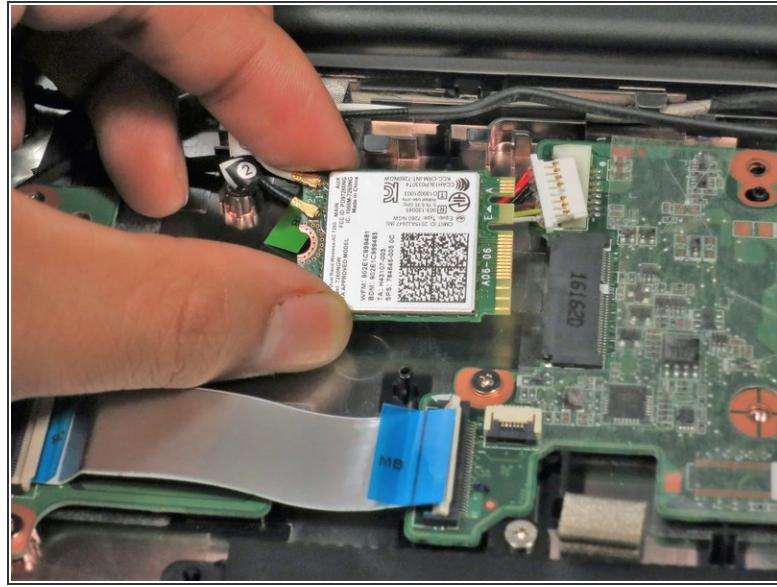
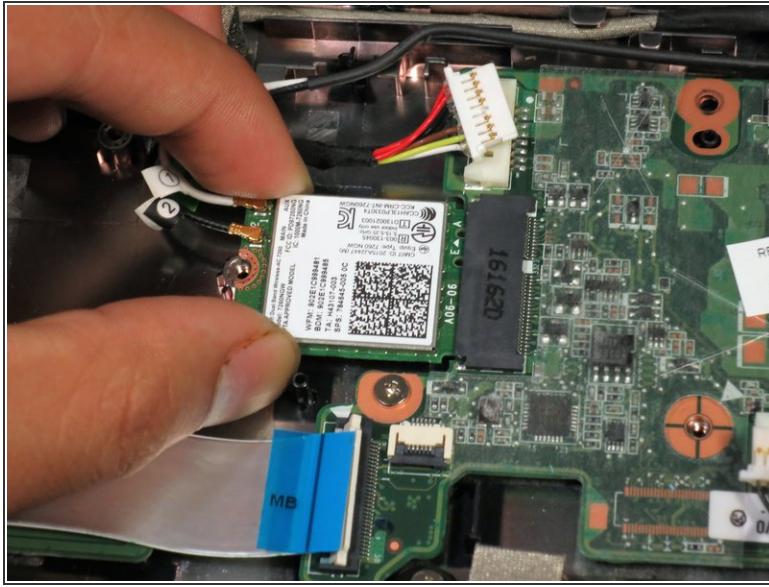
- Use a fingernail or a spudger to flip up the white tab on the zero insertion force connector on the bottom left of the motherboard.
- Remove the cable by pulling away from the motherboard.

## Step 14



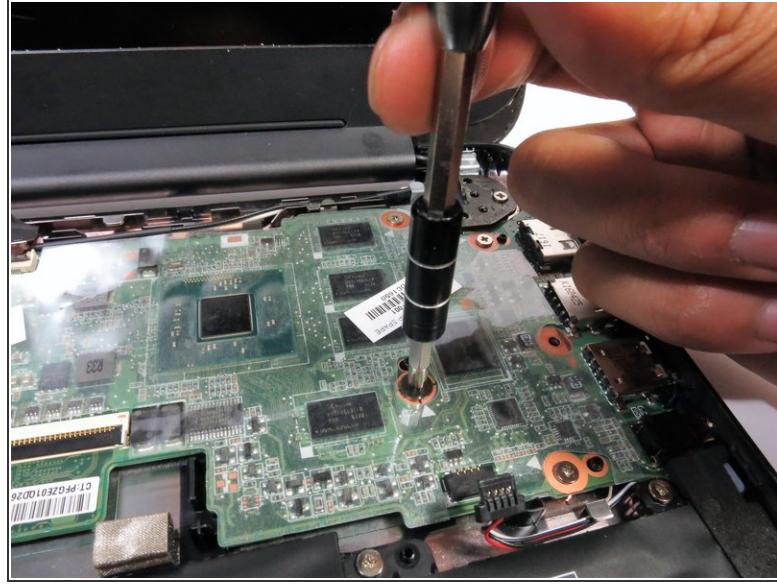
- Remove the 4 mm Phillips #1 screw on the Wi-Fi card.

## Step 15



- Slide the Wi-Fi card away from the motherboard.

## Step 16



- Remove the five 4 mm Phillips #1 screws from the motherboard.

● One of these screws is black, the rest are silver.

## Step 17



- Lift the left edge up and away from the base of the laptop.
- Remove the motherboard.

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