

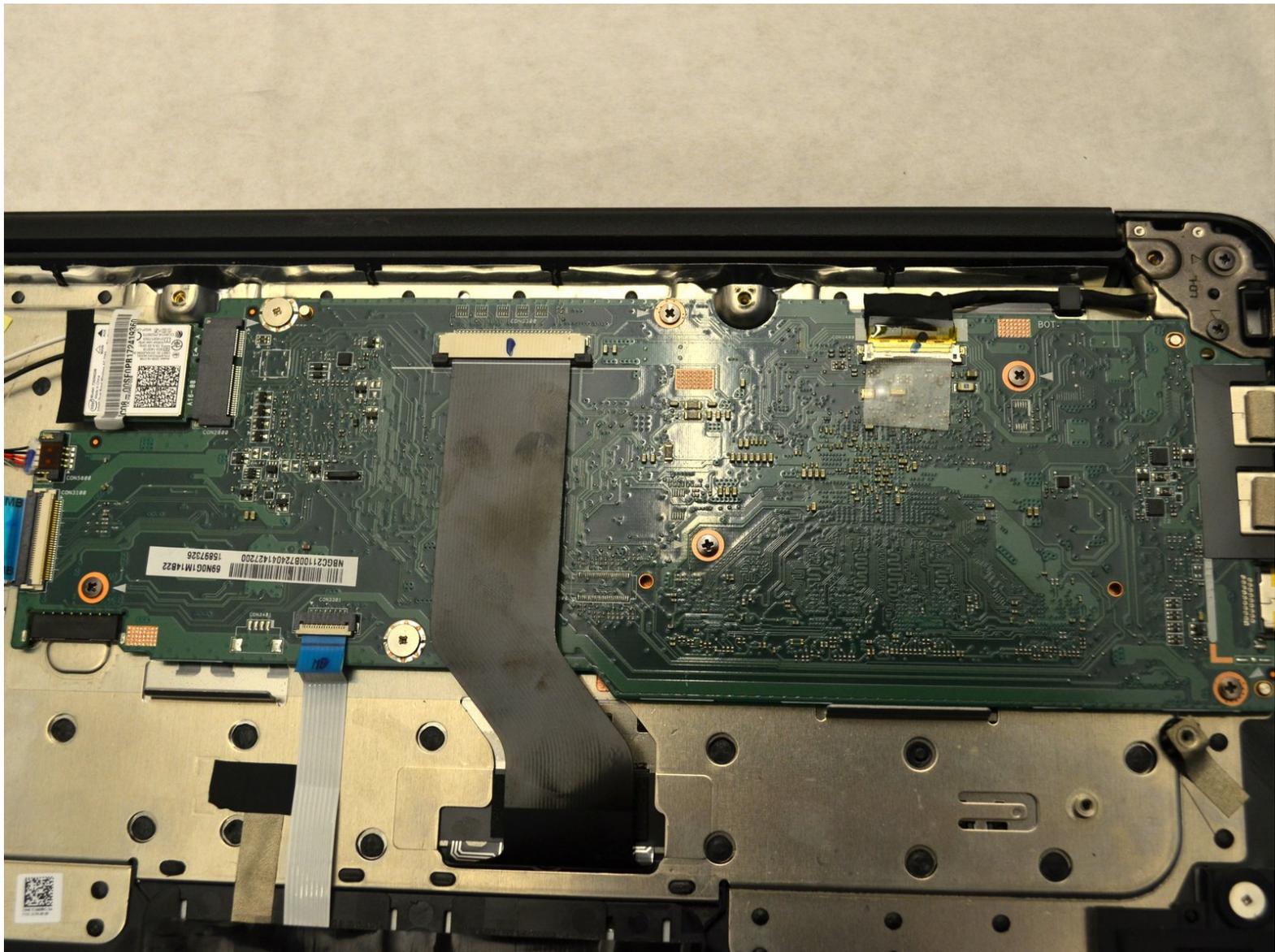


# Acer Chromebook 14 CB3-431-C3WS

## Motherboard Replacement

This guide will show you how to remove and replace the motherboard in your Acer Chromebook 14 CB3-431-C3WS

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## INTRODUCTION

One of the most common complaints about the Acer Chromebook 14 CB3-431-C3WS is that it has a short life span. This can be due to a few reasons, one being that the motherboard may have gone out. A common misconception is that once the motherboard goes out, the entire Acer Chromebook needs to be replaced. Following the steps in this guide may not only save you money on replacing your whole laptop but will also help save the planet from additional technology waste.

Before attempting to replace your motherboard, check the [troubleshooting guide](#) to see if there may be an easier solution.

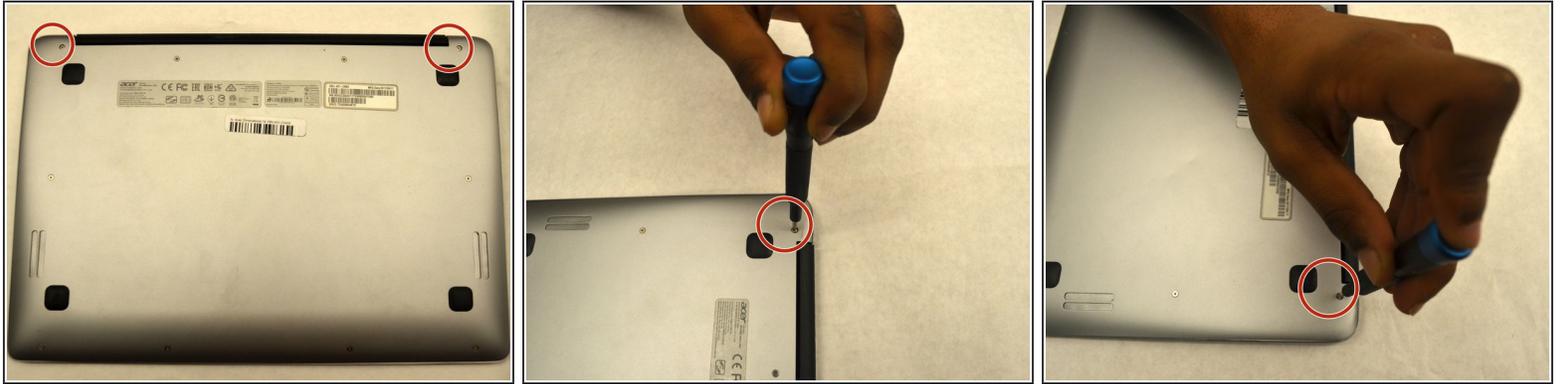
Make sure the laptop is powered off and disconnected from any external power source before beginning any repairs.

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### TOOLS:

- [JIS #0 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
  - [iFixit Opening Picks set of 6](#) (1)
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## Step 1 — Back Cover



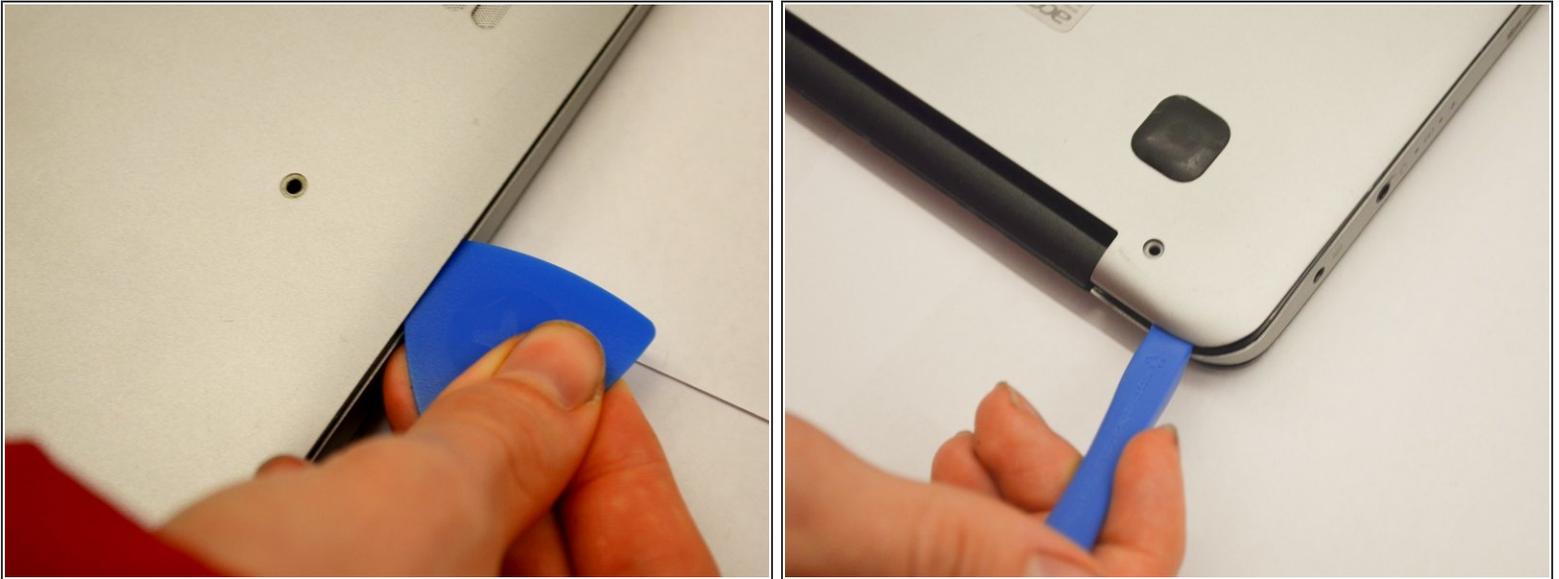
- Remove the two 6mm JIS #0 screws from either side of the hinges.

## Step 2



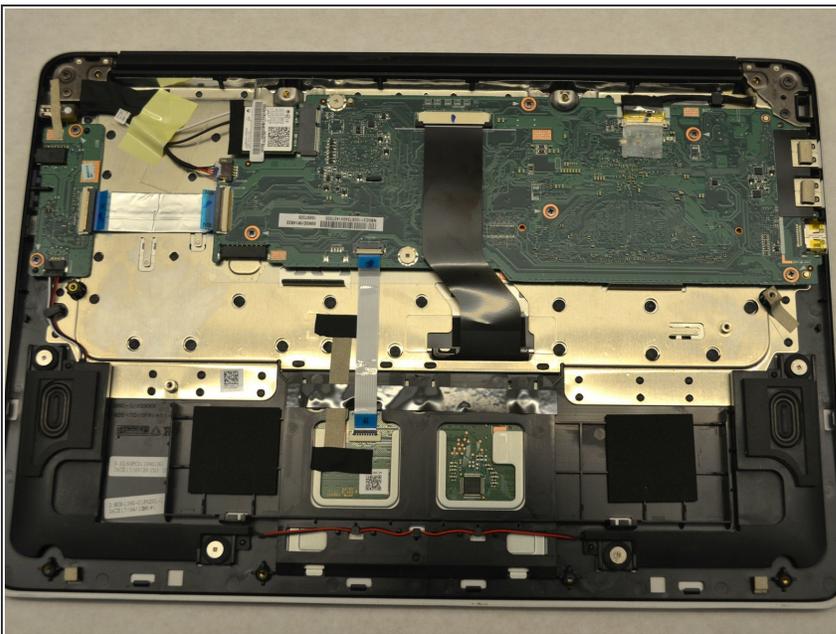
- Remove the eight 4mm JIS #0 screws from the back cover.

### Step 3



- Insert an opening pick between the back panel and the sides of the computer to begin lifting the back off.
  - ⓘ There are several clips holding the cover in place.
- After the sides have been lifted, use the opening tool to finish opening the back cover.

### Step 4



- Lift off the back cover.

## Step 5 — Battery



- Remove the two JIS #0 screws that connect the battery to the rest of the laptop.

## Step 6



- Pull the white tab connected to the battery out of the black tab that connects to the motherboard.

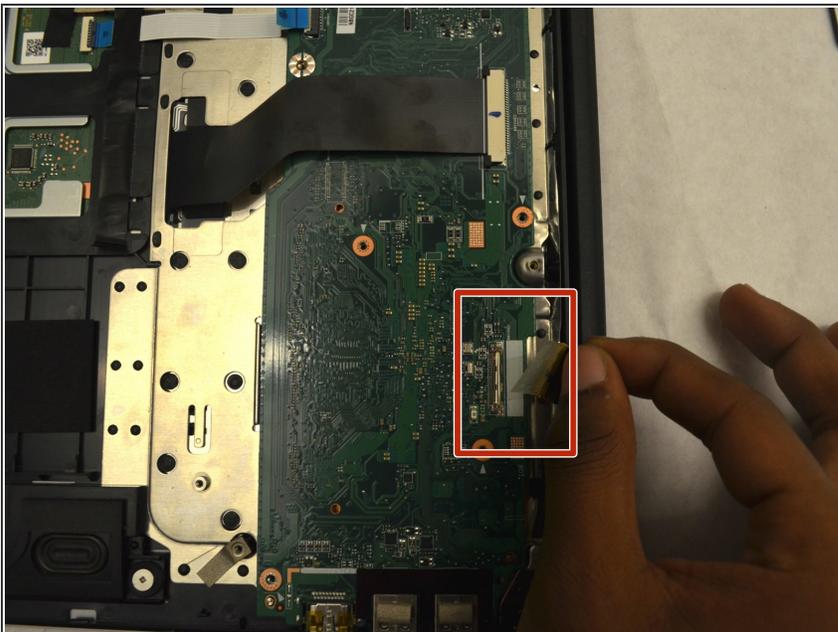
⚠ It is extremely important that this is done carefully and slowly to avoid causing damage to the motherboard.

## Step 7



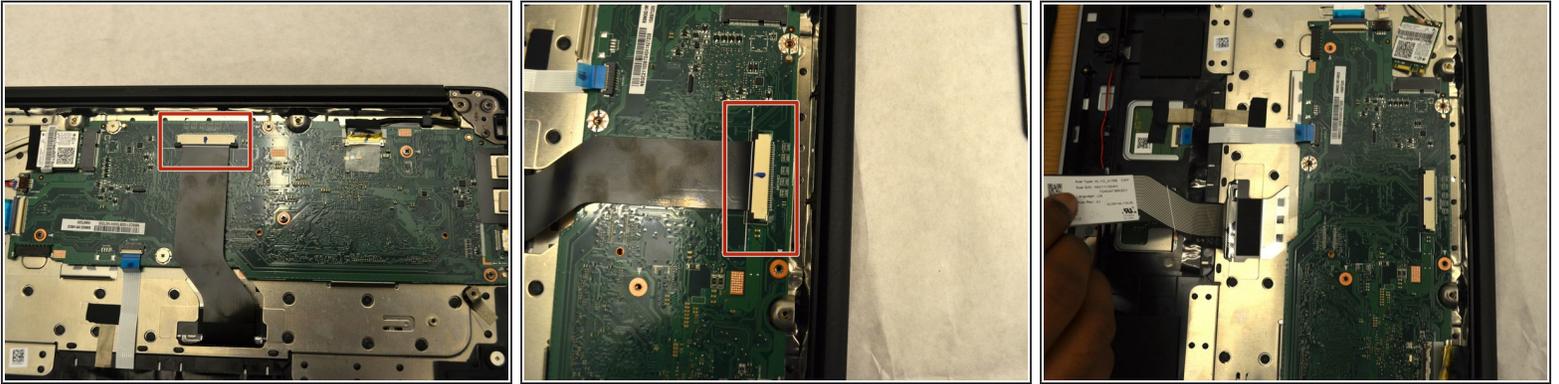
- Lift the battery out gently.

## Step 8 — Motherboard



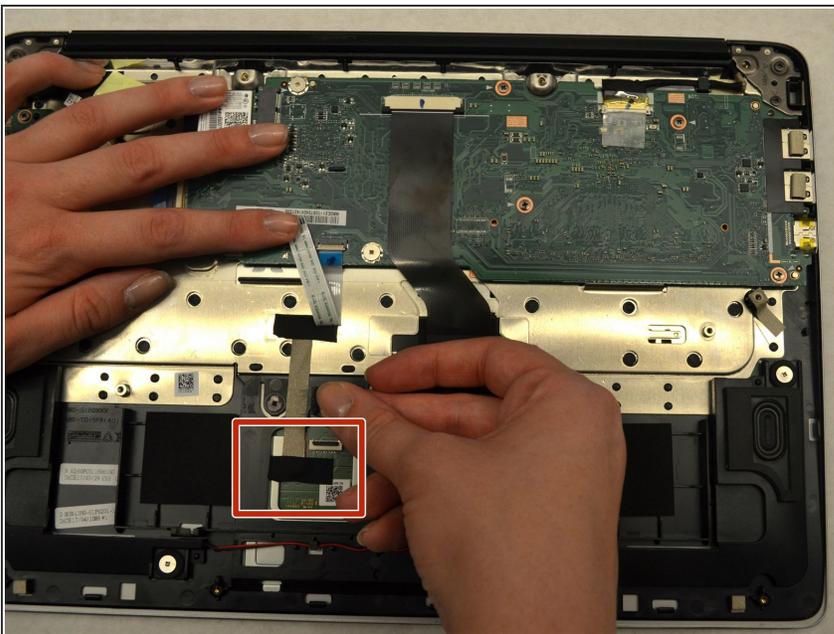
- Disconnect the LCD cable from the motherboard by removing the tape on the LCD connector, then gently pulling out the ribbon cable.

## Step 9



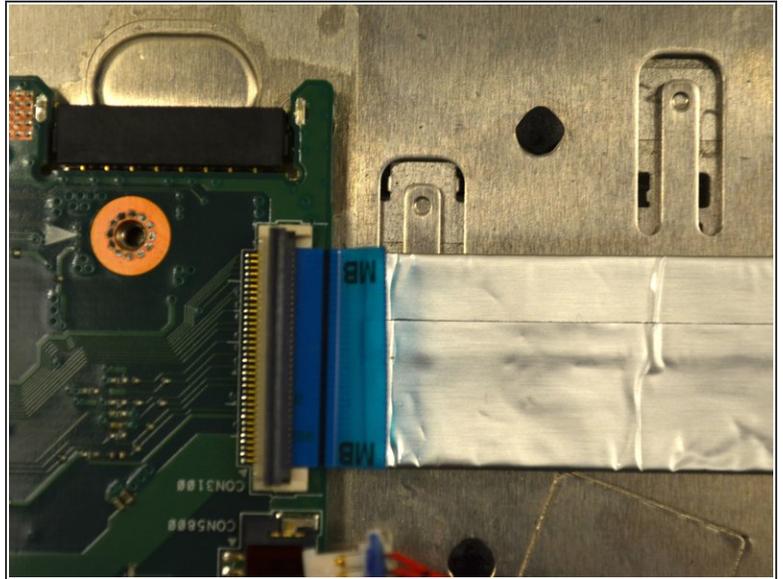
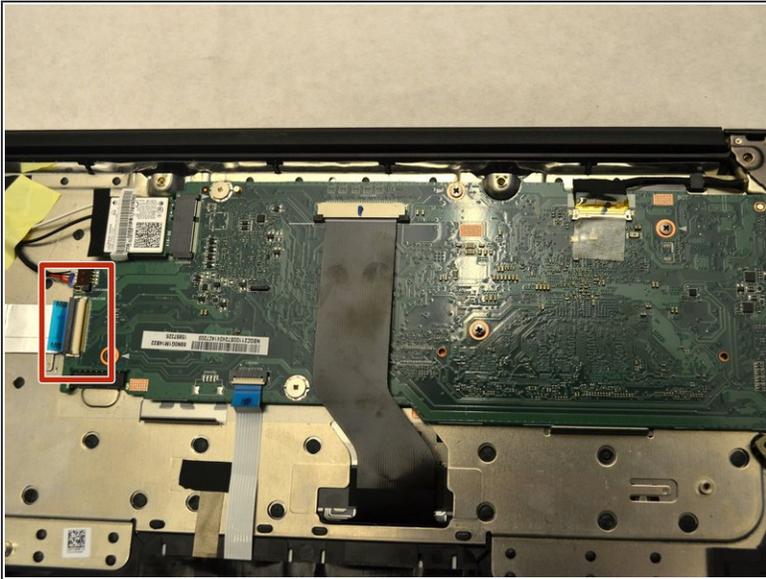
- Disconnect the LCD cable from the motherboard by gently pulling on the cable.

## Step 10



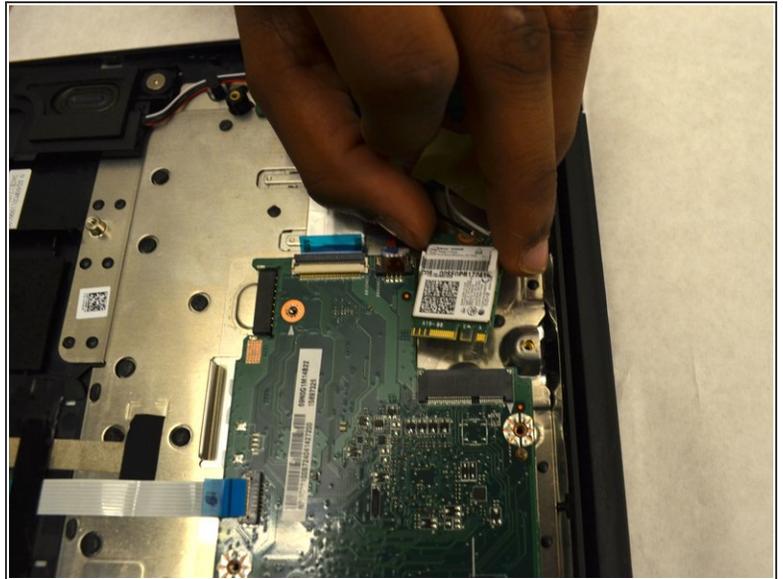
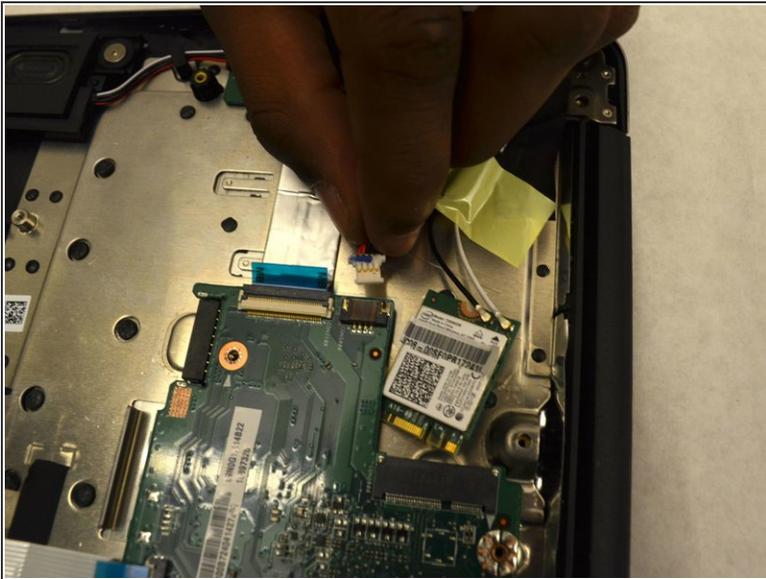
- Disconnect the trackpad by pulling on the trackpad connector cable.

## Step 11



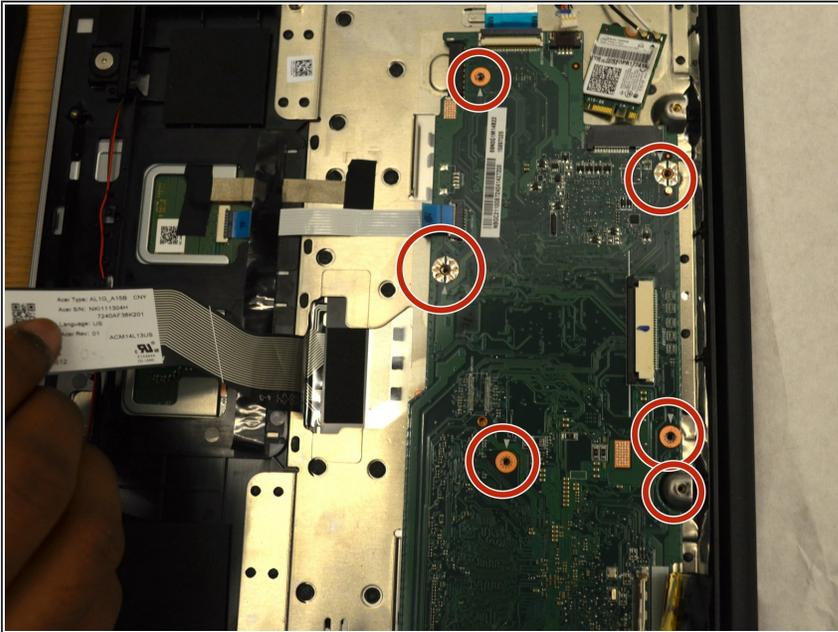
- Disconnect the daughterboard from the motherboard by gently removing the daughterboard cable from the motherboard connector.

## Step 12



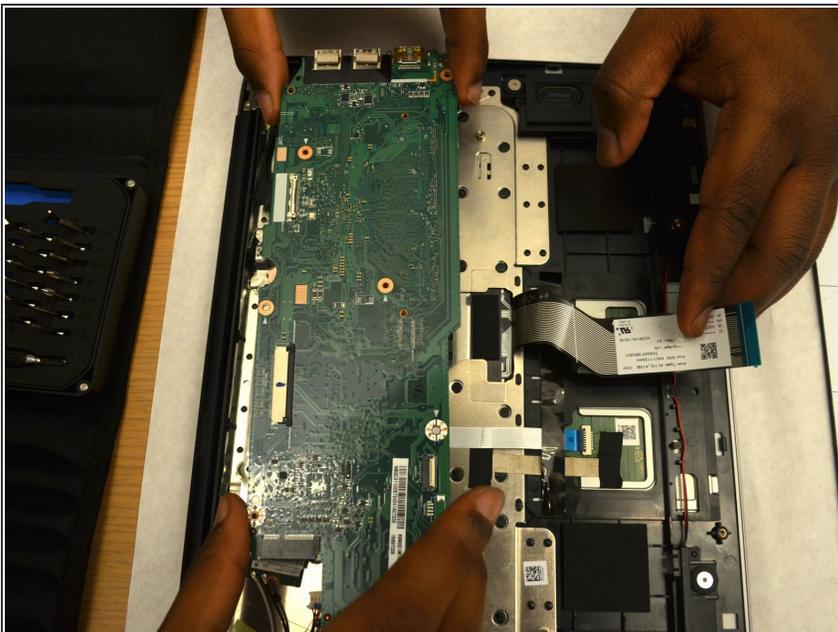
- Remove the electrical tape covering the screw that holds the Wi-Fi card in place.
- Remove the single 4mm JIS #0 screw that holds the Wi-Fi card in place.

## Step 13



- Remove the seven 4mm JIS #0 screws that hold the motherboard in place.

## Step 14



- Gently remove the motherboard.

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