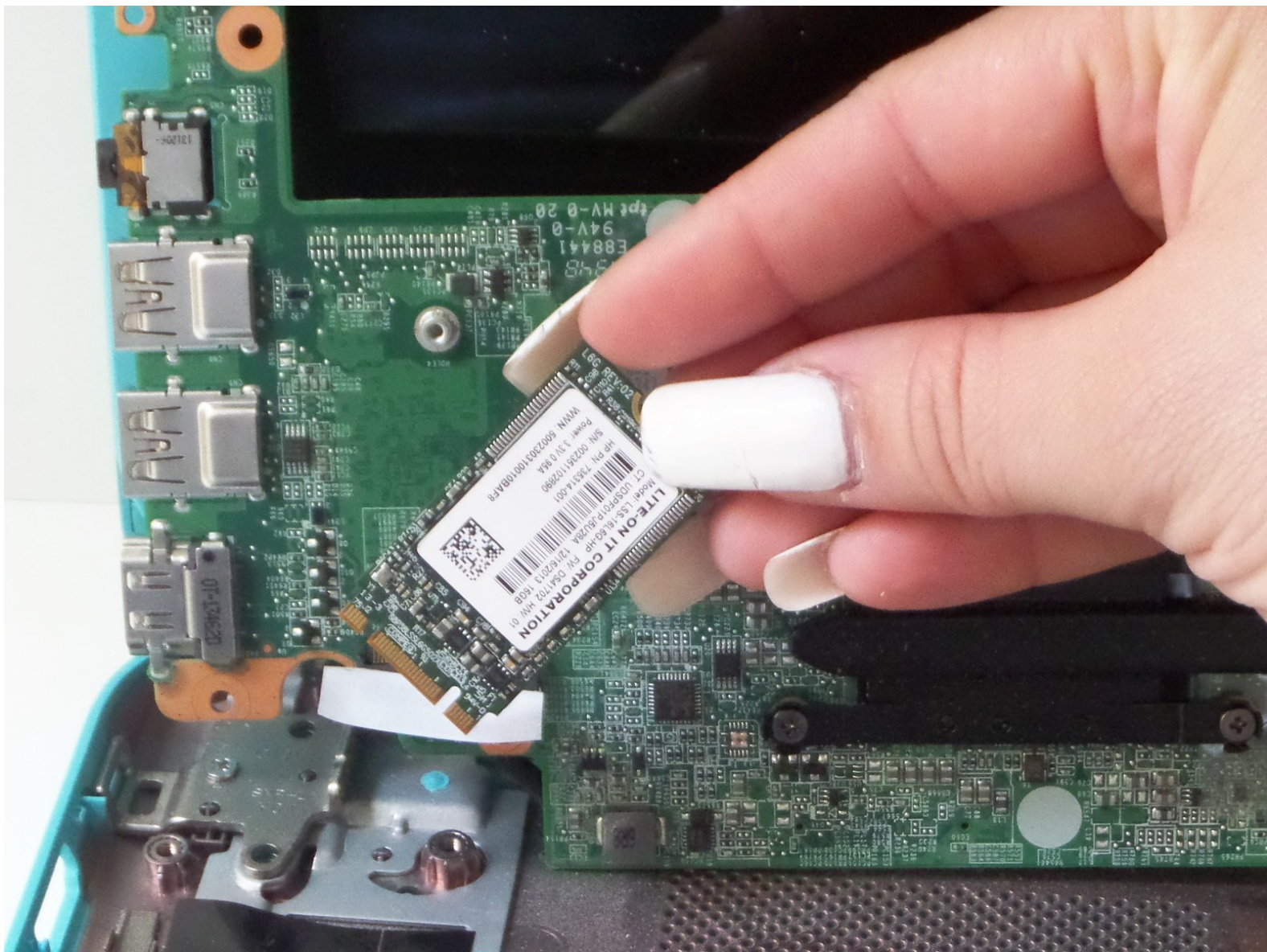# HP Pavilion 14 hard drive

Replacement of the SSD (solid state drive) card, located in the motherboard inside of the HP Pavilion 14-q020nr Chromebook.
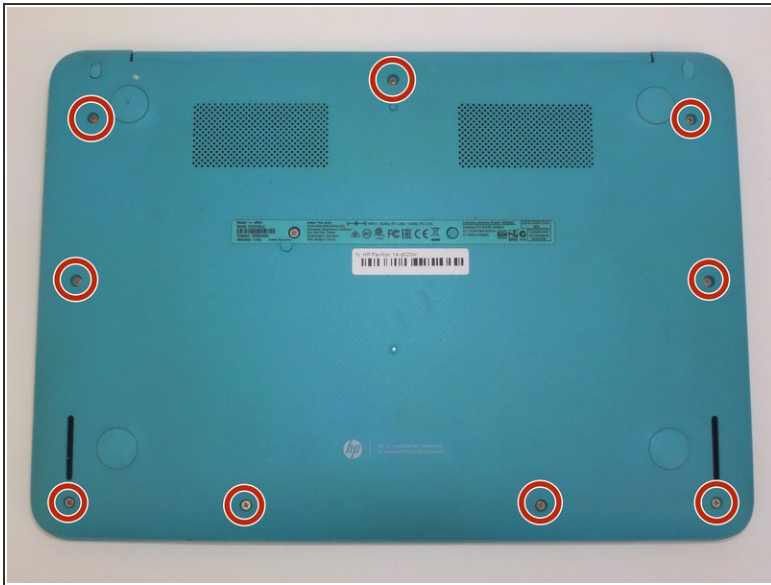
Written By: Danica Dunville

INTRODUCTION

Solid state drives contain no moving parts, unlike a hard drive, and can last for years. One might want to switch from a hard drive to a SSD or purchase a bigger storage SSD. This guide will walk you through replacing the SSD card inside the motherboard.
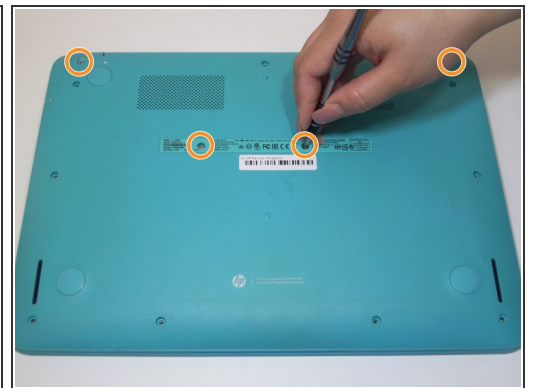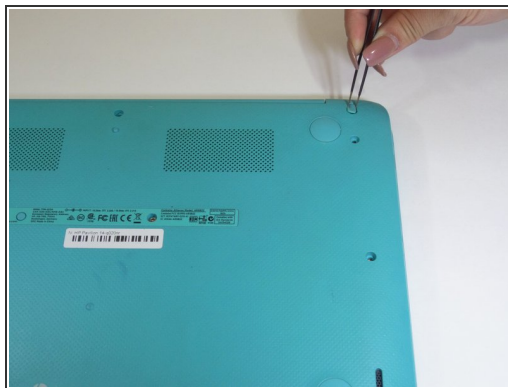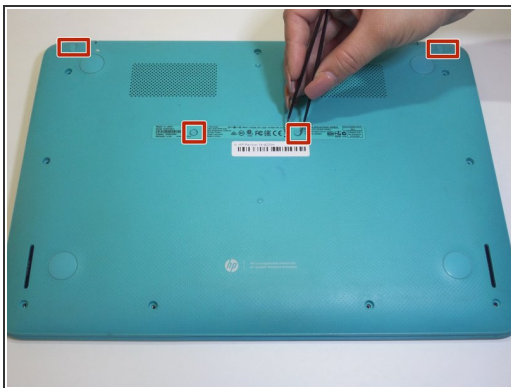
🔧 TOOLS:

- Phillips #1 Screwdriver (1)
- Tweezers (1)
- iFixit Opening Tools (1)
- Spudger (1)

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Step 1 — Keyboard & Touchpad Panel

- Turn the laptop over.

- Remove all nine 3mm screws on back panel with a Phillips Head 1 driver.

Step 2

- Pry off the four rubber bumpers, located at the top corners and center of the back panel, off with a pair of tweezers.

⚠ Bumpers are delicate and can be easily ripped.

- Unscrew the four 3mm screws under the bumpers using a Phillips Head 1 screwdriver.

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Step 3

- Flip the laptop right side up and open the clamshell.

- Starting at the bottom right corner, slide the opening tool into the crevice between the blue and silver panels.

- Carefully pry the top casing up around the edges, moving counterclockwise.

- *(i)* Keep the tool steady throughout, as prying in a rough manner can break the casing.

- *(i)* You will hear audible clicking sounds as the clips connecting the two halves disconnect from each other.

Step 4
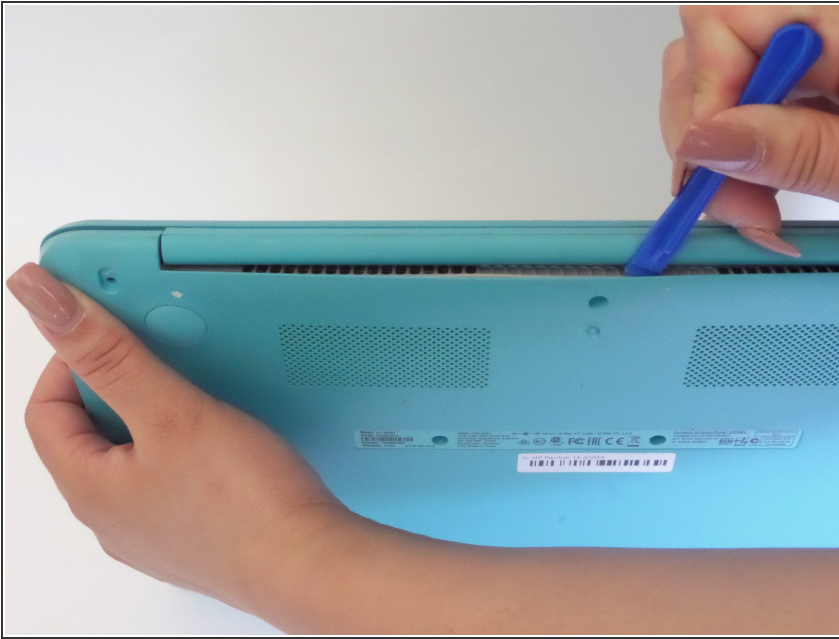
- Close the laptop and orient it on its side (clamshell hinge up), carefully holding it steady to ensure its safety.

- Insert the opening tool inside of the hinge and pry with an even amount of force to disconnect the keyboard panel from the fan grate.

Step 5
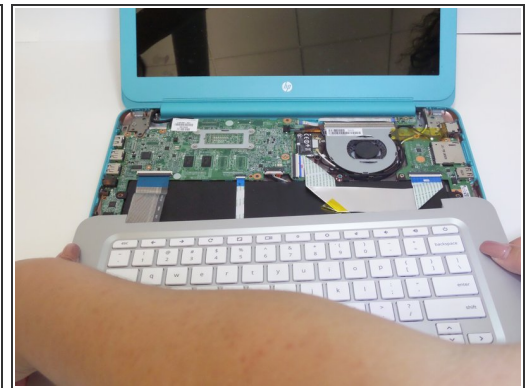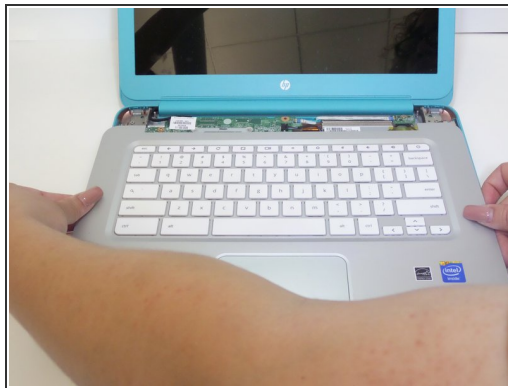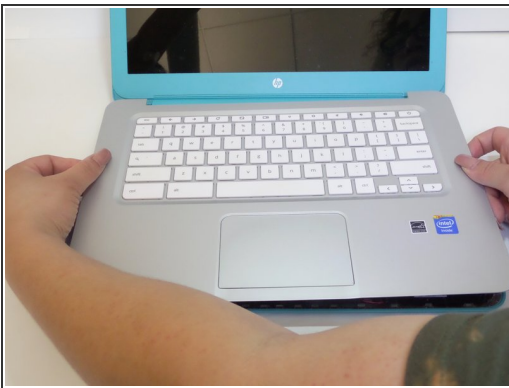
- Reorient the laptop in an upright fashion and open the clamshell.

- If needed, continue to pry the silver keyboard panel from the rest of the hardware with minimal force.

- Slowly slide the silver keyboard panel towards you while lifting gently to separate the halves.

- ⚠ The panel is still connected by a series of delicate connectors glued to the mainframe, so do not pull the panel right off.

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Step 6
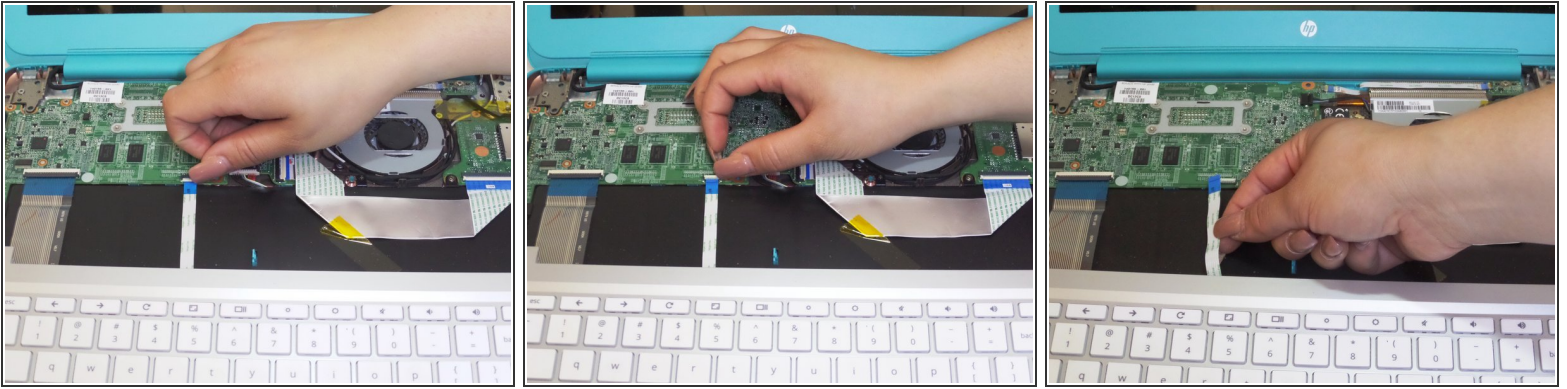
- While keeping silver keyboard panel hovering above the laptop, locate the touchpad connector ribbon attached to both the silver panel and motherboard.

- With your finger, flip up the white clasp that holds the connector, releasing the connector ribbon.

- Unpeel the connector ribbon from its position on the motherboard.
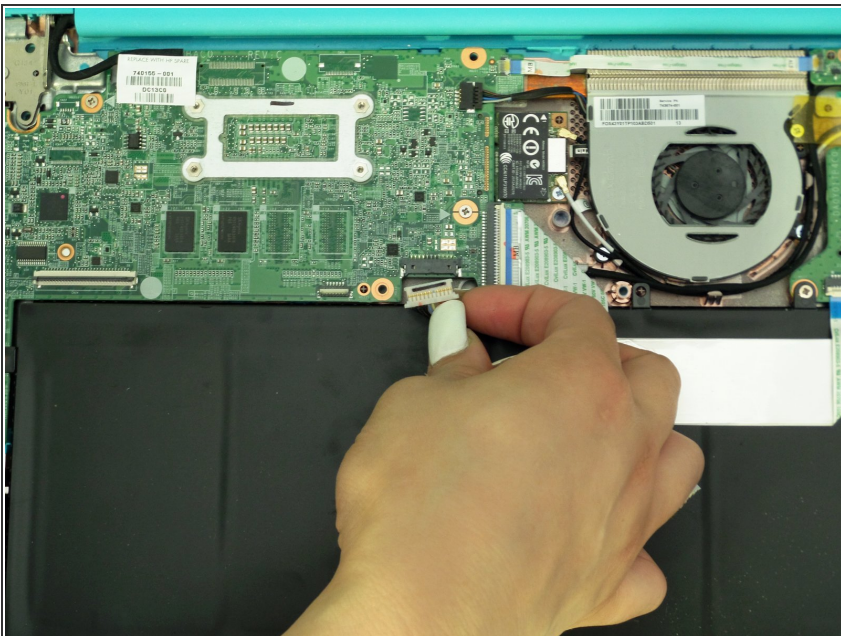
Step 7
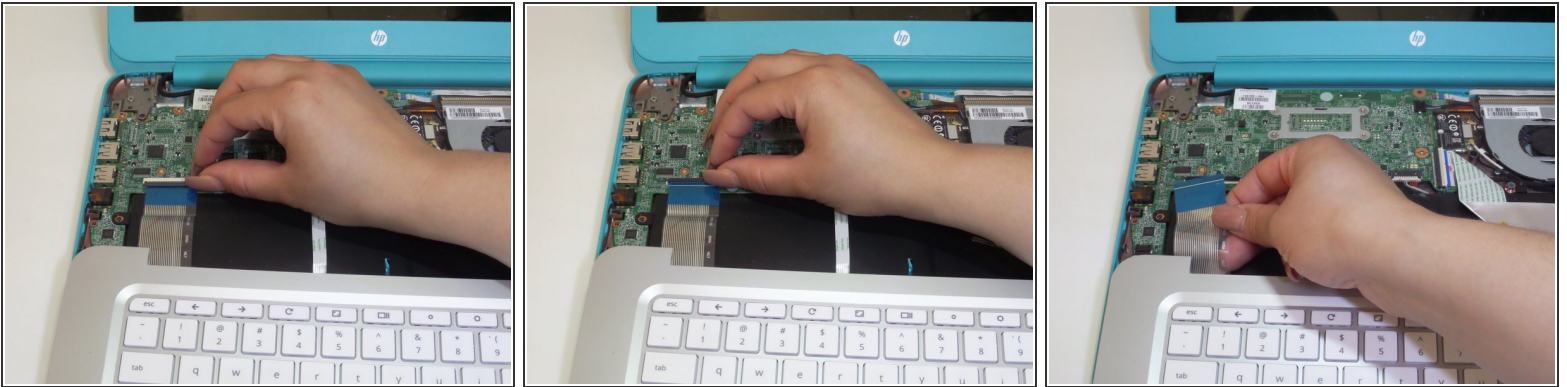
- With your finger, flip up the white clasp that connects the larger keyboard connector to the motherboard, releasing the connector ribbon.

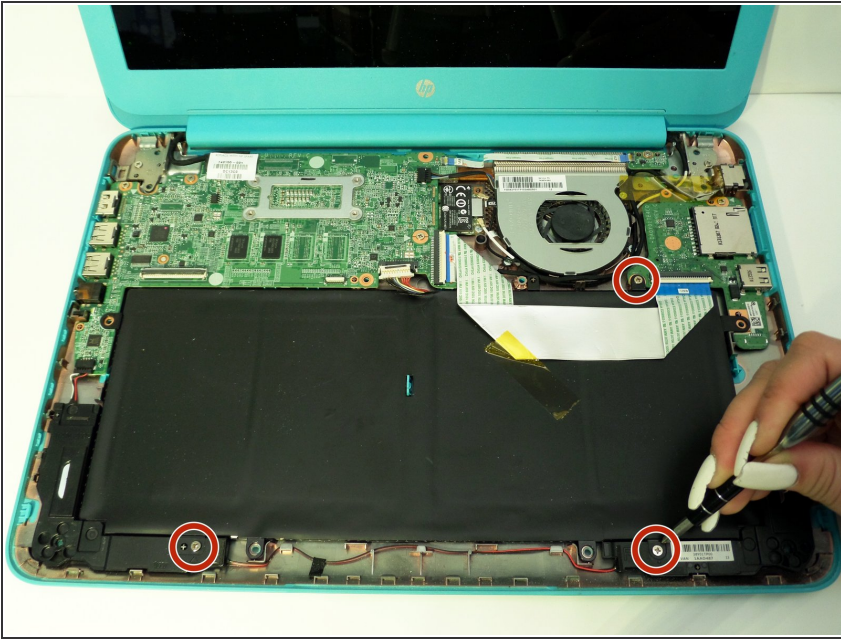- Gently pull the connector ribbon from the clasp.

Step 8

- Lift the keyboard panel up and away from the CPU, completely revealing the mainframe.

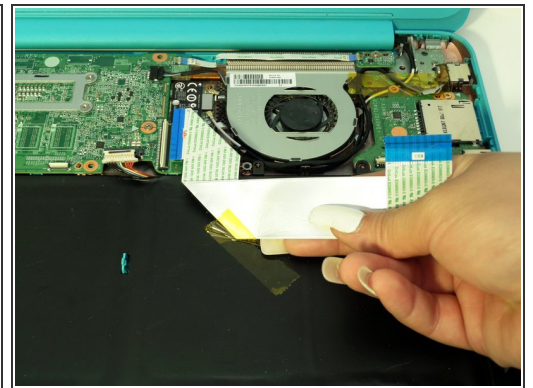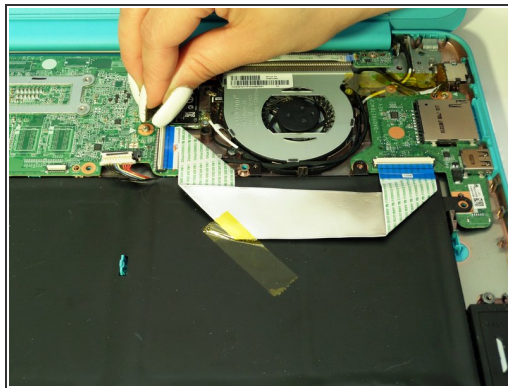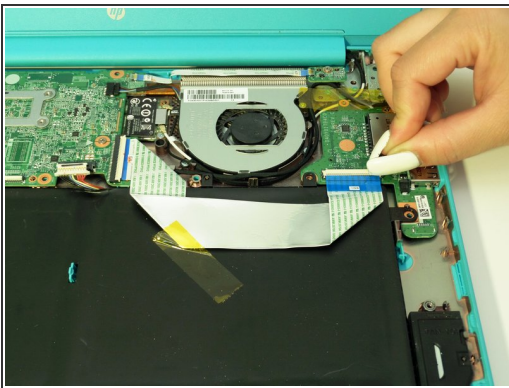## Step 9 — Battery and Speakers

- With the internal hardware exposed, disconnect the battery cable from the motherboard.

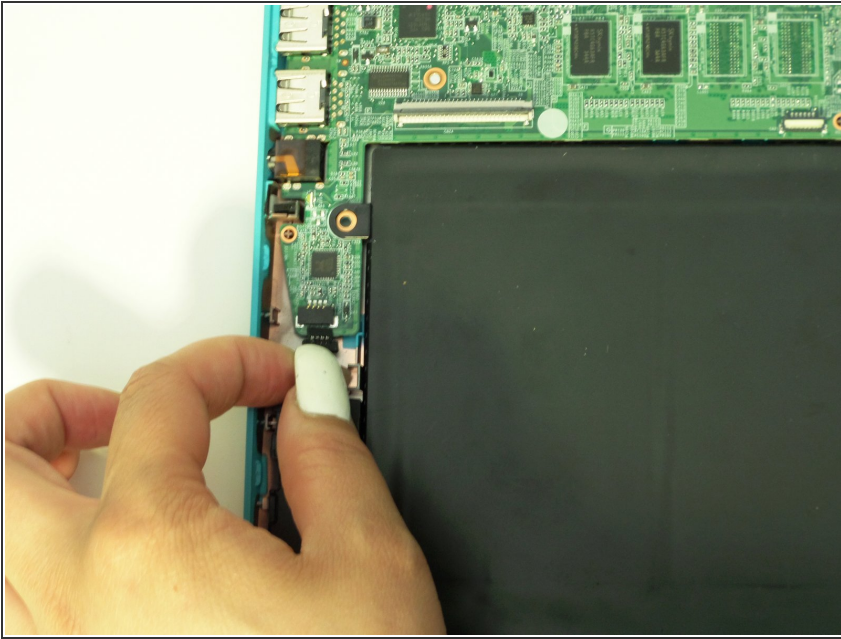- If tightly fastened, gently wiggle the plug out of the jack.

Step 10

- Remove the three 4mm screws around the perimeter of the battery pack with a Phillips Head 1 screwdriver.
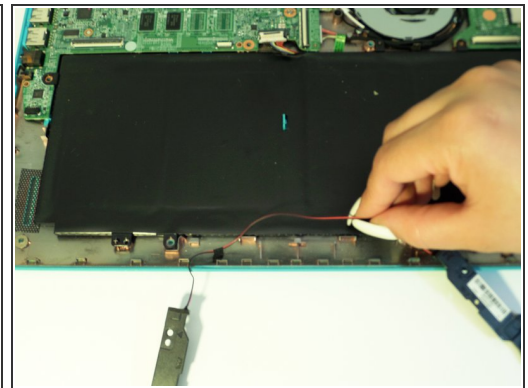
Step 11

- Flip up the two white clasps that hold the connector ribbon to the battery to release the ribbon.

- Remove the 'motherboard to USB board' connector ribbon from its place.

|

Step 12

- Detach the speaker cable from its fastener on the motherboard by pulling it out with your fingers or using a spudger.
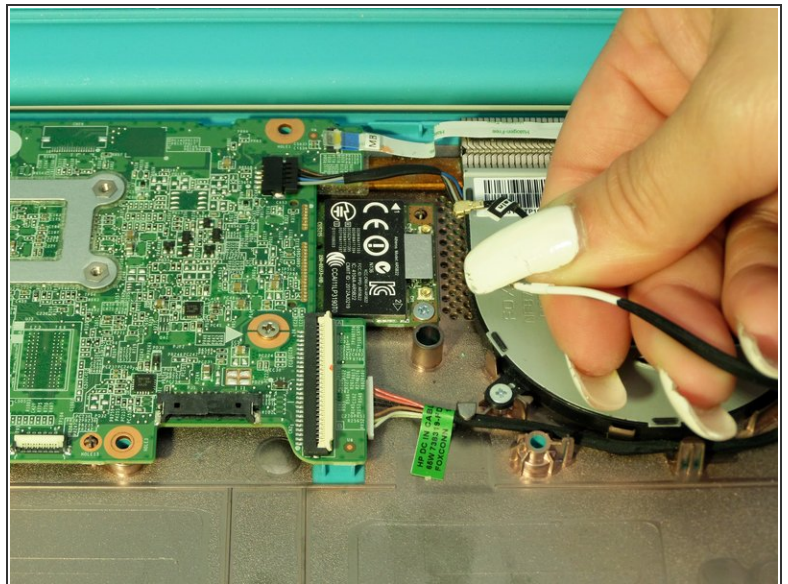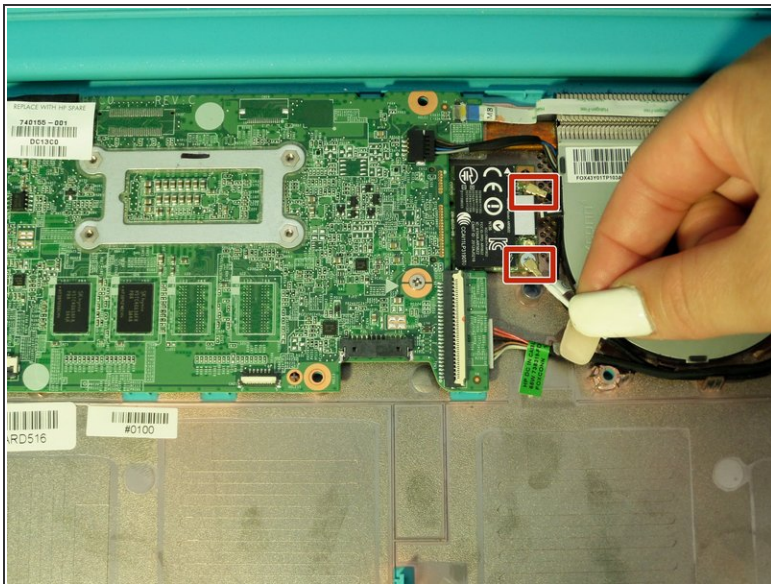
Step 13

- Using your fingers, gently pry out the two L-shaped speaker panels from between the external casing and battery pack.

⚠️ Be sure to apply an evenly distributed upwards force on the speaker when lifting it out

ⓘ Both speaker components (located adjacent to each other) will remain connected by a red cable after removal
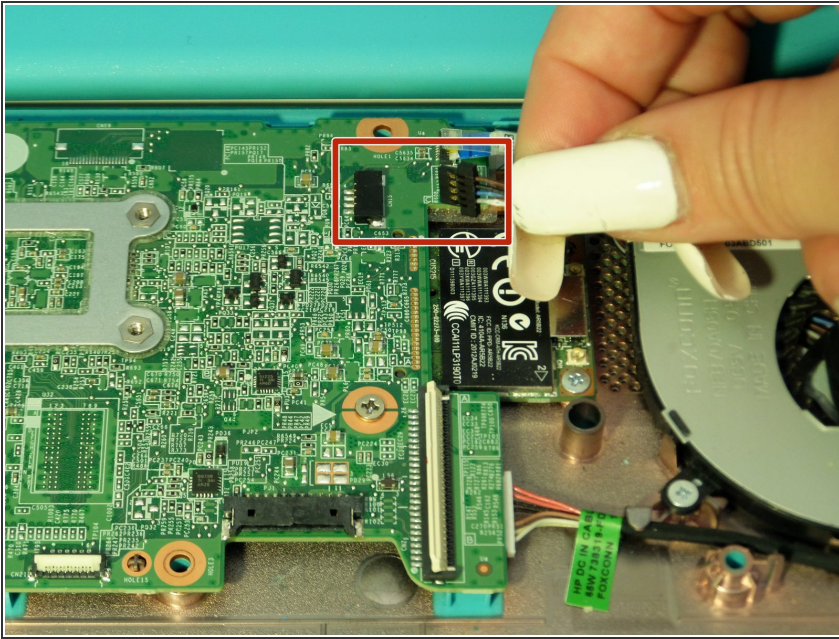
Step 14

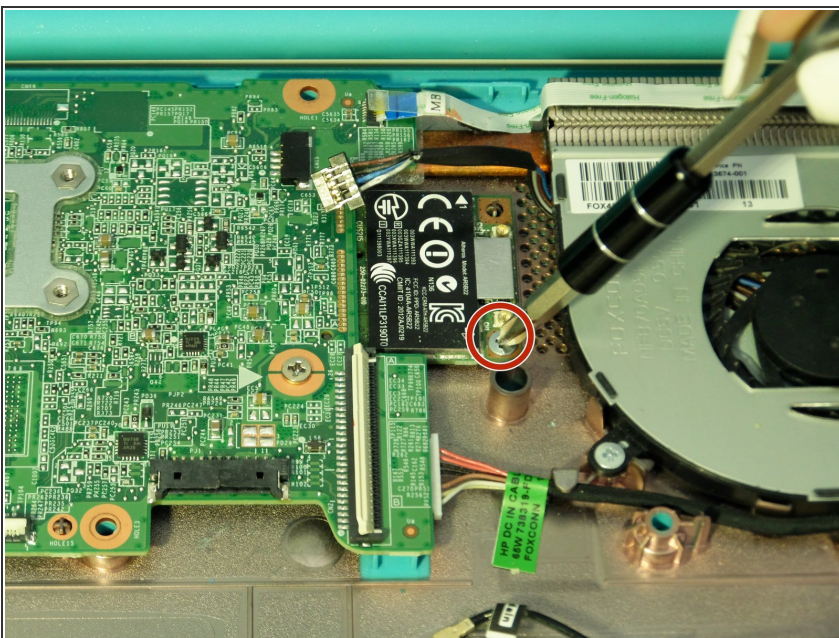- Lift out battery pack.

Step 15 — Motherboard

- Remove the two Wi-Fi antenna cables that are attached to the Wi-Fi card by pulling them up.

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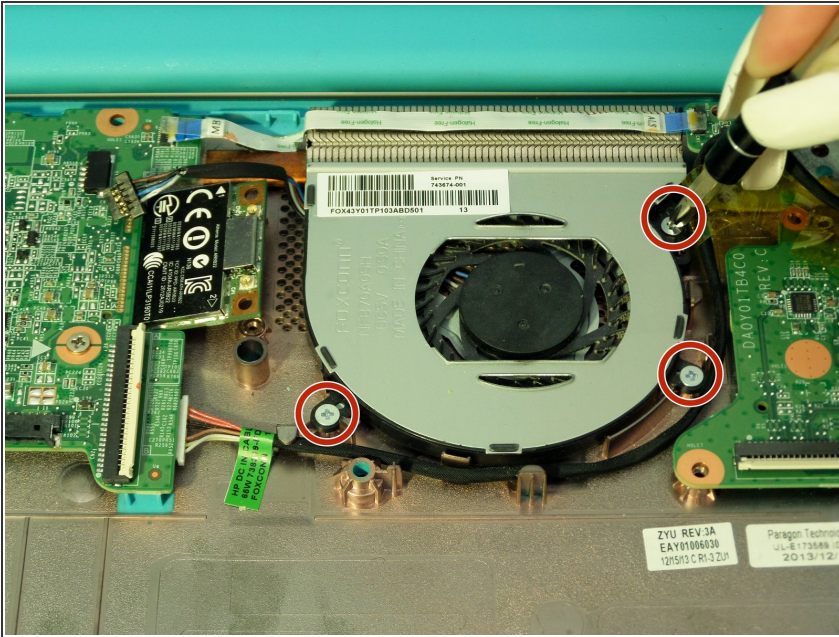
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Step 16

- Using your fingers, pull the cooling fan cable from its fastener on the motherboard

Step 17

- Remove the 3mm screw that holds down the Wifi mini-PCI card using a Phillips Head 1 driver.

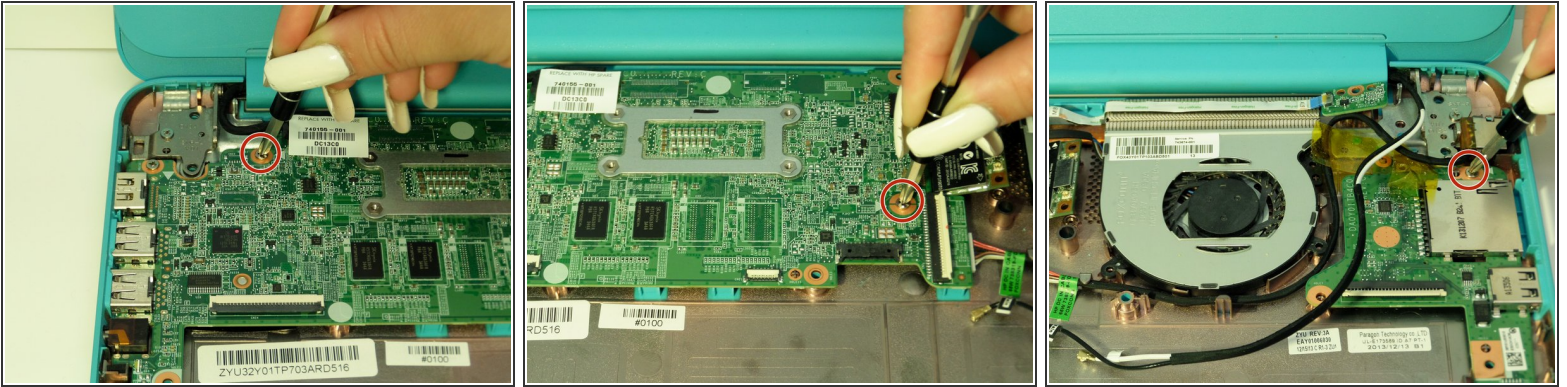This document was generated on 2020-11-28 06:08:16 AM (MST).

Step 18

● Remove the three 3mm screws that hold the cooling fan in place using a Phillips Head 1 driver.

Step 19
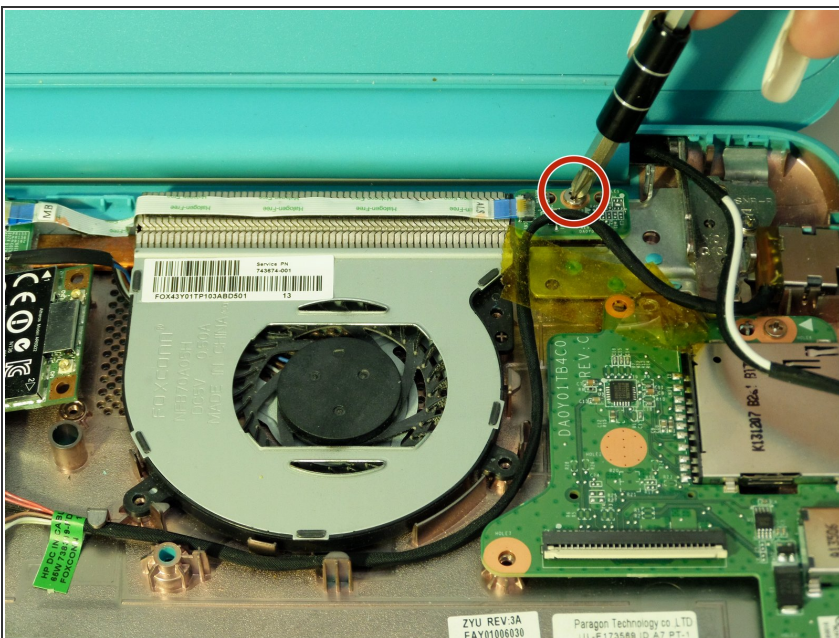
● In the upper right hand corner of the device, remove the 6mm screw holding the PCB board in place by using a Phillips Head 1.

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Step 20

- Remove the three 3mm screws from the surface of the motherboard using a Phillips Head 1.
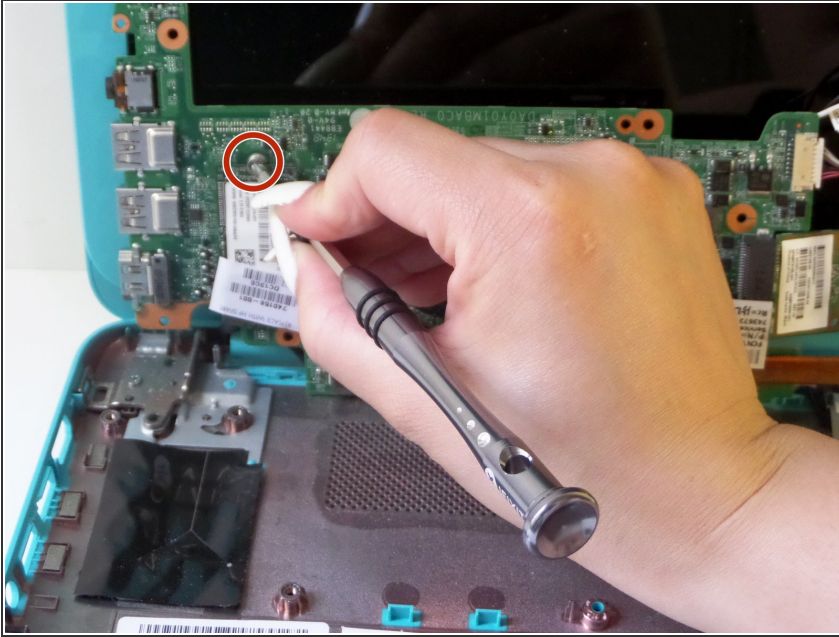
Step 21
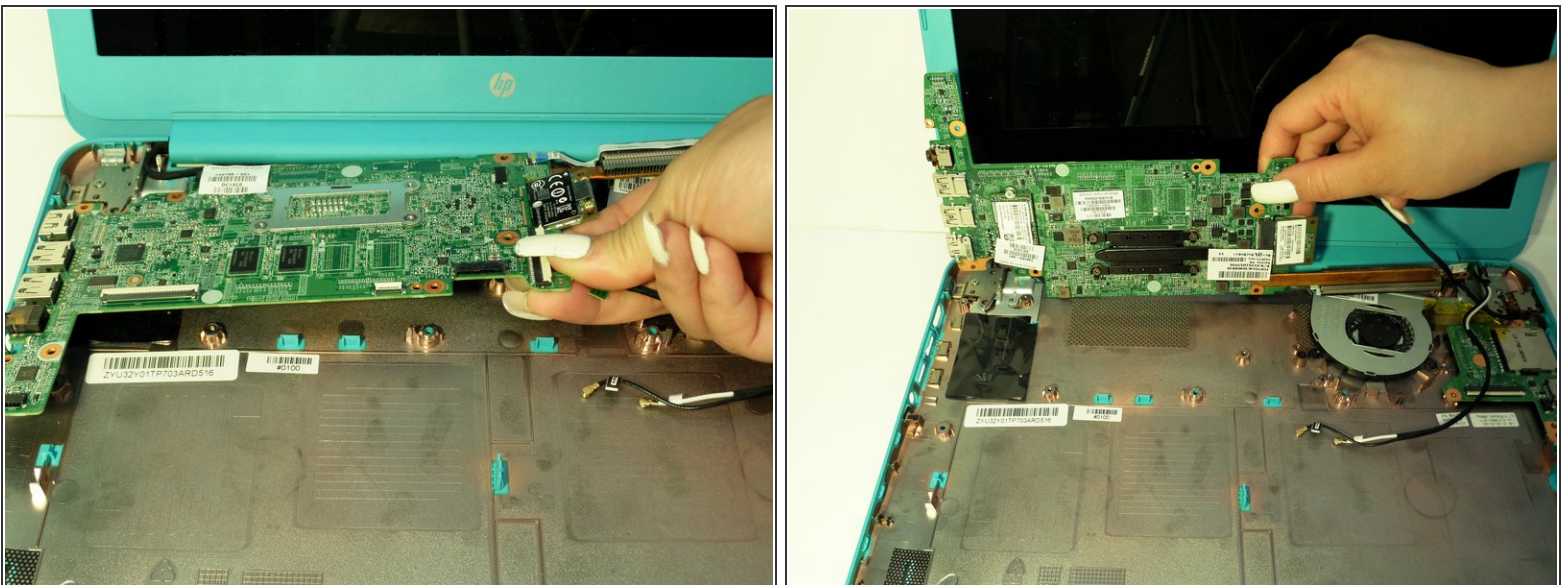
- Carefully lift the motherboard up towards the screen as if it was hinged on one side.
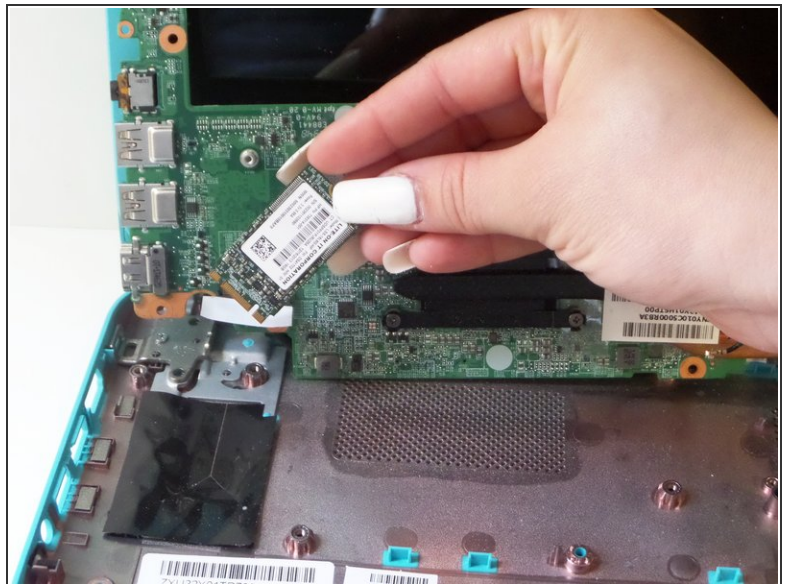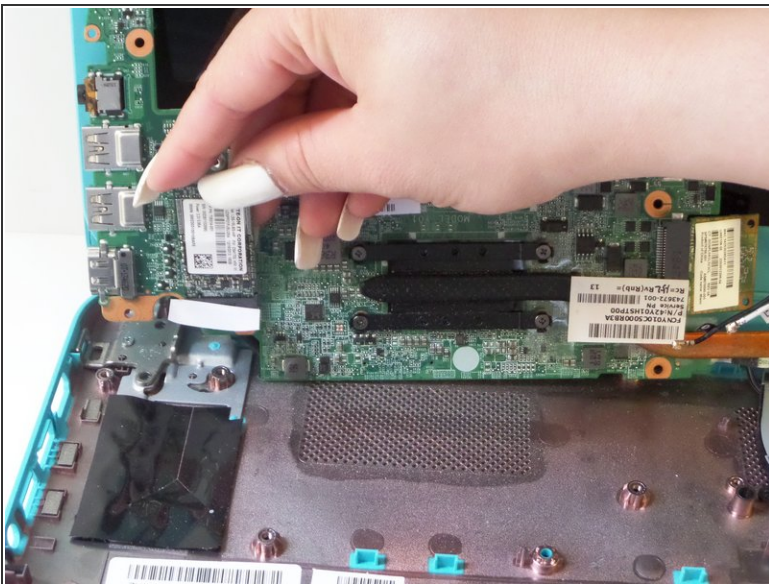
⚠ To prevent possible scratching, cover the screen with a cloth.

Step 22 — HP Pavilion 14 hard drive

- Remove the 3mm screw located directly above the NGFF SSD card using a Phillips Head 1 driver.

Step 23

- Pull the SSD card up and out using your fingers.

⚠️ Do not use tweezers or any other metal tool to extract the card, as it is fragile.

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

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