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HP Envy x360 15-u473cl Motherboard Replacement

Replace the motherboard of your HP Envy x360 15-u473cl.

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INTRODUCTION

The motherboard can wear out over time. This guide will show you how to replace the motherboard.

TOOLS:
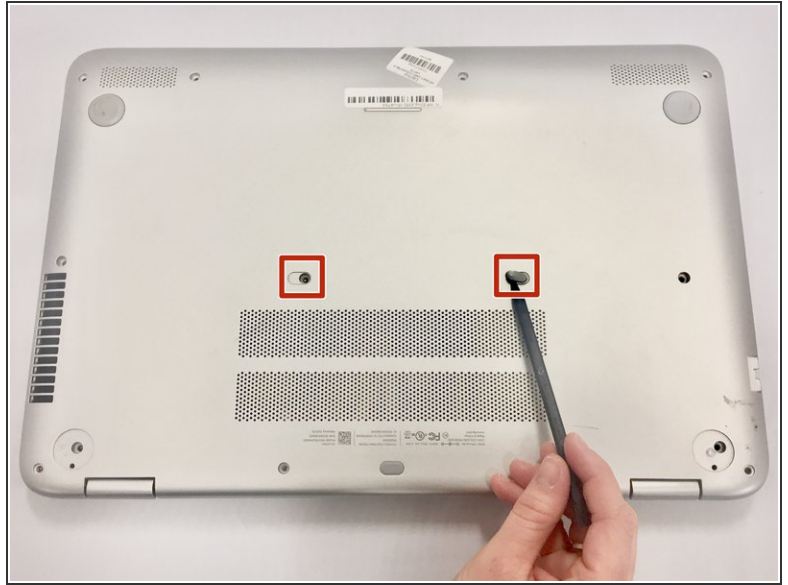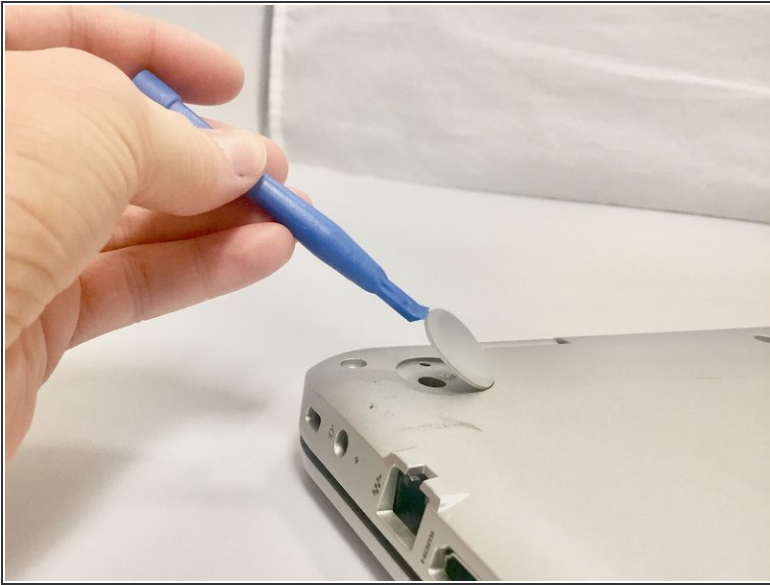
- Spudger (1)
- iFixit Opening Tools (1)
- Phillips #0 Screwdriver (1)
- Phillips #00 Screwdriver (1)

PARTS:

- HP ENVY TouchSmart (m7-j020dx) Motherboard (1)

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Step 1 — Battery
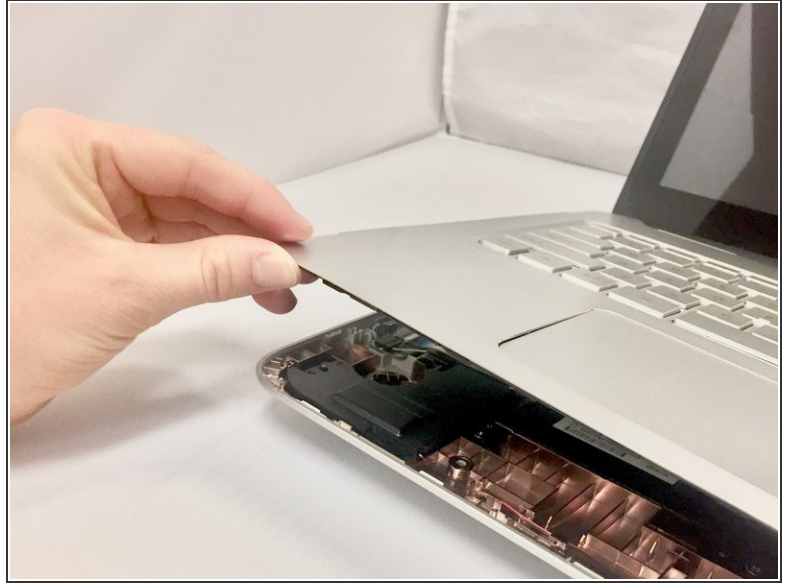

ⓘ Power off your laptop before beginning disassembly.

● Pry off the 2 rear rubber pads (closest to the laptop hinge) using the plastic opening tool to reveal two screws.

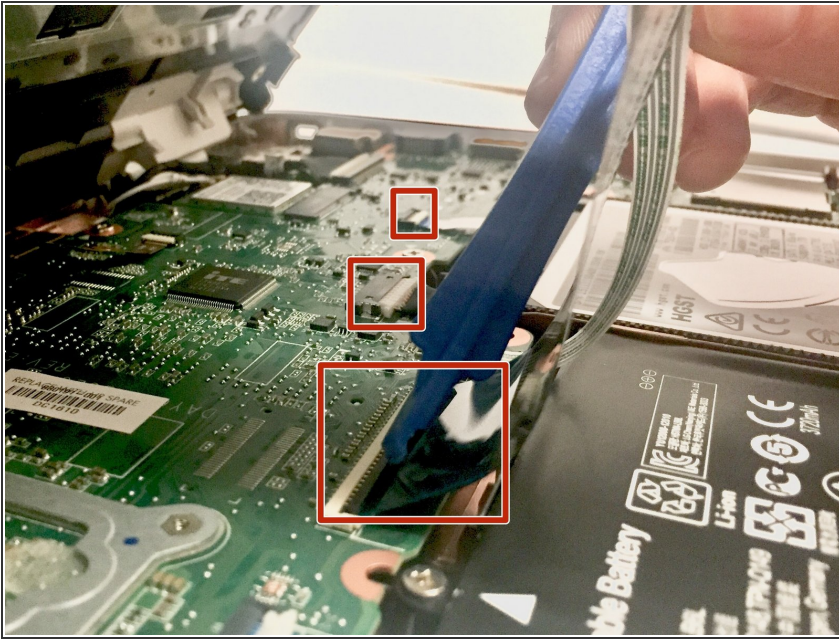● Remove the 2 anti-tamper proof covers using the spudger to reveal two screws.

Step 2

● Remove the fourteen 7mm screws using the Phillips #0 screwdriver from the bottom of the laptop.
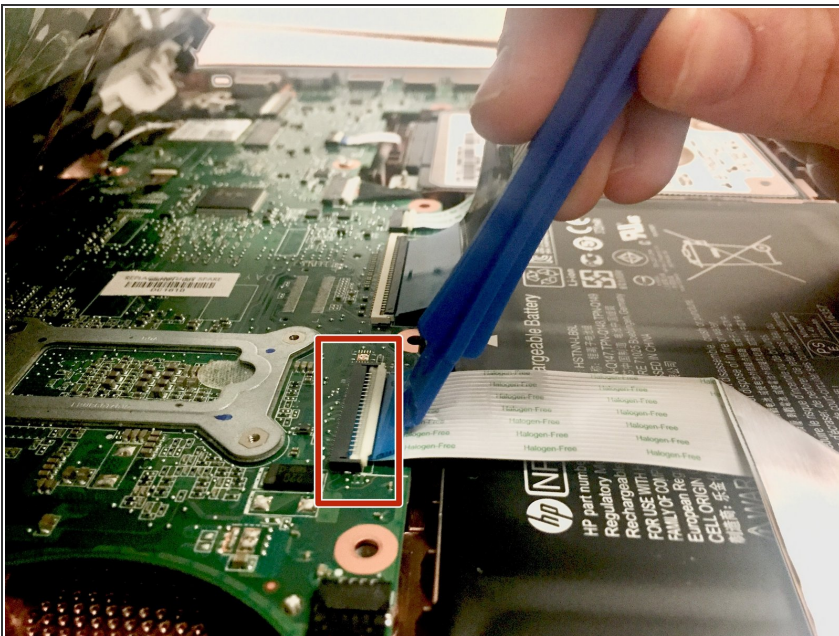
Step 3

- Turn the device right side up and open the lid.

- Insert the plastic opening tool in between the keyboard plate and the base of laptop.

- Run the tool along seem, prying up as you go.

- Separate the keyboard plate from the base, lifting from the front.

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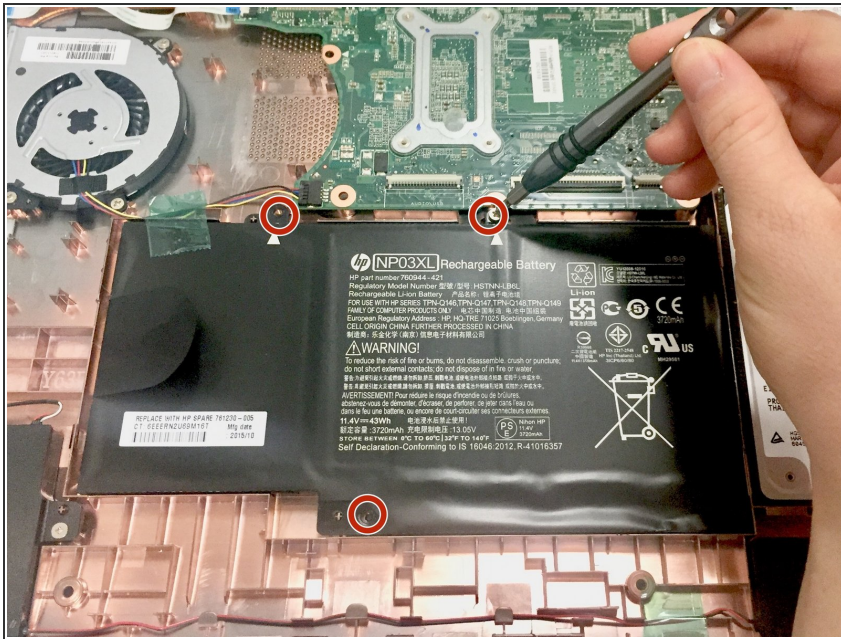© iFixit — CC BY-NC-SAwww.iFixit.comPage 4 of 9

Step 4

- There are 3 ribbon cables (black, white, and copper color) connecting the computer to the keyboard plate. Disconnect the 3 ribbon cables using the plastic opening tool by prying up the latches holding each cable in place.
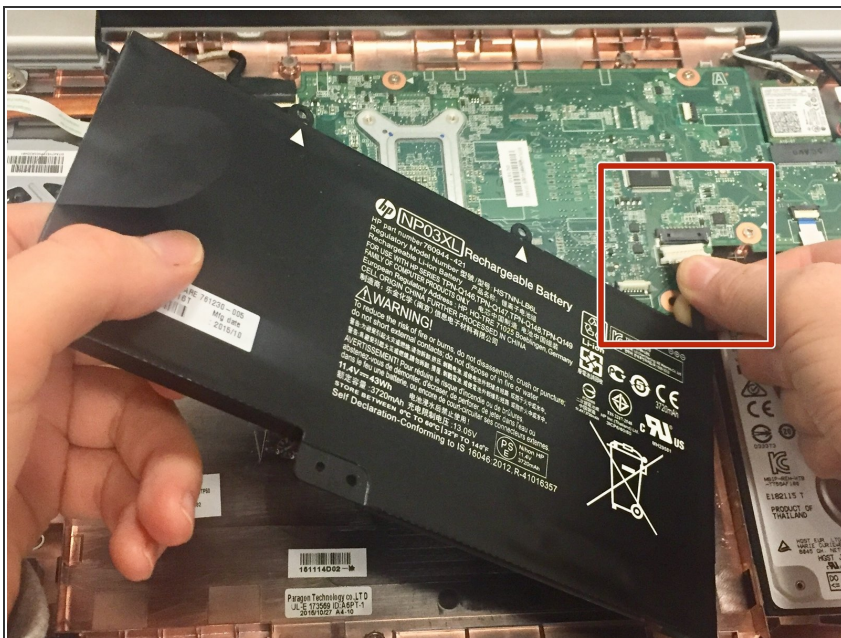
- Remove the keyboard plate from the device.

Step 5

- Remove the thick white ribbon cable covering the battery using the plastic opening tool by prying up the latches attaching each end.

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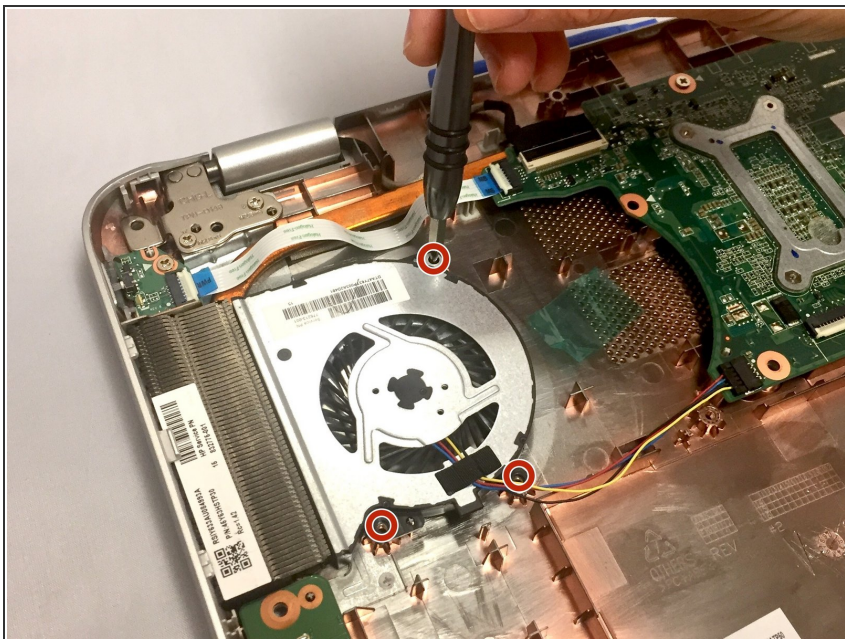
Step 6

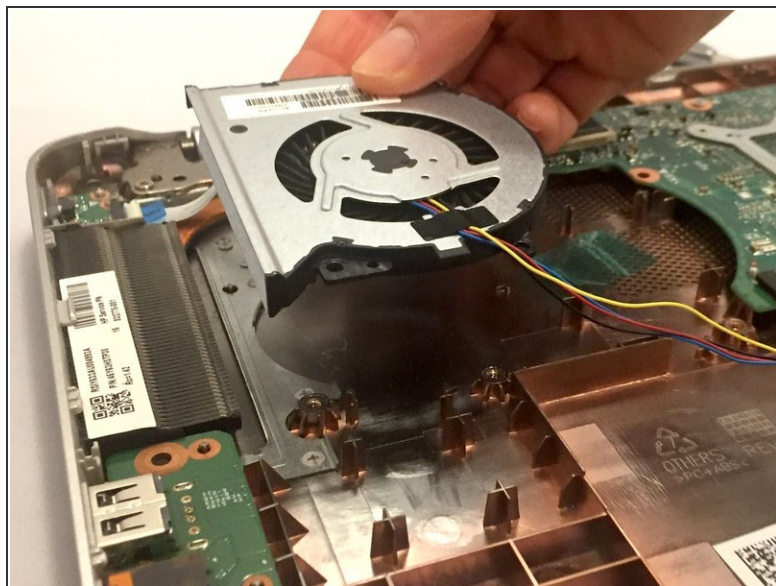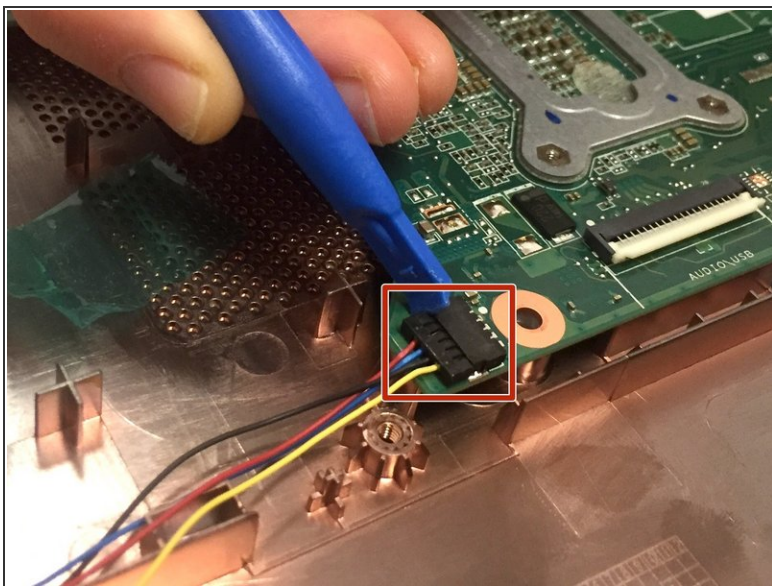- Remove the three 4mm screws using the Phillips #0 screwdriver.

Step 7

- Disconnect the battery from the motherboard.

- There may be tamper-proof tape holding the battery in place. Remove the tape if present.
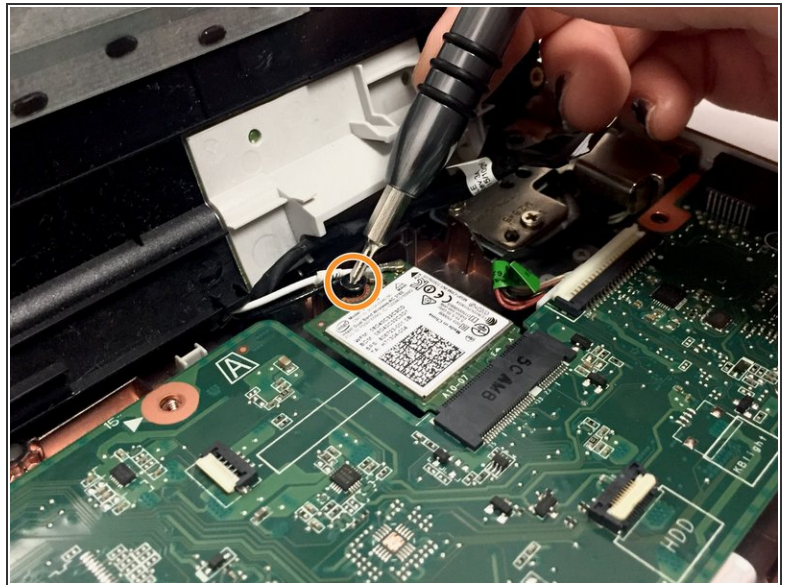
- Remove the battery from the device.
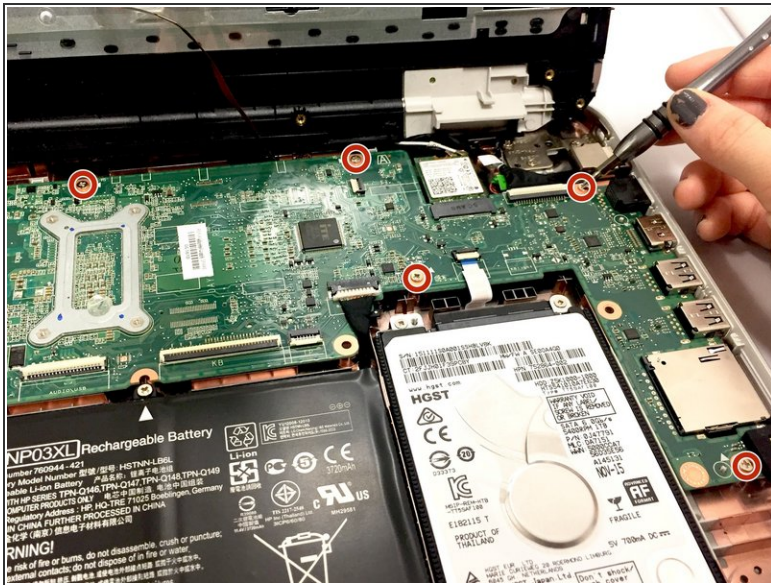
Step 8 — Fan

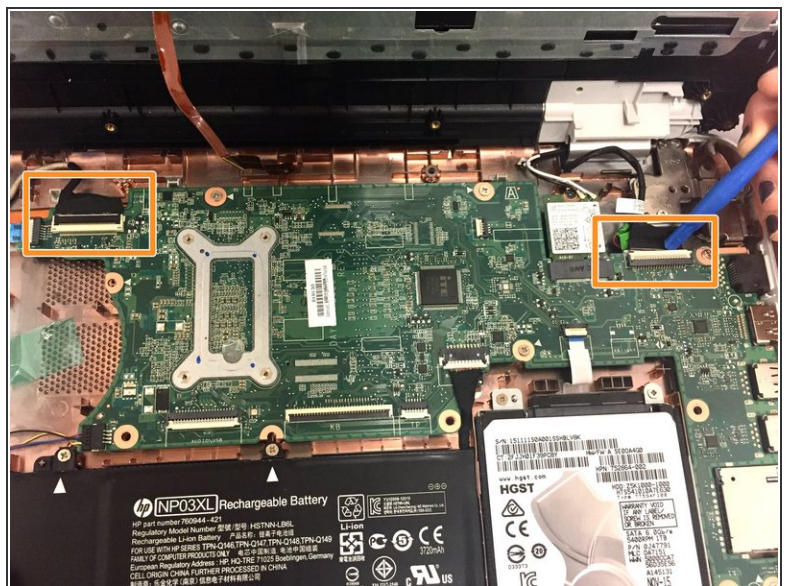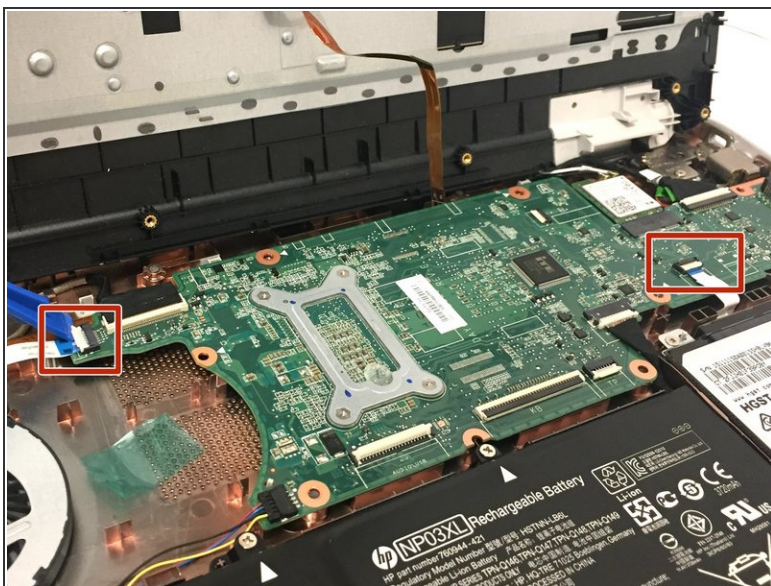- Remove the three 4mm screws using the Phillips #0 screwdriver from the device fan.

Step 9

- Disconnect the fan from the motherboard using the spudger.

- Remove the fan from the device.

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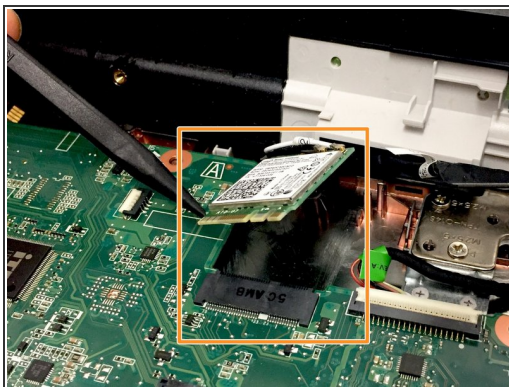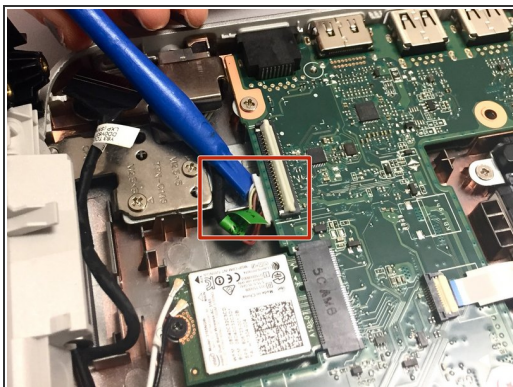
Step 10 — Motherboard

- Remove the five 4mm screws with the Phillips #0 screwdriver.

- Remove one 3mm screw with the Phillips #00 screwdriver.

Step 11

- Disconnect the 2 white ribbon cables using the plastic opening tool.

- Disconnect the two black cable bundles using the plastic opening tool.

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Step 12

- Disconnect the charging port wire bundle from the motherboard using the plastic opening tool.

- Disconnect the wireless card by pulling away from the black transistor using the spudger.

- Remove the motherboard.

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