Toshiba Satellite Radius P55W-B5220 Motherboard Replacement

This guide shows how to replace the motherboard in the Toshiba Satellite Radius P55W-B5220.

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INTRODUCTION

The motherboard of your device acts as a meeting point for crucial components, such as the CPU and input and output devices. To replace a damaged or defective motherboard, you will remove all connected peripherals, replace the motherboard, and reconnect all peripherals.

TOOLS:

- Spudger (1)
- Phillips #0 Screwdriver (1)

PARTS:

- Toshiba Satellite Radius P55W-B5220 Motherboard (1)

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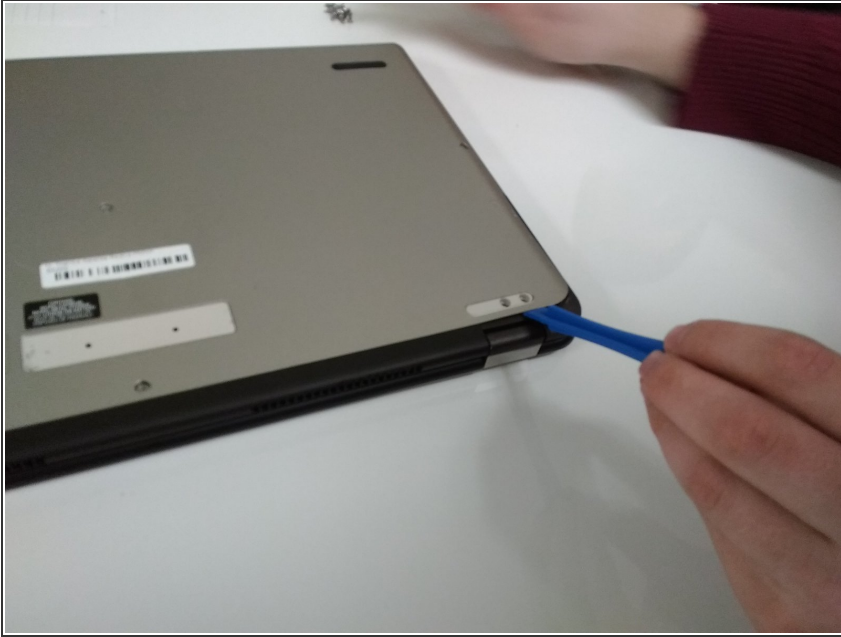
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Step 1 — Motherboard

- Using the plastic opening tool, remove the two rubber feet closest to the hinge.

Step 2

- Remove the 12 M2x4mm PH0 Philips screws.
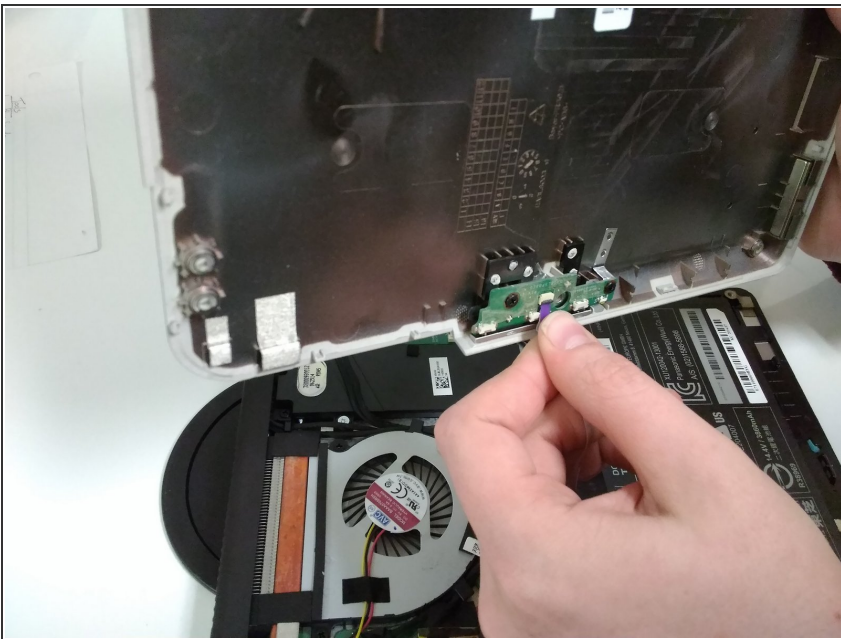
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Step 3

- Near the hinges, wedge a plastic opening tool under the back panel.

Step 4

- Unlatch the LED indicator from the back panel.

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Step 5

- Using a P0 Philips head screwdriver, Remove the four M2x2.5mm P0 Philips screws from the battery.
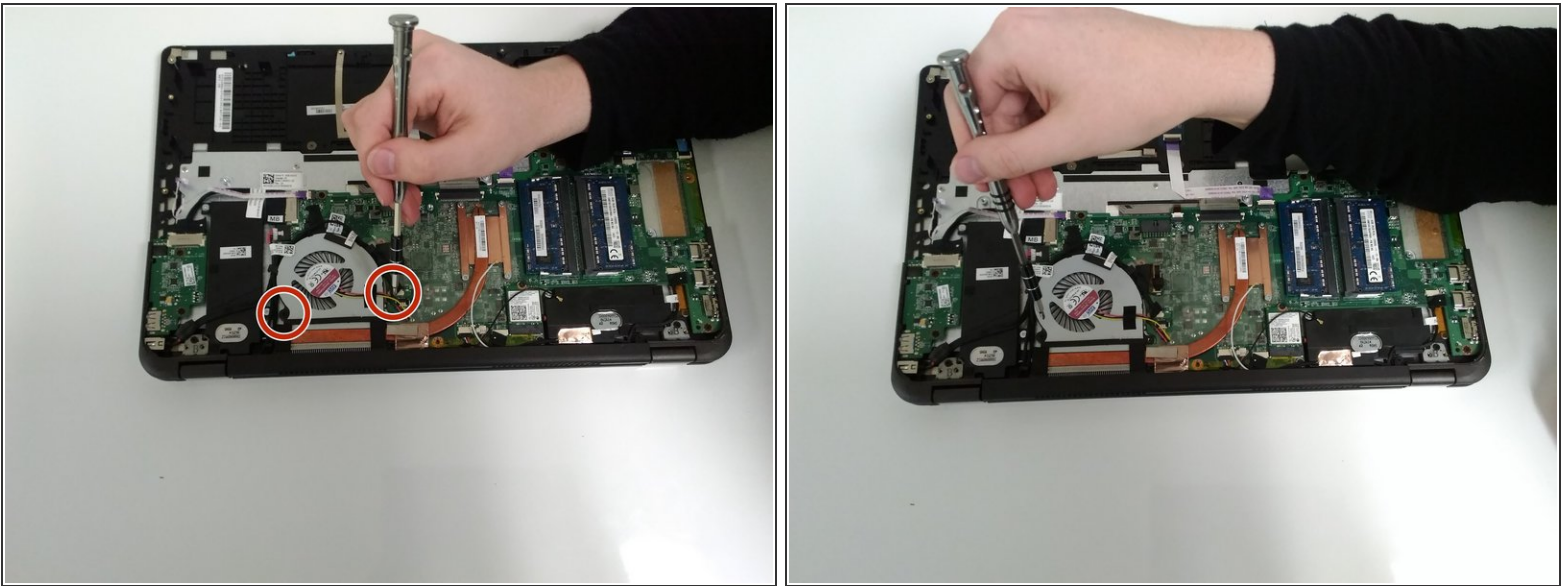
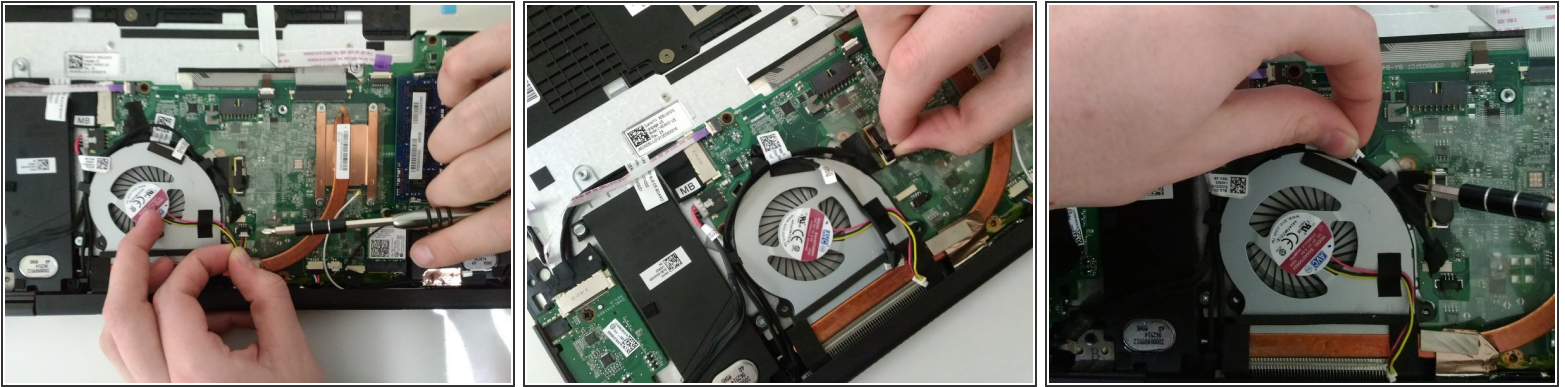## Step 6
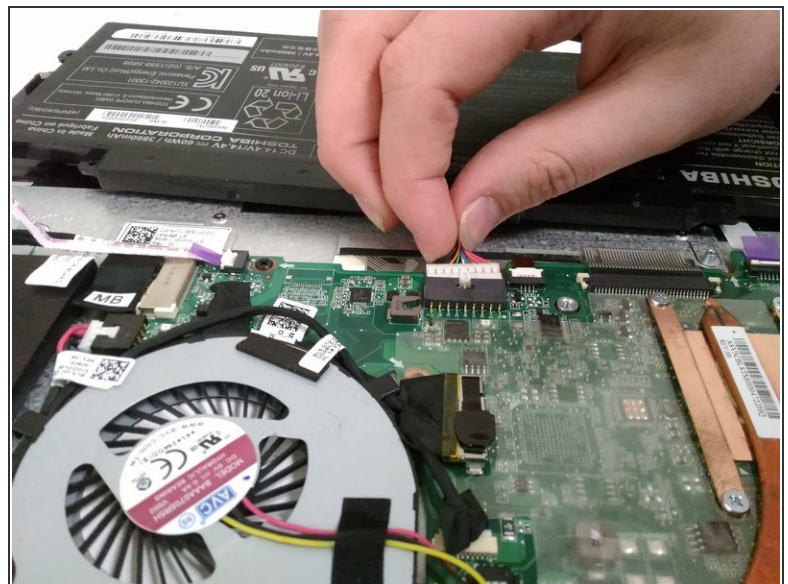
- Lift the battery.

- Disconnect the battery.

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Step 7

- Disconnect the ribbon cable of the touchpad from the motherboard.

Step 8

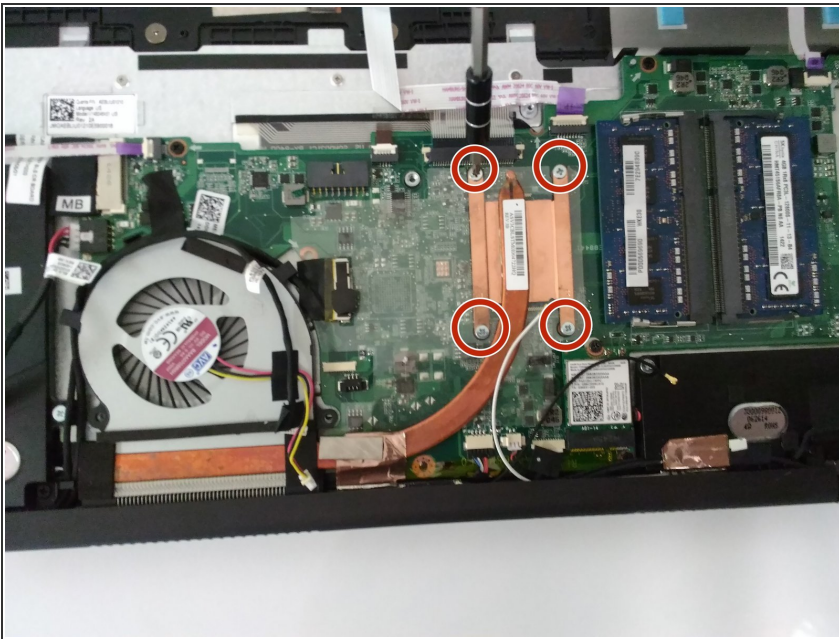

- Remove the two M2x2.5mm P0 Philips screws from the fan.

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Step 9

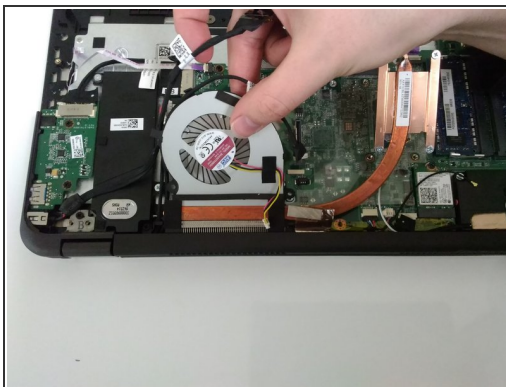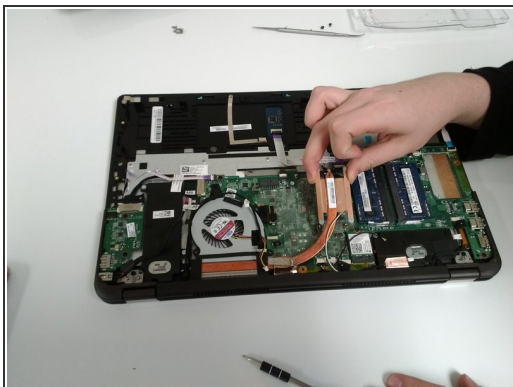- Disconnect the fan cables.

⚠️ **Carefully unhook the wires from the base of the fan.**

Step 10

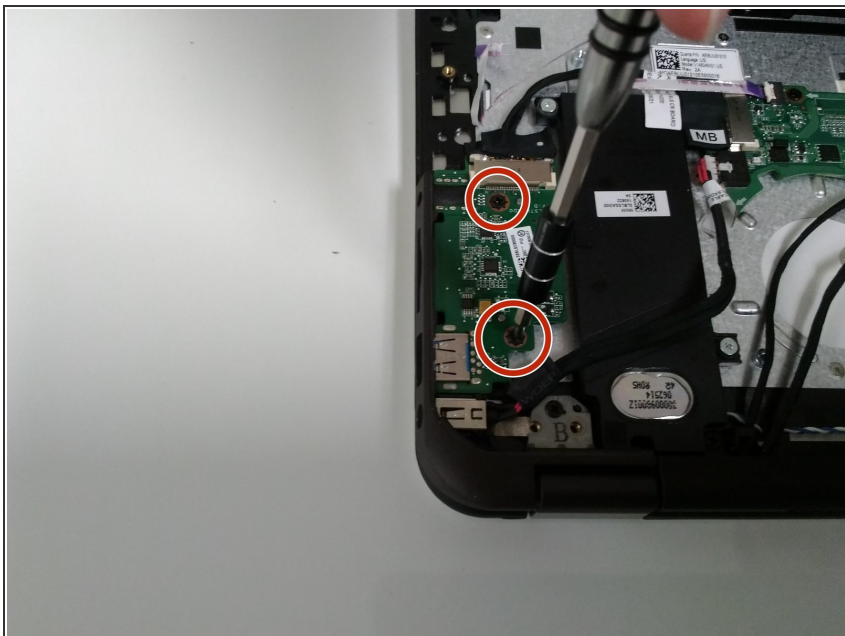- Unscrew the four M2x4mm PH0 Philips screws from the CPU mounts on the motherboard.

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Step 11

- Carefully lift the heatsink off the CPU.
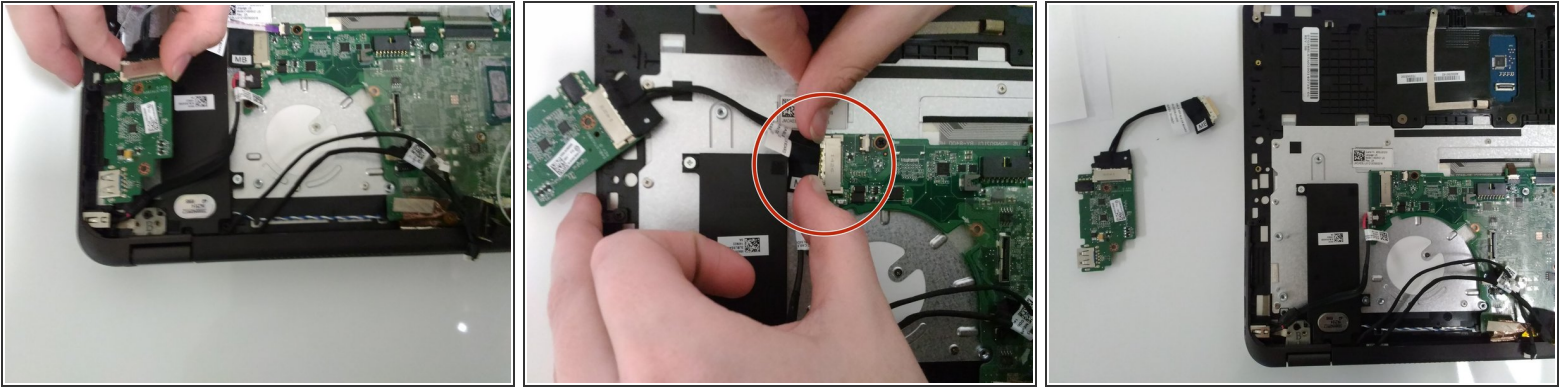
⚠️ **Avoid bending or kinking the tubing.**
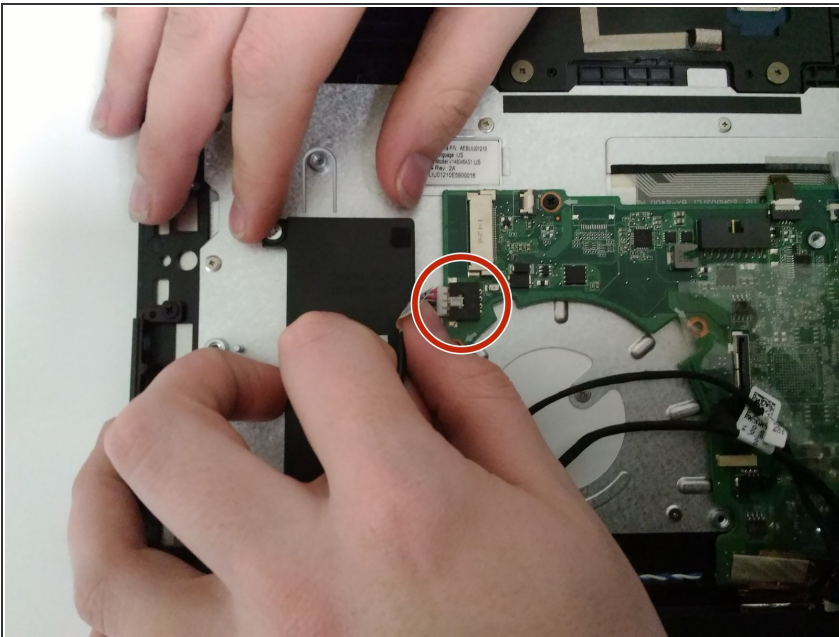
⚠️ **Delicately lift the fan out with the heatsink.**

Step 12

- Remove the M2x2.5mm P0 Philips screw from the USB controller.

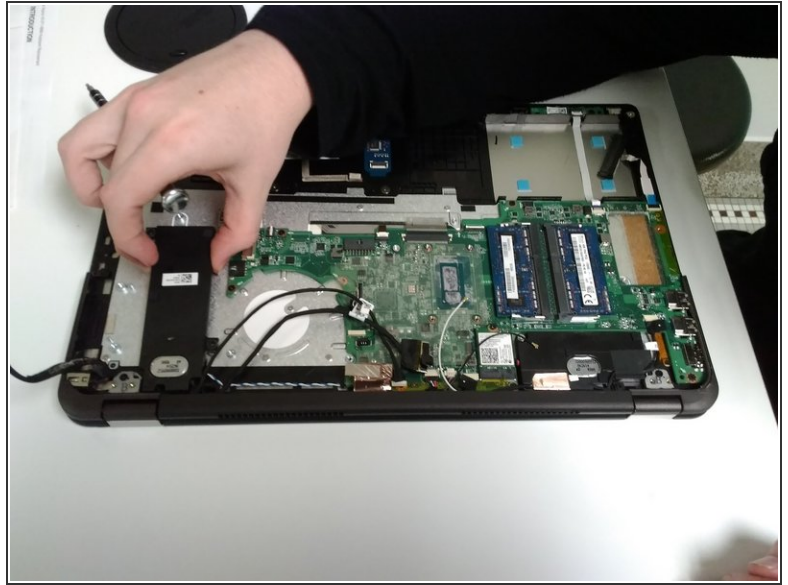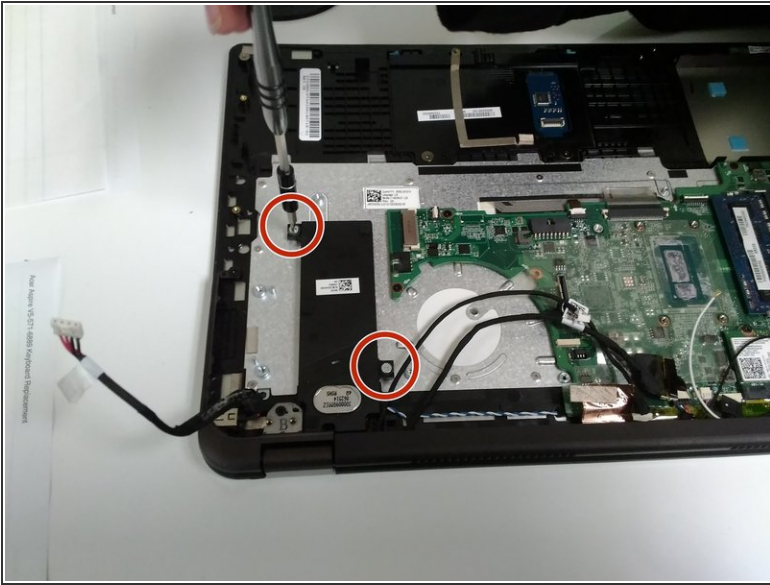This document was generated on 2019-10-19 08:03:08 AM (MST).

Step 13

- Lift the USB controller from the motherboard.

- Detach the USB controller from the motherboard.

Step 14
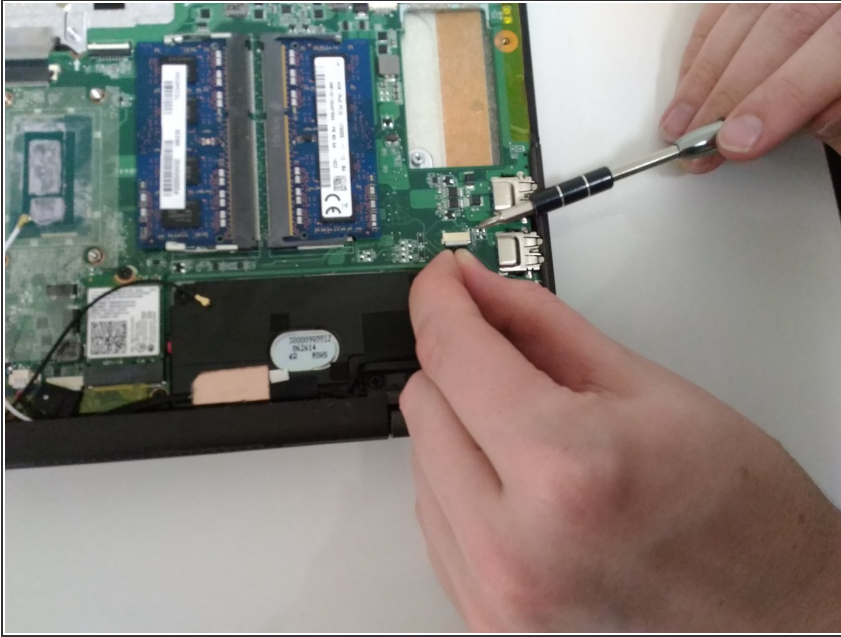

- Disconnect the left speaker from the motherboard.

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Step 15

- Remove the two M2x4mm PH0 Philips screws for the speaker mounts.

Step 16

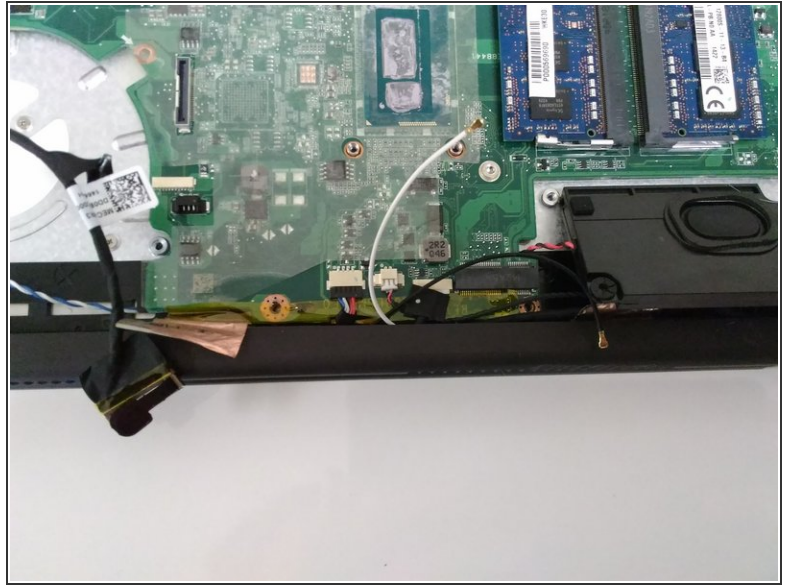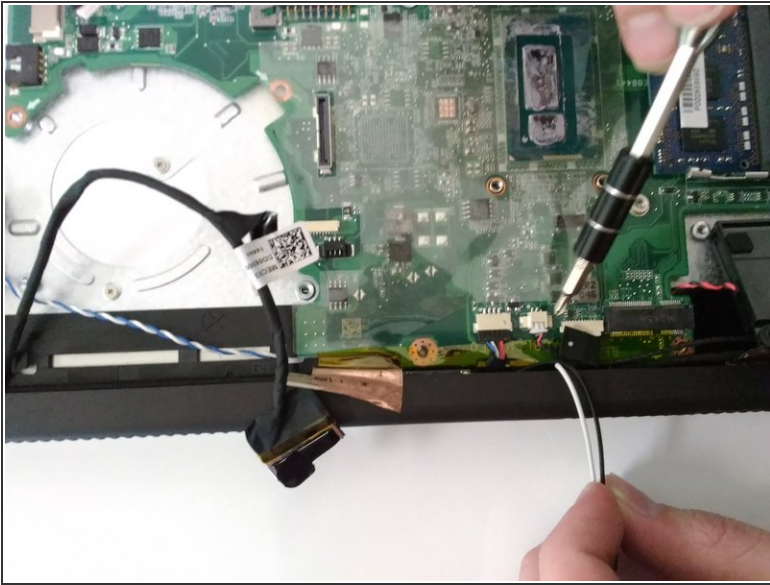- Unhook the speaker from under the hinge cable mounts.

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Step 17

- Unhook the right speaker cable from the motherboard.

Step 18
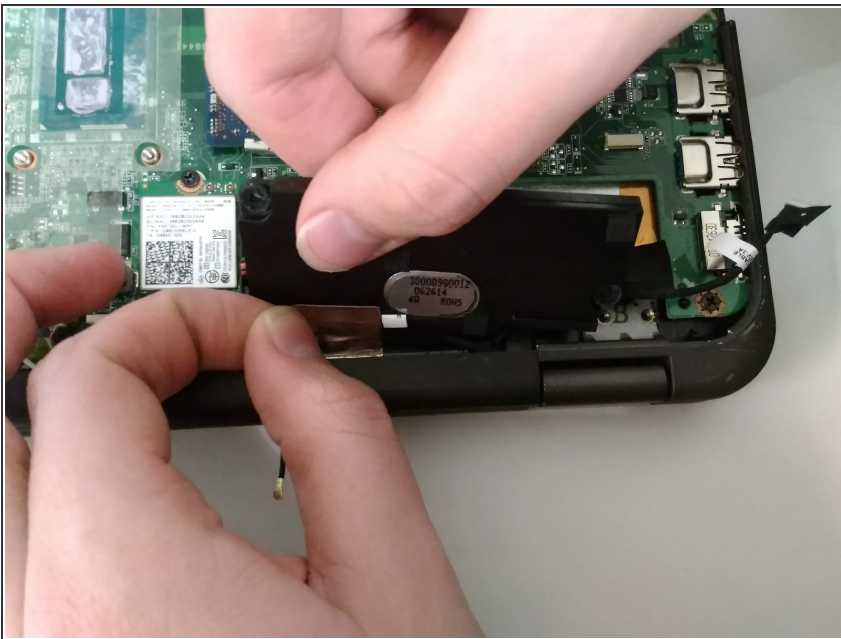
- Remove the copper tape from the speaker cord.

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Step 19

- Unhook the speaker cables from under the catch under the hinge.

Step 20
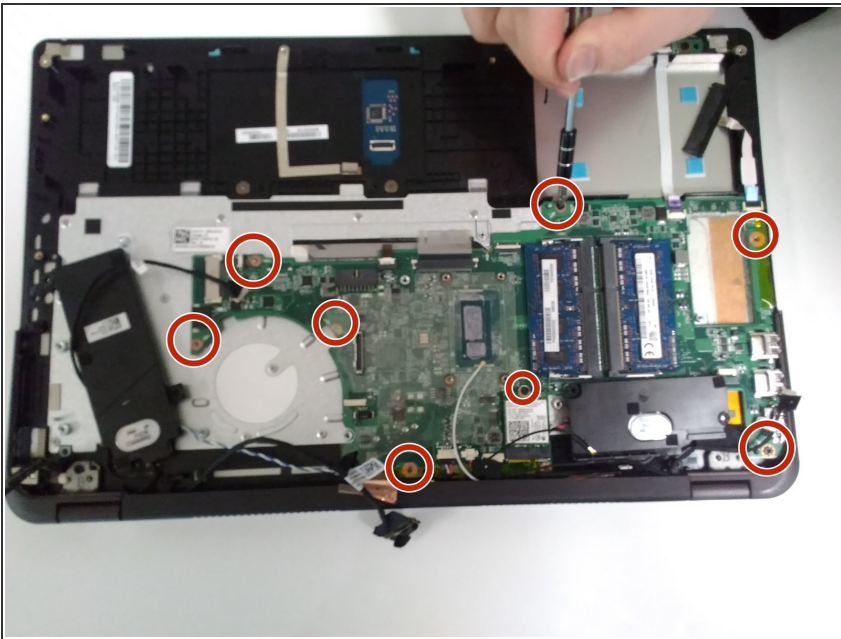
- Remove the eight M2x2.5mm P0 Philips screws from the motherboard.

Step 21

- Remove the motherboard.

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