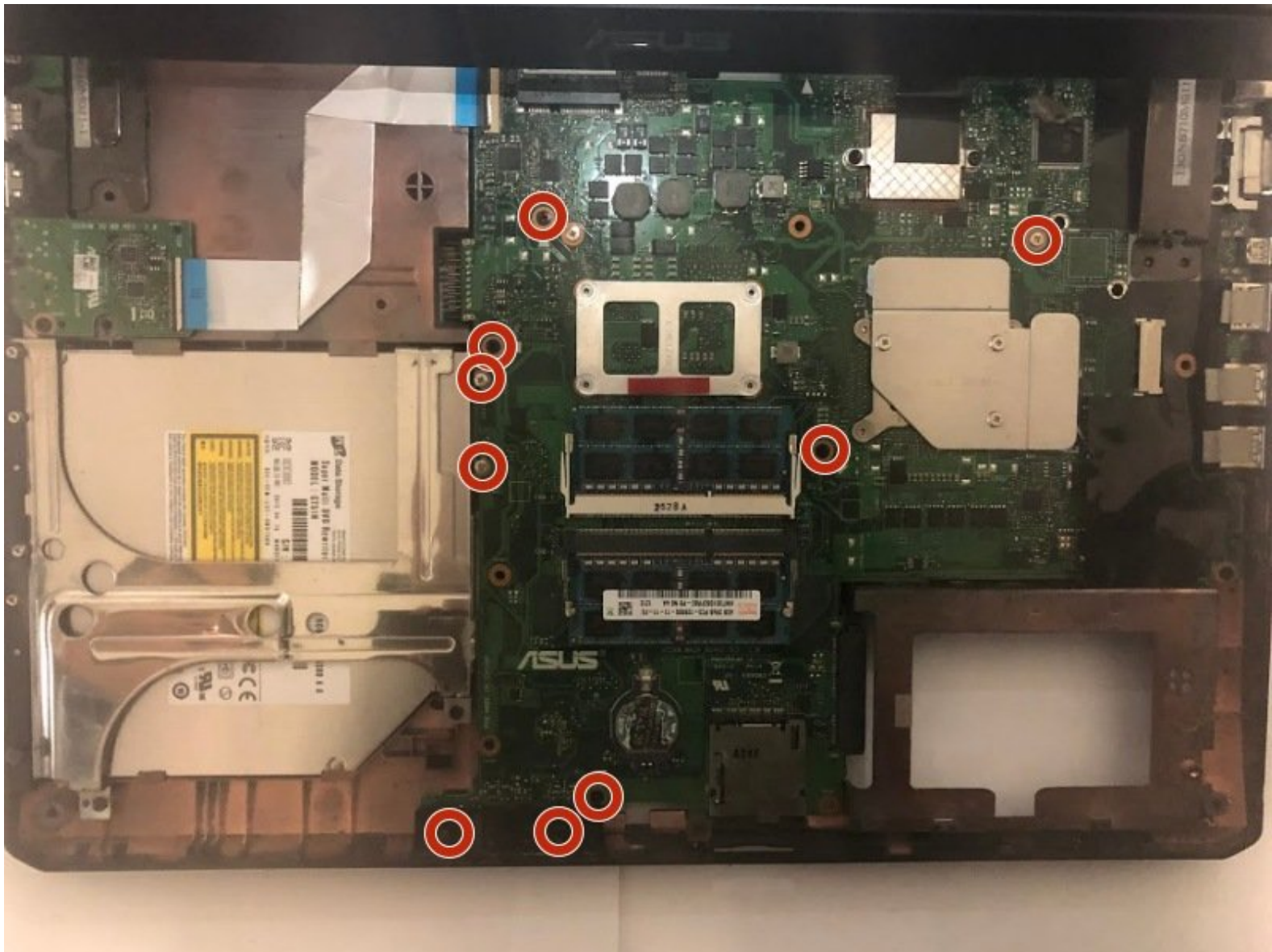# Asus G55VW DS71 Motherboard Replacement

This guide will show you how to remove the motherboard from the Asus ROG G55VW.

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www.iFixit.com

TOOLS:
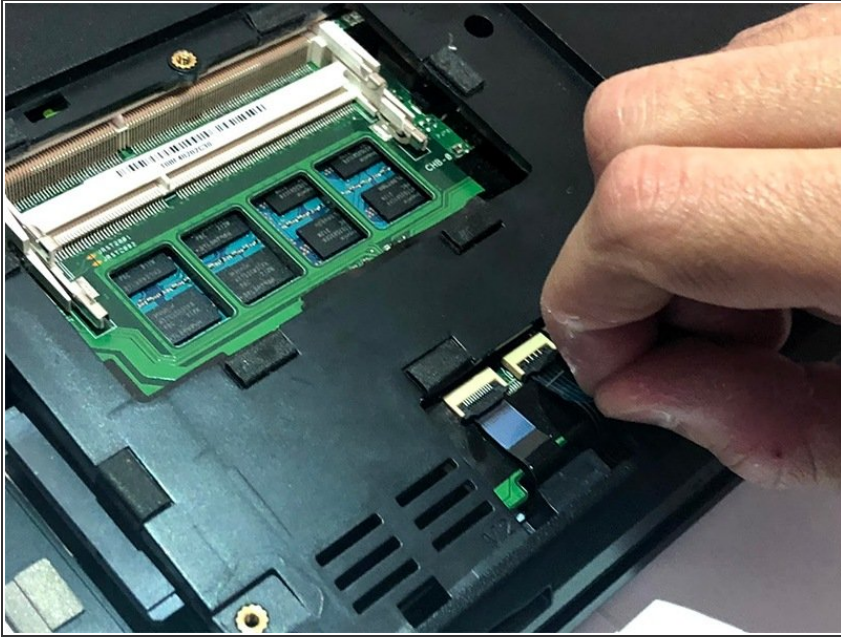
- Phillips #0 Screwdriver (1)

Step 1 — Battery

- Make sure the computer is off and turn it over on its back. Push the slider all the way back until the compartment for the battery opens. Remove the battery and place it aside.
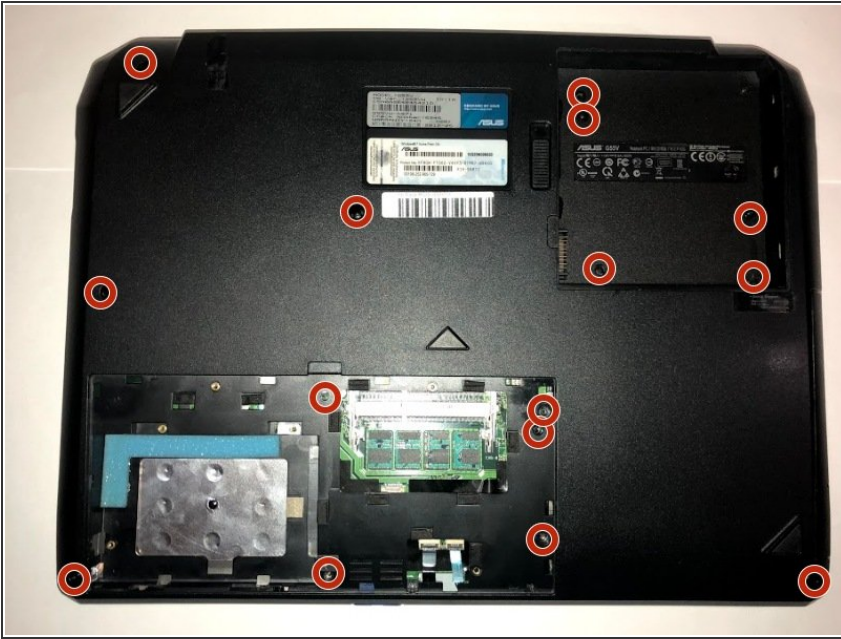
Step 2 — Keyboard

- Find the panel on the back of the computer. Using a Phillips #0 screwdriver, unscrew the 2 4.2mm screws on that panel. Lift up the panel at the indent and place it aside.

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Step 3

- When the back panel is removed, disconnect the blue and black ribbon connectors exposed from the back panel.

Step 4

- Remove the fifteen 4.2 mm screws on the bottom of the laptop with a Phillips #0 screwdriver, under the battery, and beneath the back panel that secure the keyboard to the laptop.

- (i) The top-left and upper center screws are difficult to reach with the iFixit screw kit.
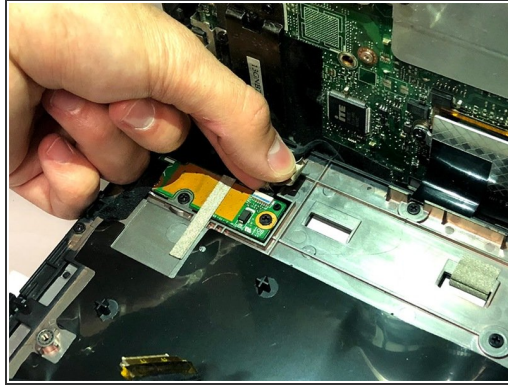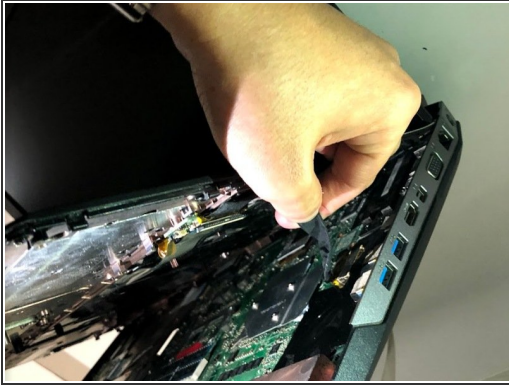
Step 5

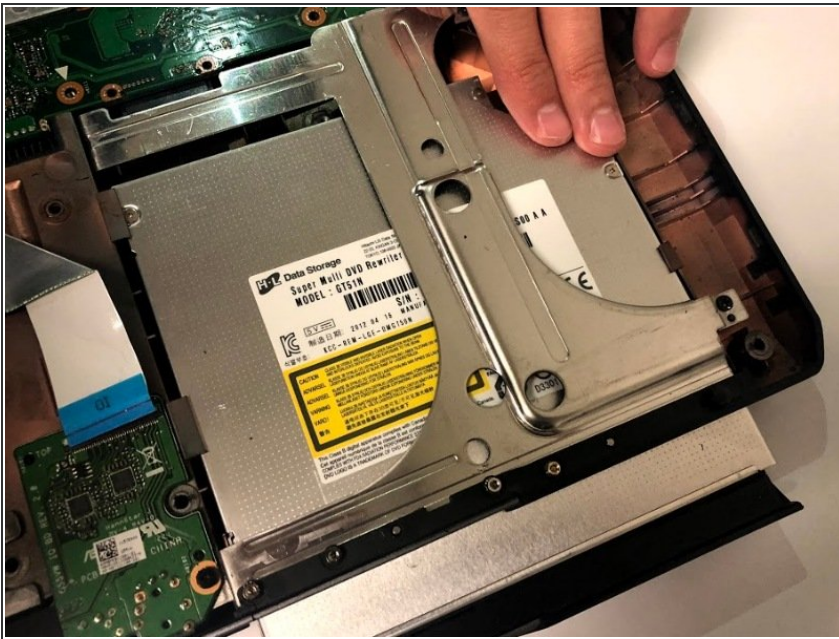- Begin to pry the keyboard off of the laptop with the pointed metal spudger.

- ⚠ It is possible to damage yourself as well as the device with the metal spudgers. Exercise extreme caution.
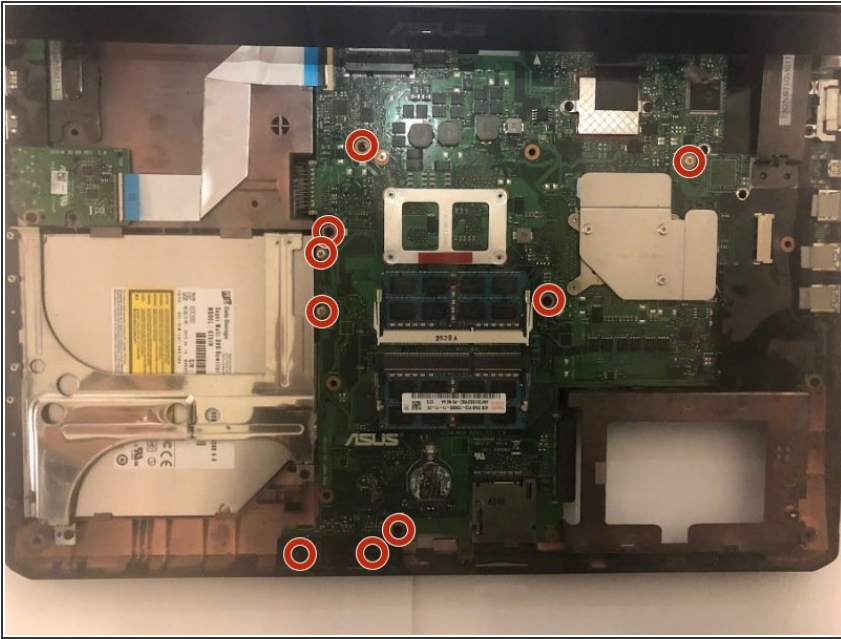
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Step 6

- Remove the ribbon connectors that connect the keyboard to the motherboard. The keyboard should now be completely disconnected from the laptop.
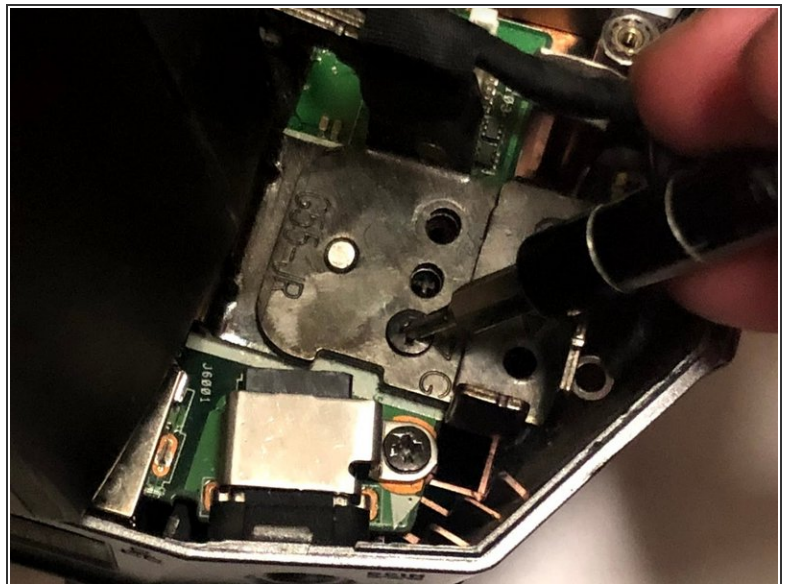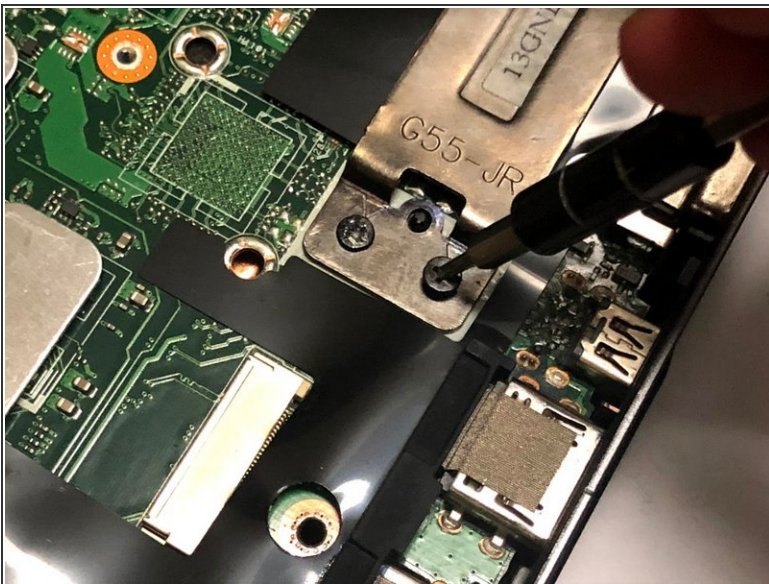
Step 7 — Disk Drive

- Placing your hand on the side of the disk drive closest to the motherboard, slightly push down and out to remove the drive.

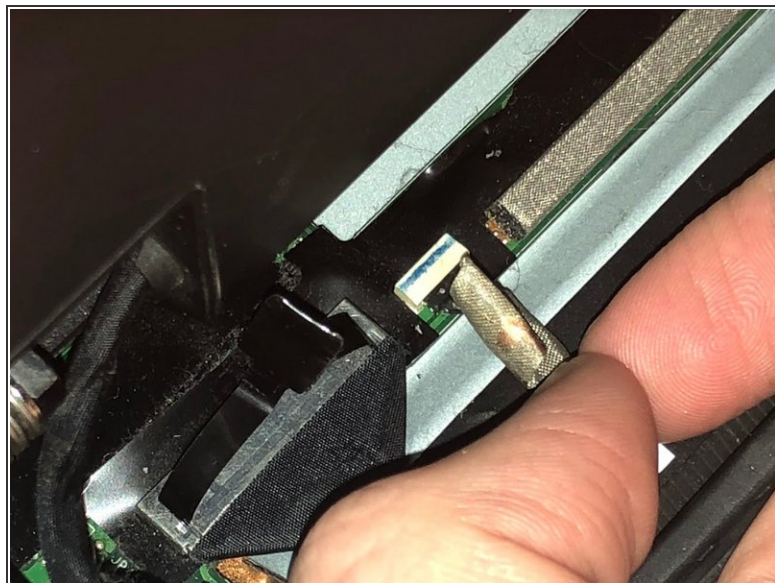www.iFixit.com

Step 8 — Motherboard

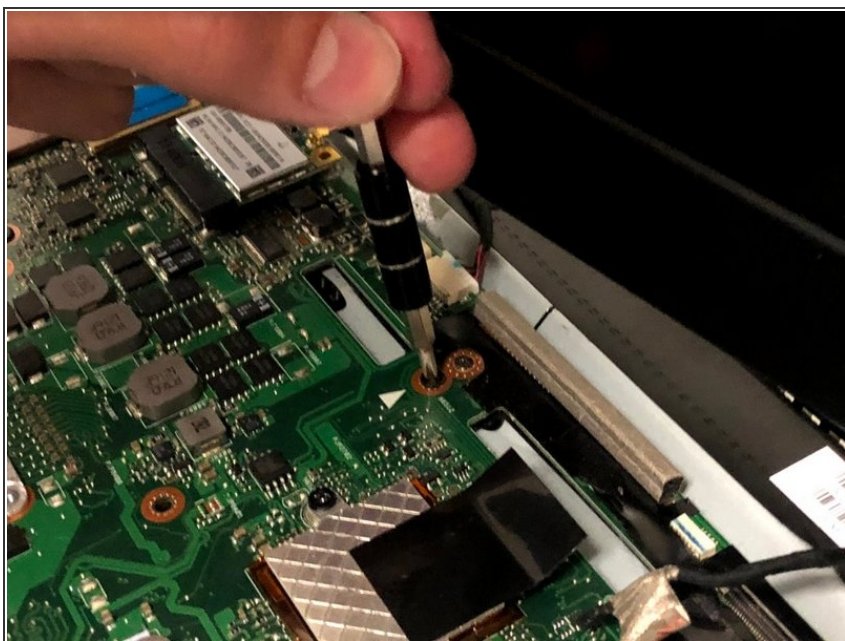- Remove the nine 4.2 mm screws that hold the motherboard to the laptop itself.

Step 9

- (i) In order to get to some screws on the motherboard, the monitor needs to be moved.

- On the right side of the computer there should be a panel that is connecting the monitor to the computer. Use a Phillips #0 screwdriver to remove each screw.
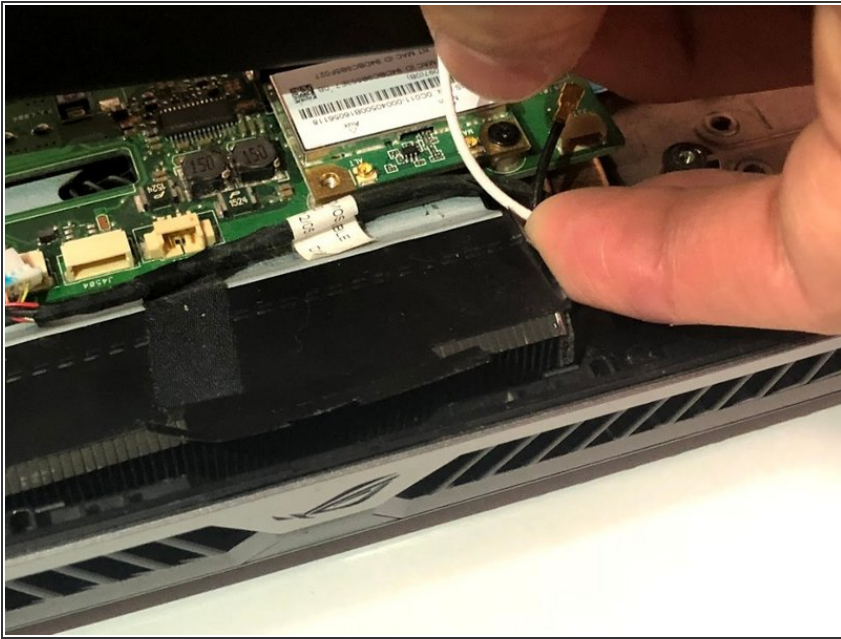
Step 10

- Pull out the 2 wires connecting the monitor to the computer.
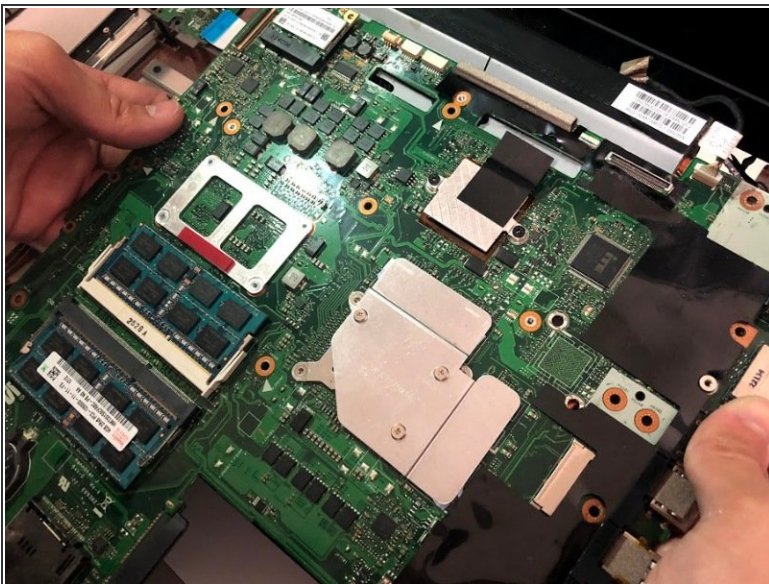
Step 11

- Push the monitor away in order to clear up space for the 2 screws and unscrew them.

Step 12

- Disconnect the black and white wires from the motherboard.

Step 13

- Remove the motherboard from the body of the laptop.

⚠️ The exhaust vent for the fans are snapped into the body of the laptop. Exercise caution when removing the motherboard.

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

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