Dell Latitude E6530 Motherboard Replacement

This guide will help you replace the motherboard in your Dell Latitude E6530 laptop.

Written By: Jonathan M.

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🔧 TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Phillips #1 Screwdriver](#) (1)

⚙ PARTS:

- [Thermal Paste](#) (1)
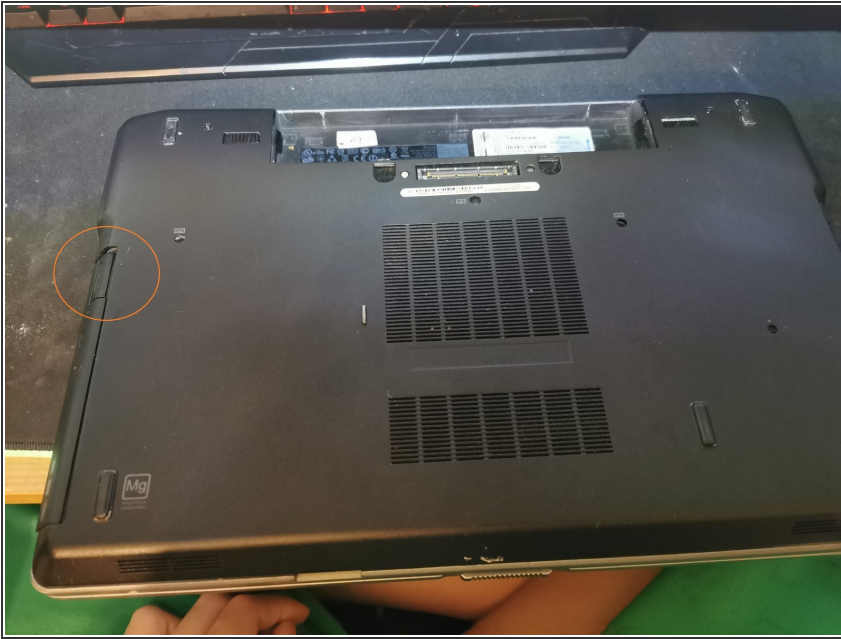- [Dell Latitude E6530 motherboard](#) (1)
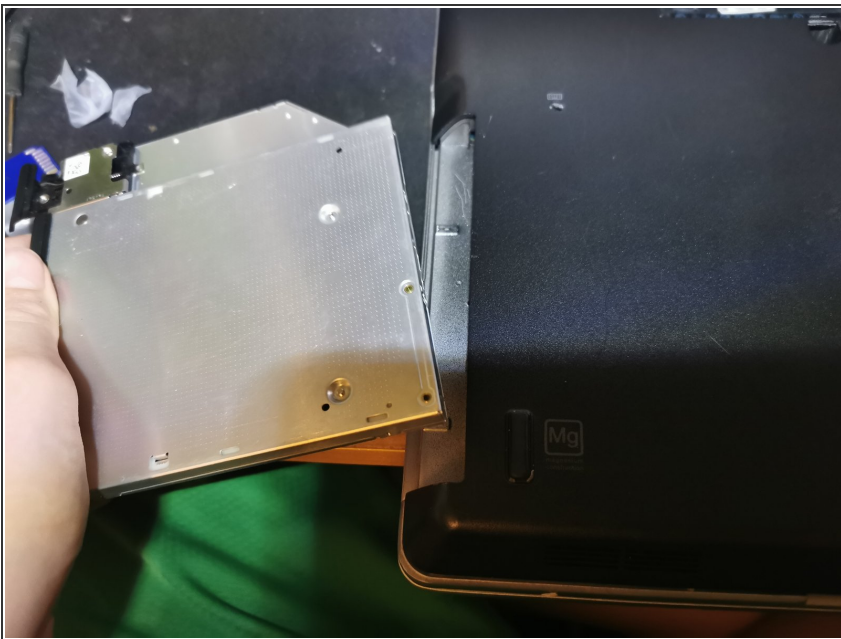
Step 1 — Battery

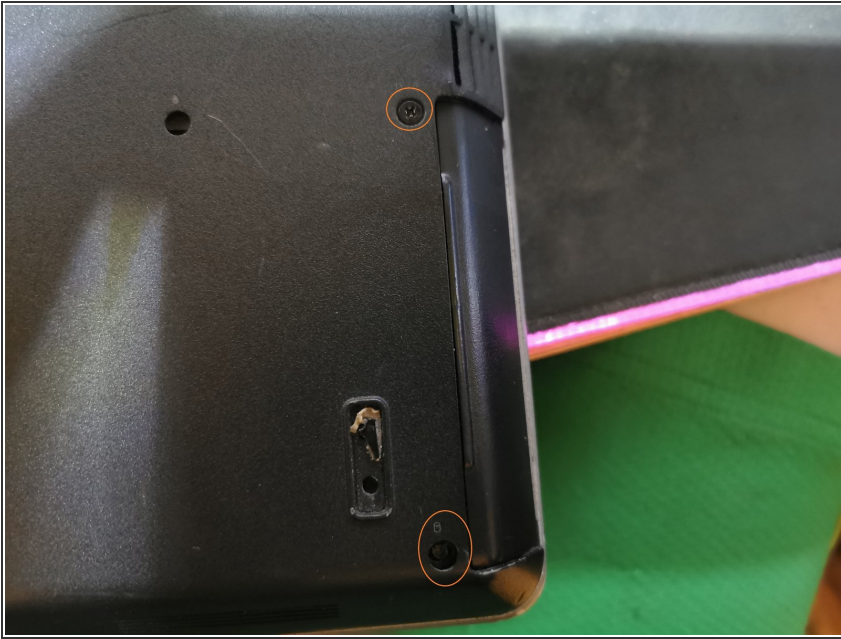- Pull back the 2 battery tabs.

Step 2

- Pull out the battery.

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Step 3 — DVD Drive

- Push the button next to the DVD drive.

Step 4

- Pull out the DVD Drive.

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Step 5 — Hard Drive

- Undo the 2 Phillips #00 screws.

Step 6

- Pull out the hard drive.

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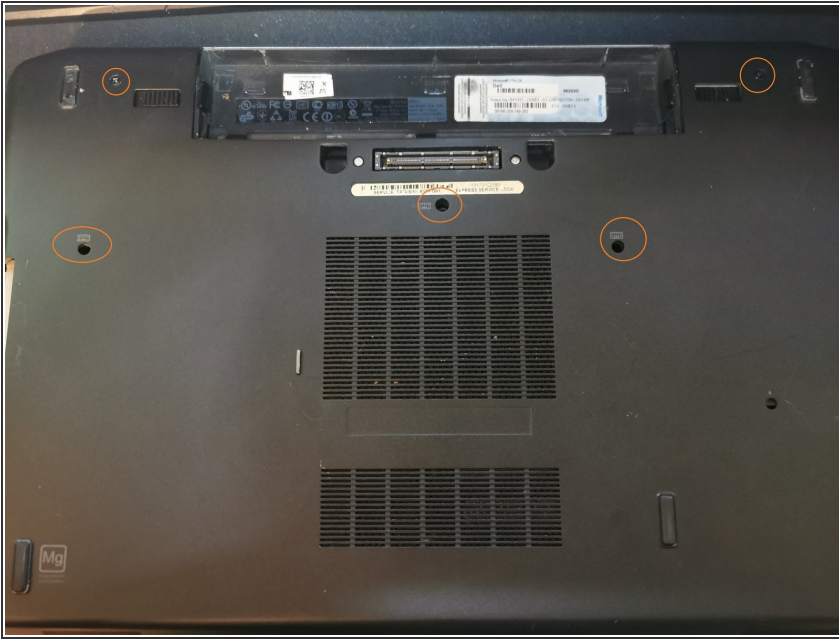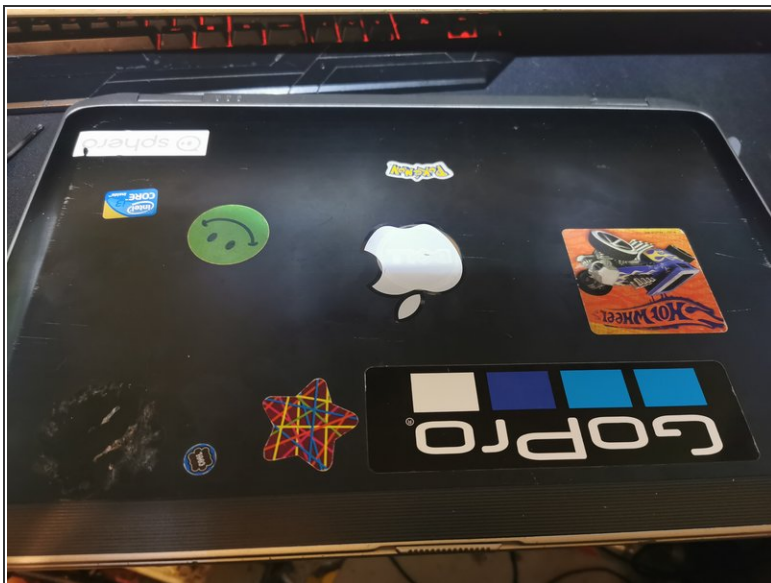
Step 7 — Back Cover

- Remove the 5 Phillips #00 screws.
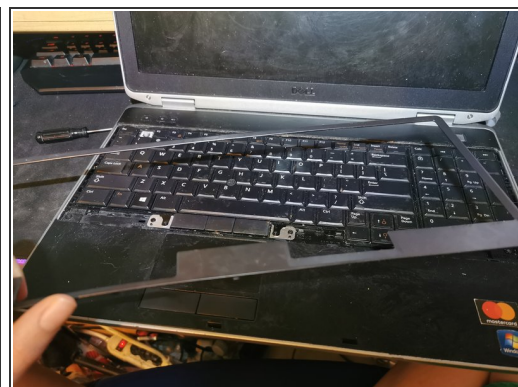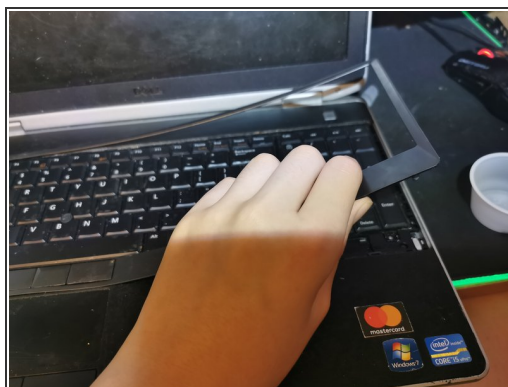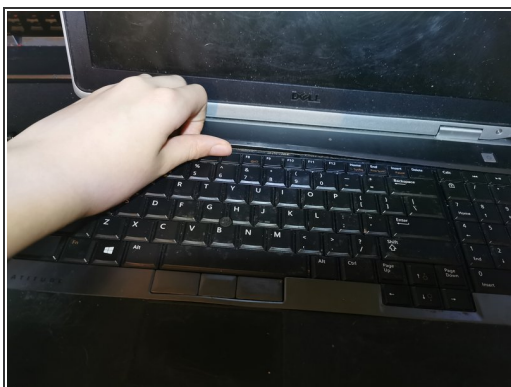
Step 8

- Remove the back cover.

Step 9 — Keyboard

- Flip over and open the laptop.
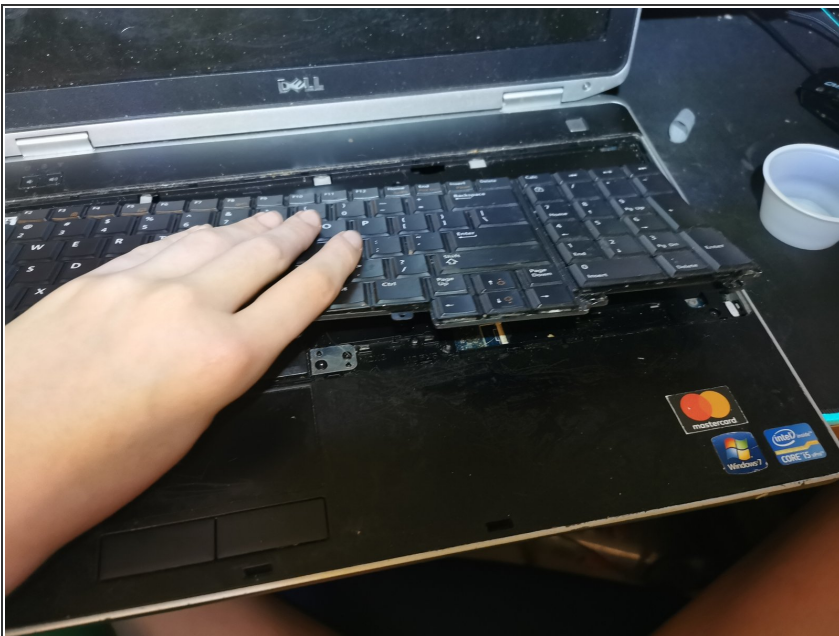
Step 10

- Use your fingernail or opening tool to remove the keyboard bezel.

Step 11

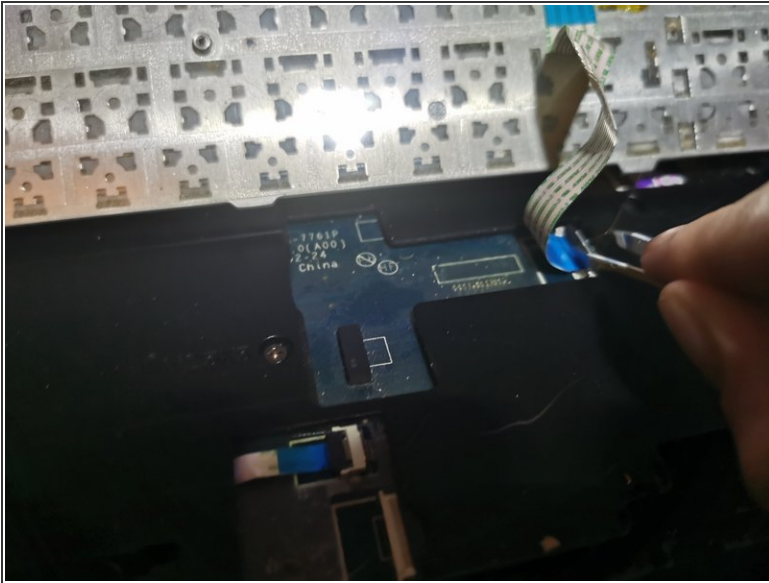- Remove the 3 Phillips #00 screws.

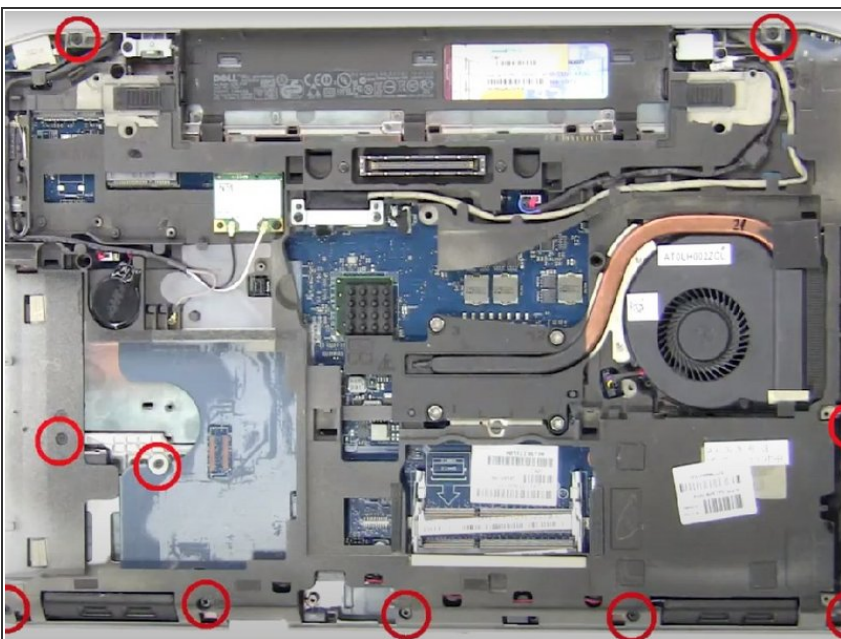## Step 12

- Carefully remove the keyboard.

⚠️ Do not lift up the keyboard too much, as it is still attached via a ribbon cable.
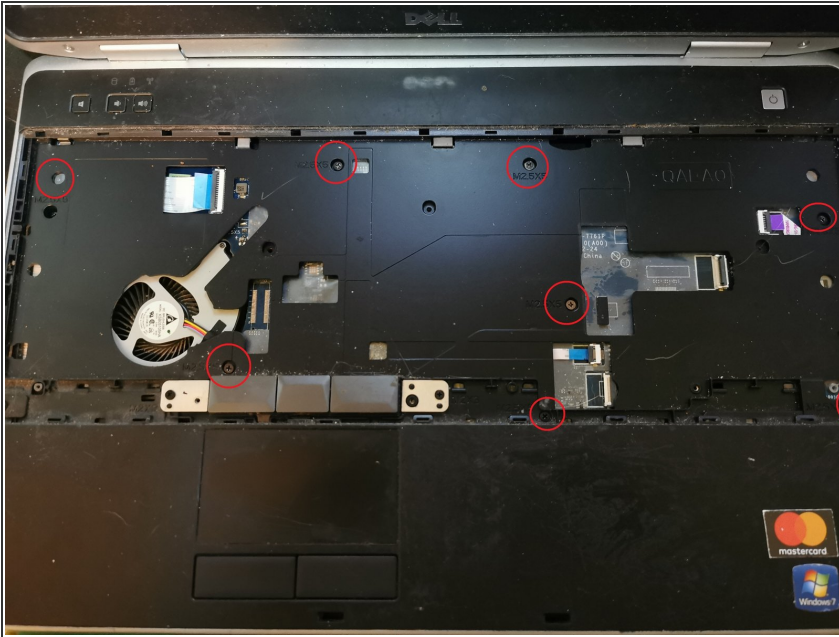
Step 13

- Use a pair of tweezers or your fingernail to lift up the ribbon cable lock.

- Use a pair of tweezers or your finger to remove the keyboard ribbon cable

- Set the keyboard aside.

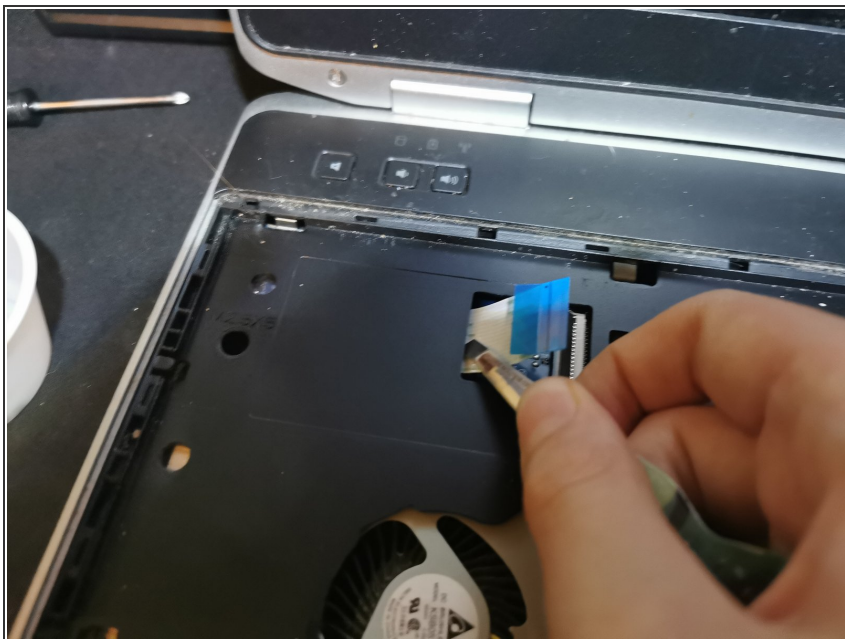## Step 14 — Palmrest

- Remove the 10 Phillips #00 screws.

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Step 15

- Flip over and open the laptop.

- Remove the 8 Phillips #00 screws,

Step 16

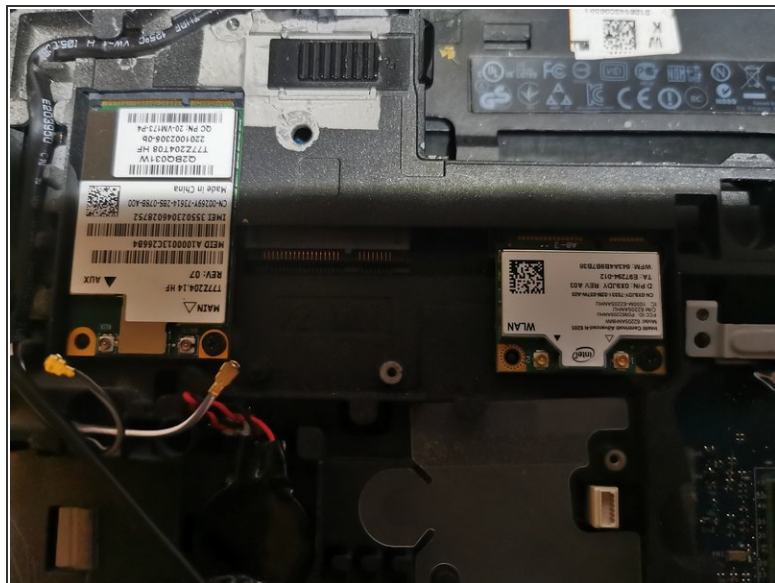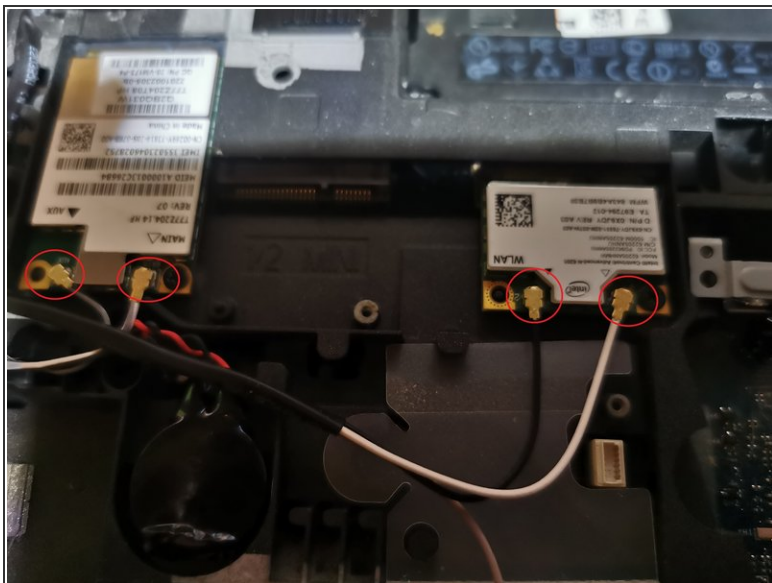- Use a pair of tweezers to remove the trackpad ribbon cable.

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Step 17

● Use a pair of tweezers to remove the ribbon cable for the lights and buttons.
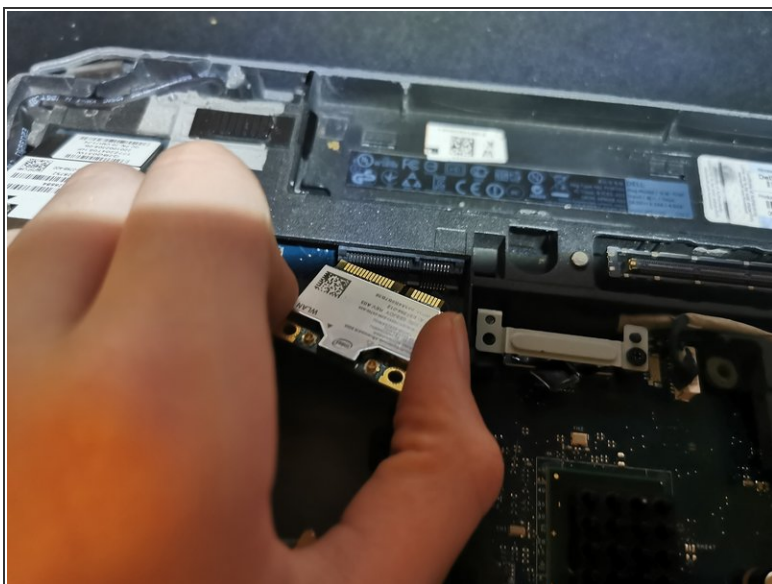
Step 18

● Lift off the laptop's palmrest.

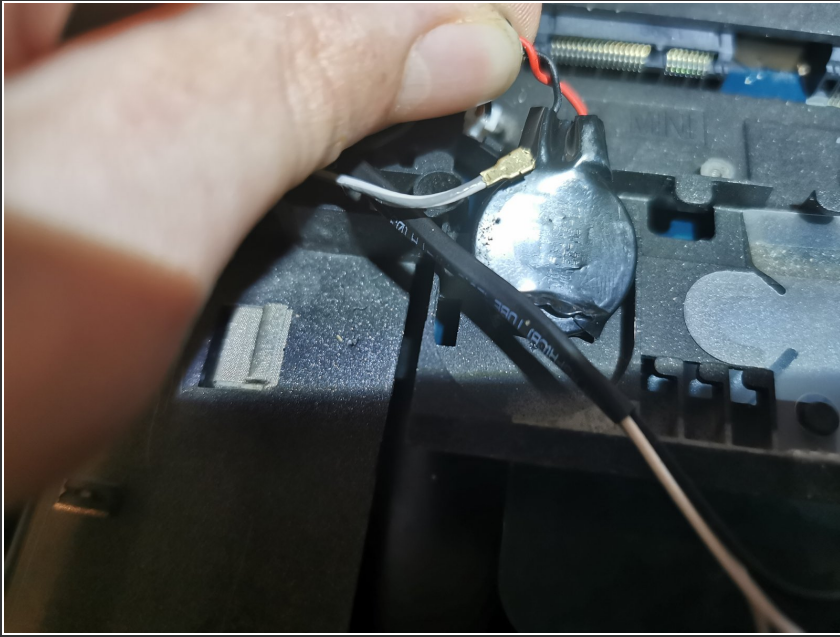## Step 19 — Wi-Fi and cellular cards

- Close and flip over the laptop.

- Remove the antenna cables and screws from the Wi-Fi card and the cellular card.
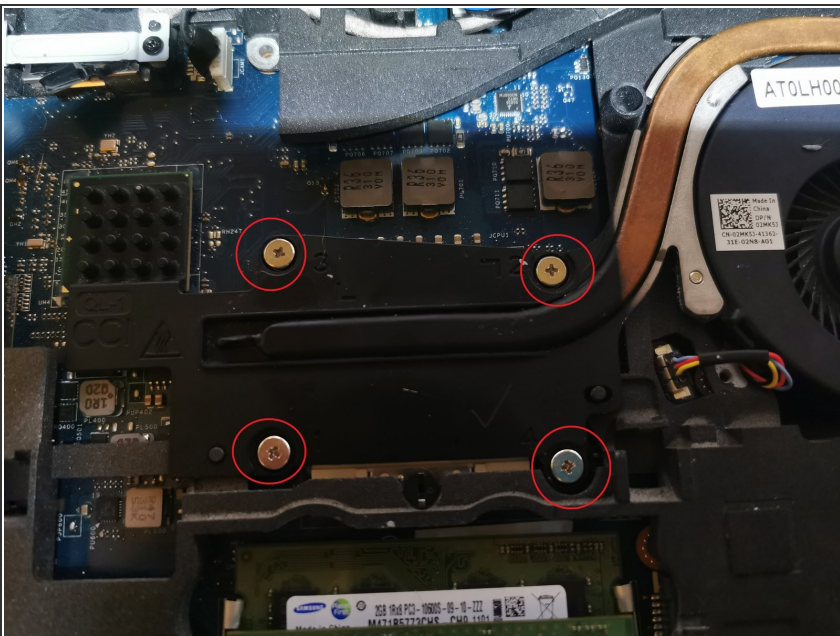
Step 20

- Remove the Wi-Fi and cellular cards.

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Step 21 — CMOS battery

- Disconnect and remove the CMOS battery.

Step 22 — Heatsink

- Remove the 4 heatsink screws.

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Step 23

- Disconnect and remove the heatsink.

⚠ Make sure you have thermal paste before doing this! You will need to reapply the CPU's thermal paste.

Step 24 — CPU

- Use a knife or flathead screwdriver to turn the CPU lock counter-clockwise.

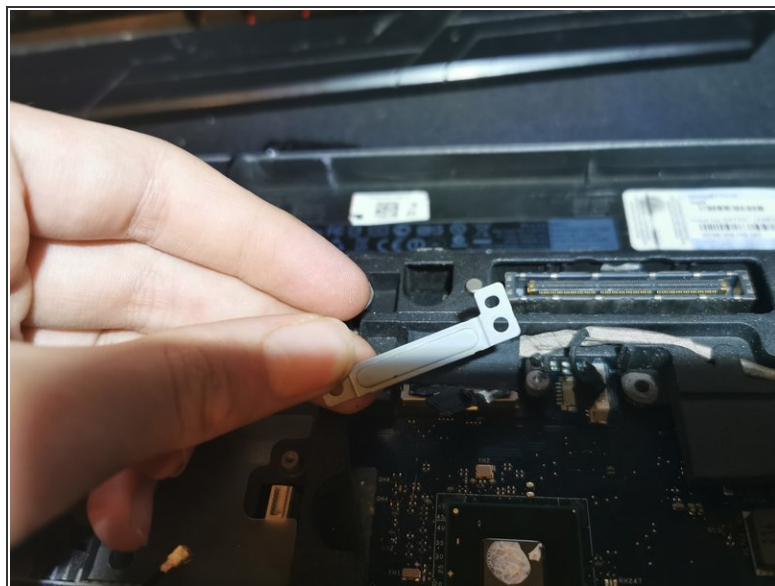📌 Remember to turn the CPU lock clockwise when reassembling the laptop! If you don't, the system will not turn on.
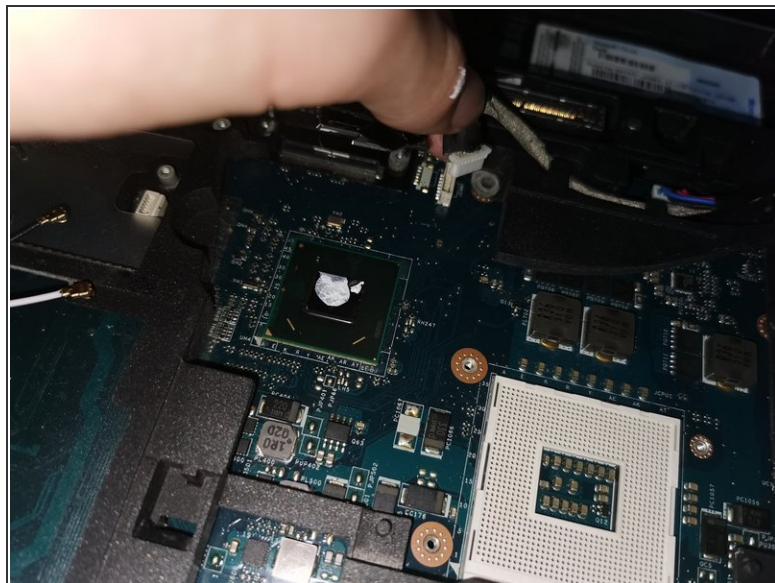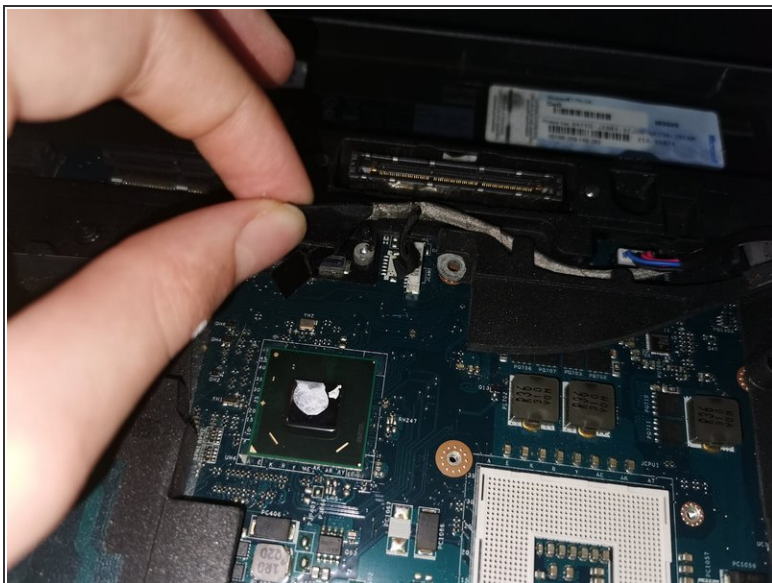
Step 25

- Remove the CPU

⚠ Be **VERY CAREFUL** to not bend **ANY** pins on the CPU.

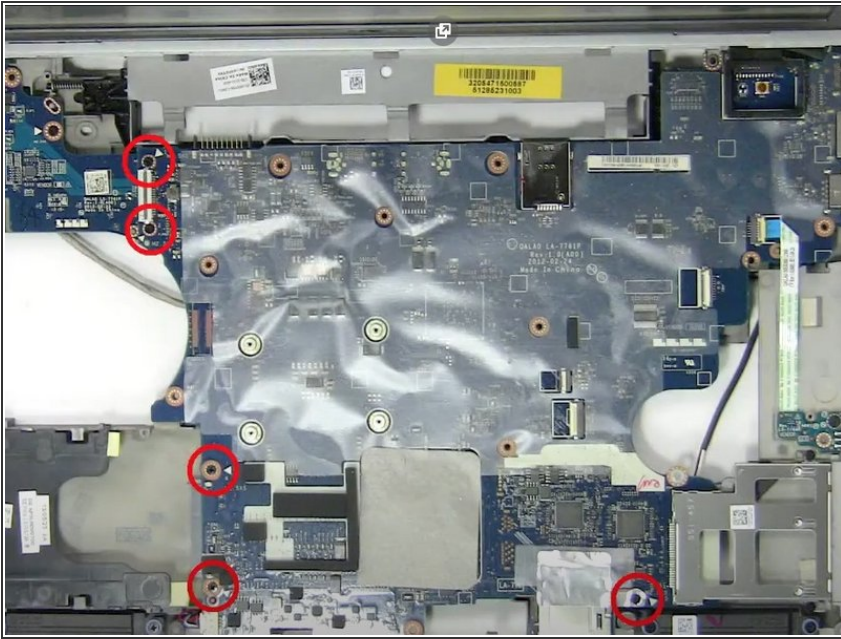## Step 26 — Display Cable

- Unscrew and remove the bracket.

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Step 27

- Disconnect the display cables.

Step 28 — Motherboard

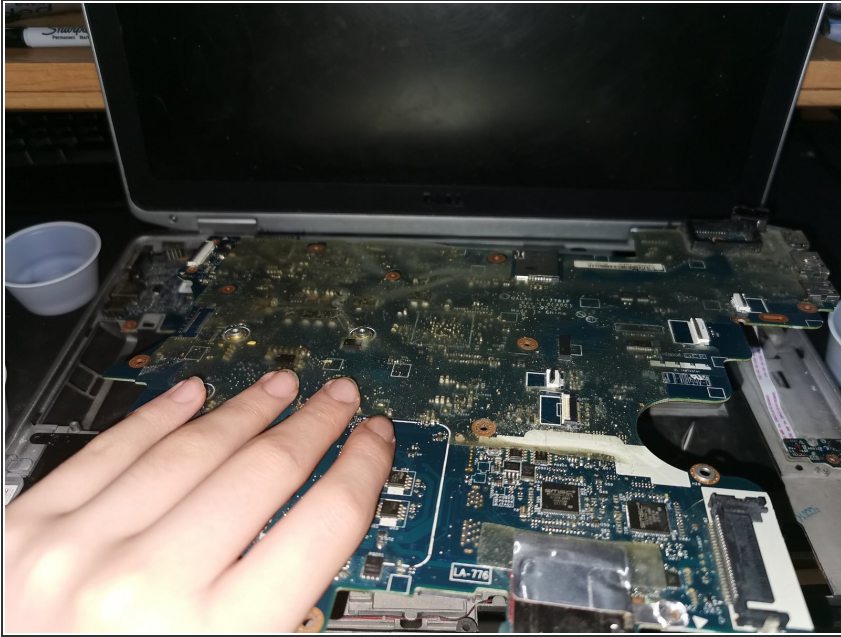- Flip over and open the laptop.

- Remove the 2 motherboard cables.

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Step 29

- Remove the 5 motherboard screws.

Step 30
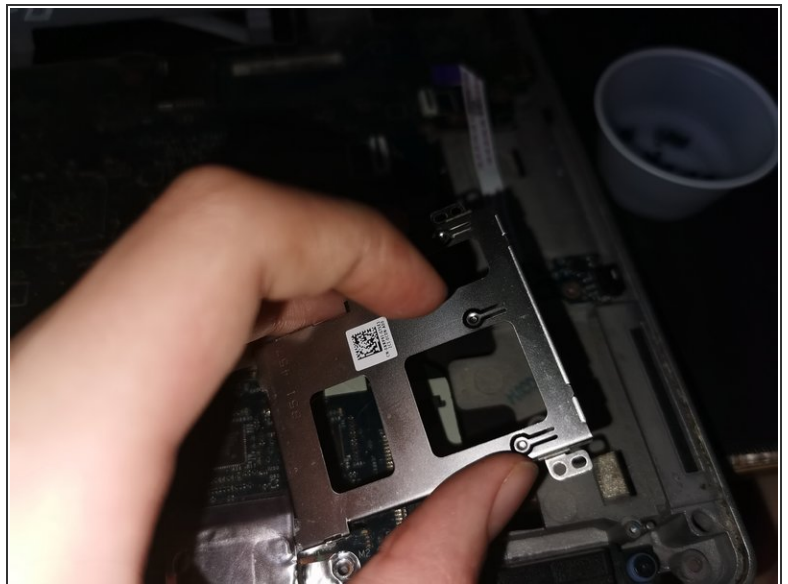
- Remove the 2 bracket screws.

- Remove the bracket.

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Step 31

- Remove the motherboard.

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