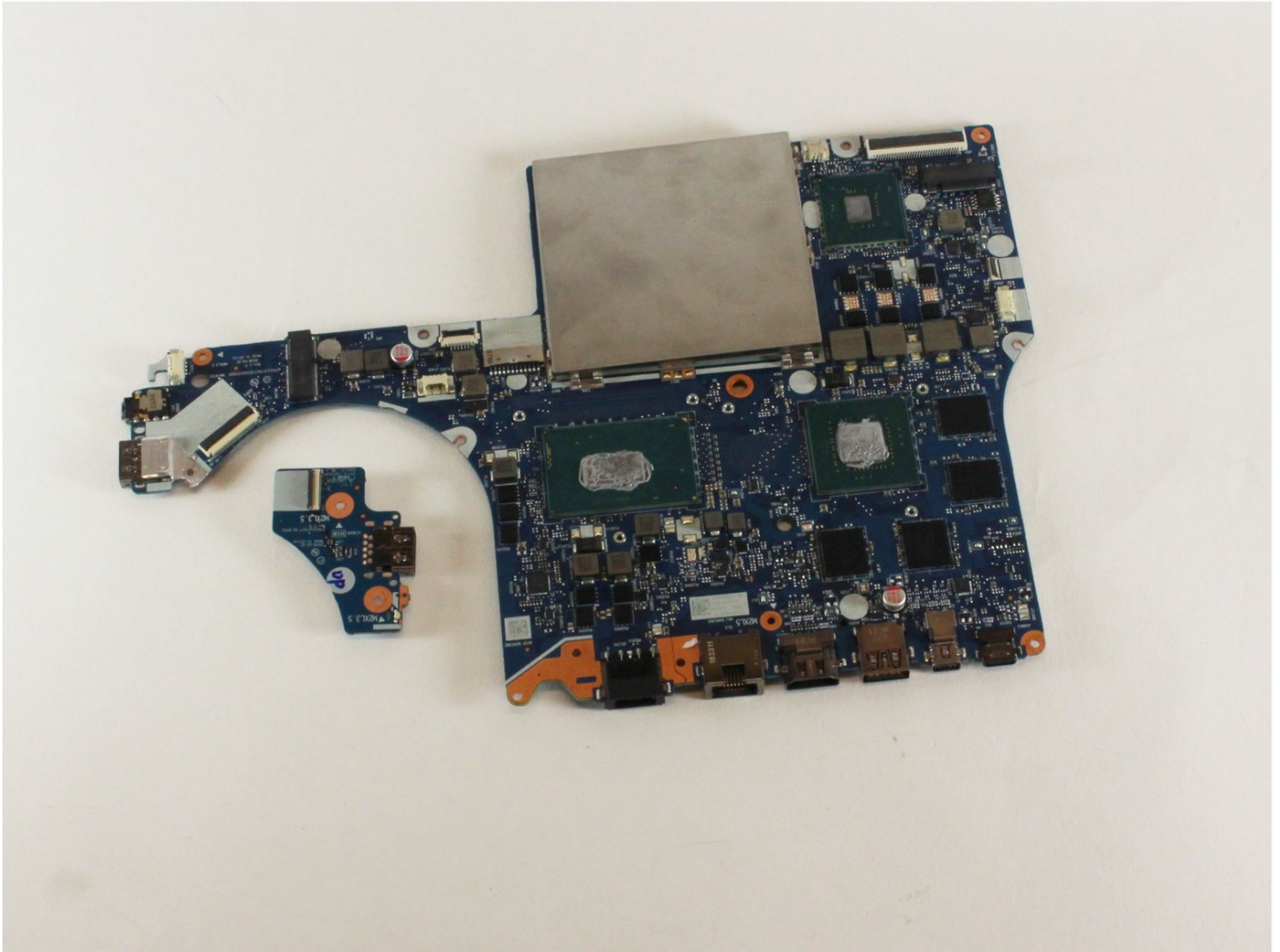




Lenovo Legion Y530-15ICH Motherboard Replacement

The motherboard acts as the central hub of...

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INTRODUCTION

The motherboard acts as the central hub of communication between all of the components in your device. If random applications are quitting or if you're seeing the "blue screen of death" (BSOD), it may be time to replace the motherboard in your computer. This guide will go through the steps on how to replace the motherboard of the Lenovo Legion Y530-15ICH.

TOOLS:

[JIS #1](#) (1)

[iFixit Opening Picks \(Set of 6\)](#) (1)

PARTS:

[5B20R40209 - Motherboard](#) (1)

[5B20R40198 - Lenovo Laptop Motherboard](#) (1)

[5B20R66253 - Lenovo Laptop Motherboard](#) (1)

Step 1 — Back Cover



 **Ensure the device is powered off.**

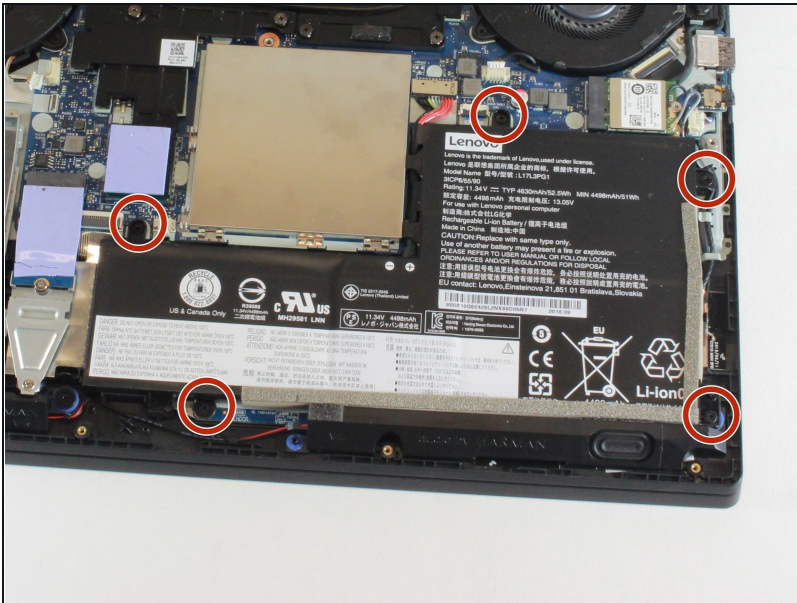
- Use a PZ00 screwdriver bit to remove the eleven screws securing the back cover.
 - Five 7 mm screws
 - Six 4 mm screws

Step 2



- Carefully pry the back cover off the computer using an opening pick.
 - ① Start at the corner of the laptop and work your way around the side. Gently pull up on the cover until it detaches.

Step 3 — Battery



- Use a Phillips screwdriver to remove the five 4 mm screws holding the battery in place.

Step 4



- Disconnect the battery cable from its motherboard socket by gently pulling it towards the battery.

⚠ Pull parallel to the battery, not straight up.

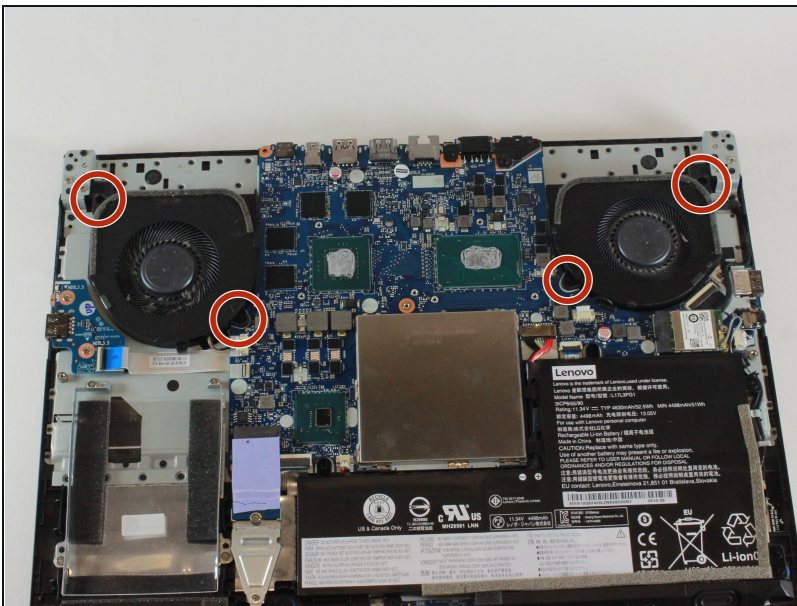
- ① Now you can safely remove the battery.

Step 5 — Fan



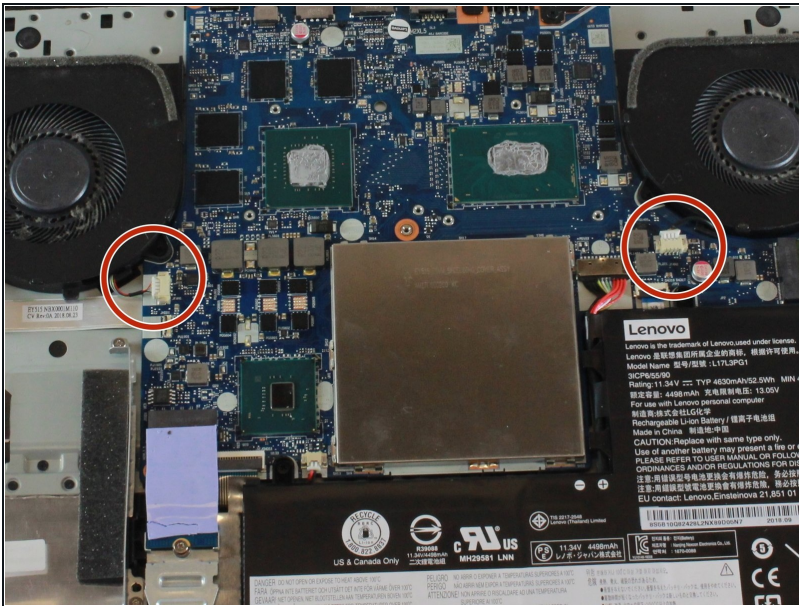
- Use a JIS #1 screwdriver to loosen the five spring screws located at the middle of the fan piece.
- Remove the plastic covering after the screws have been loosened.
 - ① Spring screws will stay attached to the cover.

Step 6



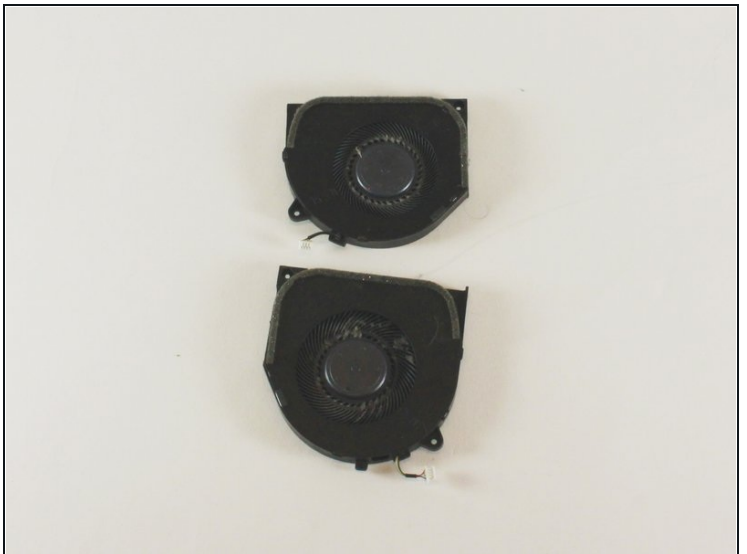
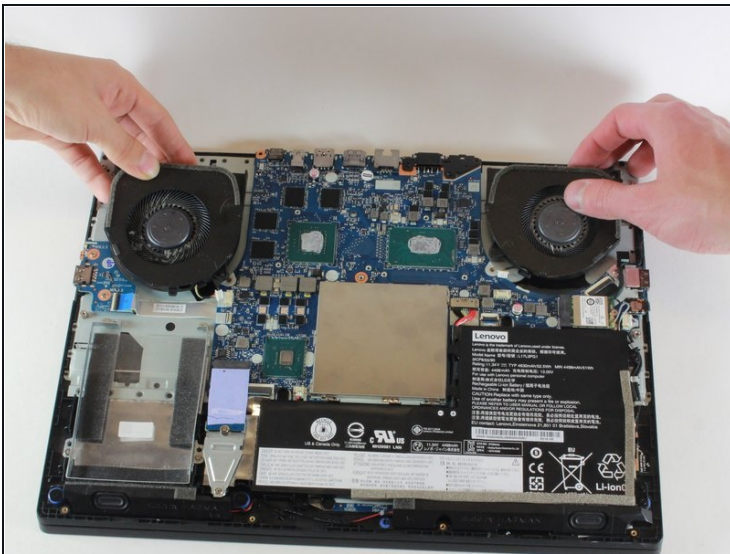
- Use a JIS #1 screwdriver to remove four 4mm screws securing the fans to the device.

Step 7



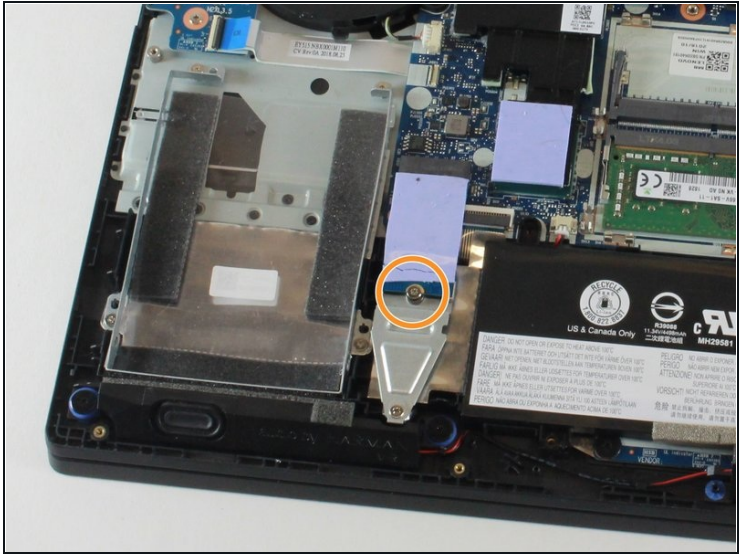
- Unplug the wires connecting the two fans to the motherboard.
- ① When doing this, tug carefully from side to side.

Step 8



- Lift the fans out of their positions and remove them from the device.

Step 9 — Solid State Drive



⚠ Do not remove the thermal pad.

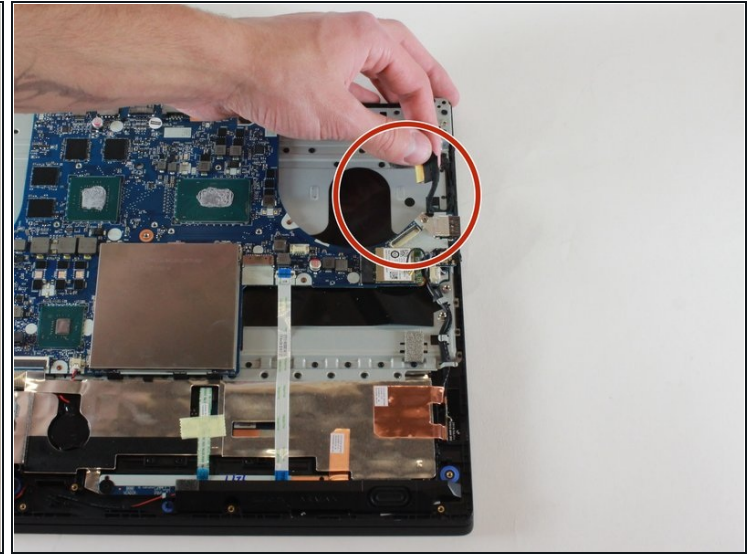
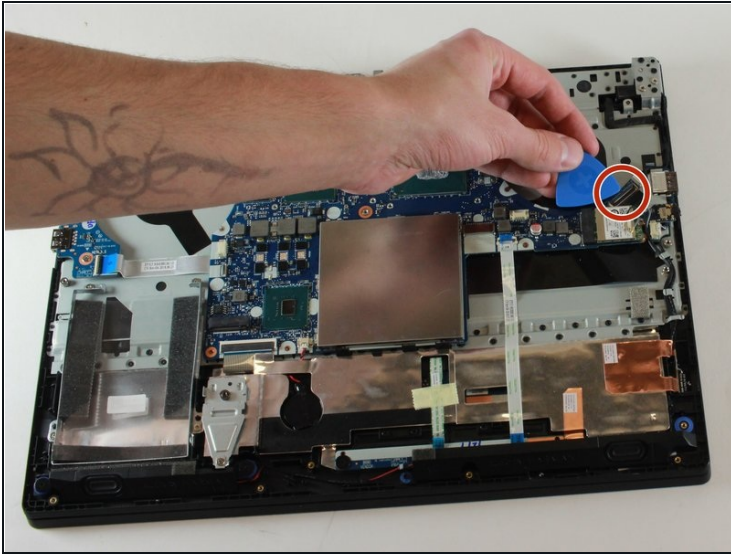
- Remove one 4mm screw circled in orange in the second picture with a JIS #1 screwdriver.

Step 10



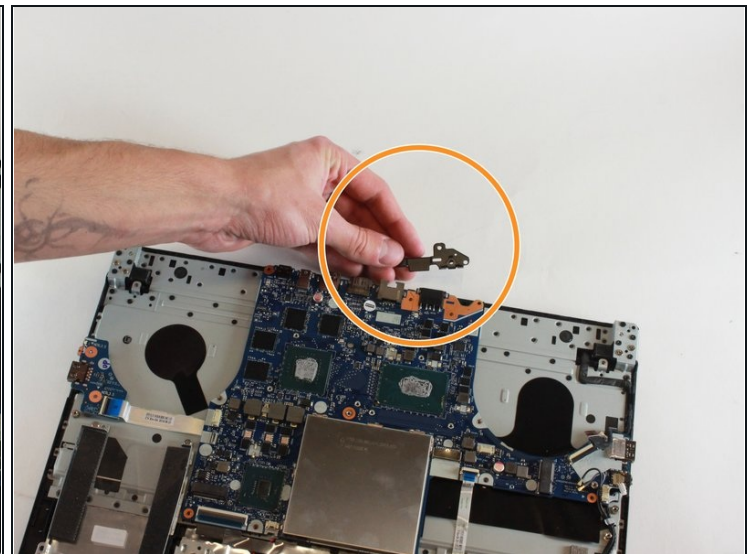
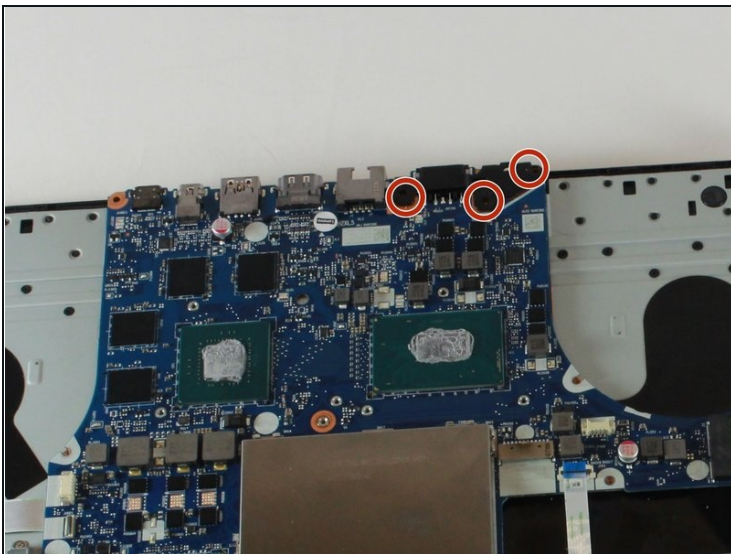
- Carefully remove the SSD from its connector.

Step 11 — Motherboard



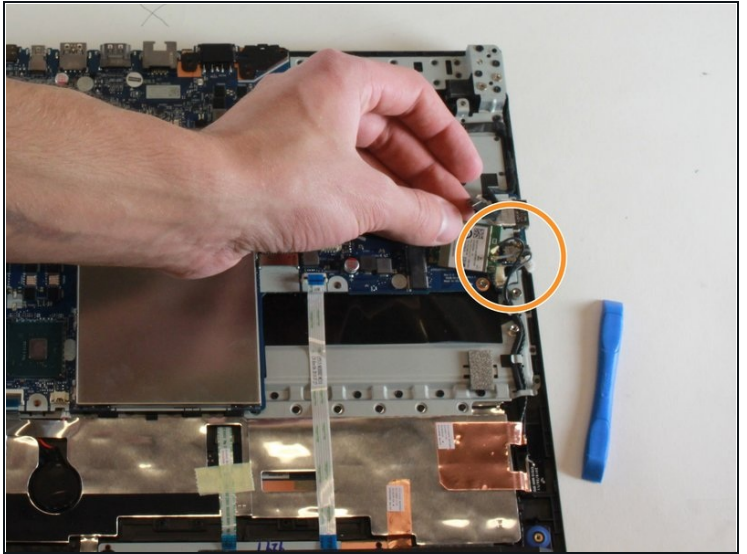
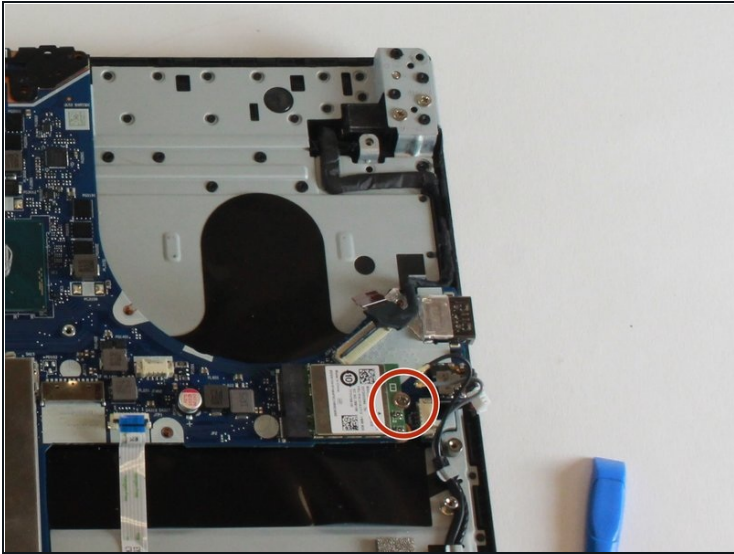
- Start by disconnecting the ribbon cable that is near the audio driver. It is recommended to use the iFixit Opening Pick to remove the ribbon cable.

Step 12



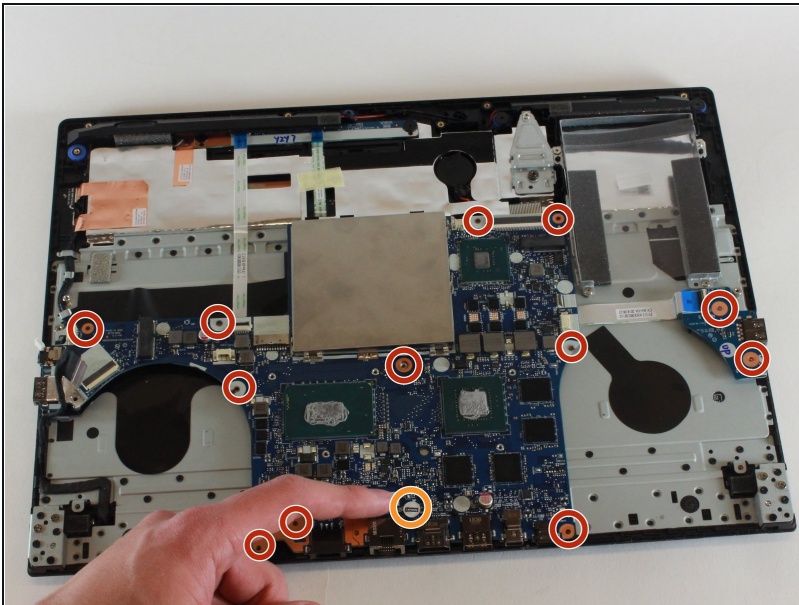
- Remove three 4mm screws using a JIS #1 screwdriver.
- Remove the black cover the screws were holding down.

Step 13



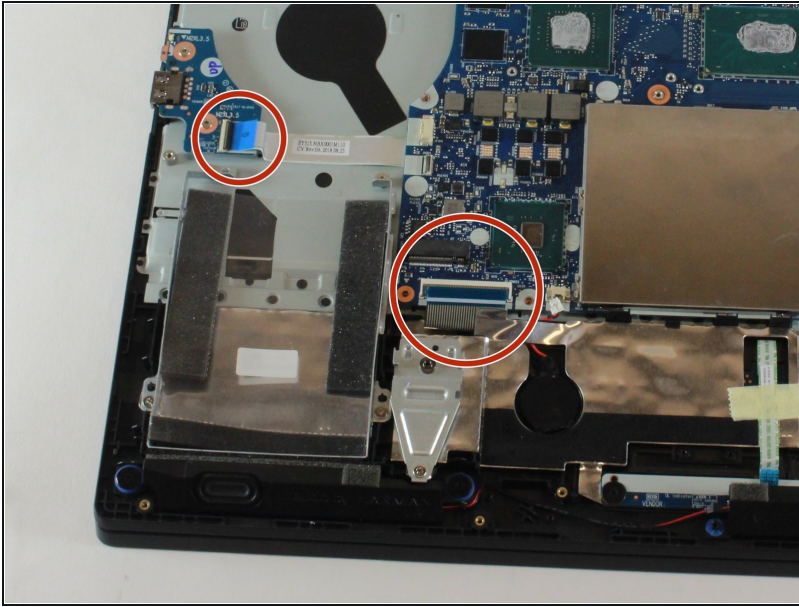
- Remove the 4mm screw on top of the audio driver using a JIS #1 screwdriver.
- Pull the audio cables gently off the audio driver.
- Remove the audio driver from the motherboard.

Step 14



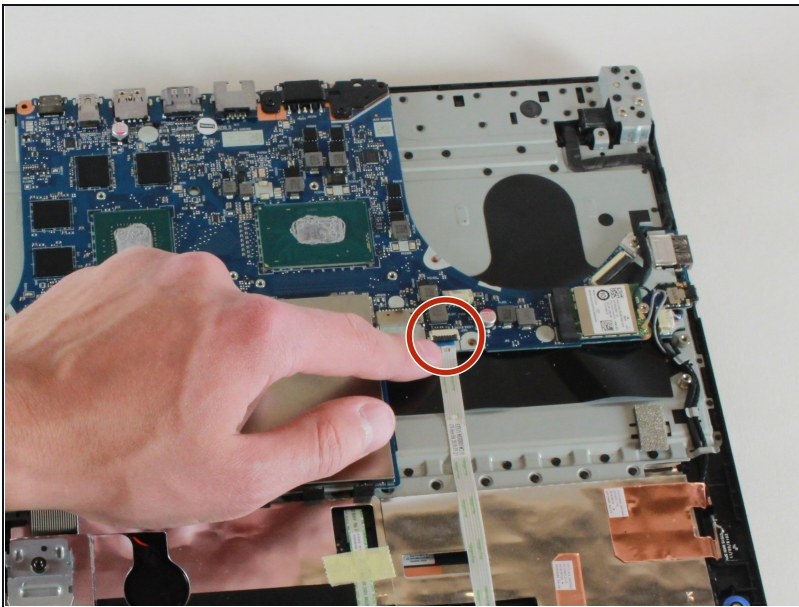
- Remove twelve 4mm screws circled in red using a JIS #1 screwdriver.
- Peel off the Lenovo sticker and remove one 4mm screw with a JIS #1 screwdriver.

Step 15



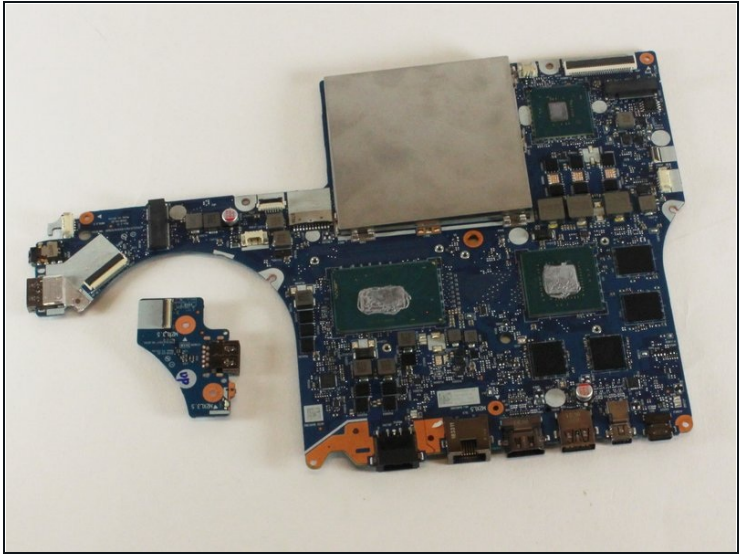
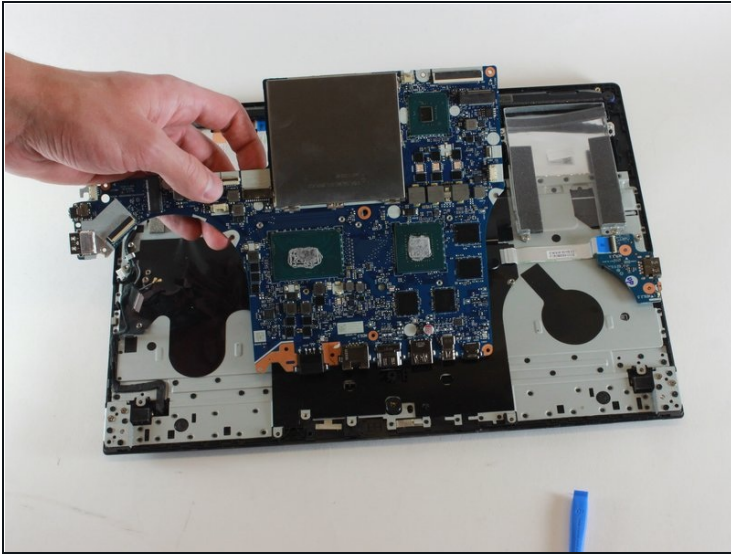
- Remove two ribbon cables in the circled areas. Gently pull them out of their ports.

Step 16



- Remove the final ribbon cable by gently pulling it from its socket.
- ⓘ The motherboard is now completely disconnected from the laptop.

Step 17



- Gently lift the motherboard out of the housing.

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