![iFIXIT logo]

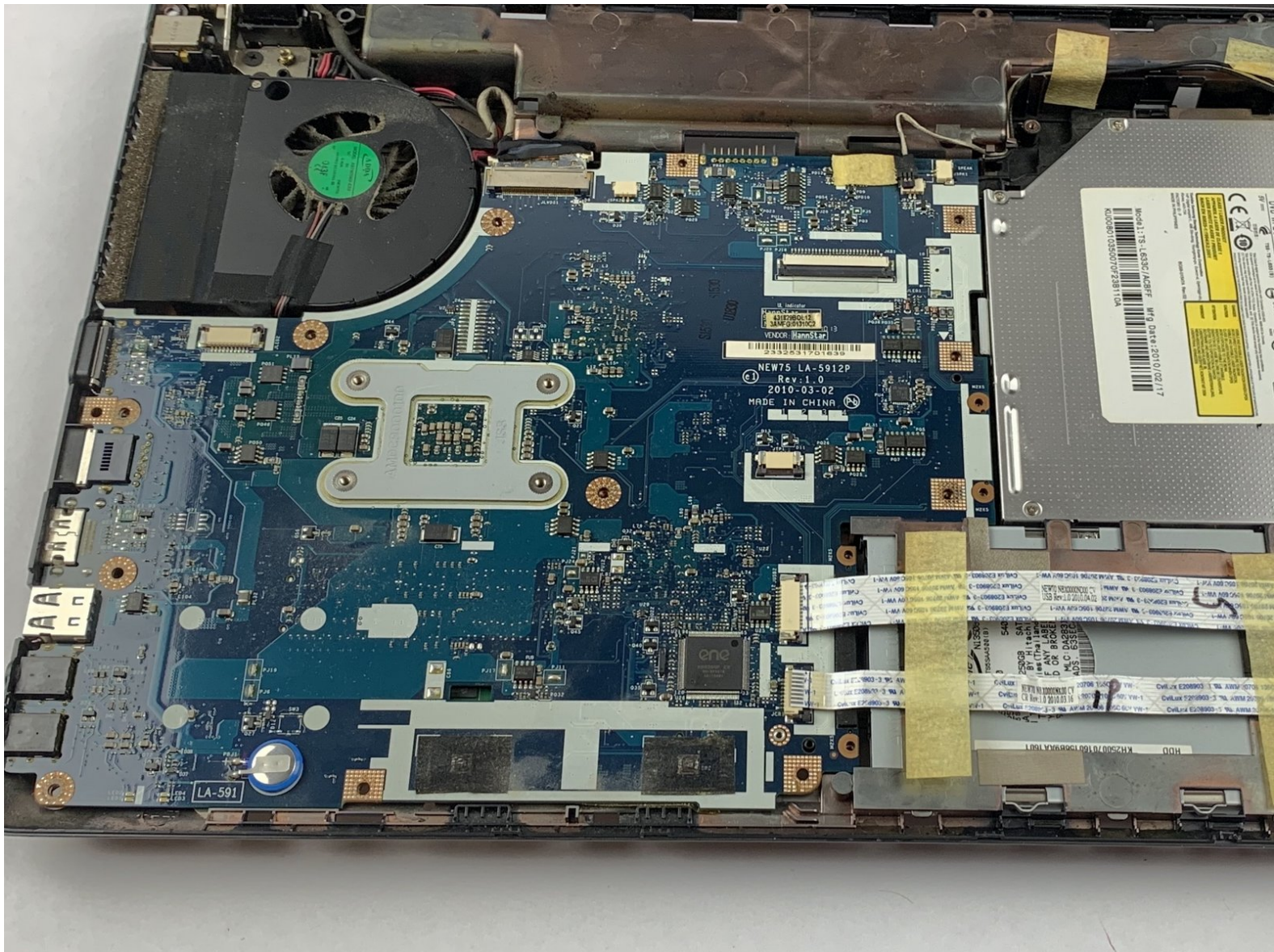# Acer Aspire 5251-1513 Motherboard Replacement

Use this guide to replace the motherboard in your Acer Aspire 5251-1513.

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INTRODUCTION

This guide will help you replace the motherboard on this device. Make sure the battery is removed before beginning.

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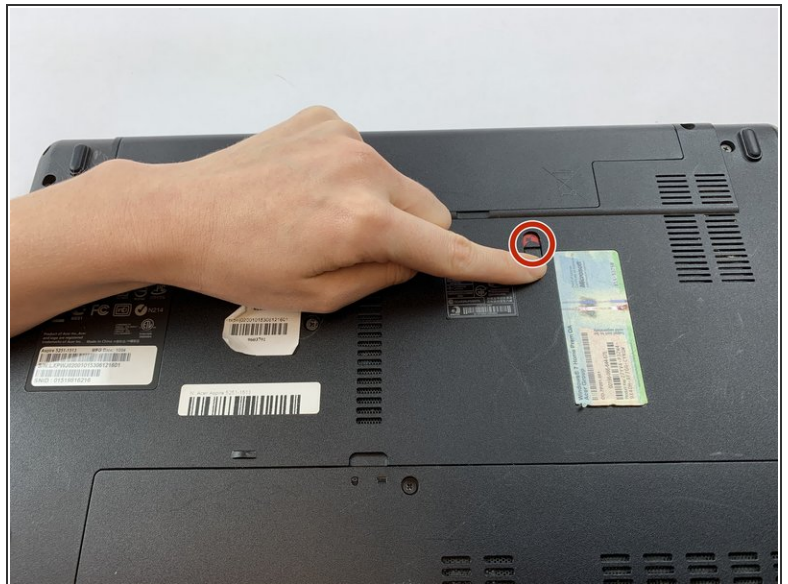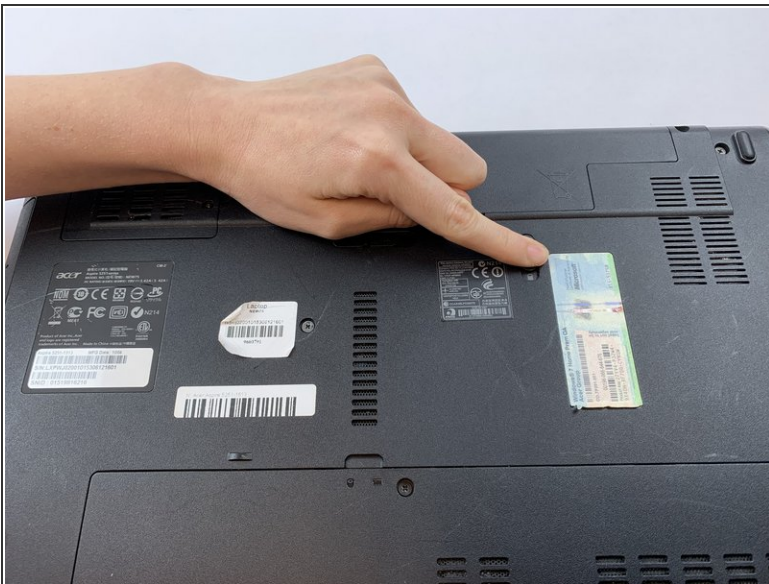
- Tweezers (1)
- iFixit Opening Tools (1)
- Phillips #0 Screwdriver (1)
- Phillips #00 Screwdriver (1)

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Step 1 — Battery

- Turn over the laptop so the back is facing up.

Step 2

- Next to the battery is a switch with a lock symbol on it.

- Unlock the switch by sliding it to reveal a red unlock symbol.
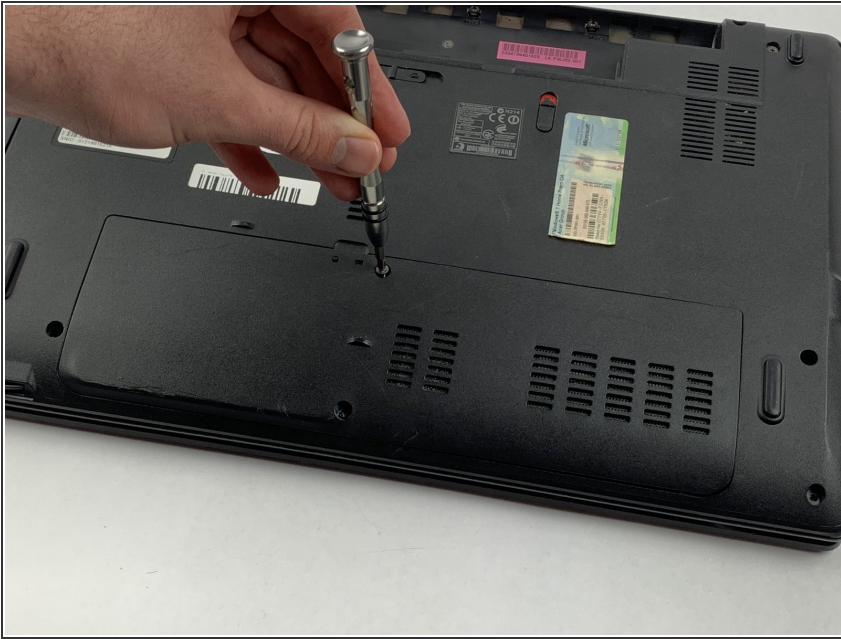
Step 3

- Pull the other switch completely while the red unlock symbol is still present. The battery pack should pop up a bit.
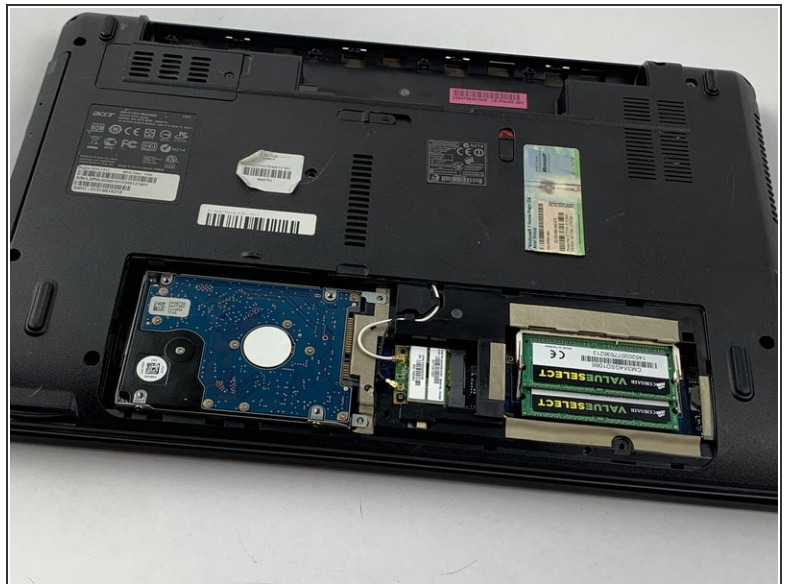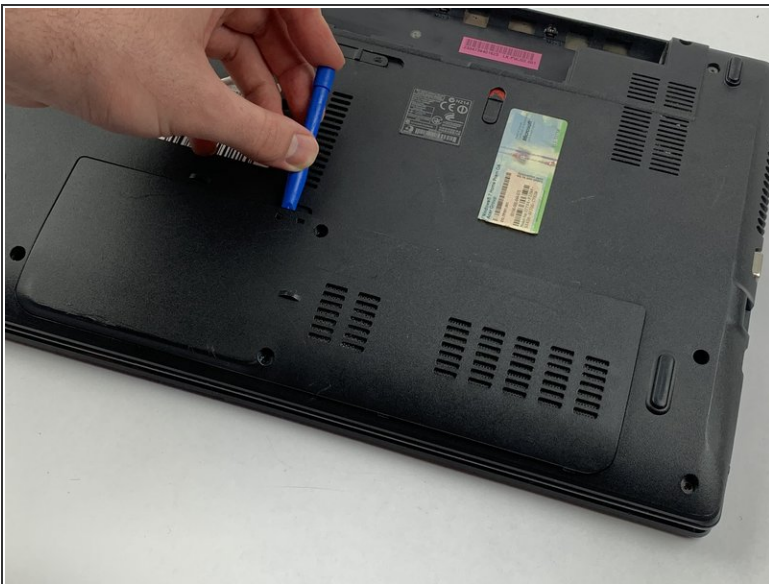
Step 4

- Remove the battery pack via the indentation at the top of the battery in between the two switches.

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Step 5 — Motherboard

● Unscrew the 8.6 mm screws on the back panel with a Phillips #0 screwdriver.
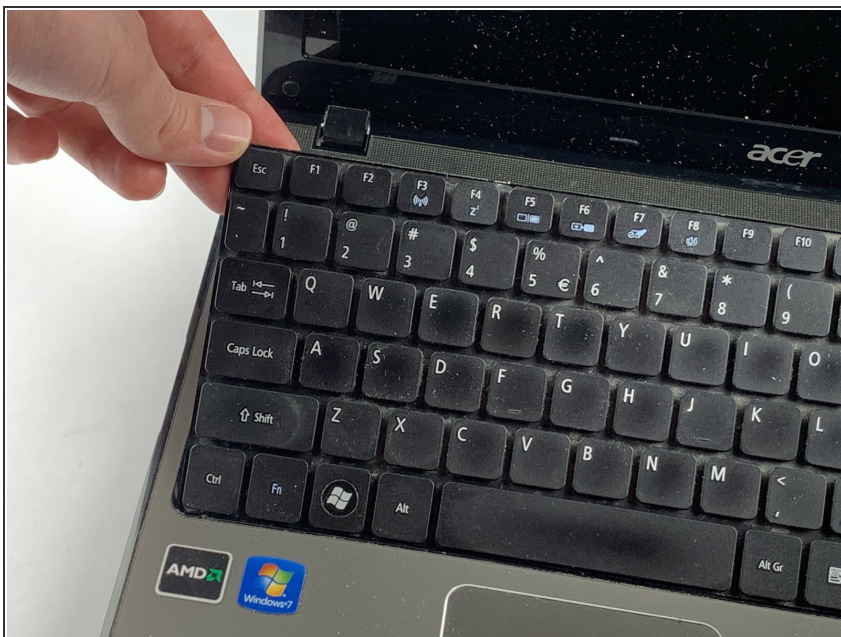
Step 6

● Using a plastic opening tool, lift up the panel and remove it completely.

Step 7

- Flip the laptop over as shown.

- Locate the six tabs keeping the keyboard in place.

- ⓘ The tabs are hard to see because they are in-between the keys and the top cover but if you look close, there are black tabs you can push in so they are invisible.

Step 8

- Pull on the edge of the keyboard using a spudger or your hands.

- As you pull on the keyboard, push the tabs in one by one using small tweezers.

- ⓘ The keyboard may feel like its bending as you pop it out, but don't worry.
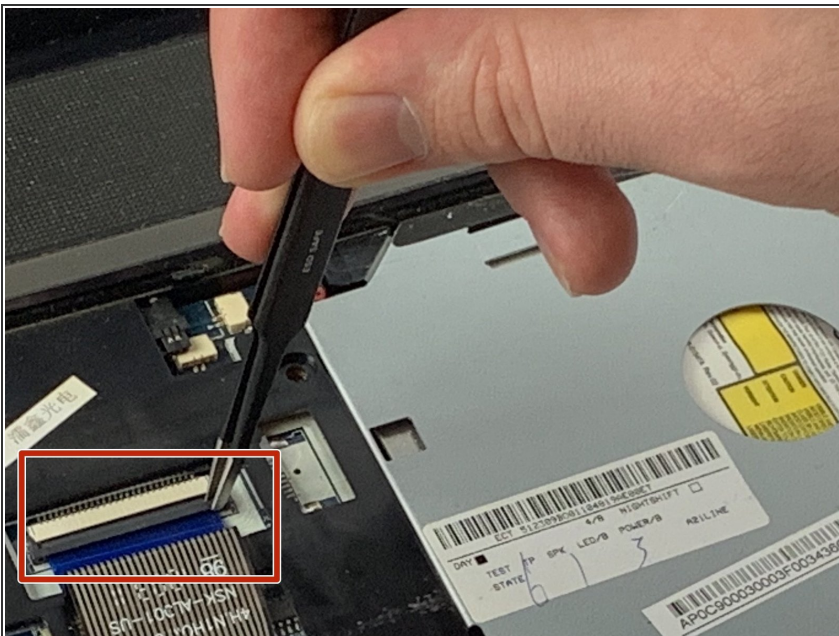
Step 9

- Once you pop it out and its separated, slowly turn it over to reveal its attachment to the connector.

⚠ Do not pull the keyboard out too hard because you risk damaging both the connector and the laptop.

Step 10

- Using tweezers, slide the the tab down. This will release the connector that you can gently pull out of the socket.

⚠ If it does not come out easily, then you did not release it with the tabs and you risk ripping the connector.

Step 11

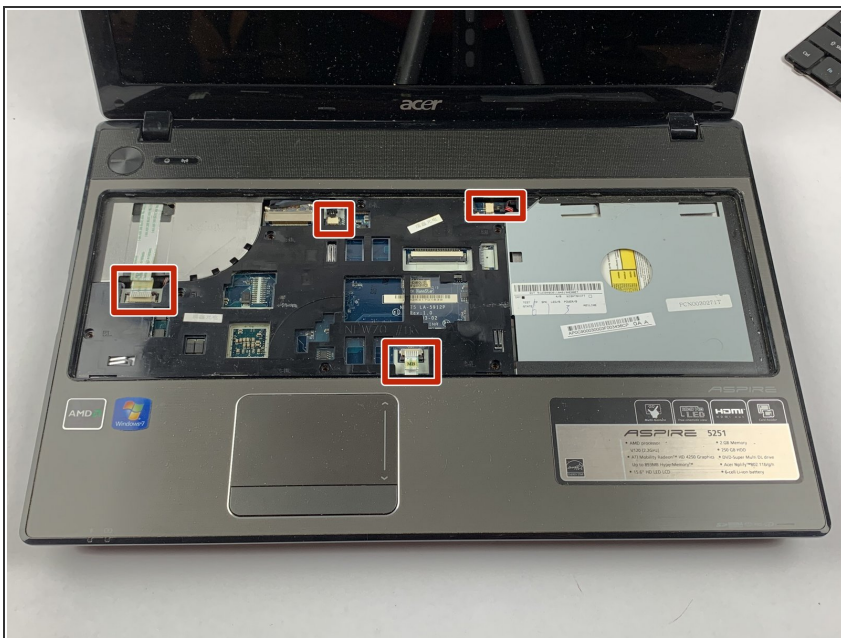- Once freed, remove the keyboard entirely and put it aside.

Step 12

- Flip the computer gently so that the back is facing you.

- Remove all 12 of the 7.6 mm screws on the backside with a Phillips #0 screwdriver.

- Remove 4 of the 5.4 mm screws on the backside with a Phillips #00 screwdriver.

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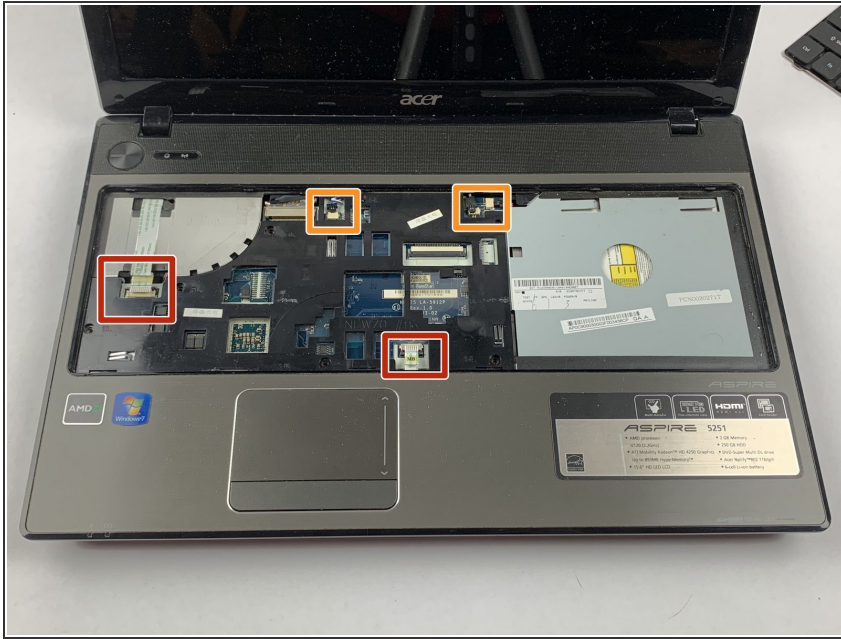
Step 13

- Flip the computer back over.

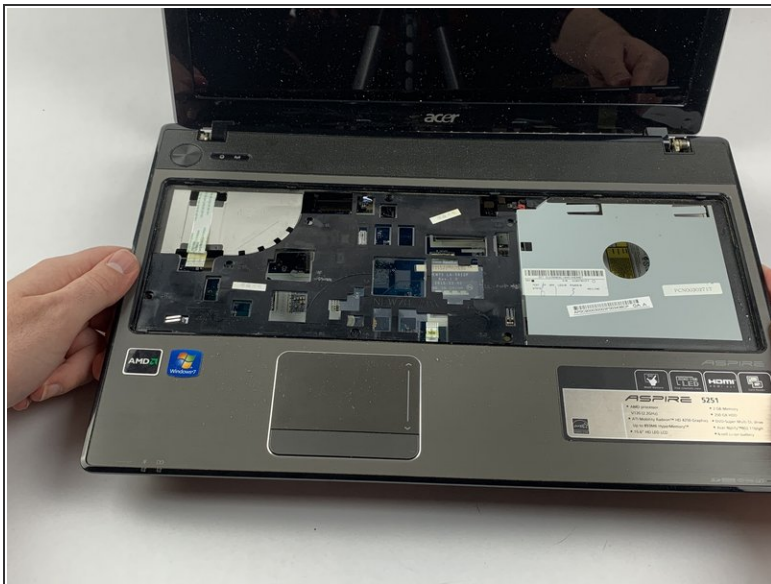- Unscrew the seven 5.6 mm screws located on the top cover using a Phillips #0 screwdriver.

Step 14

- Locate the 4 connectors that must also be disconnected.

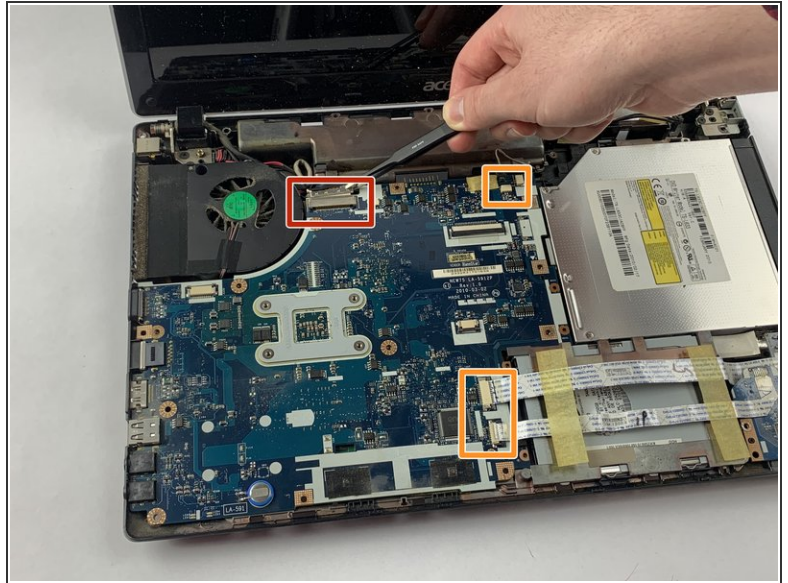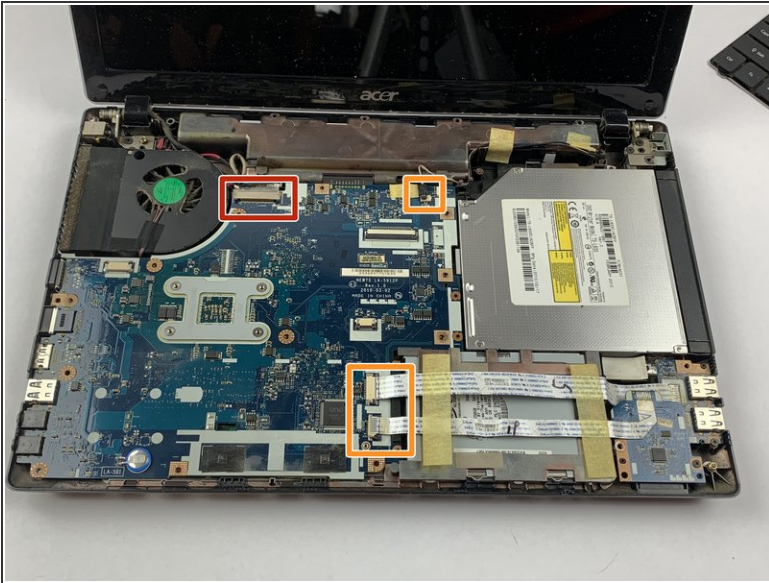This document was generated on 2020-04-04 03:49:48 PM (MST).

Step 15

- Disconnect the connector using tweezers to pull down the brown tabs.

- For the smaller right and left speaker cables, pull out the black tab completely also using tweezers.
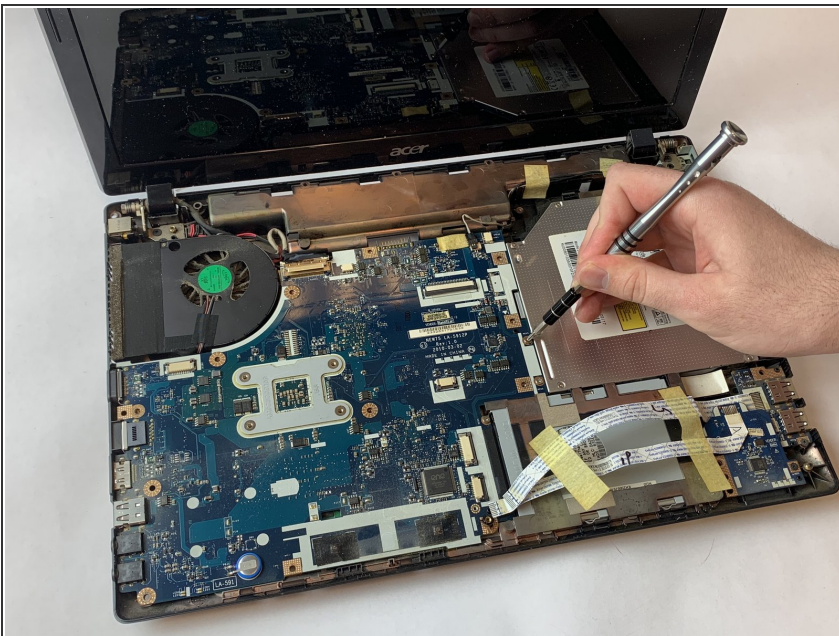
Step 16

- Using a plastic spudger or your hands, carefully lift up the corner of the top panel.

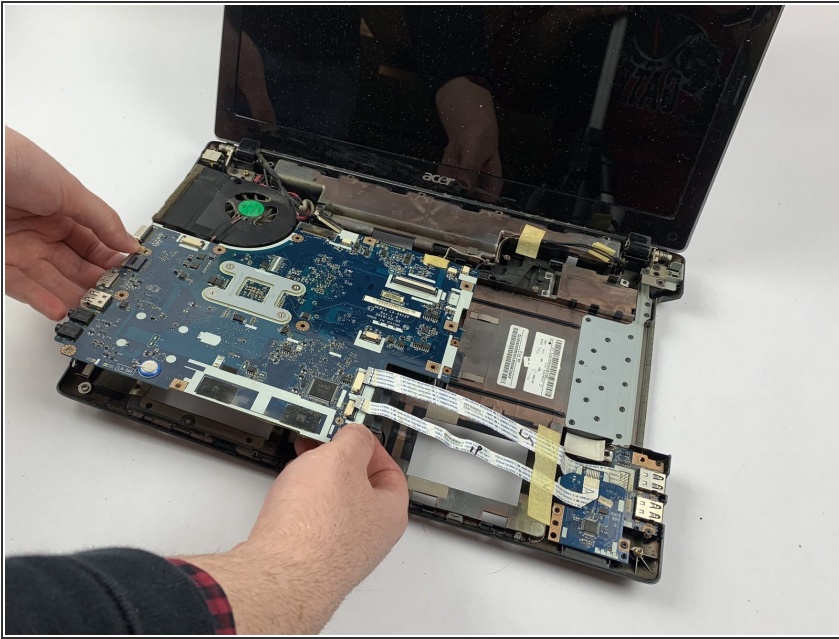- Continue to lift the panel until it is removed completely.

Step 17

- For the video cable connector, use tweezers to pull up on the white tabs to release the connector.

- Remove the remaining connectors using the same technique from previous steps: pull on brown tabs using a tweezer.

Step 18

- Unscrew the 5.6 mm screws keeping the motherboard in place using a Phillips #0 screwdriver.
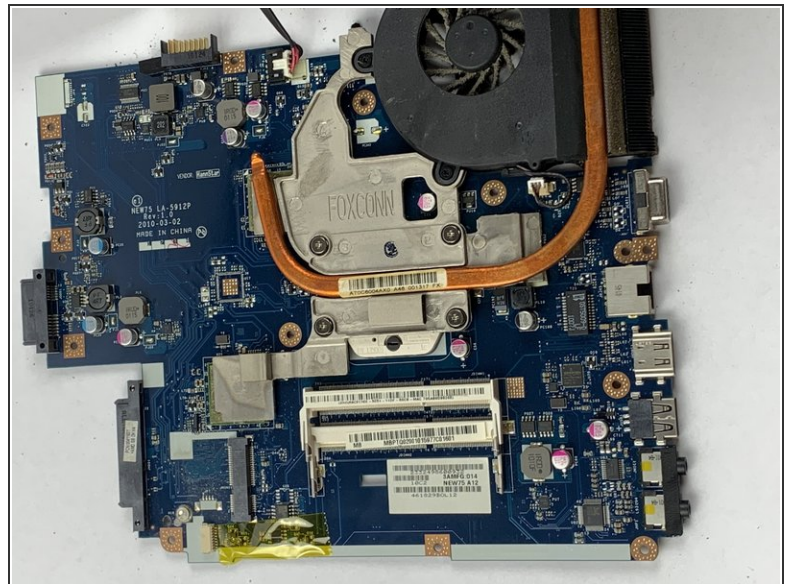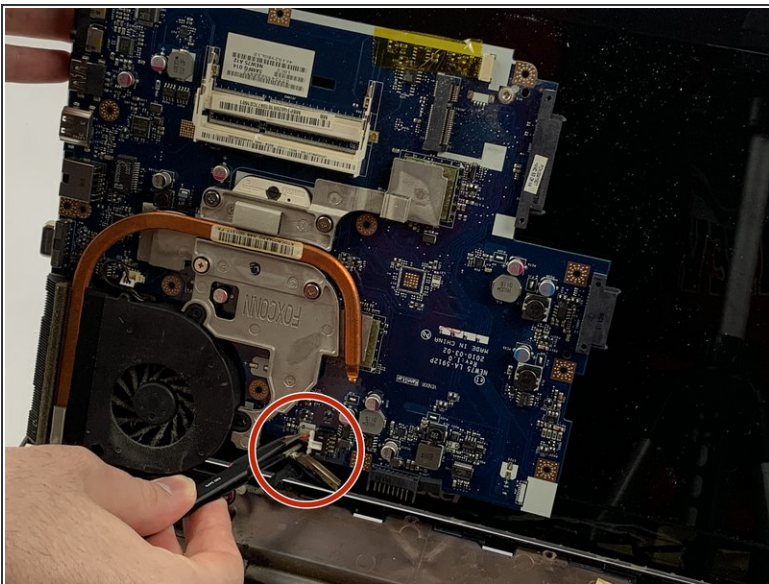
Step 19

- Lift up the motherboard from its base slowly.

- ⚠️ Please be careful because the motherboard is still attached to the computer through a DC Jack cable.

Step 20

- Disconnect the cable attached to the bottom of the motherboard.

- Pull on the brown tab using tweezers until its completely disconnected and remove the motherboard.

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

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