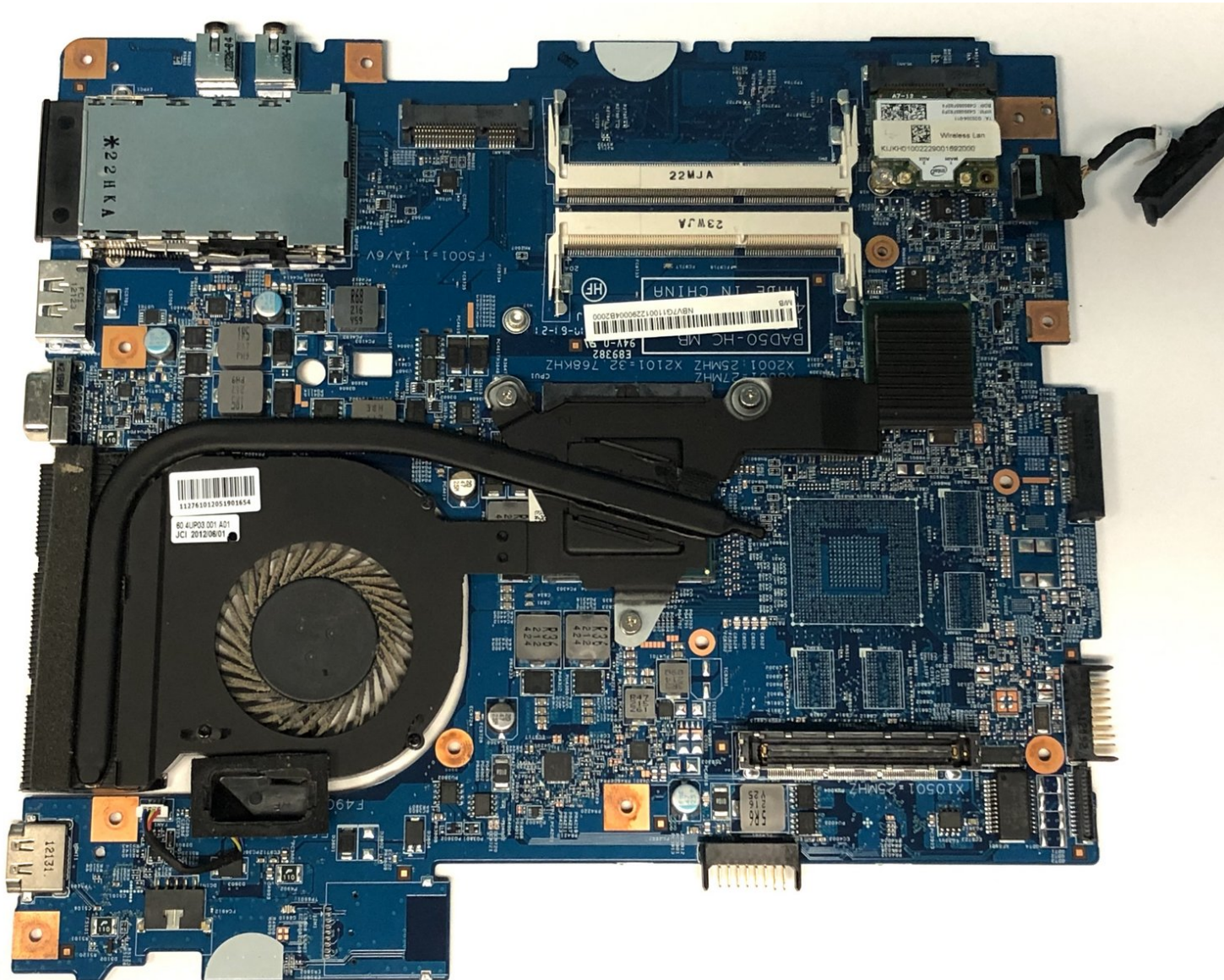




Acer TravelMate P653-V-6882 Mainboard Replacement

Replacement guide for the Acer TravelMate P653-V-6882 mainboard (motherboard).

Written By: Daniel Popovic



INTRODUCTION

Whether your Acer TravelMate P653-V-6882 begins to overheat, you need to access the I/O ports, or replace the LCD module, then you must remove the mainboard, also known as the motherboard.

Here is a guide on how to access the TravelMate's mainboard (motherboard), where you then can begin to either remove it and fix any issues you are facing with the internals.

TOOLS:

- [Spudger](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
 - [ESD Safe Tweezers Blunt Nose](#) (1)
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Step 1 — Battery Pack



- Turn the computer over so the base is facing up.
- Slide the battery lock to unlock position.

Step 2



- Slide the battery release latch to the right.
- ⓘ The battery pack will pop out.

Step 3



- Lift the battery up.
- Pull out the battery.

Step 4 — ODD Module



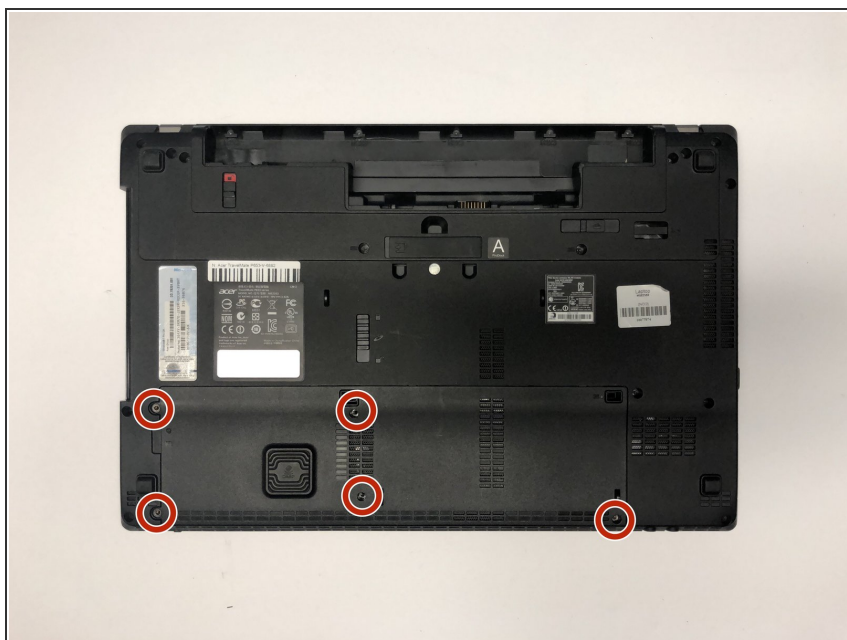
- Slide the ODD module latch down.
- ⓘ The ODD module will pop out.

Step 5



- Remove the ODD module.

Step 6 — Base Door



- Remove the five 7mm Phillips #1 screws.

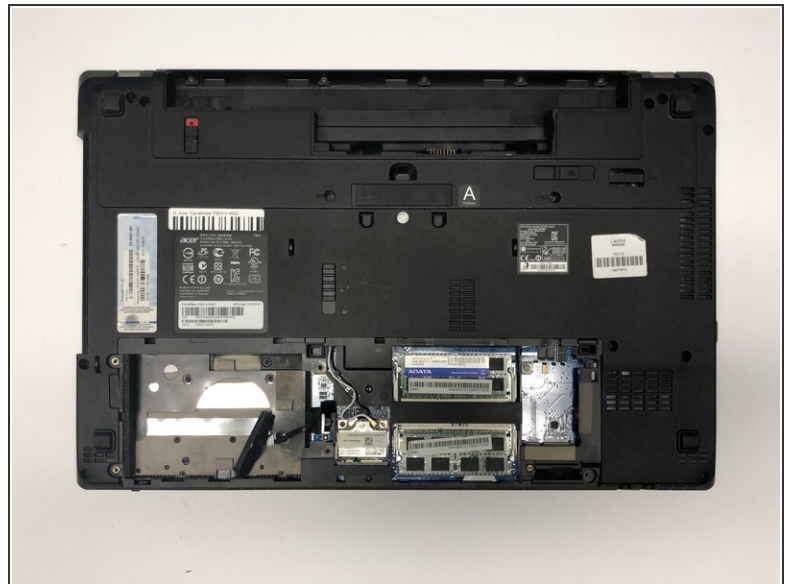
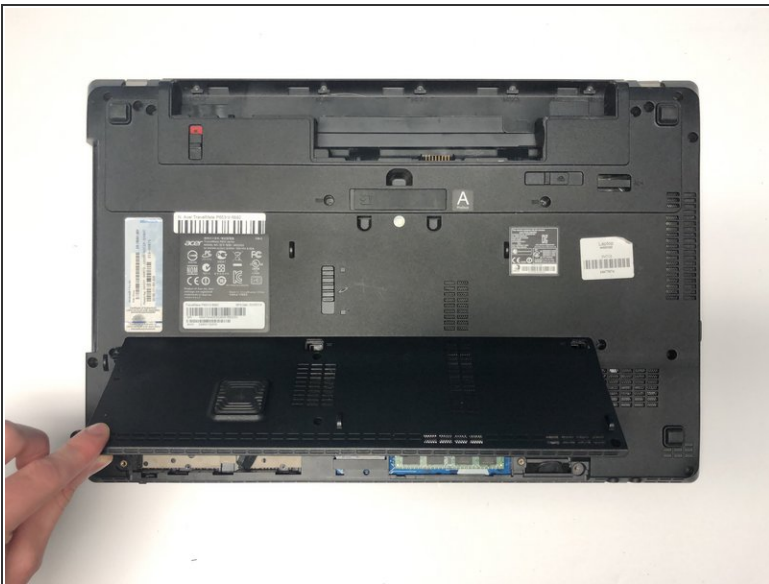
Step 7



- Use the opening tool to separate base door from the bottom of the laptop.

⚠ Be careful not to bend or crack the plastic back cover.

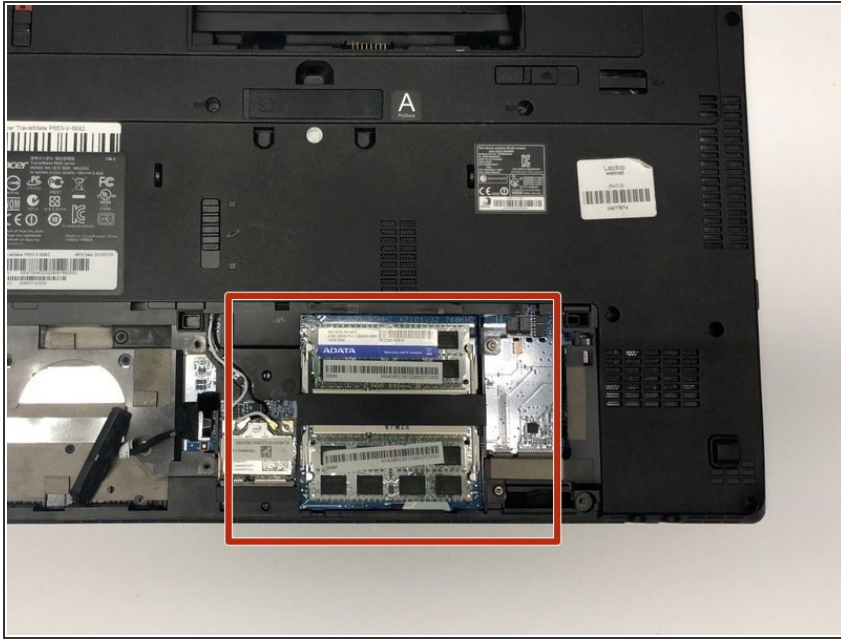
Step 8



- Gently pry open the base door by pushing up.
- Pull out the base door.

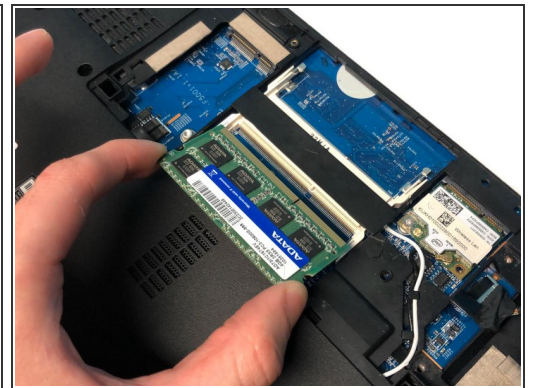
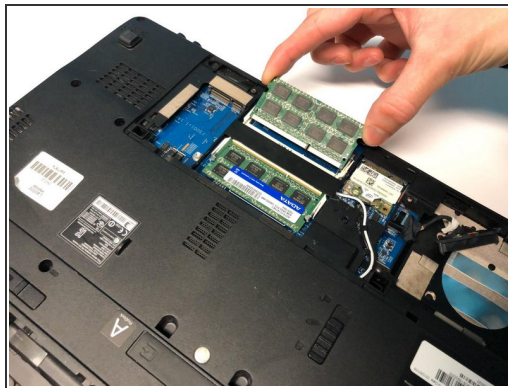
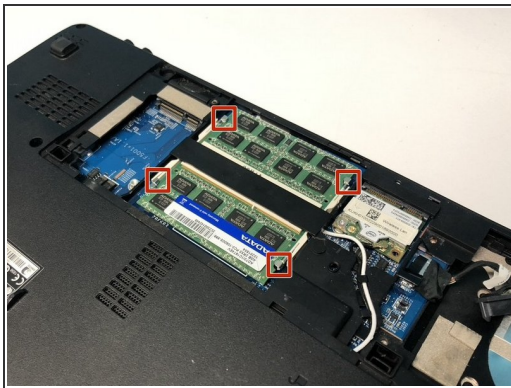
⚠ Be careful not to bend or crack the plastic back cover.

Step 9 — RAM



- Locate the two RAM sticks on the bottom of the laptop.

Step 10



- Pinch the two metal pieces holding the RAM sticks in place outwards.
 - Holding the sides of the RAM, slide the RAM sticks out.
- ⚠ Be careful not to touch the gold connection pins on the RAM sticks, as this could damage the RAM

Step 11 — Keyboard



- Remove the two 7mm Phillips #1 screws.

Step 12



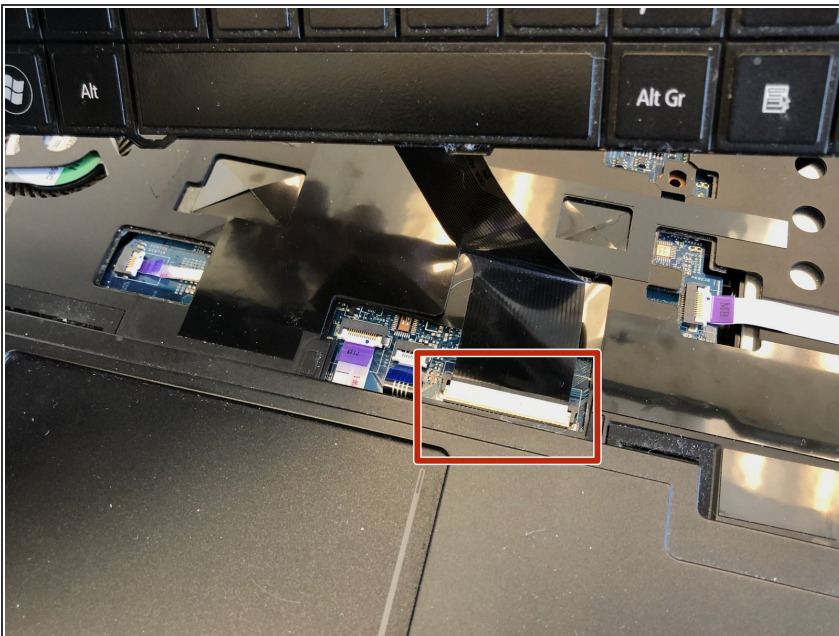
- Flip the laptop so that the underside is now facing the bottom.
- Open the LCD panel.
- Use the flat end of a spudger to push in the six latches.
- ⚠ Be careful not to bend or crack the keyboard.

Step 13



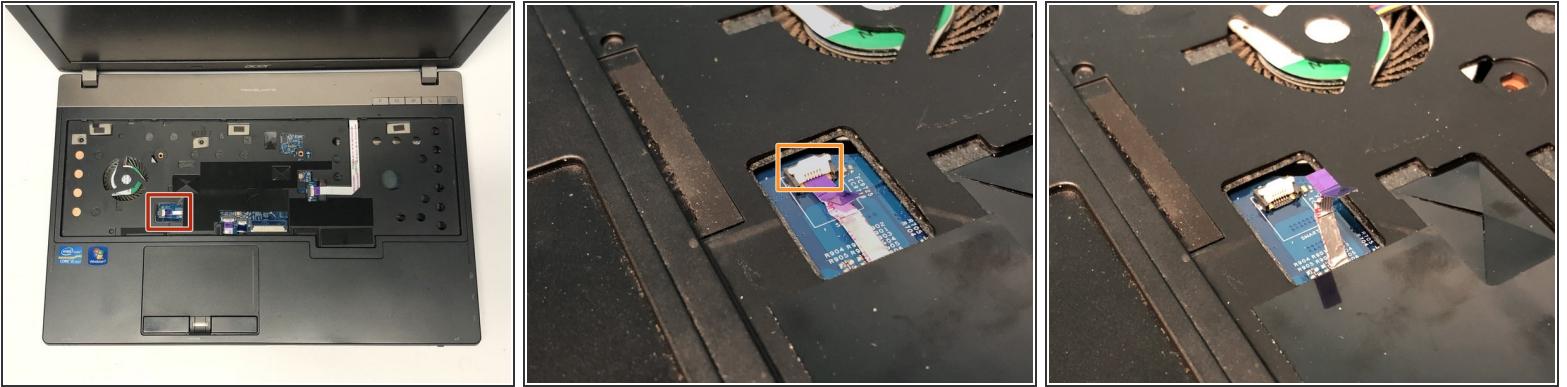
- When the latches are pushed in, the keyboard will pop out.
- Gently pry up the keyboard.
- ⚠ Be careful not to bend or crack the keyboard.

Step 14



- Slide the keyboard forward to access the keyboard cable.
- Flip the connector latch up to open it.
- Pull out the keyboard cable gently.
- ⚠ Be careful not to damage the connector.

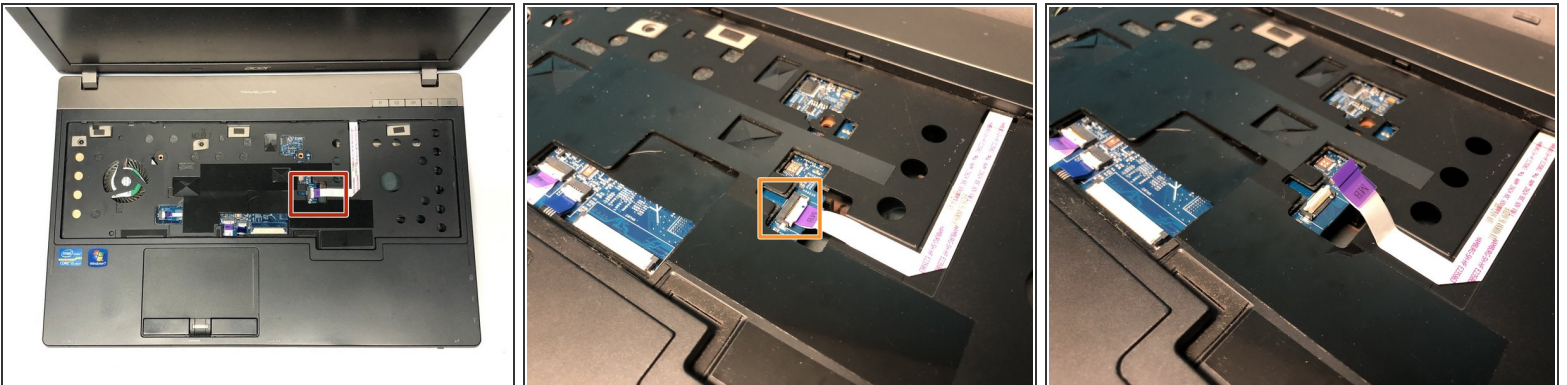
Step 15 — Mainboard



- Turn the computer over, open the LCD panel, and find the smart card cable connector.
- Open the smart card cable connector latch.
- Disconnect the cable.

⚠ Be careful not to damage the connector.

Step 16



- Find the power button launch board cable connector.
- Open the power button launch board cable connector latch.
- Disconnect the cable.

⚠ Be careful not to damage the connector.

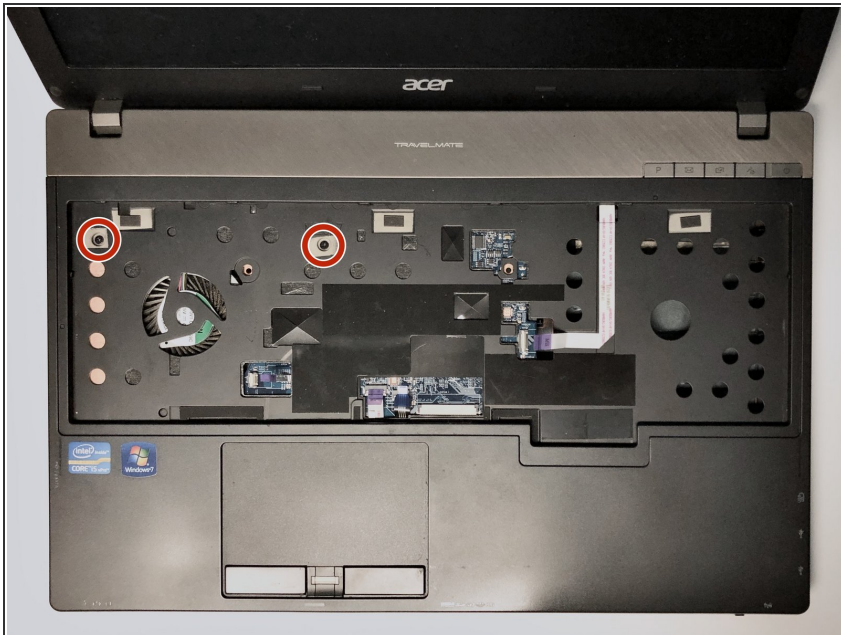
Step 17



- Find the touchpad and fingerprint board cable connector.
- Open the touchpad and fingerprint board cable connector's latches.
- Disconnect the cables.

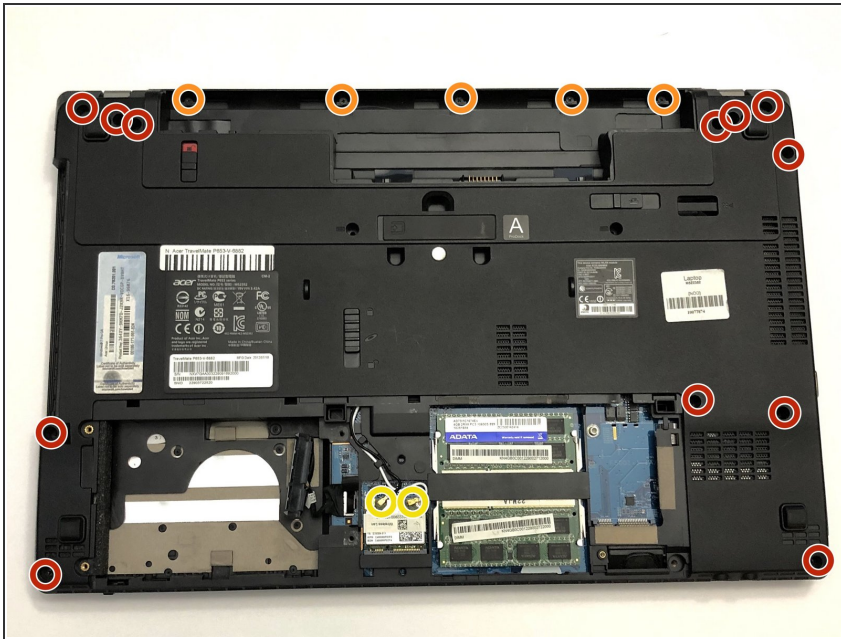
⚠ Be careful not to damage the connector.

Step 18



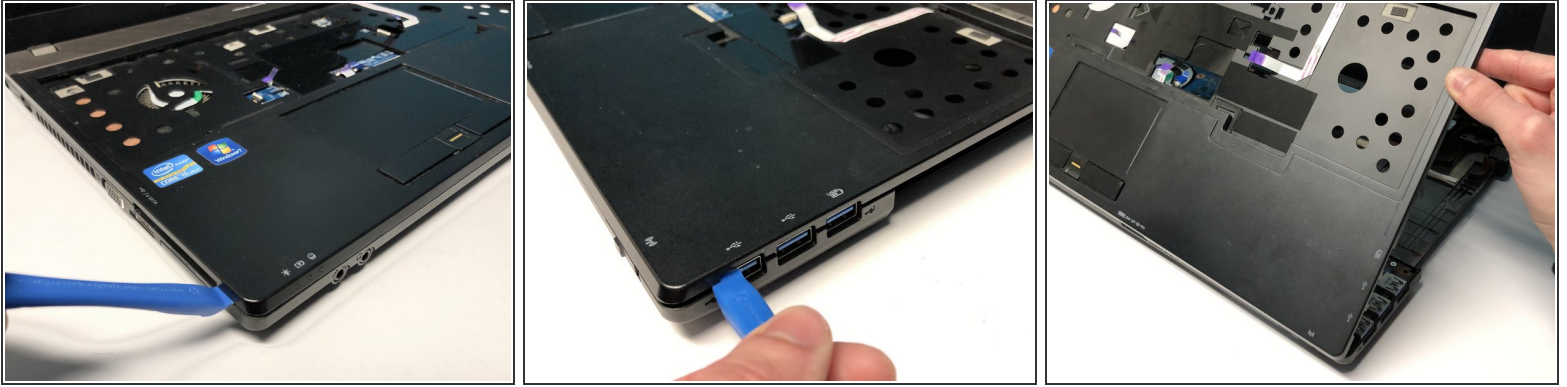
- Using the #1 Phillips screwdriver, remove the two screws.

Step 19



- Flip the laptop over so that the underside is facing up.
- Remove the twelve 7mm Phillips #1 screws.
- Remove the five 3mm Phillips #1 screws.
- Disconnect the cables connecting to the WLAN module.

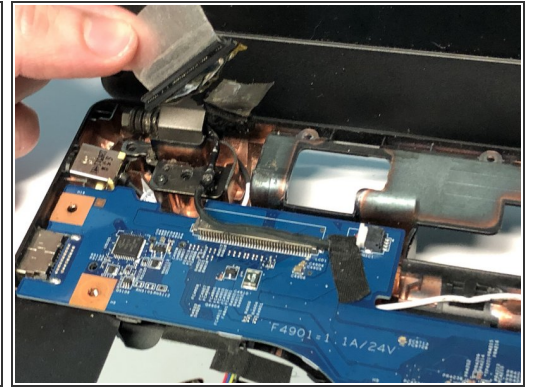
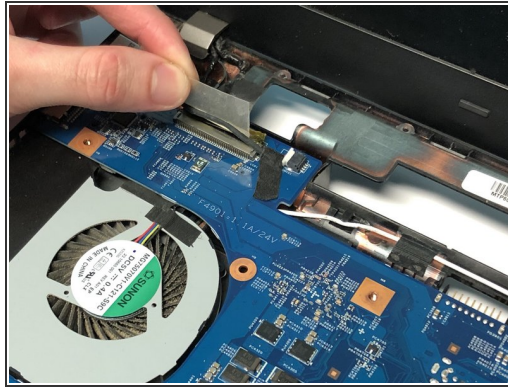
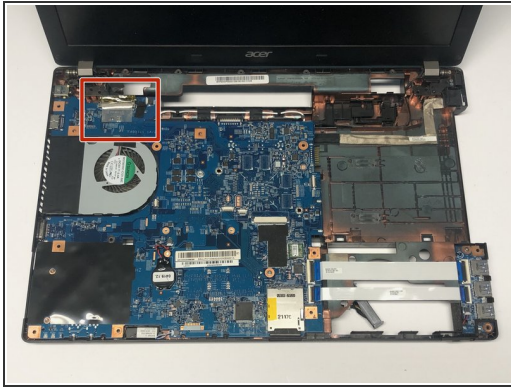
Step 20



- Flip the laptop so that the underside is now facing the bottom.
- Open the LCD panel.
- Locate the small gaps between the upper cover and lower case on the left and right side of the laptop.
- Insert the opening tool into each gap to separate the one from the other.
- Once the upper cover is separated, lift it from the lower case.

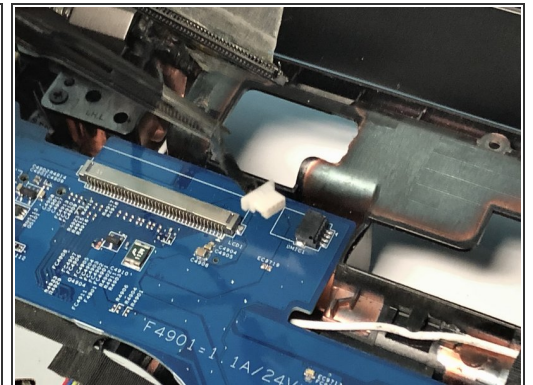
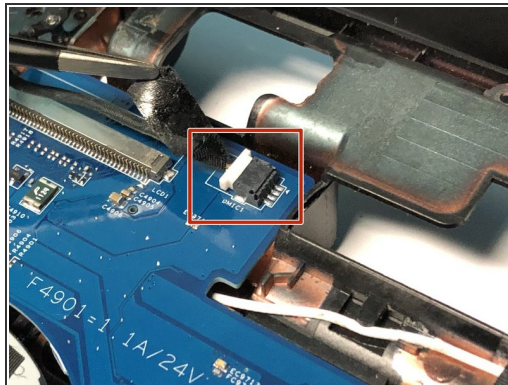
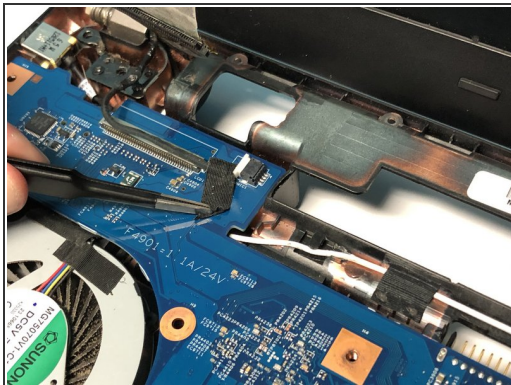
 Be careful not to damage the upper and lower case while removing.

Step 21



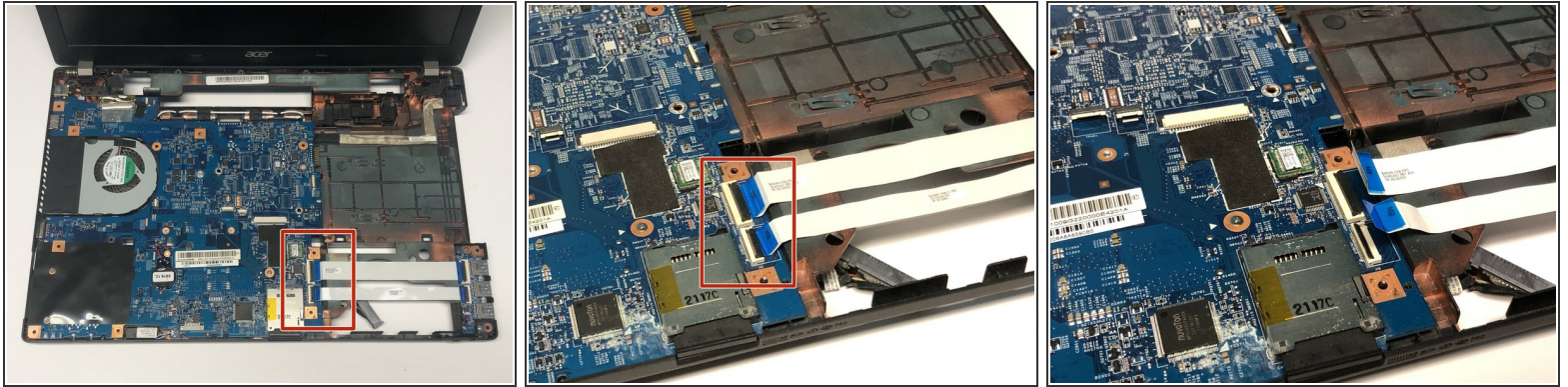
- Detach the transparent tape securing the LCD cable.
 - Disconnect the LCD cable from the mainboard.
- ⚠ Be careful not to damage the LCD cable connector.

Step 22



- Detach the black tape covering the microphone cable.
- Disconnect the microphone cable from the mainboard.

Step 23



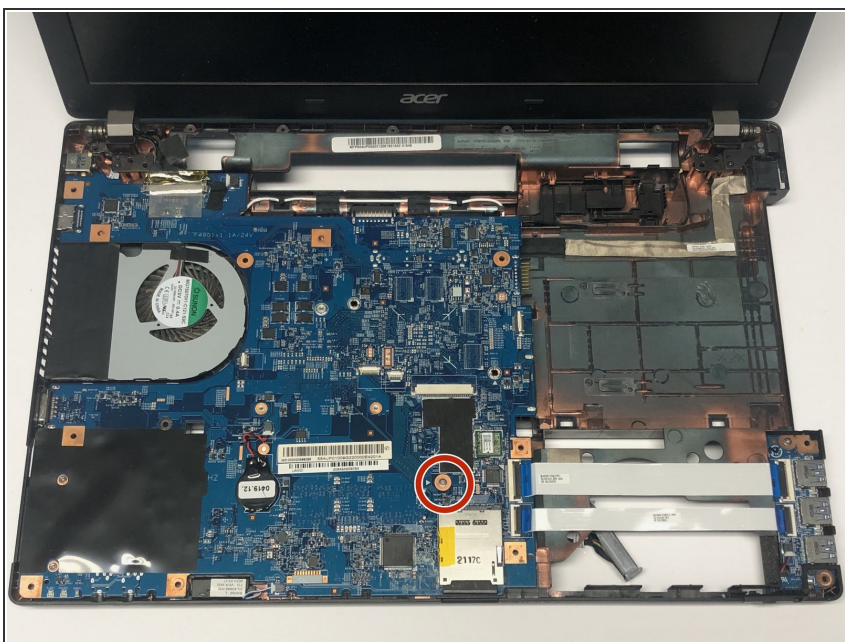
- Open the USB board cable's connector latches.
 - Disconnect the cables.
- ⚠ Be careful not to damage the connectors.

Step 24



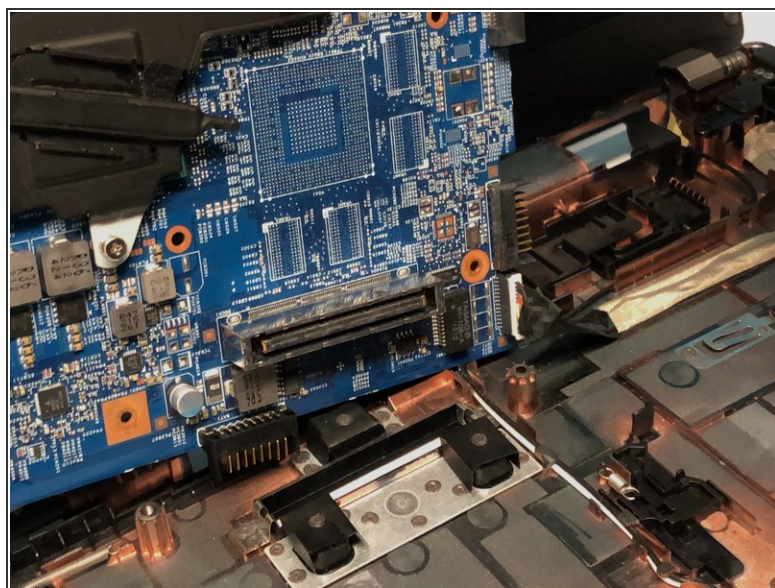
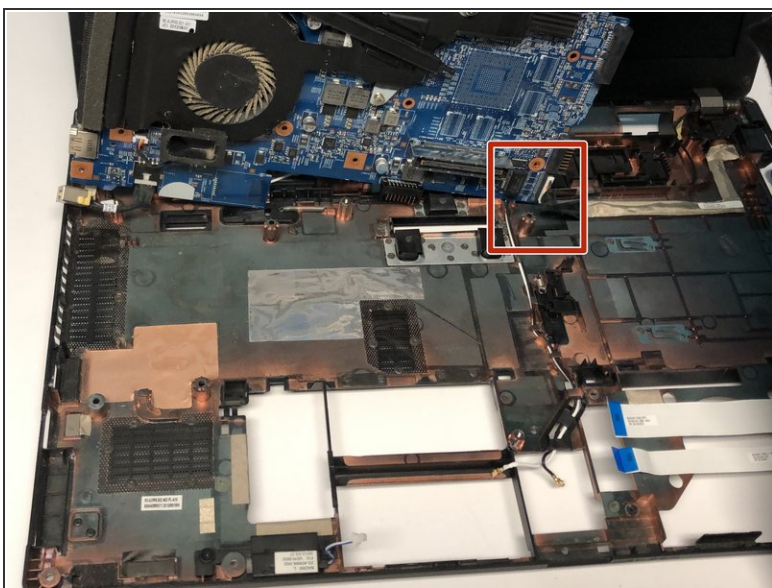
- Disconnect the left speaker cable from the mainboard.

Step 25



- Remove the one 7mm Phillips #1 screw.

Step 26



- Lift the mainboard at an angle and gently turn it on its side.
- Disconnect the LAN cable from the mainboard.

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