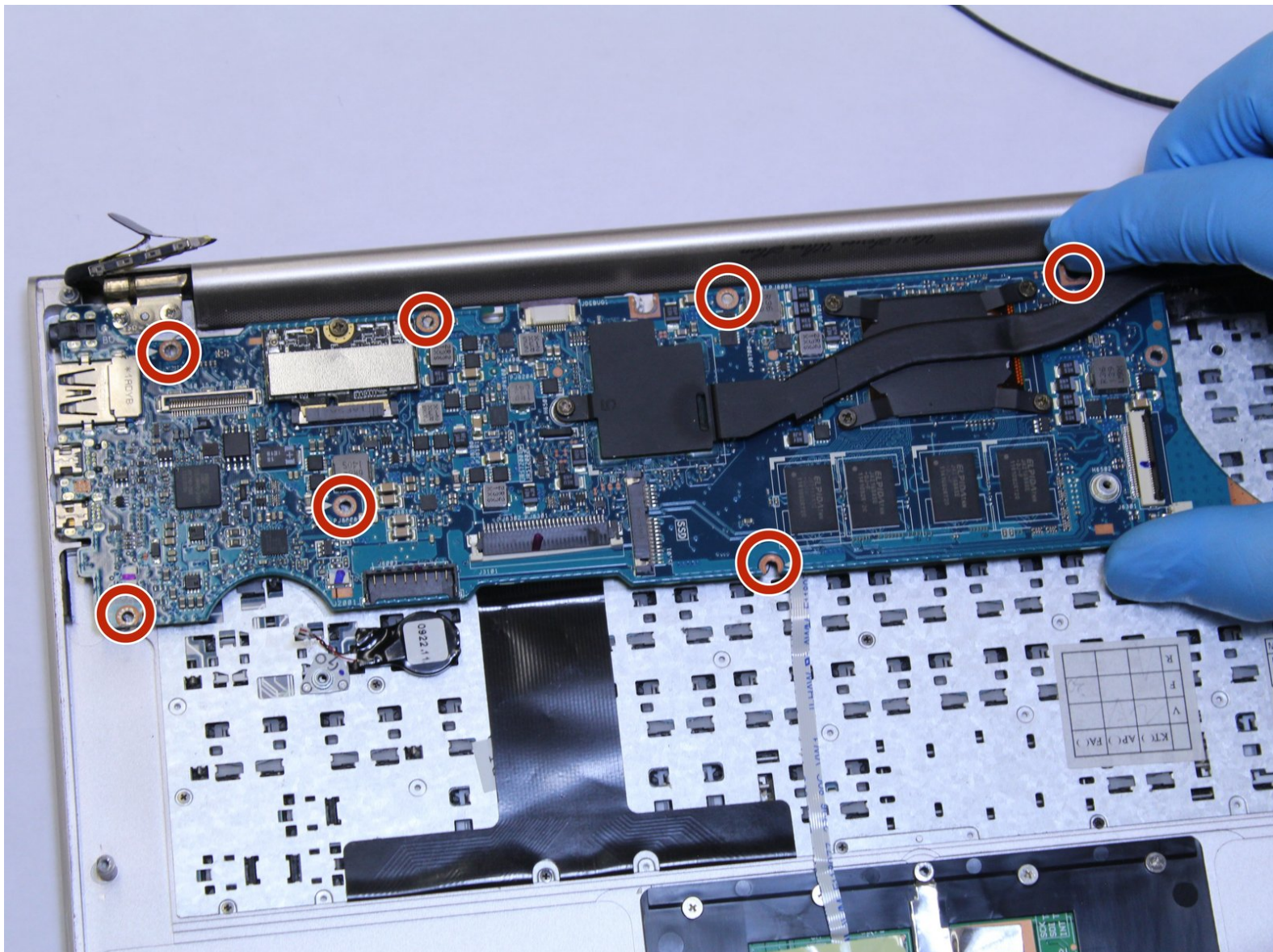




Asus Zenbook UX31E Motherboard Replacement

Use this guide to replace a faulty motherboard...

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INTRODUCTION

Use this guide to replace a faulty motherboard for Asus Zenbook UX31E.

A motherboard is the most important component in the computer and is necessary for the computer to work well. A faulty motherboard can cause the computer to freeze or glitch, or a blue screen of death occurs where a blue background with a sad face “:(“ appear on the screen.

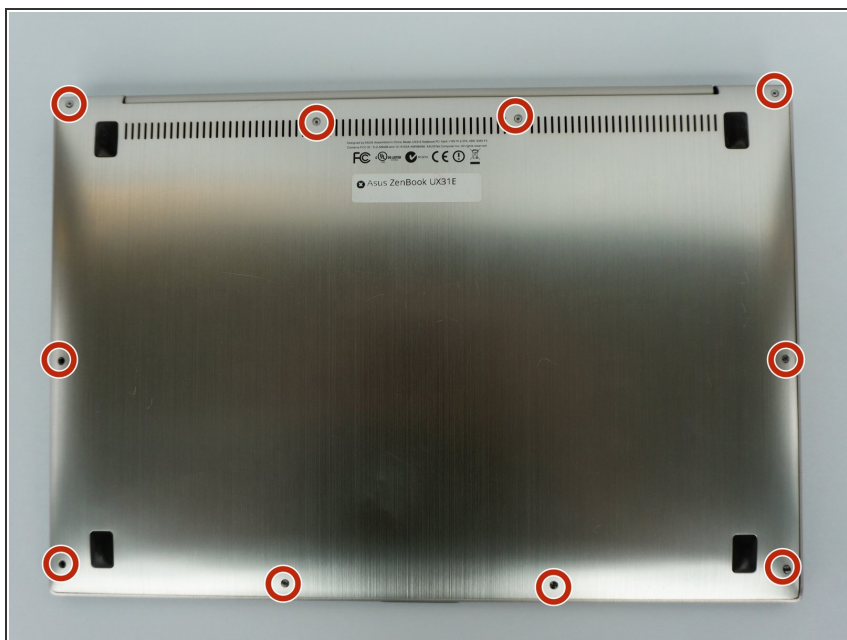
Before starting the repair, make sure to power off your device completely and disconnect from any external power source.



TOOLS:

- [T4 Torx Screwdriver](#) (1)
 - [iFixit Opening Tool](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [Anti-Static Wrist Strap](#) (1)
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Step 1 — Back Cover



- Using a T4 Torx screwdriver, remove the ten screws at the marked locations.
- ❗ Place the screws into a container as to not lose them.

Step 2



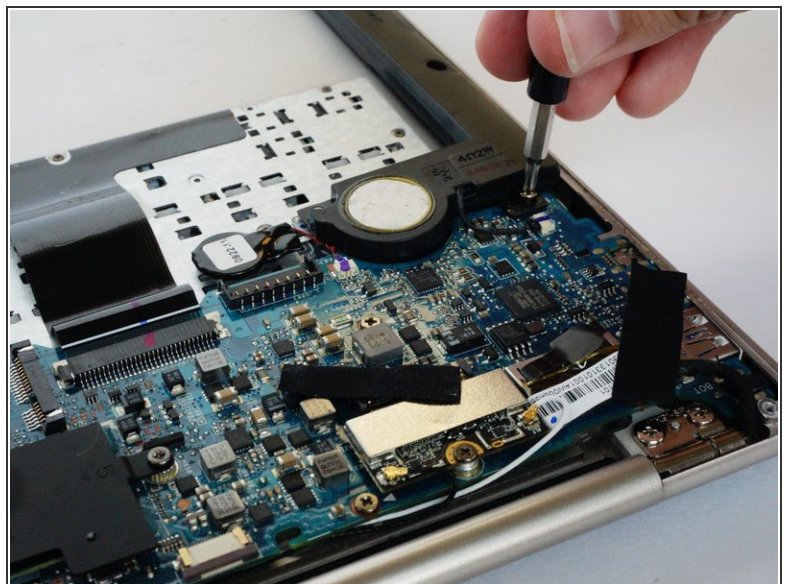
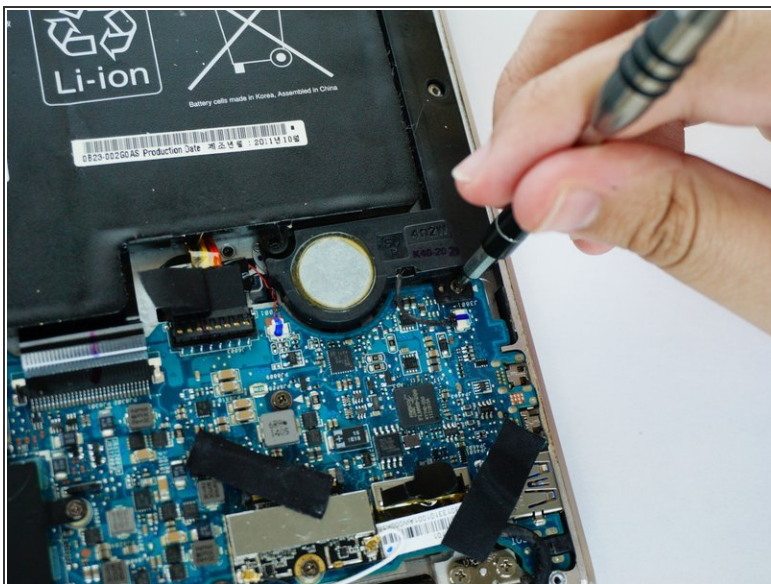
- Carefully slide your iFixit Opening Tool between the back panel.
- Lift the back plate of your ASUS ZenBook UX31E, and place it to the side.

Step 3 — Speaker



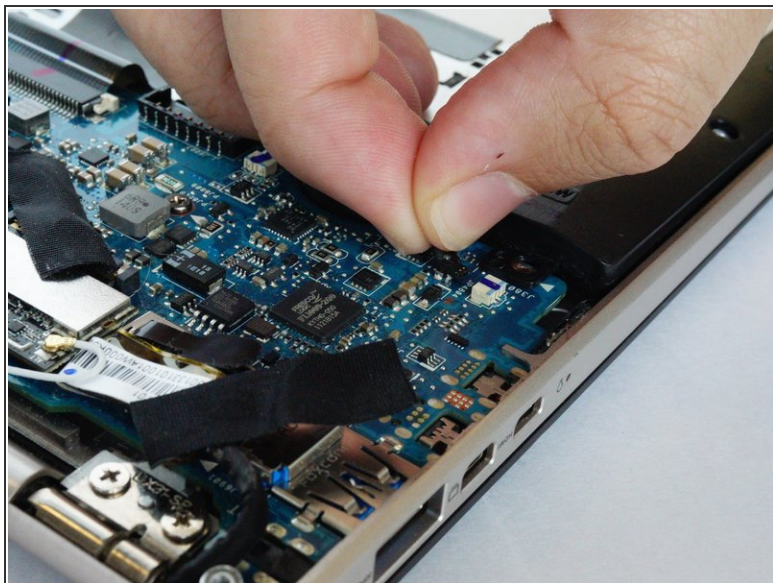
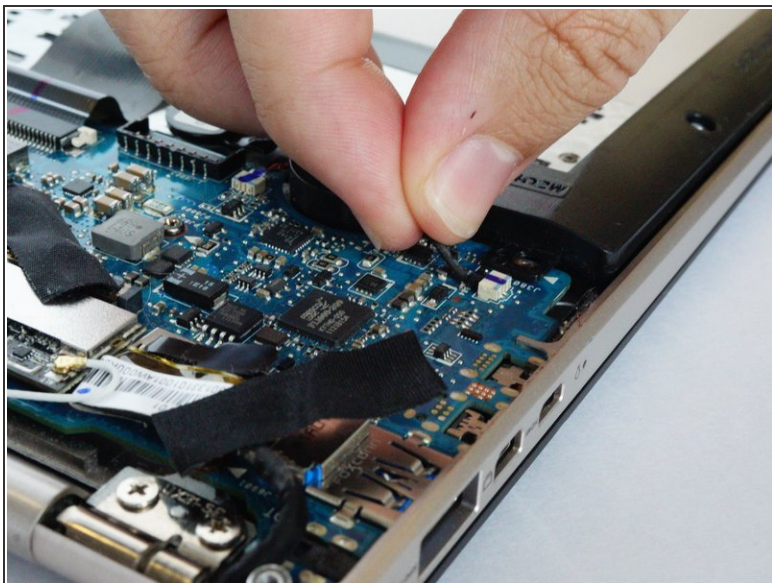
- Use the plastic opening tool to pry open the back cover of the laptop.
- Remove the bottom panel of the laptop.

Step 4



- Remove the screw connecting the speaker component to the motherboard using the screwdriver.

Step 5



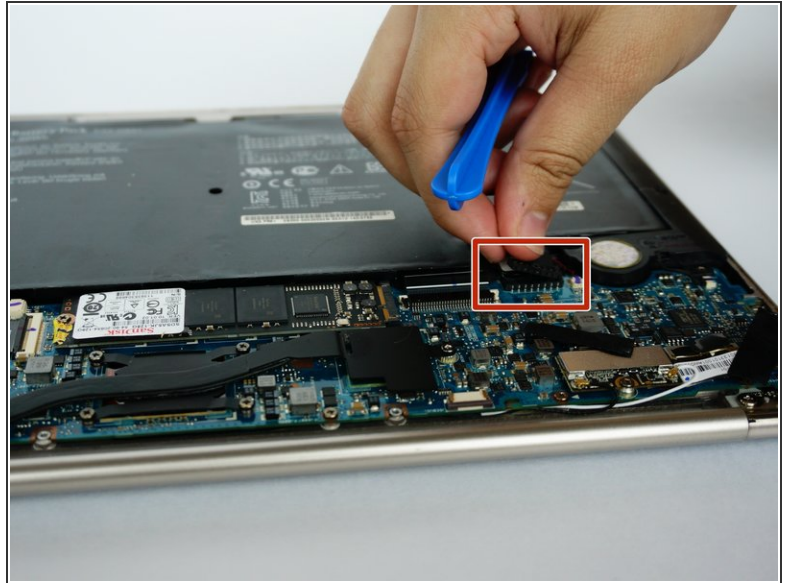
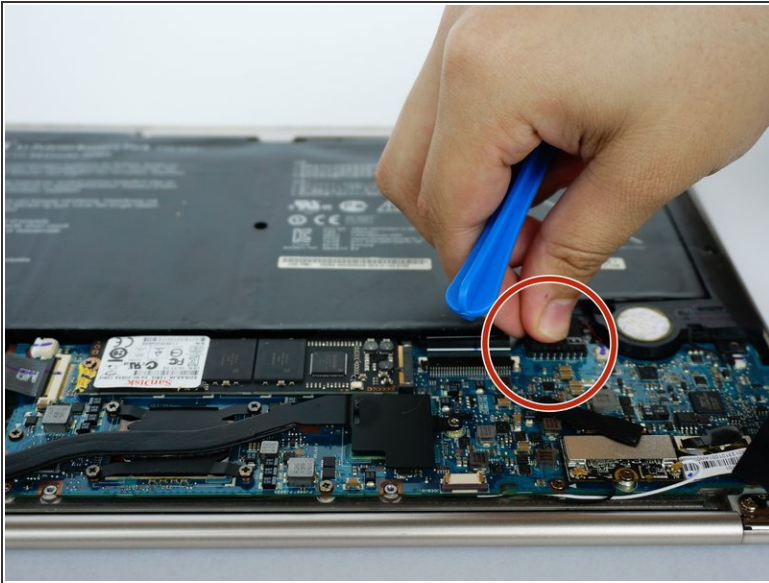
- Disconnect the sound cable from the motherboard.

Step 6



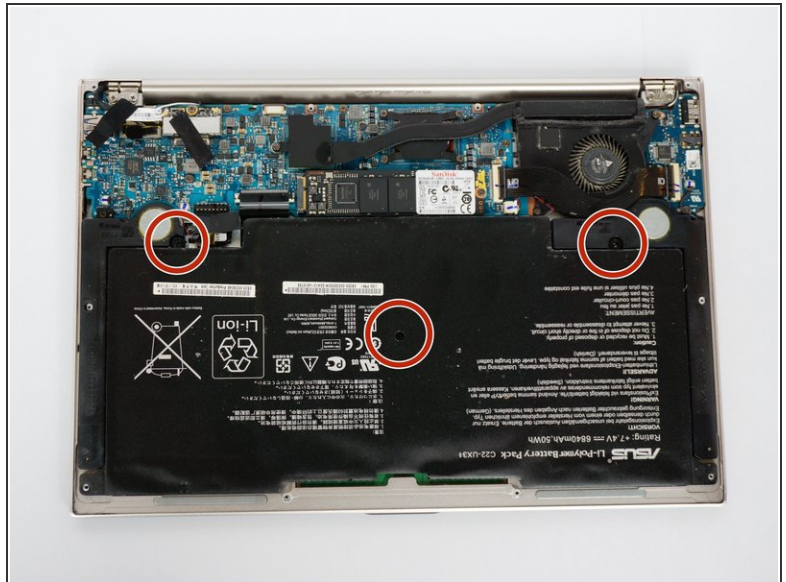
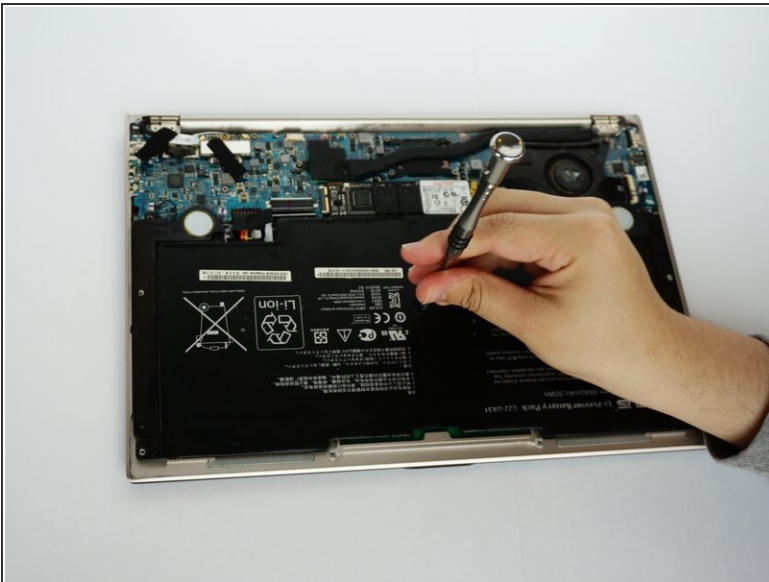
- Using the plastic opening tool, pry open the speaker component from the computer.

Step 7 — Battery



- Disconnect the battery from the motherboard by gently pulling up and down on the connector.

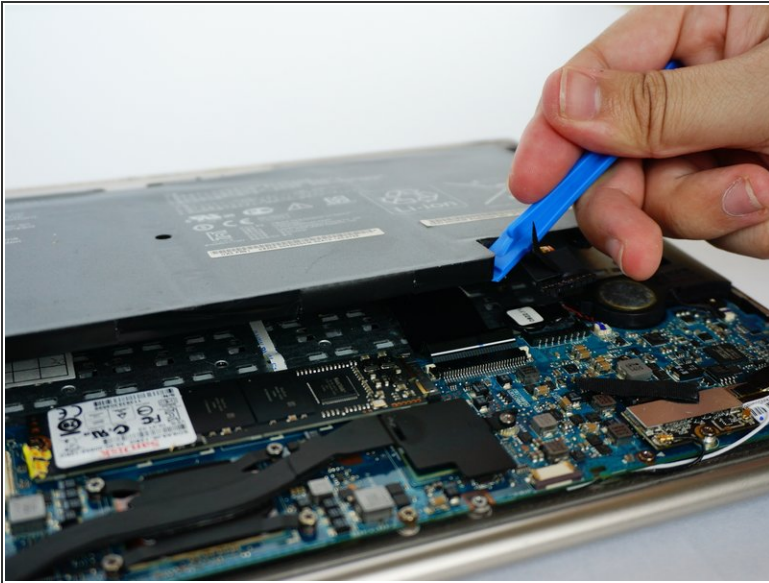
Step 8



- Using the Phillips #00 screwdriver, remove the screws from the middle and the two corners of the battery.

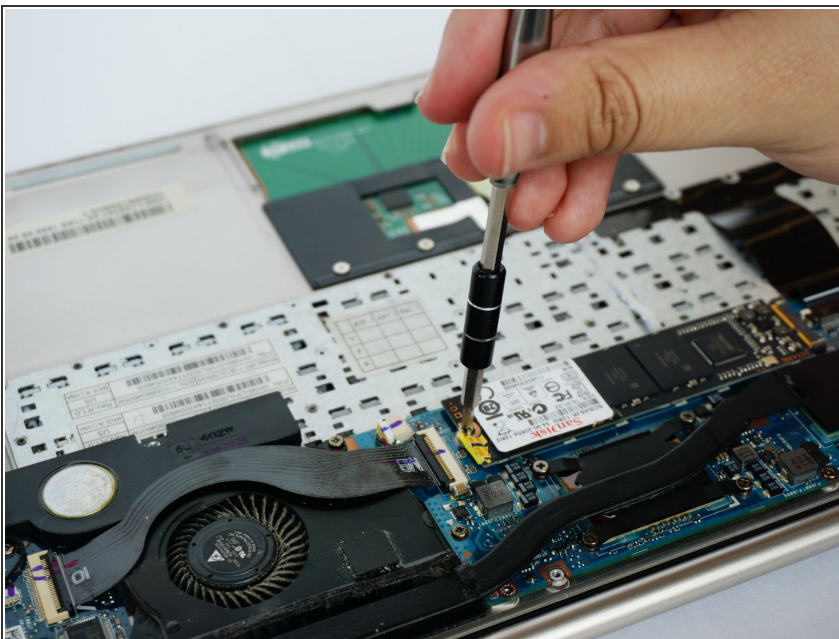
- ① Place the screws into a container as to not lose them.

Step 9



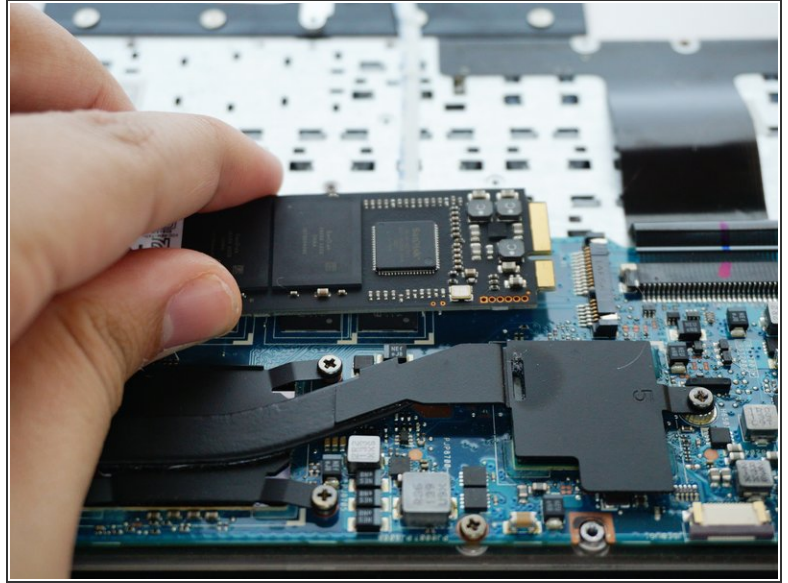
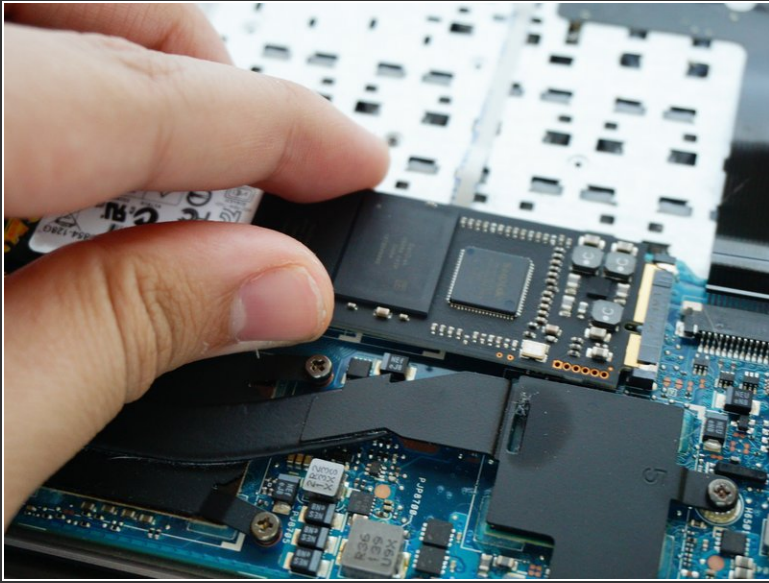
- Remove the battery. (Picture-1)
- Picture of what the battery looks like.(Picture-2)

Step 10 — SSD



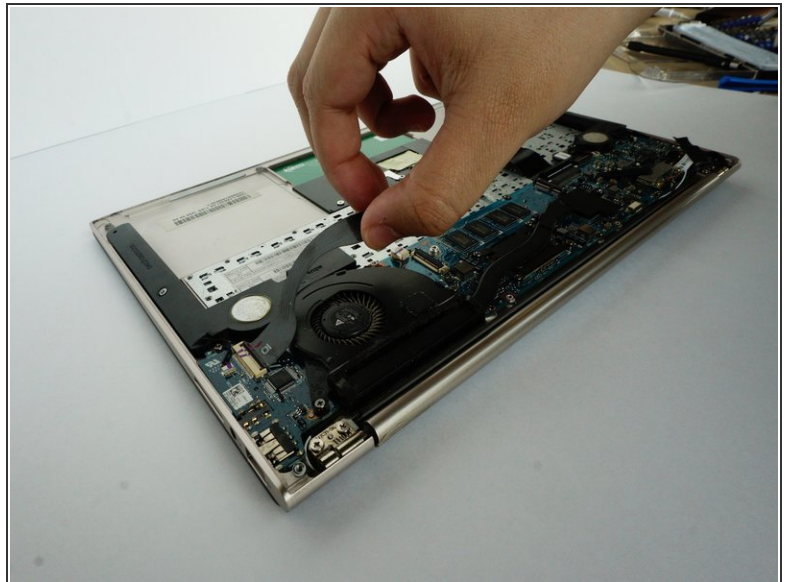
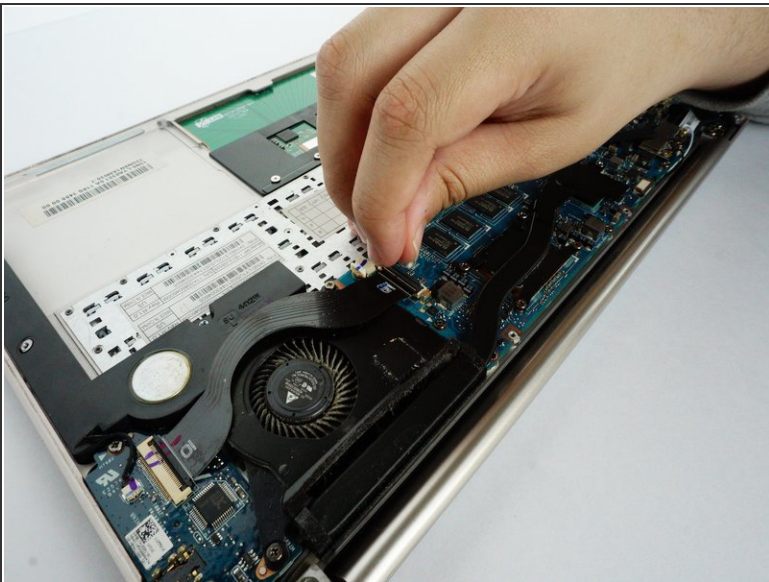
- ☒ Attach your Anti-Static Wrist Wrap to something metal as to not shock your system.
- Peel back the warranty sticker to reveal the screw under it.
- Using your Phillips #00 Precision Screwdriver, unscrew the screw that you just revealed.

Step 11



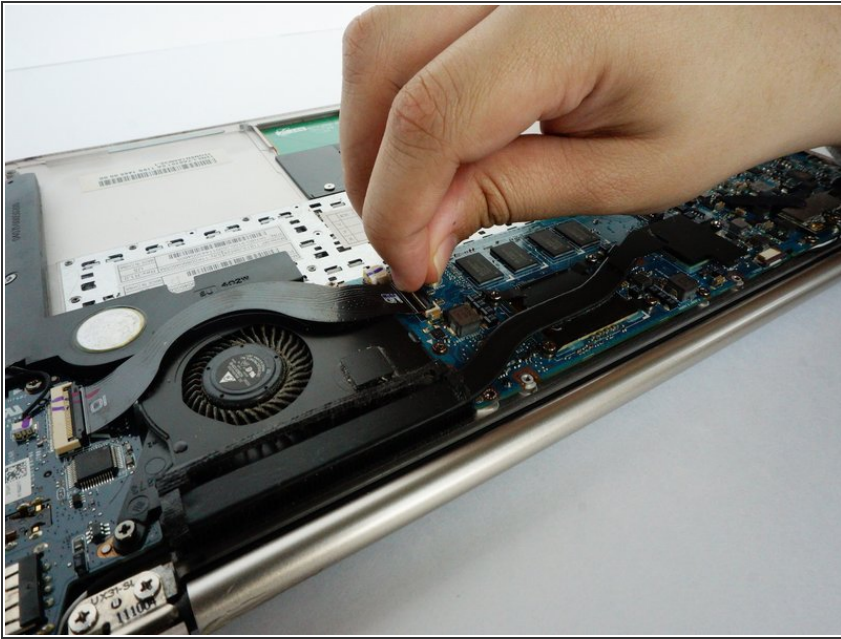
- Using your hand, pull the SSD out from its slot.

Step 12 — Fan



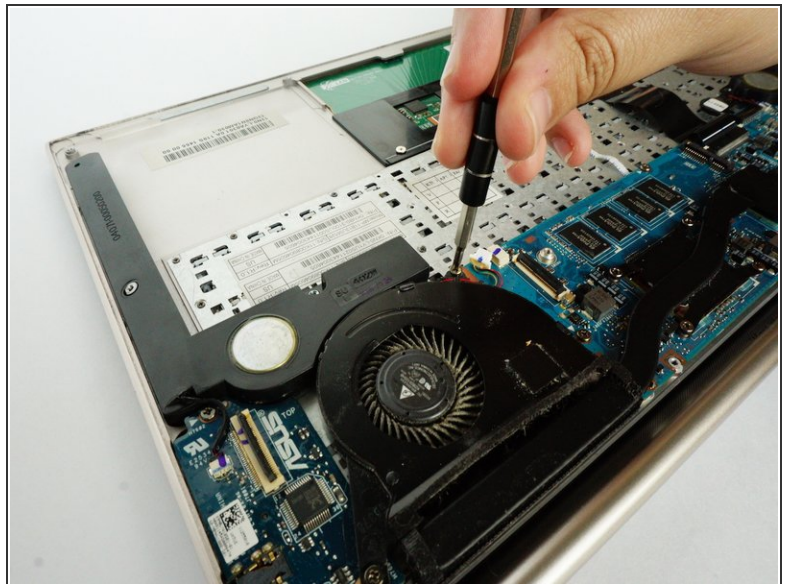
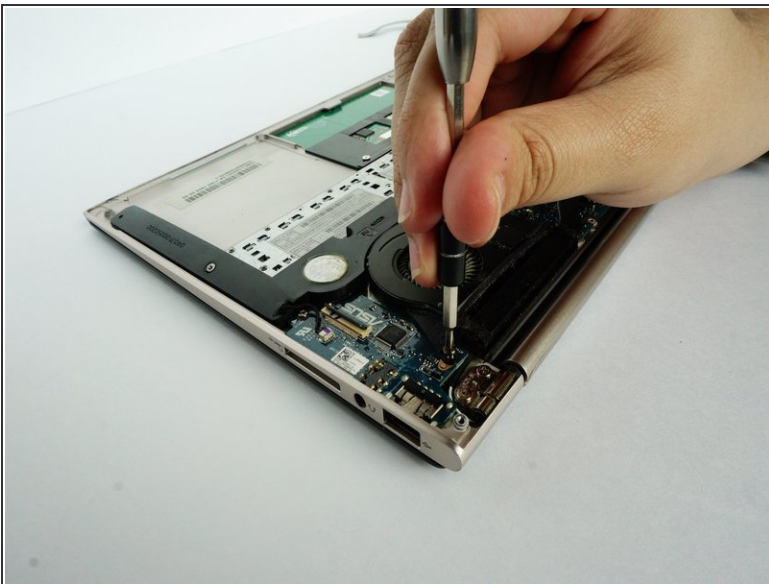
- Disconnect the ribbon between the IO and the motherboard on both sides.

Step 13



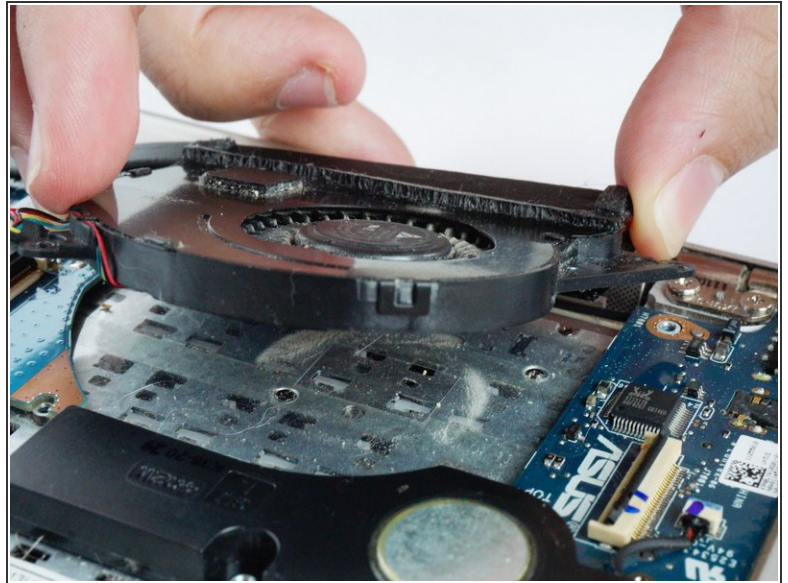
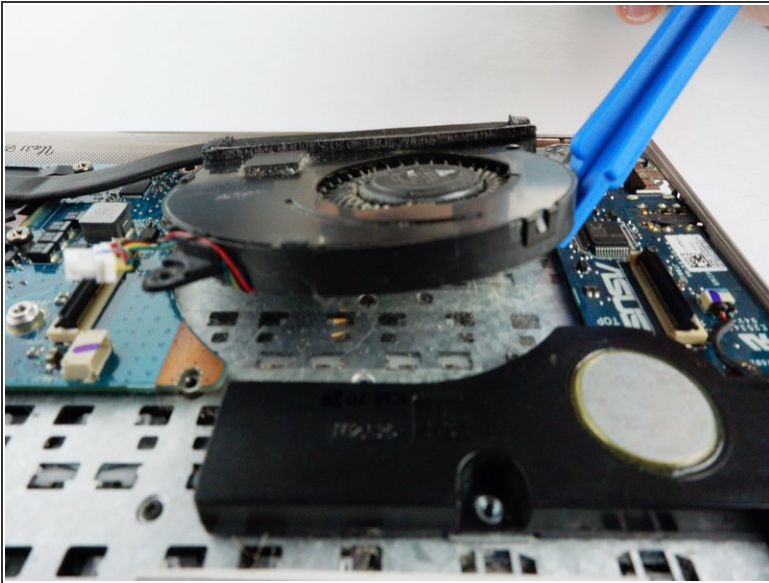
- Disconnect the fan connector from the motherboard.
- Pull up the clips on the ribbon connectors.

Step 14



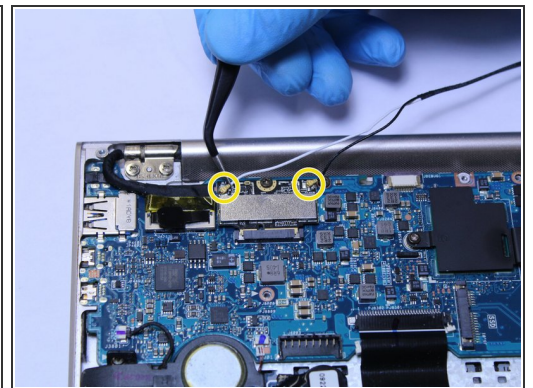
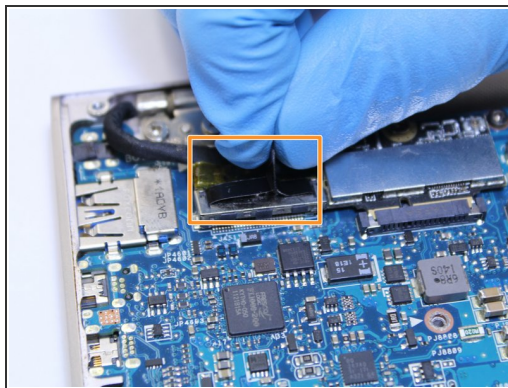
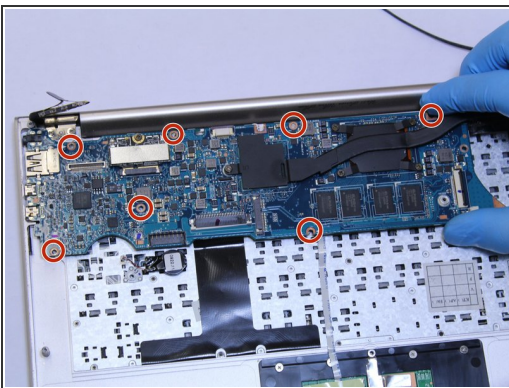
- Unscrew the two screws that are across each other.

Step 15



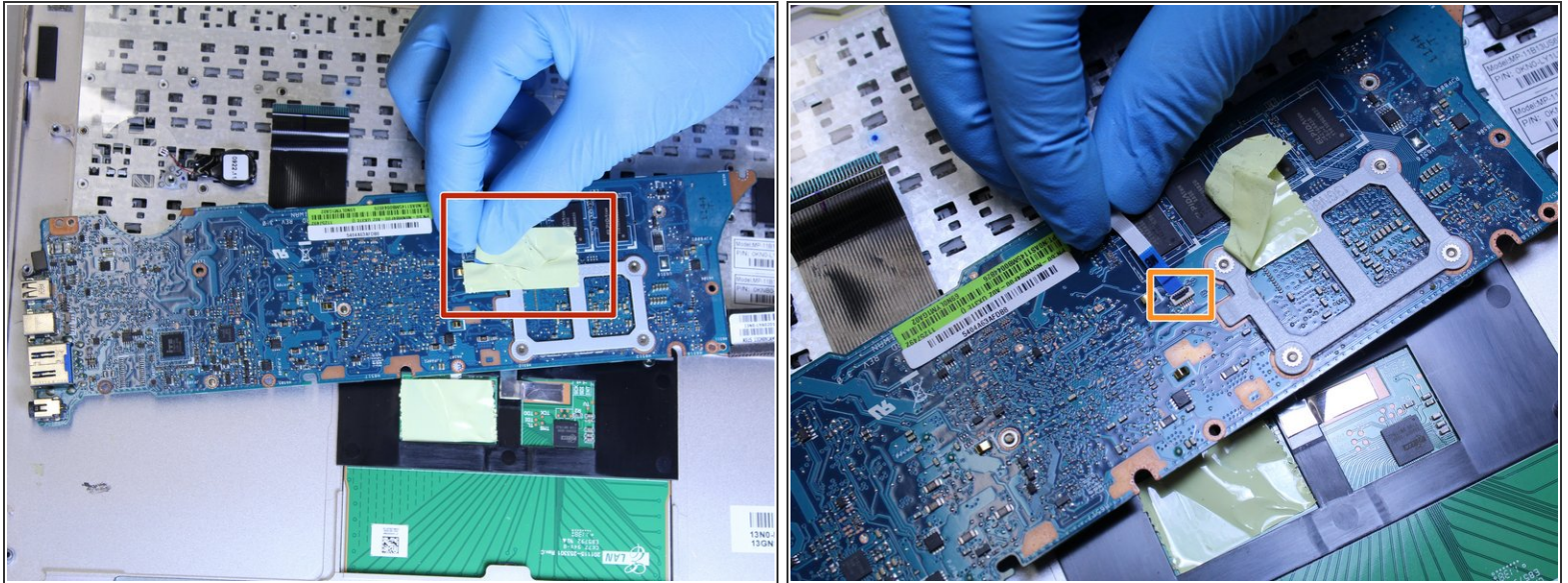
- Using a plastic opening tool, lift the fan off of the laptop.
- You can now use your hands and carefully pull the fan off the laptop.

Step 16 — Motherboard



- Remove the 7 screws holding the motherboard in the case with a Phillips #00 screwdriver.
- Remove the press fit connector attaching the motherboard to the screen.
- Remove the two cables that are still attached to the motherboard. You will need to use needle nose tweezers to remove these.

Step 17



- Lift gently and flip the motherboard over in the direction of the track pad.
- Peel off the the yellow tape.
- Detach the ZIF connector on the underside of the motherboard connecting it to the keyboard.
- Remove the motherboard.

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