



Asus Zenbook UX31E Keyboard Replacement

Access and remove the keyboard from the bottom of the laptop. This is used to fix a broken, or damaged keyboard or if the keyboard stops working.

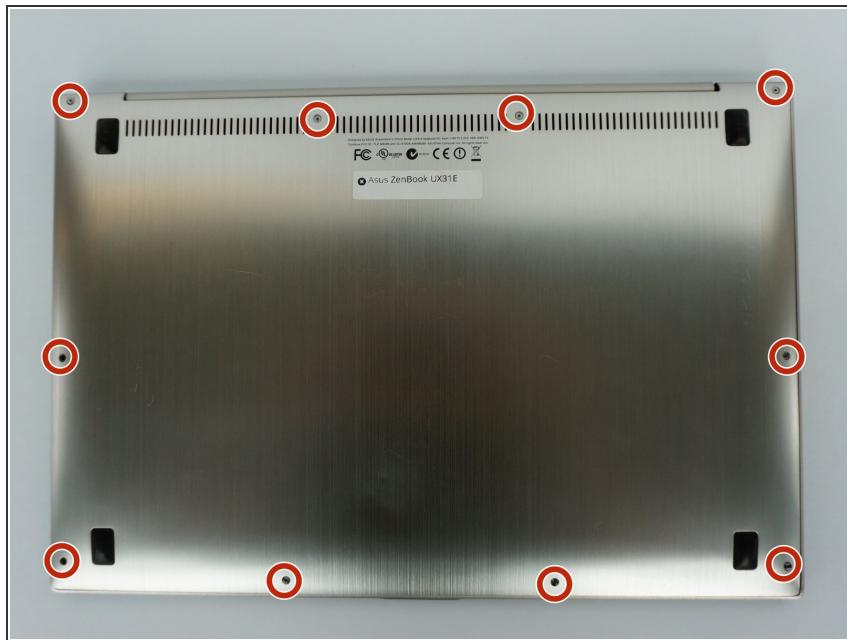
Written By: Brian Mills



 **TOOLS:**

- [T4 Torx Screwdriver \(1\)](#)
- [iFixit Opening Tools \(1\)](#)
- [Phillips #00 Screwdriver \(1\)](#)
- [Phillips #00 Screwdriver \(1\)](#)
- [Anti-Static Wrist Strap \(1\)](#)
- [T7 Torx Screwdriver \(1\)](#)

Step 1 — Back Cover



- Using a T4 Torx screwdriver, remove the ten screws at the marked locations.

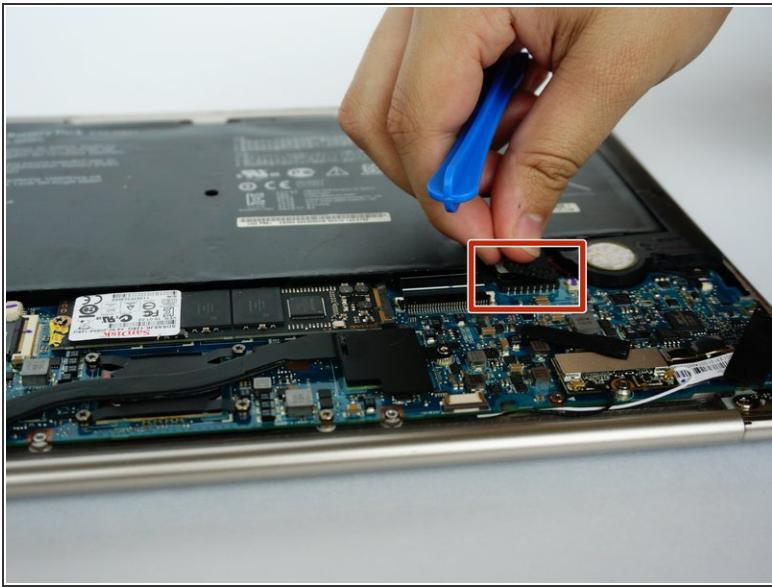
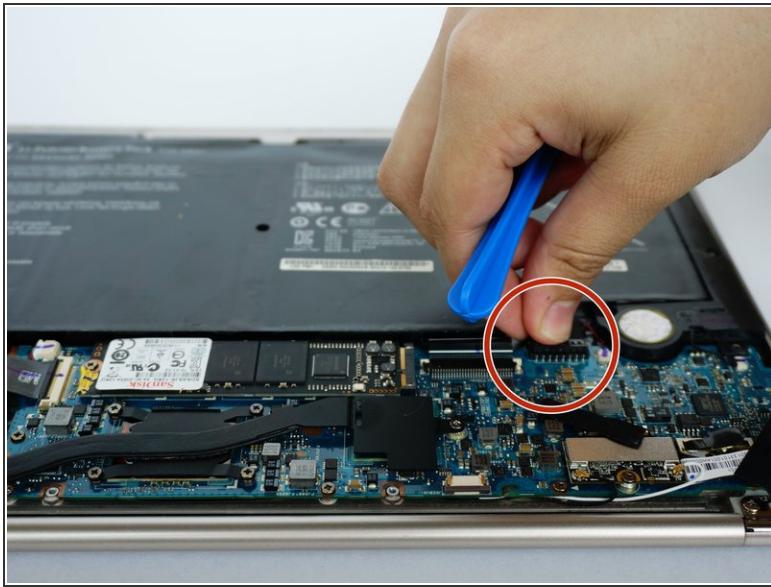
(i) Place the screws into a container as to not lose them.

Step 2



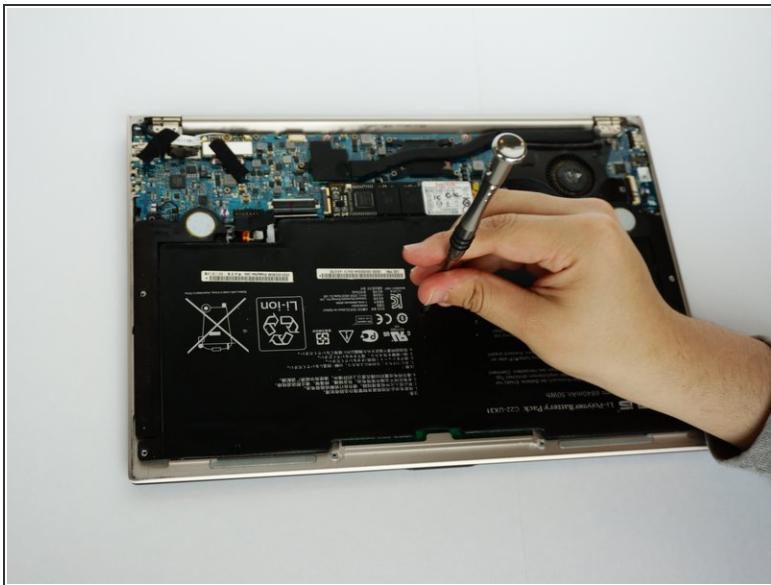
- Using your iFixit Opening Tool, carefully slide it between the back panel.
- Lift the back plate of your ASUS ZenBook UX31E and place it to the side.

Step 3 — Battery



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

Step 4



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

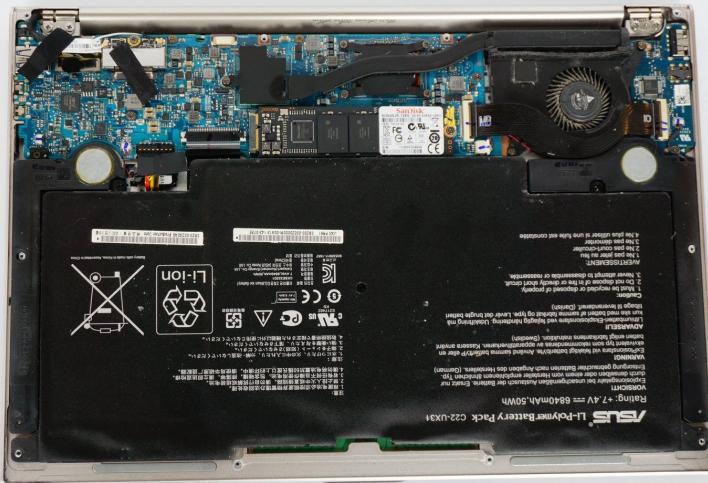
(i) Place the screws into a container as to not lose them.

Step 5



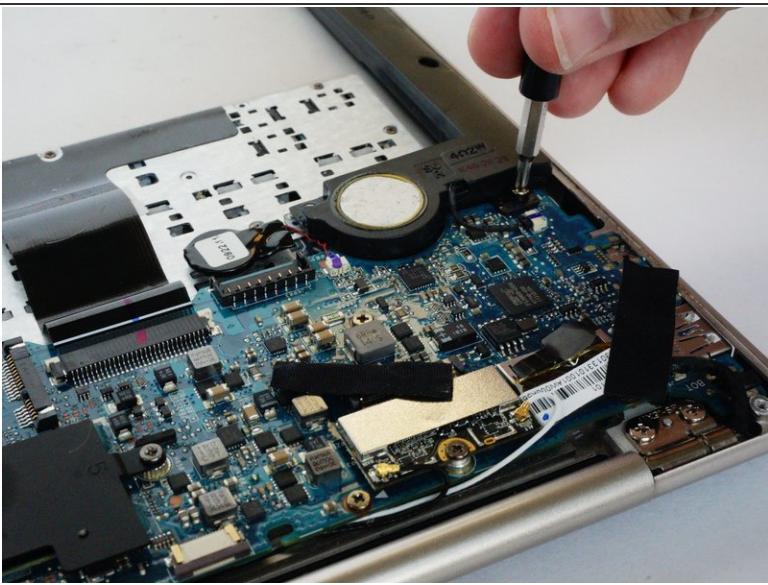
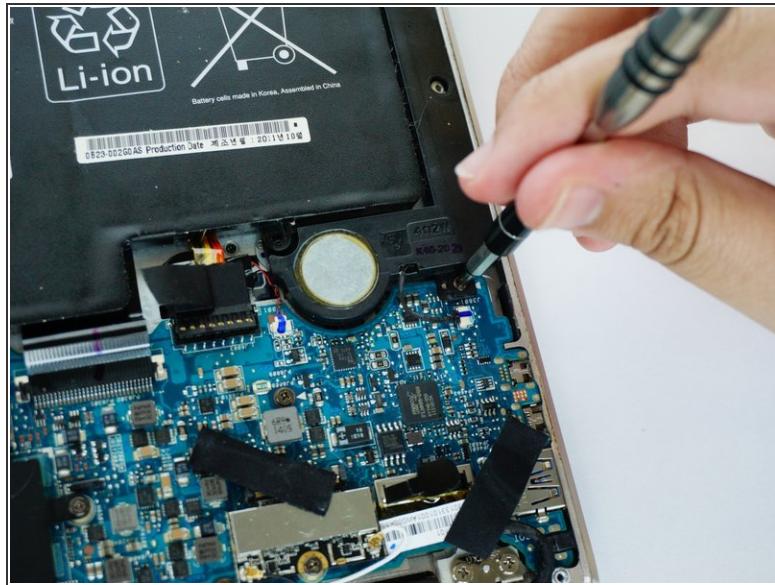
- Remove the battery.

Step 6 — Speaker



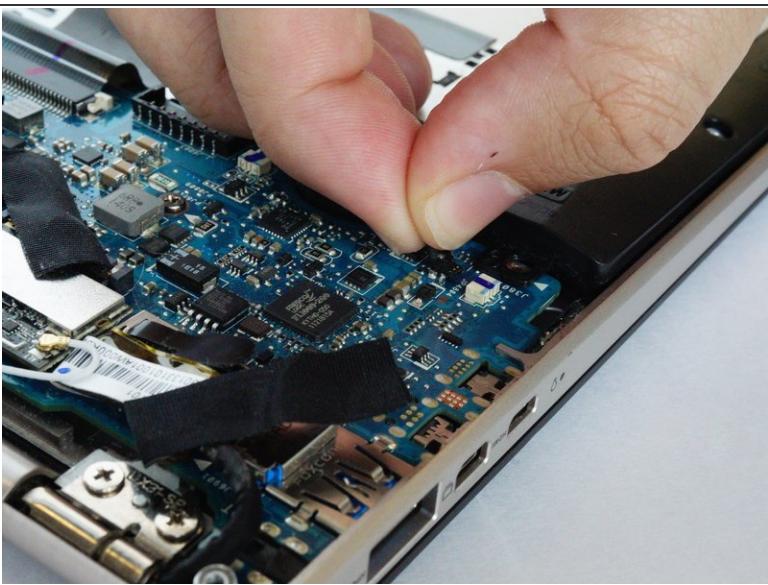
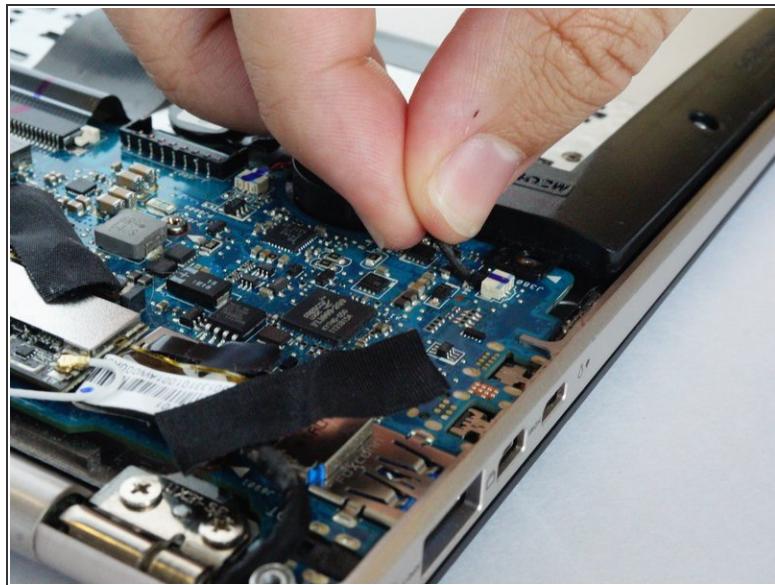
- Use the plastic opening tool to pry the backing of the laptop
- Remove bottom panel of laptop

Step 7



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

Step 8



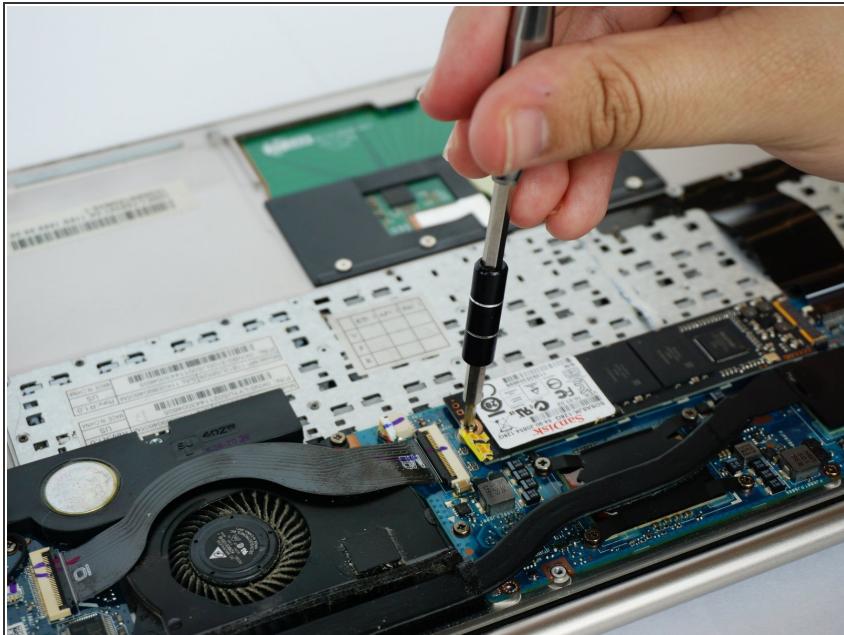
- Disconnect the sound cable from the motherboard.

Step 9



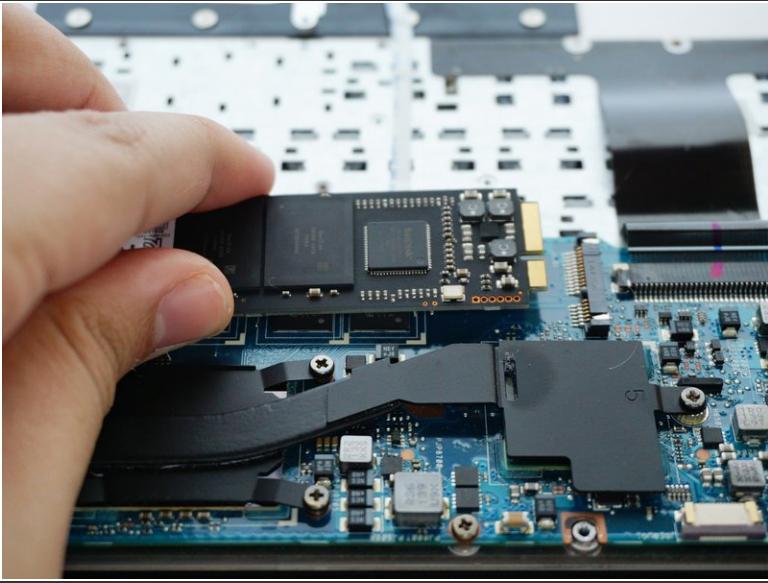
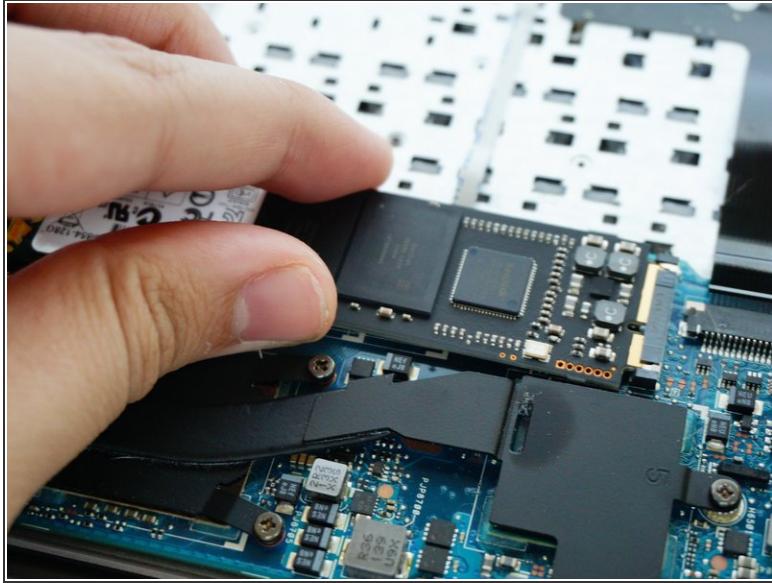
- Using the plastic opening tool, pry the speaker component from the computer.

Step 10 — SSD



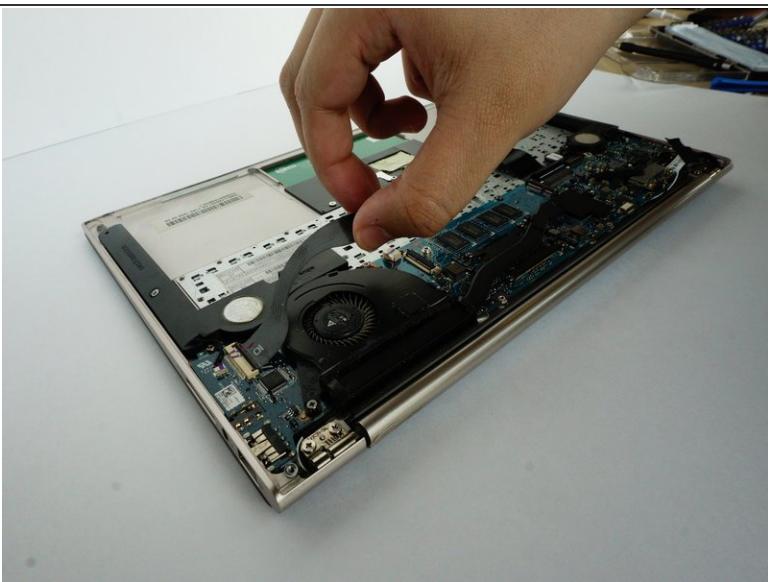
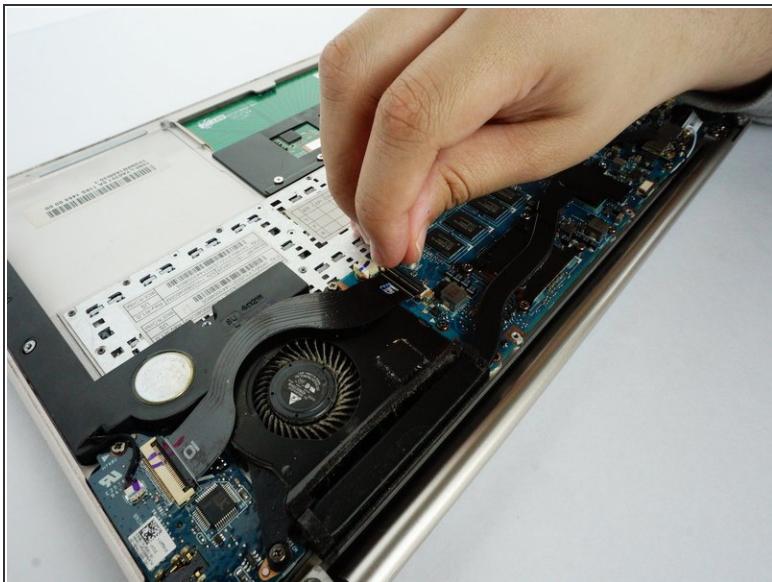
- ➡ Attach your Anti-Static Wrist Wrap to something metal as to not shock your system.
- Peel back the warranty sticker to reveal the screw under it.
- Using your Phillips #00 Precision Screwdriver, unscrew the screw that you just revealed.

Step 11



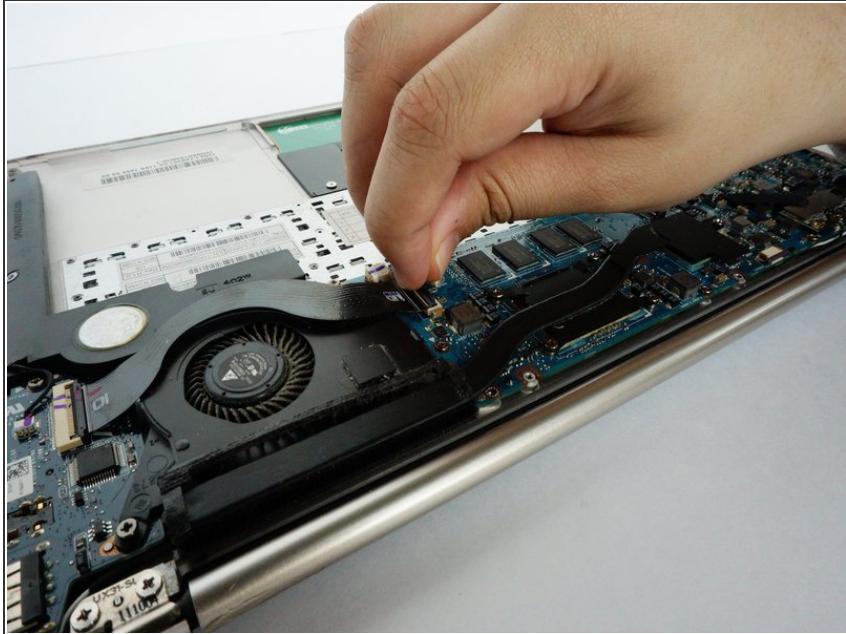
- Using your hand, pull the SSD from its slot.

Step 12 — Fan



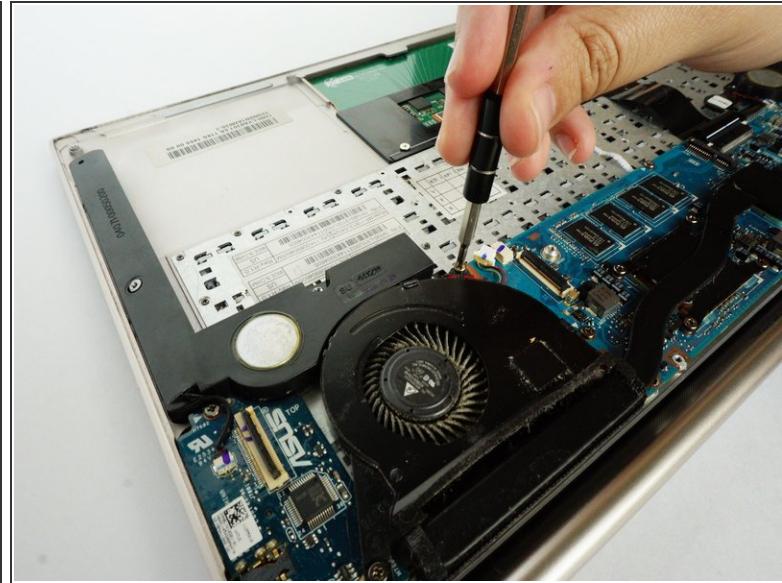
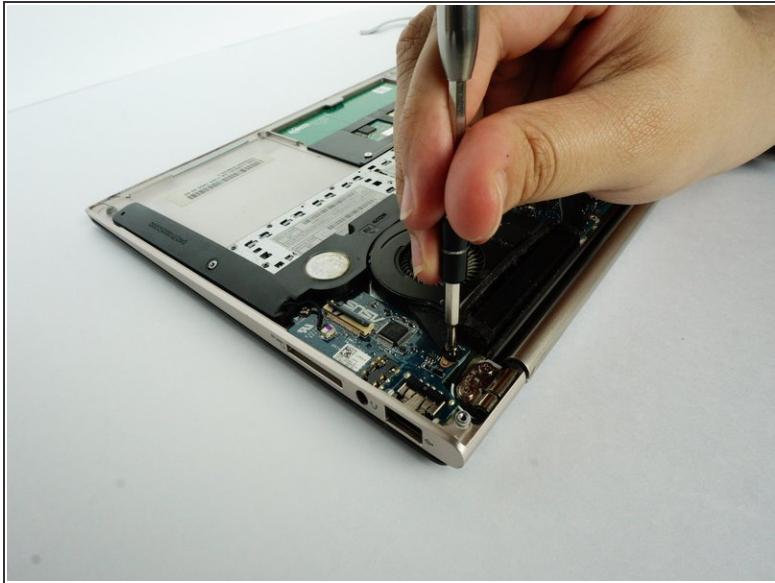
- Disconnect the ribbon between the IO and the motherboard on both sides.

Step 13



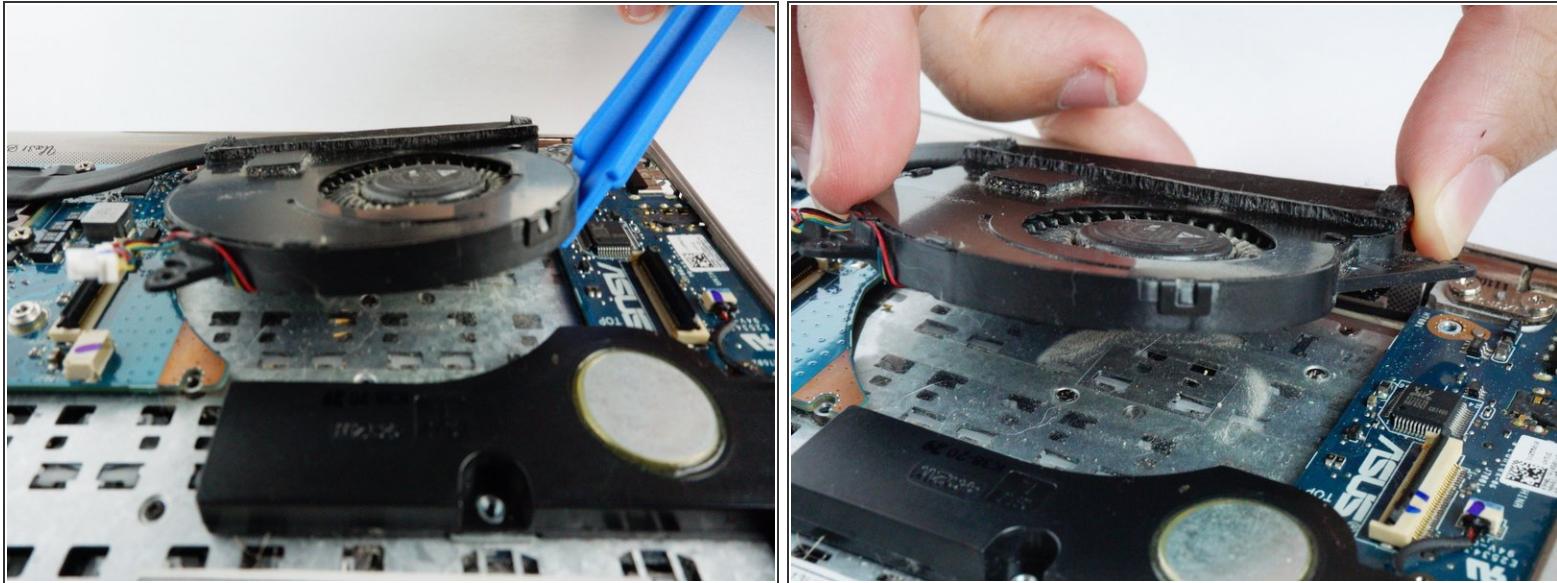
- Disconnect the fan connector from the motherboard.
- Pull up the clips on the ribbon connectors.

Step 14



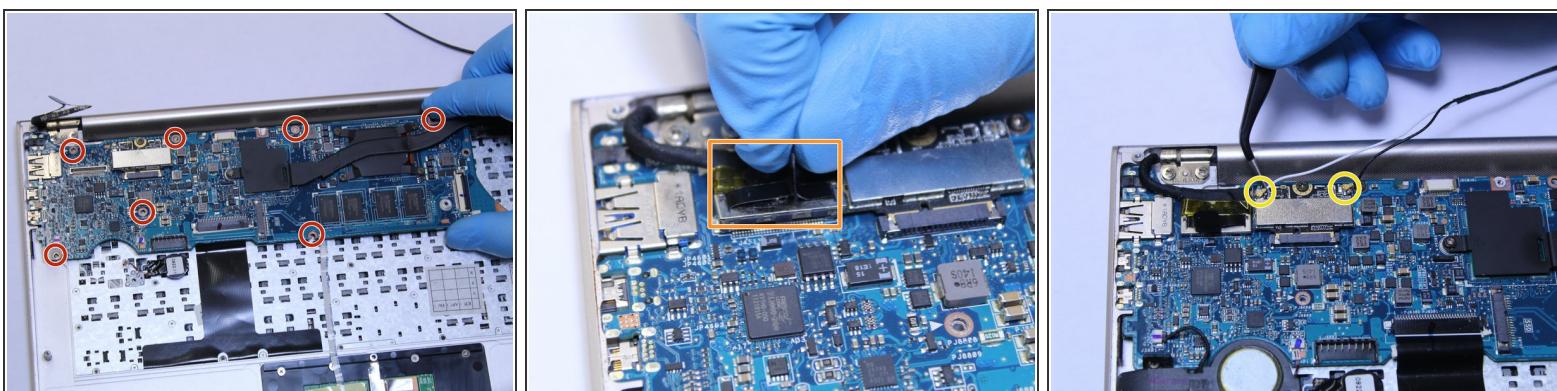
- Unscrew the two screws that are across from each other.

Step 15



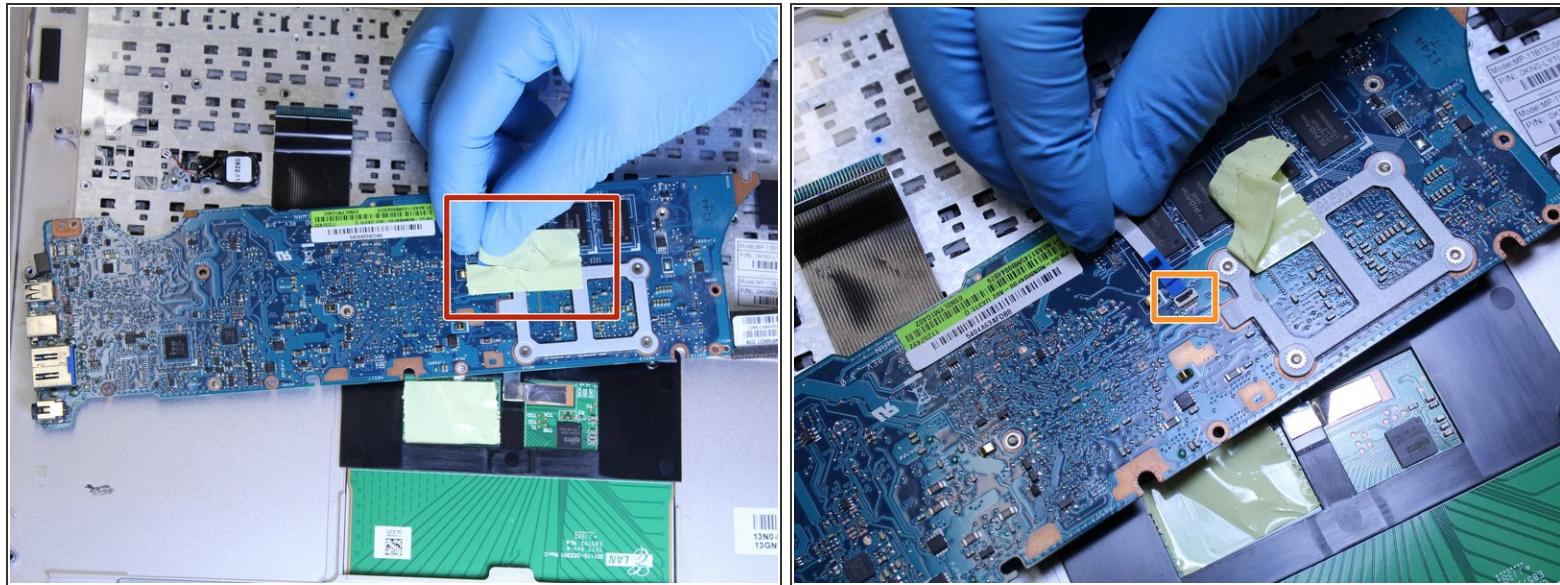
- Using a plastic opening tool, lift the fan off of the laptop.
- You can now use your hands and carefully pull the fan off the laptop.

Step 16 — Motherboard



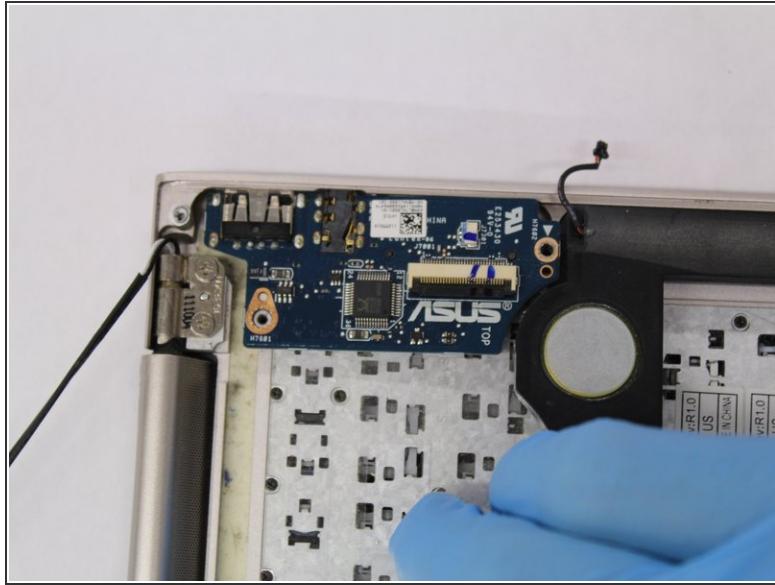
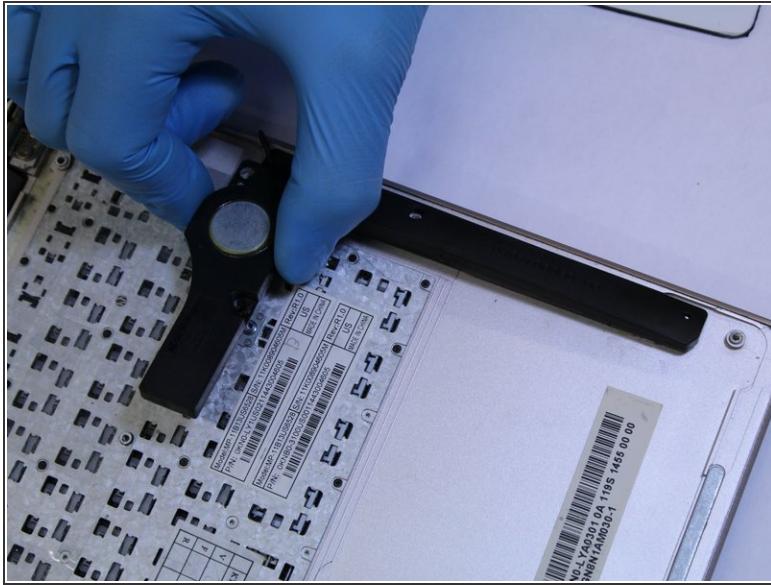
- Remove the 7 screws holding the motherboard in the case with a Phillips #00 screwdriver.
- Remove the press fit connector attaching the motherboard to the screen.
- Remove the two cables that are still attached to the motherboard. You will need to use needle nose tweezers to remove these.

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.

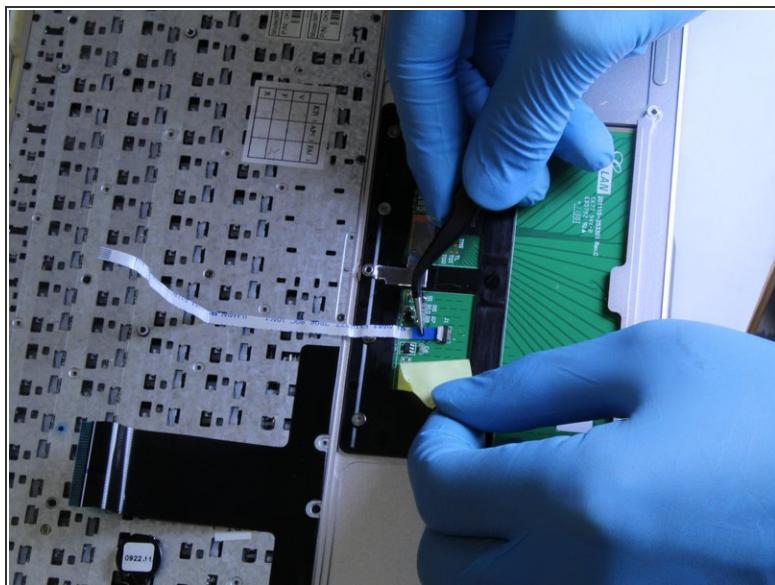
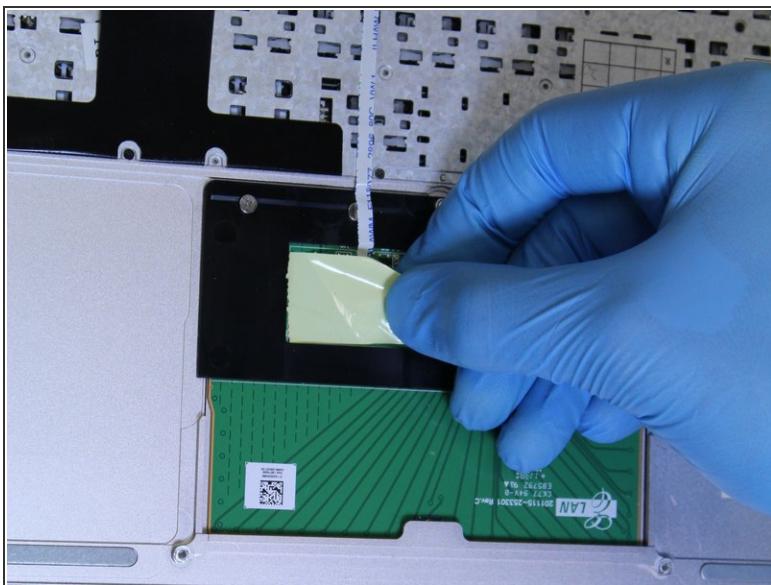
Step 18 — Keyboard



- Remove the speaker assembly.

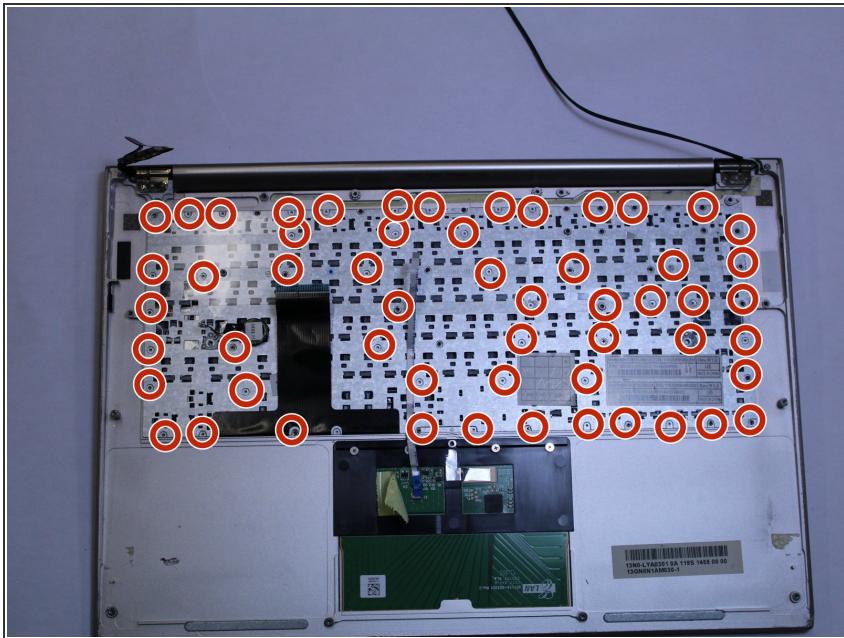
 Lift gently to avoid damaging the speaker assembly.

Step 19



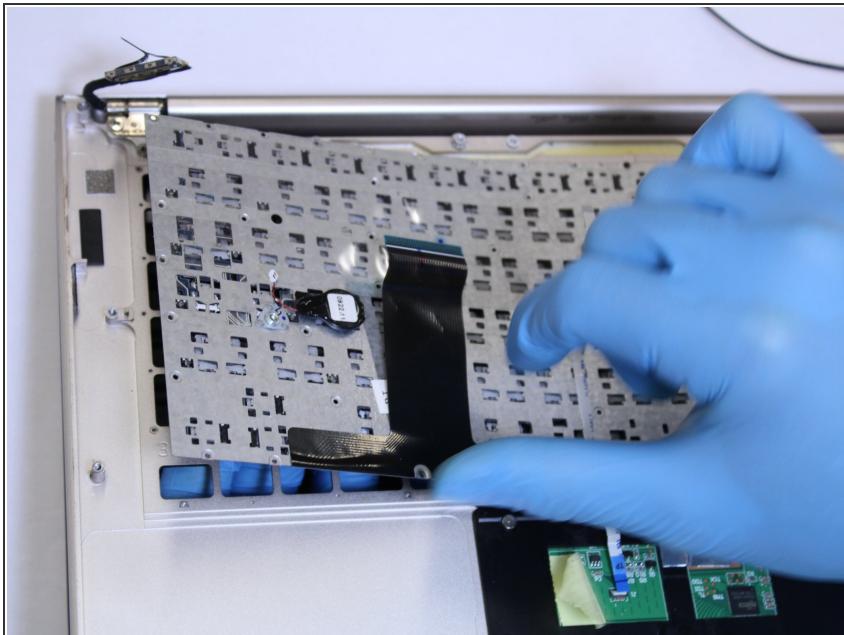
- Gently peel back the yellow tape to reveal where the ribbon cable attaches to the track pad.

Step 20



- Remove the 56 screws marked in red circles using a Torx T7 screwdriver.

Step 21



- Put your hand under the keyboard and gently push the keyboard up and away from the frame of the computer with your fingers.

 Be very careful to not damage the keyboard itself when removing it.

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