



# 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.

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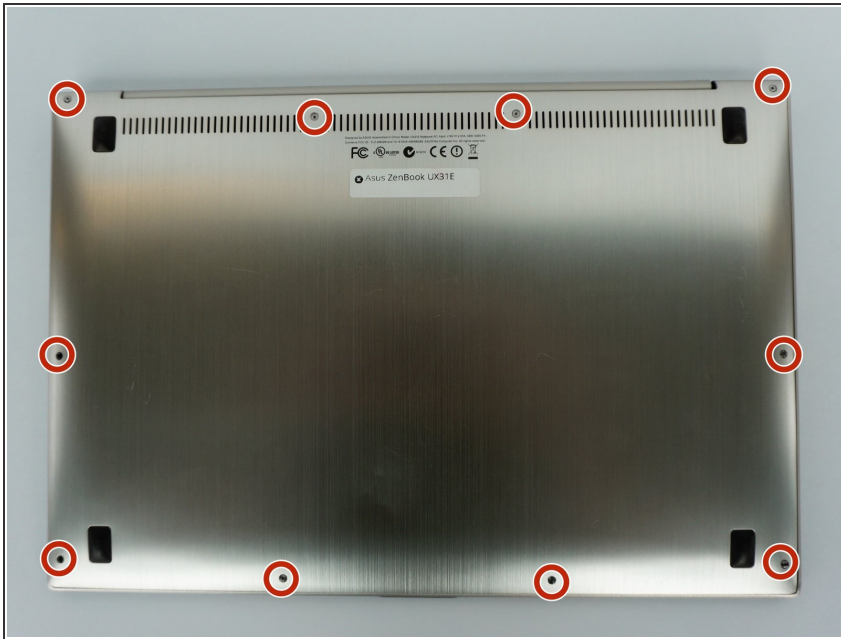




## TOOLS:

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

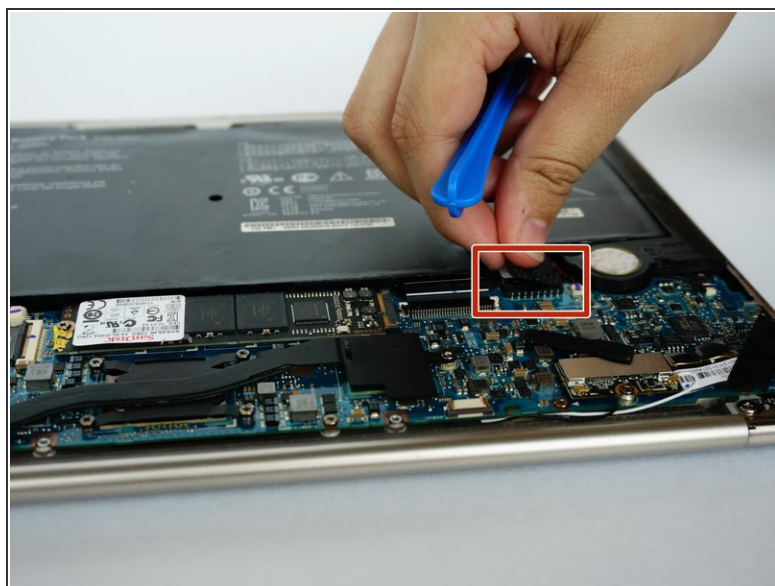
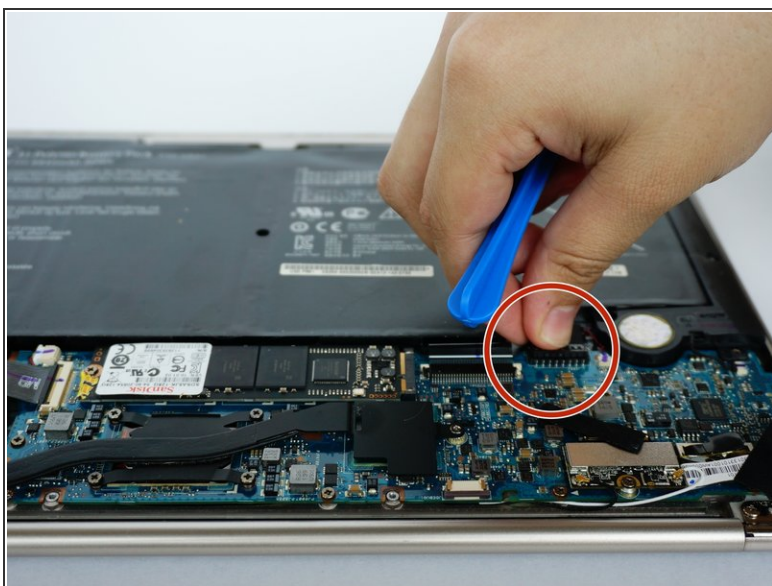
## Step 2



- 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.

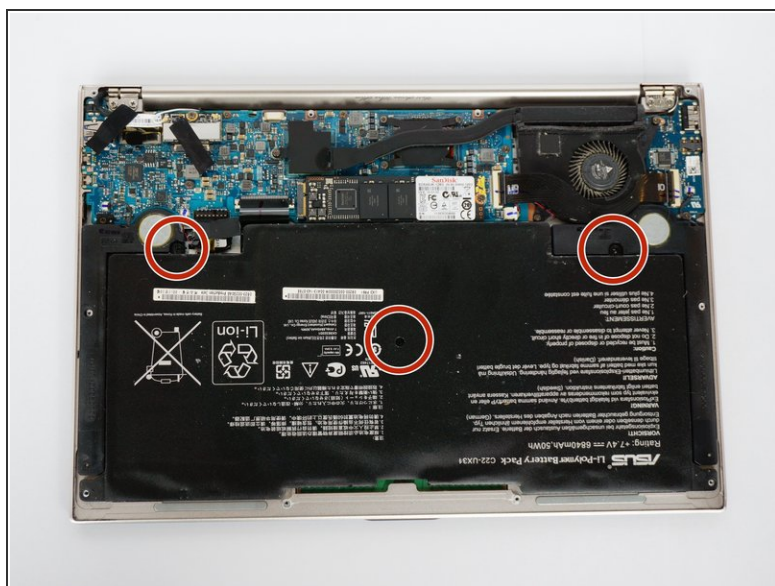
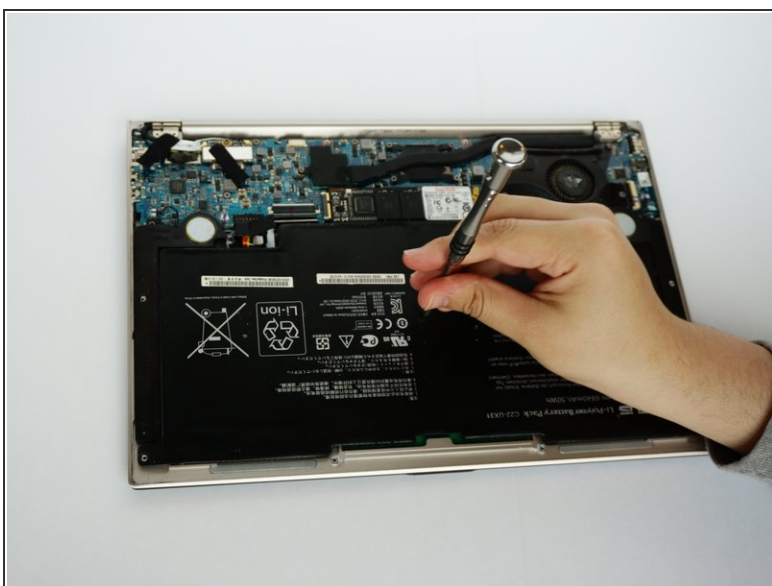


## Step 3 — Battery



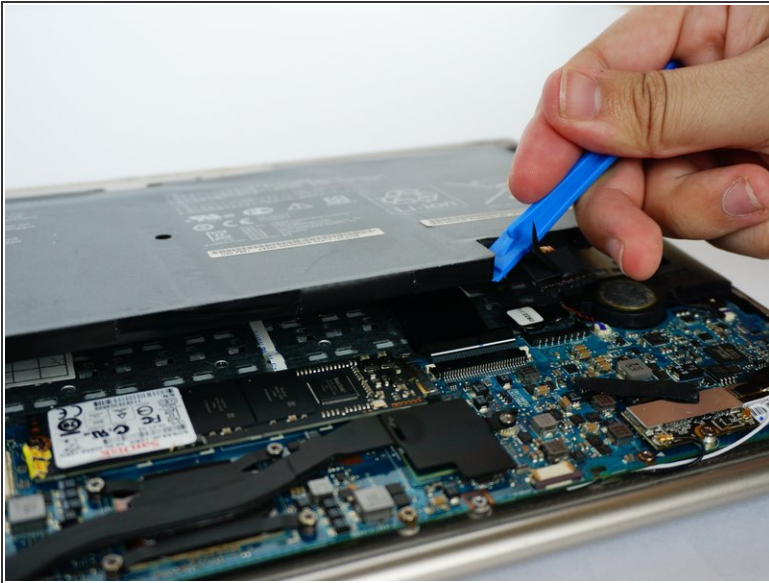
- Disconnect the battery from the motherboard by gently pulling up and down on the connector.

## Step 4



- Using the Phillips #00 screwdriver, remove the screws from the middle and the two corners of the battery.
- ⓘ Place the screws into a container as to not lose them.

## Step 5



- Remove the battery.

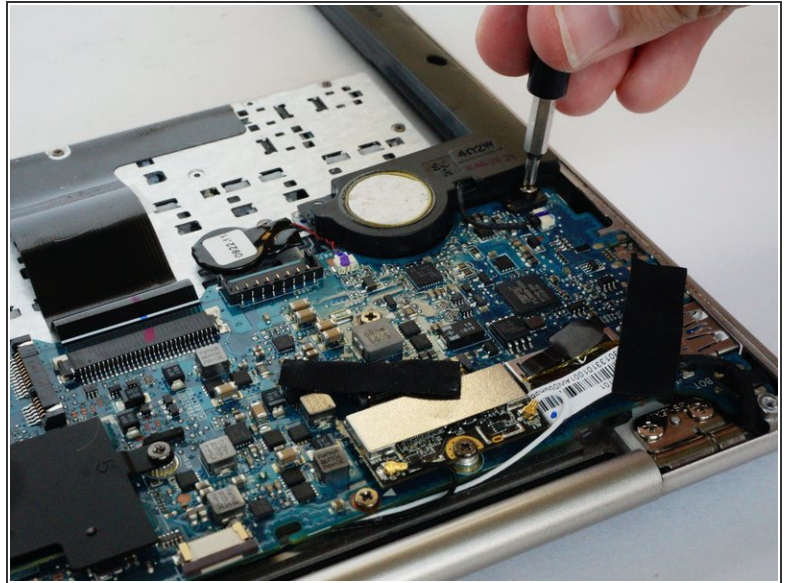
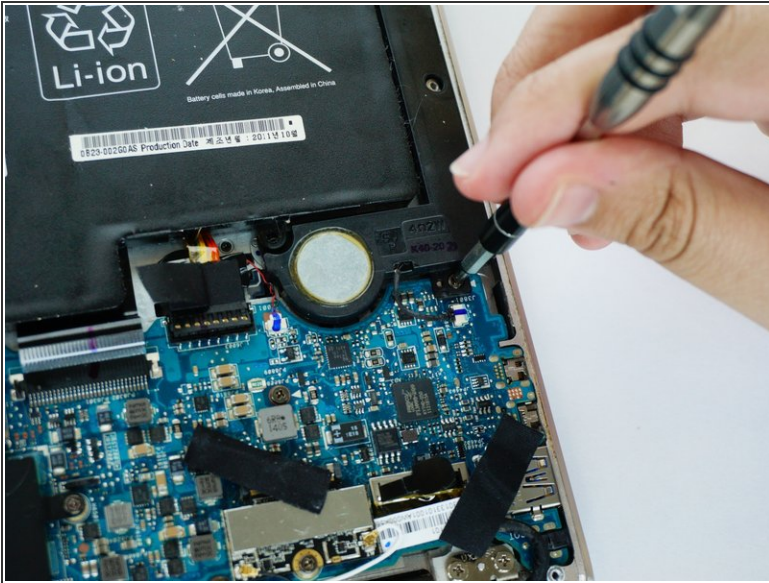
## Step 6 — Speaker



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

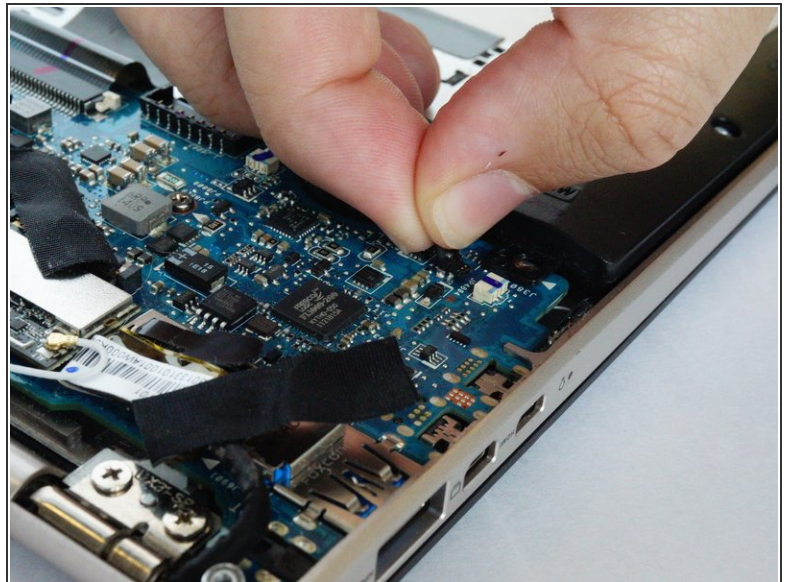
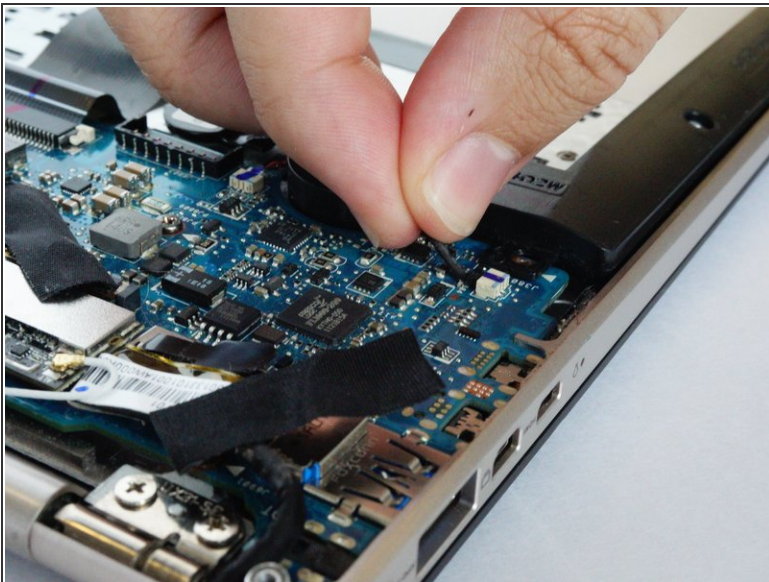


## Step 7



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

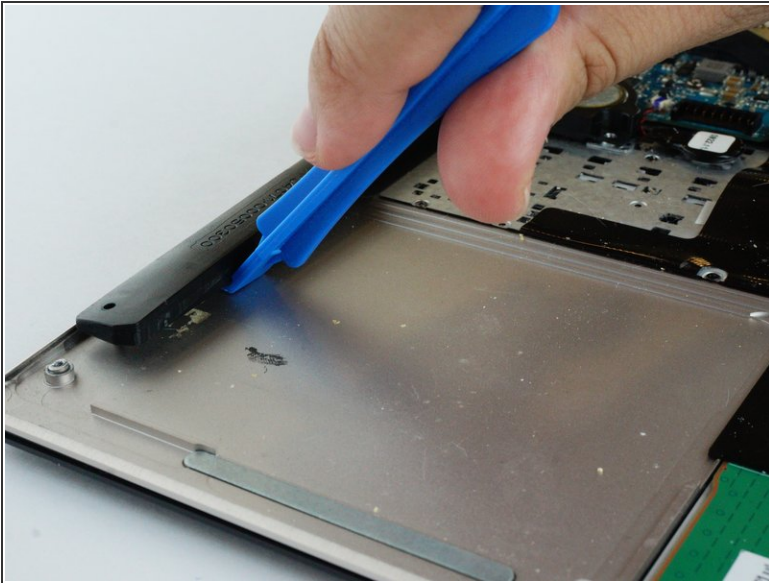
## Step 8



- Disconnect the sound cable from the motherboard.

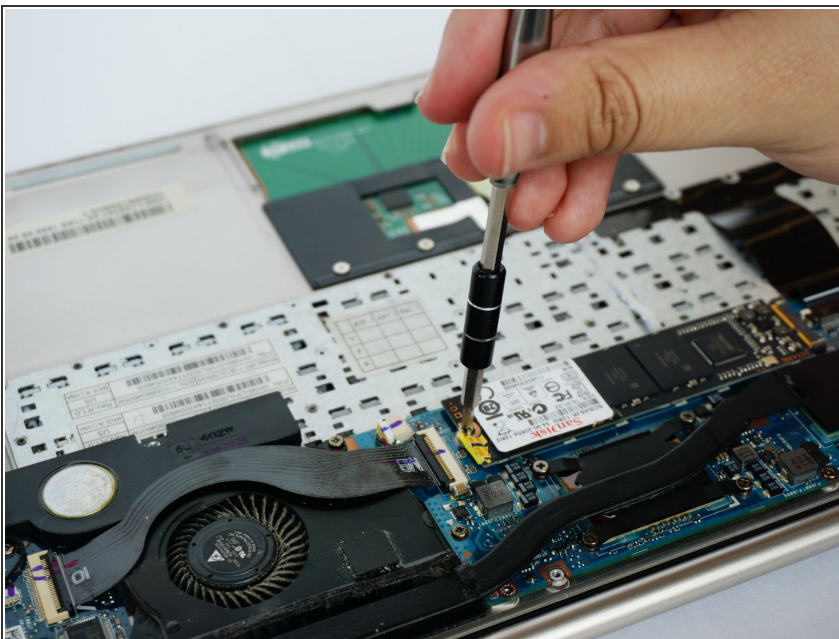


## Step 9



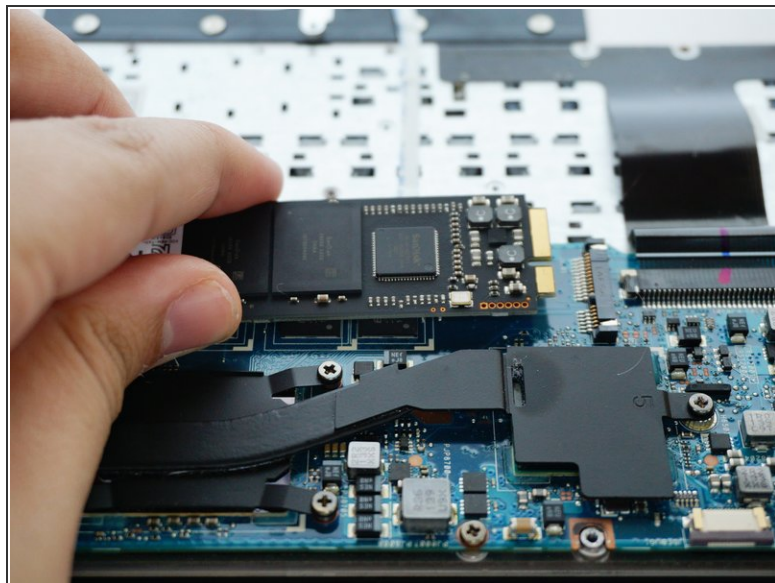
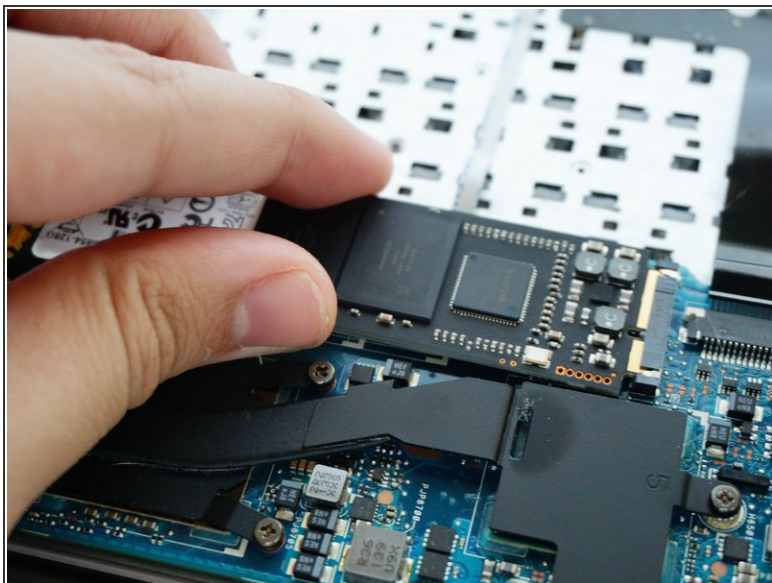
- Using the plastic opening tool, pry the speaker component from the computer.

## Step 10 — SSD



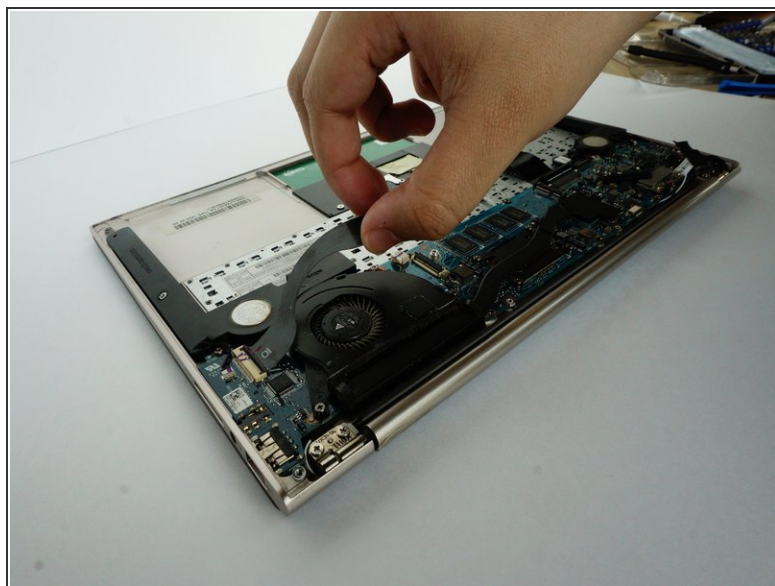
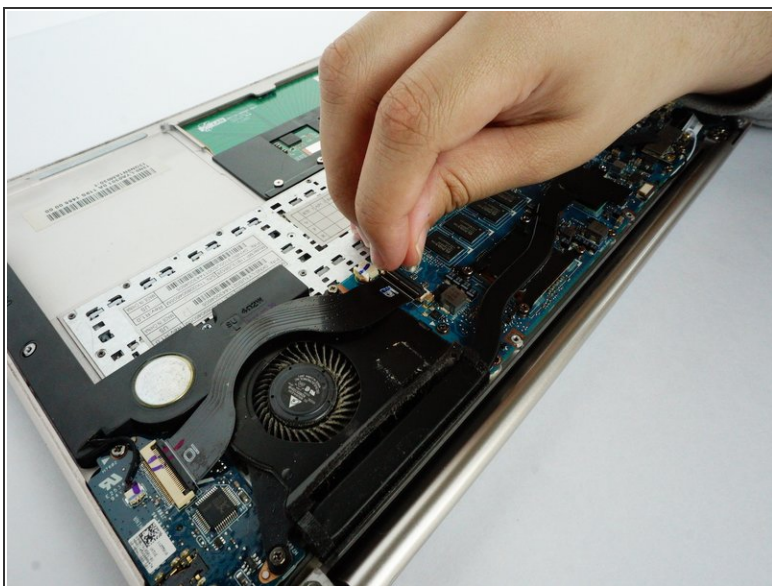
- ★ Attach your Anti-Static Wrist Wrap to something metal as to not shock your system.
- Peel back the warranty sticker to reveal the screw under it.
- Using your Phillips #00 Precision Screwdriver, unscrew the screw that you just revealed.

## Step 11



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

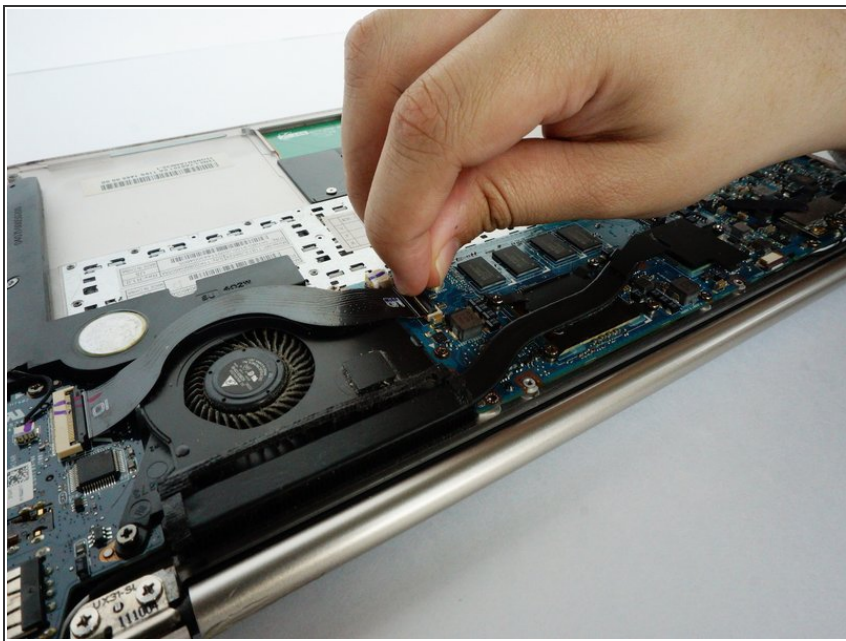
## Step 12 — Fan



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

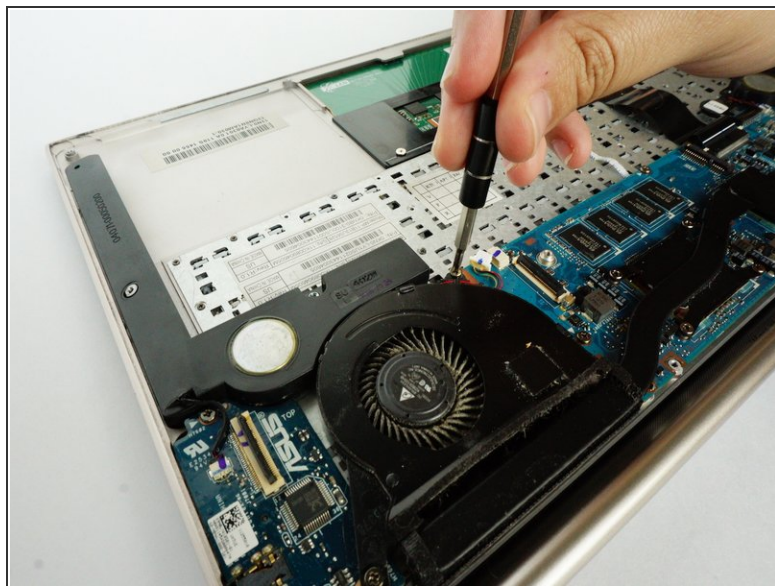
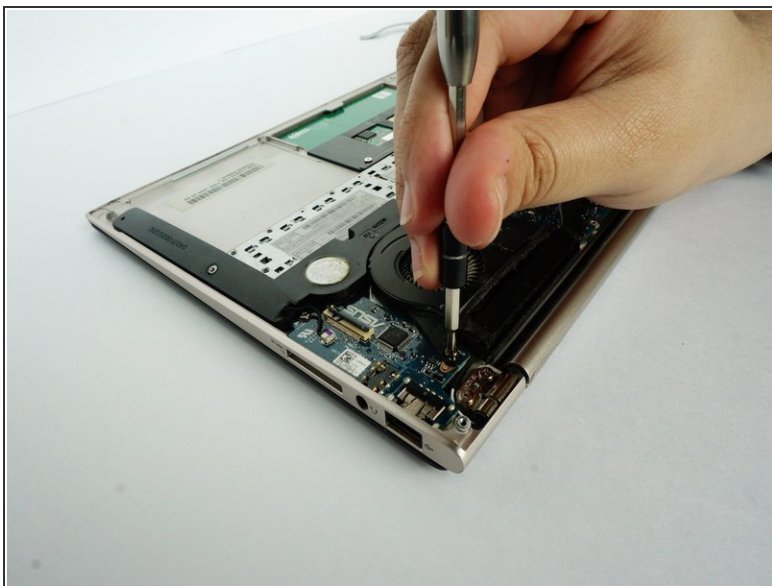


## Step 13



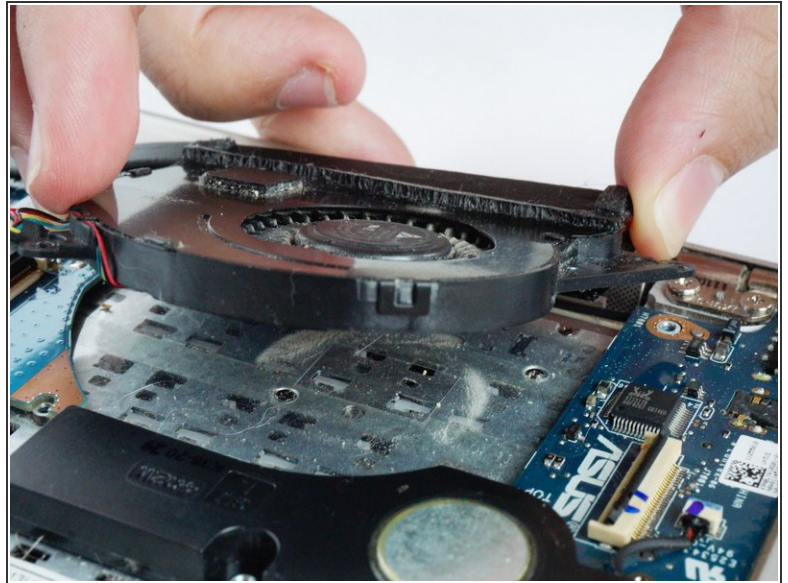
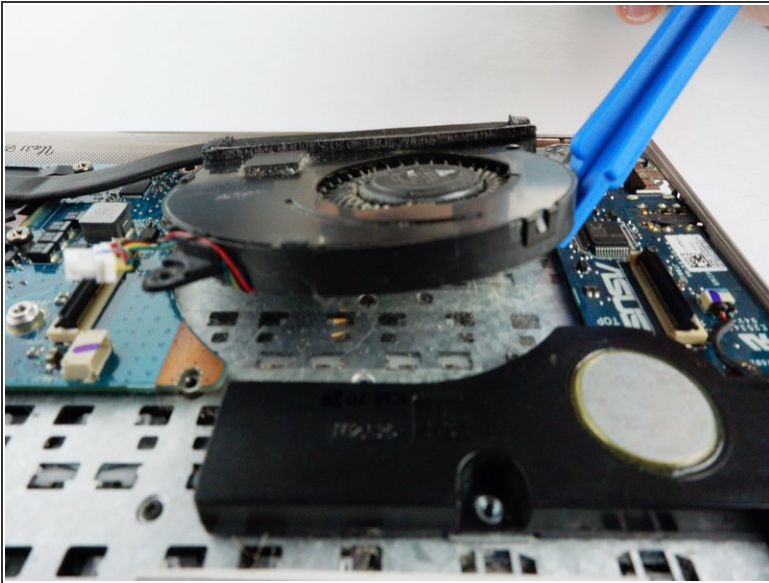
- Disconnect the fan connector from the motherboard.
- Pull up the clips on the ribbon connectors.

## Step 14



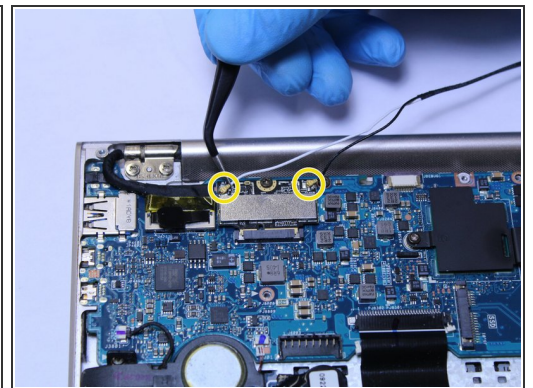
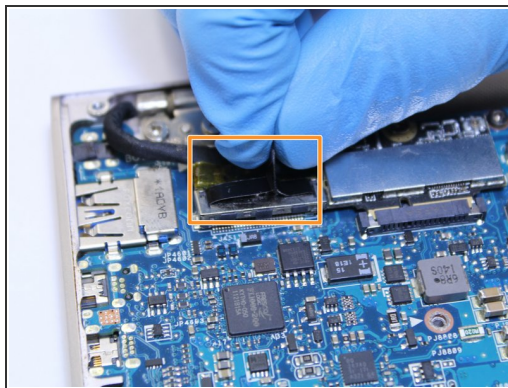
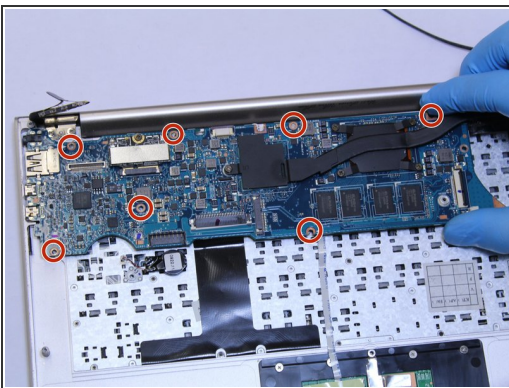
- Unscrew the two screws that are across from each other.

## 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.

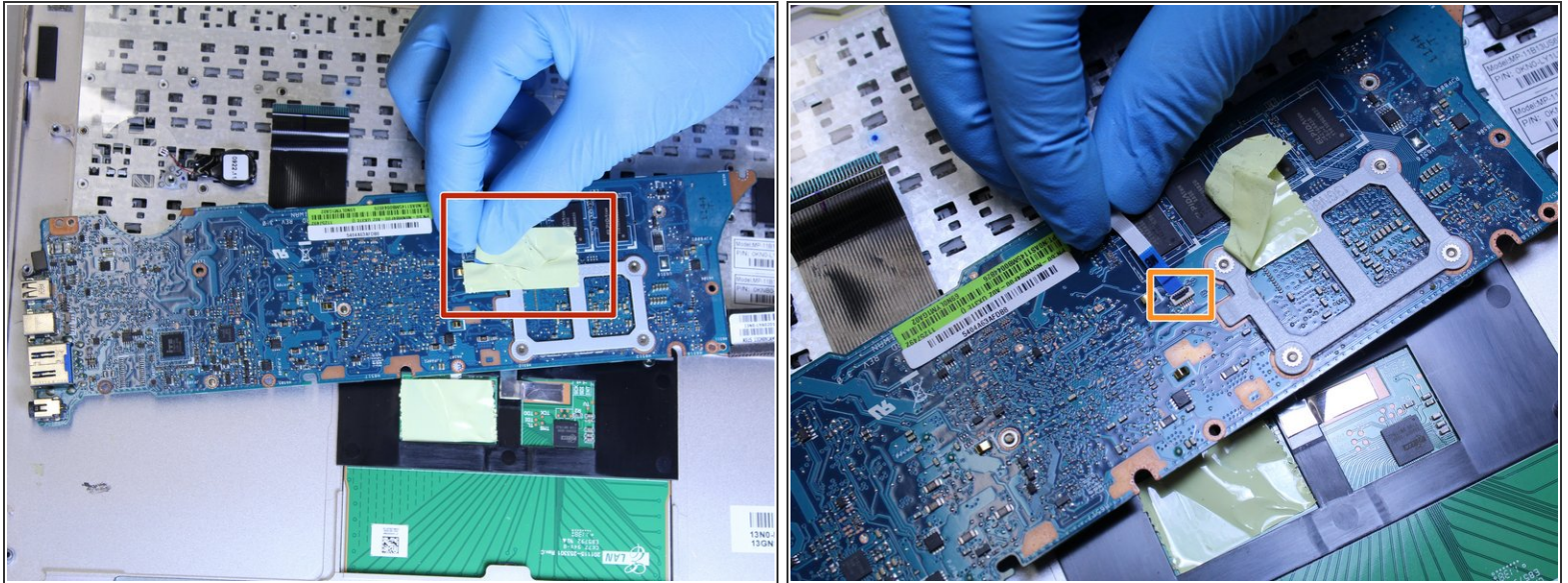
## Step 16 — Motherboard



- 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.

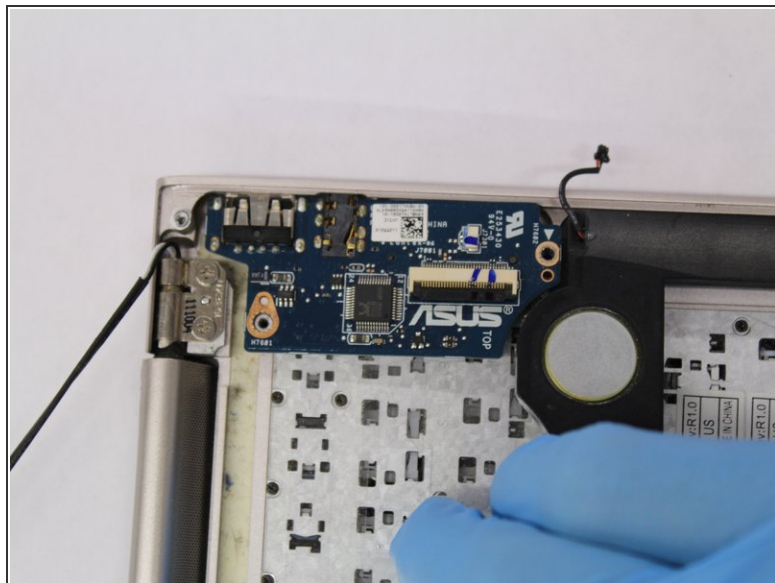
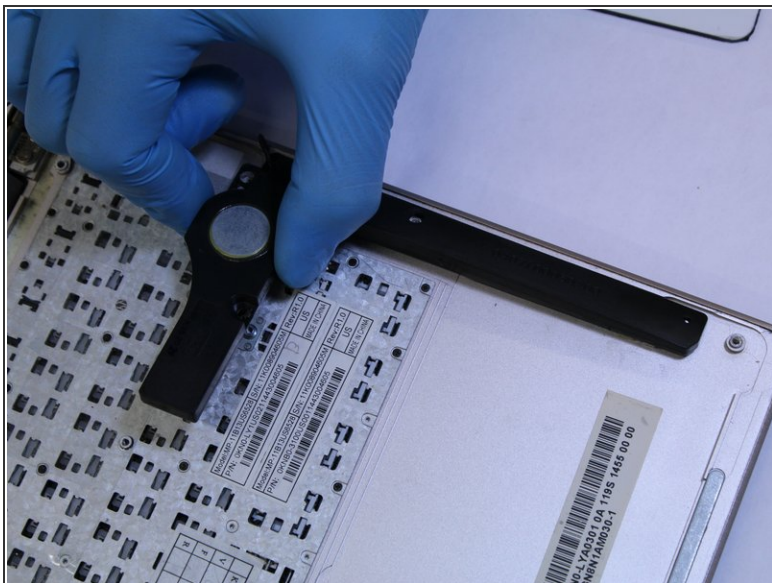


## Step 17



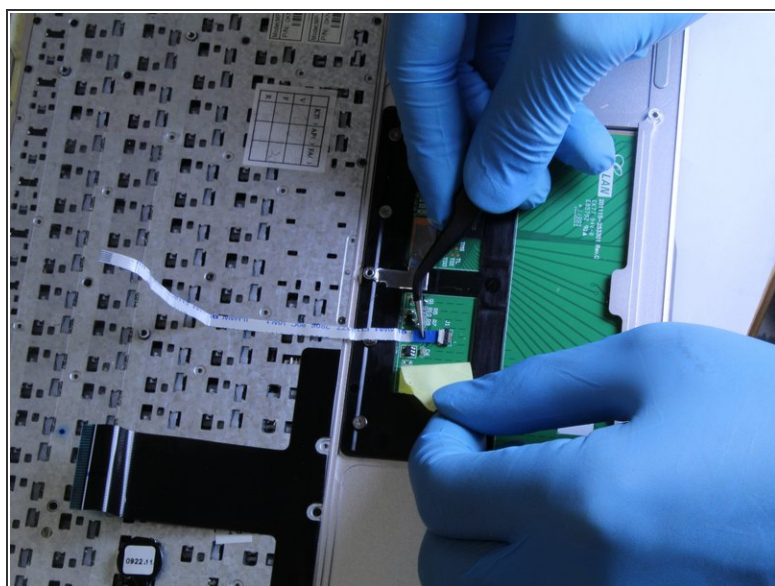
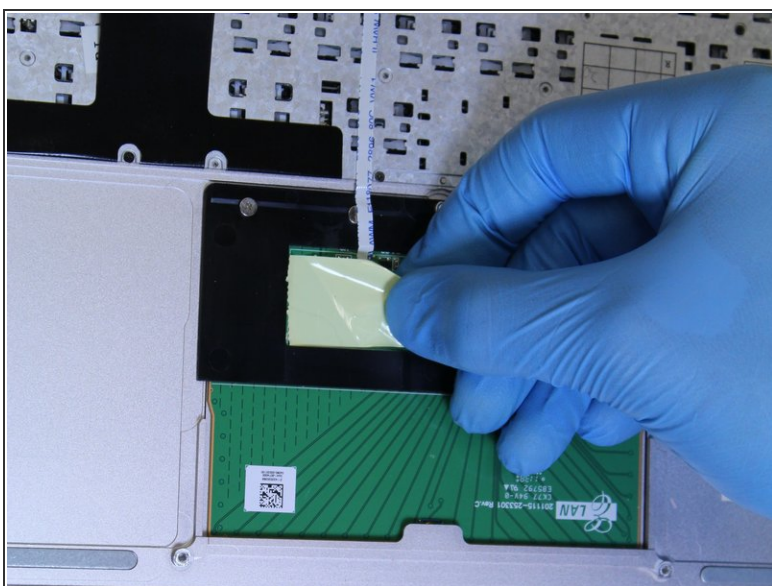
- Lift gently and flip the motherboard over in the direction of the track pad.
- Peel off the the yellow tape.
- Detach the ZIF connector on the underside of the motherboard connecting it to the keyboard.
- Remove the motherboard.

## Step 18 — Keyboard



- Remove the speaker assembly.
- ⚠ Lift gently to avoid damaging the speaker assembly.

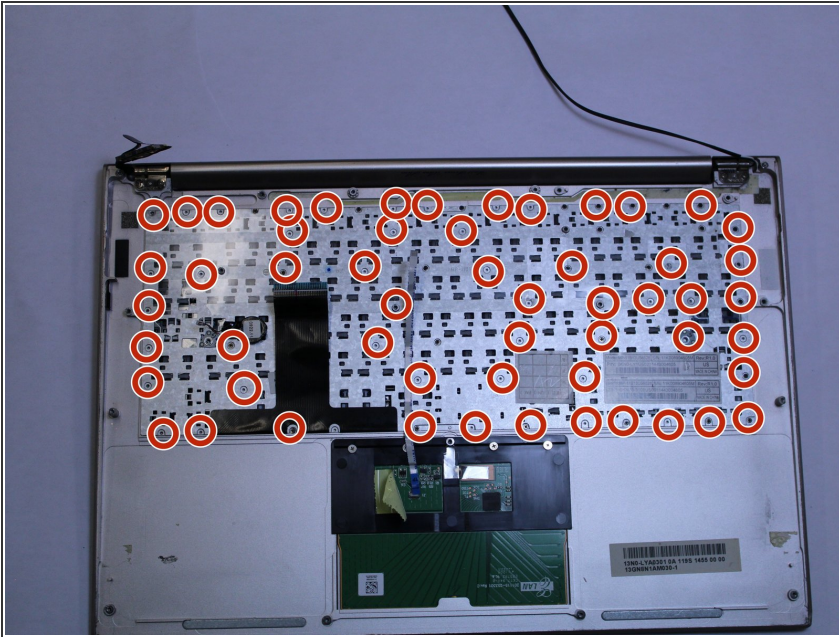
## Step 19



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

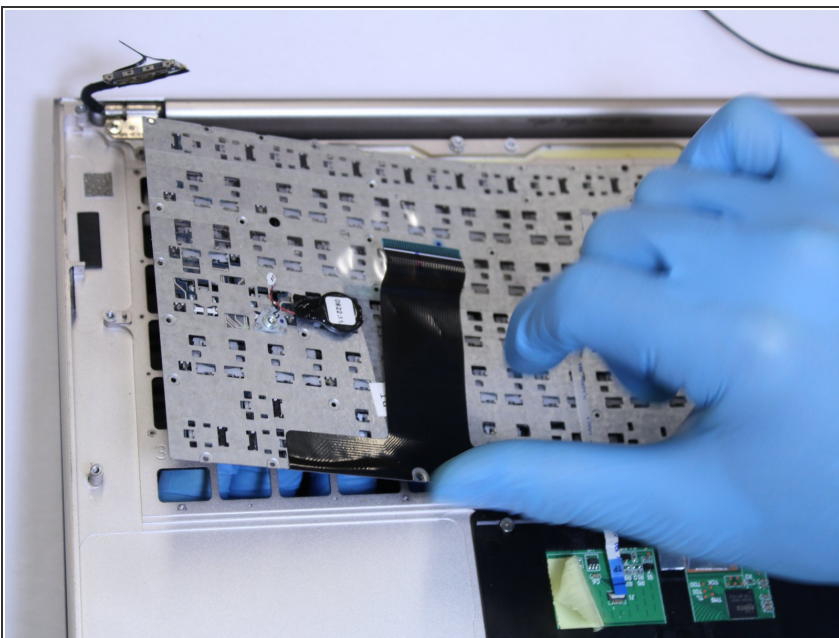


## Step 20



- 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.