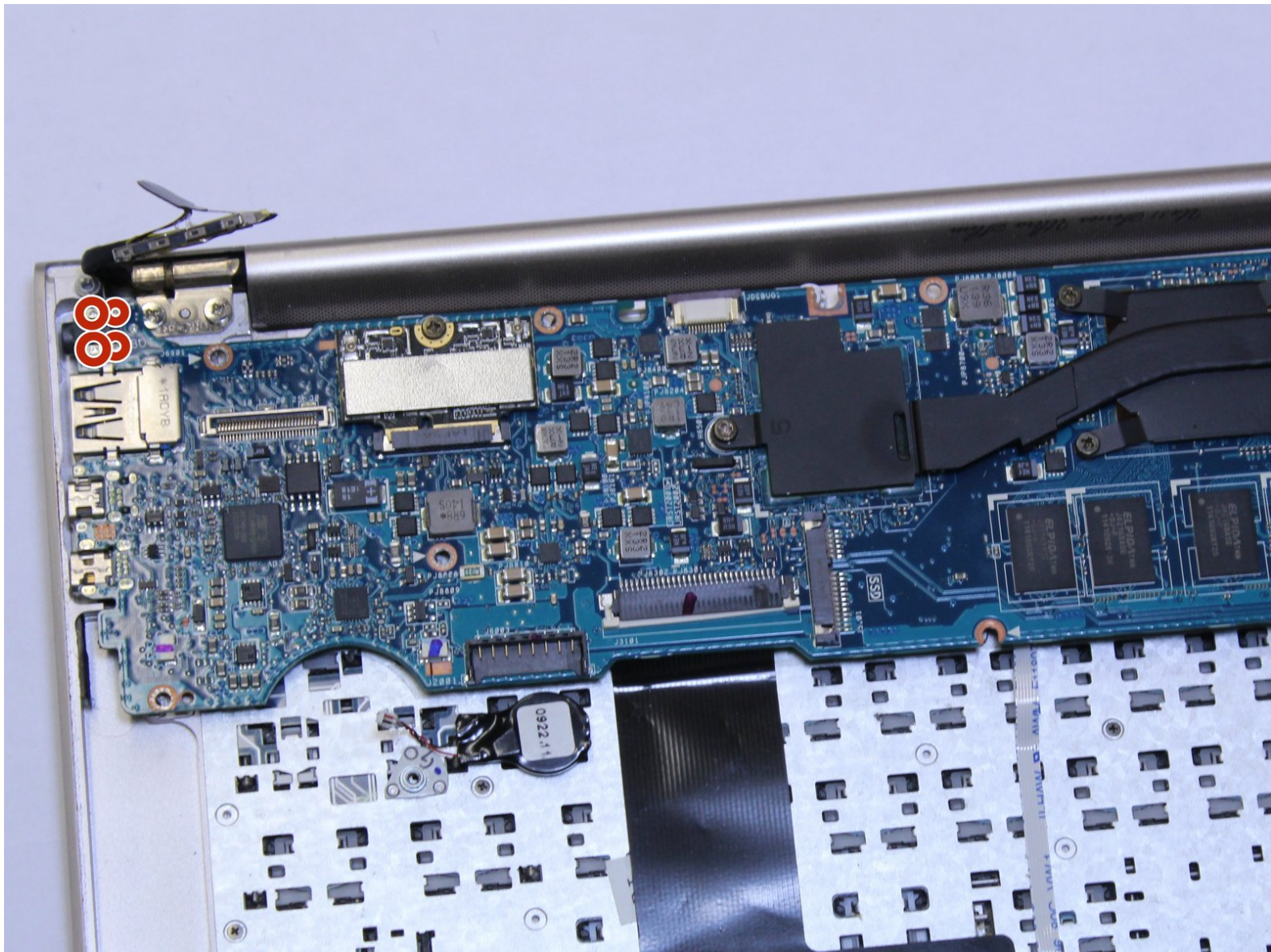




# Asus Zenbook UX31E Charging Port Replacement

Replacement of a broken charging port will allow the Asus Zenbook UX31E to charge again.

Written By: Austin Buttle

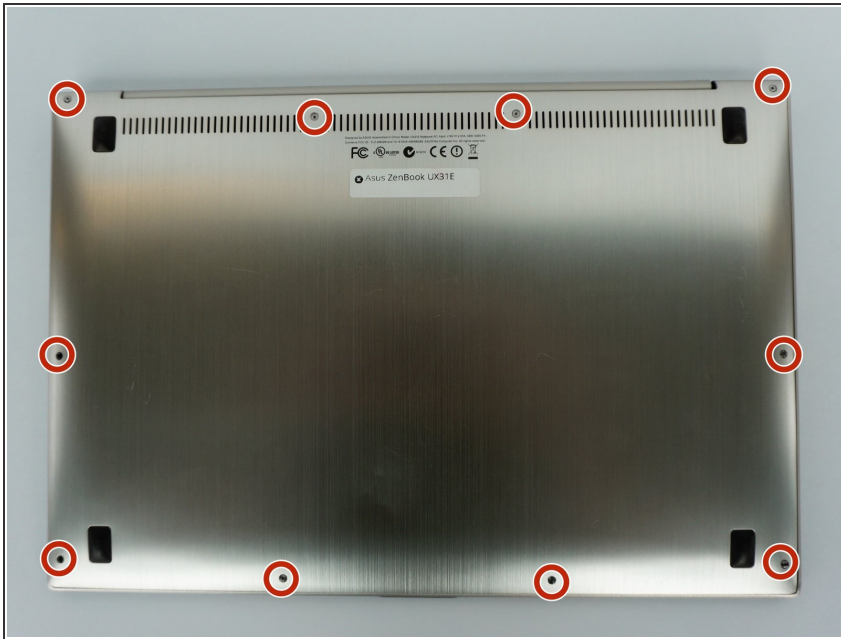




## TOOLS:

- [T4 Torx Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Anti-Static Wrist Strap](#) (1)
- [Soldering Iron](#) (1)
- [Solder](#) (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.

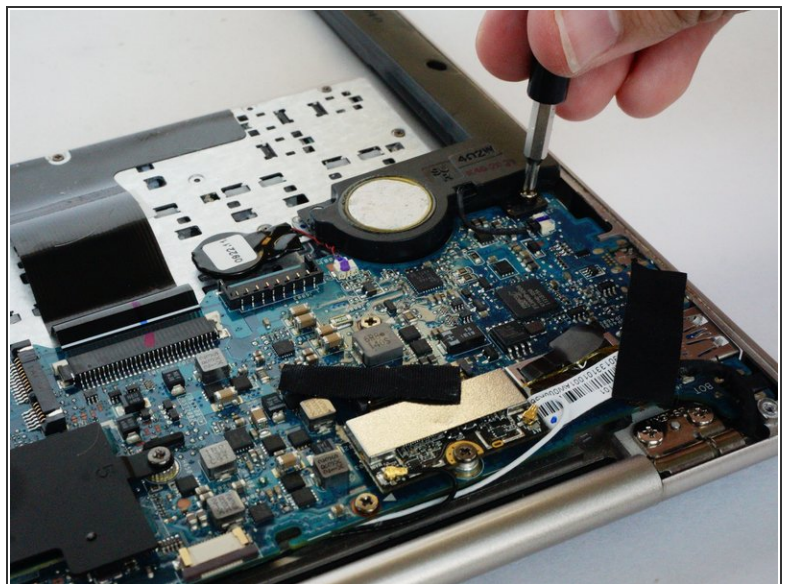
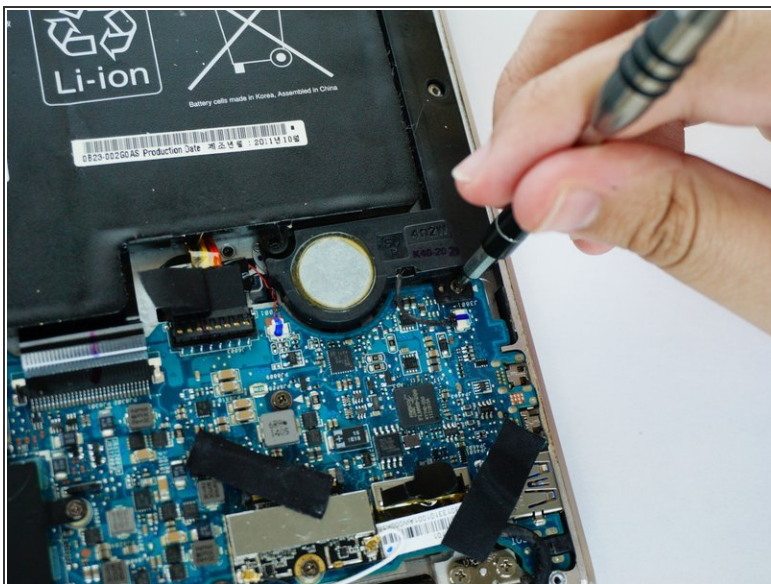


## Step 3 — Speaker



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

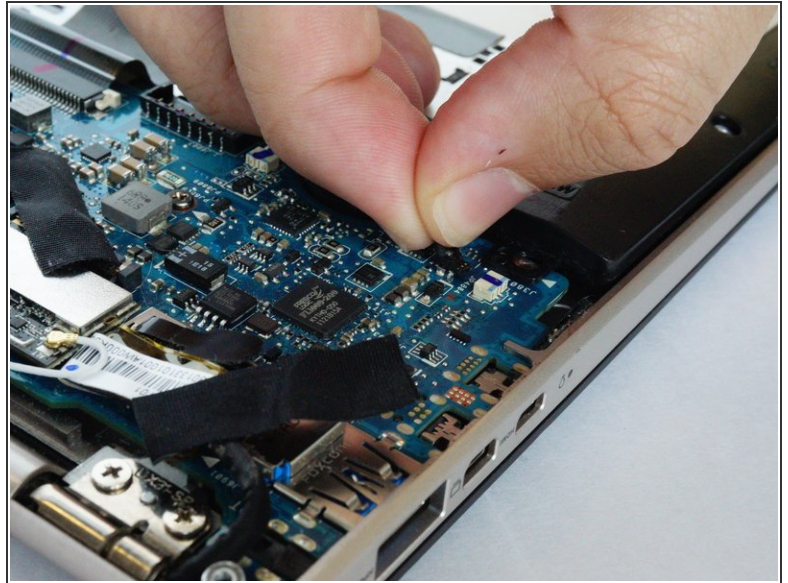
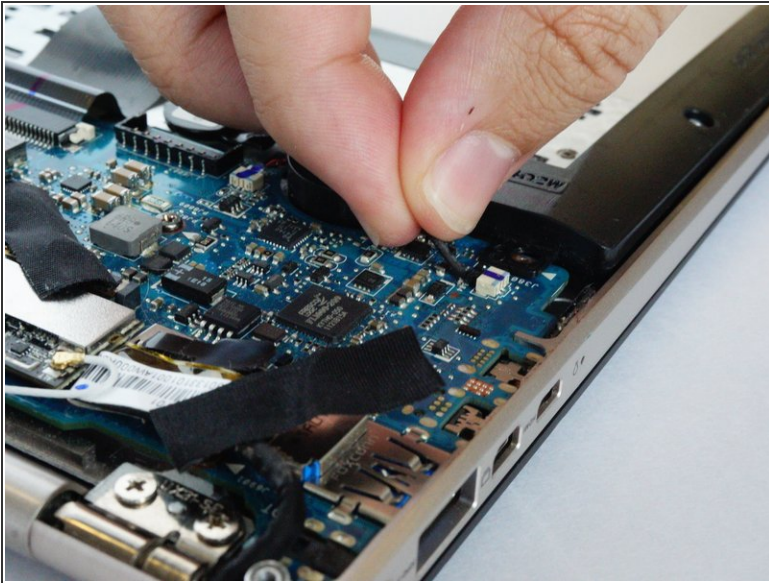
## Step 4



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

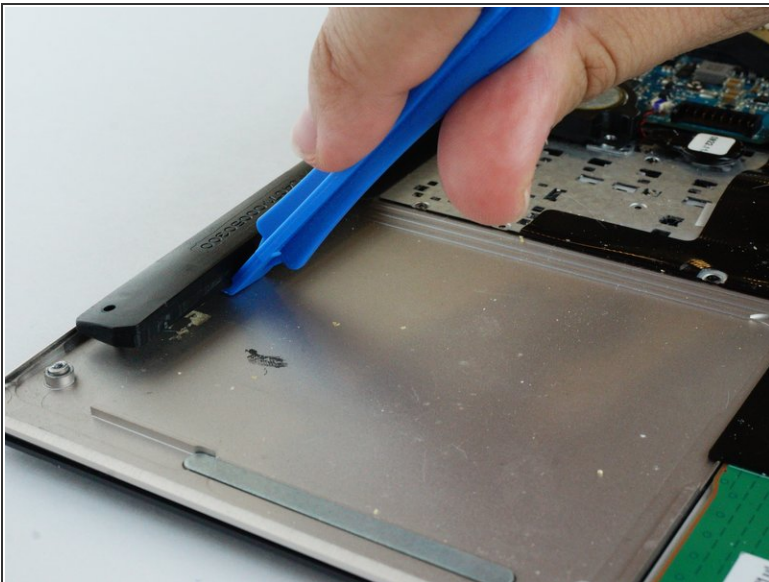


## Step 5



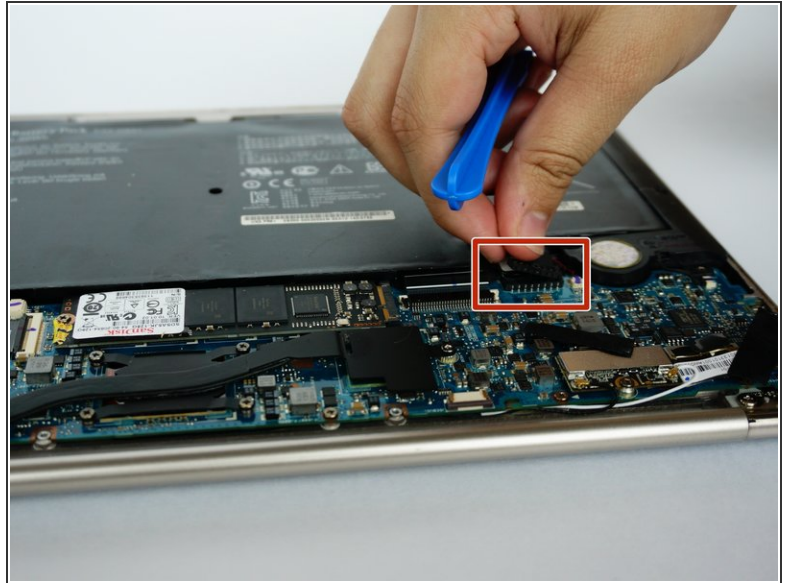
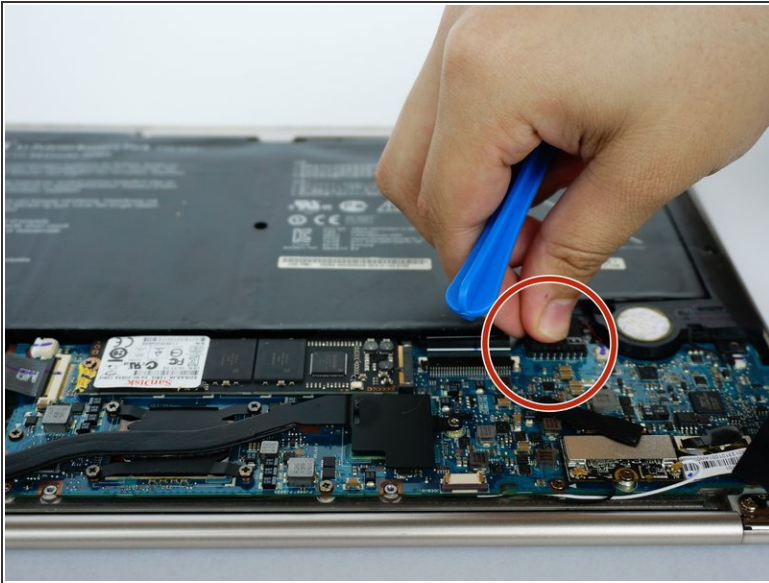
- Disconnect the sound cable from the motherboard.

## Step 6



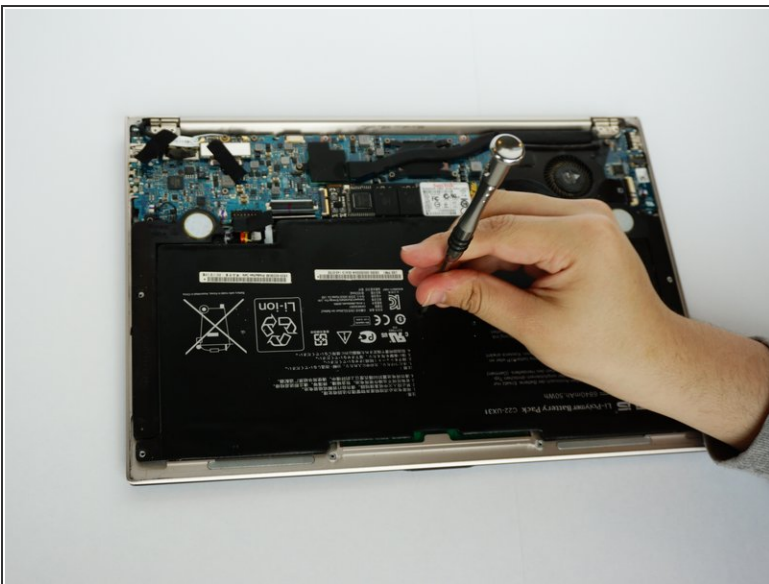
- Using the plastic opening tool, pry the speaker component from the computer.

## Step 7 — Battery



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

## Step 8

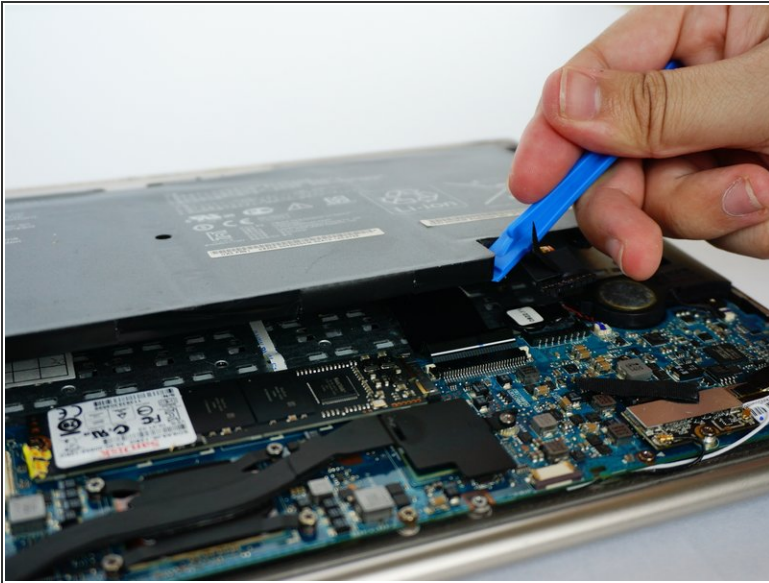


- Using the Phillips #00 screwdriver, remove the screws from the middle and the two corners of the battery.

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

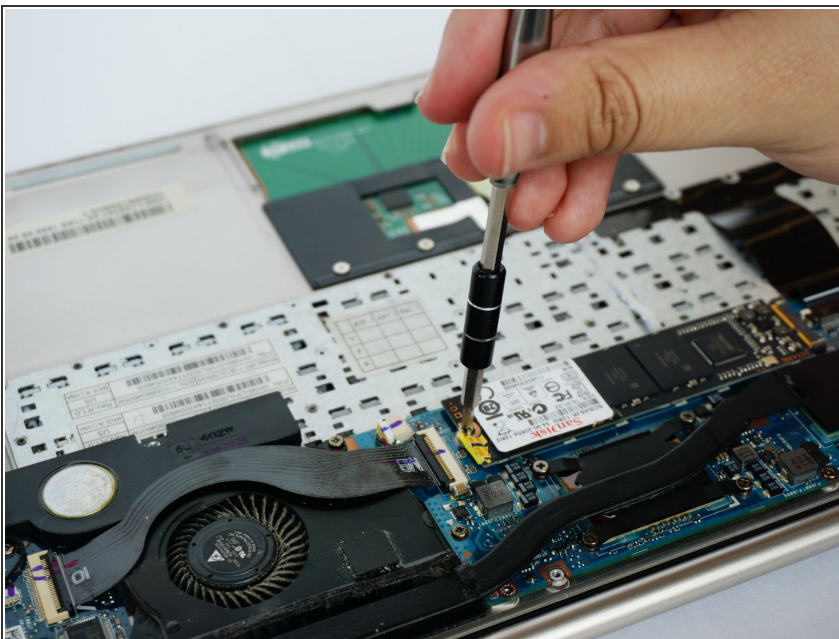


## Step 9



- Remove the battery.

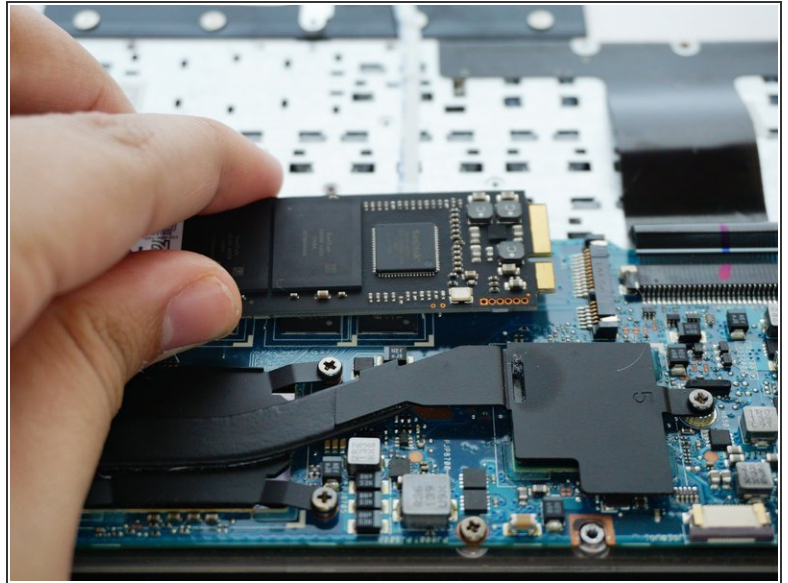
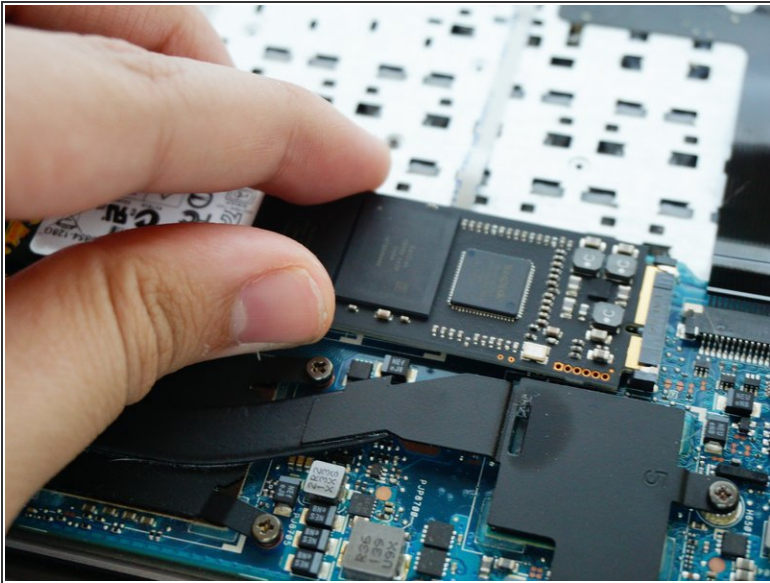
## Step 10 — SSD



- ☑ Attach your Anti-Static Wrist Wrap to something metal as to not shock your system.

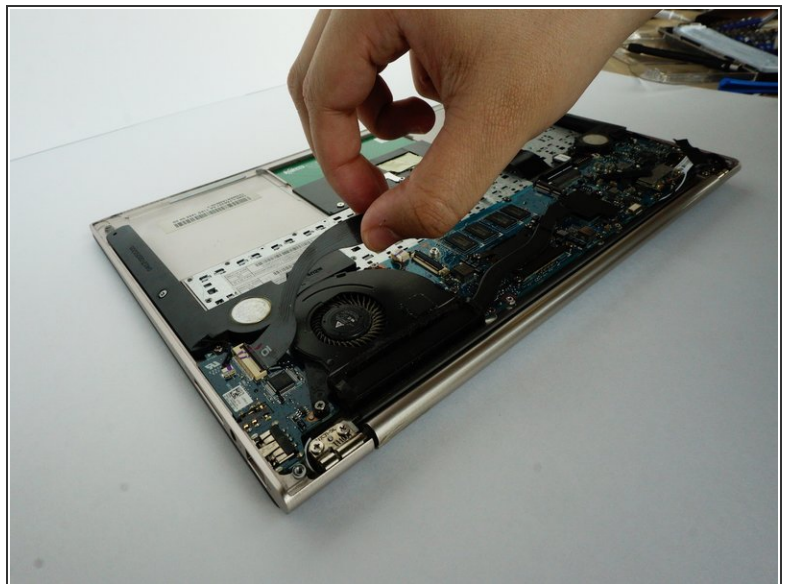
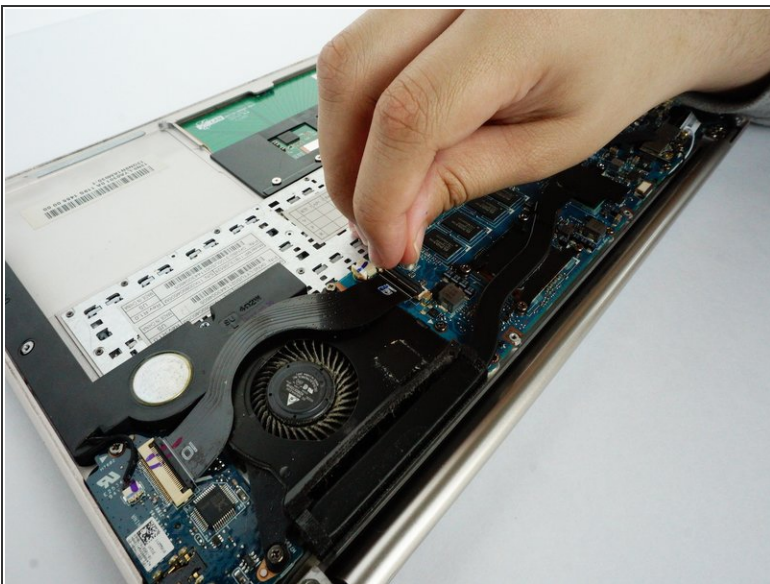
- Peel back the warranty sticker to reveal the screw under it.
- Using your Phillips #00 Precision Screwdriver, unscrew the screw that you just revealed.

## Step 11



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

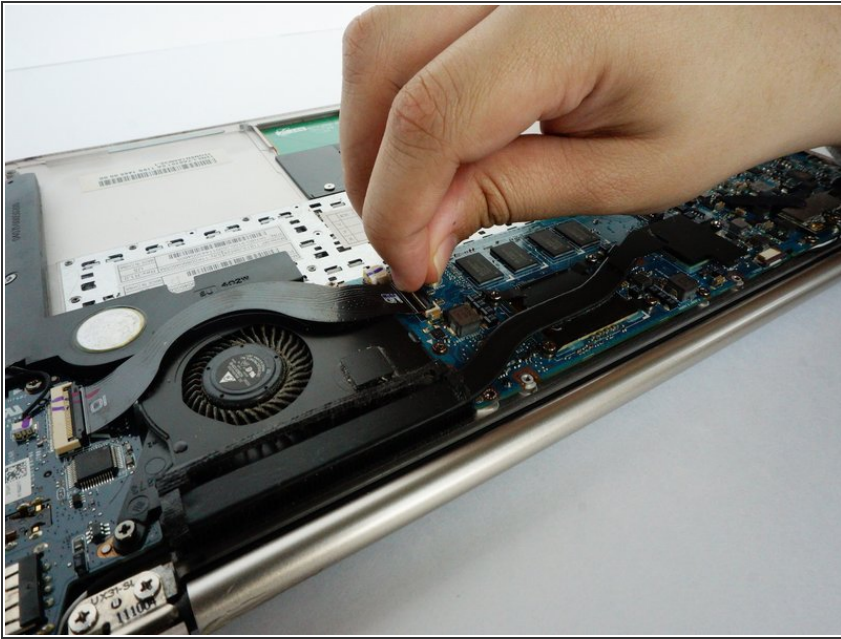
## Step 12 — Fan



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

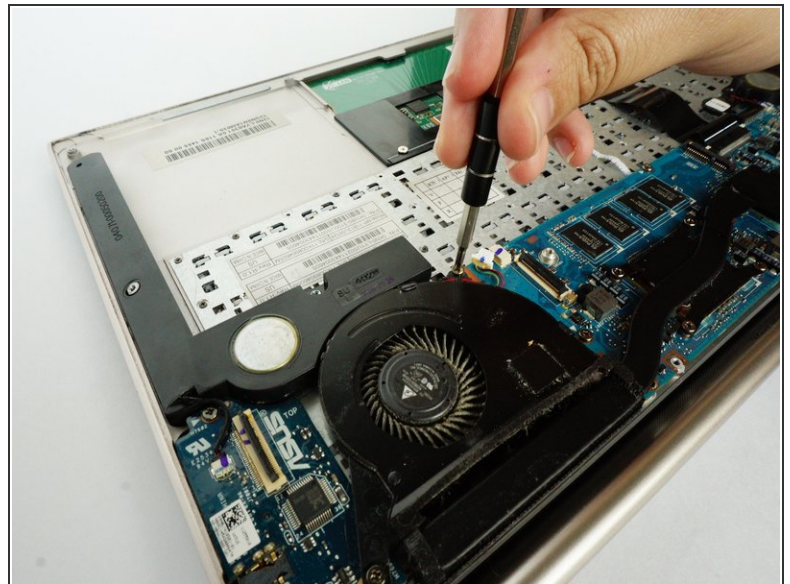
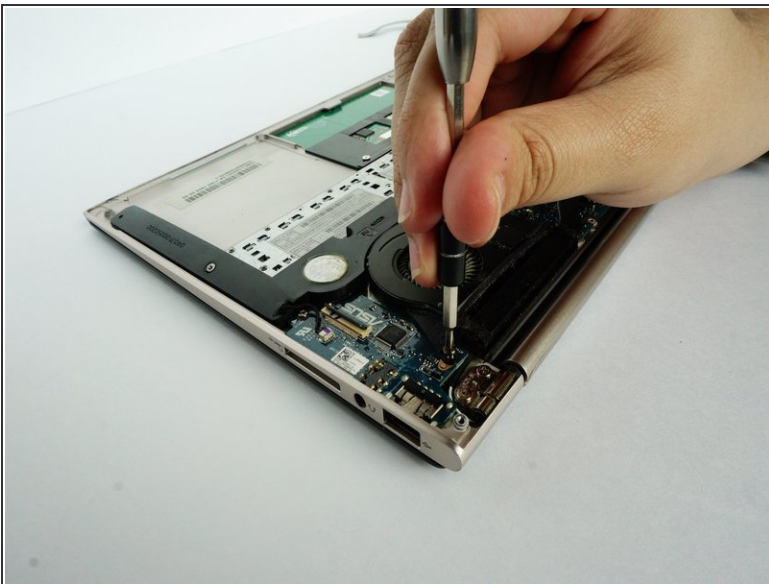


## Step 13



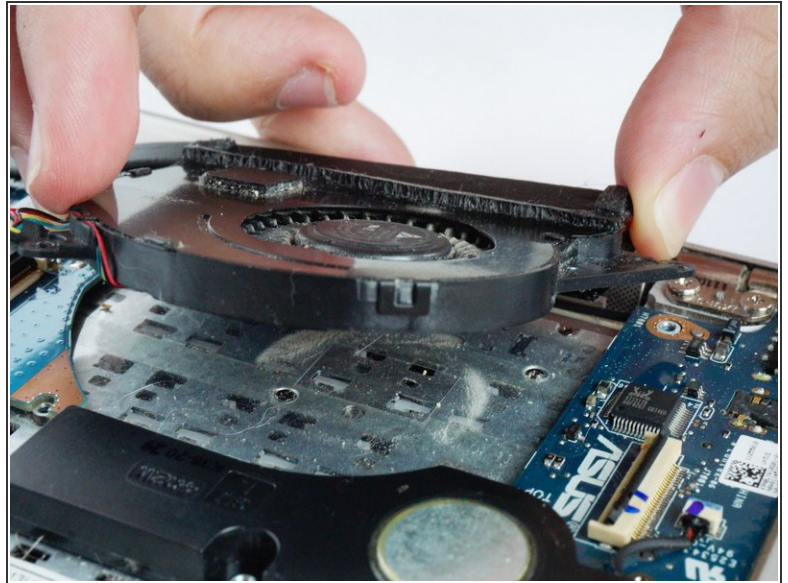
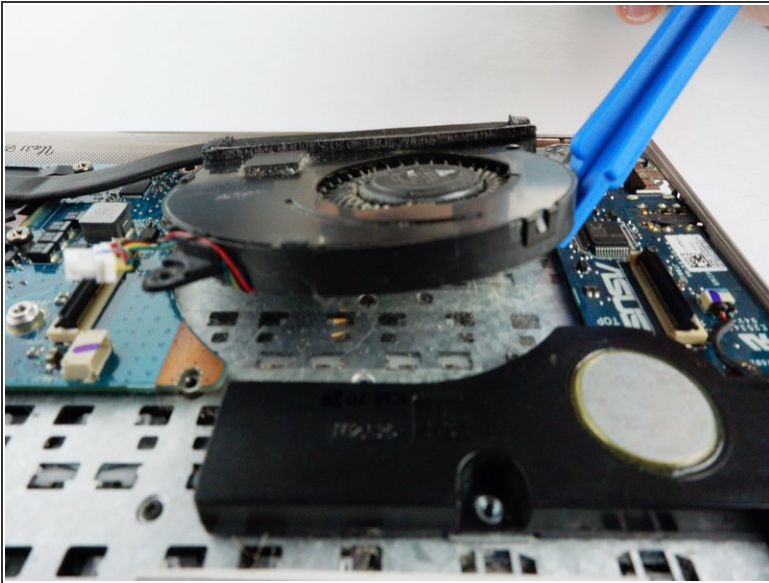
- Disconnect the fan connector from the motherboard.
- Pull up the clips on the ribbon connectors.

## Step 14



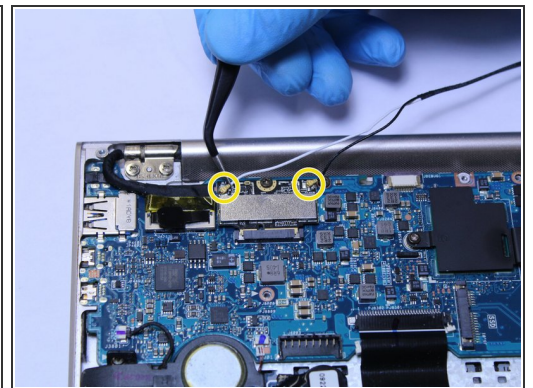
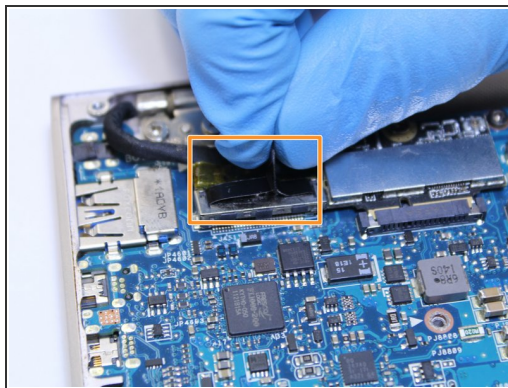
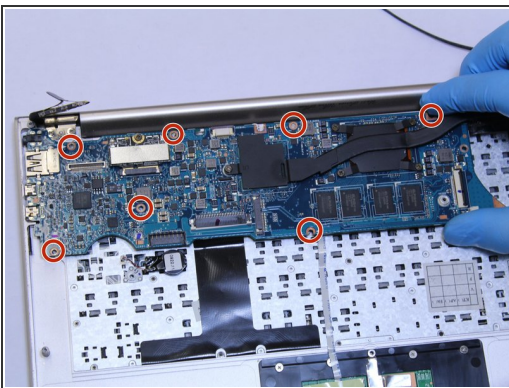
- Unscrew the two screws that are across from each other.

## 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.

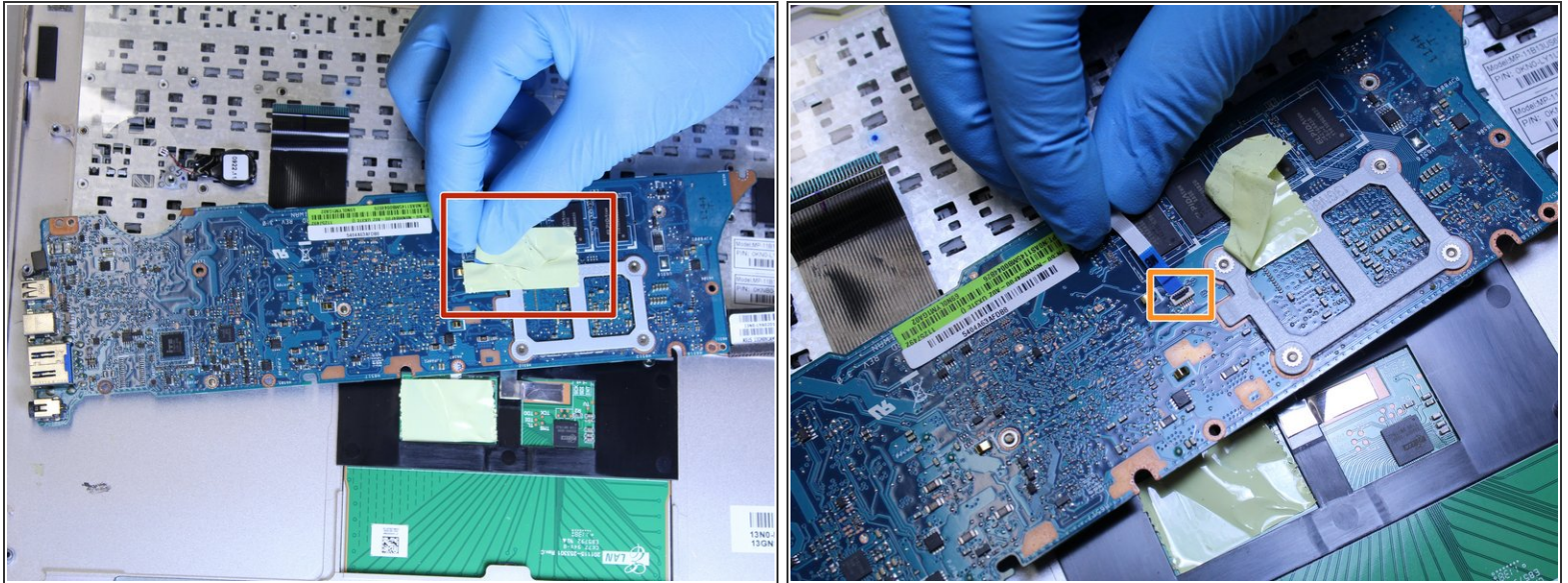
## Step 16 — Motherboard



- 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.

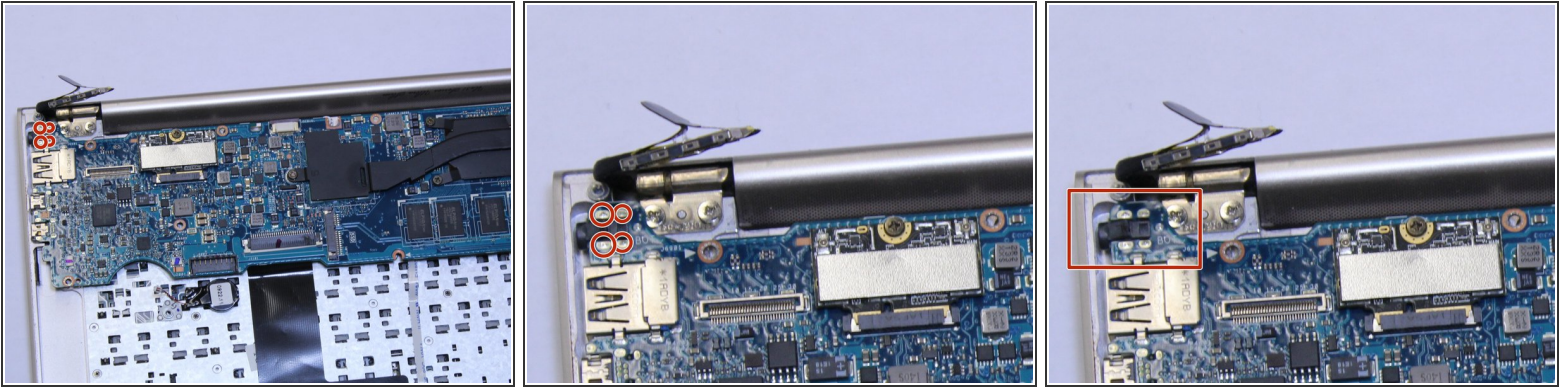


## Step 17



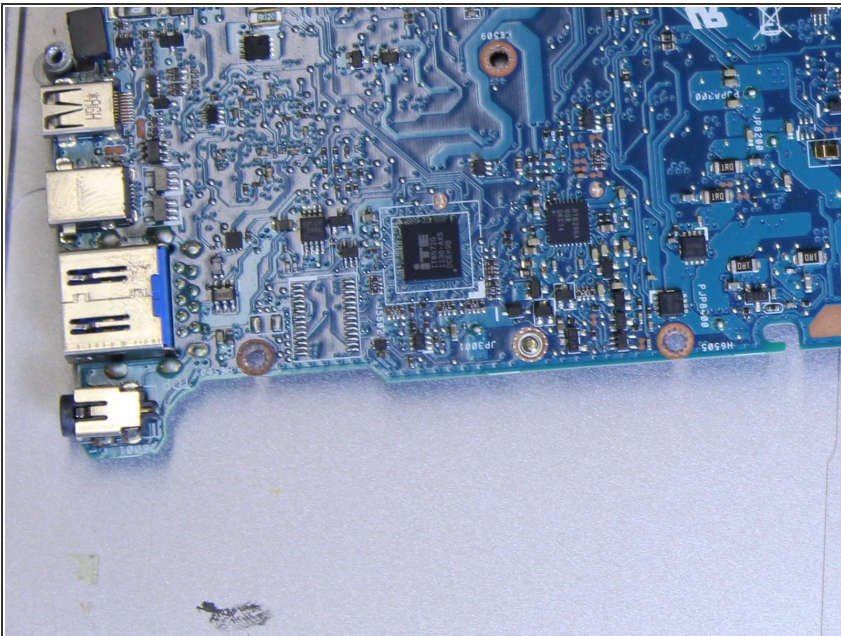
- Lift gently and flip the motherboard over in the direction of the track pad.
- Peel off the the yellow tape.
- Detach the ZIF connector on the underside of the motherboard connecting it to the keyboard.
- Remove the motherboard.

## Step 18 — Charging Port



- Flip motherboard over so that the topside is facing up.
- Use a soldering iron to heat up the four solder points surrounding the charging port.
- [Click here to see how to use a Soldering iron on a motherboard without a heat gun](#)

## Step 19



- Pull the charging port up from the motherboard with a pair of tweezers while the solder is still liquid.

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