



Dell Inspiron 15-7547 Keyboard Replacement

The guide shows the process of removing the keyboard. This should be done if the keyboard needs cleaning, repair, or replacement.

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INTRODUCTION

This guide shows the process of removing the keyboard from the Dell Inspiron 15-7547.

TOOLS:

- [Spudger](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Phillips #0 Screwdriver](#) (1)

Step 1 — Bottom Cover



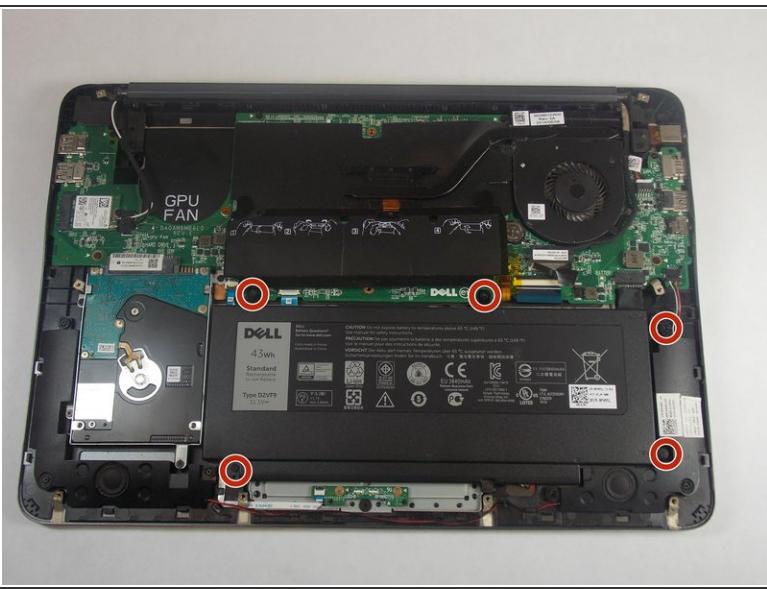
- Close the display and flip the laptop on its back.
- Loosen the ten 5.0 mm-long Phillips #0 screws.
- The four screws marked with orange will remain captive to the cover.

Step 2



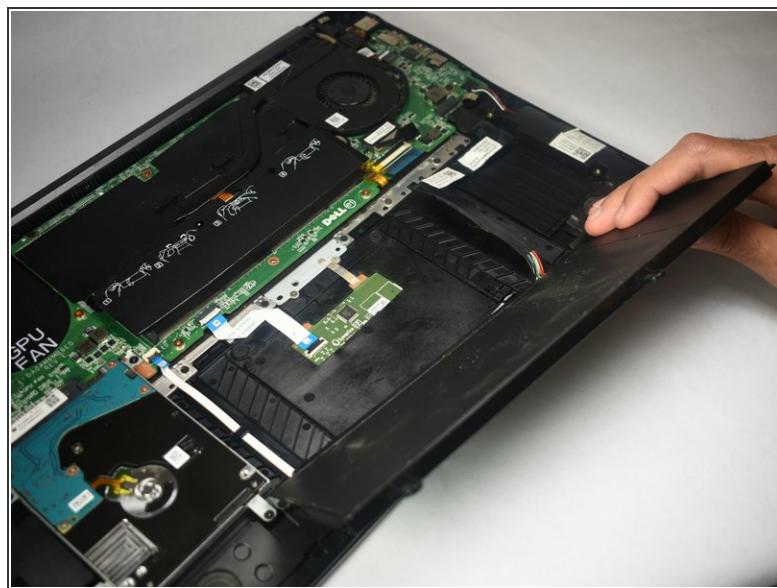
- Pry the cover open with a plastic spudger and remove it.

Step 3 — Battery



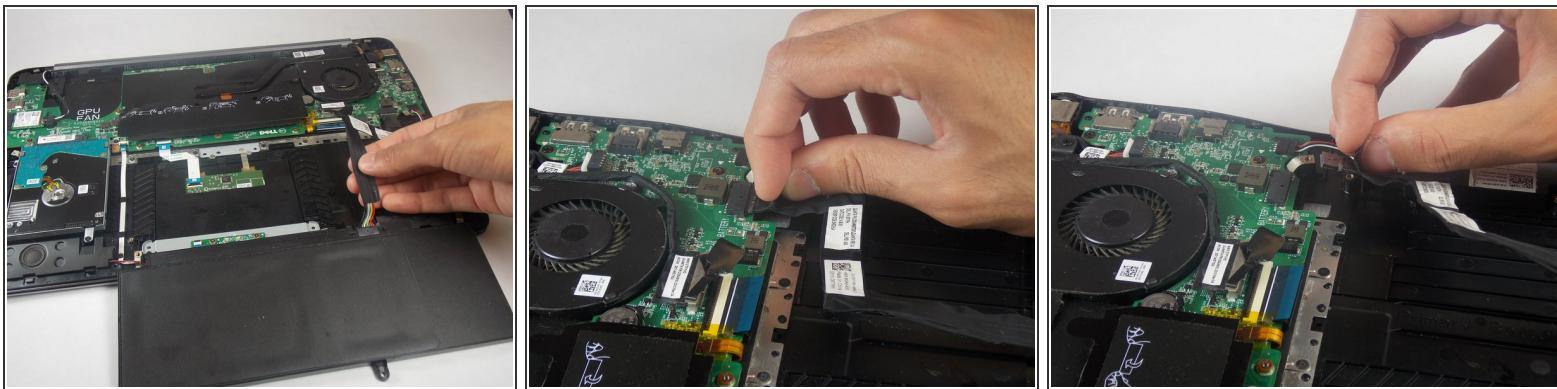
- Remove the five 5.0 mm-long Philips #0 screws that connect the battery to the case.

Step 4



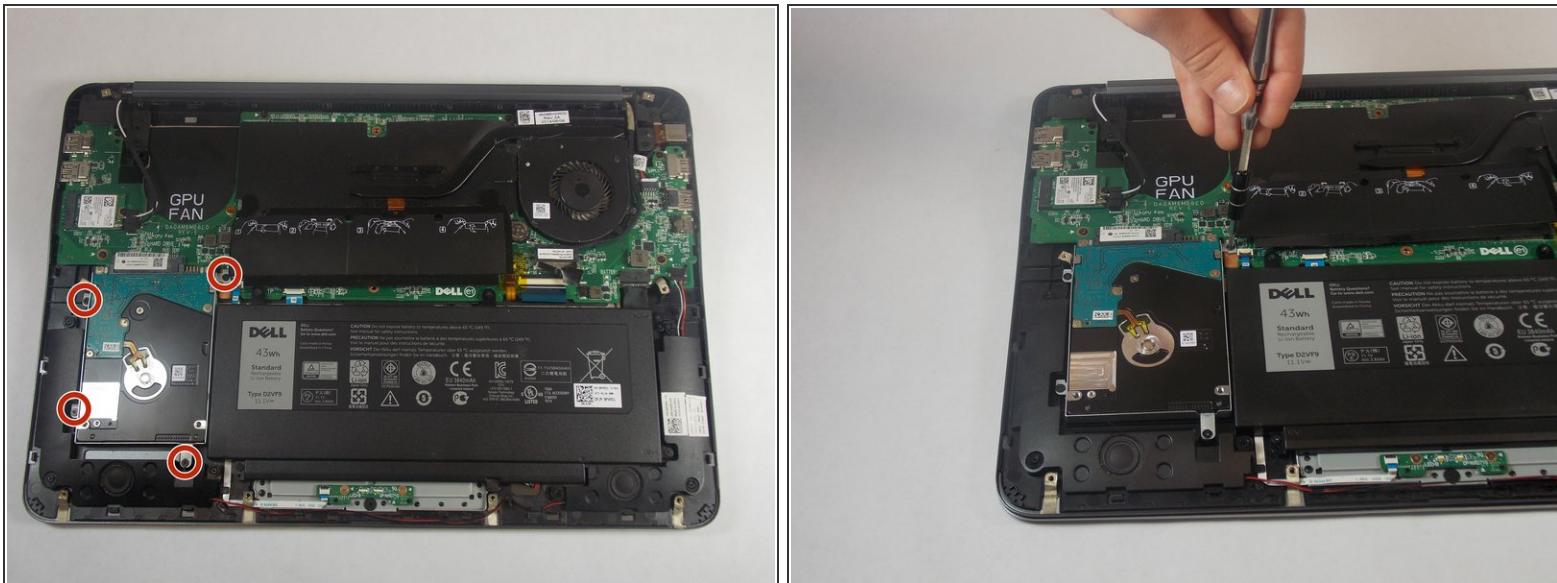
- Lift the battery out of the case.

Step 5



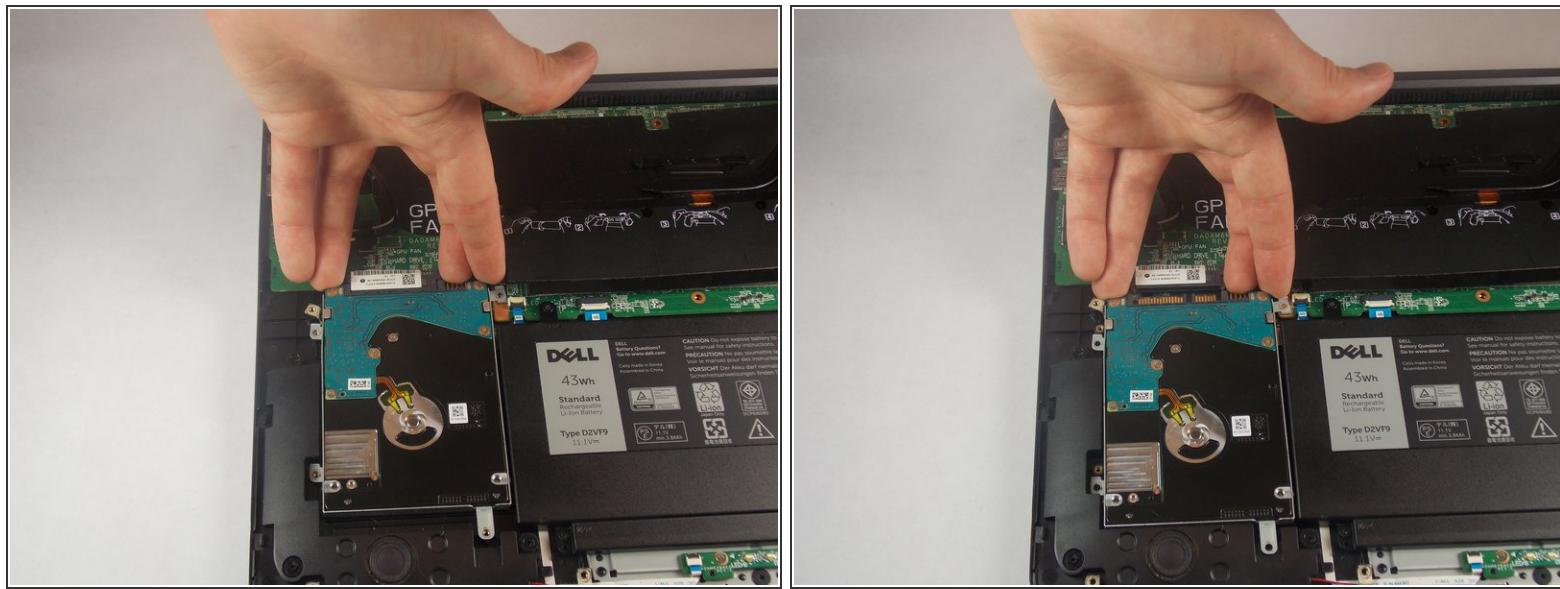
- Disconnect the battery using the pull tab to pull towards the front of the chassis.
- *(i)* Most of the cable is attached to the case with adhesive, which may cause slight resistance.

Step 6 — Hard Drive



- Remove the four 5.0 mm-long Philips #0 screws connecting the hard drive to the chassis.

Step 7



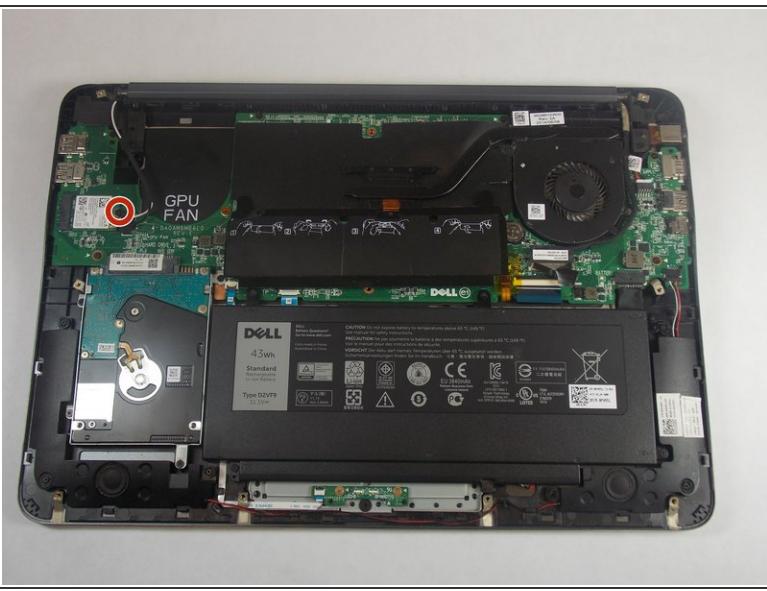
- Disconnect the hard drive from the motherboard by placing your fingers at the back, and pulling forward towards the front of the chassis.

Step 8



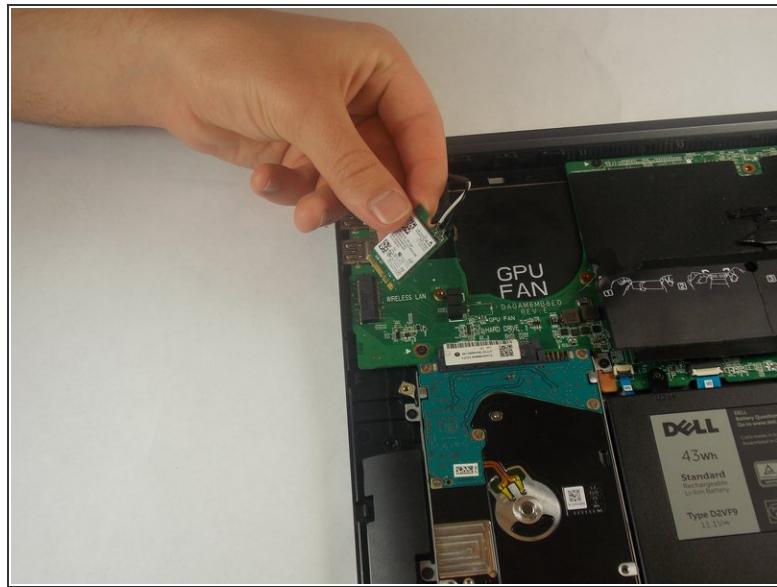
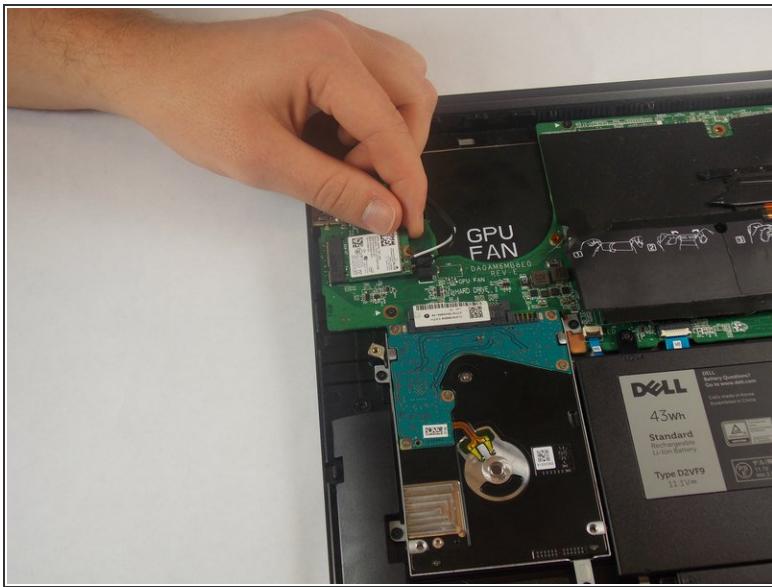
- Lift the hard drive out of the chassis.

Step 9 — WiFi Card



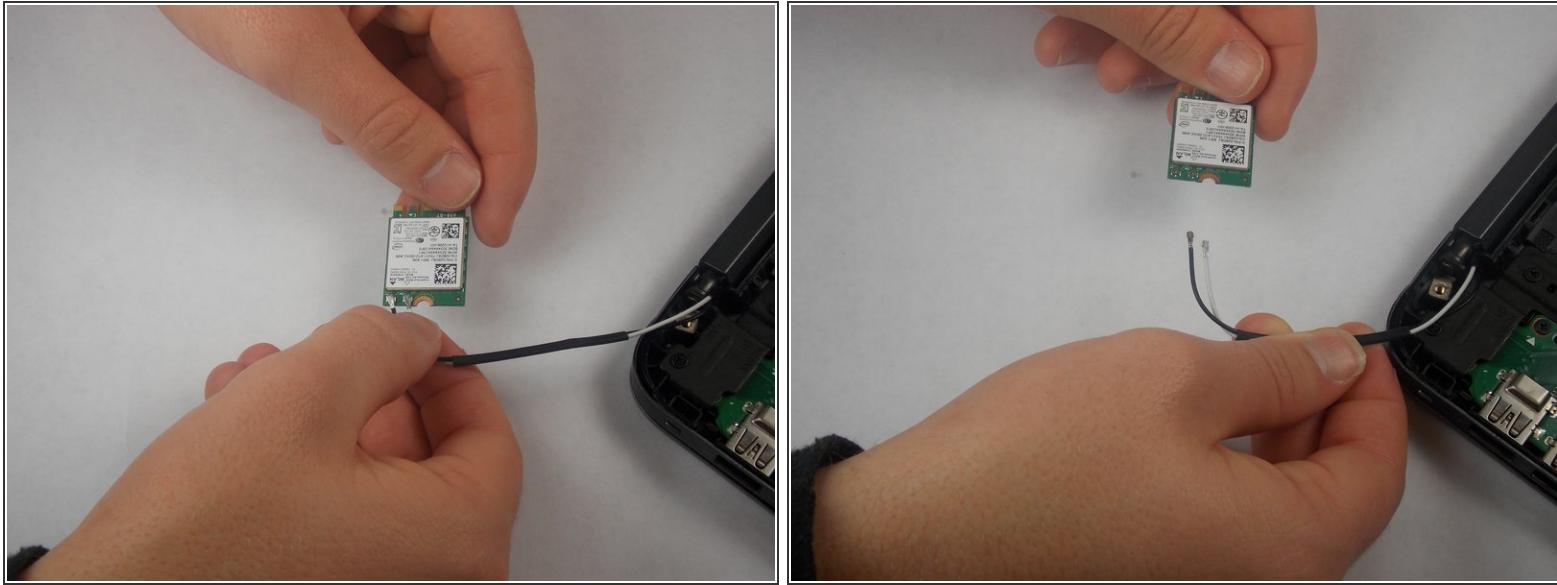
- Remove the 3.0 mm-long Philips #0 screw at the end of the WiFi-Card

Step 10



- Remove the Wifi-Card from its socket by pulling away and up from the connector.

Step 11



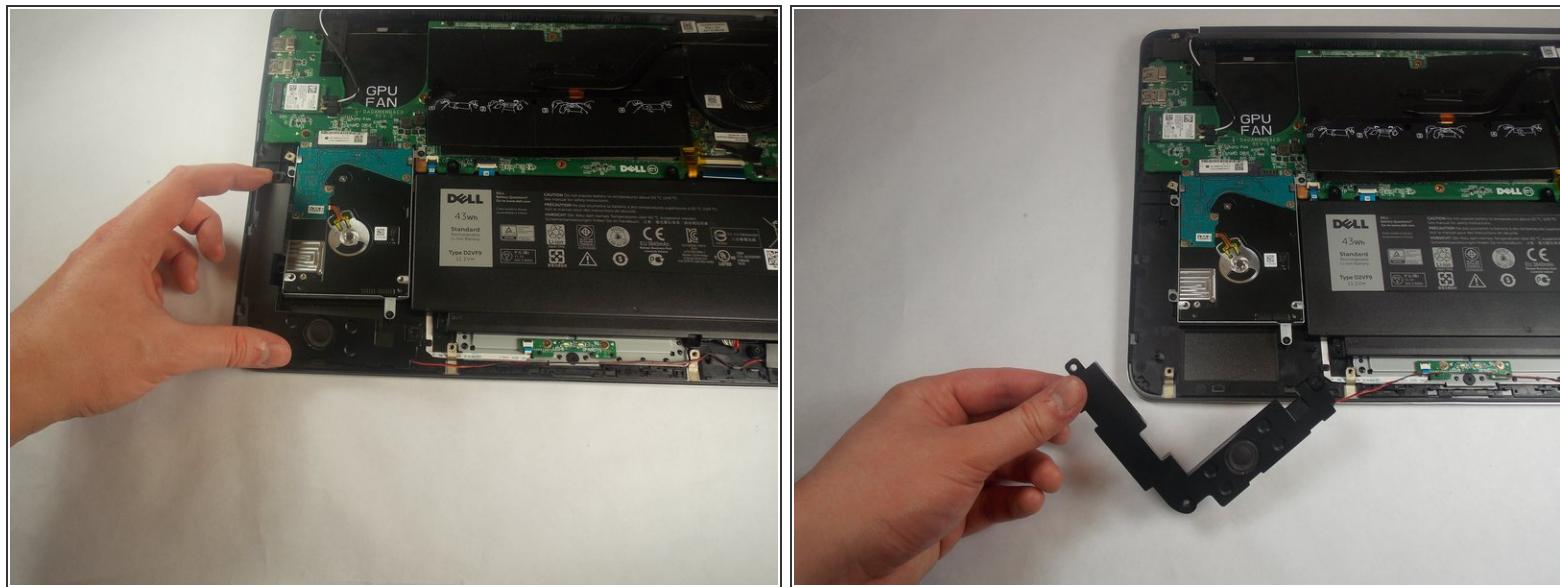
- Disconnect the white and black cables from the WiFi-Card.
- *(i)* Make a note of which wire goes where for reconnecting them to the replacement card.

Step 12 — Speakers



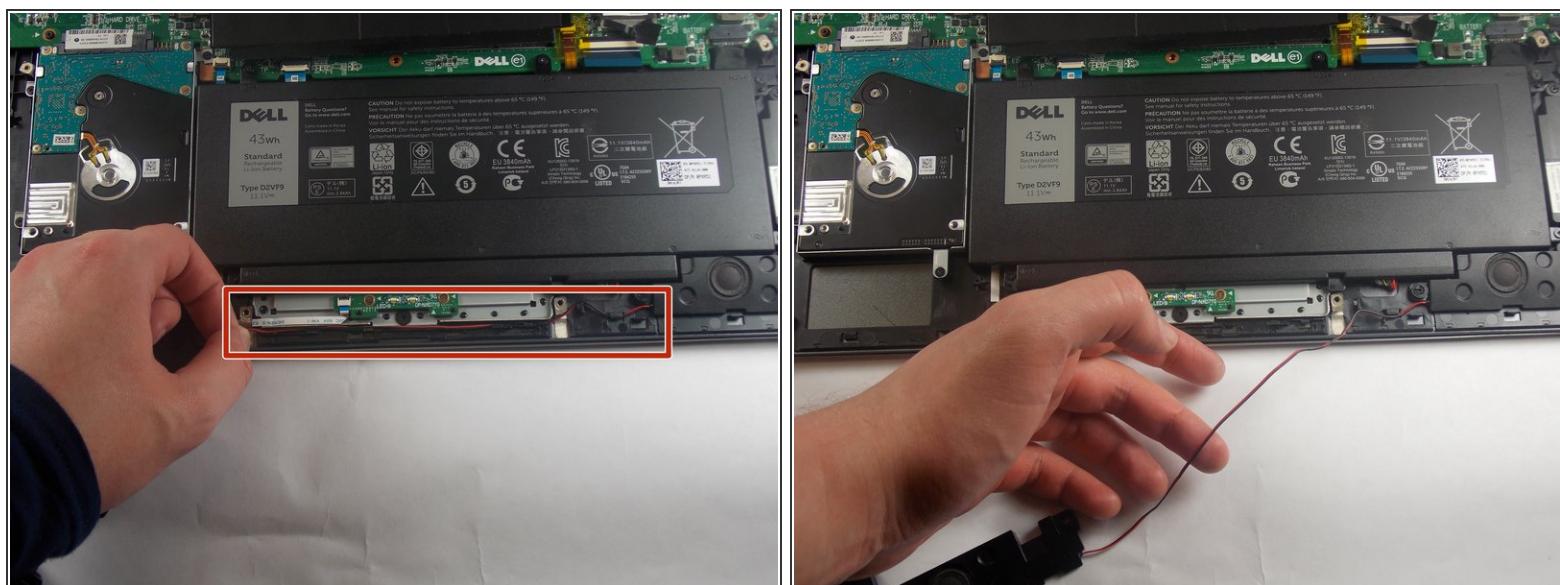
- Orient the computer so that the hinge for the display facing away from you.
- Start removing the speaker on the left by pushing the speaker in the direction of the tick mark on the 2 outer pegs, then upwards
- *(i)* The tick marks on the two marked pegs should indicate the speaker needs to be pushed towards the center of the front of the chassis.

Step 13



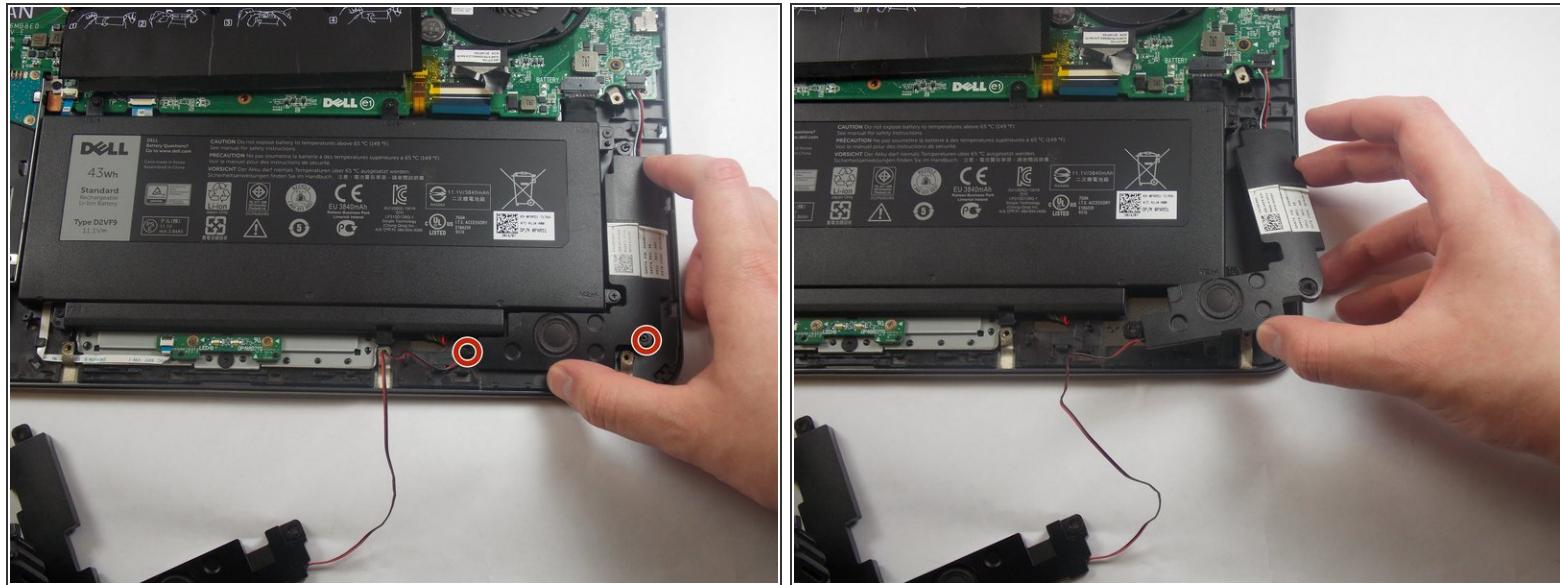
- Remove the left speaker by pushing the speaker in the direction of the tick mark on the center peg, then upwards
- *(i)* The tick mark should indicate towards the middle of the back of the chassis.

Step 14



- Remove the wire connecting the left speaker to the right speaker.
- *(i)* The wire is secured by small notches, be careful not to break these.

Step 15



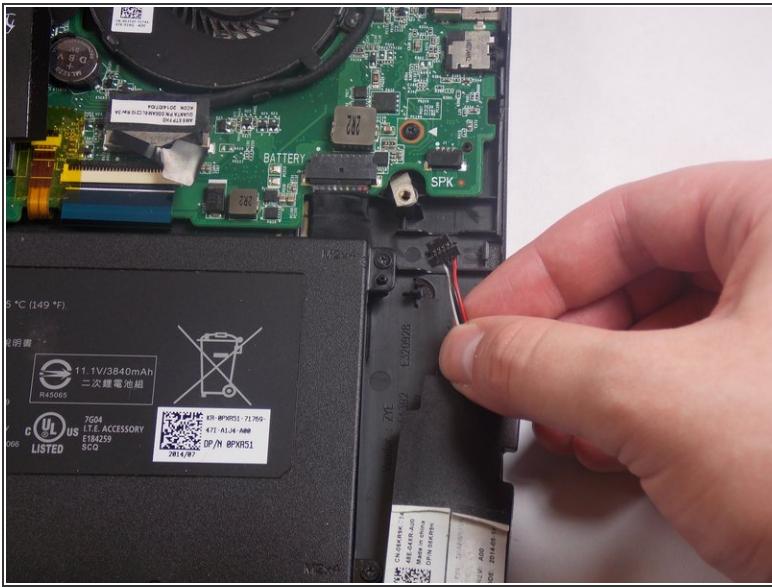
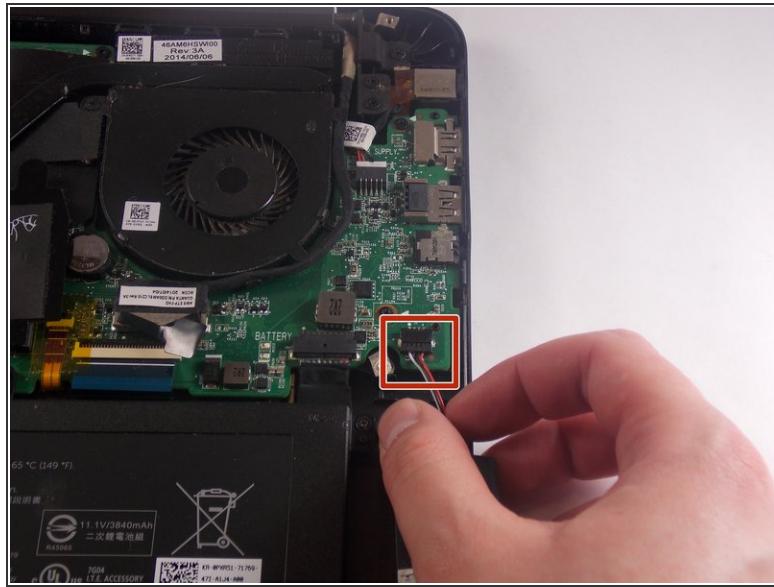
- Start removing the right speaker by pushing the speaker in the direction of the tick marks on the 2 pegs closest to the front of the device, and then upwards.
- (i)* These tick marks should indicate towards the middle of the back of the chassis.

Step 16



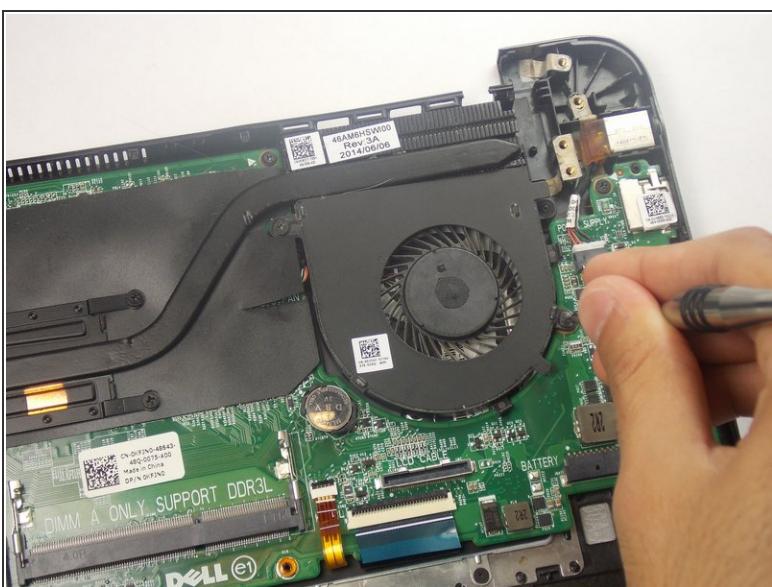
- Remove the right speaker by pushing in the direction of the tick mark on the final peg, and then upwards.
- (i)* This tick mark should point towards the center of the right side of the chassis.

Step 17



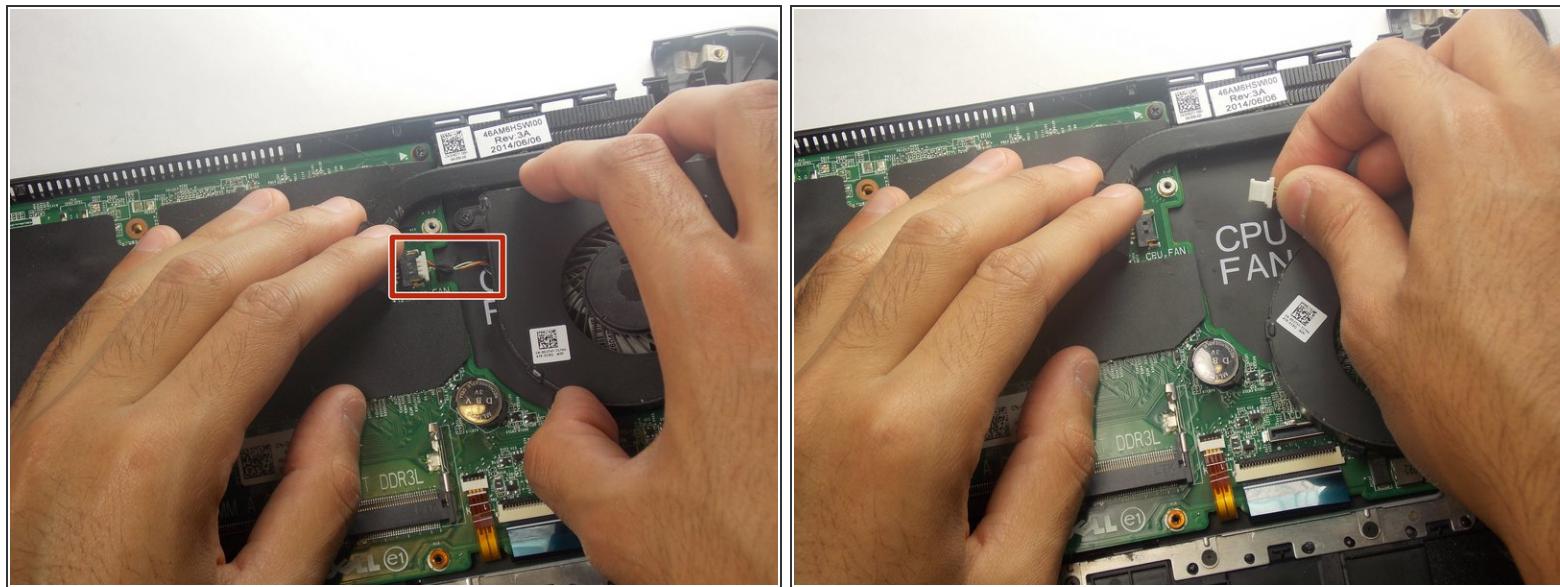
- Remove the cable connecting the right speaker to the motherboard by pulling towards the front of the device.

Step 18 — CPU Fan



- Remove the two 5.0 mm-long Philips #0 screws from the fan.
- The screw marked in orange will remain captive to the fan.

Step 19



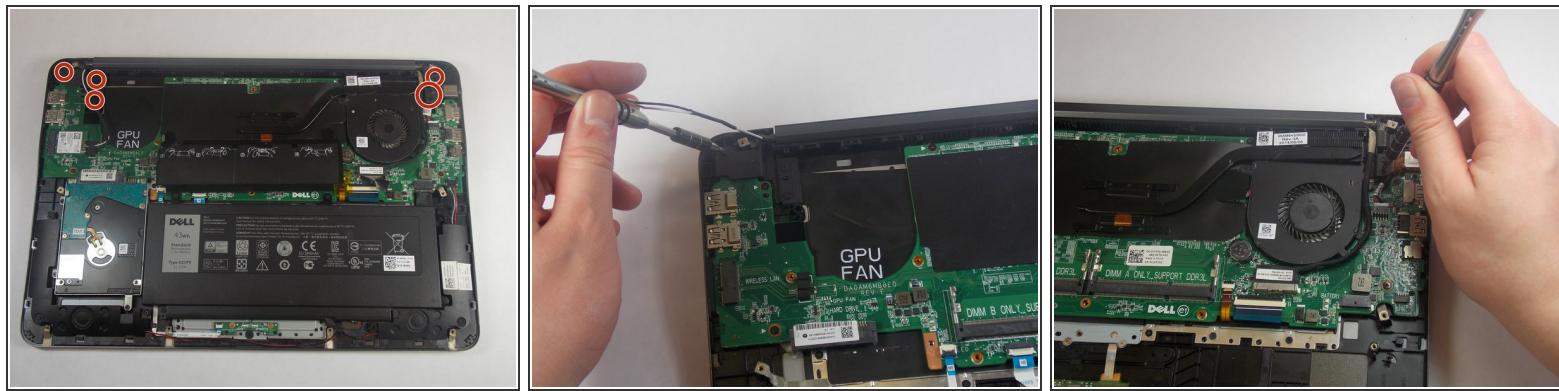
- Disconnect the wire that connects the fan to the motherboard. This can be found under the flap directly to the left of the fan.

Step 20



- Lift the fan out of the chassis.

Step 21 — LCD Assembly



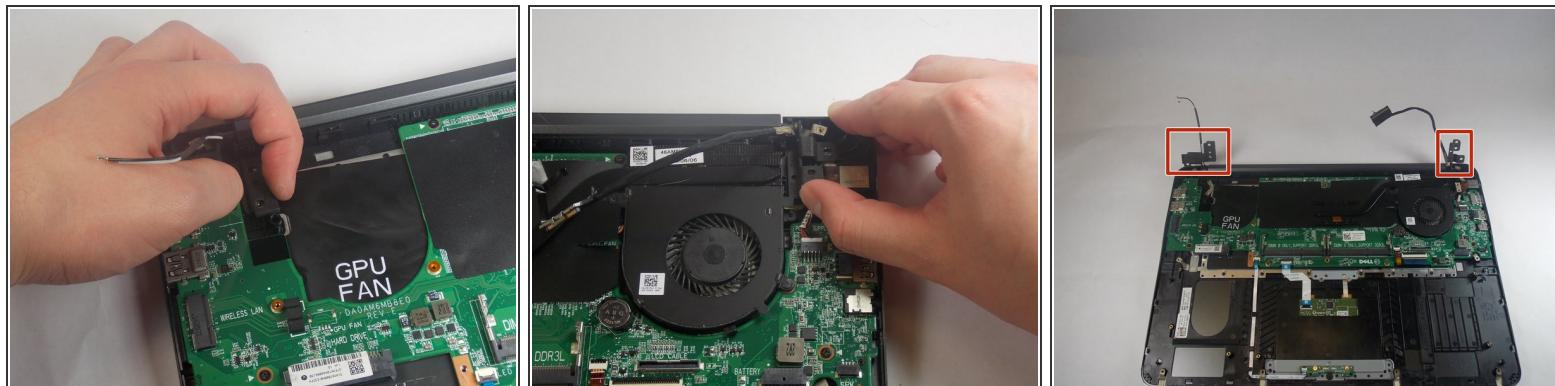
- Remove the six 7.0 mm-long Philips #0 screws that mount the hinges.

Step 22



- Use a spudger to unlatch and unplug the display cable.
 - There will be a notch on the side of the connector.

Step 23



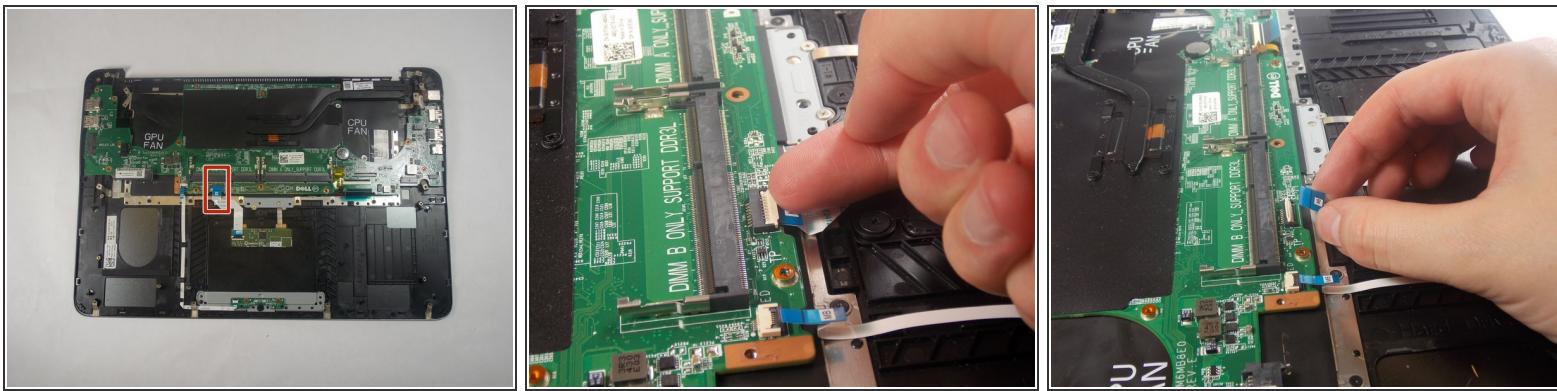
- Raise the left and right hinges.

Step 24



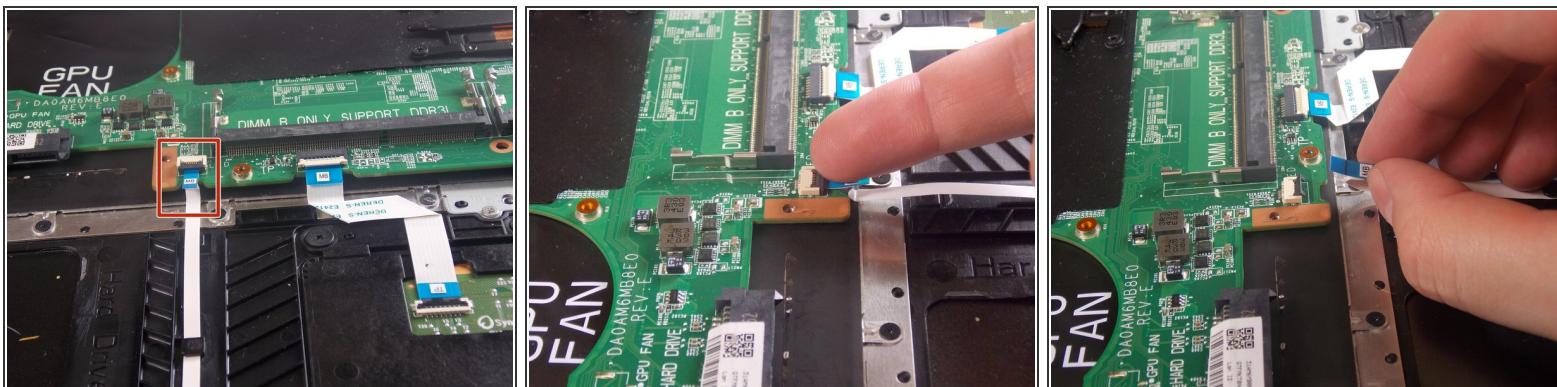
- Remove the LCD display assembly from the laptop.

Step 25 — Motherboard



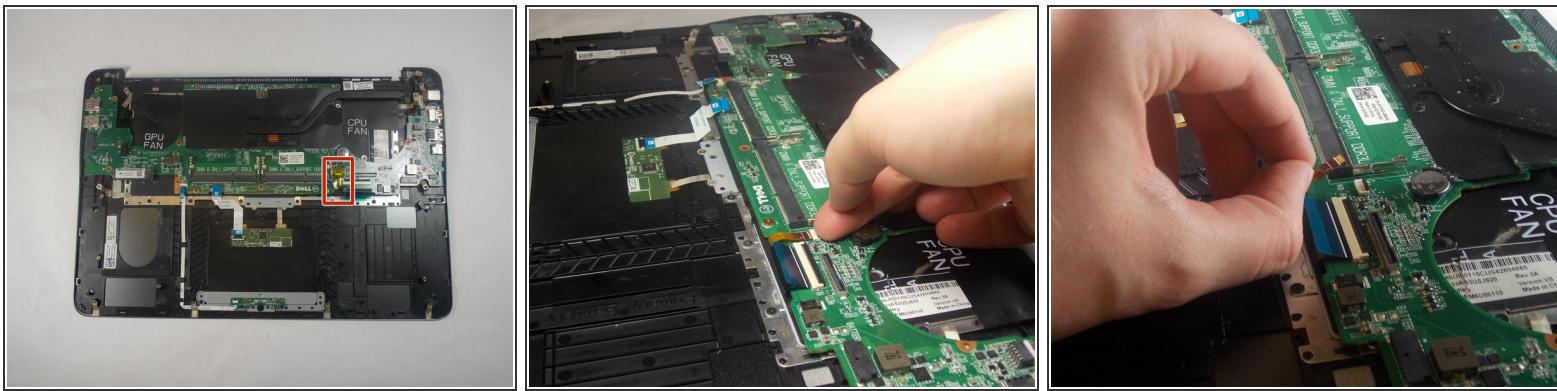
- Unlatch the ribbon cable by pulling the white release up.
- If this proves to be difficult using your fingers, try a plastic spudger.
- Hold the blue flap and pull to unplug the cable.

Step 26



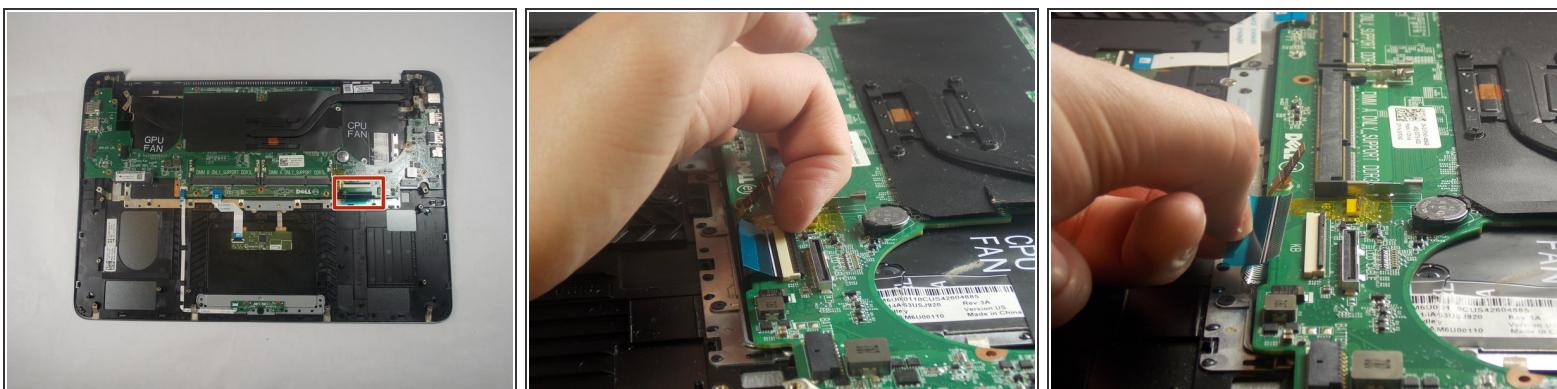
- Unlatch black release on the ribbon cable.
- Hold the blue flap to unplug the cable.

Step 27



- Unlatch the ribbon cable by pulling the black release up.
- *ⓘ* Unlike the others, this release is found at the back.
- Hold the flap and unplug the cable.

Step 28



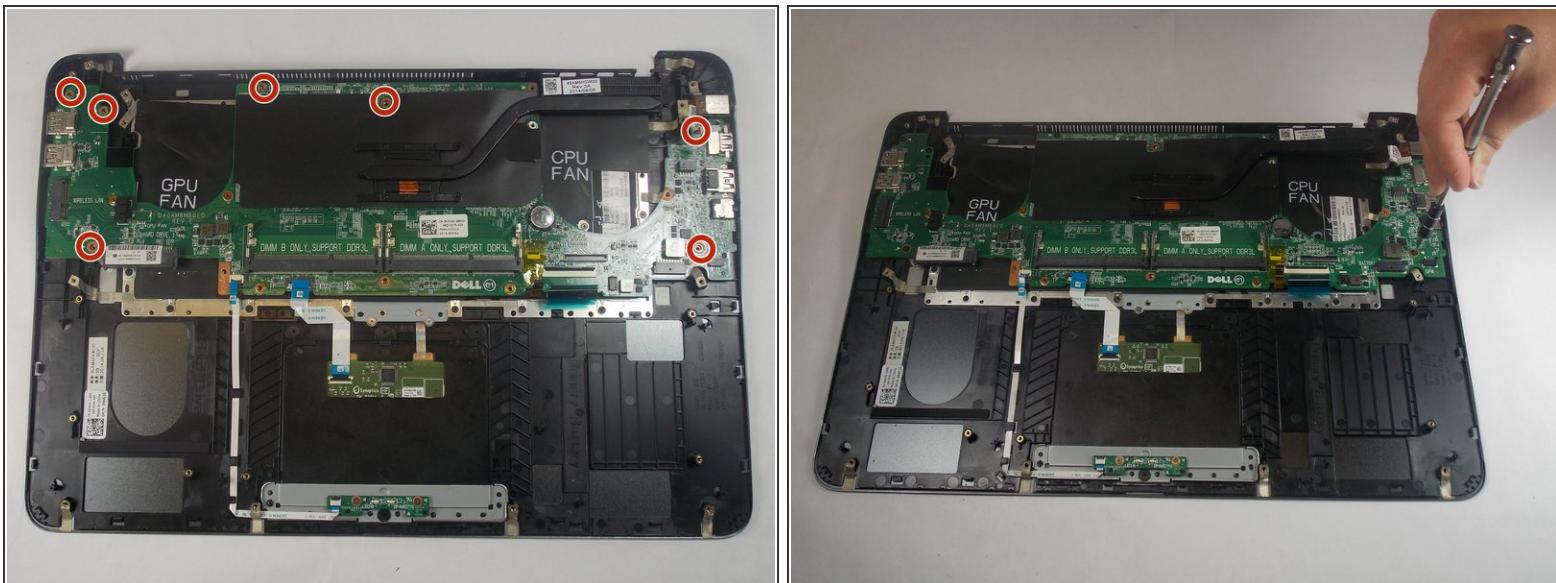
- Unlatch the ribbon cable by pulling the black release up.
- *ⓘ* Unlike the others this release is found at back.
- Hold the blue flap and unplug the cable.

Step 29



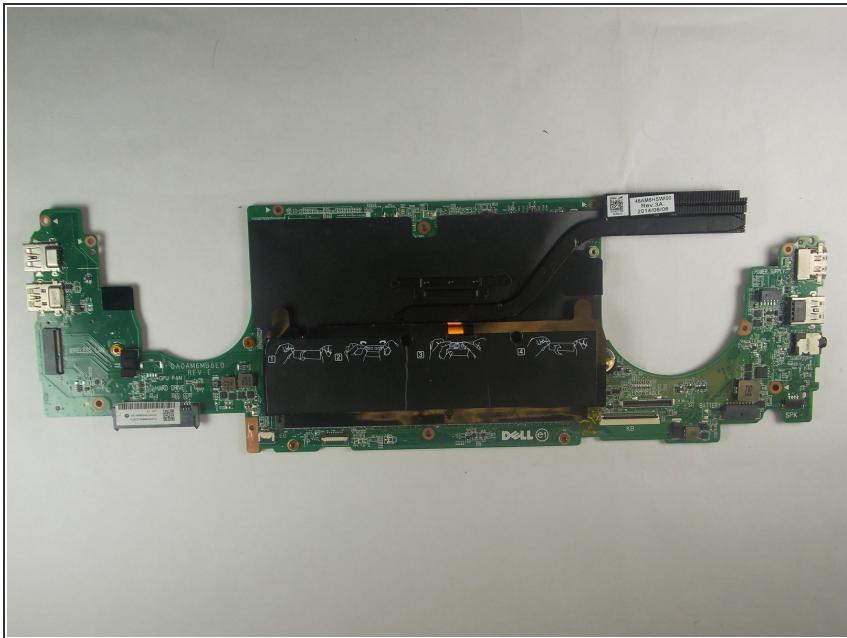
- Unplug the DC jack cable.

Step 30



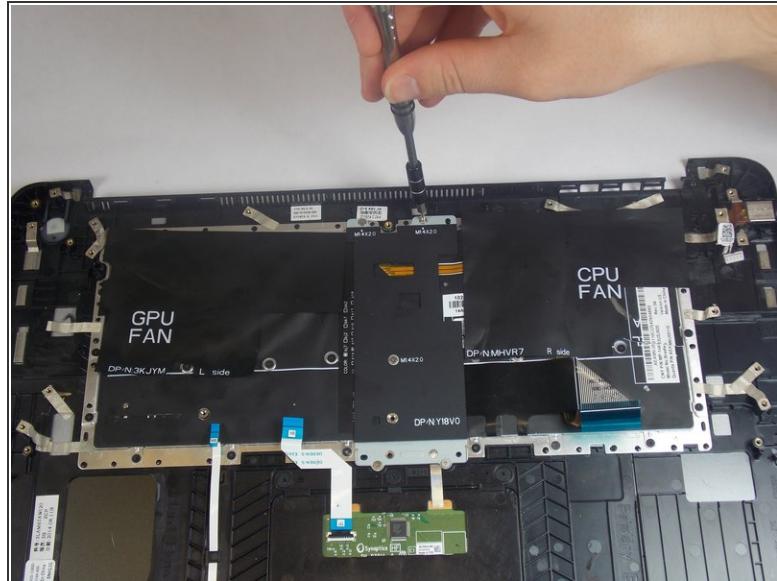
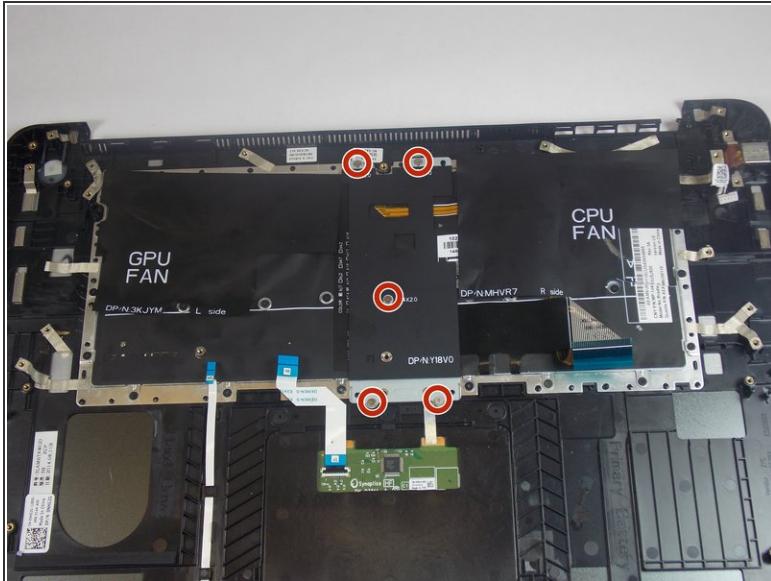
- Remove the seven 3.0 mm-long Philips #0 screws that secure the motherboard.

Step 31



- Remove the motherboard from the laptop.

Step 32 — Keyboard



- Remove the five 2.0 mm-long Philips #00 screws from the metal back-plate.

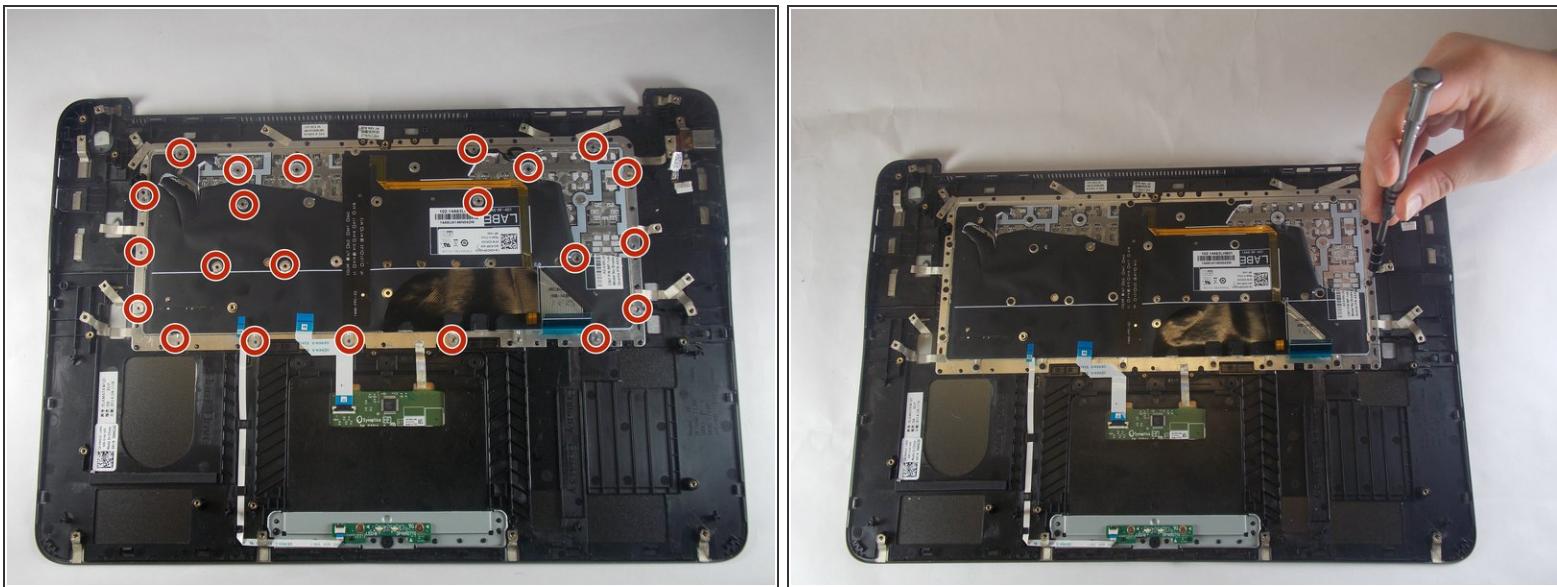
Step 33



- Peel away the two plastic covers marked GPU fan and CPU fan.

(i) If never previously removed, these covers should be removed very gently so as to not tear the plastic underneath.

Step 34



- Remove the twenty-two 2.0 mm-long Philips #00 screws that connect the keyboard to the chassis.

Step 35



- Lift the the keyboard from the chassis.

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