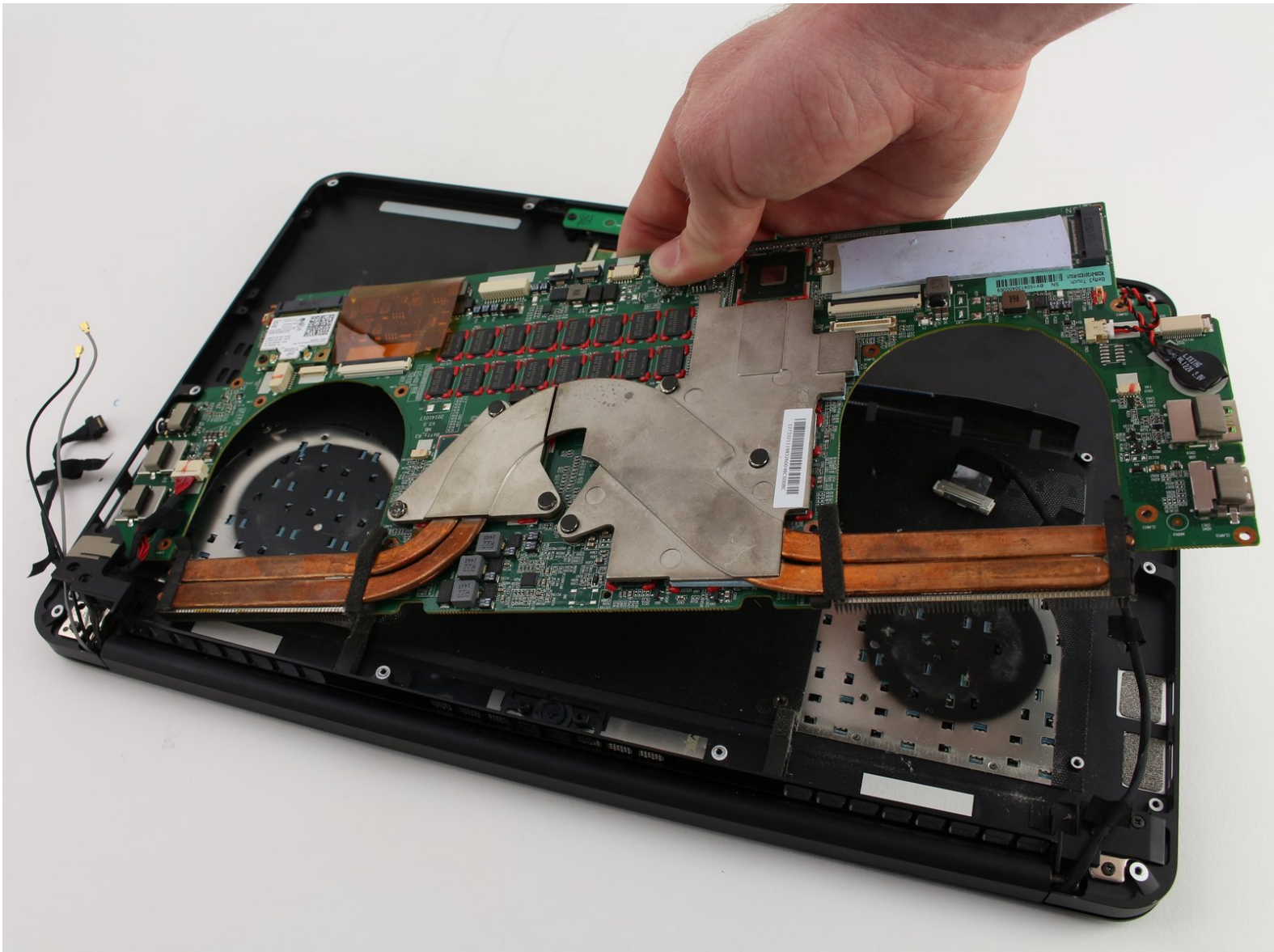




Razer Blade RZ09-0130 2015 Motherboard Replacement

If your Razer Blade RZ09-0130 2015 isn't...

Written By: Carson Kellerman



INTRODUCTION

If your Razer Blade RZ09-0130 2015 isn't starting or its performance is lackluster, your motherboard may be damaged. Because the motherboard is the most essential component to a computer, proceed with extra caution when going through these instructions. Although other components may work as expected, they could become damaged if the motherboard is mishandled.



TOOLS:

- [T5 Torx Screwdriver](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [Spudger](#) (1)
-

Step 1 — Back Panel



⚠ Be sure to power off the device before beginning.

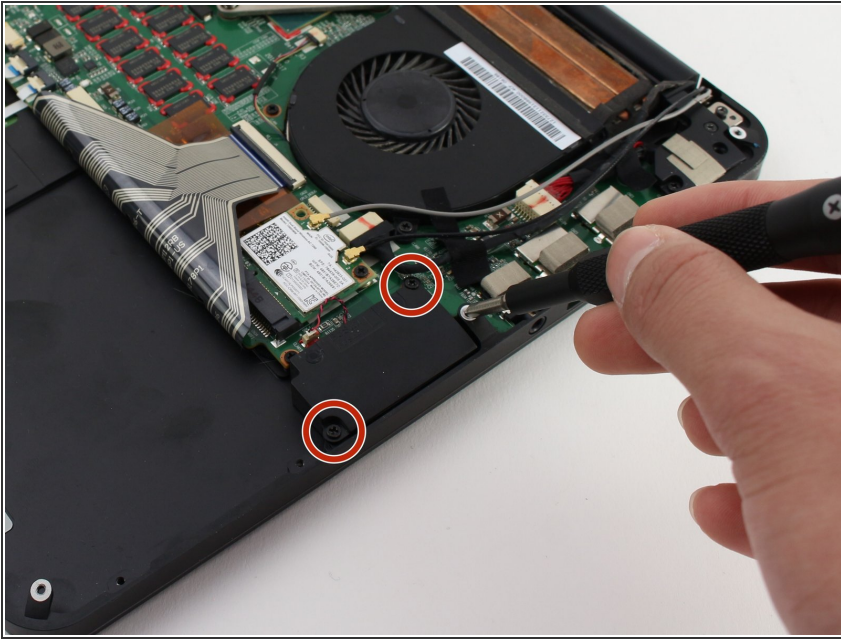
- Use a Torx T5 screwdriver to remove the ten 3 mm screws along the edge of the back panel.

Step 2



- Remove the back panel from the laptop by sliding it away from the hinge.
- ⓘ This device is missing the battery. Make sure to detach the battery connector before proceeding with laptop repairs.

Step 3 — Speaker



- Using the Phillips #0 screwdriver, remove the two 3mm screws from the right speaker.

Step 4



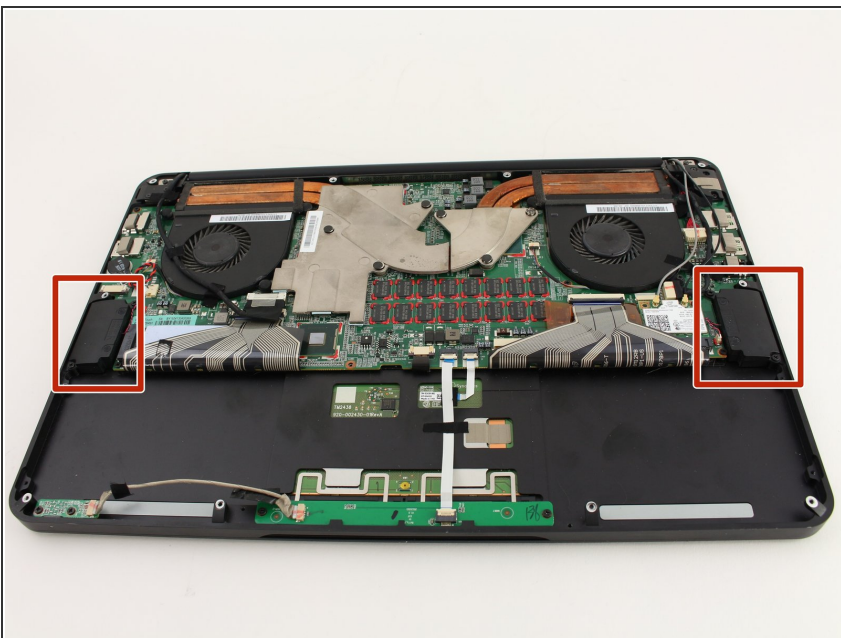
- Using your fingers, gently pull on the wire connecting the speaker to the motherboard until it disconnects.

Step 5



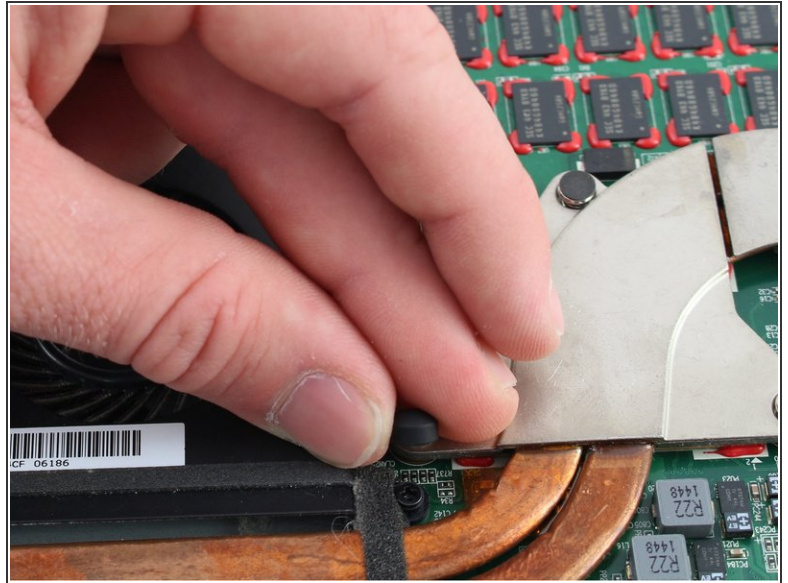
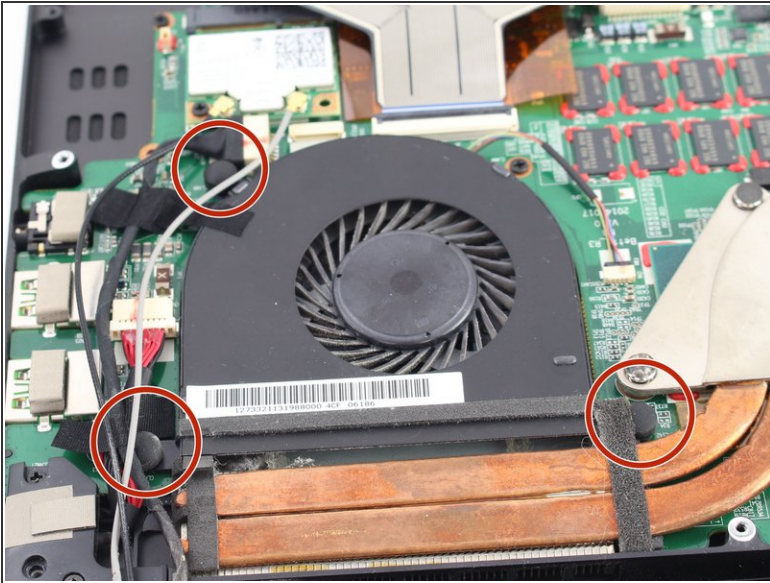
- Pick up and remove the speaker.

Step 6



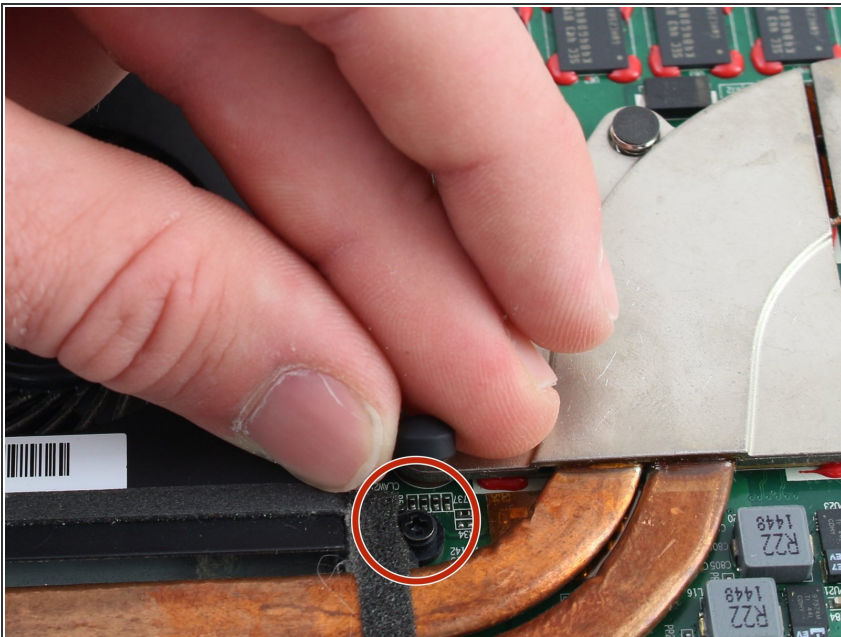
- Repeat the preceding steps to remove the second speaker.

Step 7 — Fan



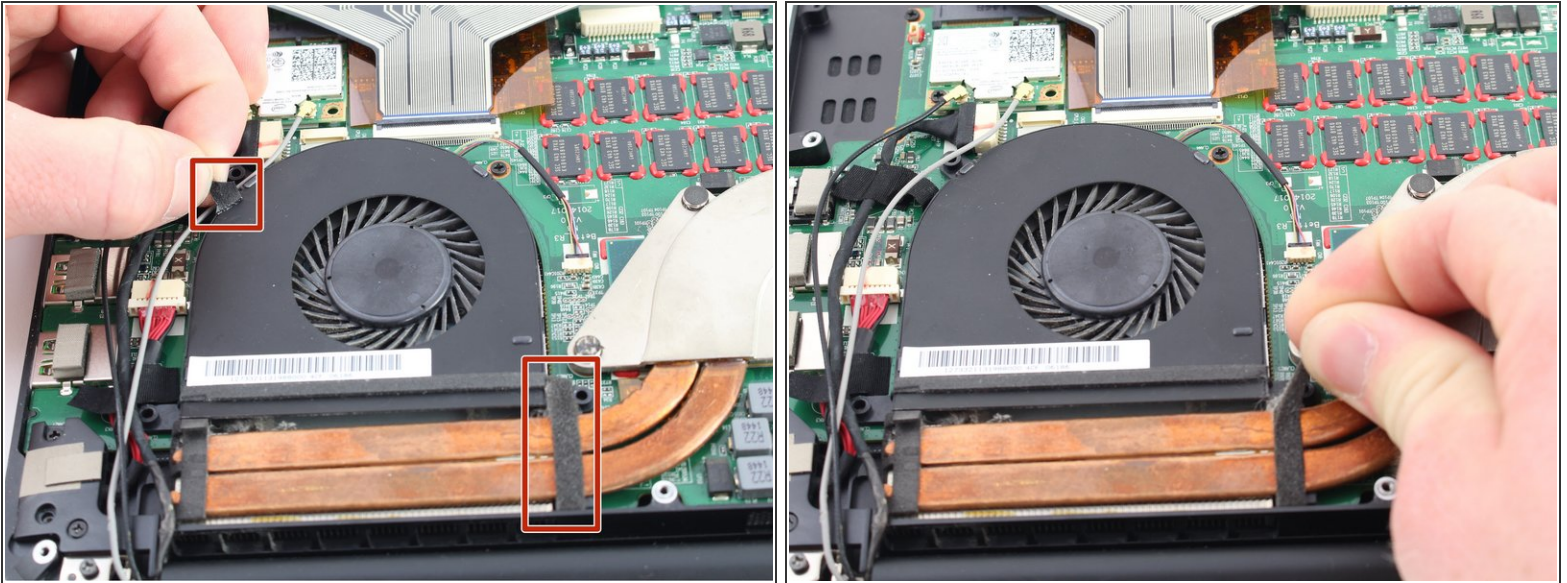
- Remove the three screw caps by pulling them upward with your fingers.

Step 8



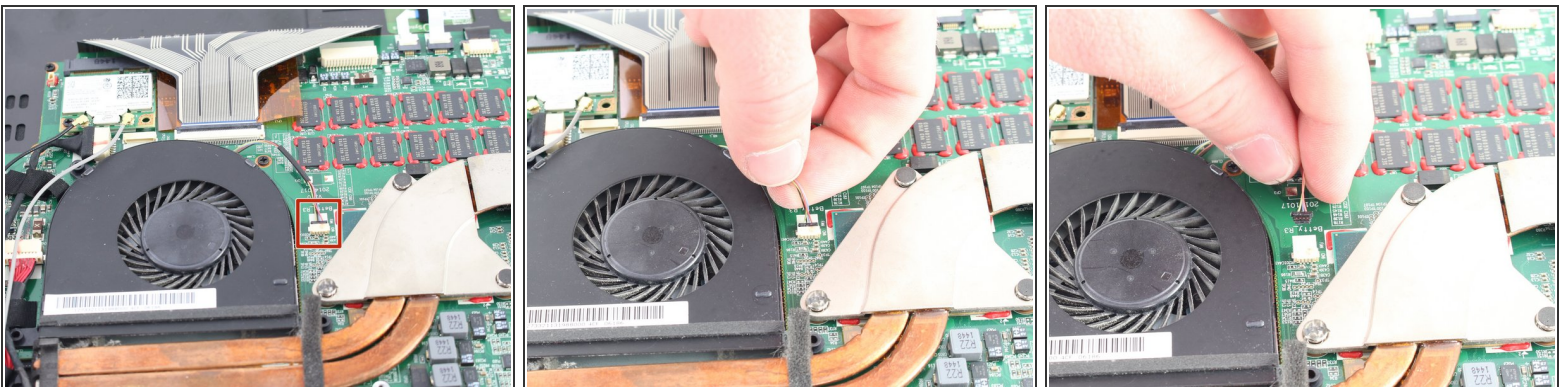
- Remove the three 3mm Phillips #0 screws.

Step 9



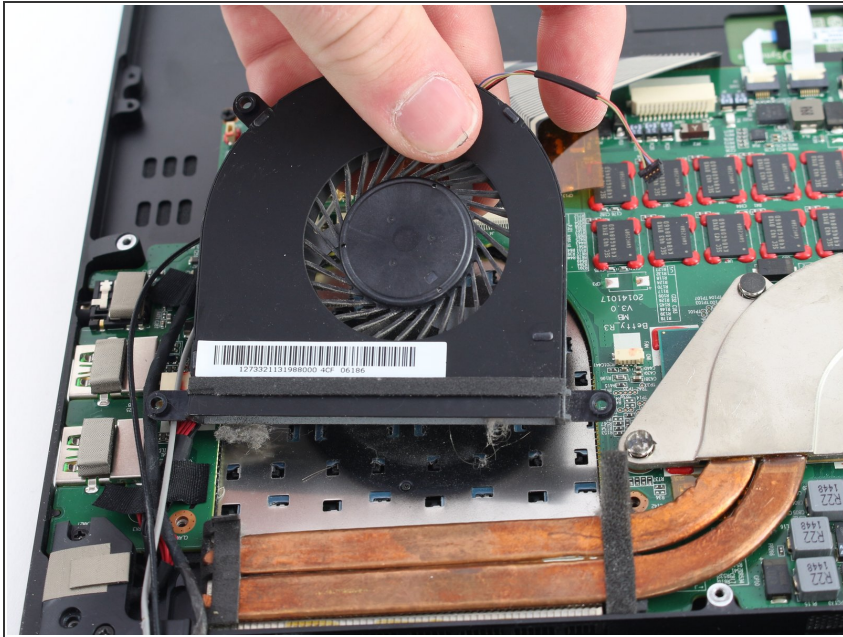
- Peel back the two adhesive strips from the fan until they are removed.

Step 10



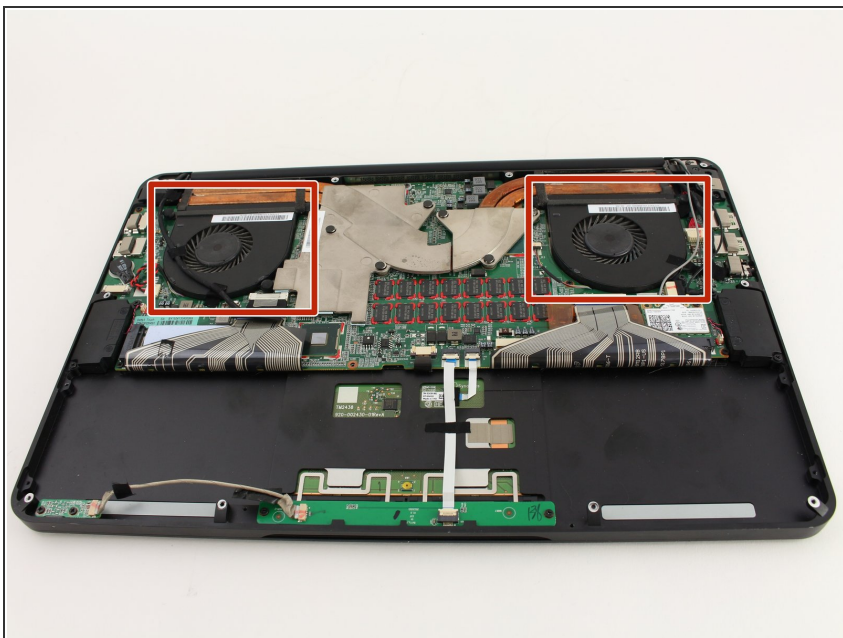
- Remove the connector by pulling it away from the motherboard with your fingers.

Step 11



- Holding the rounded edge of the fan, slowly lift upwards until it is removed.

Step 12



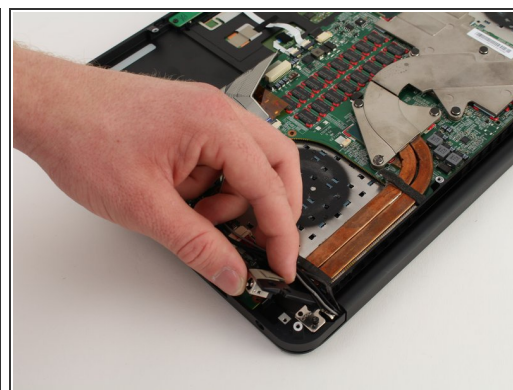
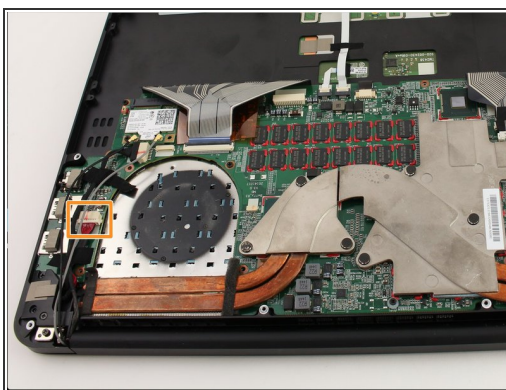
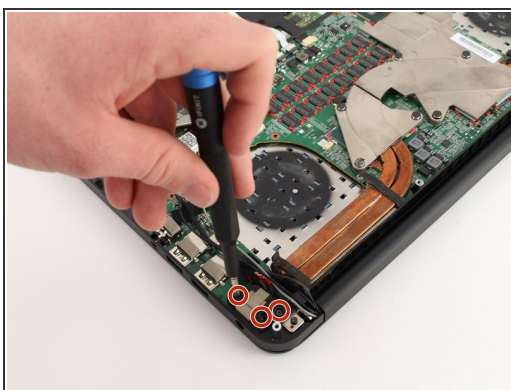
- Repeat the preceding steps to remove the second fan.

Step 13 — Motherboard



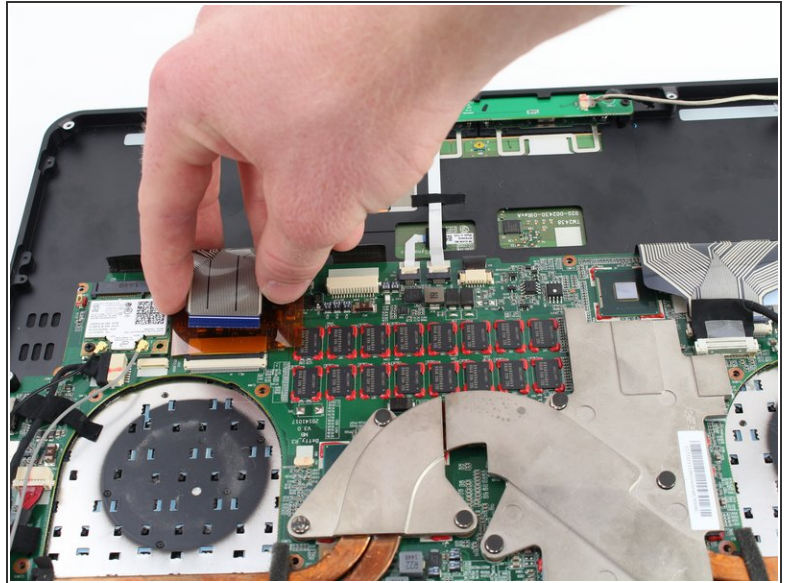
- Using the Phillips #0 screwdriver, remove the four 3mm screws connecting the motherboard to the chassis of the device.

Step 14



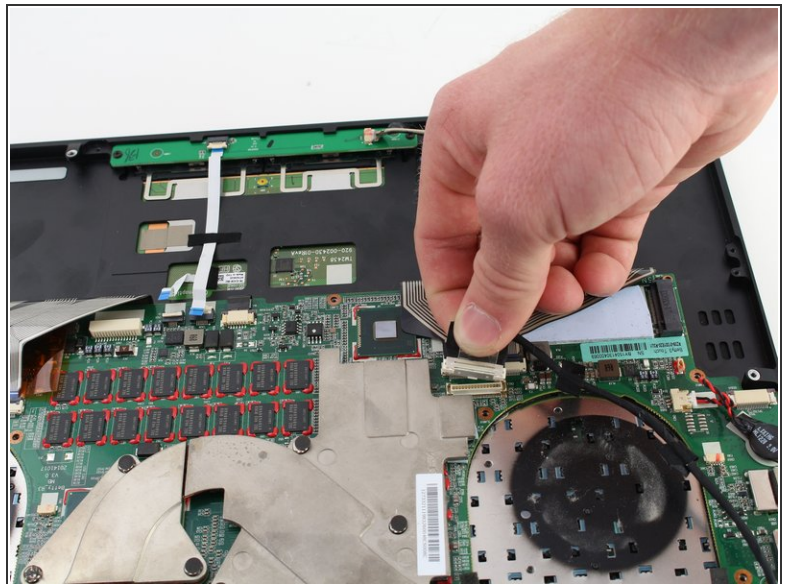
- Using the Phillips #0 screwdriver, remove the three 3mm screws connecting the charging port to the chassis of the device.
- Gently pull on the cables connecting the charging port to the motherboard until it disconnects.
- Lift the port out of the device.

Step 15



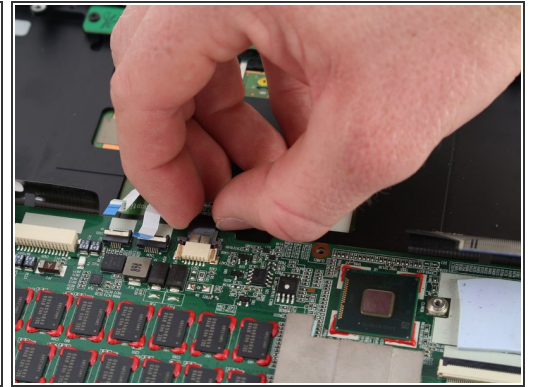
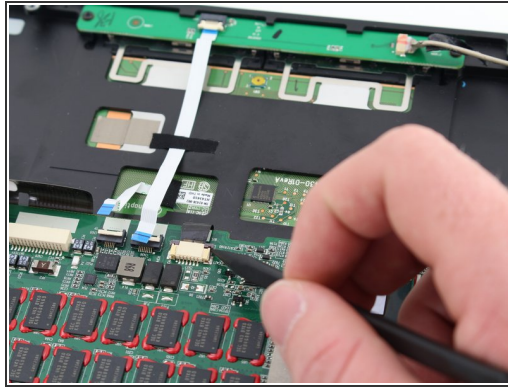
- Remove the paper connector by first flipping the plastic crimp upwards and then pulling it away from the motherboard.
- Repeat for the paper connector on the other side of the motherboard.

Step 16



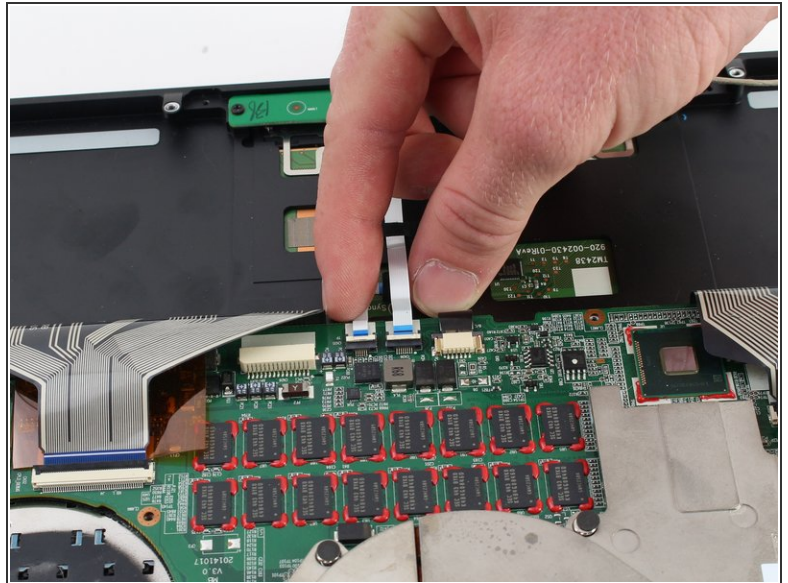
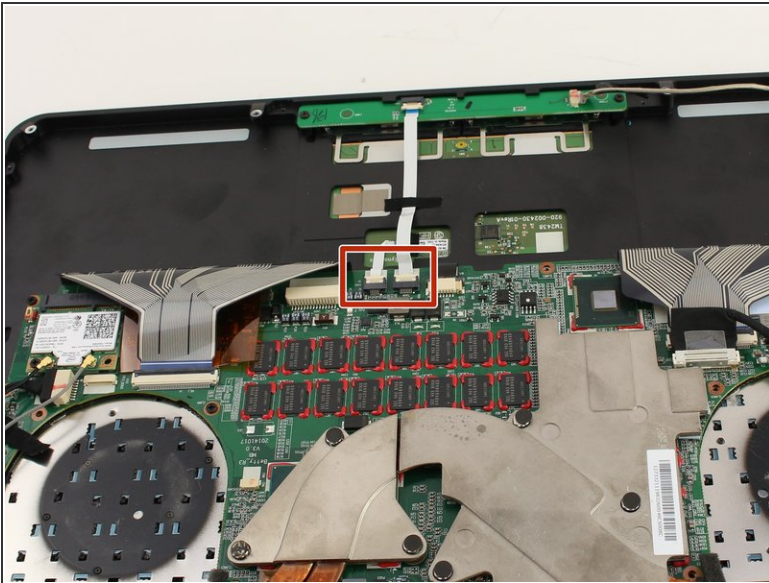
- Remove the cable connecting the motherboard to the display by gently pulling it upwards with your fingers.

Step 17



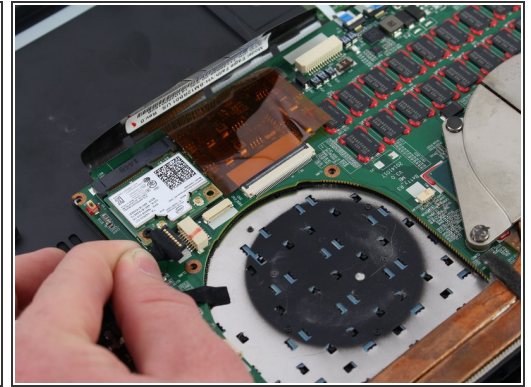
- Using a plastic spudger, push the plastic crimps holding the paper connector to the motherboard until they unlock.
- Pull the paper connector away from the motherboard.

Step 18



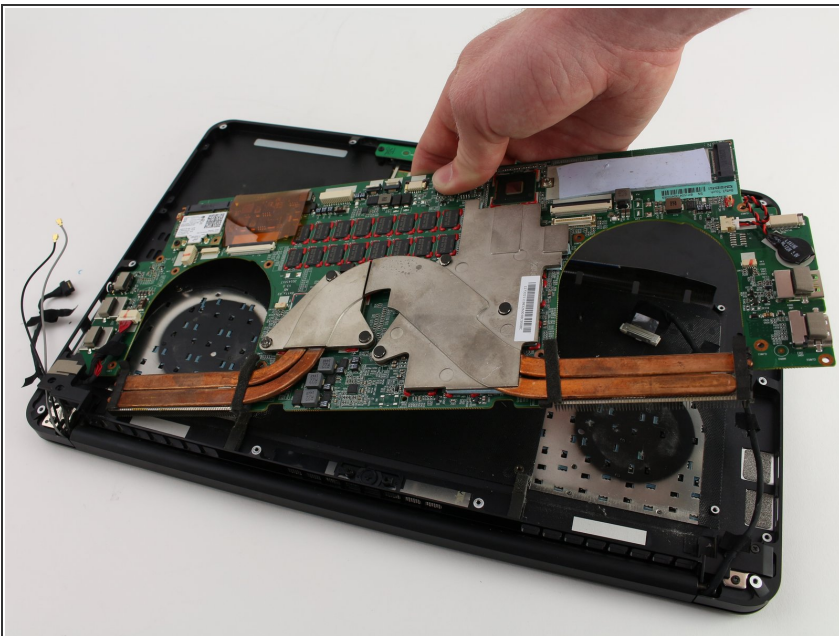
- Remove the small connectors connecting the motherboard to the trackpad by first flipping up the plastic crimps and then pulling them away from the motherboard with your fingers.

Step 19



- Remove the two small cables connecting the display to the motherboard by lifting them away from the motherboard with your fingers.
- Disconnect the last cable connecting the display to the motherboard by pulling on it gently with your fingers.

Step 20



- With the trackpad away from your body, lift the right side of the motherboard up.
- Then, pull it up and to the right to remove the motherboard from the chassis.

⚠ If you do not lift your motherboard out and to the right, you might snap the audio port of your device since it protrudes slightly outside of the chassis.

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