



HP Envy x360 m6-aq103dx Motherboard Replacement

How to replace the HP Envy x360 m6-aq103dx motherboard.

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INTRODUCTION

Are you unhappy with the performance of your HP Envy x360 m6-aq103dx? If so, here is the guide to replace your motherboard. With just a few tools, you can replace your HP Envy x360 m6-aq103dx's motherboard today.

TOOLS:

- [Spudger](#) (1)
 - [T5 Torx Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
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Step 1 — Bottom Cover



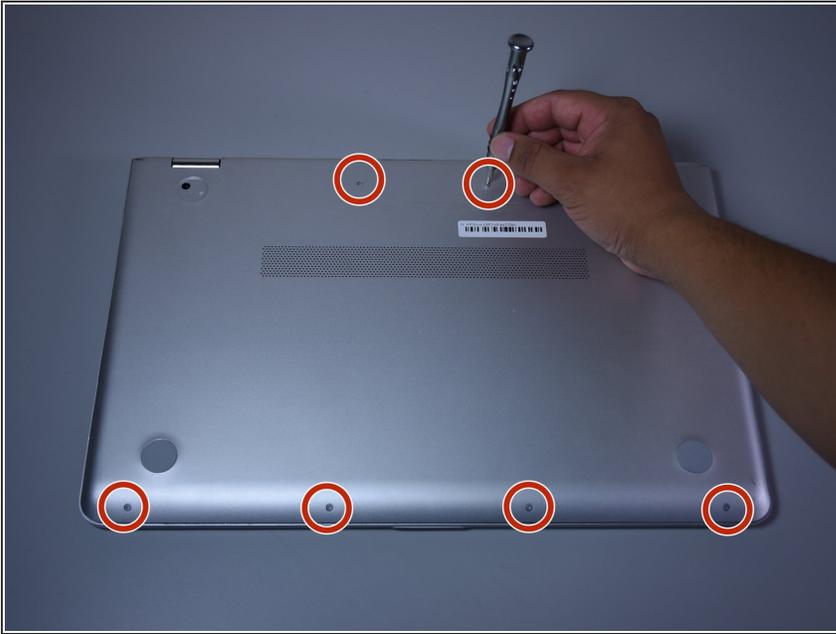
- Flip the laptop over to expose the underside.
 - Remove the two grip pads with blue plastic opening tool by inserting the tool between the laptop and the pads and slowly lifting up.
- i** The grip pads are tacky, remove slowly to avoid separating the adhesive.

Step 2



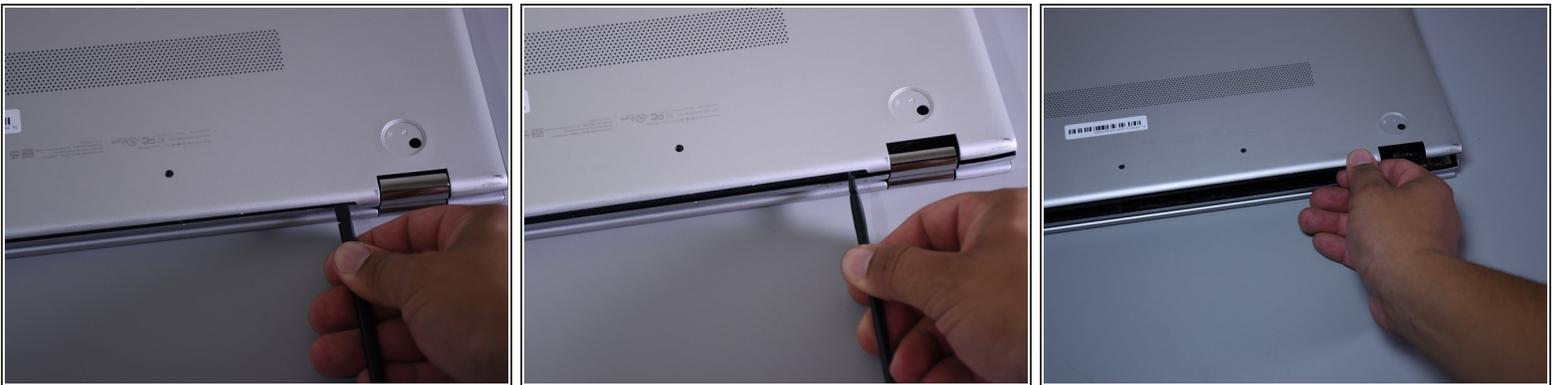
- Remove the two 8 mm Phillips Head screws that were under the grip pads using a Phillip's Head 1 Screwdriver.

Step 3



- Remove the six 5 mm Torx screws using a T5 Torx Screwdriver.

Step 4



- Use the nylon spudger to pop off the bottom cover by inserting it into the heat vent and twisting to the left or right.

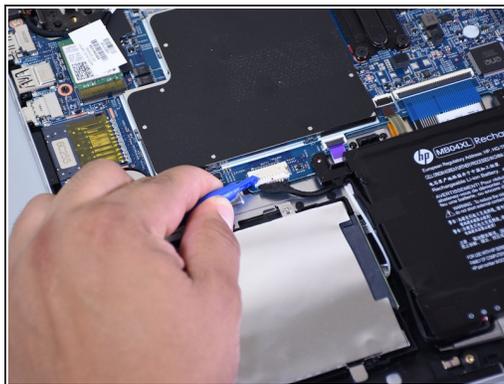
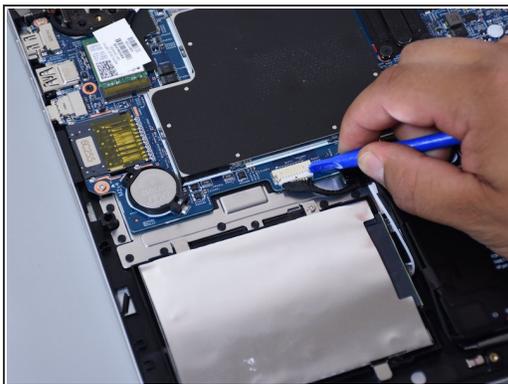
i You may hear a slight clicking or popping, but that is normal.

Step 5 — Battery



- Use the Phillips Head 1 Screwdriver to remove the six 4 mm screws.

Step 6



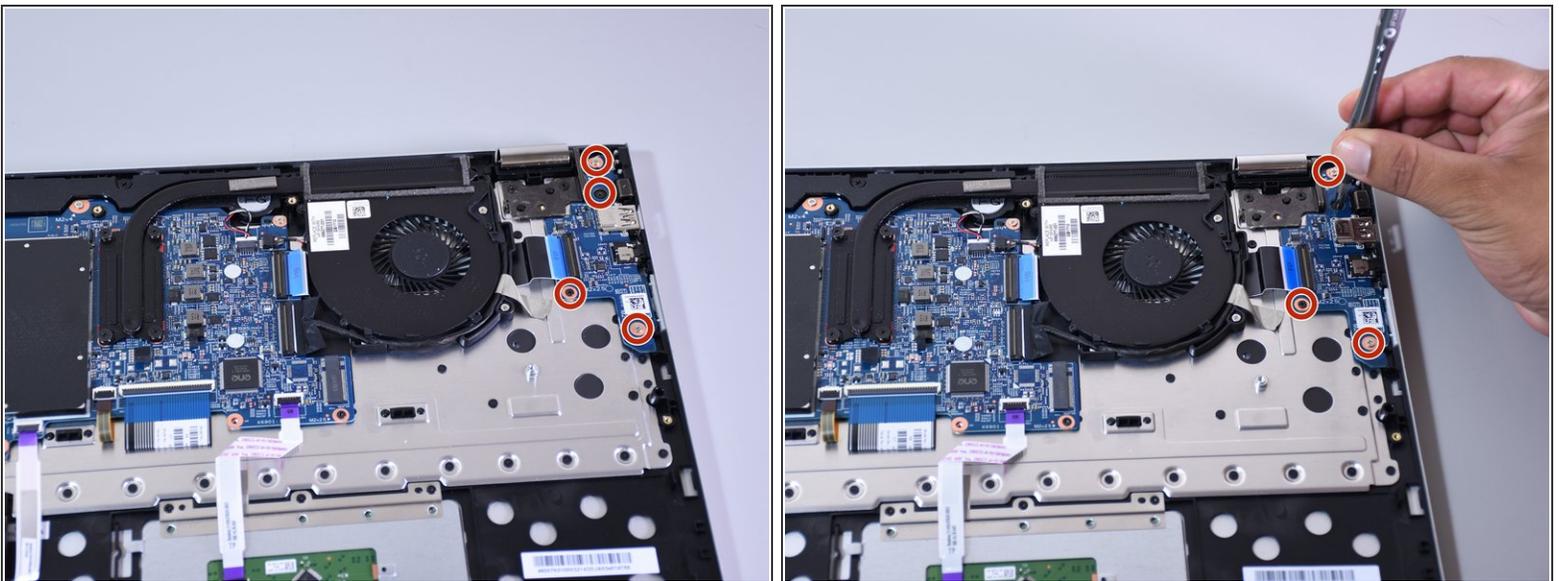
- Disconnect the battery port from the motherboard by gently lifting it on both sides with the plastic opening tool.
- Lift up the port with the tool.

Step 7



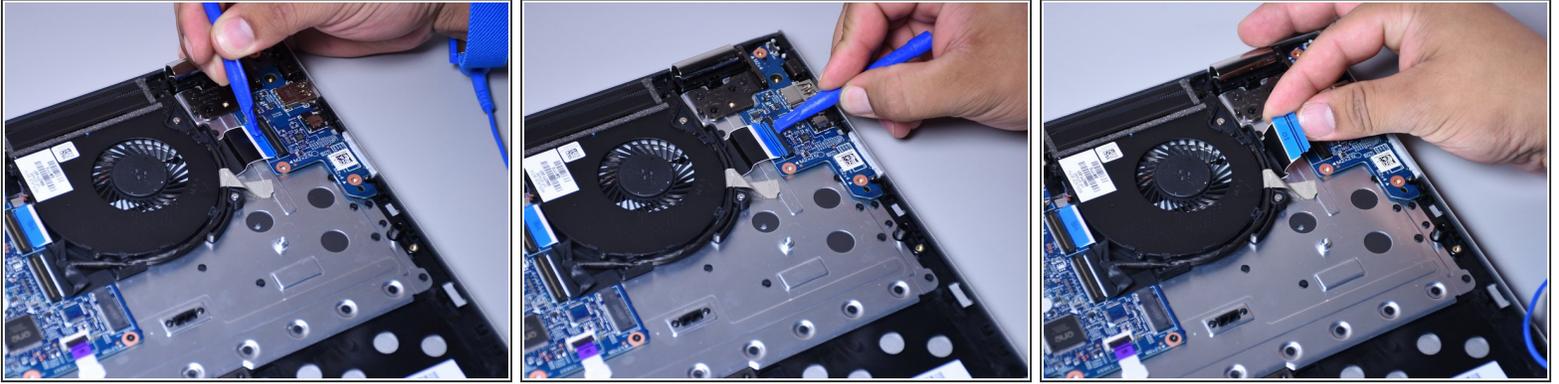
- Lift the battery out of the laptop with your hands.

Step 8 — Headphone Jack



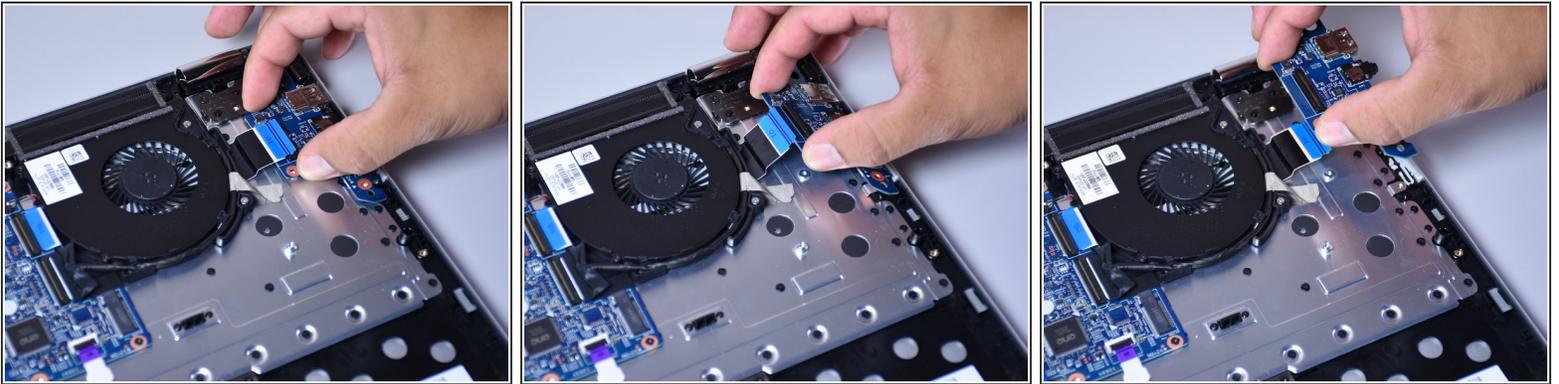
- Make sure you are wearing an anti-static wrist strap.
- Remove the four screws from the blue board that contains the headphone jack using the Phillips head 1 screwdriver (one 4 mm black screw, one 3 mm black screw, and two 4.5 mm silver screws).

Step 9



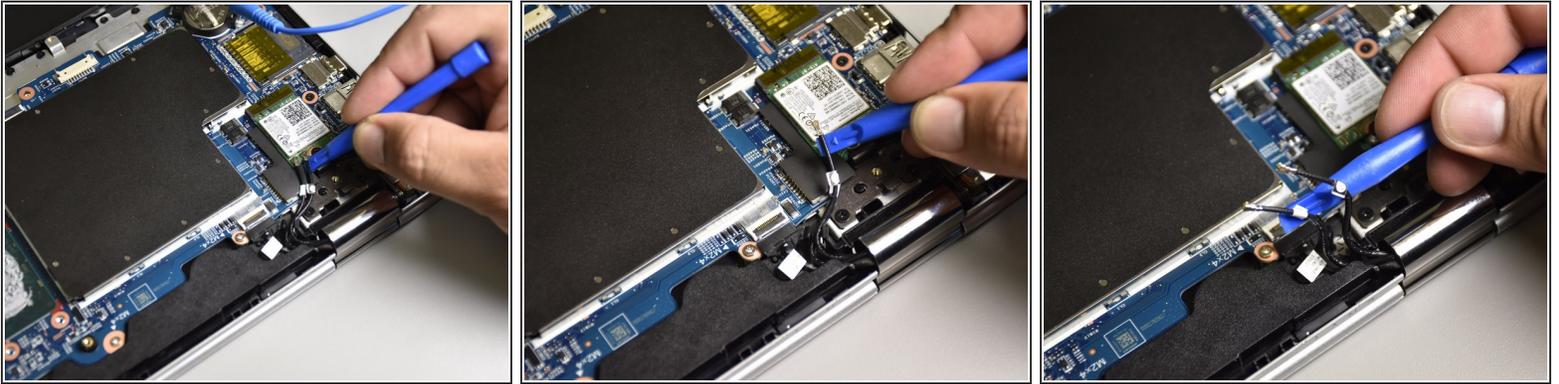
- Insert the plastic opening tool underneath the connector on the black flexible flat cable with the blue plastic stripe.
- Lift the opening tool to open the connector.
- Use your fingers to slide the ribbon cable out of the connector.

Step 10



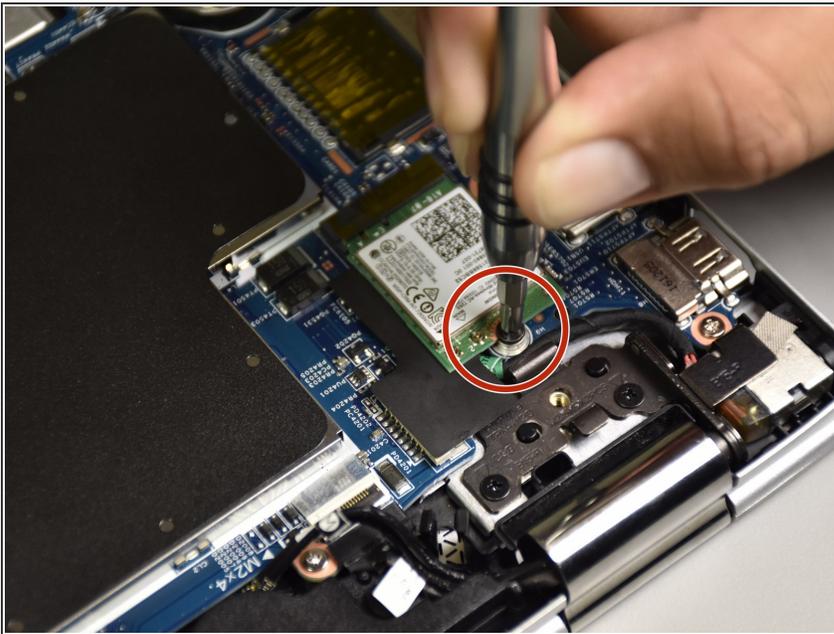
- Hold the left side of the board between your fingers.
- Lift the edge upwards enough to clear the other components in the way.
- ⓘ Be gentle when lifting to avoid breaking the board.
- Slide and rotate to lift the board out of the designated slot for the board.
- ⓘ You may have to wiggle the board back and forth, and up and down, to remove the board.

Step 11 — Intel Wireless Module



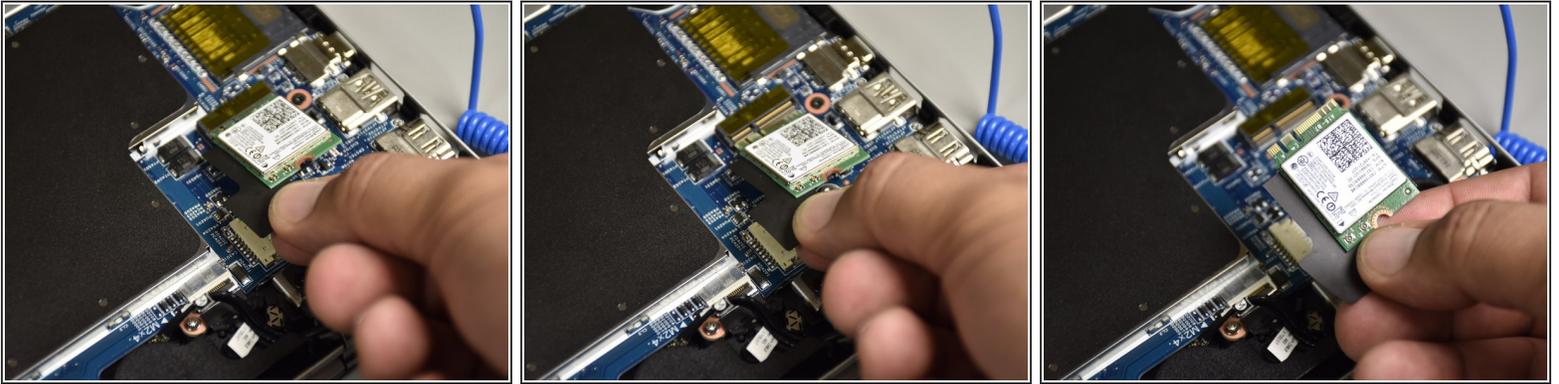
- Remove the two antenna cables connected to the wireless module by wedging the small plastic opening tool between the cables and the wireless module and lifting up.

Step 12



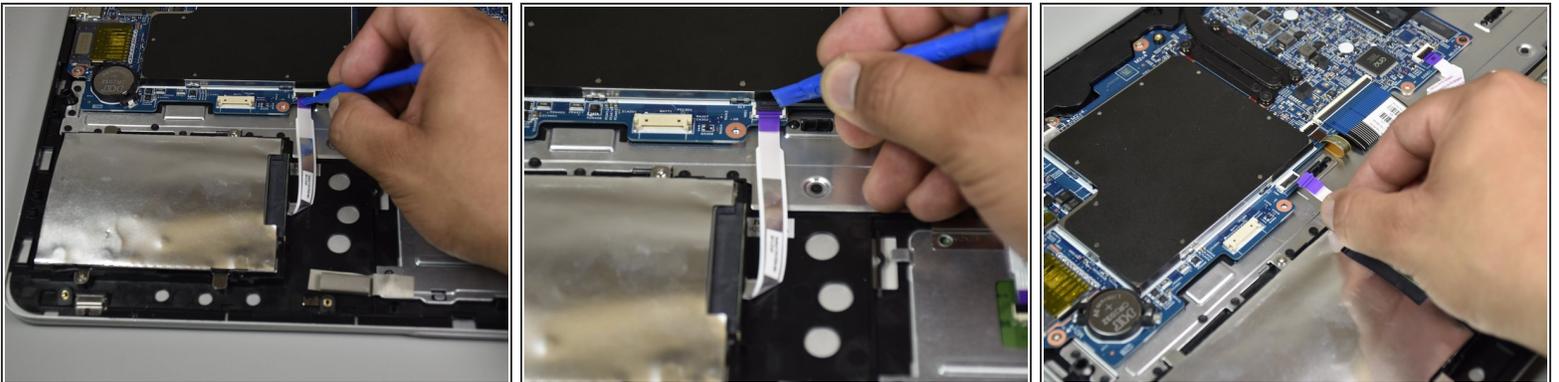
- Remove the 3.5 mm Phillips Head screw with the Phillip Head 1 screwdriver.

Step 13



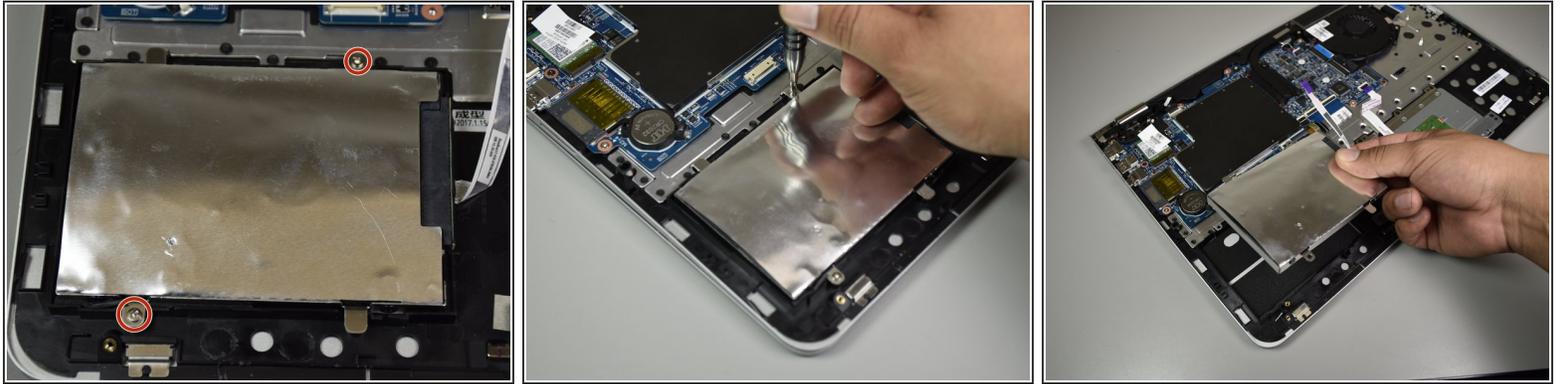
- Slide the wireless module towards the back of the computer to remove it.

Step 14 — Hard Drive



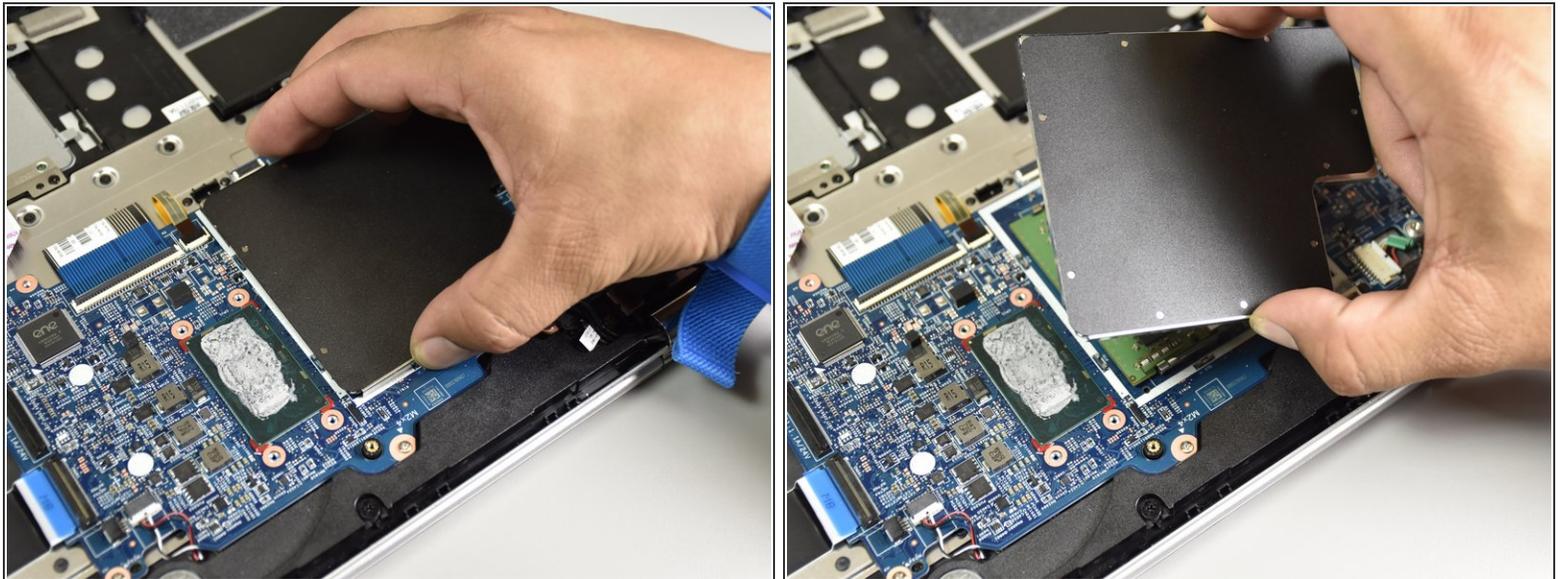
- Disconnect the ribbon cable with the purple tag by flipping the black tab with the plastic opening tool.
- Disconnect the ribbon cable by gently pulling it away from the connector with your fingers.

Step 15



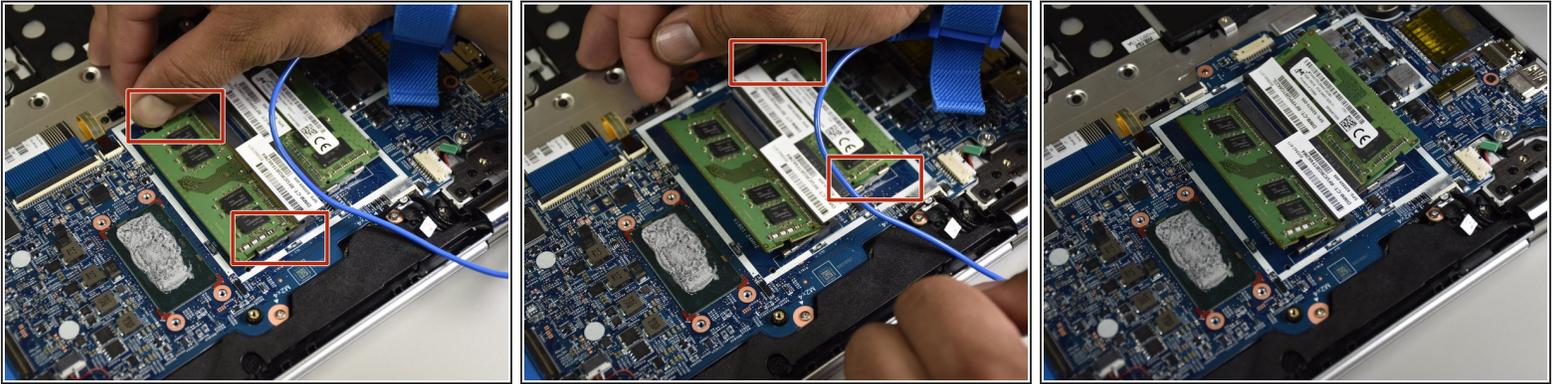
- Remove the two Phillips head screws (5 mm) using the Phillip's head #1 screwdriver.
- Use your hands to lift the hard drive up and remove it.

Step 16 — RAM



- ⓘ Make sure you are wearing an anti-static wrist strap.
- Remove the ram's metal cover with your hand.

Step 17



- Pull the two outer pins on either side of the ram chip outward with your hands.
- ⓘ The ram chips should pop up.
- Do this for both chips.

Step 18



- Remove the chips one at a time, by sliding them towards the side of the computer they are pointing towards.

Step 19 — Motherboard



- Use the small plastic opening tool to disconnect the port attached to the white ribbon cable with purple tips.
- Press the tool to the top of the tip of the cable and pull it outwards.
- Press the tool to the side of the tip of the cable and slide it outwards.
- Use your hand to lift the cable up and out of the way.

Step 20



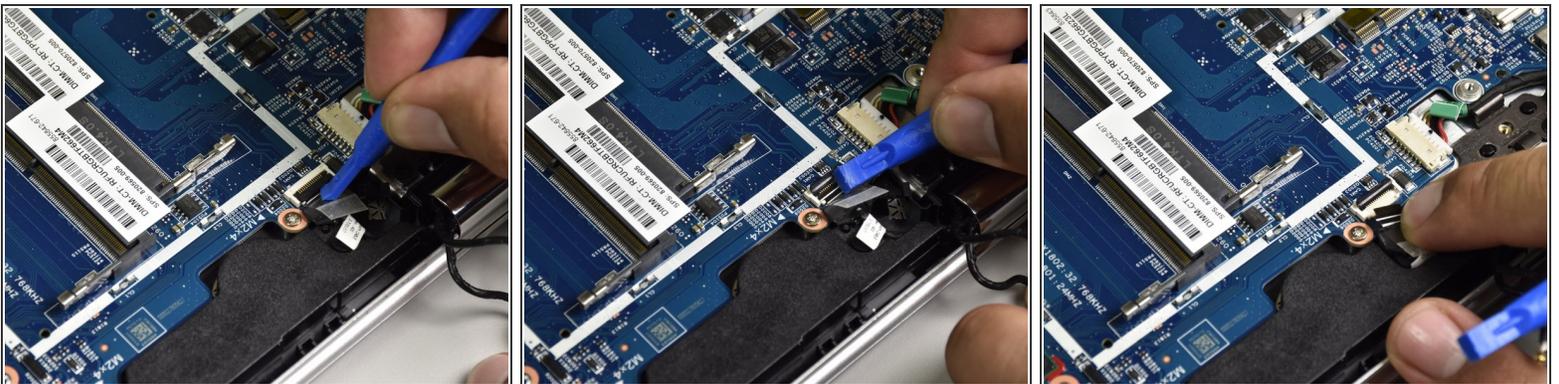
- Use the small plastic opening tool to disconnect the port attached to the blue ribbon cable with a black stripe.
- Press the tool to the top of the tip of the cable and pull it outwards.
- Press the tool to the side of the tip of the cable and slide it outwards.
- Use your hand to lift the cable up and out of the way.

Step 21



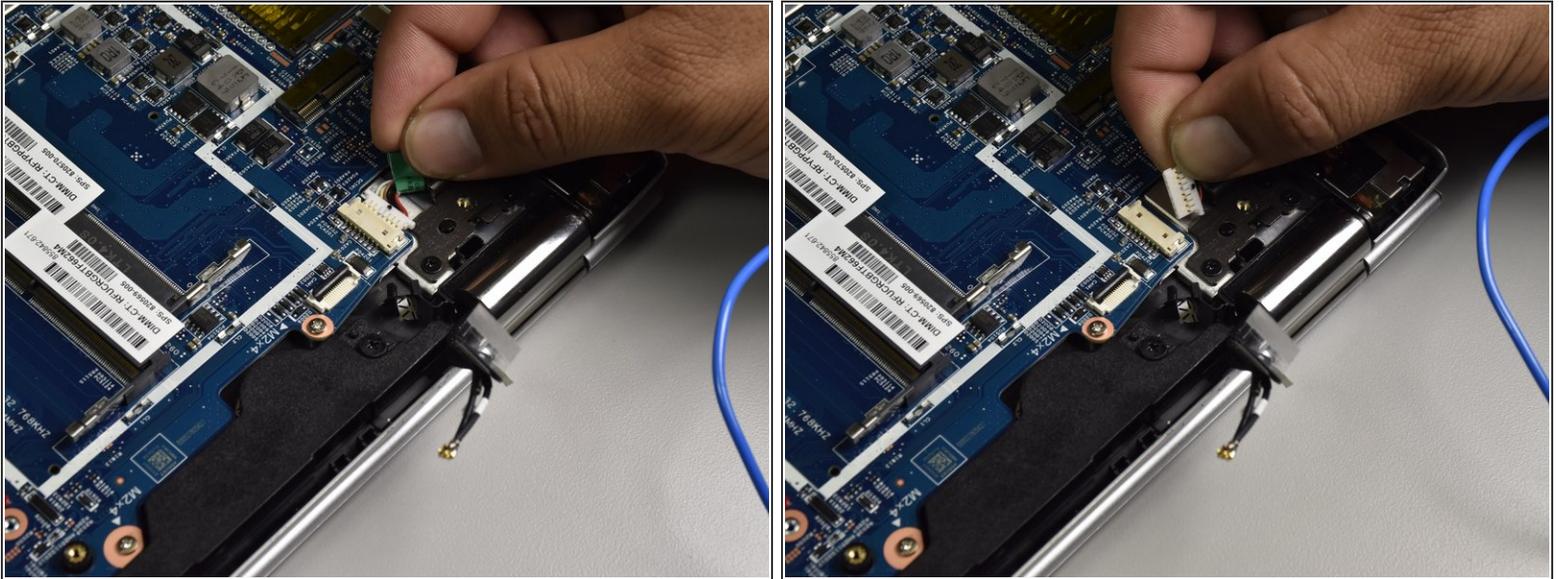
- Use the small plastic opening tool to disconnect the port attached to the golden brown ribbon cable with the yellow underside.
- Press the tool to the top of the tip of the cable and pull it outwards.
- Press the tool to the side of the tip of the cable and slide it outwards.
- Use your hand to lift the cable up and out of the way.

Step 22



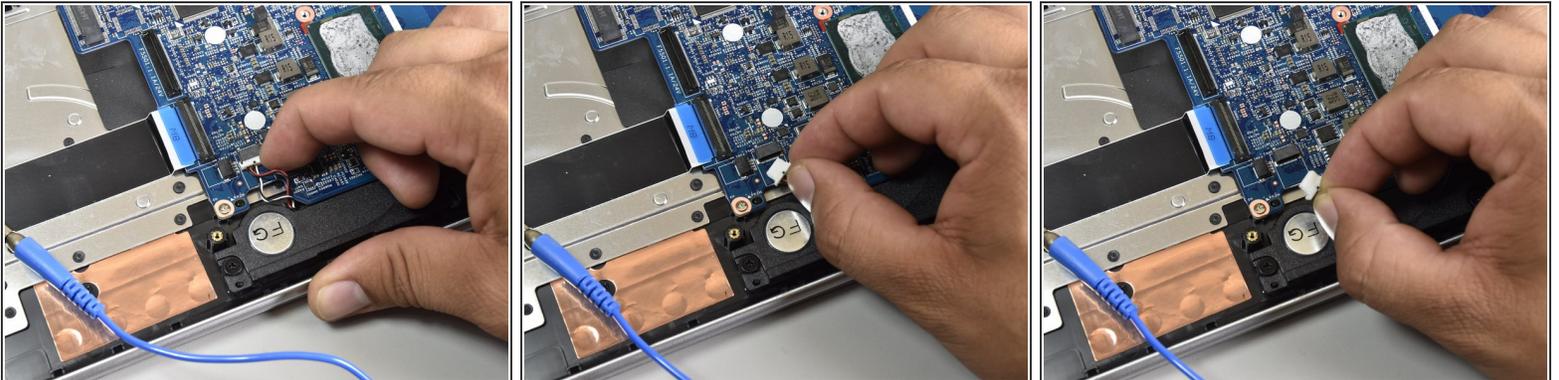
- Remove the clear tape near the charging port with your hand in order to flip the tab up with the small plastic opening tool.

Step 23



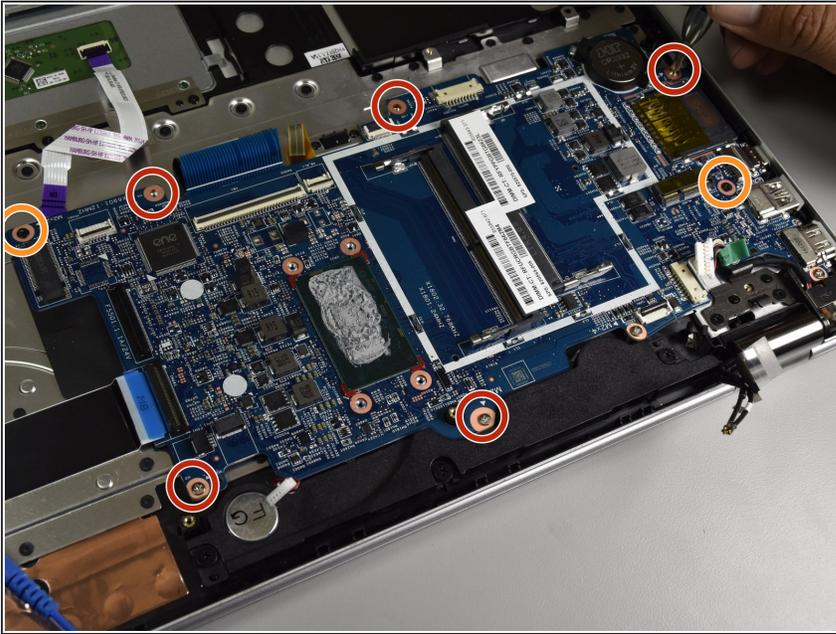
- Remove the wire with the green plastic tape from between the motherboard and the black hinge using your hand by pulling it backwards.

Step 24



- Remove the wire by the blue ribbon cable using your hands.

Step 25



- Using the Phillips head #1 screwdriver remove the five 4.5 mm grey screws.
- Using the Phillips head #1 screwdriver remove the two 2.5 mm black screws.

Step 26



- Using your hand, gently lift up the motherboard to remove it.

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