



HP Chromebook 11-v011dx Motherboard Replacement

How to replace the motherboard of the HP Chromebook 11-v011dx.

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INTRODUCTION

Through over-heating or damaging the laptop by dropping it, the motherboard will not be able to function. This guide will help replace it.



TOOLS:

- [Spudger](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
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Step 1 — Key Board



- Wedge the spudger between one of the black rubber caps on each of the four corners on the bottom of the HP Chromebook 11-v011dx.
- Lift up the black rubber cap until it is completely removed.
- Repeat this until all four of the black rubber caps are removed.

Step 2



- Locate the two smaller black rubber caps on the top corners of the HP ChromeBook 11-v011dx. Wedge the spudger between one of them.
- Lift up the small black rubber cap until it is completely off.
- Repeat this step one more time to remove the other small black rubber cap on the other side.


Step 3



- Locate the eleven screws on the bottom the HP ChromeBook. Six are located under the larger black rubber caps and the others are in different locations.
- Use a Phillips #0 screwdriver to remove eleven 1.3mm screws.

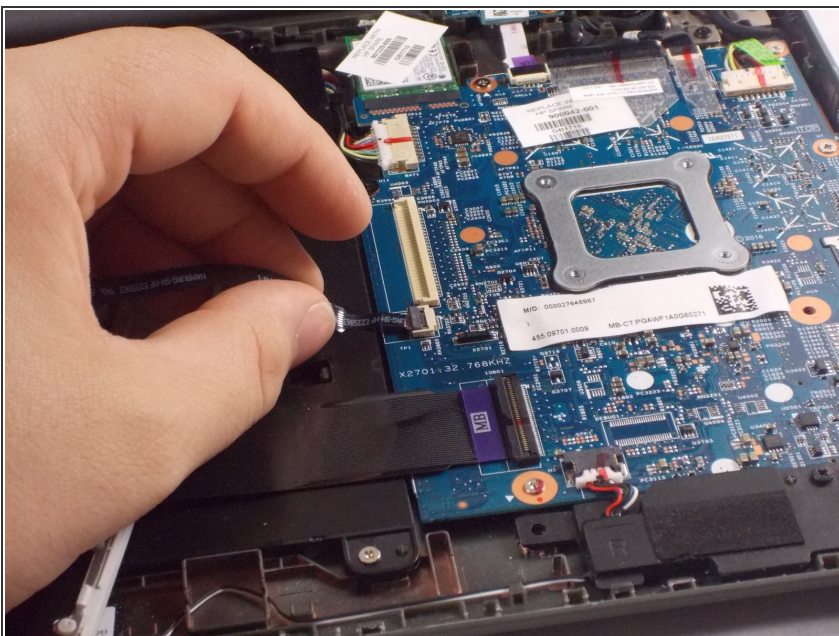
Step 4



 Make sure to do steps 1-3 or it will be impossible to lift up the key board and you may also do damage to the hardware.

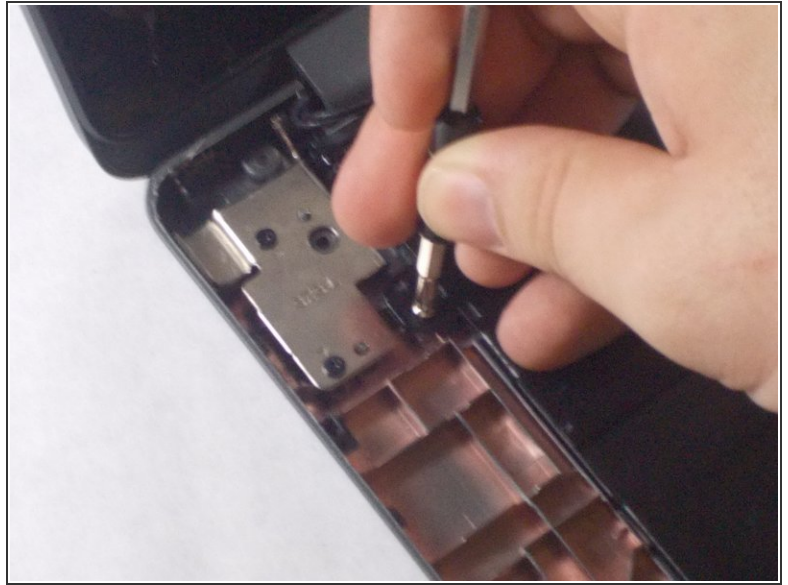
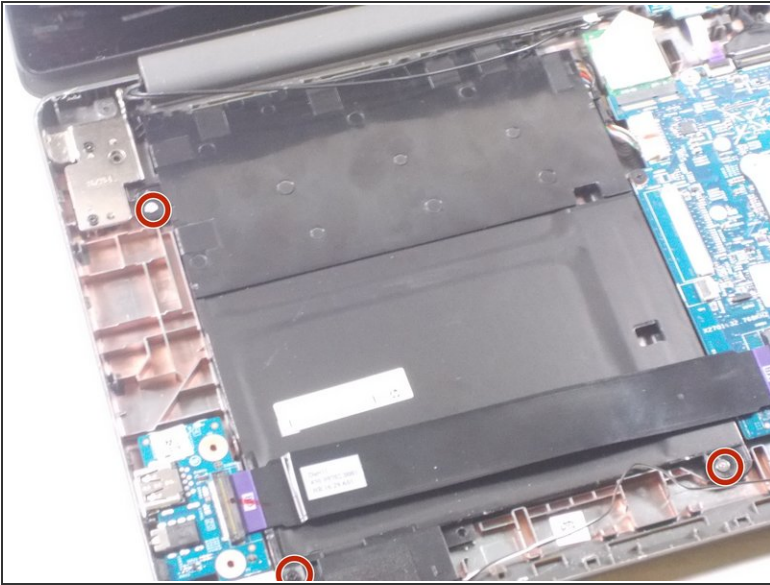
- Wedge the spudger between the key board and the bottom panel, carefully go around the keyboards edges gently.
- Lift the spudger a little in the front of the keyboard until the key board lifts up.
- With your hands, slowly and carefully lift the key board up.

Step 5



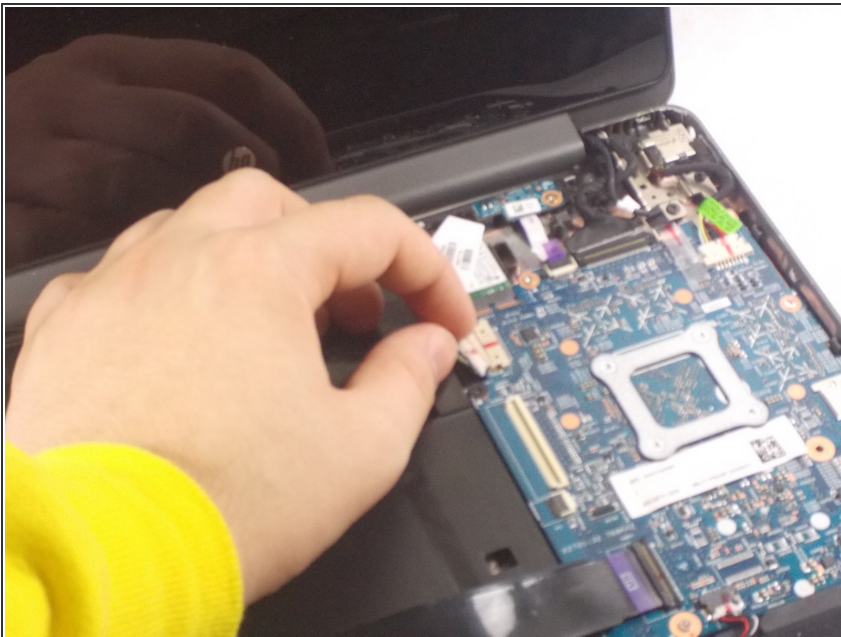
- Locate the black tab that holds a wire in place that keeps the keyboard connected to the motherboard.
- Slowly unplug this wire that connects to the key board.

Step 6 — Battery



- Remove three of the 1.3mm screws that keep the battery in place with a Phillips #0 screwdriver.


Step 7



- ⚠ Make sure to hold the white tab portion of the plug and not the wire itself. If you unplug it by holding the wires, you may rip out the wires.
- Slowly unplug the wire that connects the battery to the motherboard with your hands.

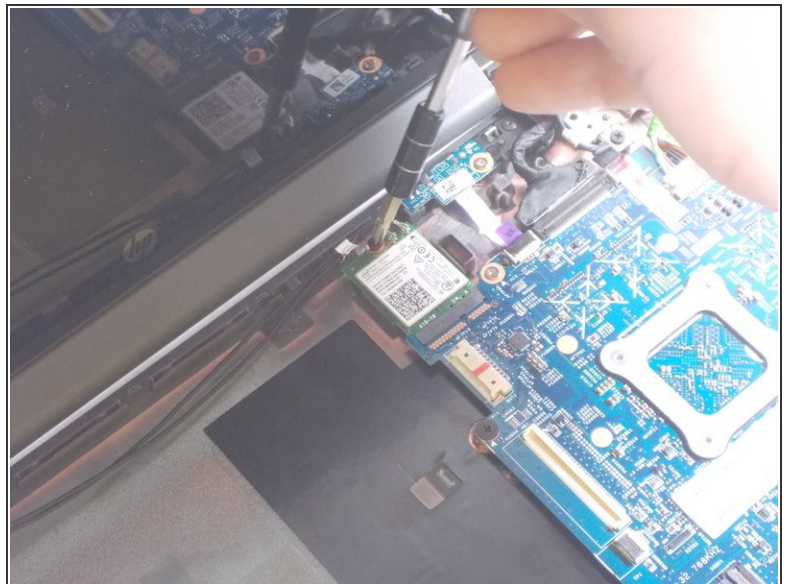
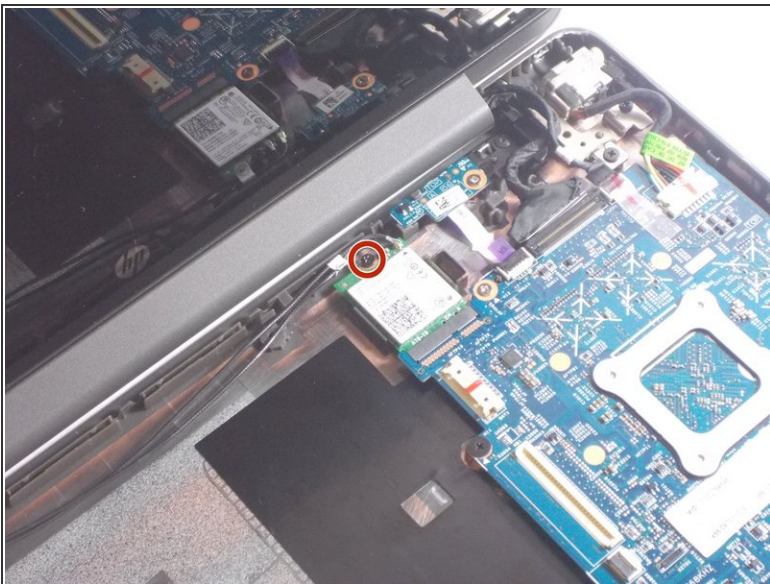
Step 8



 There is a thick black wire strip that is going across the battery for a different part of the HP ChromeBook 11-v011dx. Be mindful when removing the motherboard so you do not damage this strip.

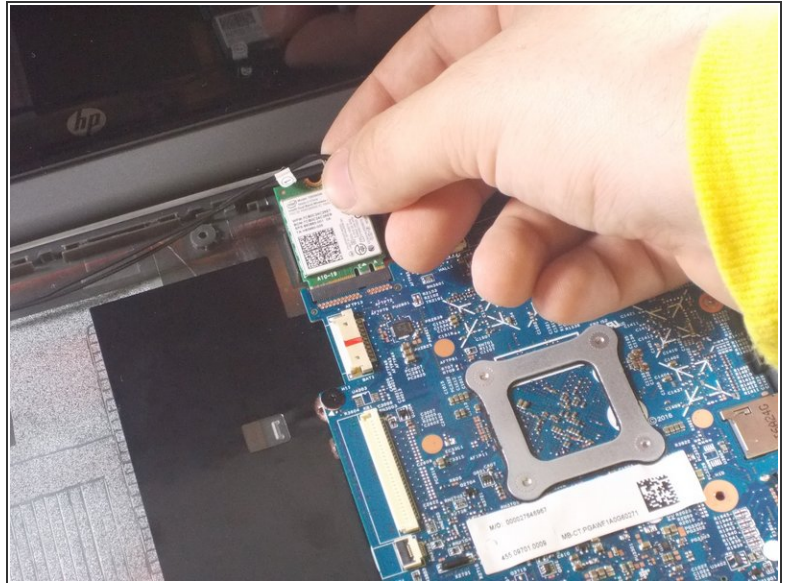
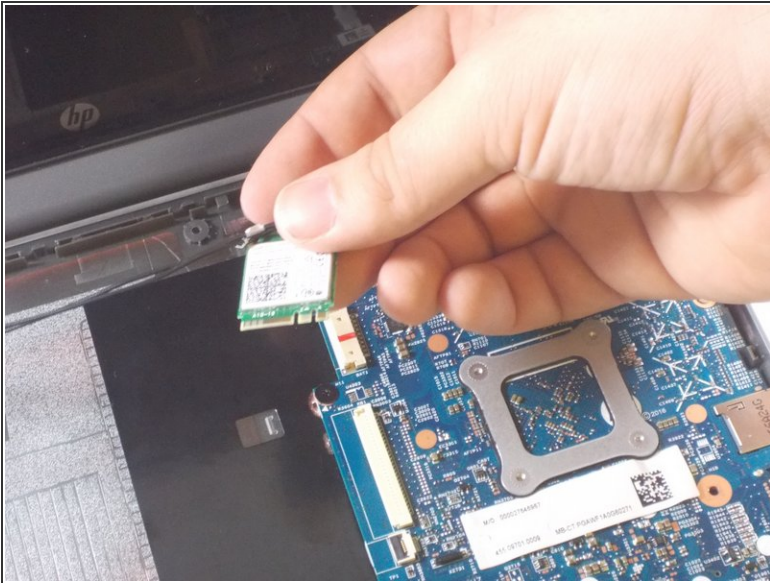
- Remove the battery carefully using your hands.

Step 9 — Screen



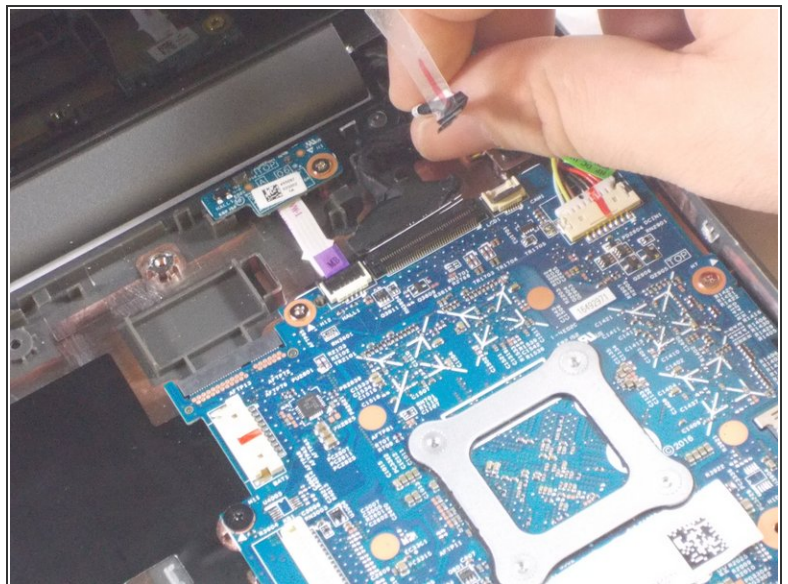
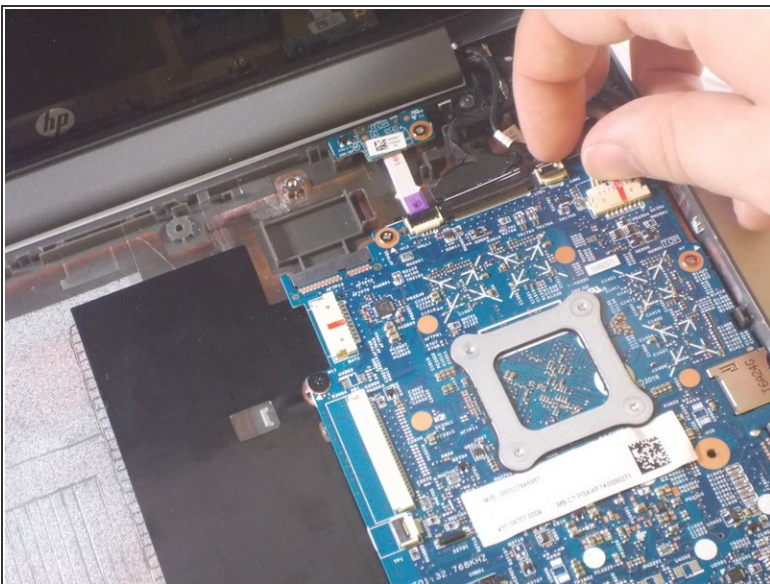
- Use a Phillips #0 screwdriver to remove the 1.3 mm screw that holds the wireless card.

Step 10



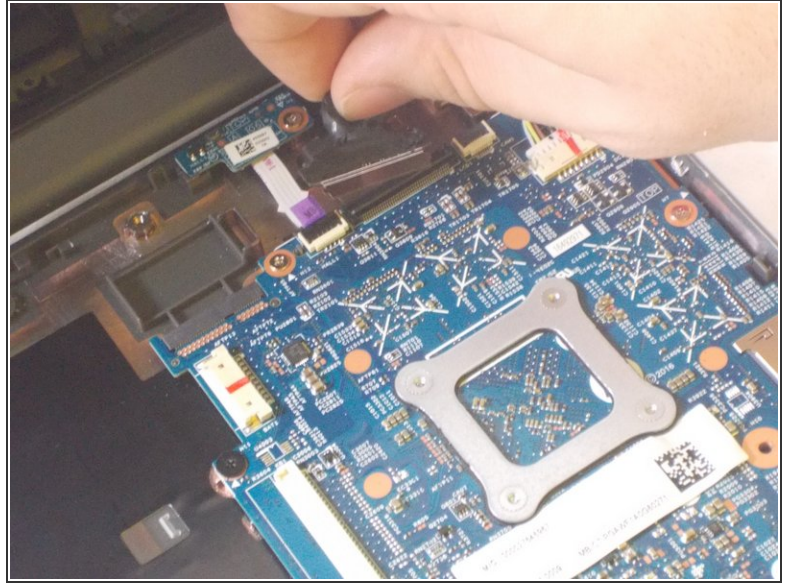
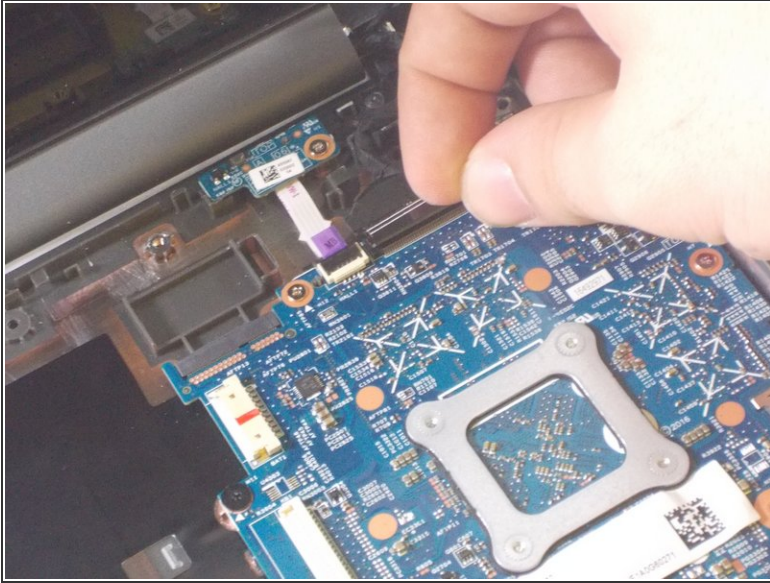
- Remove the wireless card from the motherboard with your own hand.

Step 11



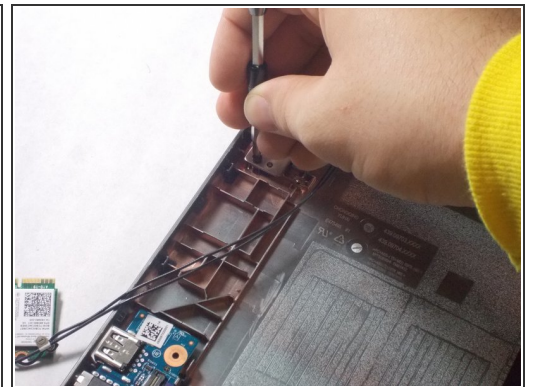
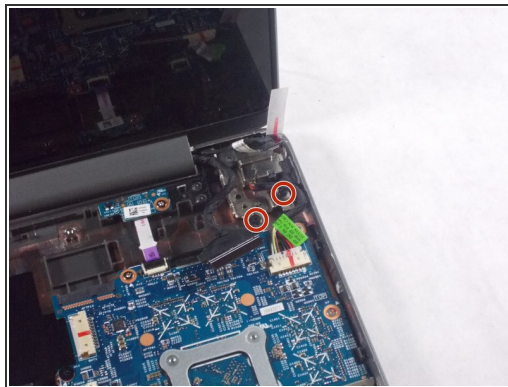
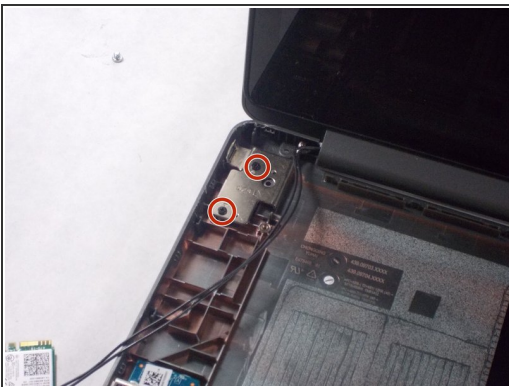
- Find the wire that connects the screen to the motherboard.
- Lift black tab that holds the wire in place.
- Remove the wire.

Step 12



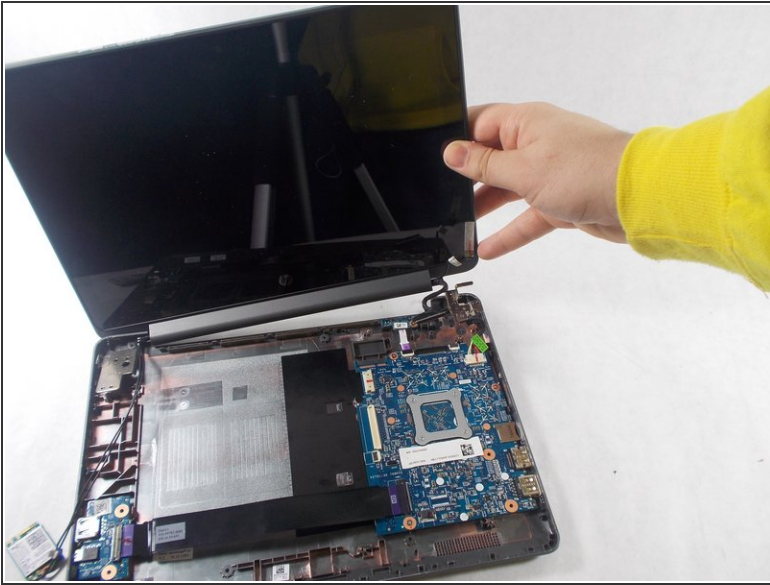
- Find the display cable that connects the screen to the motherboard.
- Lift black tab that holds the display cable in place.
- Remove display cable.

Step 13



- Use a Phillips #0 screwdriver to remove the four 1.3mm screws that hold the screen in place.
- ⓘ Two screws are on the left of the laptop and two are on the right of the laptop.

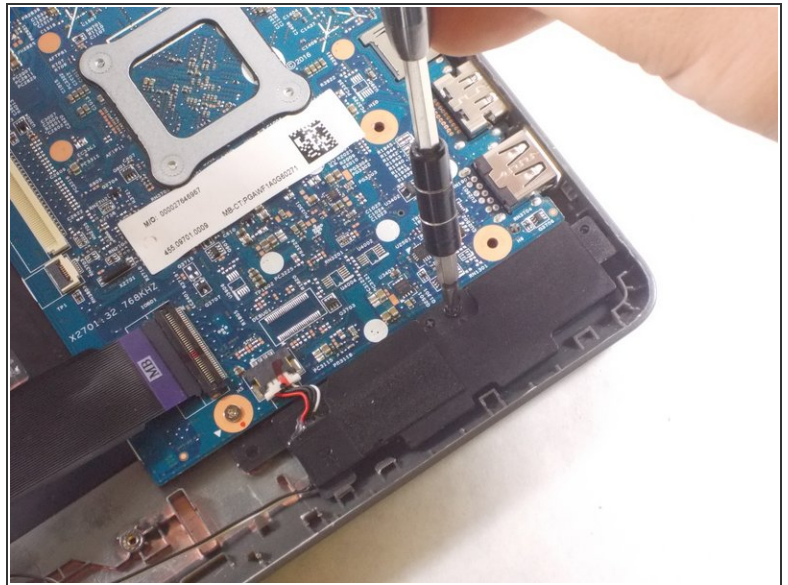
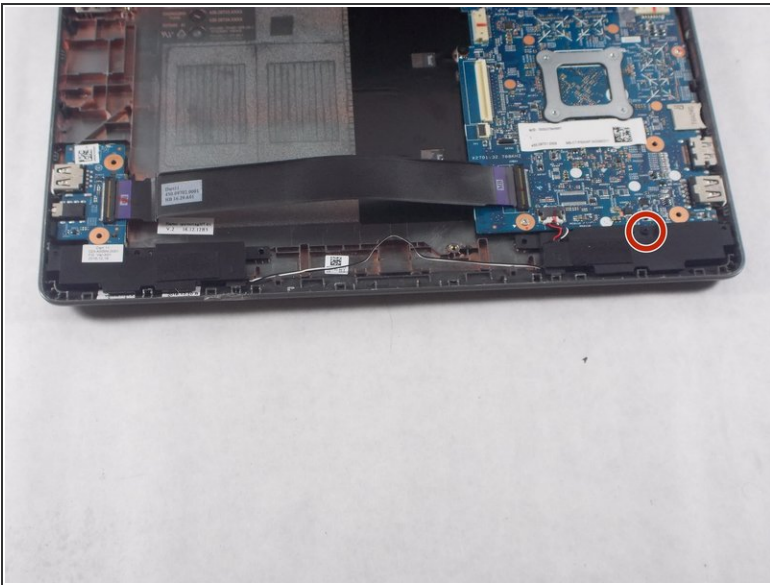
Step 14



⚠ Be careful when removing the screen so it doesn't get caught on any wires.

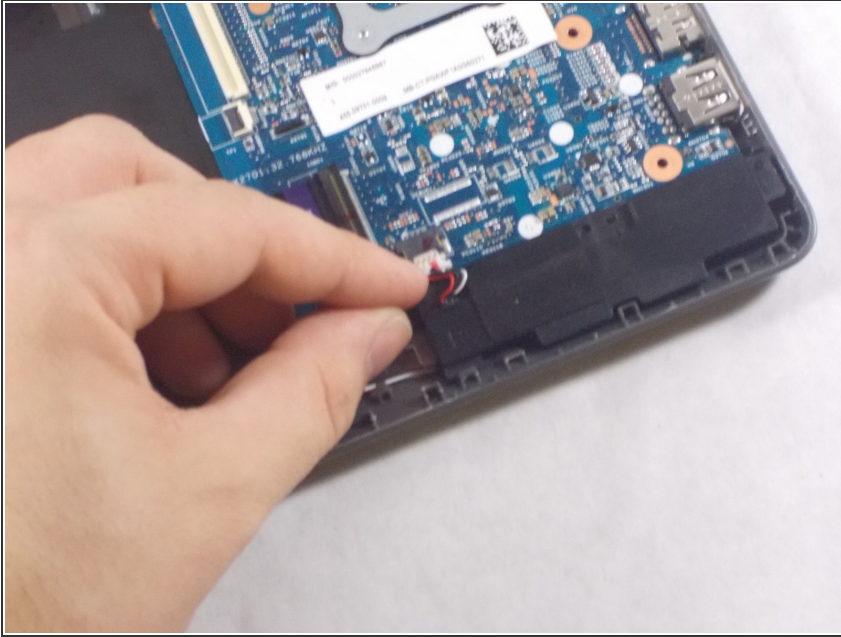
- Remove the screen from the laptop.


Step 15 — Speaker



- Use a Phillips #0 screwdriver to remove the one 1.3mm screw that connects the speakers and the motherboard together.

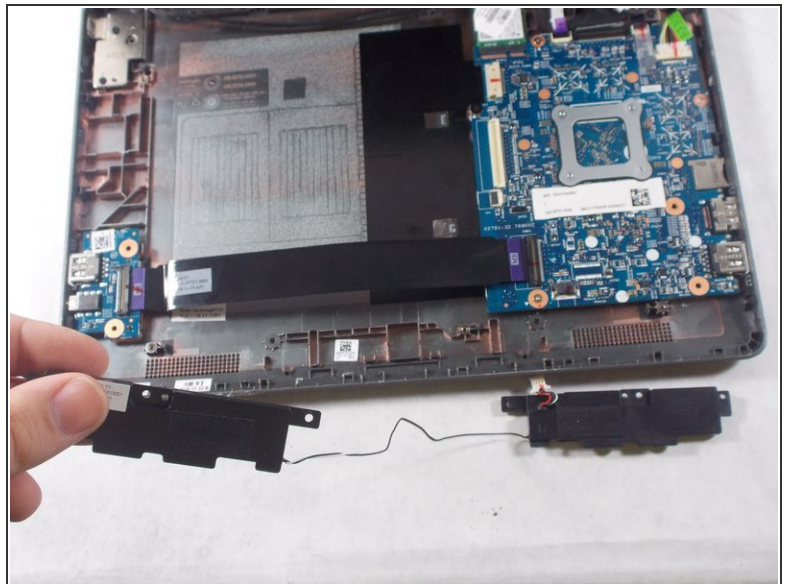
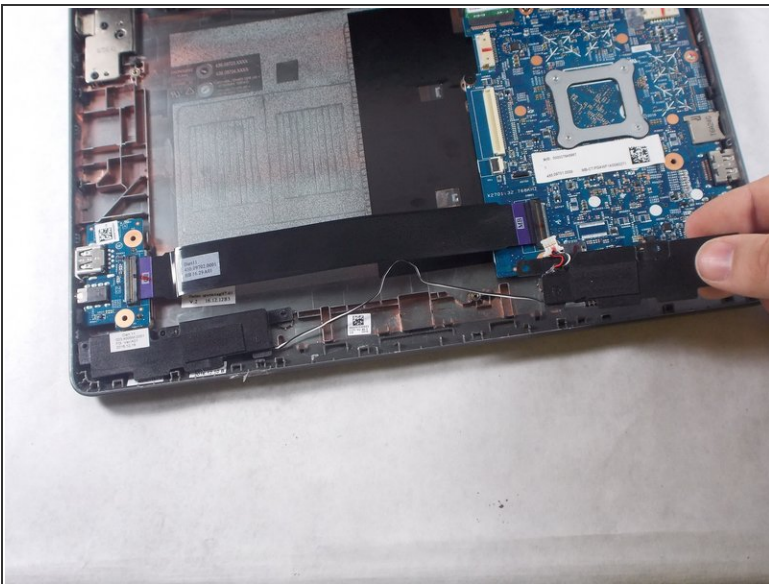
Step 16




 Make sure to hold the white part of the plug and not the wire. If unplugged by holding the wires, it can rip out wires.

- Slowly and cautiously unplug the wire that connects the speakers to the motherboard with your hands.

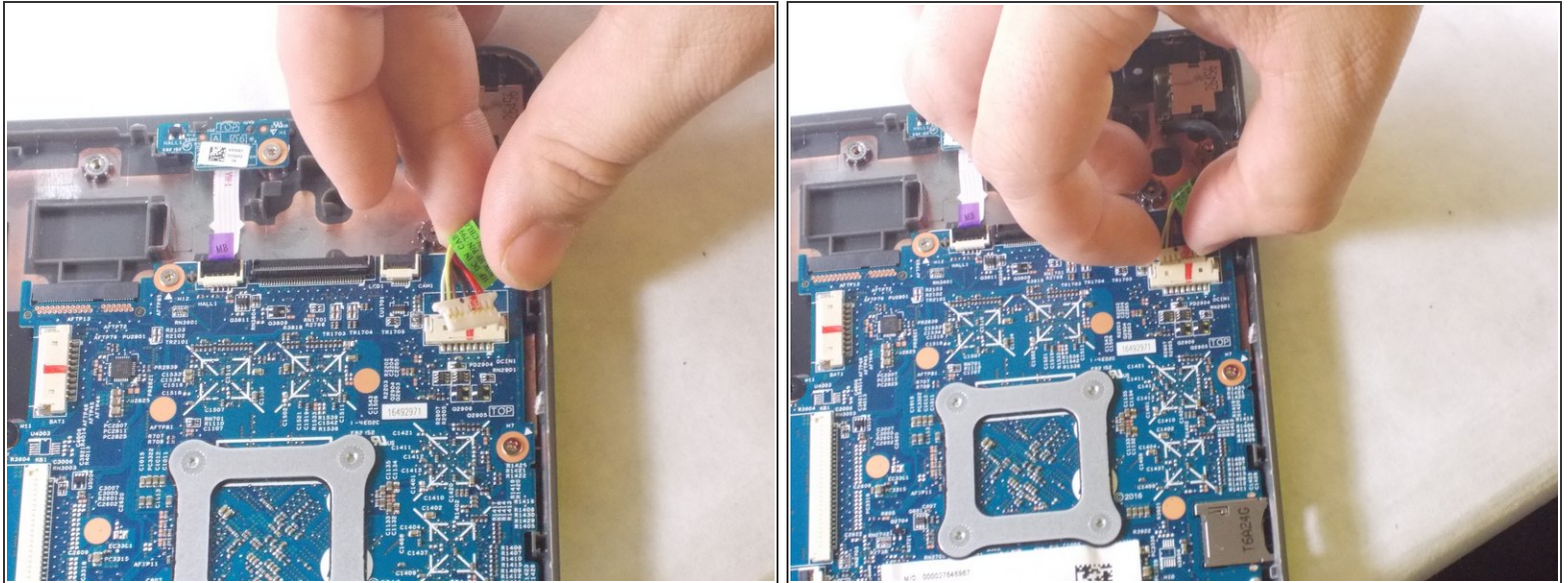
Step 17



 Be careful with the wire between both end of the speakers. It's between metal parts and can get caught.

- Slowly remove both ends of the speakers with your hands.

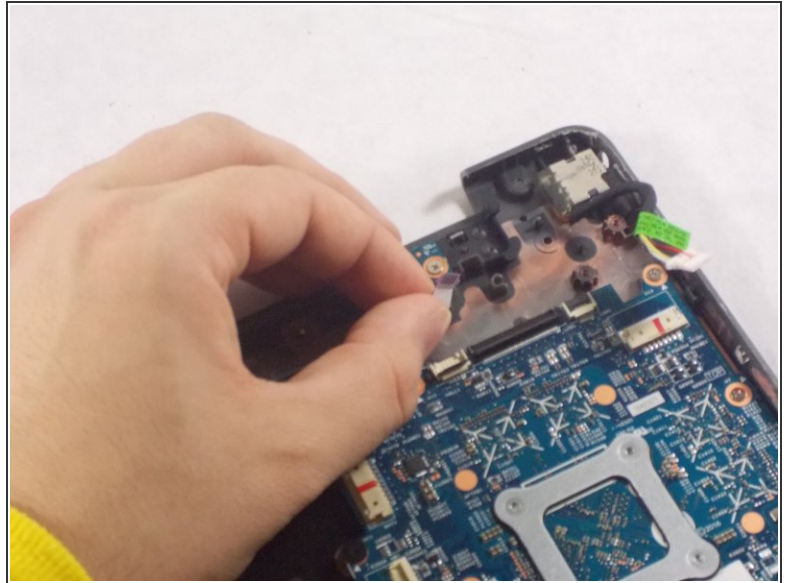
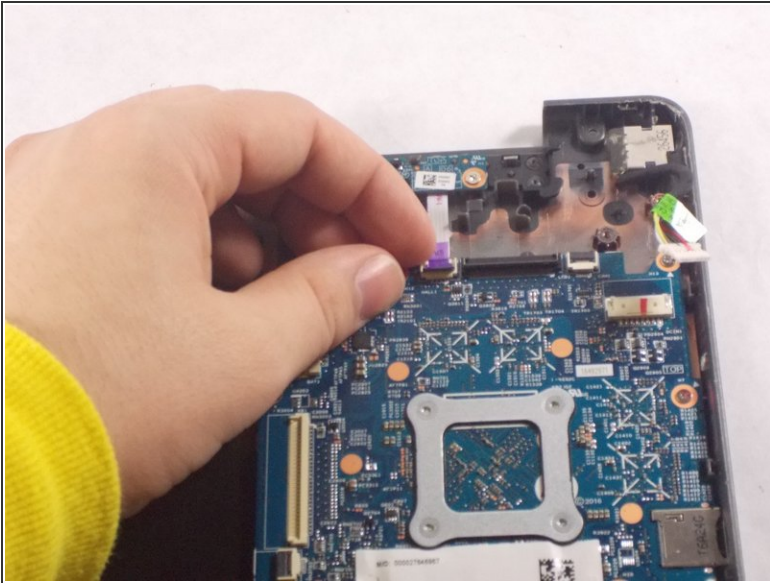
Step 18 — Motherboard



⚠ Please hold the white tab and not the wires or it may rip the wires out.

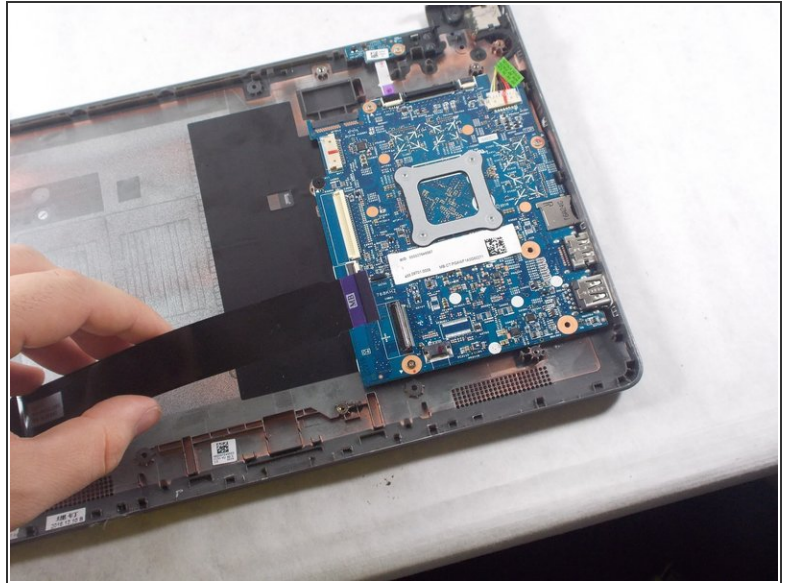
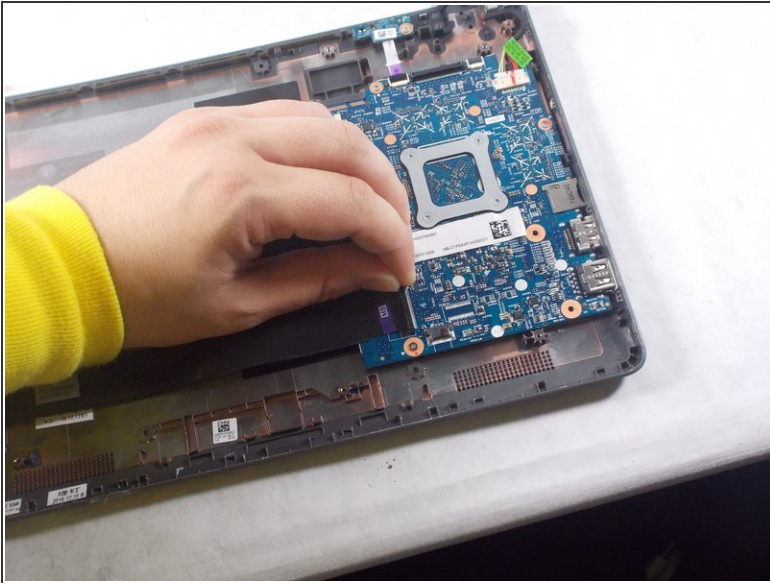
- Remove these wires that connect the motherboard to the power port.

Step 19



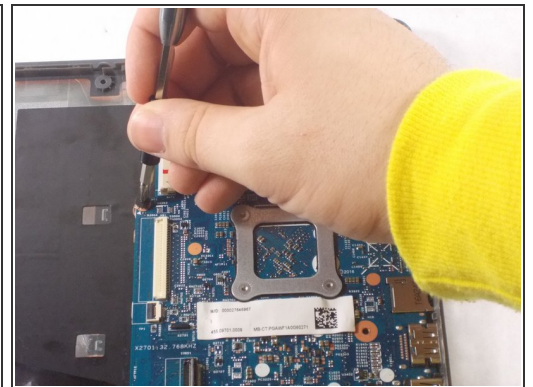
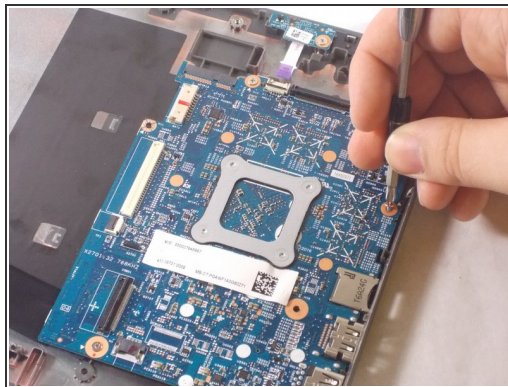
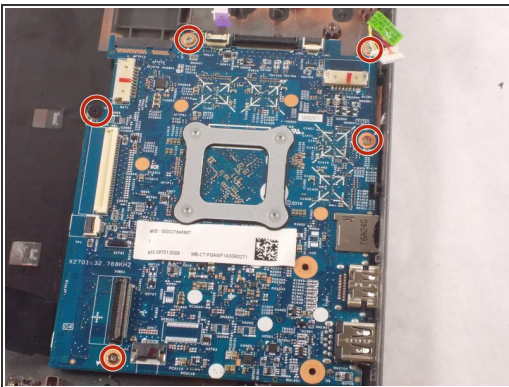
- Locate the wire at the top of the motherboard.
- Lift up the black tab that holds the wire in place.
- Remove the wire.

Step 20



- Locate the wire that connects the USB port and the motherboard.
- Lift up the black tap that holds the wire in place.
- Remove the wire.

Step 21



- Use a Phillips #0 screwdriver to remove five 1.3mm screws that hold the motherboard in place.

Step 22



- Remove the motherboard by hand.

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