



HP Spectre x360 13-ac023dx Motherboard Replacement

How to replace the motherboard in a HP Spectre x360 13-ac023dx.

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INTRODUCTION

If your HP Spectre x360 13-ac023dx laptop will not boot up after troubleshooting possibles errors, use this motherboard replacement guide.



TOOLS:

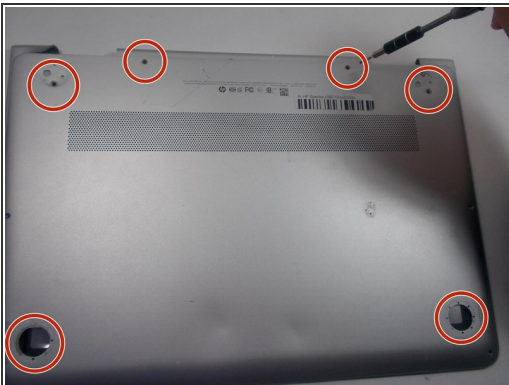
- [Phillips #000 Screwdriver](#) (1)
 - [iFixit Opening Tool](#) (1)
 - [T5 Torx Screwdriver](#) (1)
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Step 1 — Battery



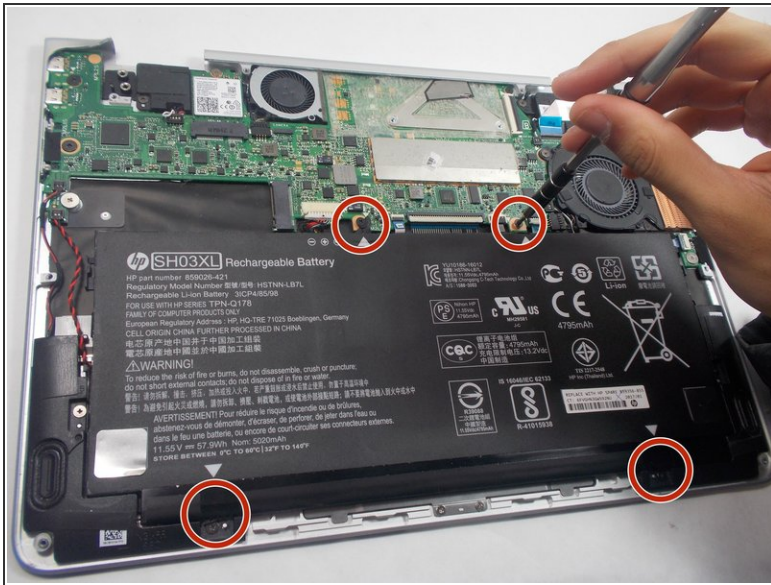
- Flip the laptop over so the model sticker faces the ceiling.

Step 2



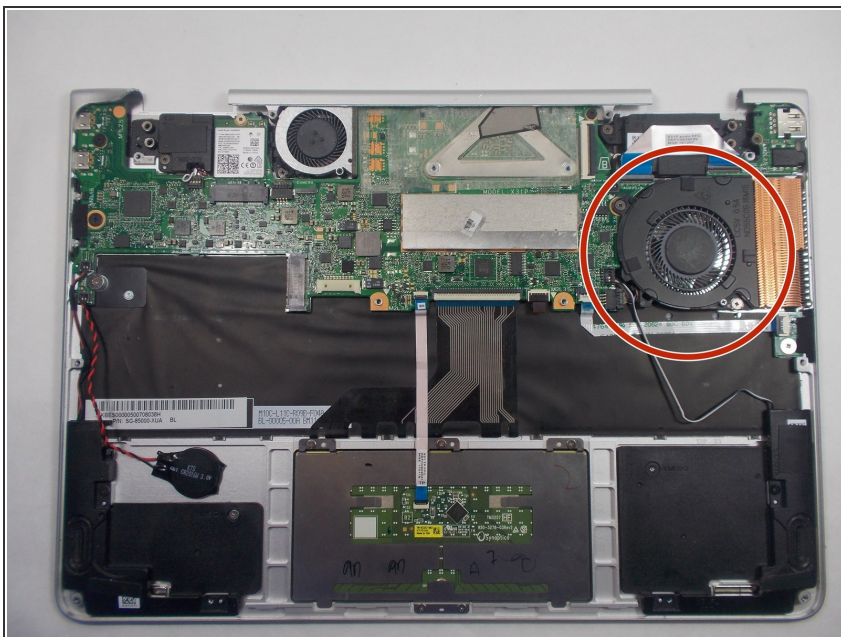
- Use a Torx #5 screwdriver to remove the six 3.5 mm screws holding the back cover to the laptop.

Step 3



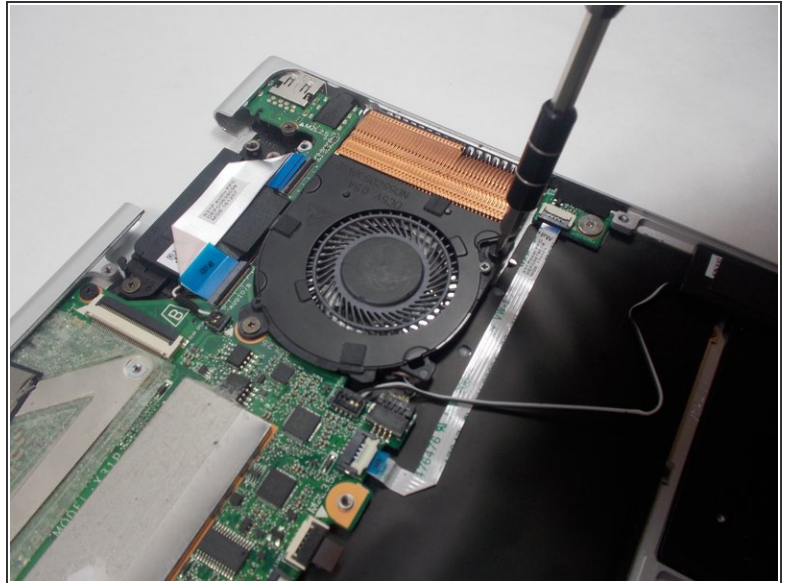
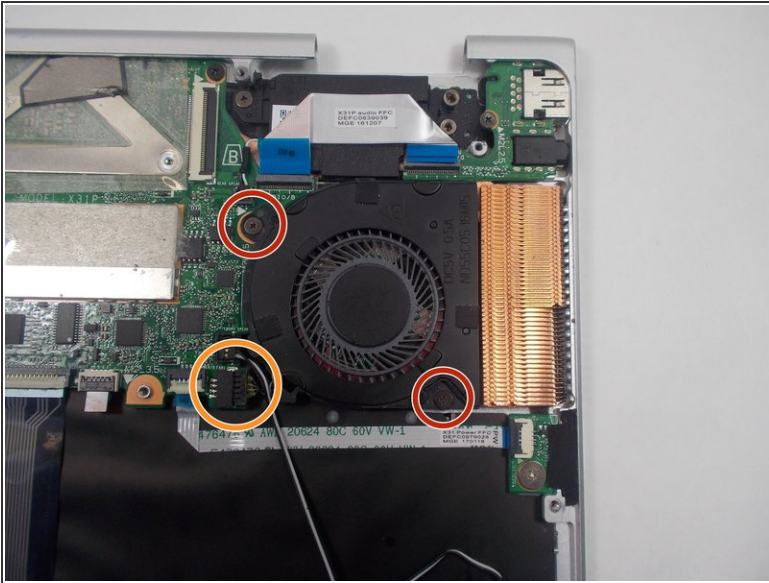
- Use the Phillips #000 screwdriver to remove the four 3.5 mm screws holding the battery.
- After removing the screws, detach the battery wire from the motherboard with the iFixit opening tool.
- Then, carefully lift the battery off with the iFixit opening tool.

Step 4 — Fan



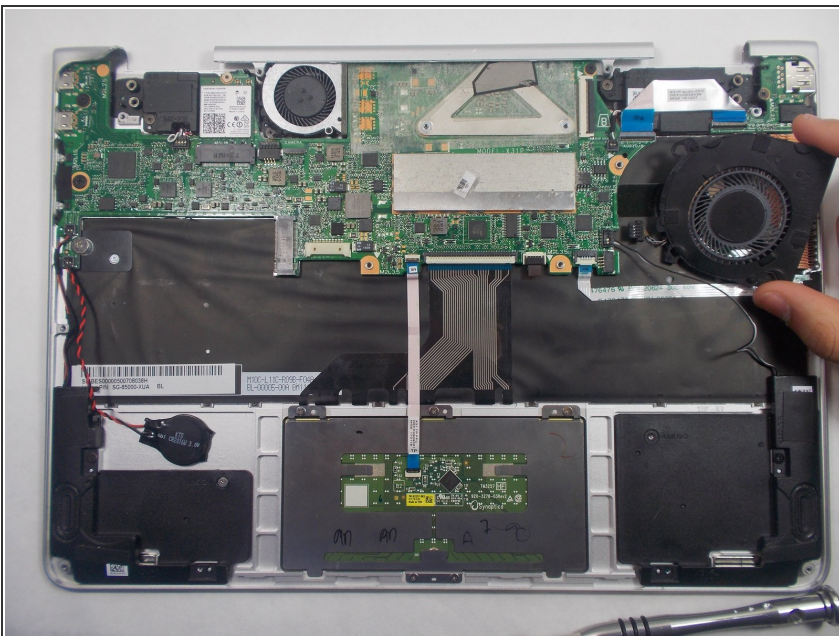
- Locate the Cooling Fan in the device.

Step 5



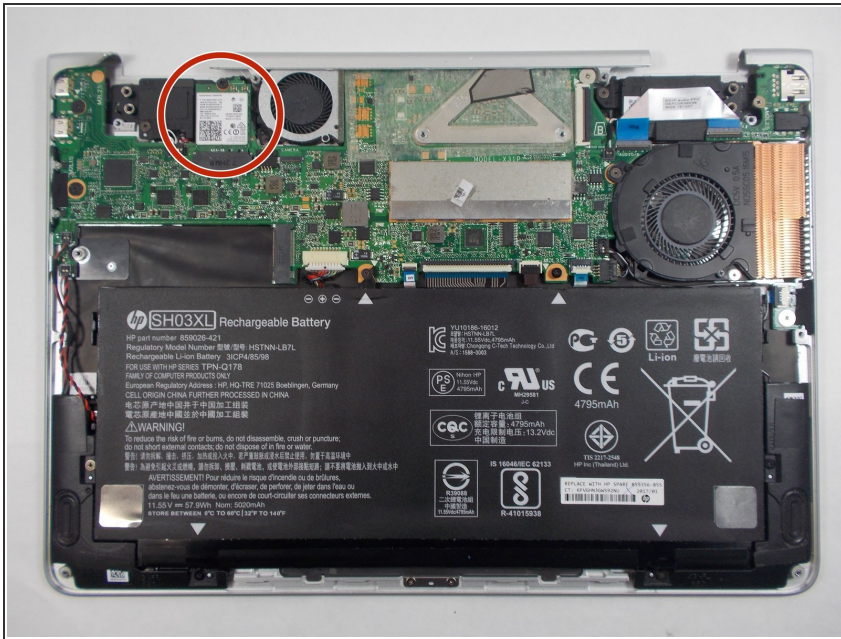
- Use the Phillips #000 screwdriver to remove the 3mm screws holding the fan in place.
- Remove the wires connecting to the motherboard, using the iFixit opening tool.
- ⓘ The iFixit Opening Tool is not required, but recommended

Step 6



- Remove the Cooling Fan.

Step 7 — WiFi Card



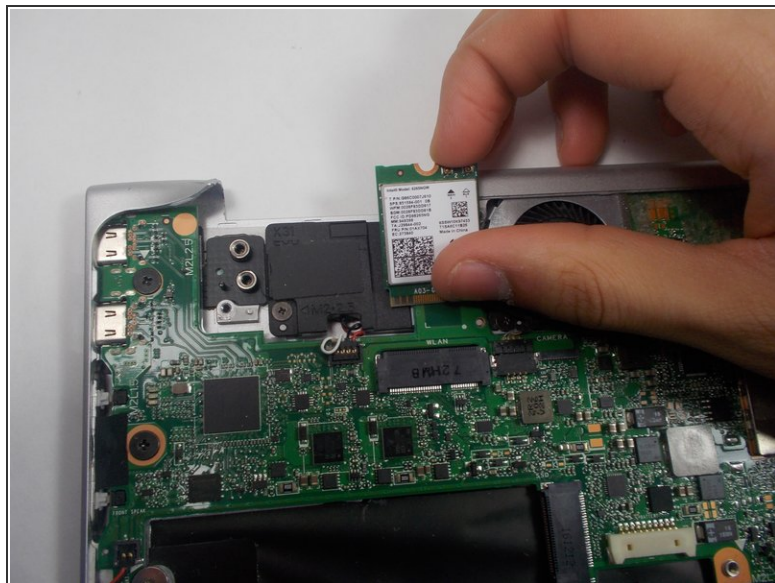
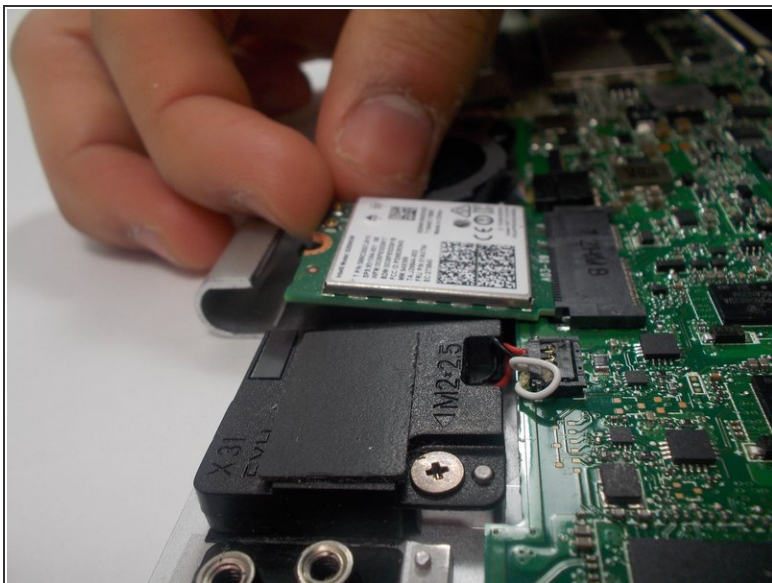
- Locate the WiFi card.

Step 8



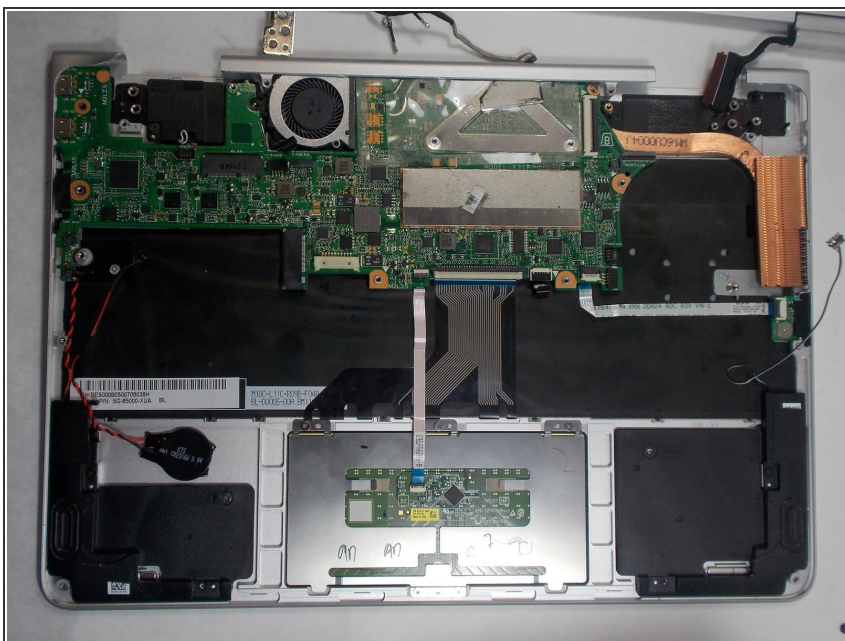
- Use the Phillips #000 screwdriver to remove the screw holding the wifi card in place.

Step 9



- Once the screw is removed, raise the WiFi card and slide it out from the motherboard.

Step 10 — Motherboard



- Ensure that all other components which were previously removed are not longer attached.

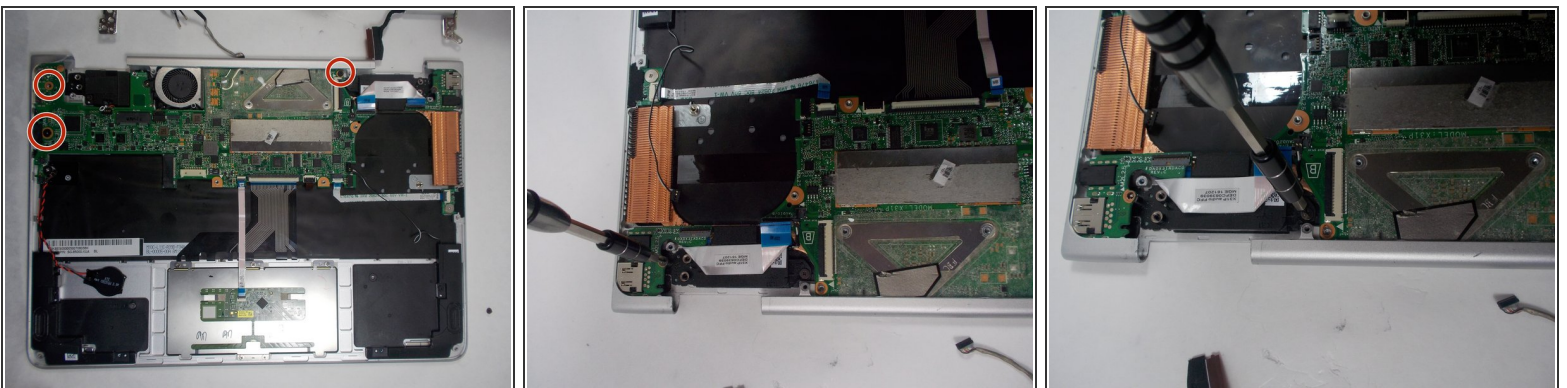
Step 11



- Disconnect the wires which connect the motherboard to the rest of the components.

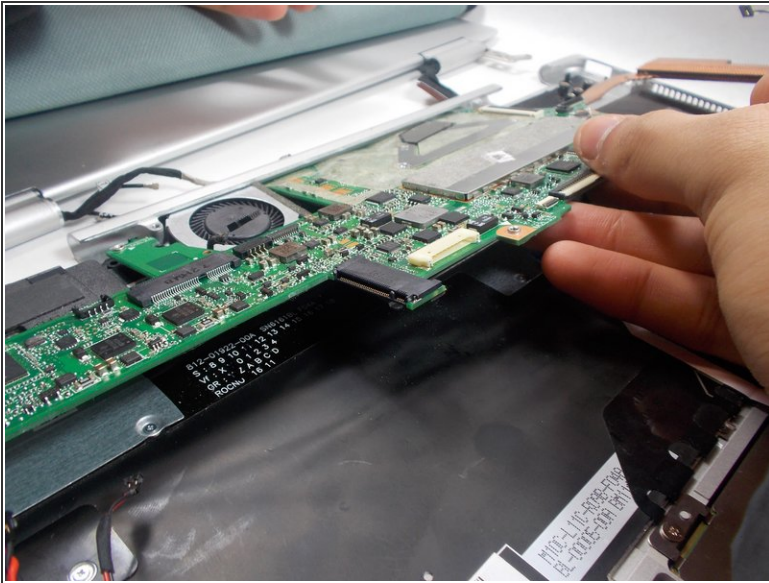
i The black and red wire can be removed by pulling the wire upwards.

Step 12



- Use the Phillips #000 screwdriver to remove the three 3.5 mm screws which keep the motherboard in place.

Step 13



- Carefully lift and remove the motherboard.

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