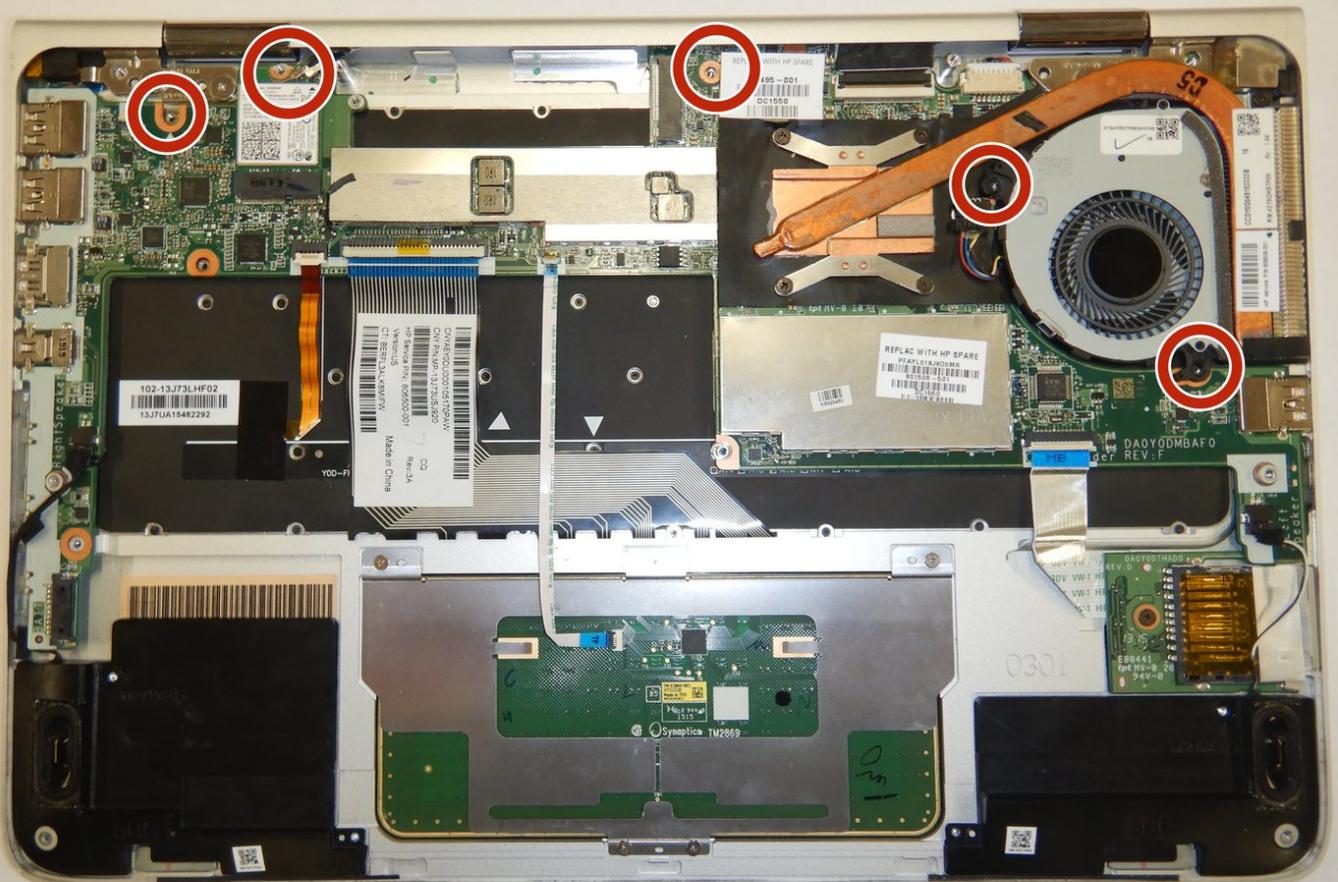




HP Spectre 13-4002dx Motherboard Replacement

This guide will show you how to remove and replace the motherboard on the HP Spectre 13-4002dx.

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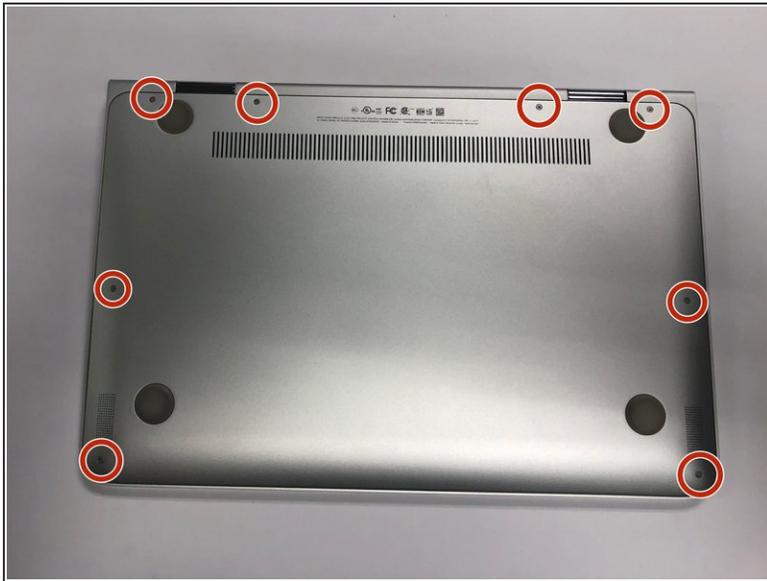
INTRODUCTION

The motherboard is the central hub for communication between all of the components in a device. If one or more components start to fail, your motherboard may need to be replaced. Use this guide to replace the motherboard in your laptop.

TOOLS:

- [Phillips #000 Screwdriver](#) (1)
 - [T5 Torx Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [Tweezers](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
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Step 1 — Bottom Case



- Using the Torx T5 screwdriver, remove the eight 8 mm screws on the bottom case of the laptop.

Step 2



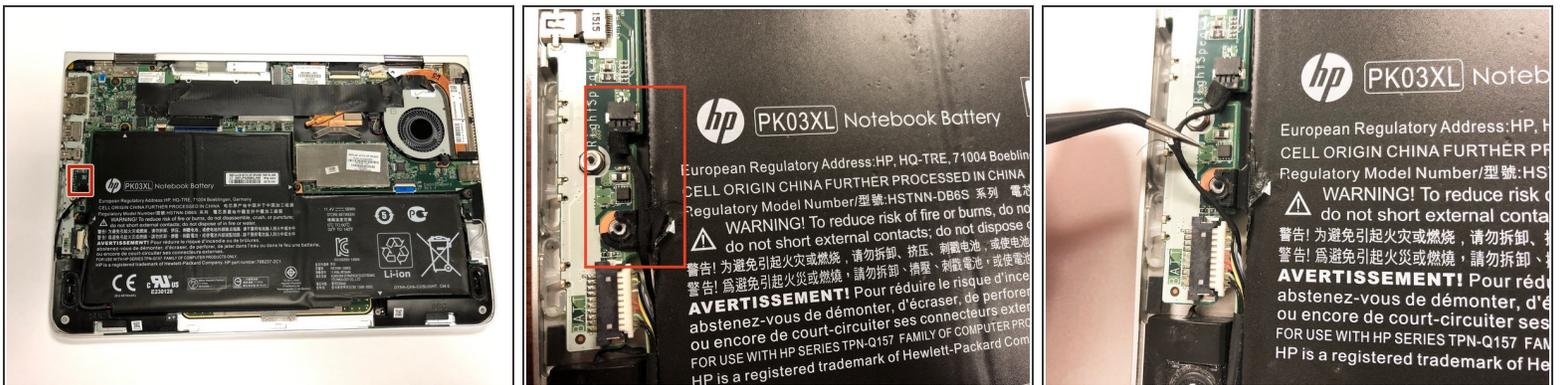
- Pry up one corner of the bottom case with a spudger.
- Work the spudger around the edges, making your way towards the bottom of the laptop.
- Remove the bottom case.

Step 3 — Battery



- Orient the laptop the same way as the pictures. The battery is bordered in a red outline.
- Remove the six 4 mm screws using a Phillips #000 screwdriver.

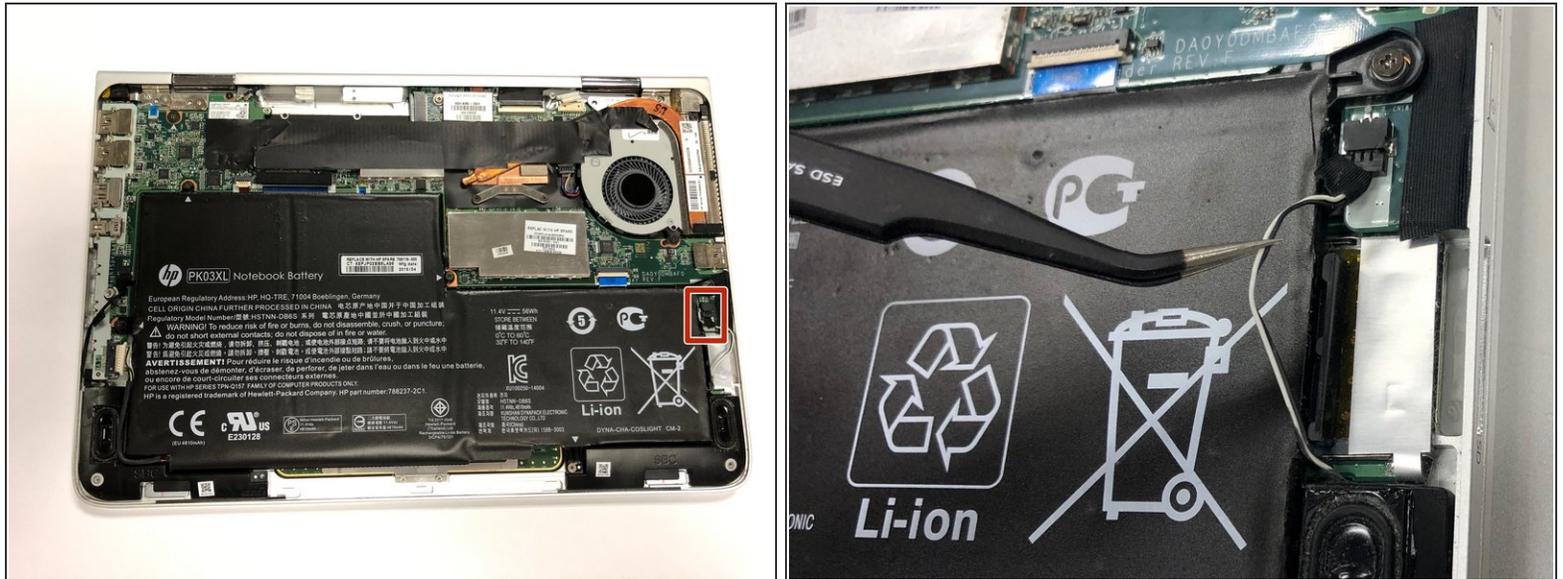
Step 4



⚠ Do not disconnect the cable connector shown in the red box.

- The speaker cable may be attached to the battery with black electrical tape. If so, remove the tape.
- Move the cable clear of the battery.

Step 5



⚠ Do not disconnect the cable connector located in the red box.

- Use tweezers to remove the speaker cable from the groove attached to the battery.
- Push the cable to the side so it does not get in the way of the battery removal.

Step 6



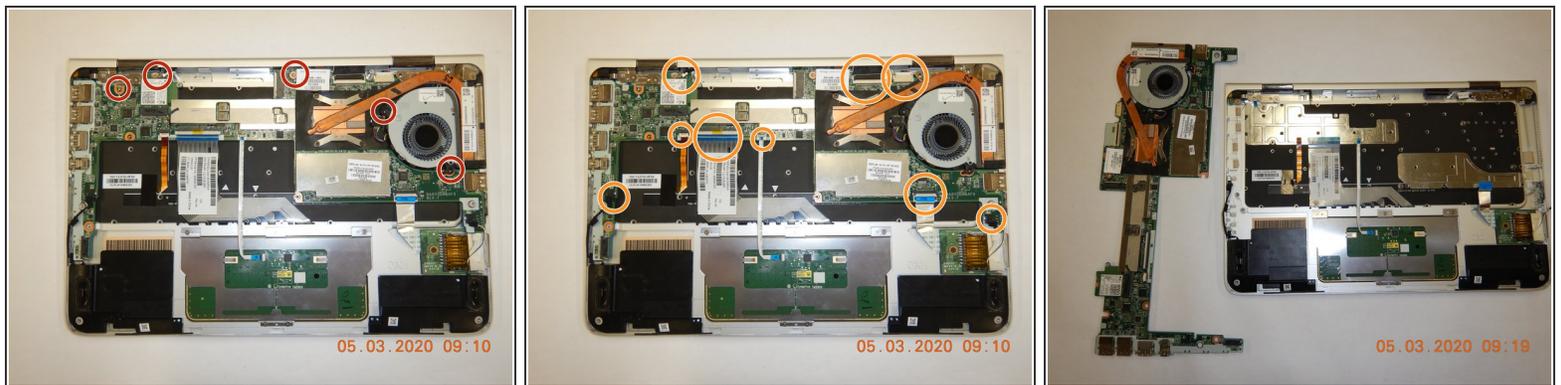
- Disconnect the battery cable connector by sliding it out of the socket.
- ⓘ Move the battery out of the way if you need more room to disconnect the power cable.

Step 7



- Carefully remove the battery.

Step 8 — Motherboard



- Remove the black tape from the motherboard.
- Remove five screws using the Phillips #00 screwdriver that holds the motherboard in place.
- Disconnect five ribbon cables, three power cables, and two wifi antennas from the motherboard.
- Gently lift the motherboard out of the computer. Be careful to not to disturb the CPU fan.

⚠ Do not bend the motherboard.

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