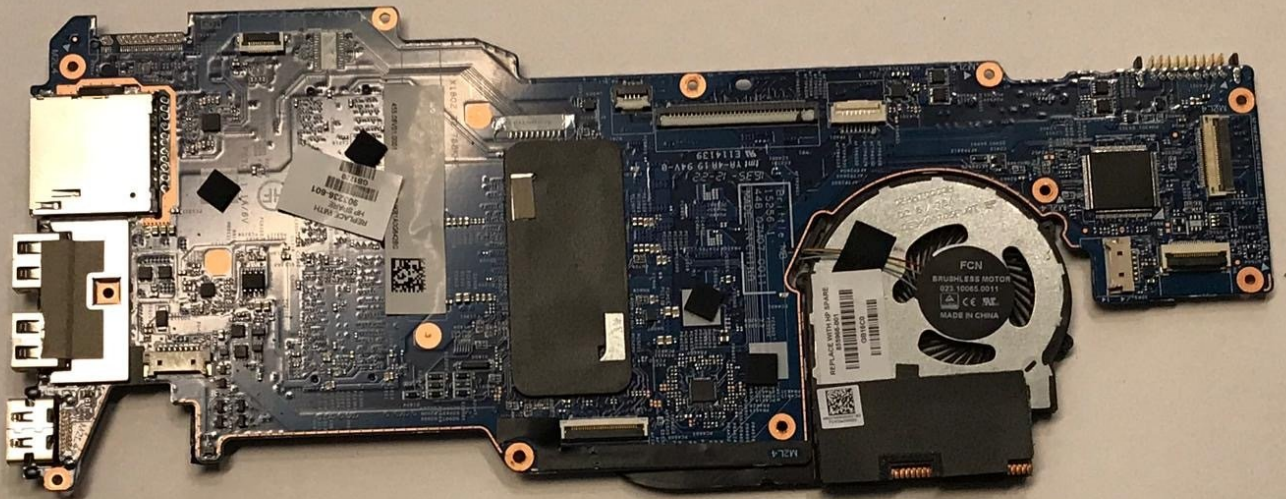




HP Pavilion x360 m3-u101dx Motherboard Replacement

Use this guide if you need to replace the motherboard in your HP Pavilion x360 m3-u101dx.

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INTRODUCTION

Use this replacement guide if your HP Pavilion x360 m3-u101dx motherboard is physically damaged or it has failed and the computer will no longer boot.

The motherboard is the main component inside the laptop that all other hardware components connect or plug into. Also identified as a circuit board, it is responsible for the communication between these hardware components so that they function simultaneously. The main hardware components that are connected to the motherboard are the CPU, hard drive, RAM, battery, and the display. The motherboard also allows for external components to be connected to it outside of your laptop such as a USB stick, a keyboard, a mouse, etc.

If you are unfamiliar what the motherboard looks like, it is quite simple to identify once the laptop is opened. It is the thin dark blue board made out of fibre glass that has pieces of copper embedded into it. You can also easily identify it by noting where the above mentioned hardware components are being plugged into by a ribbon cable.

A motherboard can fail for various reasons but the most common ones are when it has physical damage from being dropped multiple times, overheating, and electrical shocks.

IMPORTANT: Please ensure that you have thoroughly read through our [troubleshooting page](#) before proceeding to this replacement guide. You need to eliminate all other possible hardware issues that could be related to causing issues with the motherboard before spending time and money to replace this component.



TOOLS:

- [iFixit Opening Tools](#) (1)
- [Phillips #1 Screwdriver](#) (1)



PARTS:

- [903236-601](#) (1)

Step 1 — Keyboard Panel



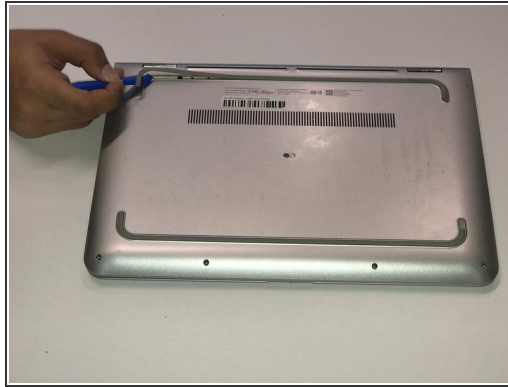
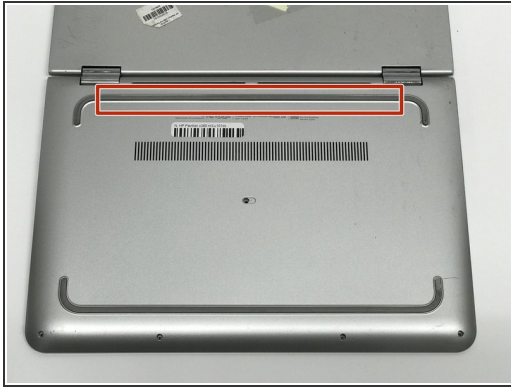
- Flip the laptop over so that the bottom of the laptop is facing up.

Step 2



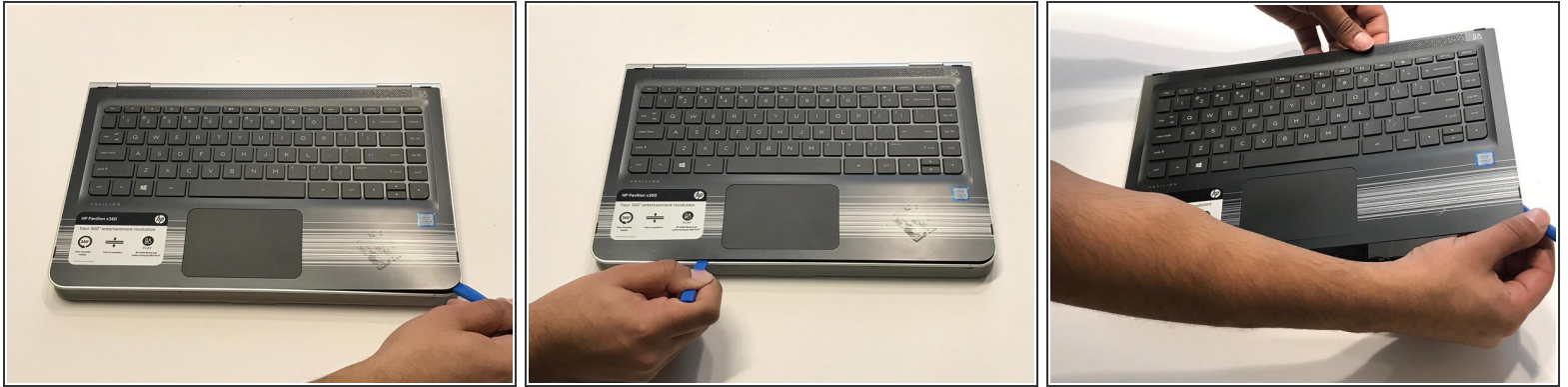
- Remove five 1.4mm Phillips #1 screws from the bottom of the laptop.

Step 3



- Remove the rubber grip using a plastic opening tool.
- Remove five 1.7mm Phillips #1 screws.

Step 4



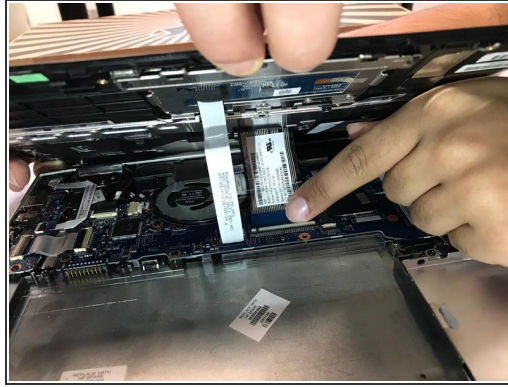
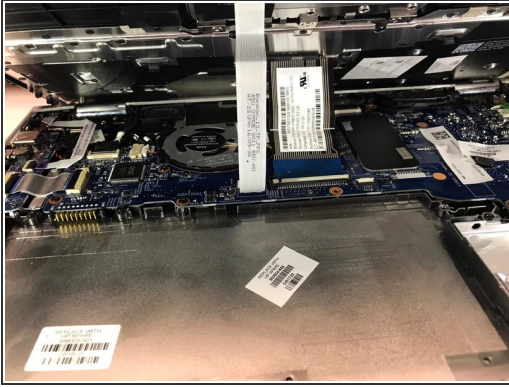
- Lift open the laptop screen and flip it around so that the keyboard is facing up.
- Insert a plastic opening tool into one of the corners to create a gap between the bottom panel and the keyboard panel.
- Guide the plastic opening tool around the perimeter of the panel to detach all the clips that are supporting it in place.

⚠ Do not pull the panel off by one corner as it can cause damage to the plastic.

- Detach the keyboard panel from the frame.

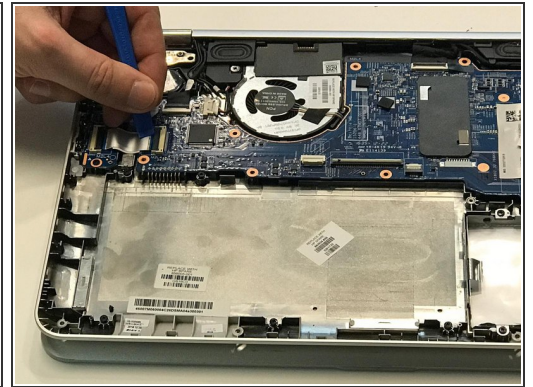
⚠ There are two ribbon cables attached to the keyboard and trackpad so do not pull the keyboard panel away until you disconnect these ribbons in the next step.

Step 5



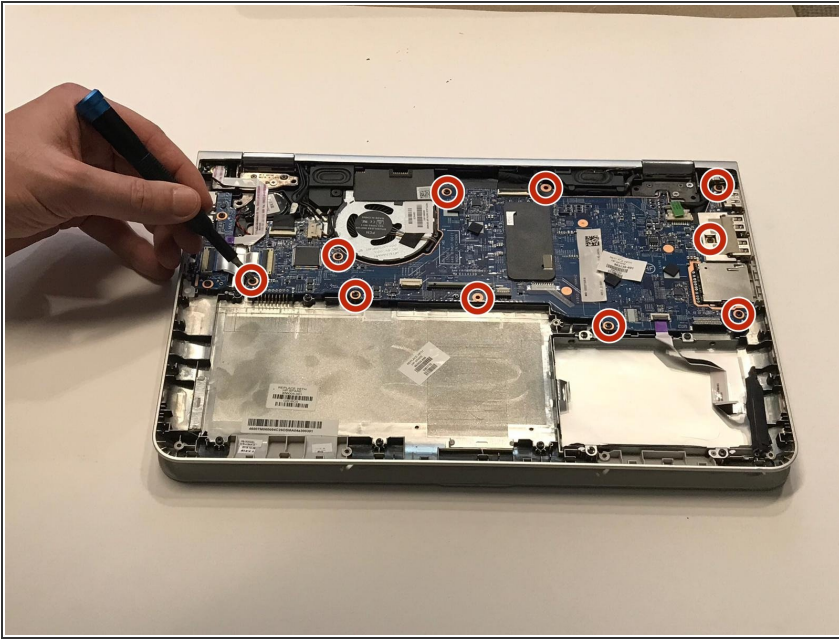
- Remove the two ribbon cables connected to the inside of the laptop by using a finger to lift up on the latches.
- Remove the keyboard panel from the rest of the laptop.

Step 6 — Motherboard



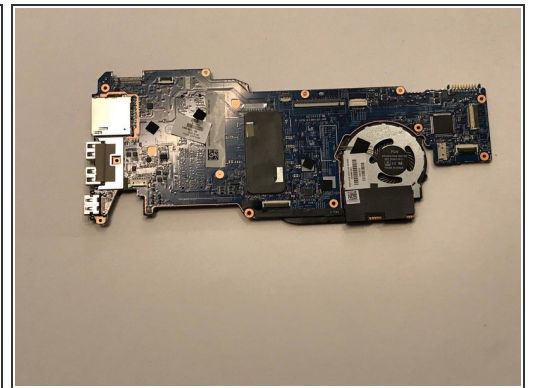
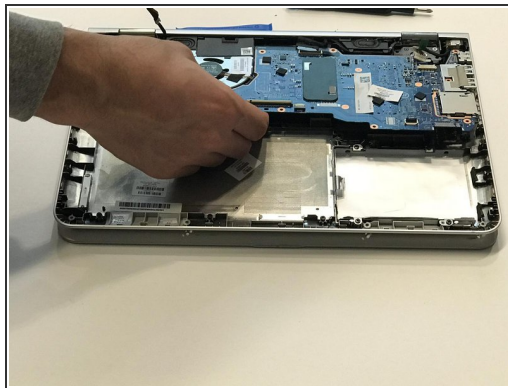
- i** The component that you **MUST** disconnect first is the battery to prevent any power that might be stored in the the computer even if it is shutdown.
- Use a plastic opening tool to lift the battery cable out from the motherboard.
- Disconnect the seven ribbon cables connected to the motherboard using a finger or plastic opening tool.
- i** You can work from left to right from the battery to ensure no cables are missed.

Step 7



- Remove the ten 1.2mm Phillips #1 screws that hold the motherboard into the frame of the laptop.

Step 8



- Remove the motherboard by lifting it up and pulling it out.

⚠ DO NOT force it out if the motherboard appears to be stuck. Track back and see what is preventing the motherboard from being removed (i.e. cable or screw) to prevent any damage to other components.

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