HP Envy x360 15-bp143cl Motherboard Replacement
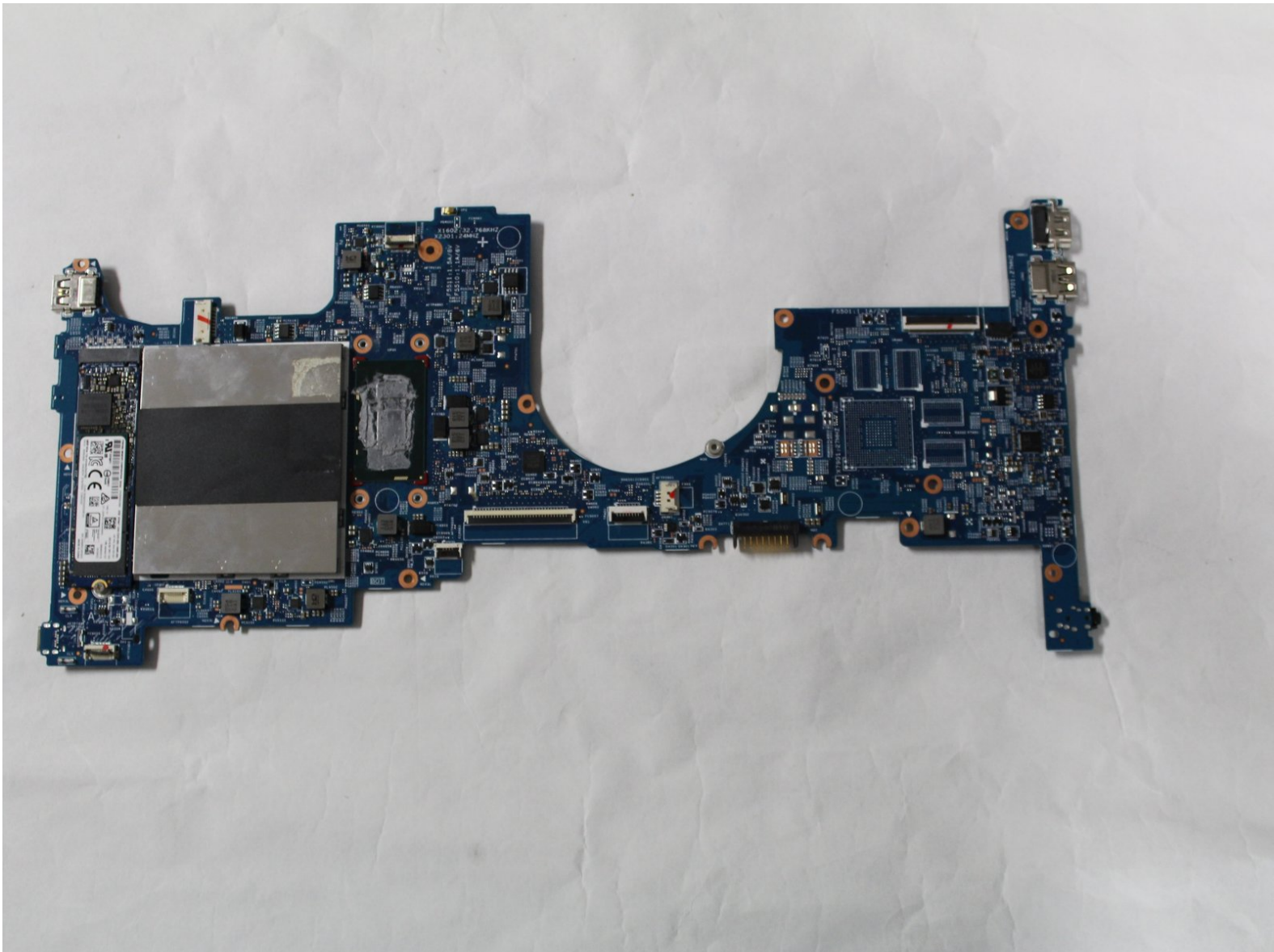
This guide will show you how to replace the...

Written By: Thomas Schemm

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INTRODUCTION

This guide will show you how to replace the motherboard on your HP Envy laptop. There are two main reason for doing this, you can upgrade your board, or fix a bad one. Without further ado, let us begin.
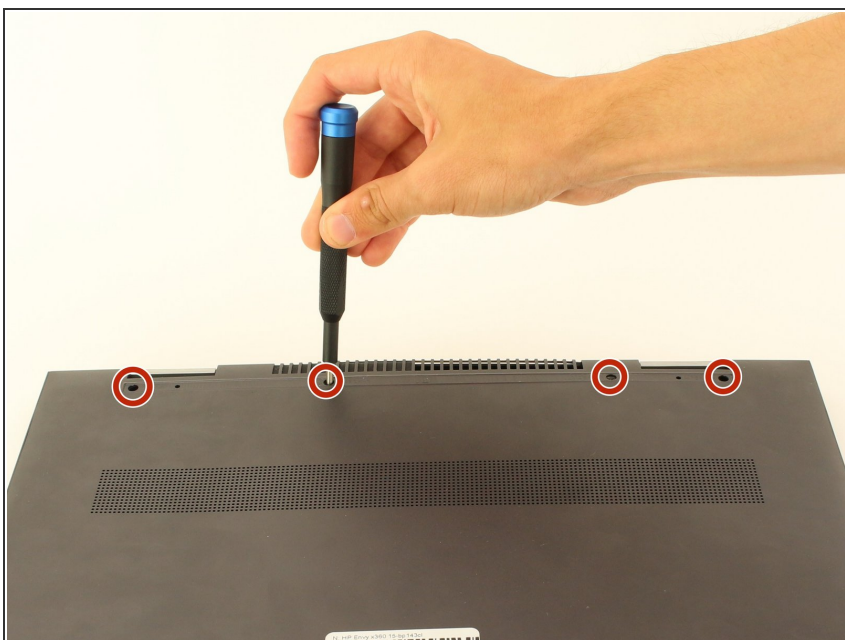
🔧 TOOLS:

- [Phillips Head Screwdriver: Size PH1](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [iFixit Opening Tool](#) (1)
- [Anti-Static Wrist Strap](#) (1)

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Step 1 — Battery

- Flip the laptop over.

- Peel off the rubber strip closest to the hinges.

Step 2

- Use a Phillips #1 screwdriver (PH1 bit) to remove the four 6.5mm screws that were underneath the rubber strip.

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Step 3

- Use a Torx T5 screwdriver (T5 bit) to remove the three 5mm screws near the bottom edge of the laptop.

Step 4

- Lift the back panel to remove it from the laptop.

- ⓘ Use an opening tool to pry open the back panel if it does not easily lift apart.
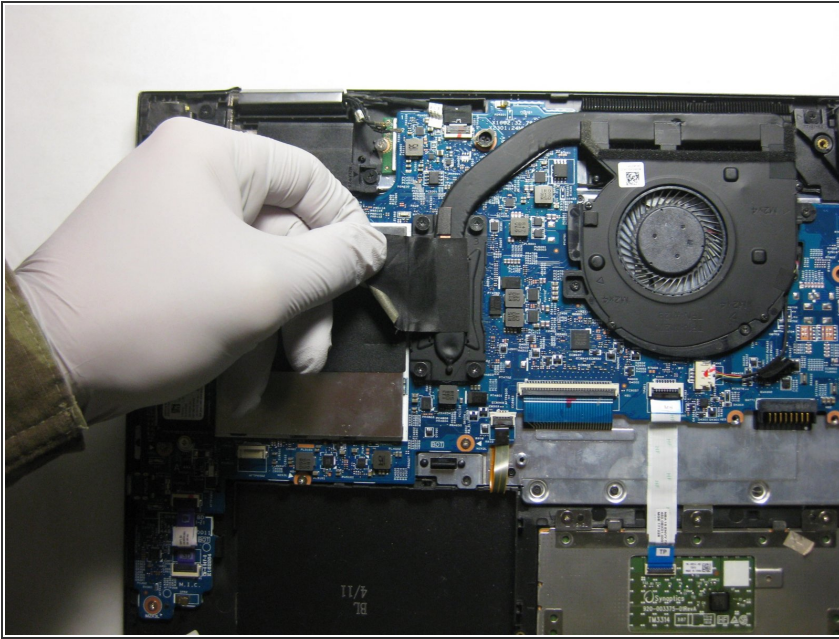
Step 5

- Use a Phillips #1 screwdriver (PH1) to remove the seven 4mm screws indicated by the gray arrows on the battery.
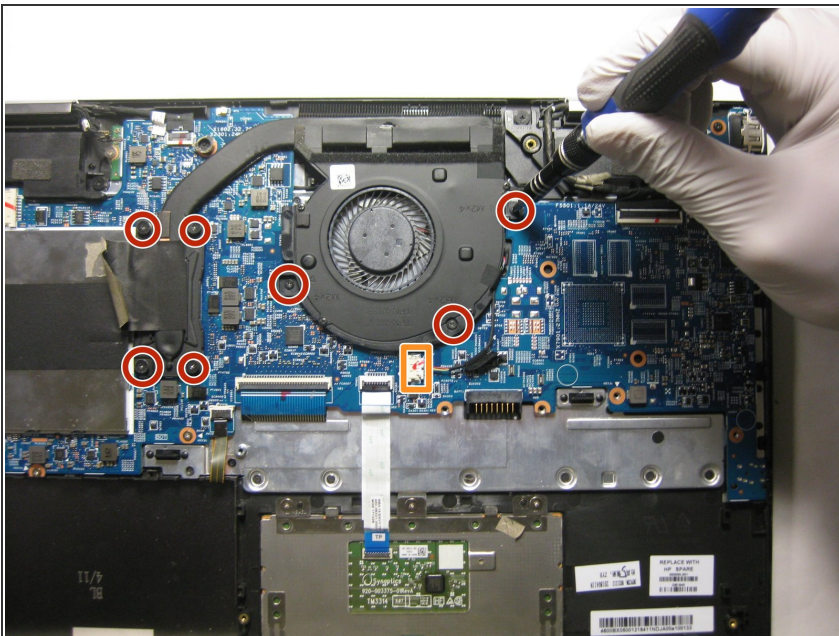
Step 6

- Pull the battery from the connecting port and lift to remove it from the laptop.

Step 7 — Motherboard
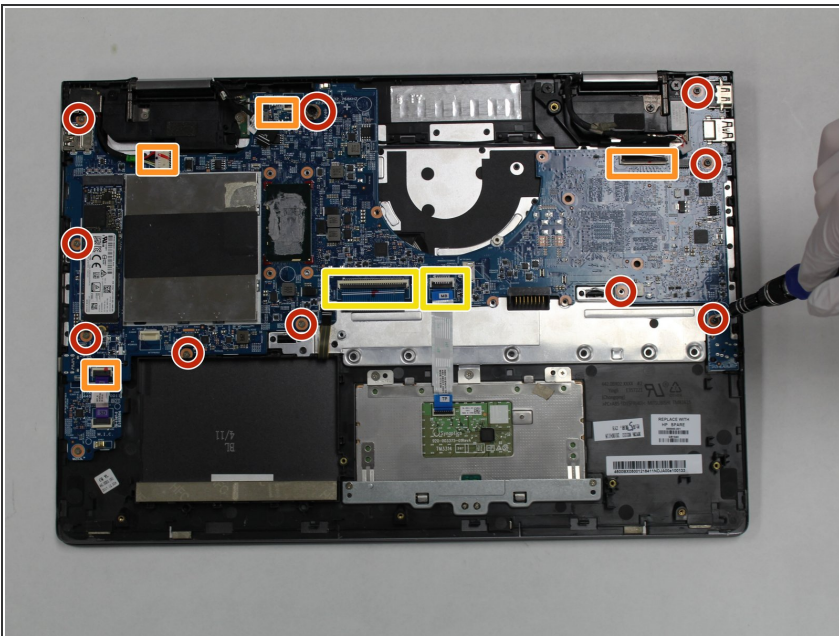

- Peel off the tape securing the heatsink.

Step 8

- Use a Phillips #1 screwdriver to remove the seven 4 mm screws securing the fan.

- Detach the fan cable from the mother board.

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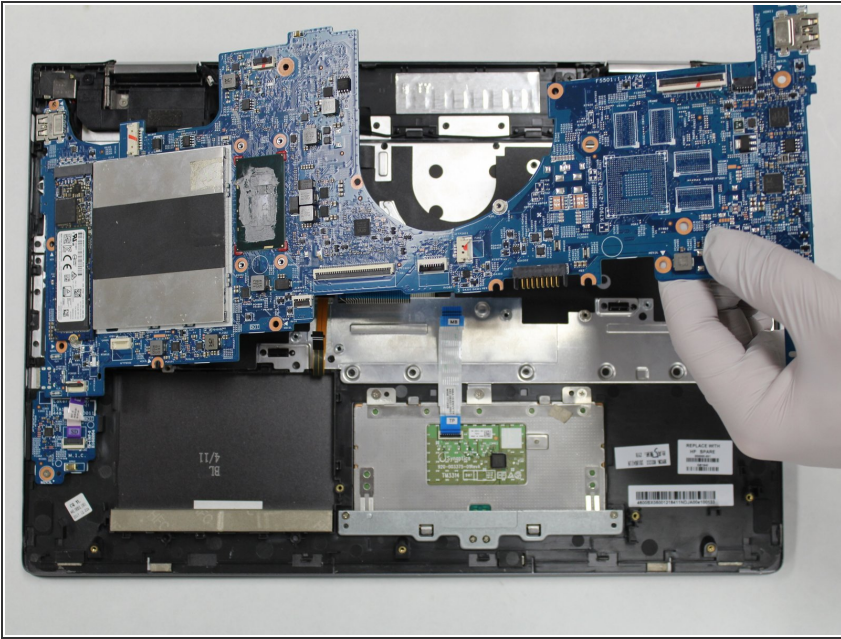
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Step 9

- Lift the fan up and off the motherboard.

Step 10

- Use a Phillips #1 screwdriver to remove the ten 4 mm screws securing the motherboard.

- Pull the four cables directly out of their ports.

- Flip up the lock-bar on the two ZIF connectors, then gently pull the two ribbon cables directly out of their ports.

Step 11

- Gently lift the motherboard up and out of the chassis.

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