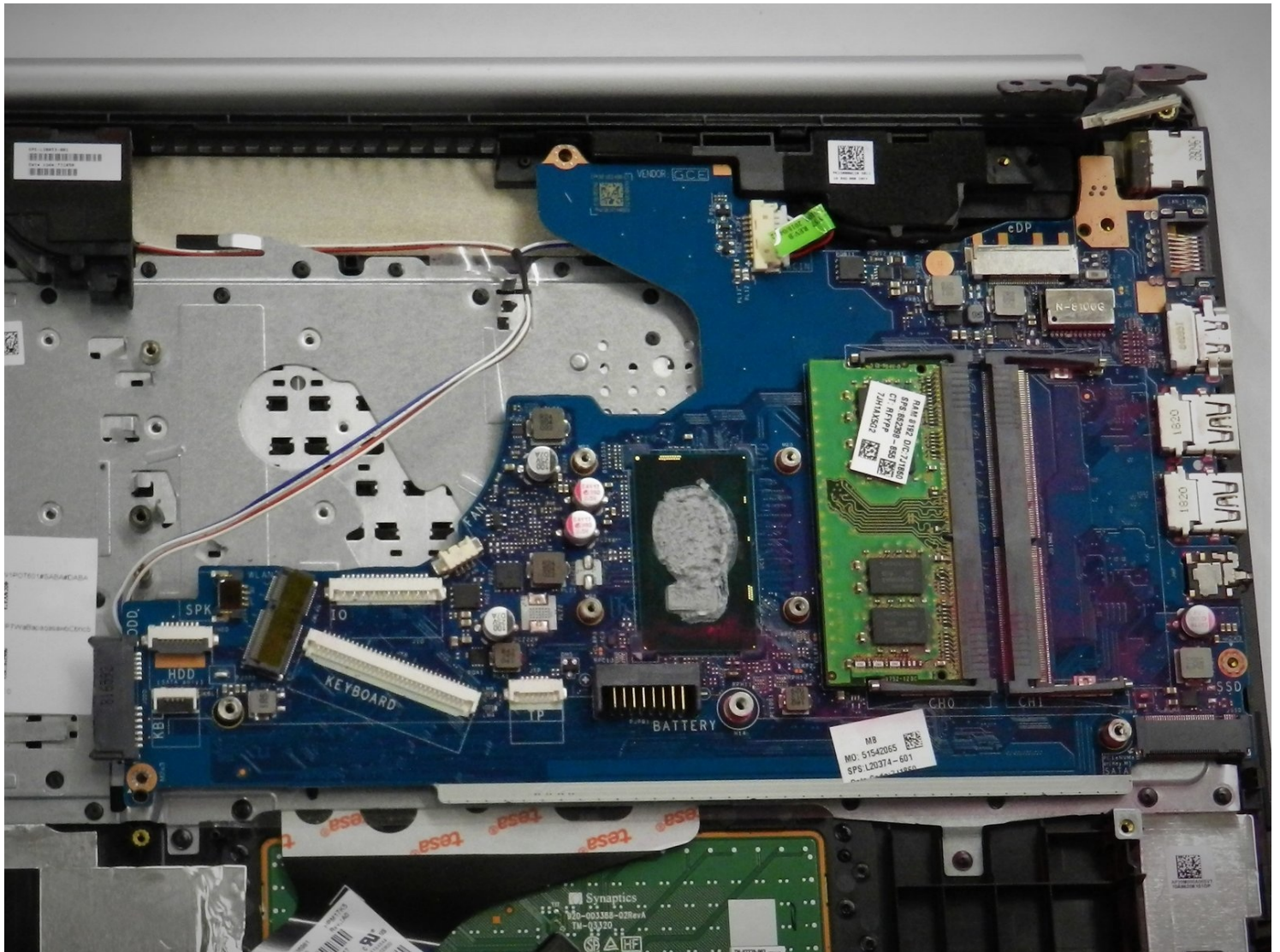




HP 15-da0012dx Motherboard Replacement

If your HP 15-da0012x motherboard does not...

Written By: Chase Wilson



INTRODUCTION

If your HP 15-da0012x motherboard does not display anything, or an error code appears, this is the guide to replace it. A motherboard is the centerpiece of a PC, connecting every part to each other in a uniform way. A faulty motherboard can result in failure to start or pass the first stages of startup or cause an issue with other PC parts not working. A new motherboard will help in solving multiple issues, however this process can be challenging for beginners and some experience may be required.

Prior to beginning the guide, be sure to disconnect your computer from the charging cable, power off your device and remove your battery.

TOOLS:

[iFixit Opening Tool](#) (1)

[Phillips #1 Screwdriver](#) (1)

[Tweezers](#) (1)

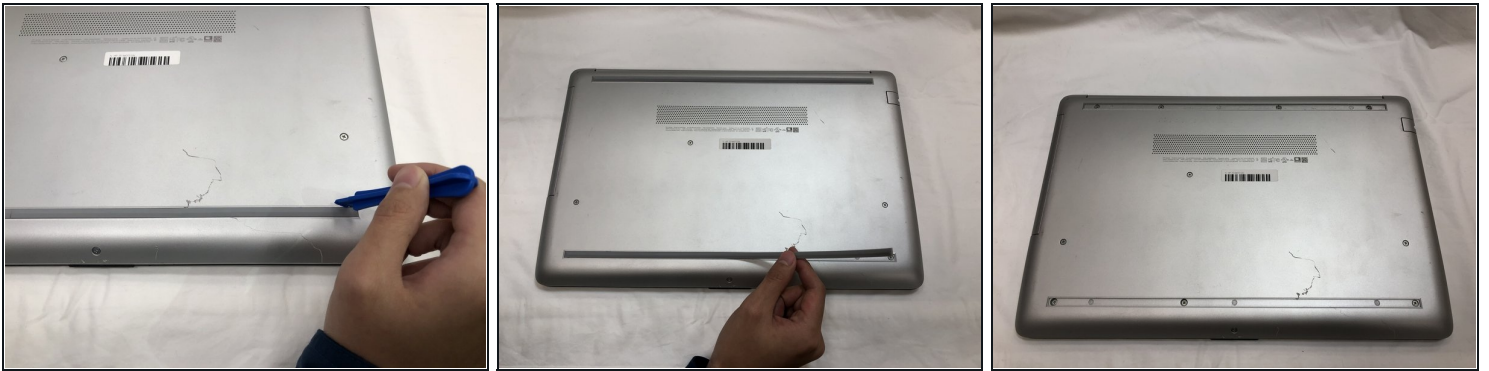
Step 1 — Battery



 **Power down your laptop before proceeding.**

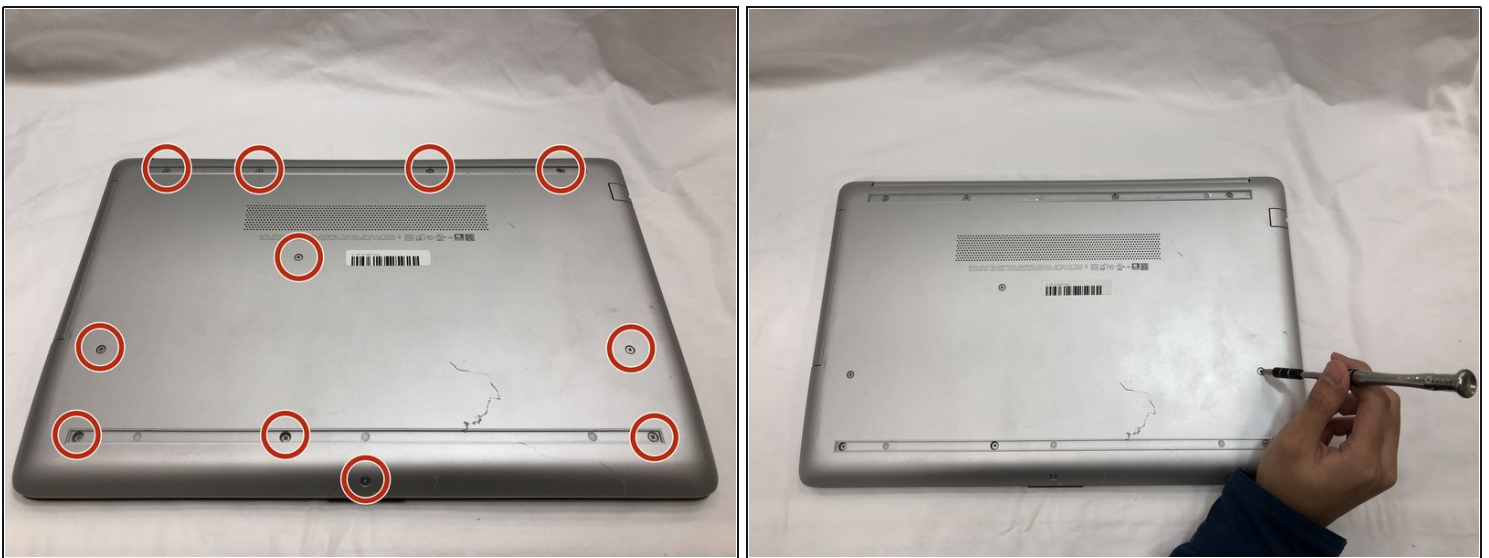
- Turn your laptop over so that the Laptop Identification Tag on the underside of the laptop faces the ceiling.

Step 2



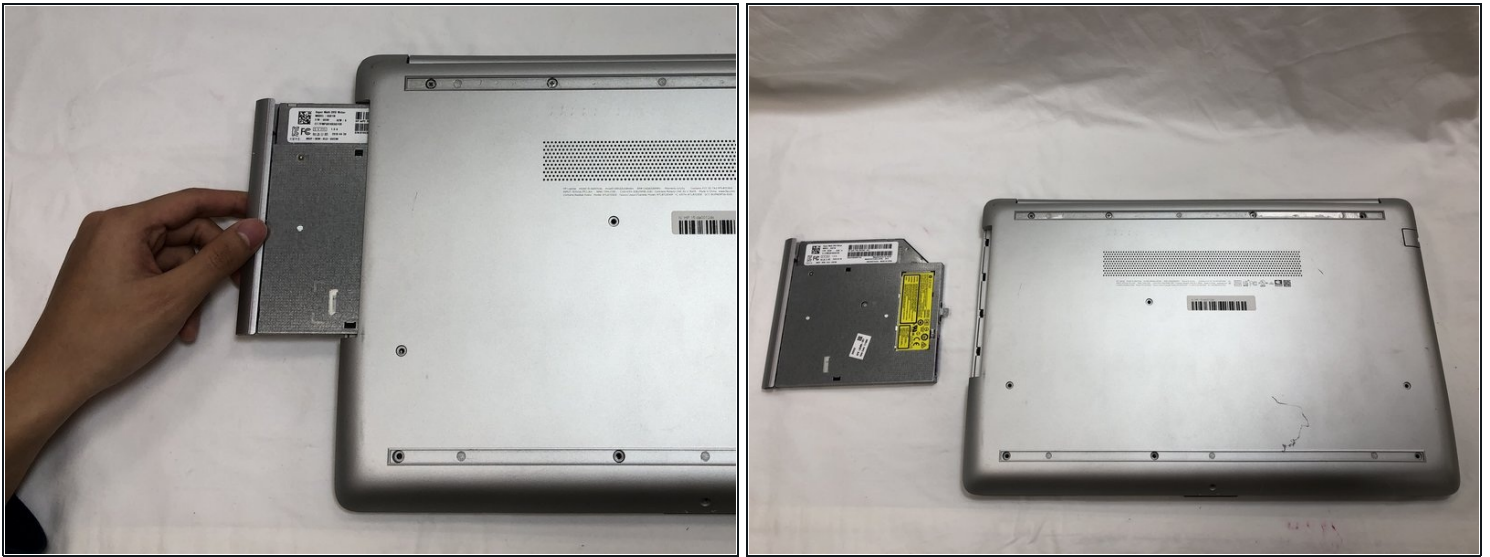
- Using the plastic opening tools, peel back the plastic feet from the underside of the laptop.

Step 3



- Using a Phillips #1 screwdriver, remove the eleven 9.0 mm screws holding the back cover in place.

Step 4



- Slide the optical drive out of the computer.

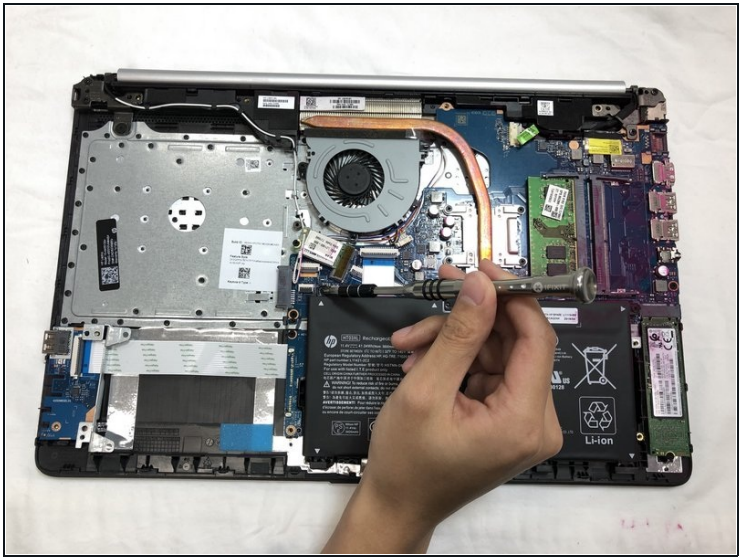
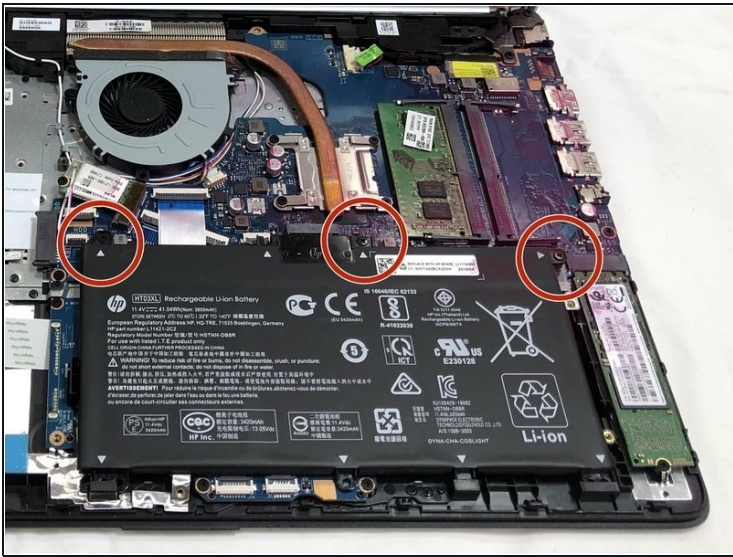
Step 5



- Flip the computer over and open the screen.
- Start from a corner and run the plastic opening tools along the edge of the back cover.
- After the cover has been completely loosened around the entire perimeter, close the screen and flip the computer over.
- Gently pry back the cover starting from the middle, bottom edge.

⚠ Make sure not to bend or crack the plastic cover.

Step 6



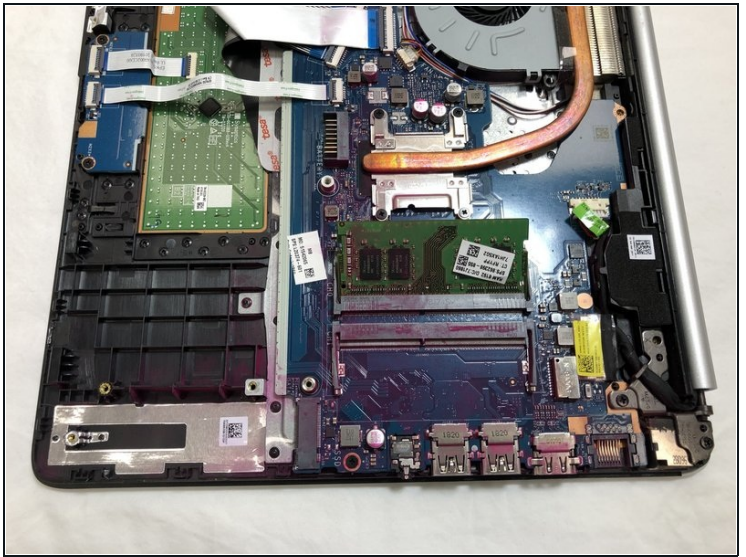
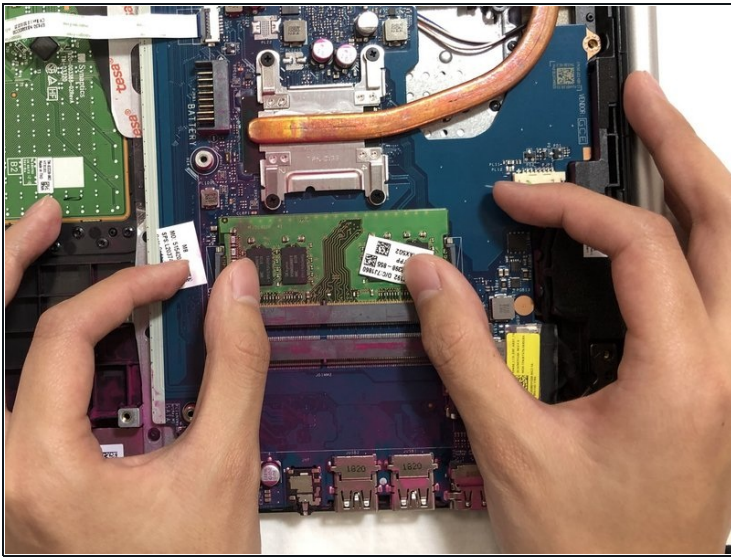
- Using the Phillips #1 screwdriver, remove the three 8.0 mm screws holding the battery in place.

Step 7



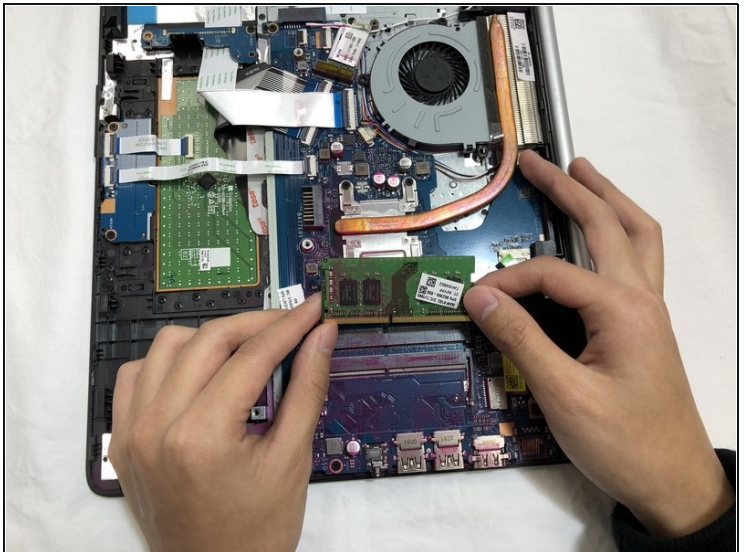
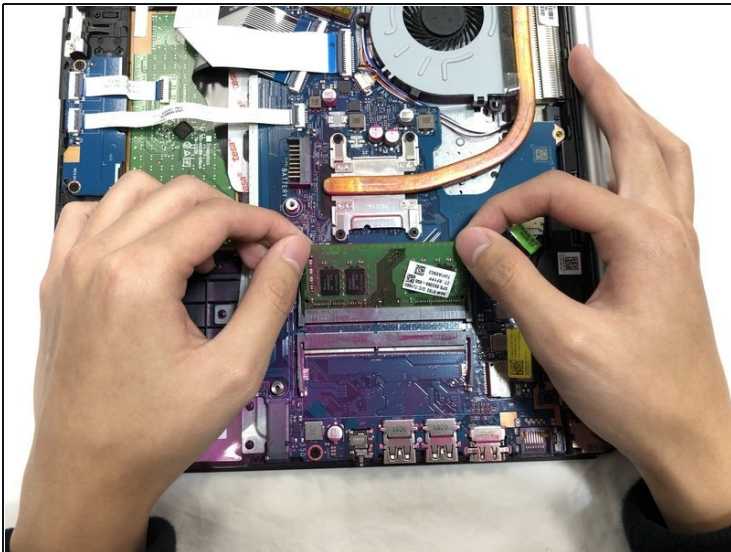
- Remove the battery by tilting the top of the battery towards you and pulling the battery away from the mounting tabs.

Step 8 — RAM



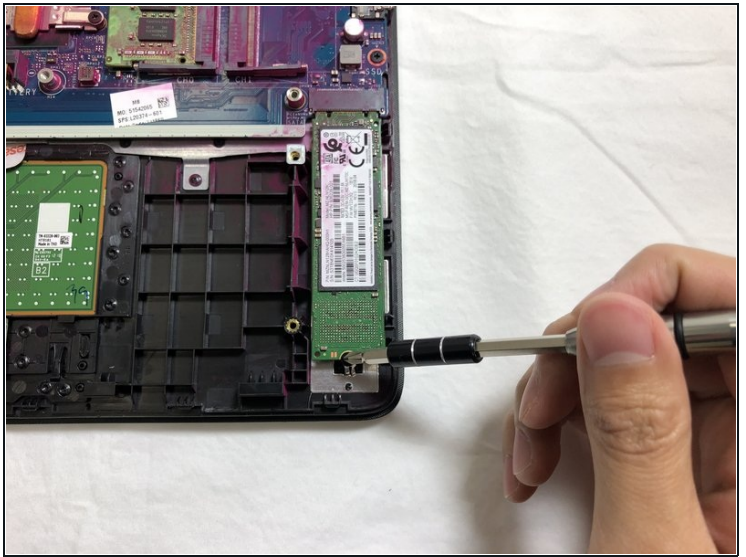
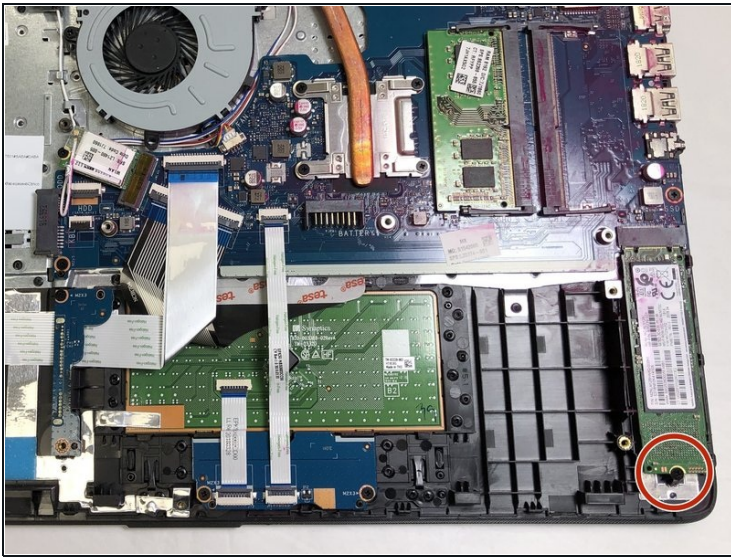
- Spread the retention clips on either side of the RAM module outward until you hear a click sound.
- ① The RAM module should tilt up at a 45 degree angle.

Step 9



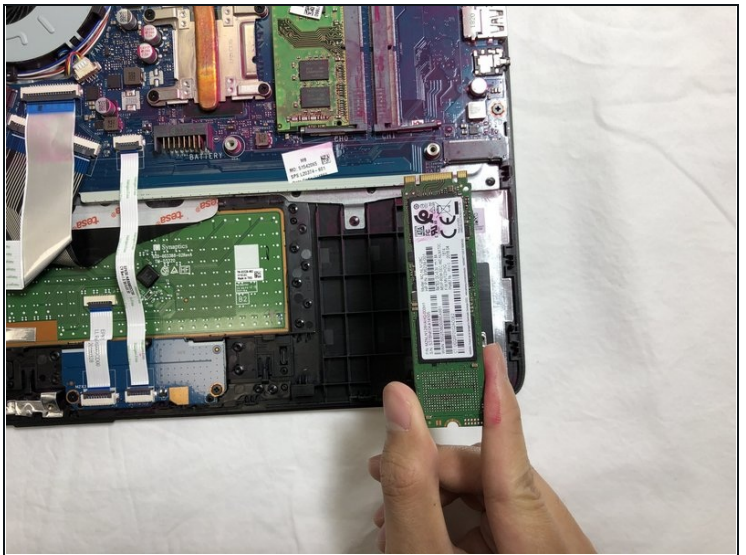
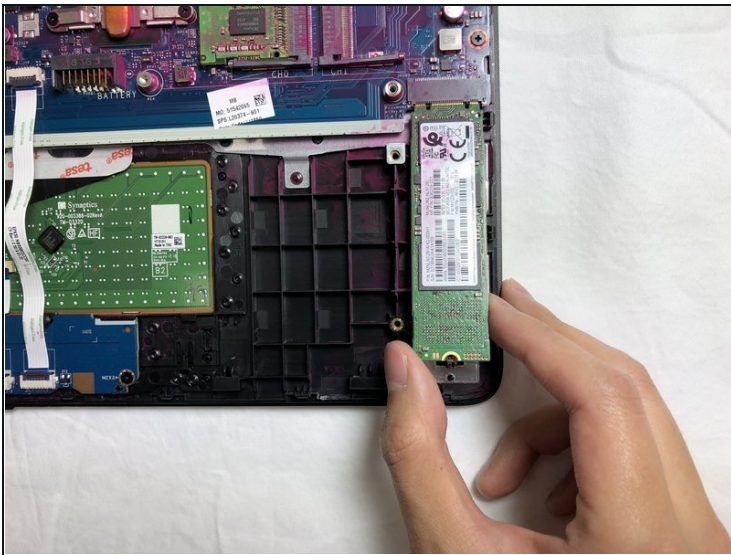
- Grasp the edge of the RAM module and pull it away from the slot.
- ① Follow Steps 8 and 9 to remove both RAM modules.

Step 10 — SSD



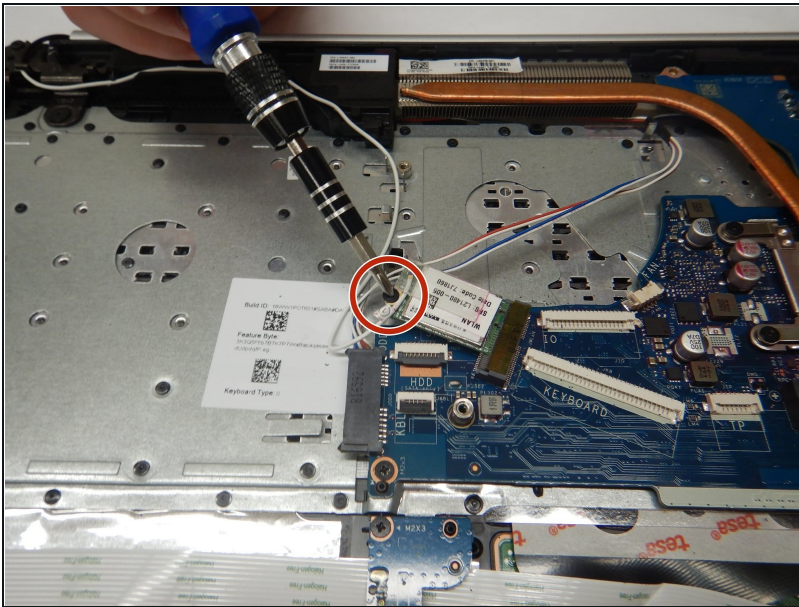
- Using the Phillips #1 screwdriver, remove the single 3.0 mm screw holding the SSD module in place.

Step 11



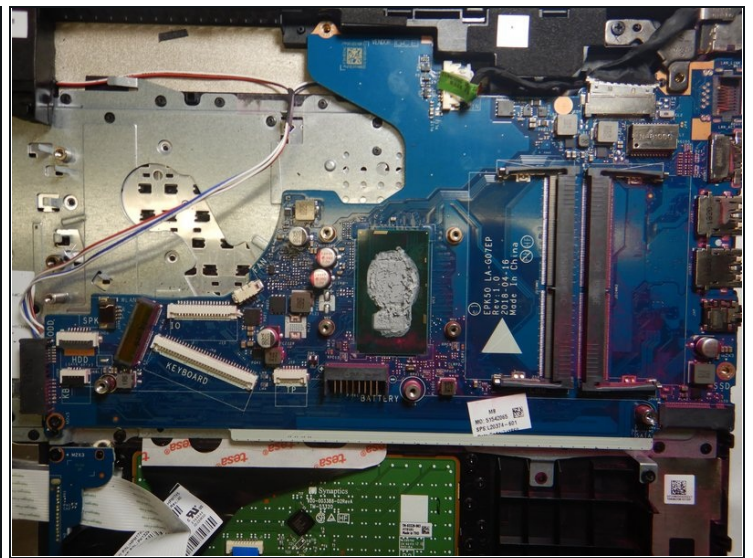
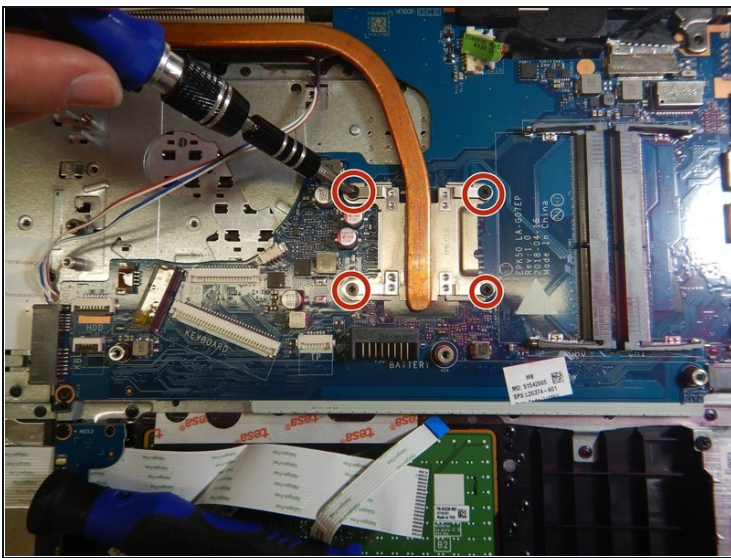
- Pull the SSD module away from the socket.

Step 12 — Motherboard



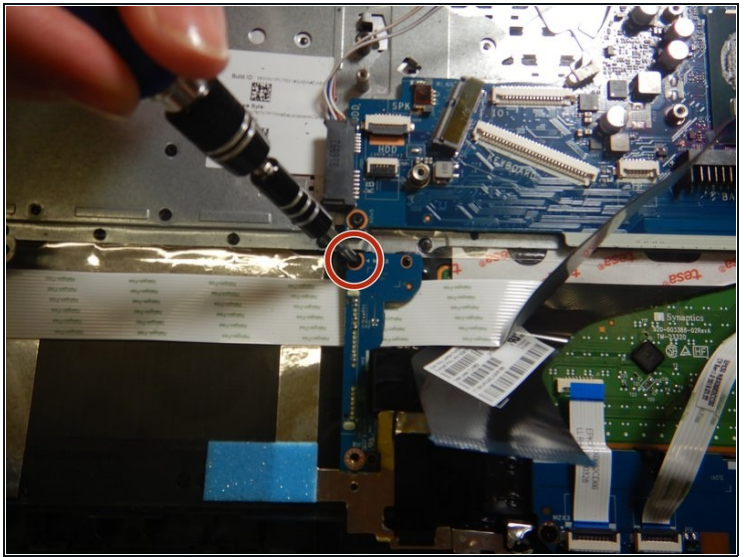
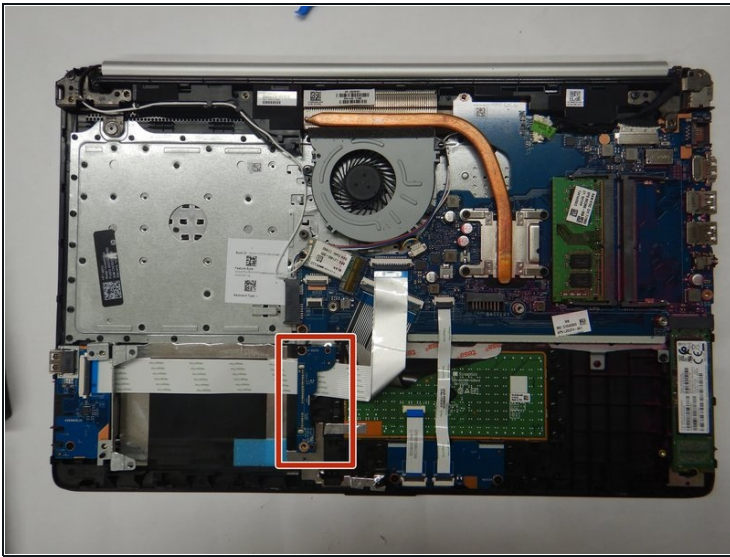
- Using the Phillips #1 Screwdriver, remove the single 3.0 mm screw holding the wifi card and gently pull the wifi card away.

Step 13



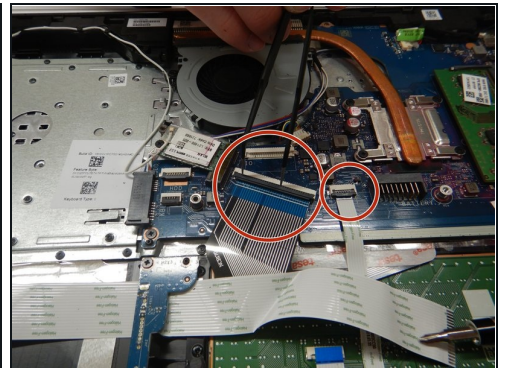
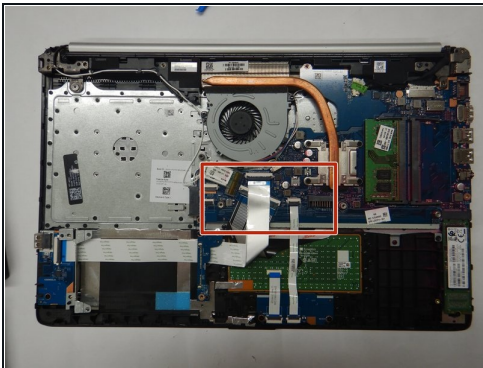
- Using the Phillips #1 Screwdriver, remove the four 3.0 mm screws holding the heat sink in place.
- Gently pull the heat sink out of the laptop.

Step 14



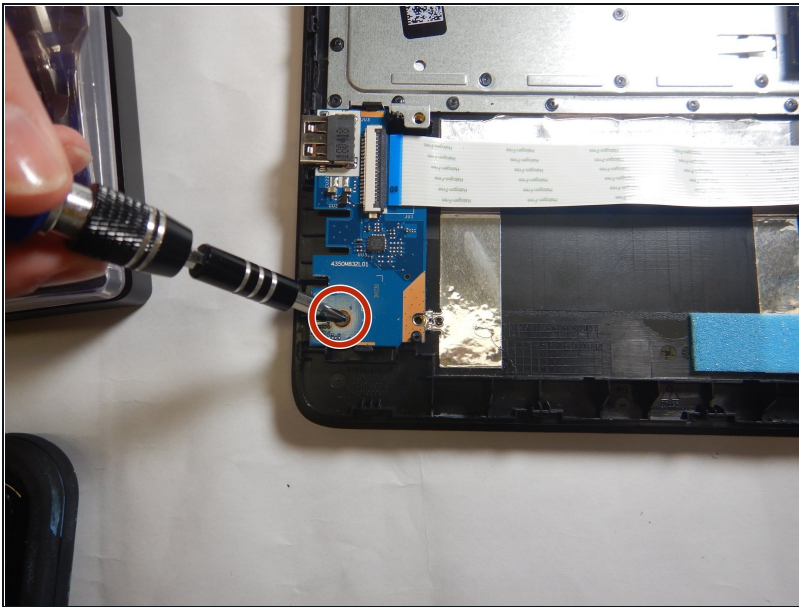
- Using the Phillips #1 screwdriver, remove the single 3.0 mm screw holding the small circuit board.
- Gently remove the small circuit board.

Step 15



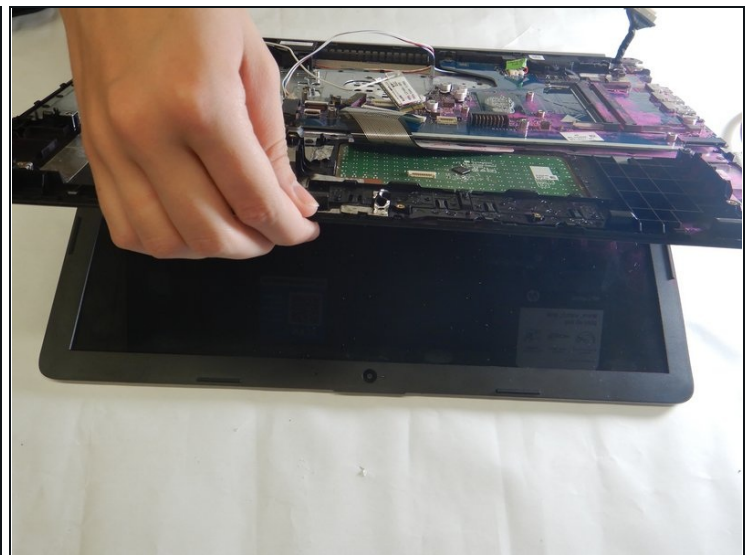
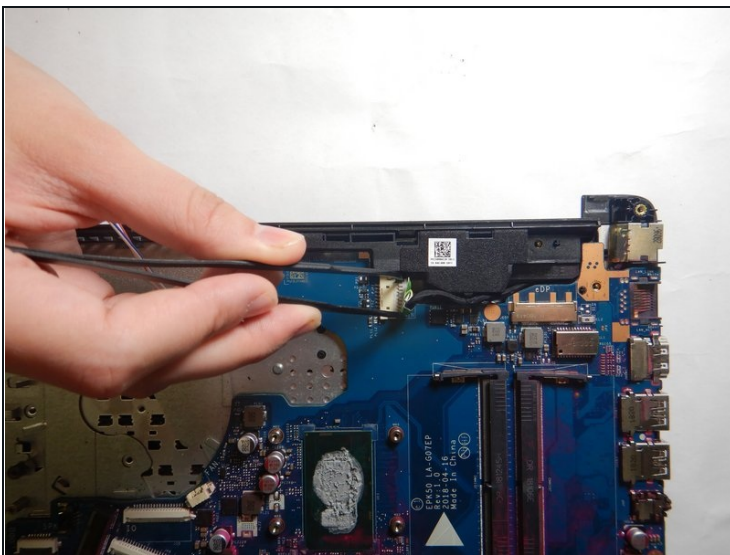
- Using the metal tweezers, disconnect the ribbon cables from the motherboard .
- First remove the USB board cable followed by the keyboard and touchpad cables.

Step 16



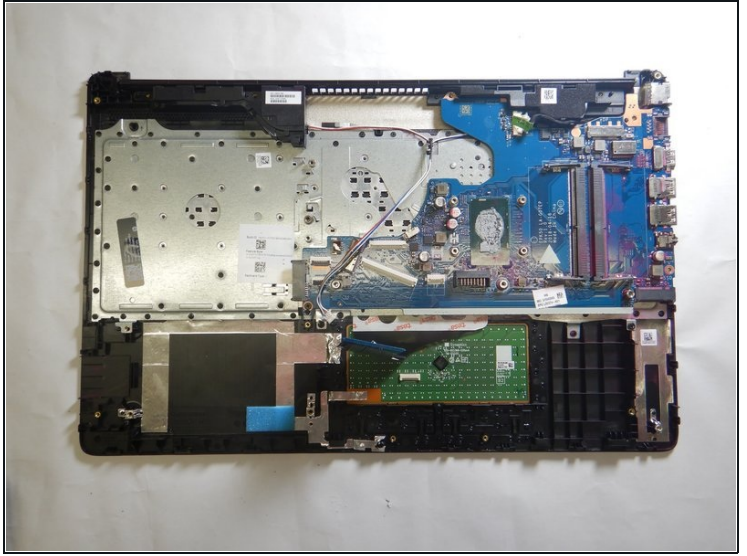
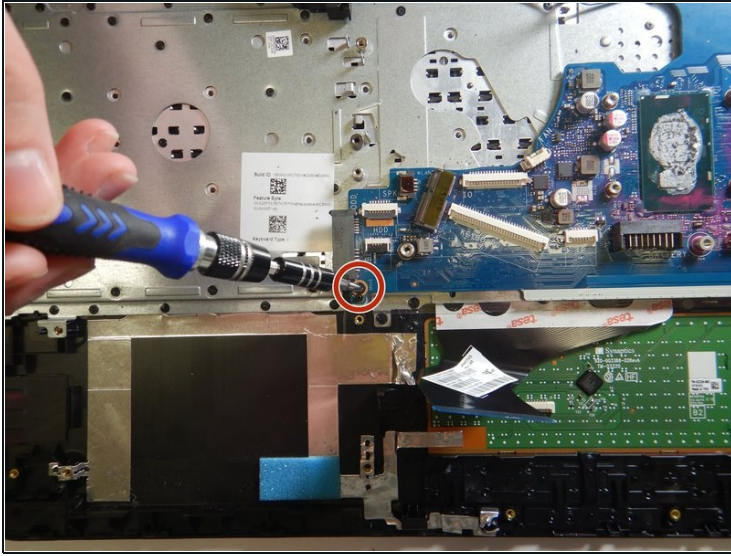
- Using the Phillips #1 screwdriver, remove the single 3.0 mm screw holding the USB card in place.
- Gently remove the USB card from the laptop.

Step 17



- Remove the speaker cable from the cable holder.
- Tilt the bottom of the laptop up 30 degrees to move the monitor holders up to allow access to the rest of the laptop, and then return the laptop to its original state.

Step 18



- Using the Phillips #1 Screwdriver, remove the 3 mm screw from the motherboard.
- Carefully remove the motherboard.

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