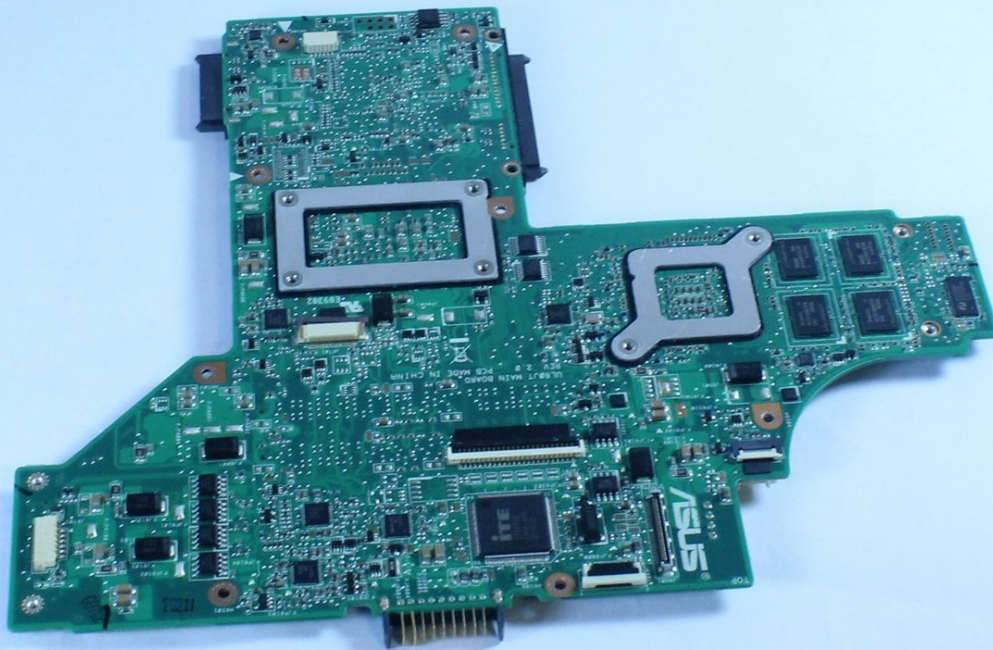




Asus UL80J Motherboard Replacement

The motherboard is the central hub of your...

Written By: John



INTRODUCTION

The motherboard is the central hub of your computer, where the processing takes place. If your motherboard is faulty, then it will definitely need to be replaced. This guide will show you how to replace your motherboard.



TOOLS:

[Plastic Cards](#) (1)
[Flashlight](#) (1)
[Phillips Screwdriver](#) (1)
[iFixit Opening Tool](#) (1)



PARTS:

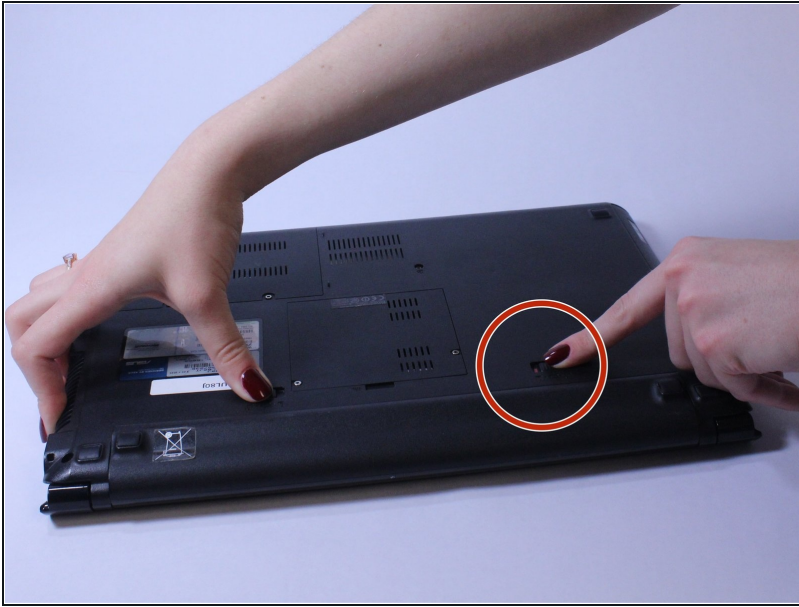
[Asus UL80J Motherboard](#) (1)

Step 1 — Battery



- Place laptop face down with battery facing up.

Step 2



- Slide unlock button to the right.

Step 3



- Slide the button marked with an arrow to the left. The battery should now unclick. Slide the battery away from the laptop to remove it.

Step 4 — Keyboard



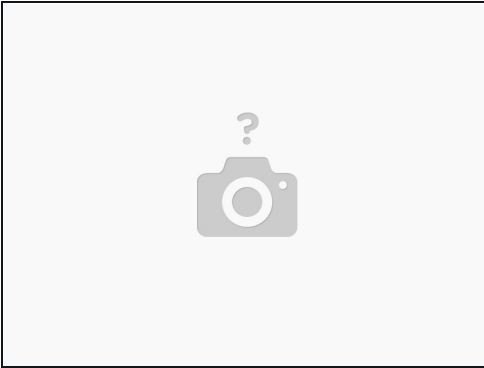
- Insert a plastic opening tool or a flat-head screwdriver between the laptop body and the keyboard.

Step 5



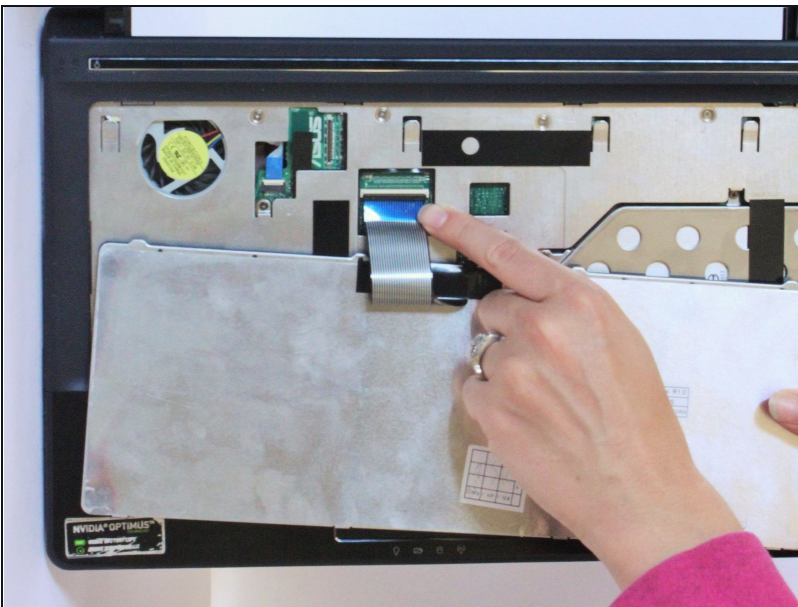
- Gently pry the keyboard up. This will allow you to unclip the keyboard.
 - Use an old [plastic card](#) or a similar flat object to prevent the keyboard from clipping back in while carefully working along the keyboard perimeter.
- ① Unclipping sounds are normal.

Step 6



- Keep unclipping the keyboard along the perimeter. Once the keyboard is unclipped, be careful and do not take it out right away, as there is still a ribbon that connects the keyboard with the rest of the computer located on the bottom.

Step 7



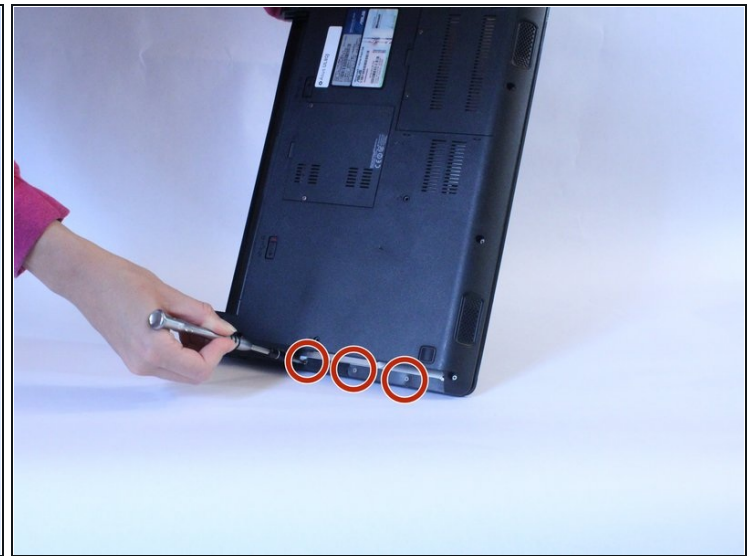
- Slowly lift the keyboard and use flash light if needed to locate the ribbon cable on the bottom. Lift the ZIF connector tab before pulling the ribbon cable out.
- Remove the tape from the ribbon cable if needed and remove the keyboard.

Step 8 — Motherboard



- Once the keyboard is removed, take out the nine 6 mm screws on the back side of the laptop.

Step 9



- Remove the optical drive (CD drive) from the laptop.
- Three, 3 mm screws will be underneath where the CD drive was. Remove them to be able to access the front cover.

Step 10



- Remove the five, 8 mm screws from the aluminum cover underneath where the keyboard was.
- Remove the remaining four, 5 mm screws.

⚠ In order to replace this you need to remove a screw that voids the warranty on your computer.

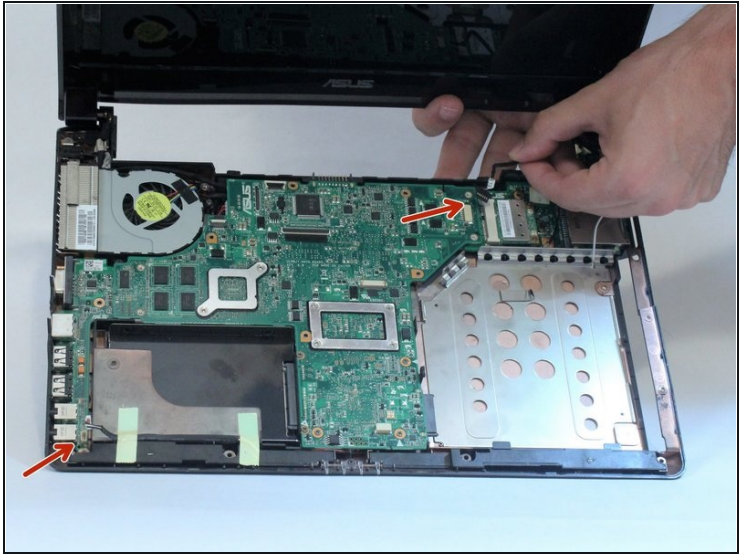
Step 11



- Using a plastic opening tool, gently pry open the front cover.

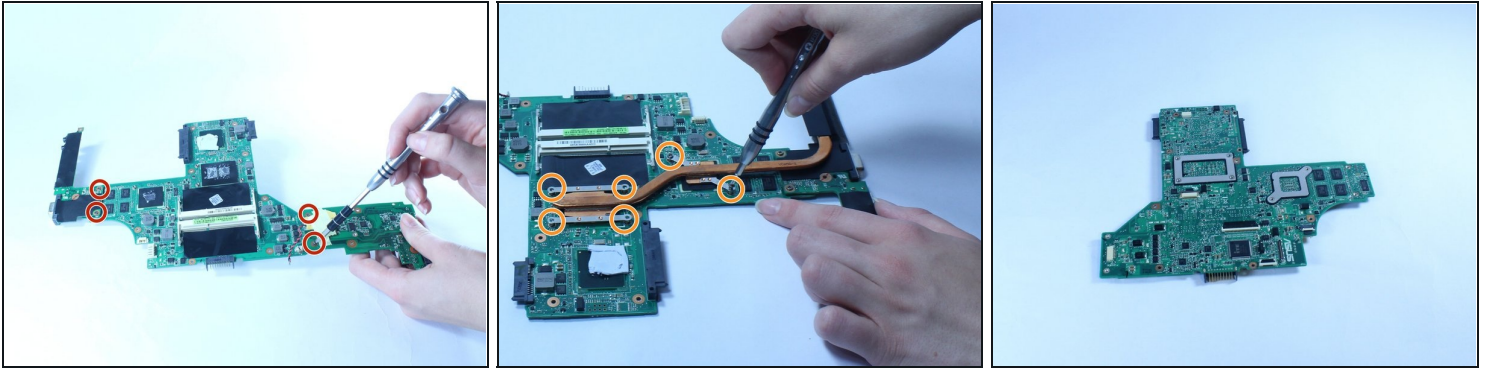
⚠ Be careful with the plastic opening tool, as you can break the cover in the thin sections.

Step 12



- After you remove the front cover, the motherboard should be exposed, along with the two port boards.
- Remove the seven, 3 mm screws holding the motherboard and ports into the frame of the laptop, as well as the two wire bundles indicated by red arrows.
- You can now lift the motherboard out of the frame while simultaneously disconnecting the wires on the underside.

Step 13



- Remove the four, 3 mm screws and disconnect the red and black wire from to the motherboard.
- Unscrew the six, 5 mm screws to disconnect the copper heat pipe.
- Once these are removed, the motherboard can be replaced.

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