



ASUS Vivobook Q301LA-BSI5T17 Motherboard Replacement

This guide will show you how to replace the motherboard

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INTRODUCTION

The motherboard acts like a hub for all of the components in the laptop. Sometimes a complete replacement of the motherboard is necessary. For example, liquid damage by having a drink spilled on the keyboard may require the motherboard to be replaced for optimal performance.

Fortunately, it is relatively easy to replace the motherboard since no advance tools or equipment is necessary.

Please keep in mind that if only a specific component is damaged, then it is recommended to only replace said component for budgeting reasons.

TOOLS:

- [JIS #0 Screwdriver](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [Spudger](#) (1)

Step 1 — Battery



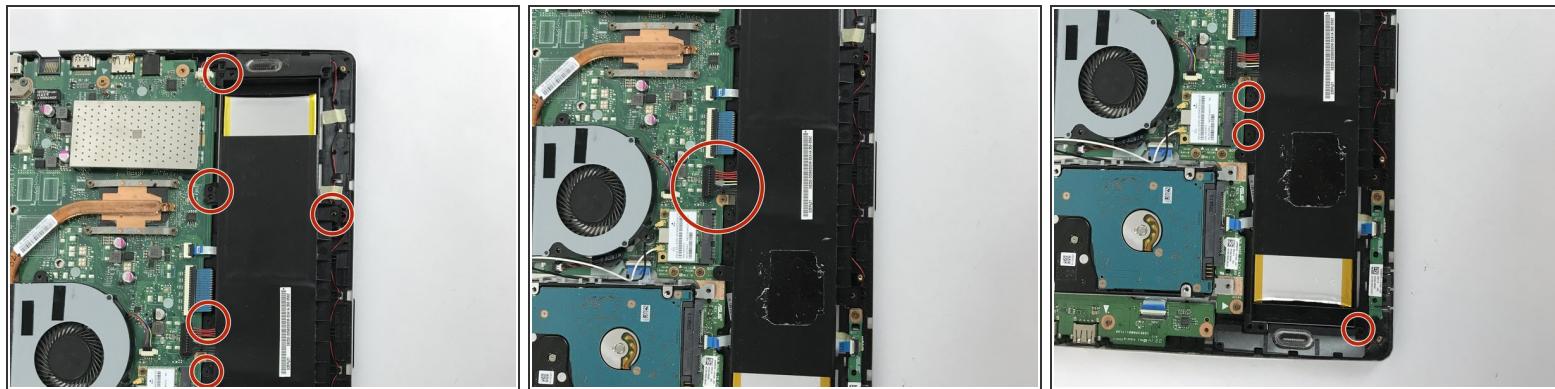
- Unscrew the (10) screws on the bottom of the computer chassis using the JIS #0 screwdriver.

Step 2



- Slightly lift the lower case and push it toward the rear of the computer to free the mounting tabs.

Step 3



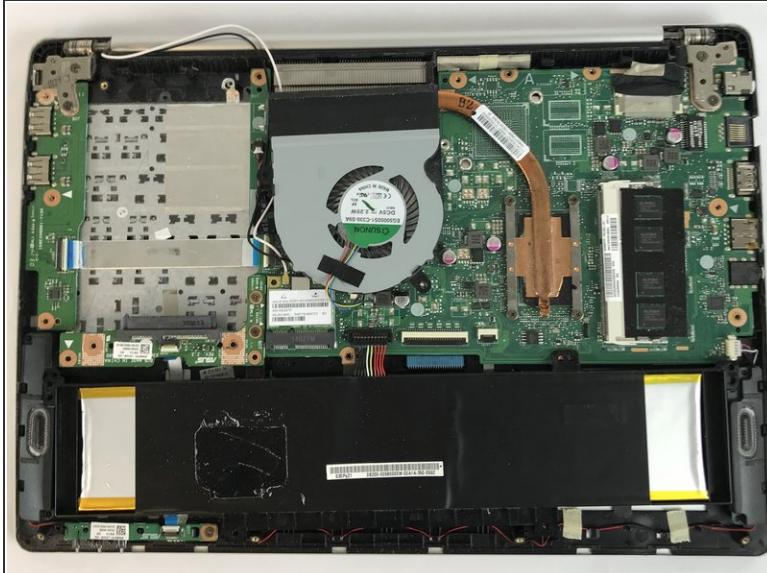
- Remove the (6) six screws attaching the battery to the frame using the JIS #0 screwdriver.
- Use the black plastic spudger to remove the battery from the device.

Step 4



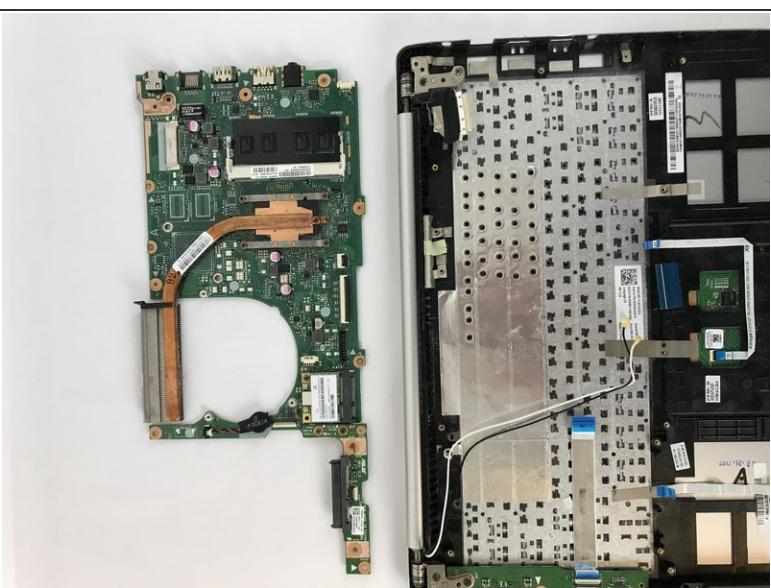
- Gently take the battery out of the laptop, making sure that all wires connecting to it are disconnected.

Step 5 — Motherboard



- When removing the cooling fan, carefully unplug the cable that is connected to the motherboard.
- Once you have carefully unplugged the cable, the cooling fan should just come off with ease.

Step 6



- Carefully remove the motherboard.
- You can now replace it with a new motherboard or perform any necessary modifications to it.

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