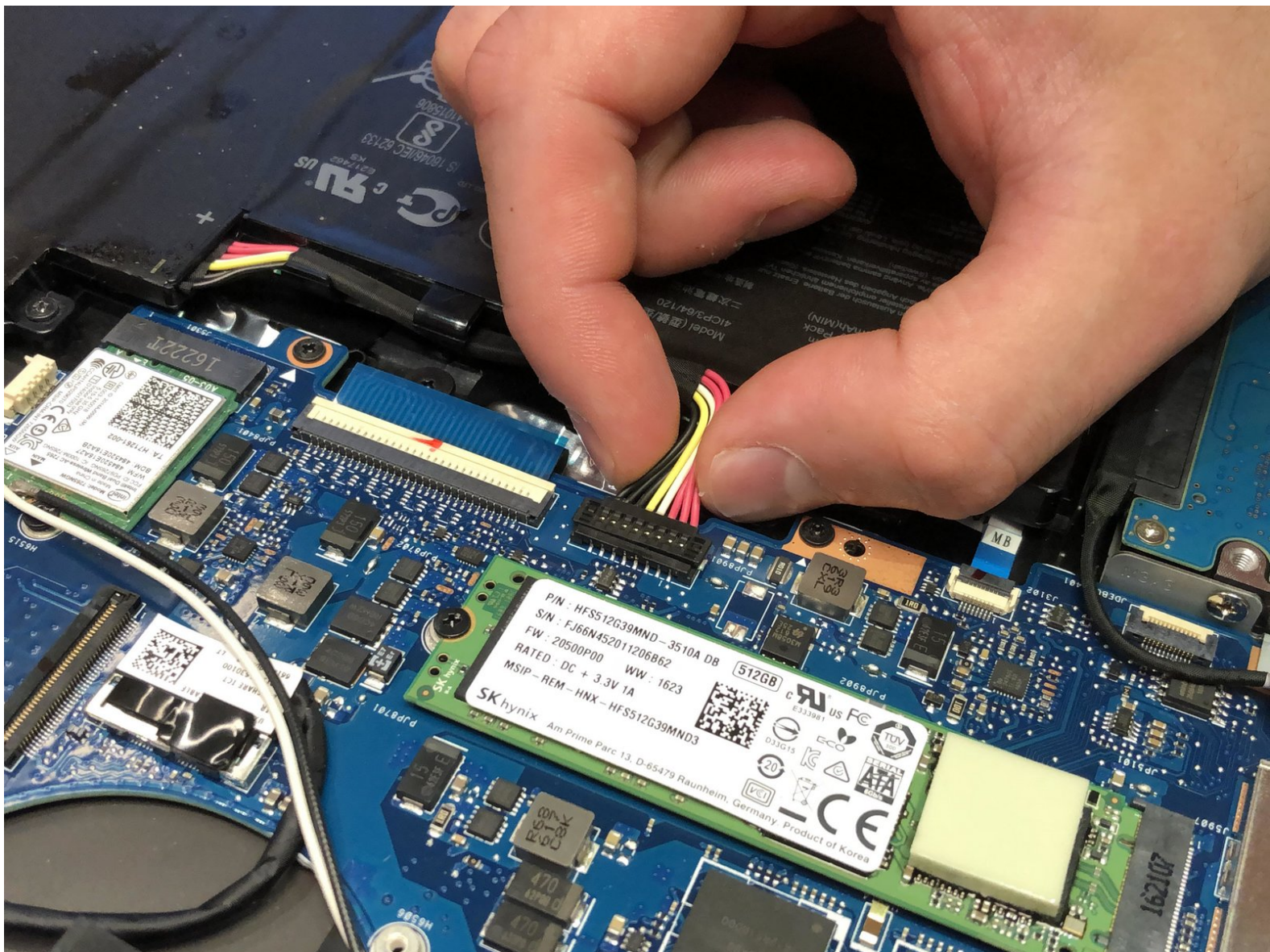




Asus Q534U Motherboard Replacement

This guide will show the step needed to successfully remove the motherboard on a ASUS Q534U laptop.

Written By: Jacob Pauker



INTRODUCTION

This guide explains the required steps and tools needed to remove the motherboard of the ASUS Q534U laptop. The motherboard is the main circuit board of a computer which allows all of the computer's components to work together. If the motherboard is not working properly, then the computer will typically give you a black screen and not operate at all. In this case, the motherboard needs to be replaced. Removal of the motherboard is the first step in replacing a defective motherboard.

Read all steps ahead of time so you know what to expect. Before removing the motherboard, you should backup all your important information, then shutdown Windows and disconnect the power cord before proceeding.



TOOLS:

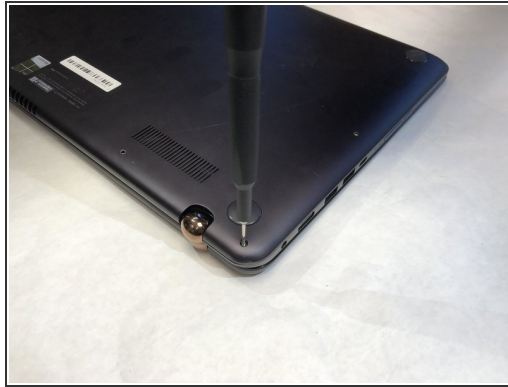
- [iFixit Opening Tool](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [ESD-safe pry tool](#) (1)



PARTS:

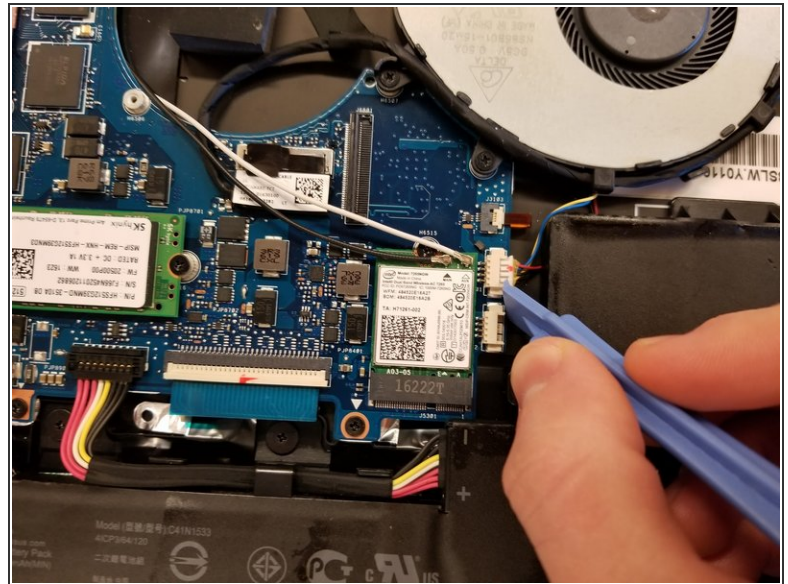
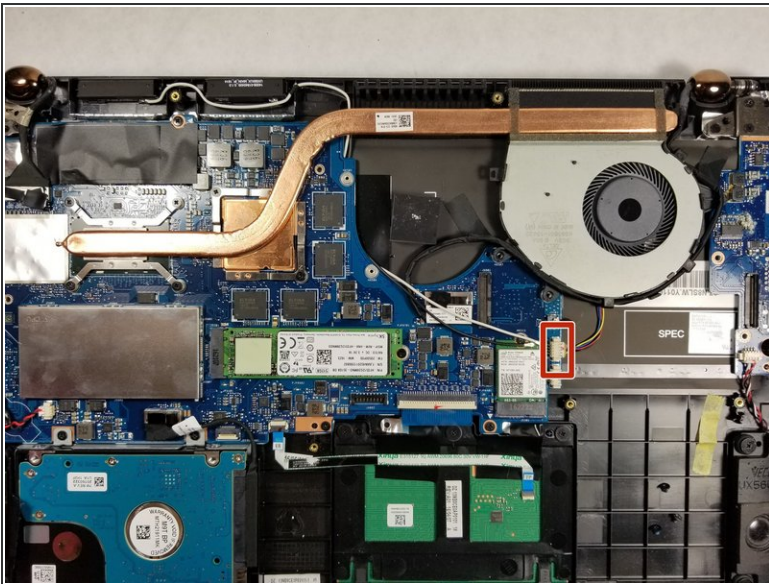
- [ASUS Q543U Back Case](#) (1)

Step 1 — Back Case



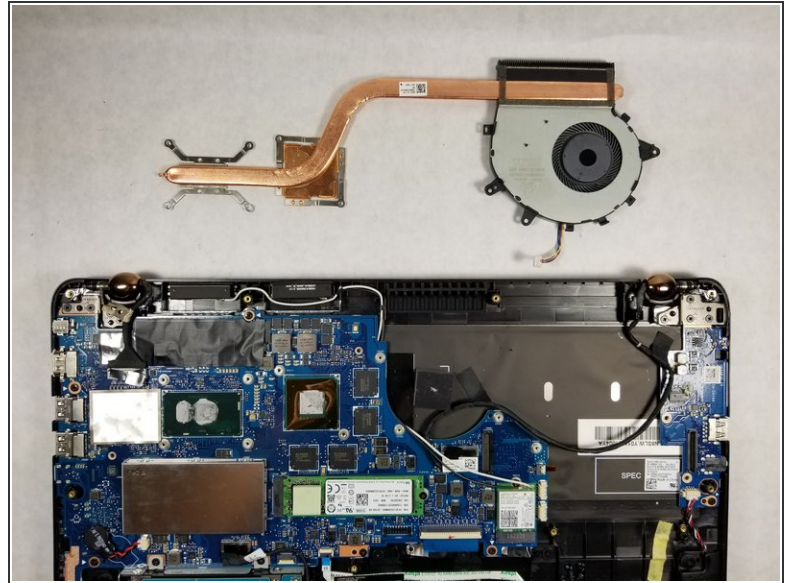
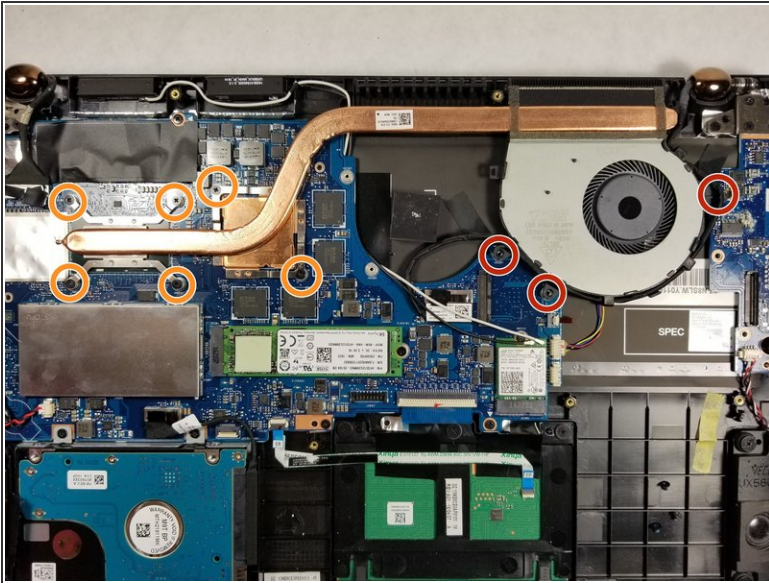
- Remove ten screws with the T5 driver.
- Use the opening tool to carefully pry off the back case.

Step 2 — CPU Fan/Heat Sink



- Using the iFixit opening tool, gently pry the CPU fan connector out of the socket.

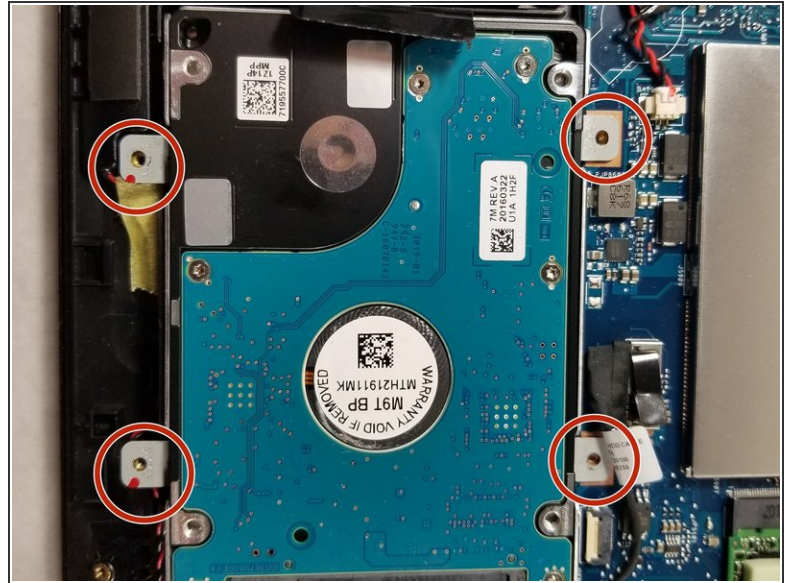
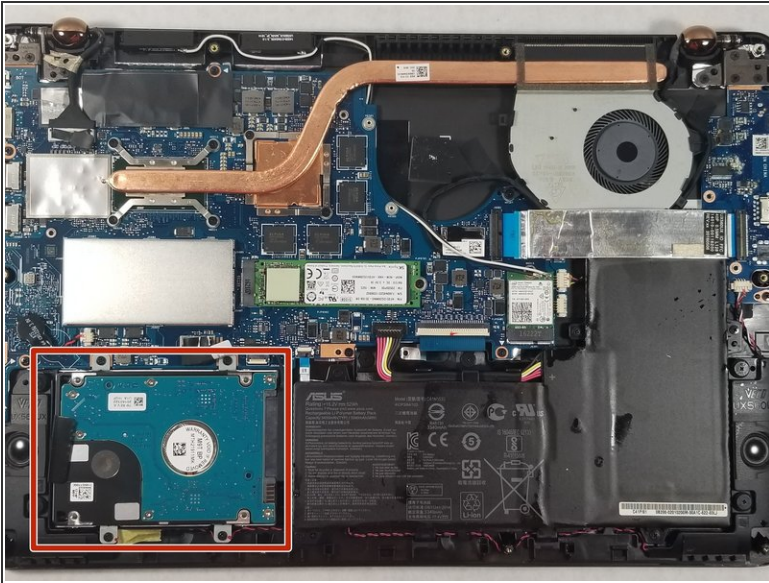
Step 3



- Move the black cable located around the CPU fan out of the holder.
- Remove the following 9 screws:
 - Three Phillips screws
 - Six Phillips screws
- ⓘ Make sure not to mix up both types of screws.
- Gently pull vertically on the CPU fan/ heat sink assembly until it is free.

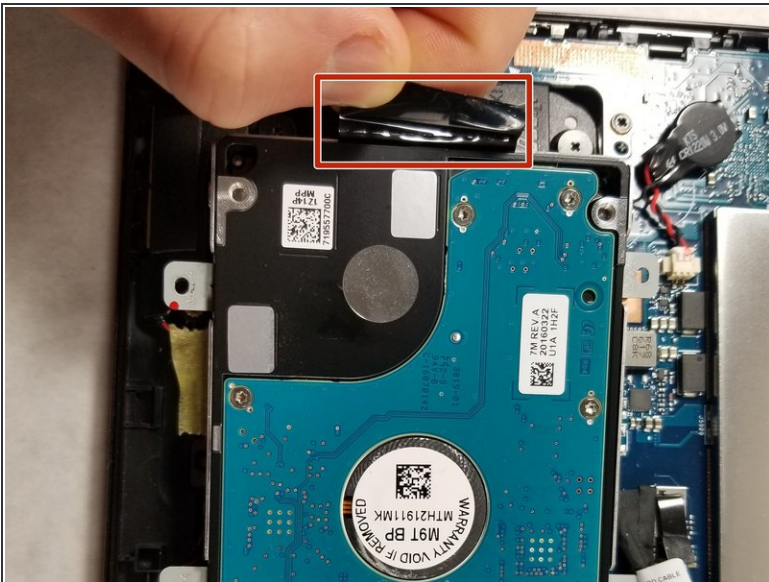
⚠ Before placing a new CPU fan/heat sink assembly, the CPU and GPU surfaces must be cleaned off and thermal compound must be reapplied.

Step 4 — Hard Drive



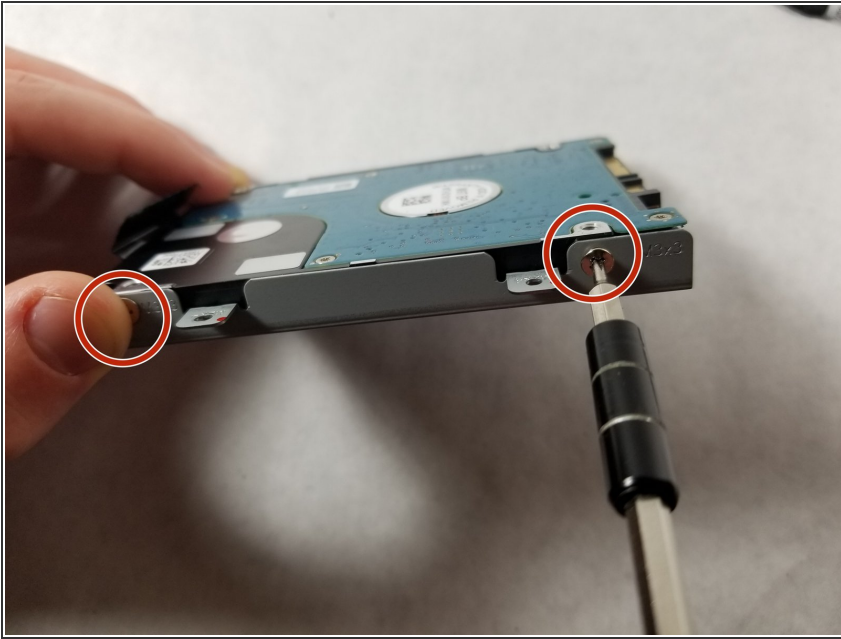
- Remove four screws with the Phillips #00 screwdriver.

Step 5



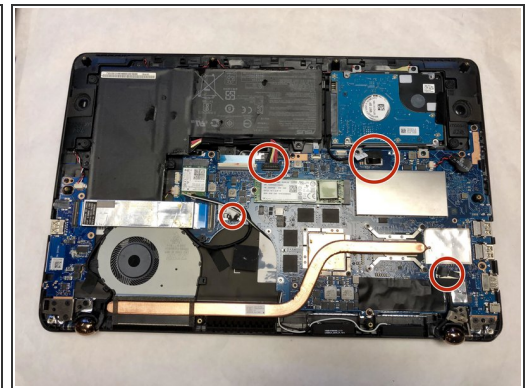
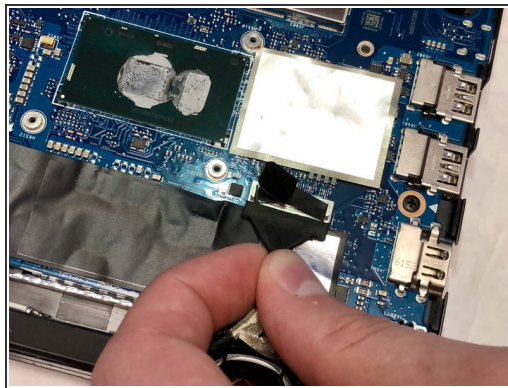
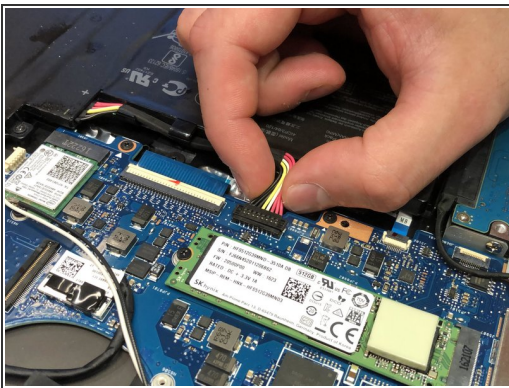
- Gently lift the hard disk out using the black tab.

Step 6



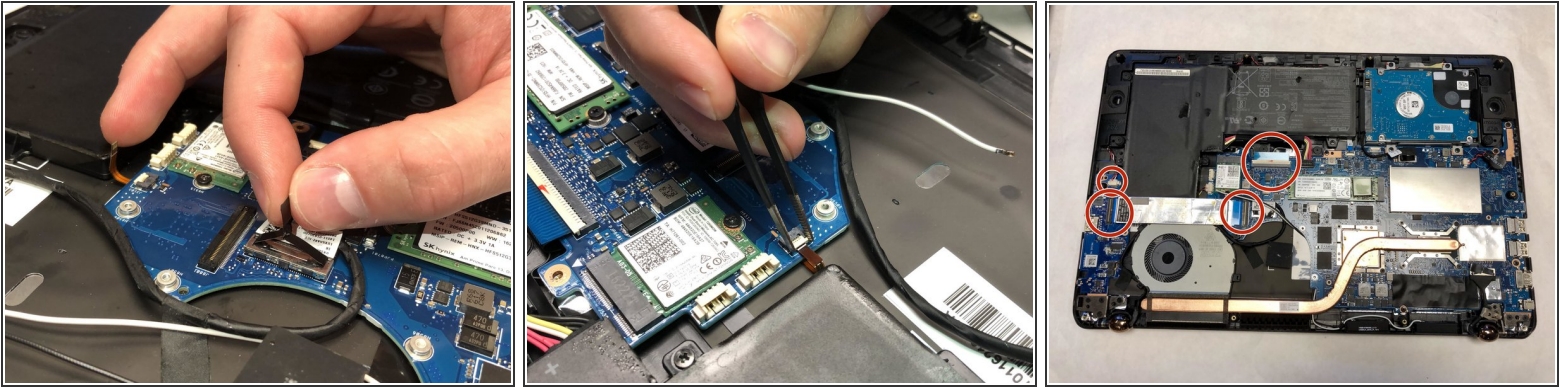
- Using a Phillips #00 screwdriver remove the four screws of the metal casing
- Remove the hard disk from the metal casing

Step 7 — Motherboard



- Disconnect the four marked cables connectors at the sockets.

Step 8



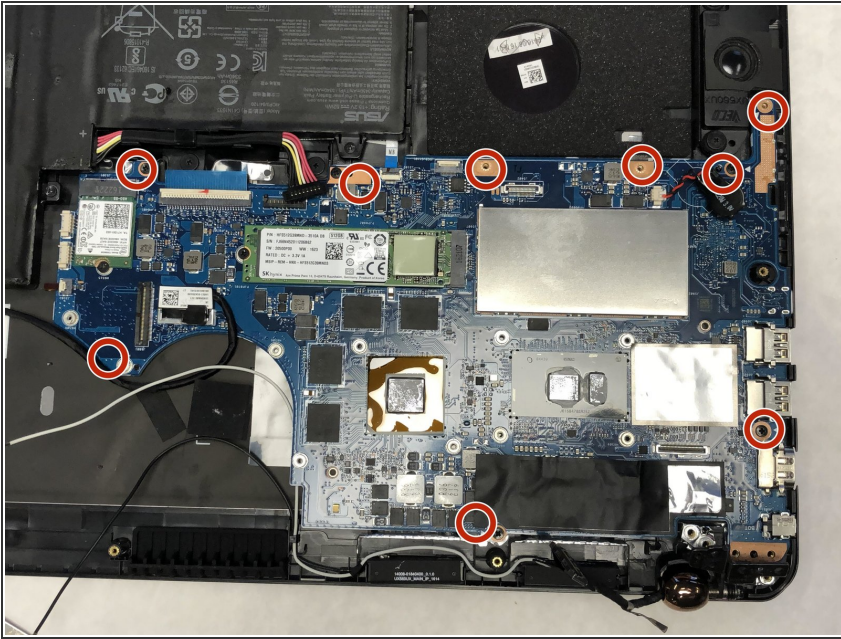
- Lift the connecting ports up prior to removing the connectors.

Step 9



- Remove the screws holding the hinges down on both sides of the device.
- A pry tool might be needed to lift the hinge.

Step 10



- Remove nine, 3.2 mm screws to fully release motherboard.

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