



Asus U56E-BBL6 Motherboard Replacement

How to replace a Asus U56E-BBL6 motherboard.

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INTRODUCTION

This guide will take you step by step in disassembling your laptop to access your motherboard. The process is quite involved as you will need to remove all other components surrounding it.

TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)

Step 1 — Battery



⚠ Make sure you unplugged the laptop before you begin the replacement process.

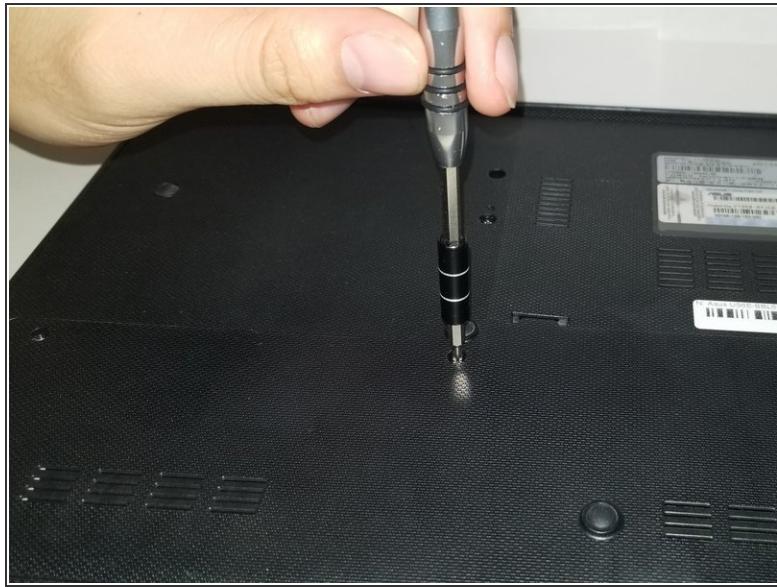
- Locate the battery locking tabs on the upper right and left corner.
- Press the tabs in towards each other.

Step 2



- Pull the battery outwards to remove it.

Step 3 — Back Panel



- Using a Phillips #00 screwdriver, remove the screws.

Step 4



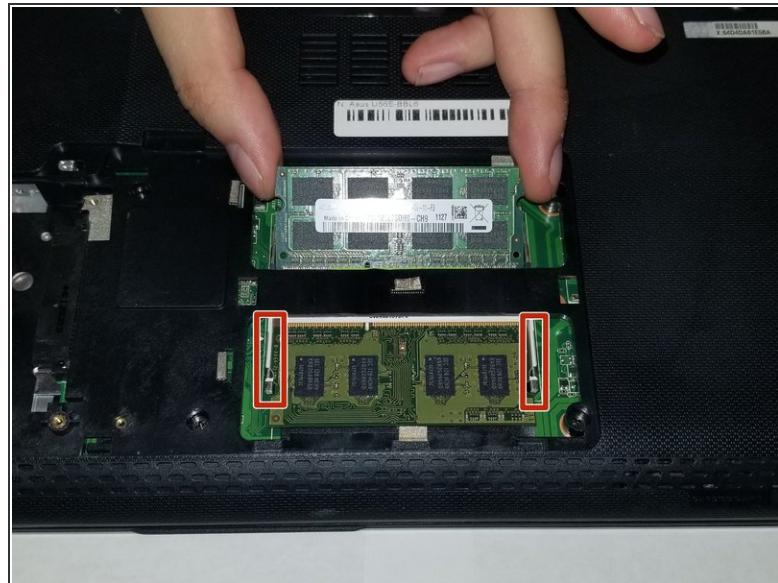
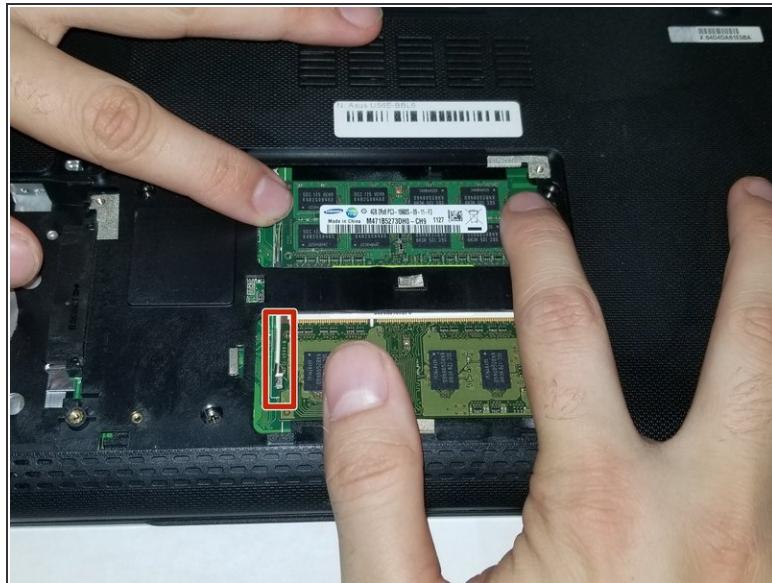
- Lift backplate and remove from the case.

Step 5 — RAM



- Once inside the panel, locate your RAM sticks.

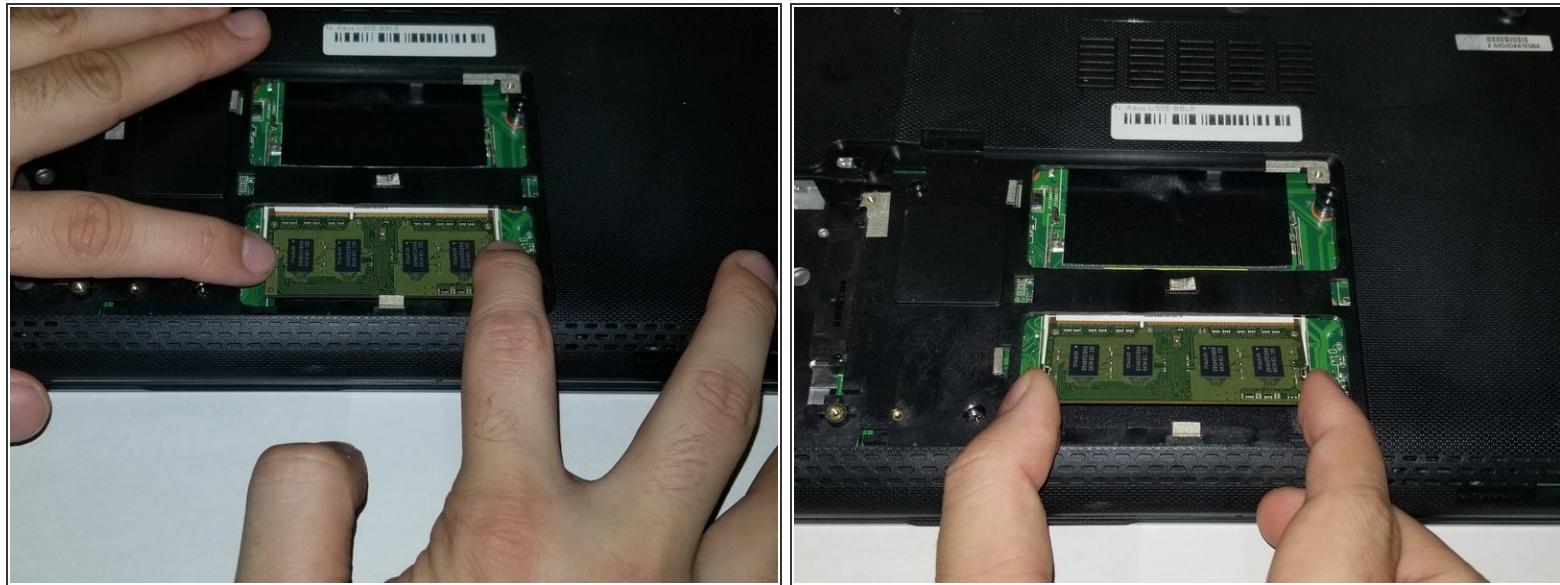
Step 6



(i) This device is embedded with two RAM sticks.

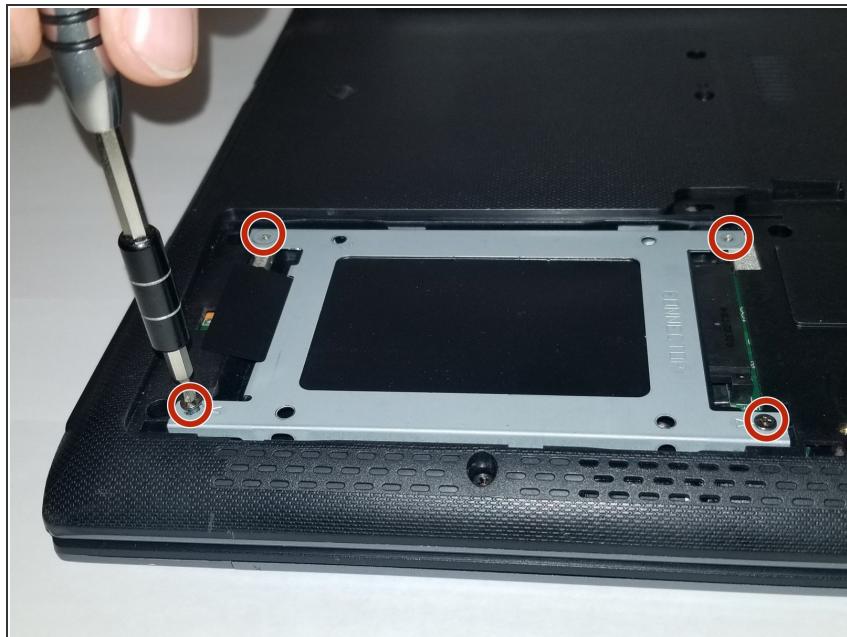
- Push the metal brackets carefully to release and remove the RAM stick .

Step 7



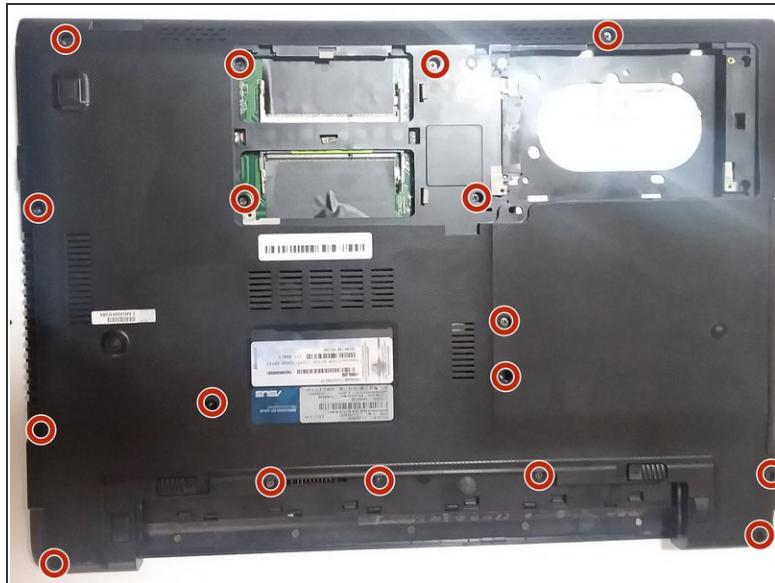
- Repeat the previous step for removing the other RAM stick.

Step 8 — Keyboard



- Using a Phillips #00, remove the four screws.

Step 9



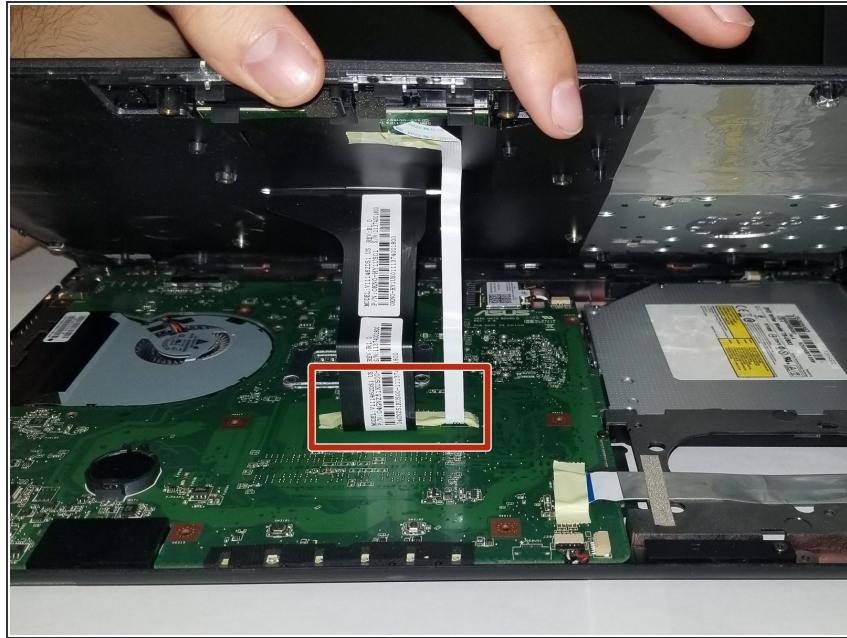
- Using a Phillips #00 screwdriver, remove the screws.

Step 10



- Use a plastic opening tool around the entire edge.
- Separate the case from the keyboard.

Step 11

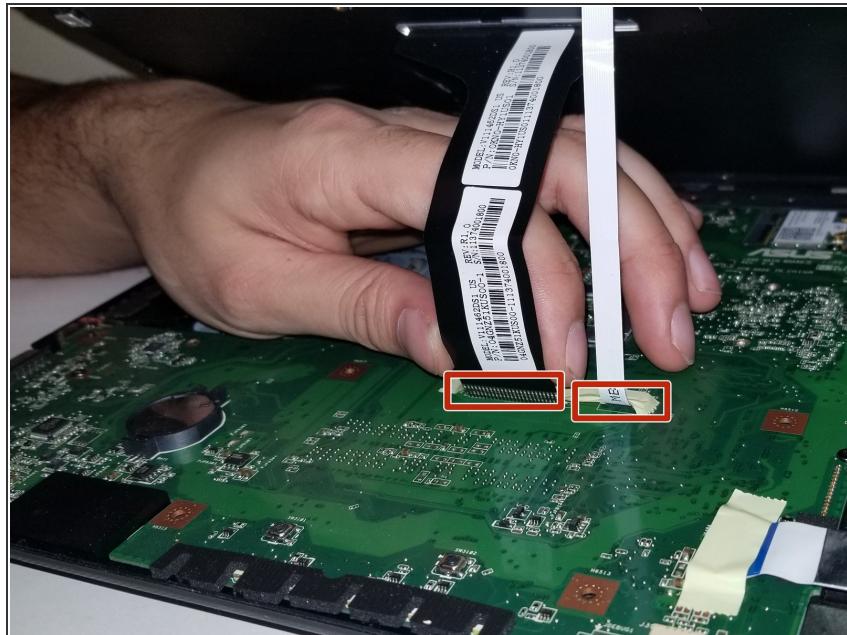


ⓘ Ensure the laptop is face up for this step.

- Gently lift the keyboard from the base of the laptop.

⚠ Be careful of the ribbon cables connecting the keyboard.

Step 12



- Gently tug the ribbon cables free from their slots.

Step 13



- Using both hands, pull the keyboard back and out, fully separating the keyboard from the laptop.

Step 14 — Optical Drive



- Using a plastic opening tool, separate the optical drive from the laptop frame.

 Be careful to leverage the plastic opening tool against the frame and not the motherboard as this may cause damage.

Step 15



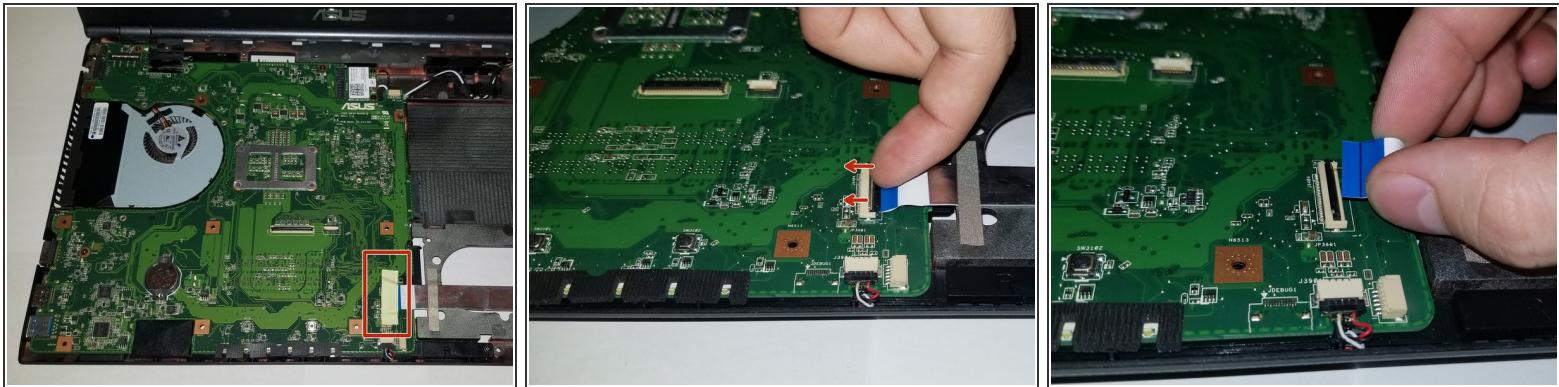
- Remove the optical drive by sliding it out from the case.

Step 16 — Motherboard



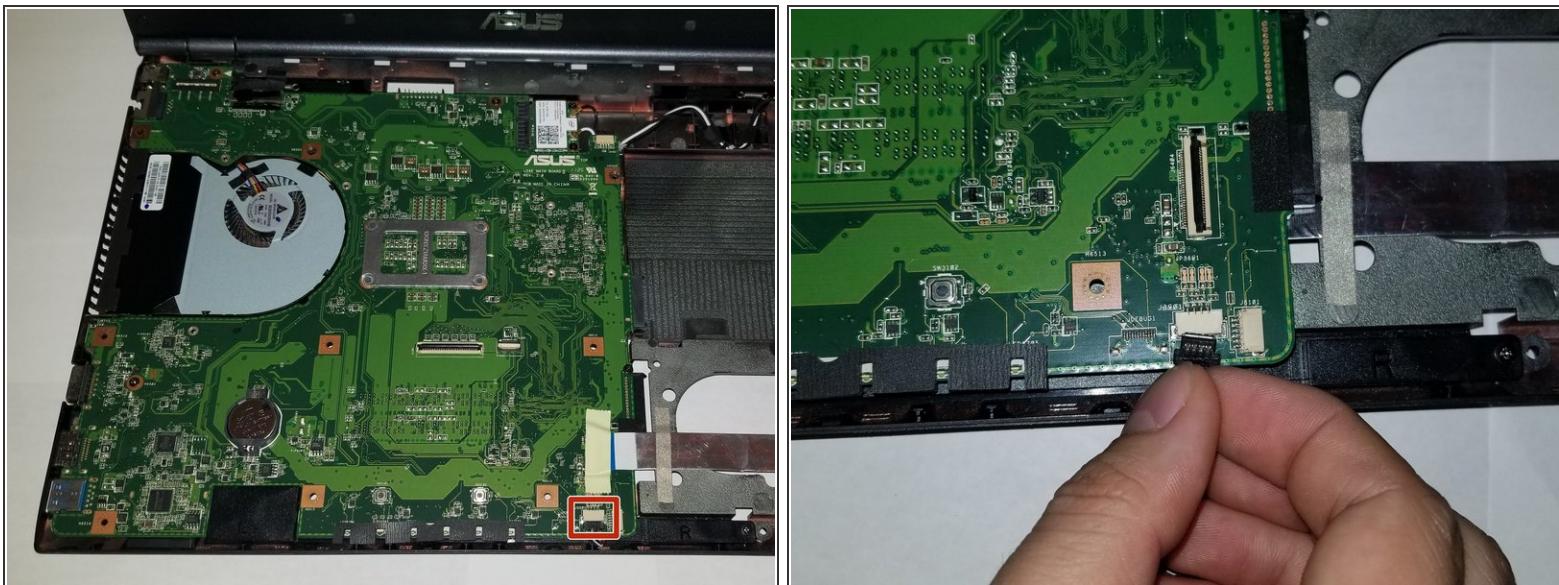
- Using a Phillips #00 screwdriver, remove the three screws.

Step 17



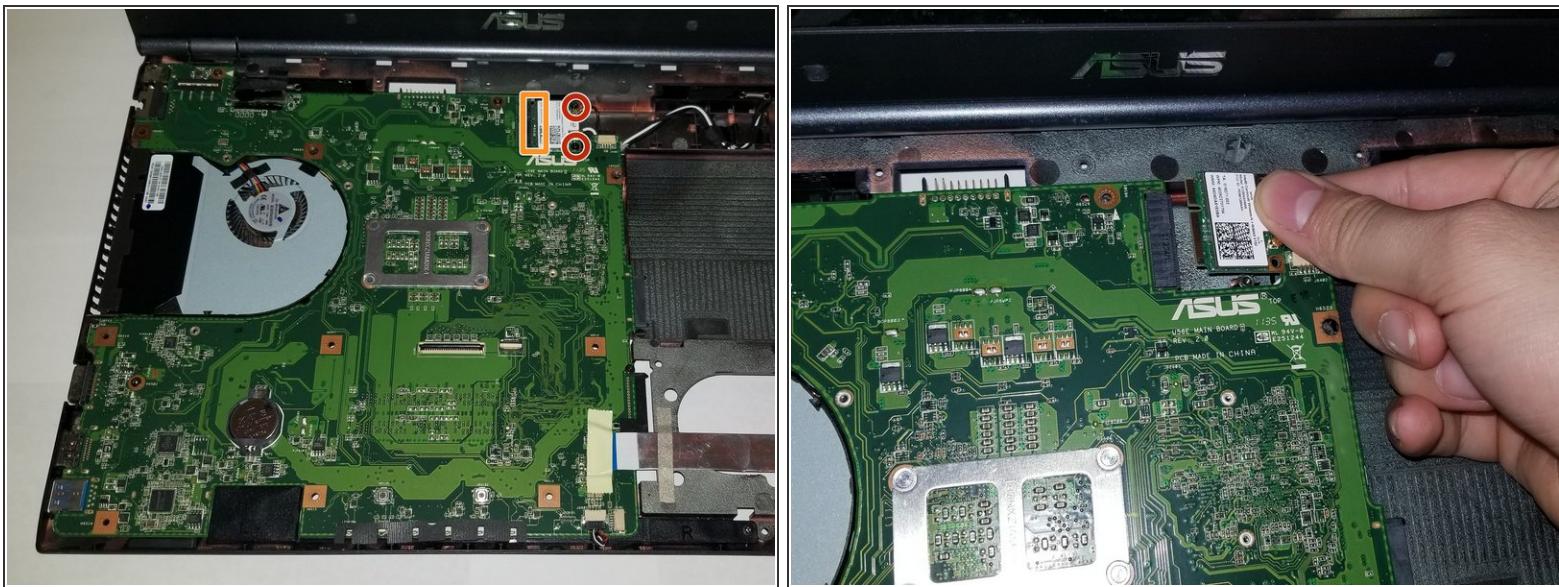
- Lift up the ribbon cable connector on the bottom right corner.
- Gently pry the cable away from the connection.

Step 18



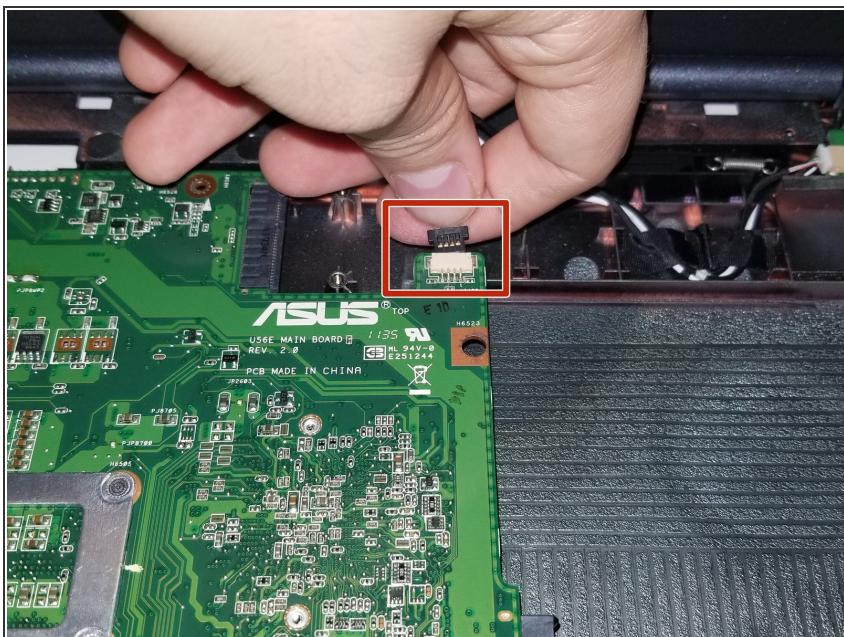
- Remove the 4 pronged connection on the bottom right corner of the motherboard.

Step 19



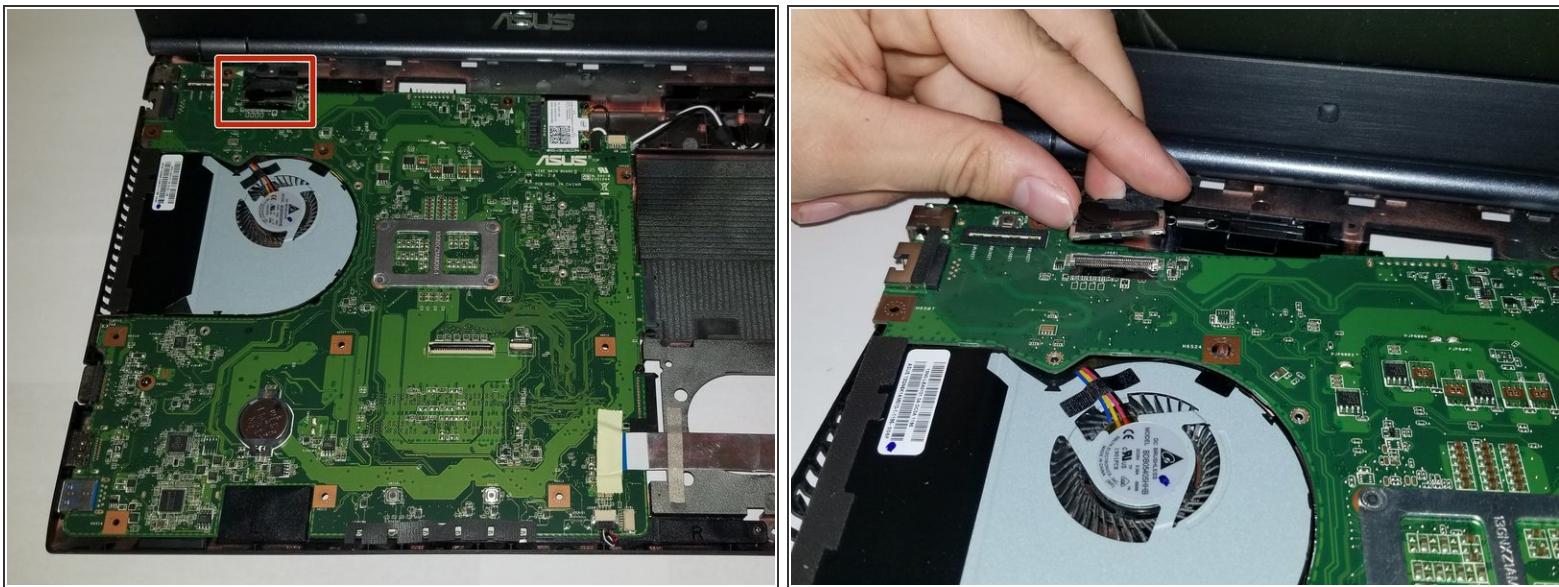
- Using a Phillips #0 screwdriver, remove the two screws.
- Holding the board firmly with two fingers, pull outward, disconnecting it from the contacts.

Step 20



- Repeat the previous step and remove the two wired connection next to the card.

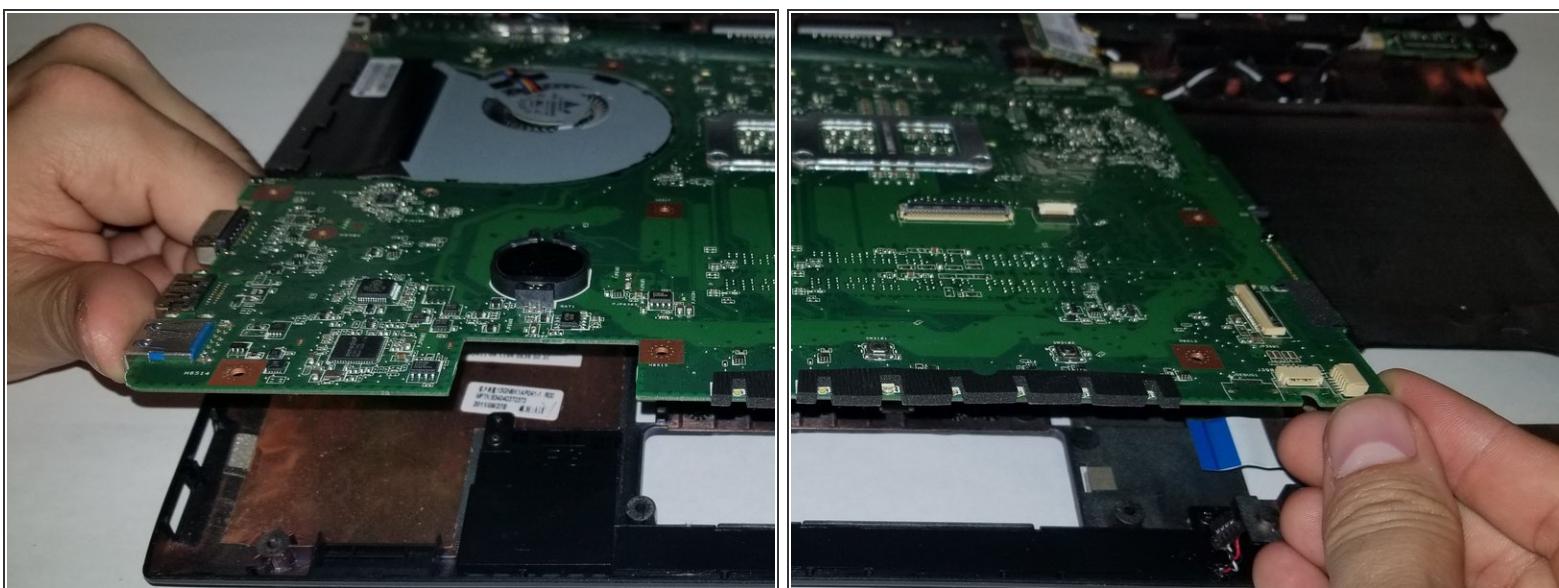
Step 21



- Remove the cable at the top left of the motherboard.

(i) This cable is held in by a magnetic connection. Be sure to lift up and away when disconnecting.

Step 22



- Using both hands, lift the motherboard up and out from the case

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