



# ASUS X502CA Wi-Fi Card Replacement

How to replace a Asus X502CA-HPD1104I-P wi-fi card.

Written By: Christian Spencer



## INTRODUCTION

Replacing the Wi-Fi card itself is quite simple, however, they did not make it easy to get to. To remove the Wi-Fi card you will need to remove most of the internal parts of the computer. All prerequisite guides are listed and shown above.

### TOOLS:

- [Tweezers](#) (1)
- [iFixit Opening Tools](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Phillips #0 Screwdriver](#) (1)

### PARTS:

- [Asus UL80J UL80V Wifi Wireless Card](#) (1)

## Step 1 — Palm Rest with Keyboard and Touch Pad



- Use the Phillips #00 screwdriver to remove the seven 90mm screws.
- Use the Phillips #00 screwdriver to remove the four 50mm screws.

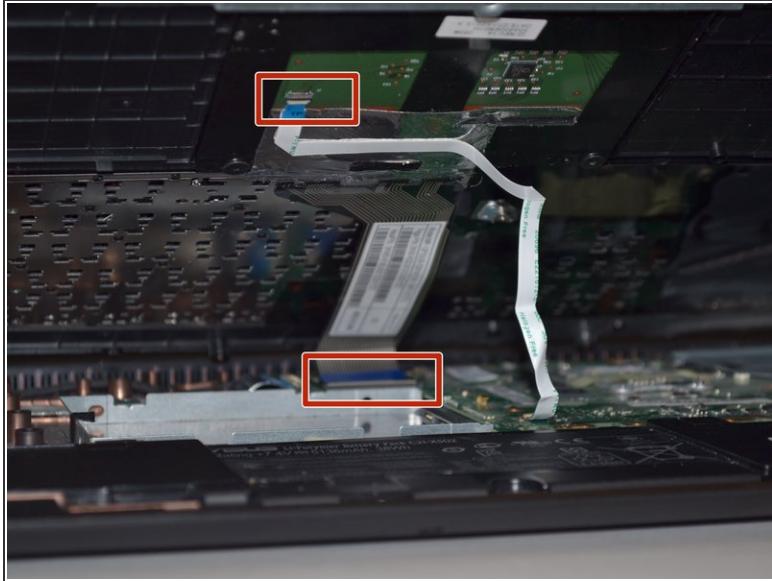
## Step 2



- Next, use the plastic opening tool to carefully pop off the keyboard cover panel.

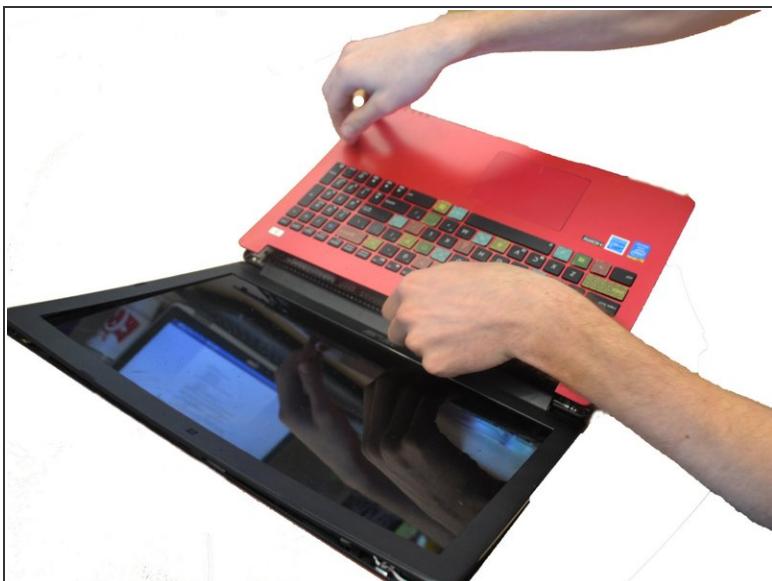
 Be cautious when pulling off the cover because there are cables you will have to disconnect before completely removing the panel.

## Step 3



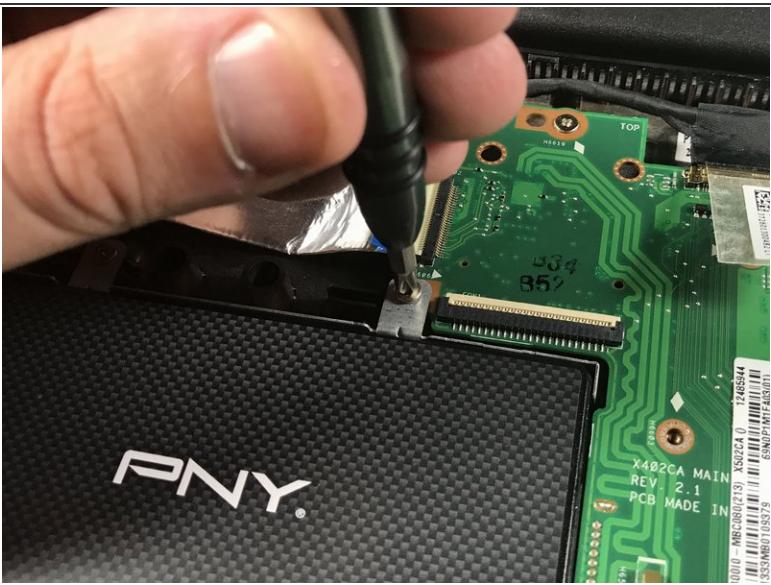
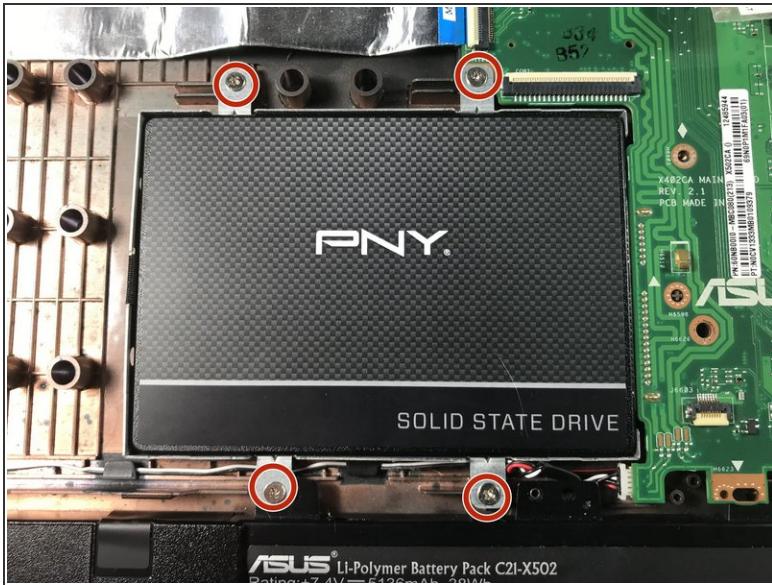
- Lift palm rest and unplug keyboard cable and touchpad cable using tweezers. After these two cables have been unplugged you can remove the keyboard cover panel.

## Step 4



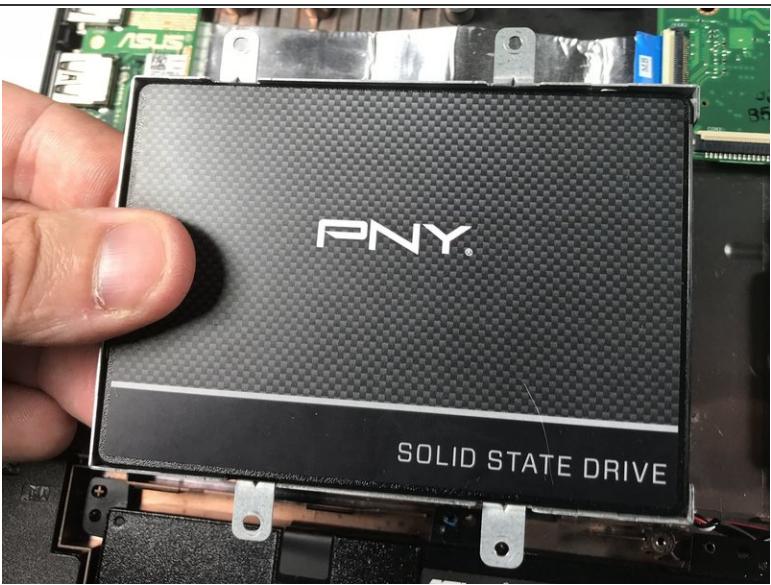
- Lift Palm Rest away.
- Replace with new palm rest.

## Step 5 — Hard Drive



- Remove the four 5mm screws that attach the hard drive bracket using the Phillips #0 screwdriver.

## Step 6



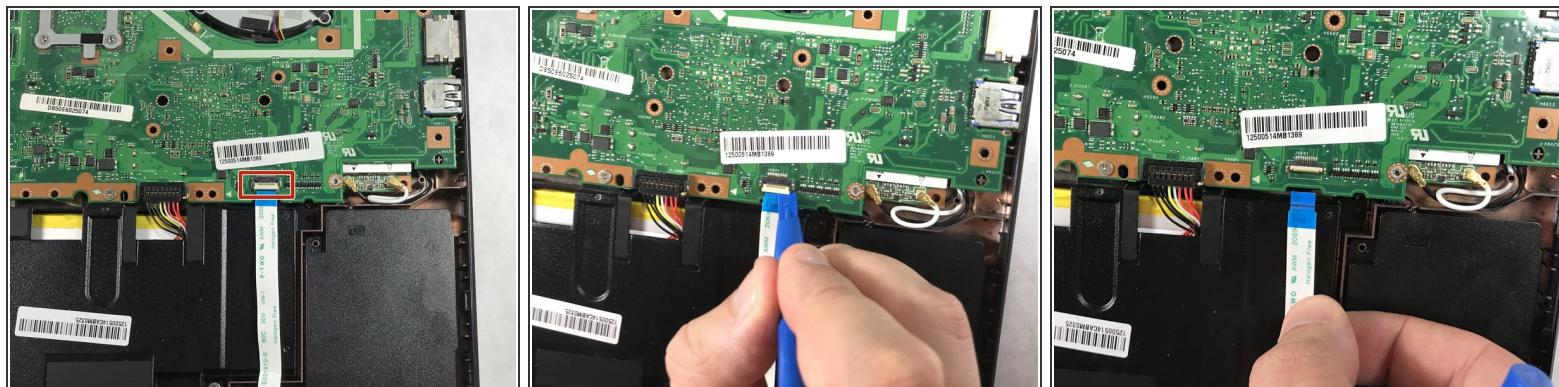
- Lift the hard drive and attached bracket up and out.

## Step 7



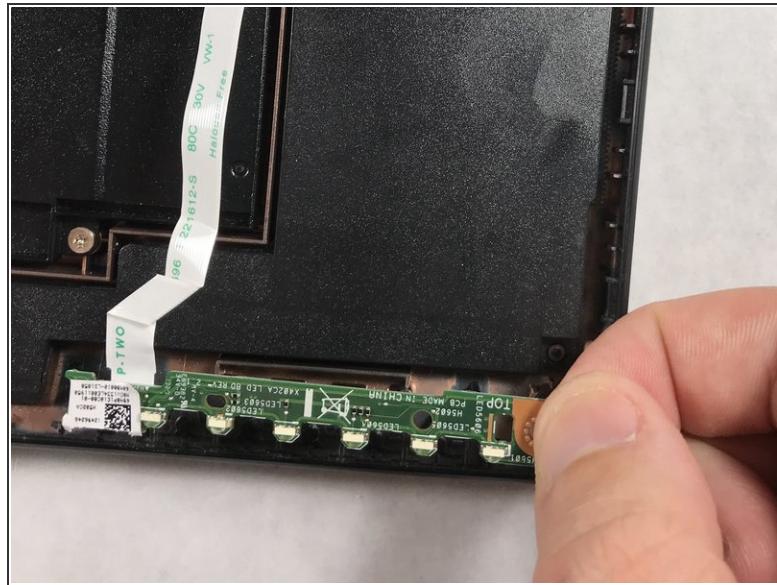
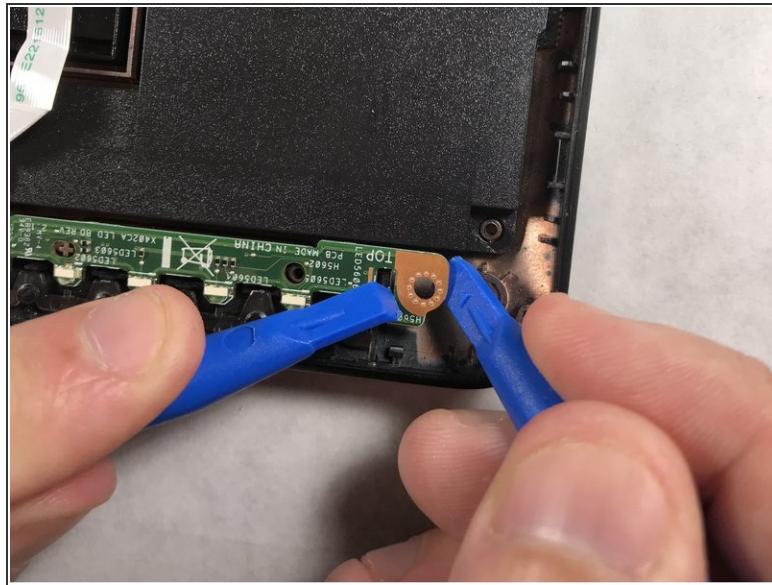
- Remove the four 5mm Phillips #0 screws attaching the bracket to the hard drive.
  - There are 2 screws on each side.

## Step 8 — LED Board



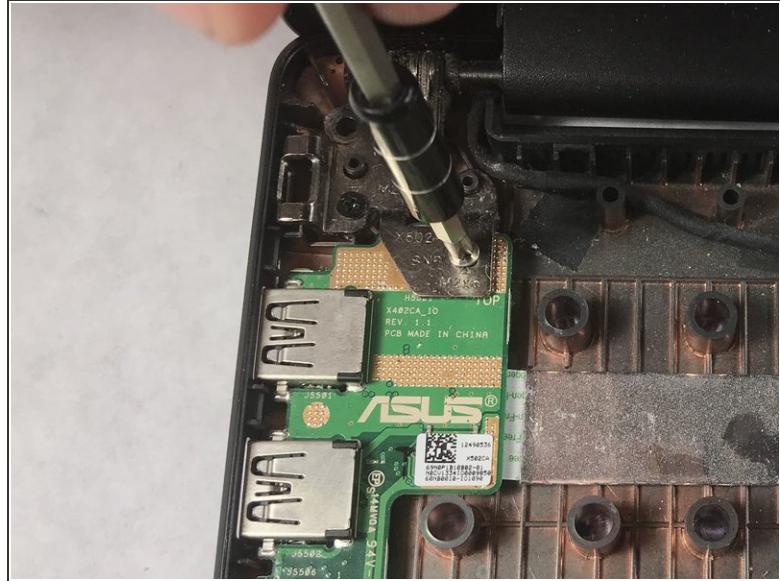
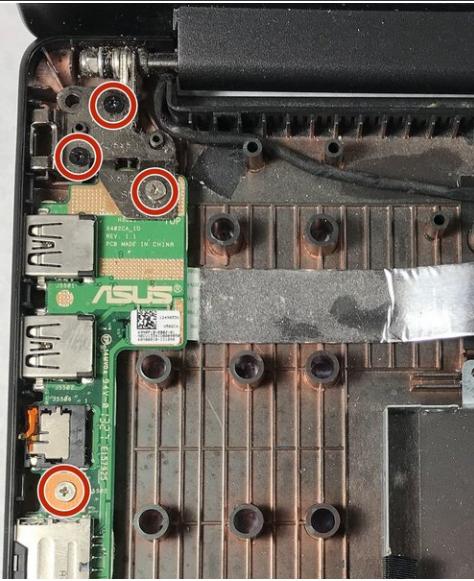
- Use the plastic opening tool to flip up the small clamp and pull out the ribbon cable.

## Step 9



- Use 1 or 2 plastic opening tools to push down the small black plastic clips.
- Pull the board up and out.

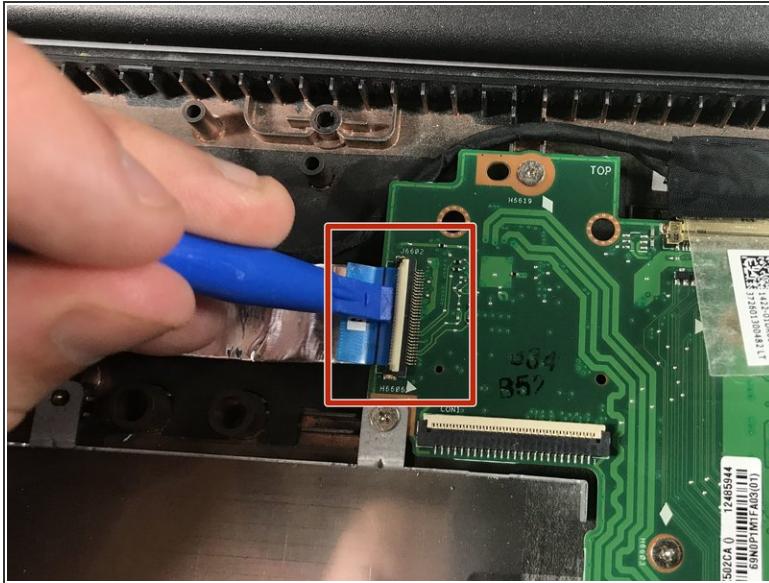
## Step 10 — Left I/O Board



- Locate the I/O board on the left of the computer. Using the Phillips #0 screwdriver, unscrew the three 5mm screws to unhinge the screen, which will free the board allowing it to be removed and replaced.

**⚠** Be careful with handling your computer while one side is unhinged; mishandling or over pressuring the other hinge could cause damage to it or the screen.

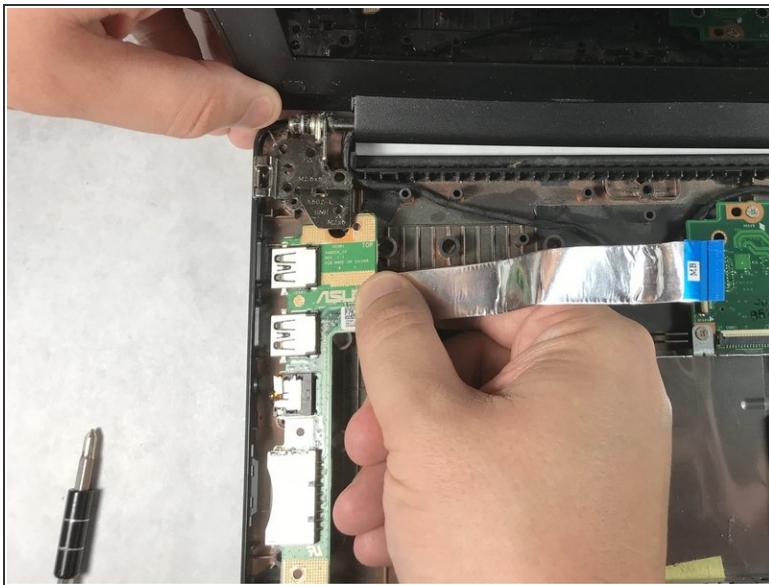
## Step 11



- Unplug the power strip connecting to the motherboard with your fingers or plastic opening tool.

 Make sure the power strip is disconnected before pulling the board out.

## Step 12



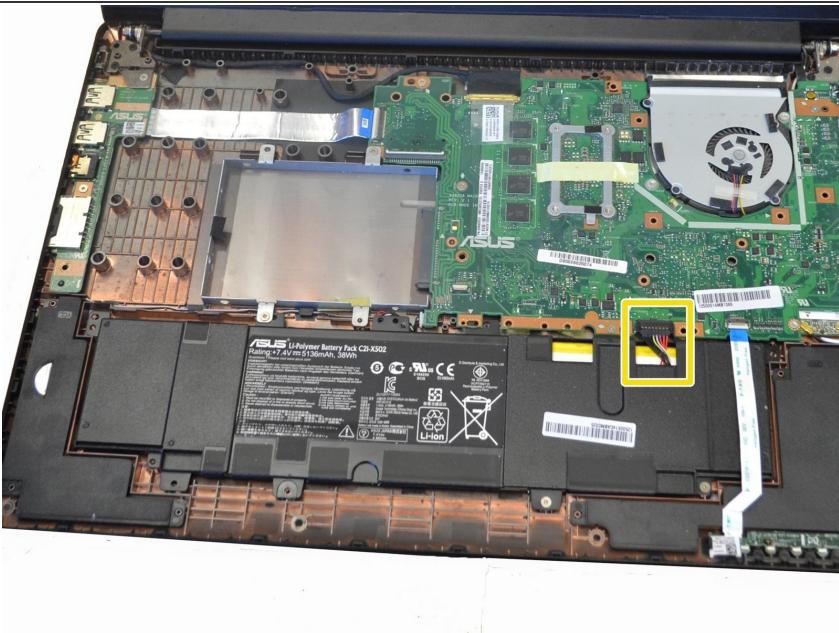
- Slightly pull the unhinged screen up to free the board and remove it.

## Step 13 — Battery



- Next, locate the battery in the front of laptop (closest to you).

## Step 14

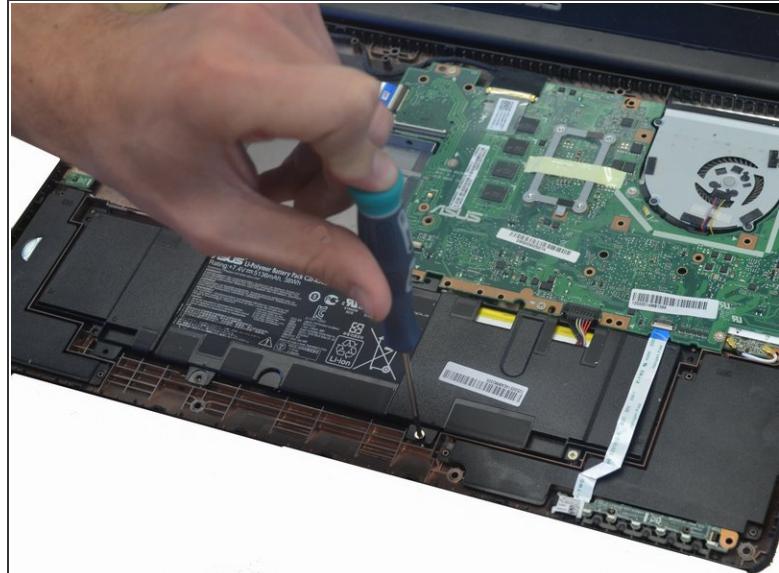
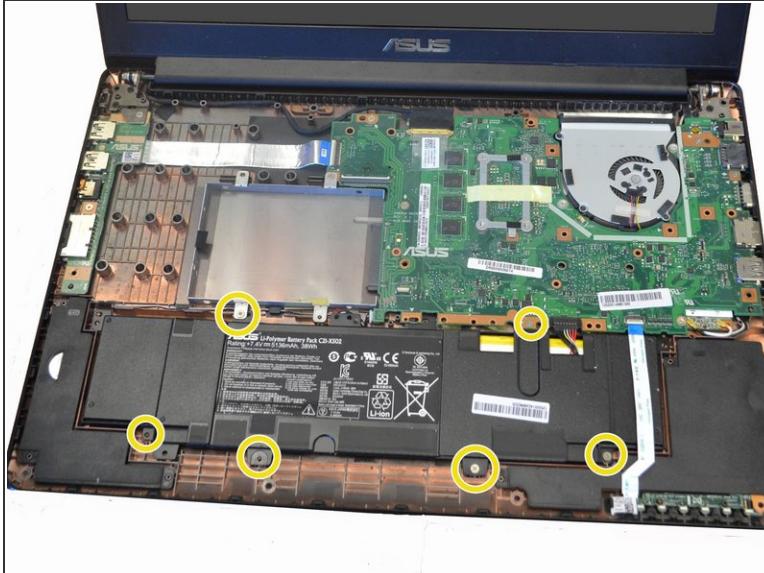


- Unplug the battery from the laptop in the upper right hand corner of the battery using tweezers.



If battery is not unplugged, motherboard may shock you.

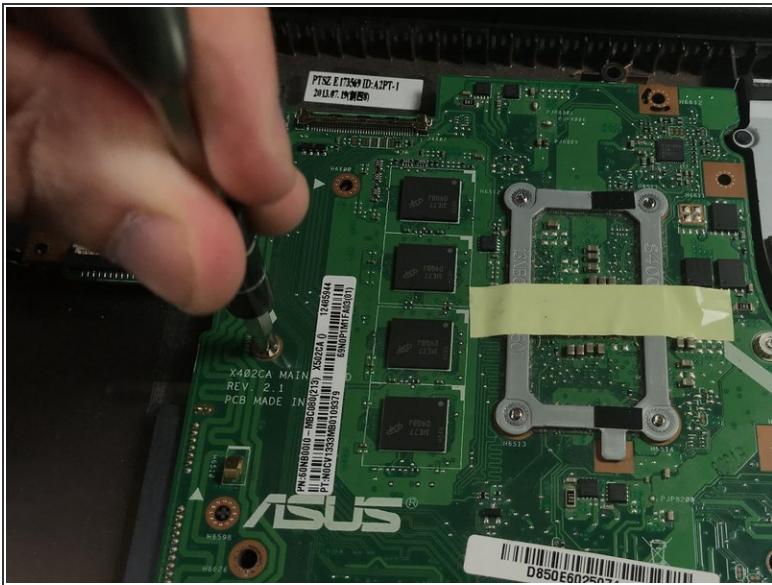
## Step 15



- Use the Phillips #00 Screwdriver to carefully remove the 6 screws holding the battery in place.
- Once you have removed all six screws carefully lift the battery out and dispose.

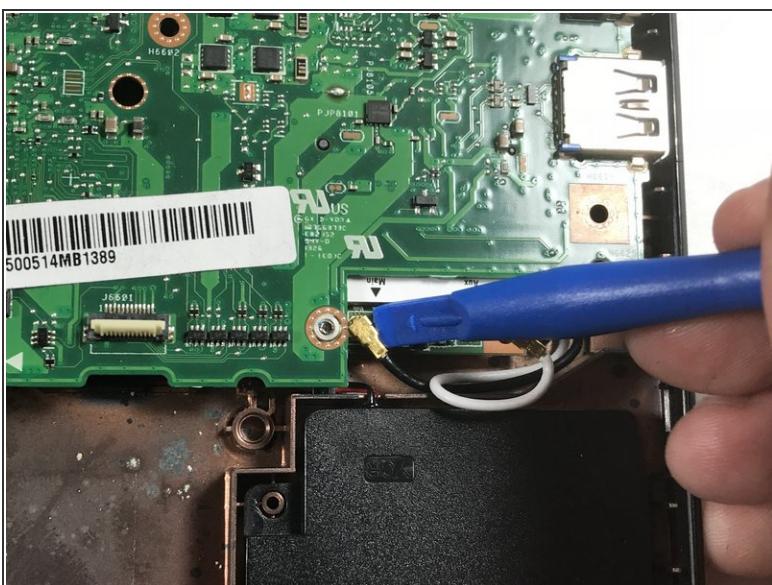
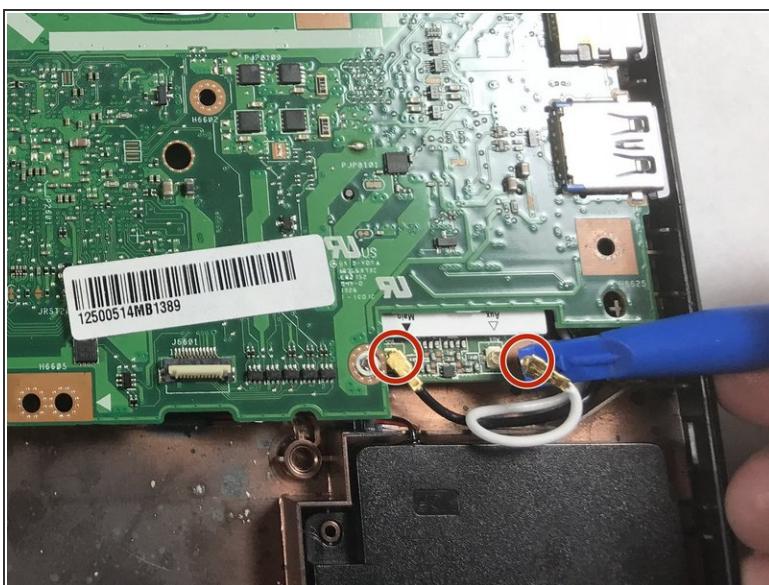
***(i)*** Each screw is 50 mm in length and 15 mm in diameter.

## Step 16 — Motherboard



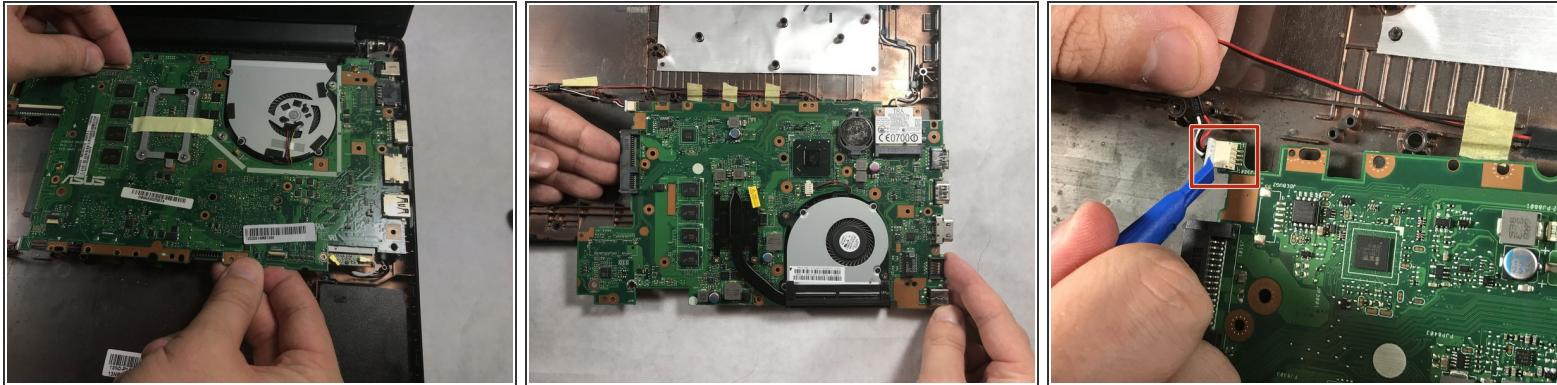
- Use the Phillips #0 screwdriver to remove the last five 5mm screws holding the motherboard down.
- *(i)* These screws will be marked by diamonds next to the screw holes.

## Step 17



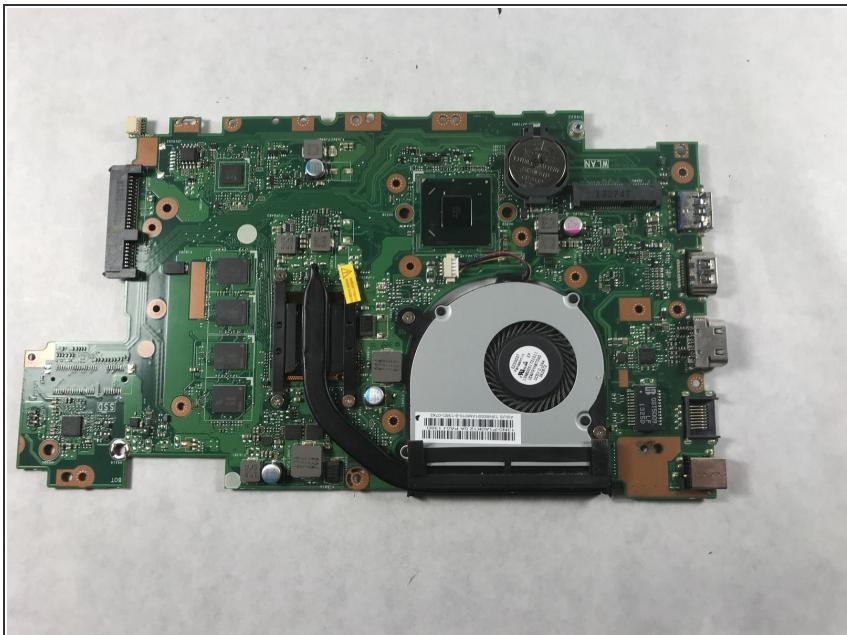
- Use the plastic opening tool to unclip the two wires from the Wi-Fi card that are connected to the motherboard.

## Step 18



- Flip the motherboard over and use the plastic opening tool to unplug the black and red wires from the motherboard.

## Step 19



- Pull up on the motherboard and take it out.

## Step 20 — Wi-Fi Card



- Take out the 2.5mm PH #0 screw located on the top of the Wi-Fi card.
- Lift the card up and pull it out.

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