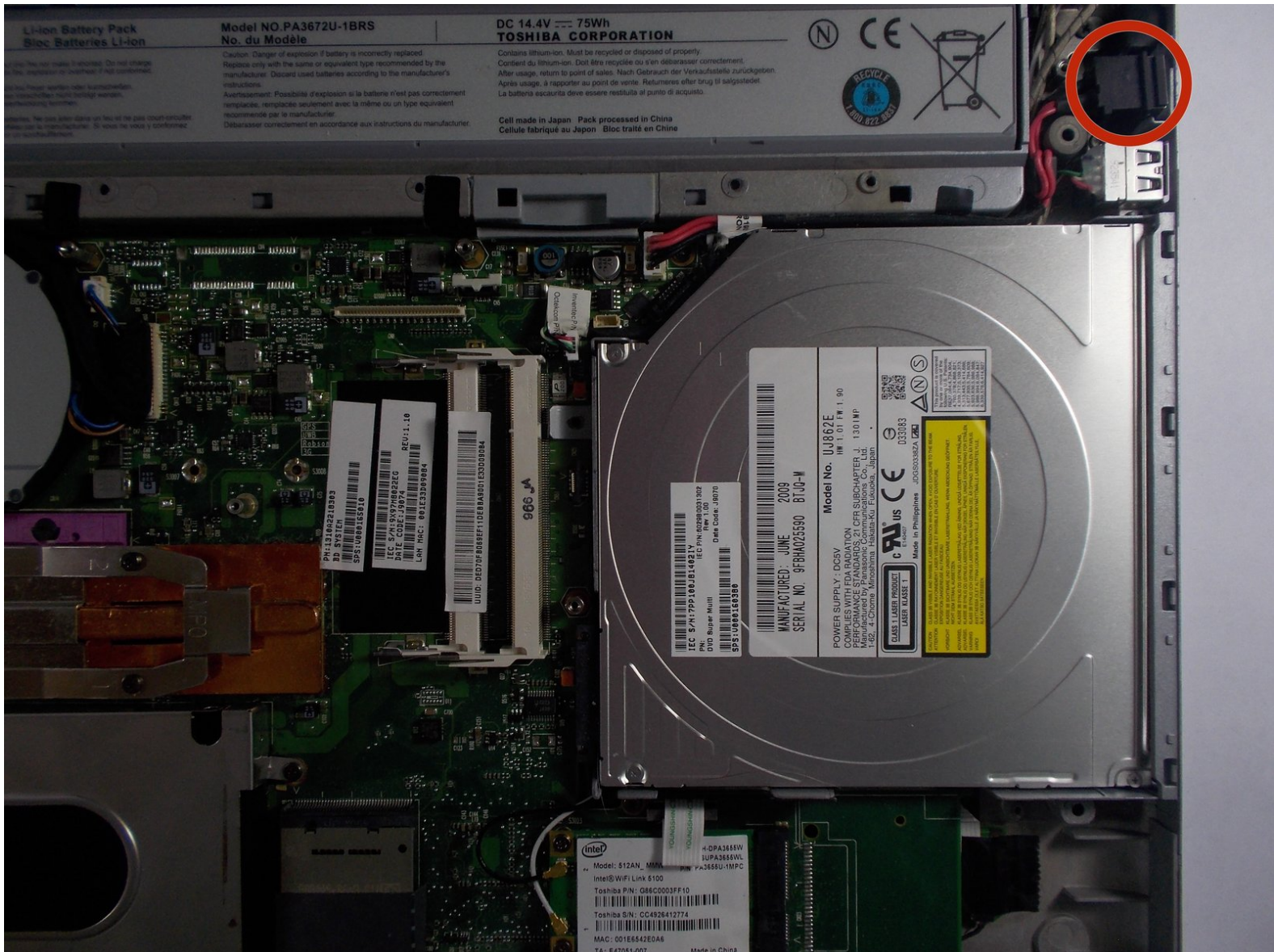# Toshiba Satellite E105-S1602 Charging Port Replacement

This guide is designed to help you replace the charging port.

Written By: Ian Washburne

INTRODUCTION

The charging port is where the charging cord connects into the device. If your device will not charge with the cord plugged in, it may need a new charging port.

🔧 TOOLS:

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

Step 1 — Battery

- Slide both of the latches to the outside to release the battery.

Step 2

- Pull the battery out by lifting the battery cover away from the laptop.

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Step 3 — Keyboard

- Flip the computer over and insert the plastic opening tool under the plastic strip at the top of the keyboard.

- Pry the top plastic strip from the top of the keyboard.

- Peel the strip completely away from the keyboard.

Step 4

- Using your Phillips #00, unscrew the two 4.80mm screws at the top of the keyboard.

Step 5

⚠ When removing the keyboard, be careful not to rip the ribbon cable connecting the keyboard to the computer, to avoid damaging it.
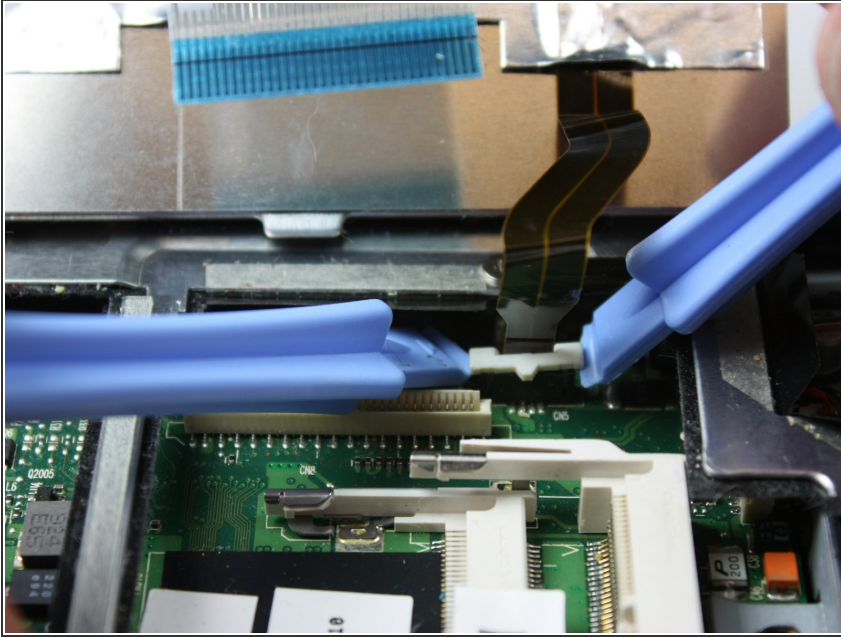
● Flip the keyboard up from the bottom in order to see the two ribbons connecting it to the motherboard.

Step 6

● Using the plastic opening tools, pop out the ribbon cable from the rest of the computer.

Step 7

- Using the plastic opening tools, pop out the second ribbon cable from the rest of the computer.

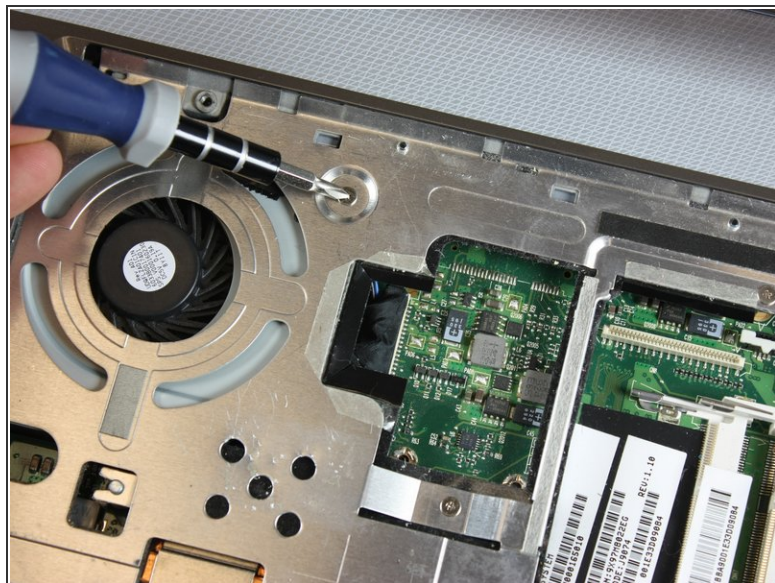## Step 8

- Completely remove the keyboard from the laptop by lifting up the part closest to the screen, and then gently pulling out the bottom half.

- (i) Keep the keyboard safe by storing it on a flat, non-metallic surface until needed.

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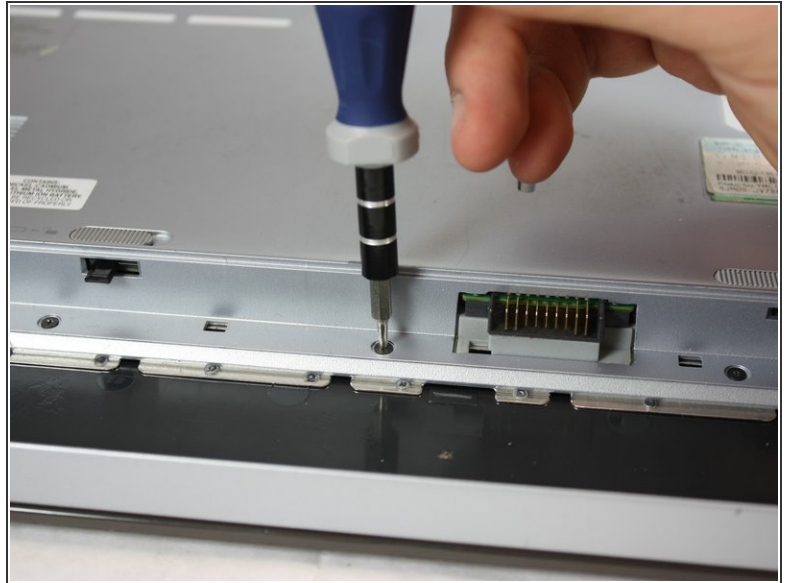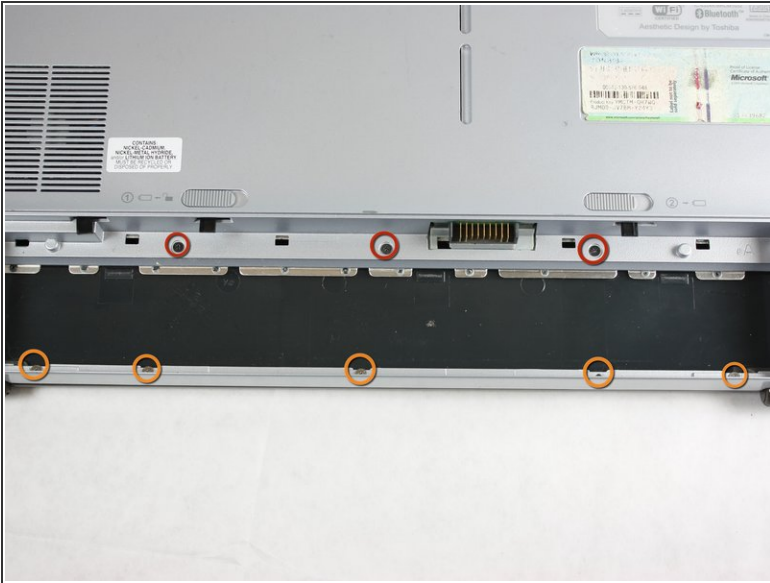
Step 9 — Front Panel

- Locate the four silver screws on the front panel.

- Using the Phillips #0, unscrew to remove all four 2.95mm silver screws.

Step 10

- Flip the laptop over and locate all seven screws on the bottom of the laptop.

- Unscrew all seven Philips#00 7.70mm screws.

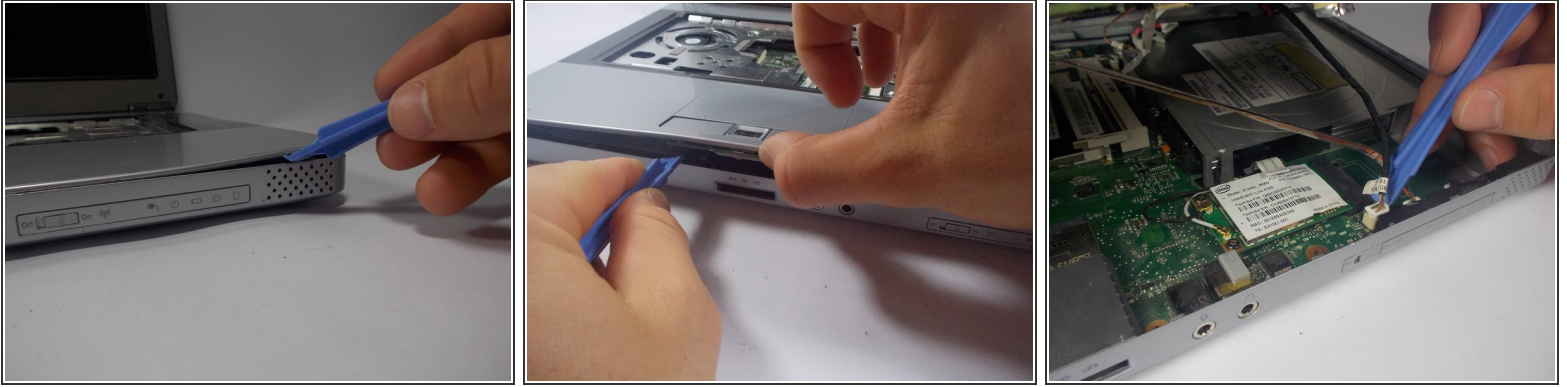This document was generated on 2019-09-16 05:25:35 PM (MST).

Step 11

- Locate and unscrew the three silver Philips #00 2.85mm screws inside the battery compartment.

- Locate and unscrew the five black Philips #00 3.25mm screws inside the battery compartment.
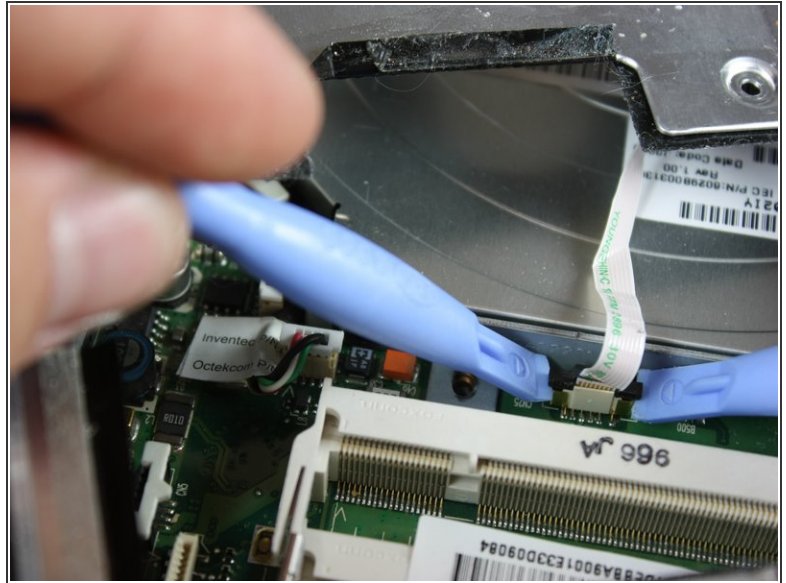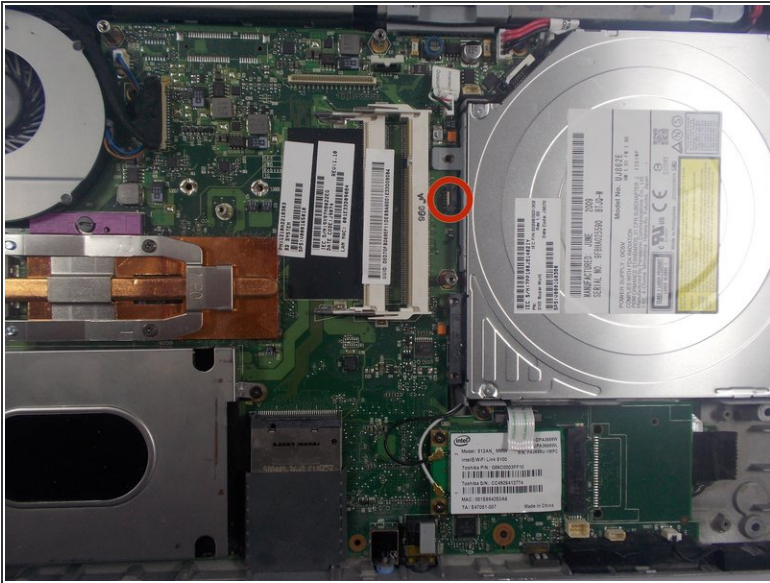
Step 12

- Rotate the laptop so the back faces you.

- Locate the two black Philips #00 7.65 screws, one by each hinge, and remove.

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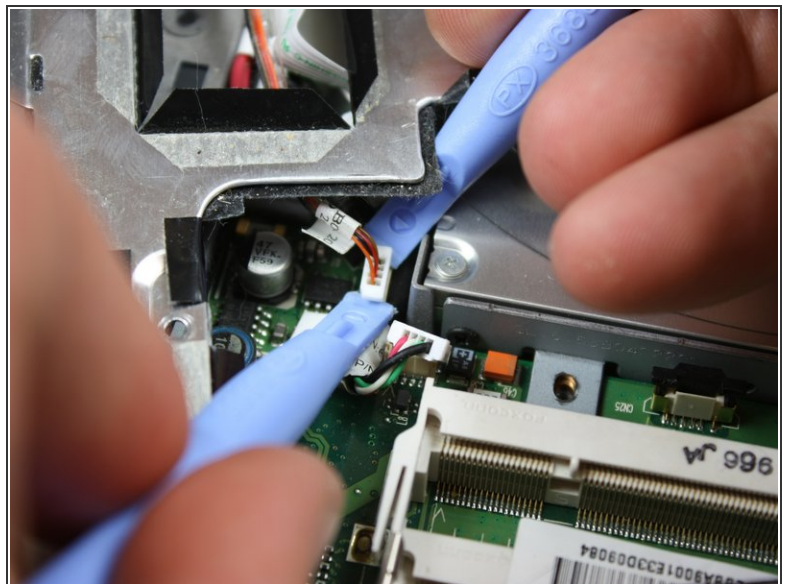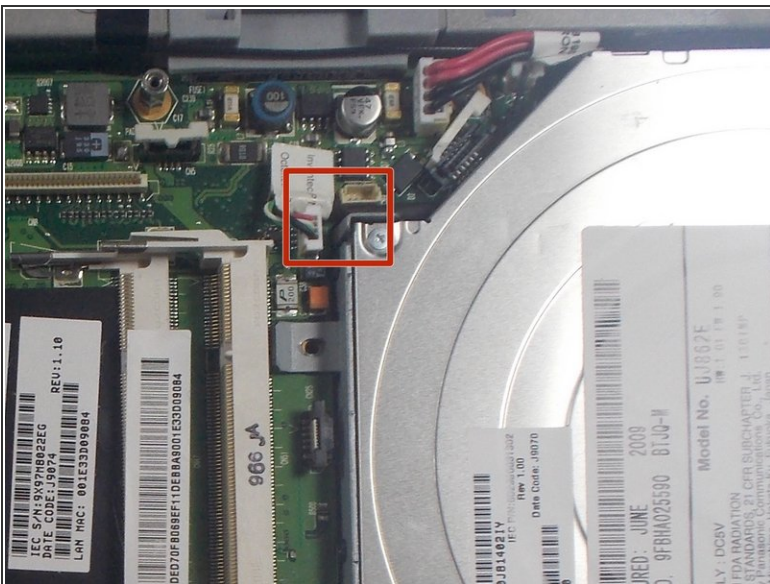
Step 13

- Use the plastic opening tool to pry the top panel up from the base of the computer.

- Slowly work your way around the computer with the plastic removing tool to make it easier to lift the top panel away from the base.

- ⚠ Carefully lift the top panel no more than six inches, as there are ribbon cables connecting the two pieces.

- Disconnect ribbons, and slowly lift the top panel up, away from the base.
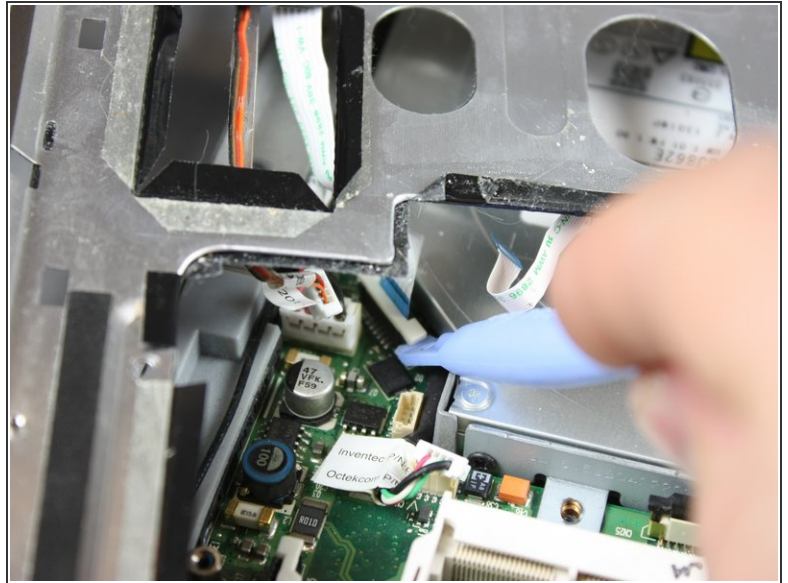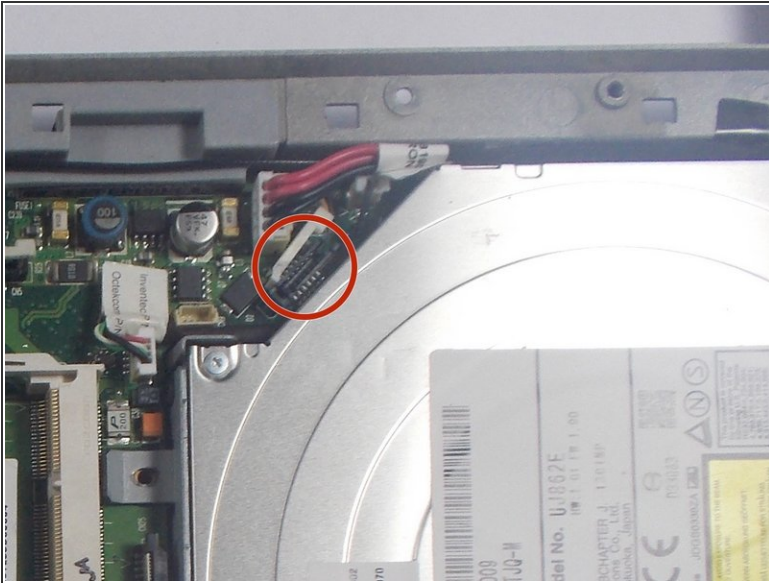
Step 14

- Locate the ribbon cable from the motherboard.

- Using plastic removing tools, pop the ribbon base from the motherboard.

Step 15

- Locate the two plugs from the motherboard.

- Using plastic opening tools, remove each plug from the motherboard.

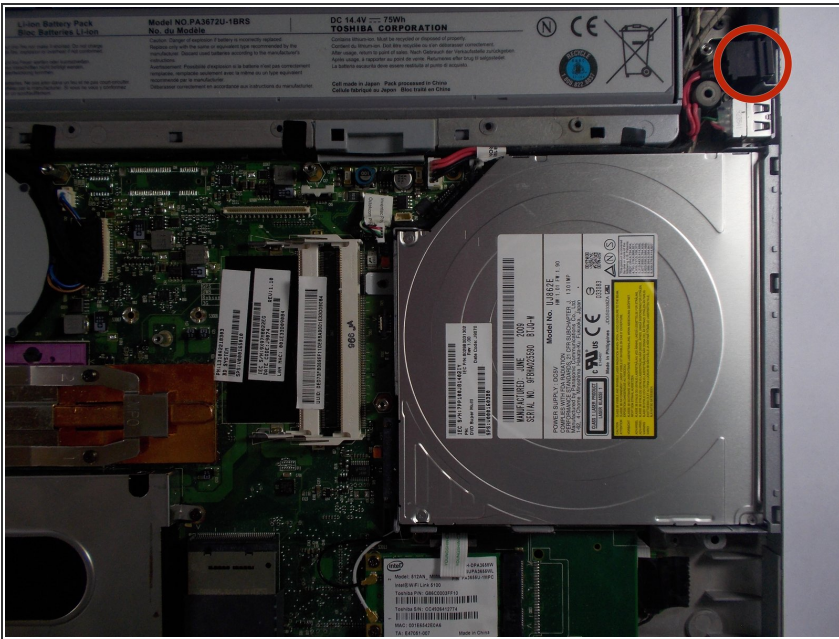This document was generated on 2019-09-16 05:25:35 PM (MST).

Step 16

- Locate the ribbon cable partially hidden under the front panel.

- Using plastic opening tools, pop out the ribbon cable from the motherboard.
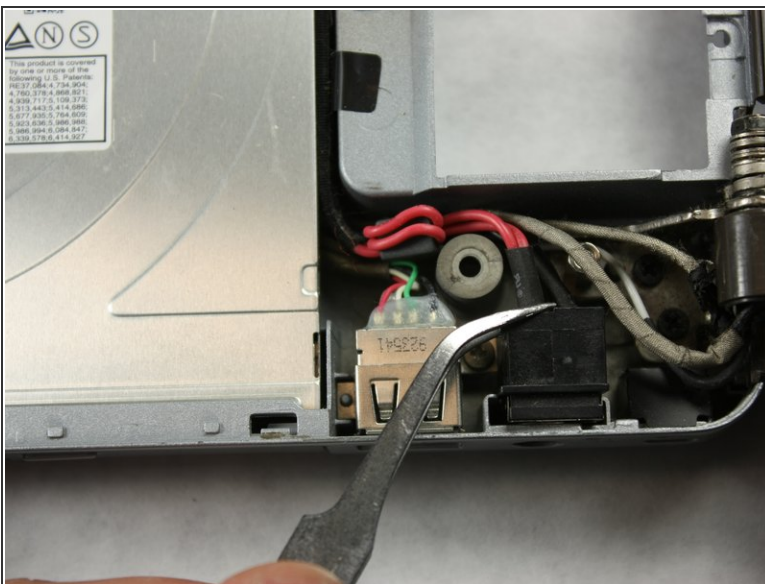
Step 17

⚠️ Make sure that all wires have been disconnected before proceeding to avoid damaging components.

- Slowly lift the top panel away from the base of the computer.

- Place the top panel away from the computer and keep in a flat non-metallic surface until needed.

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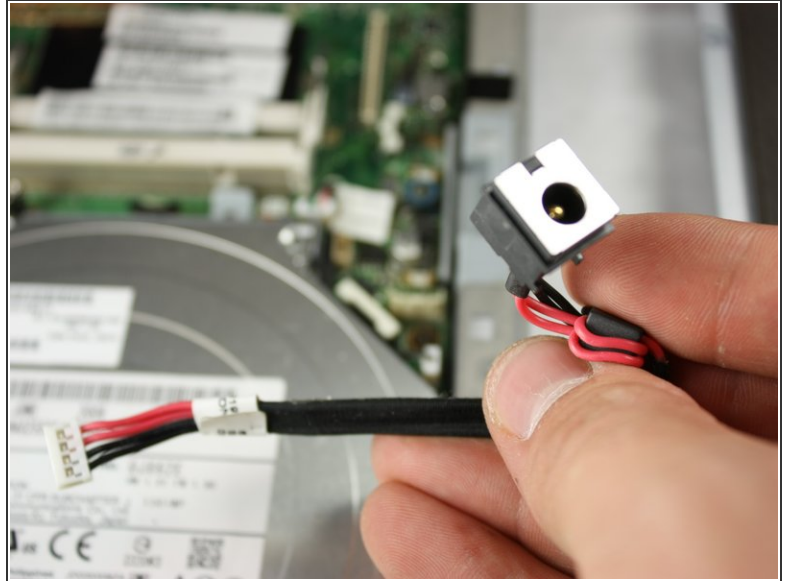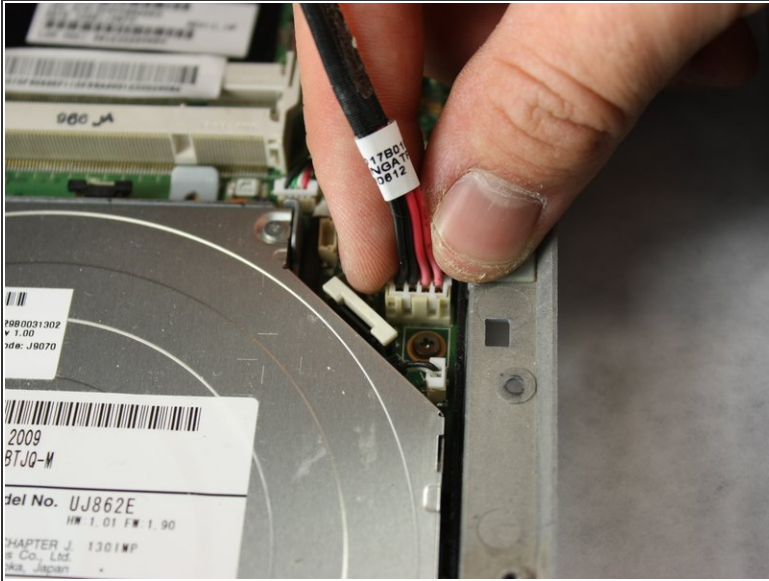
Step 18 — Charging Port

- Locate the charging port on the computer.

Step 19

- Turn the laptop so the side with the charging port is facing you.

- Using a tweezer, lift up the charging port to take it out of its retaining slot.

- Pull the wires out from their nesting place in between the disc drive and the computer body.

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Step 20

- Locate the base of the plug on the motherboard.

- Pull up on the plug to remove the charging port from the motherboard.

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