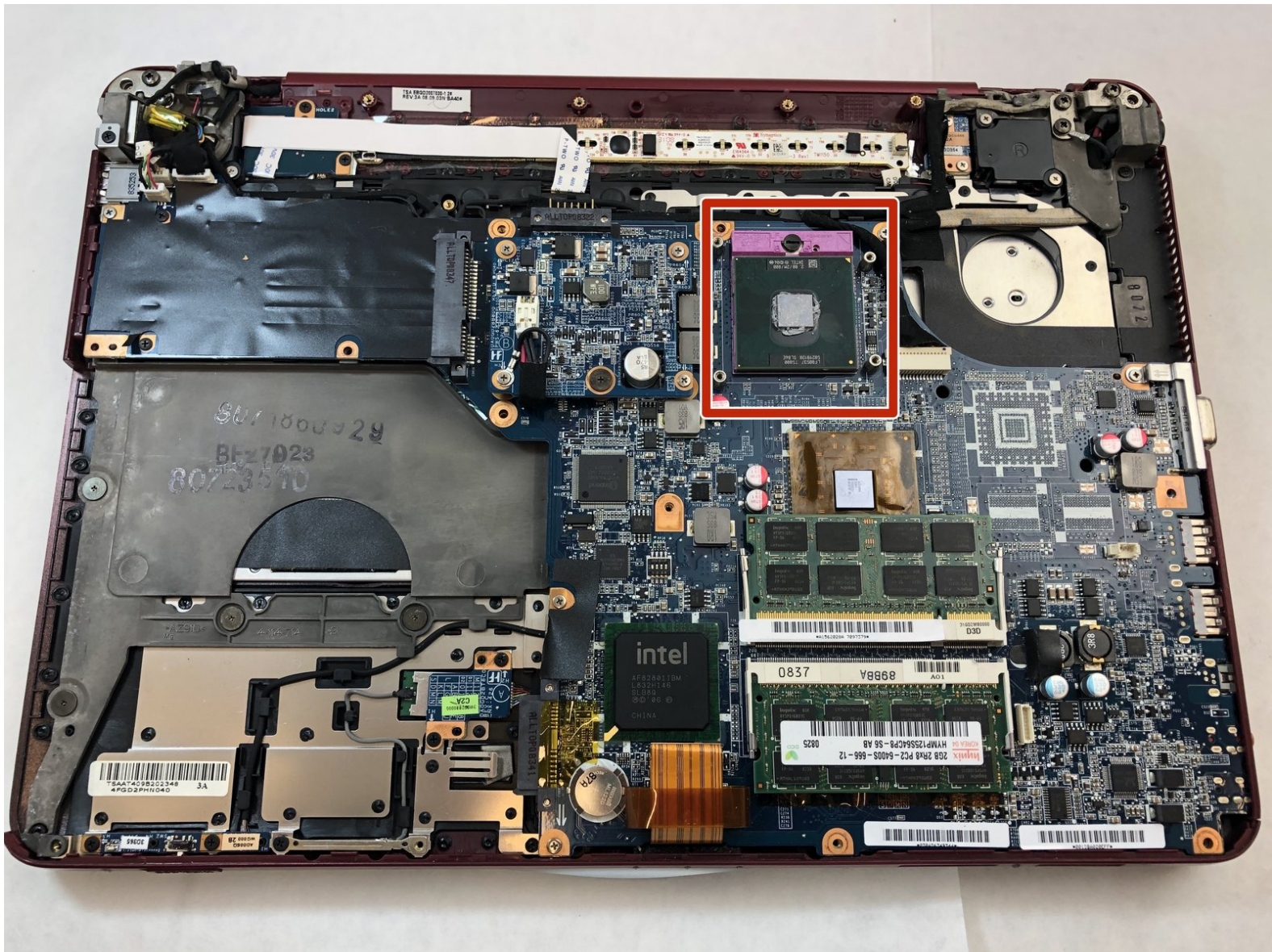# Sony Vaio PCG-3C2L CPU Replacement

This replacement guide demonstrates how to remove the CPU in the Sony VAIO PCG-3C2L.
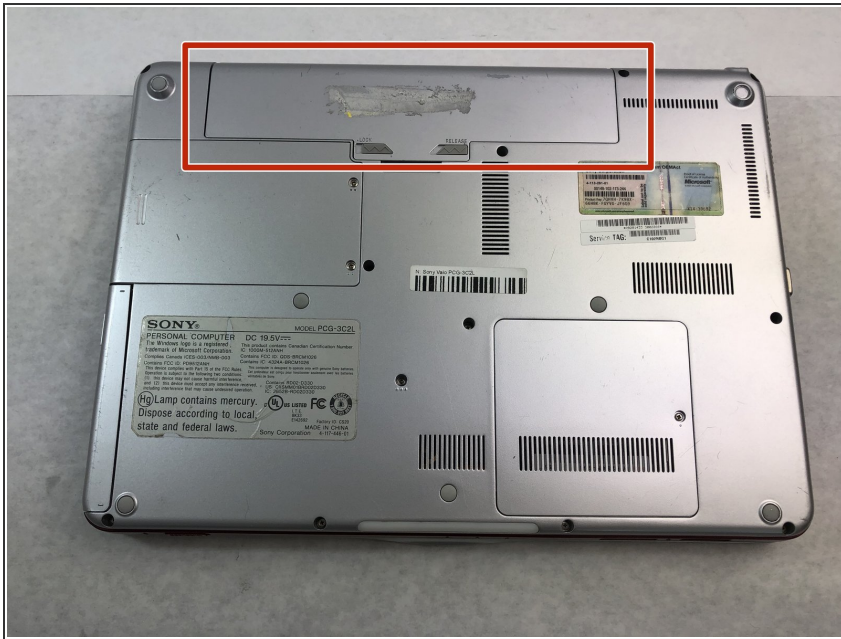
Written By: Chloe Nelson

INTRODUCTION

This replacement guide demonstrates how to remove the CPU from a Sony VAIO PCG-3C2L. The CPU is responsible for interpreting and executing the most of the commands from the device's hardware and software. It is often considered the "brains" of the device. Repeated experience with overheating may yield the need to replace the CPU.

🔧 TOOLS:

- Phillips #0 Screwdriver (1)
- iFixit Opening Tools (1)
- Flathead Screwdriver (1)

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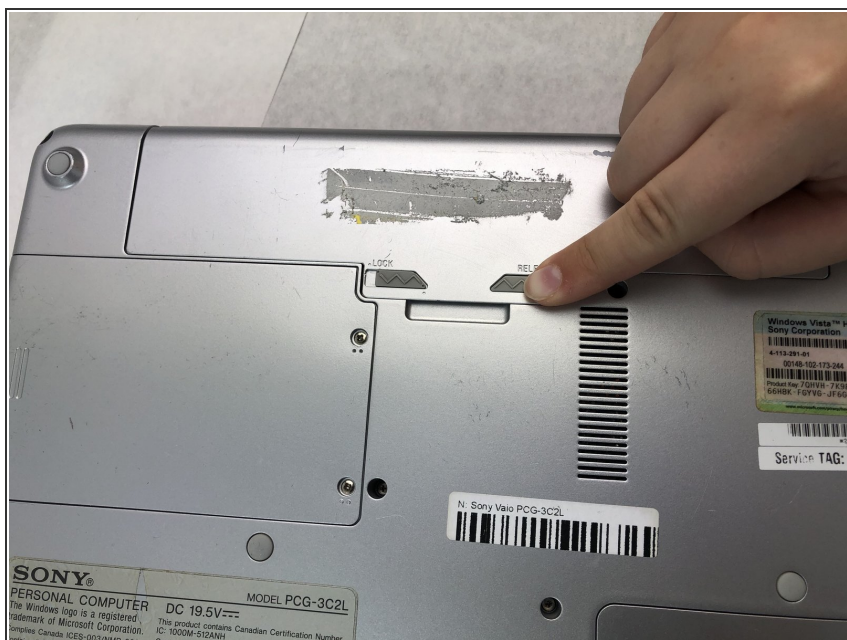www.iFixit.com

Step 1 — Battery

- Turn your computer over so the bottom is facing up.

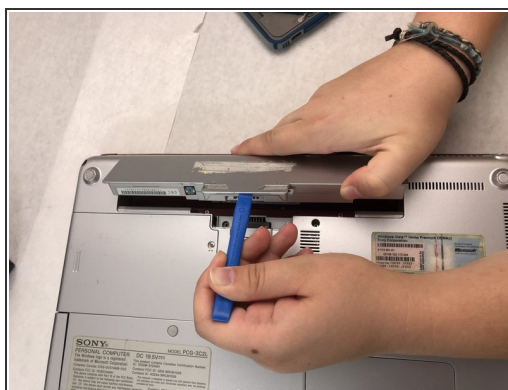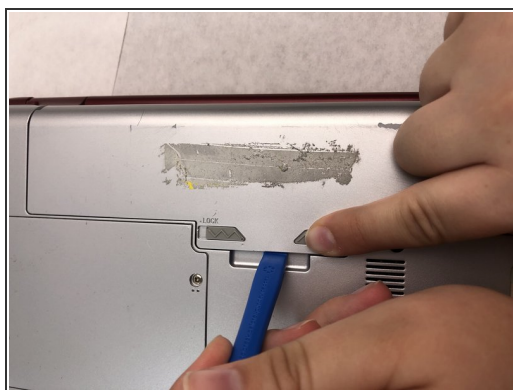- The battery should be in the top on the back of the computer.

Step 2

- Initially, the "lock" button should be pushed all the way to the left. To unlock the battery, move the lock button from the left to the right.
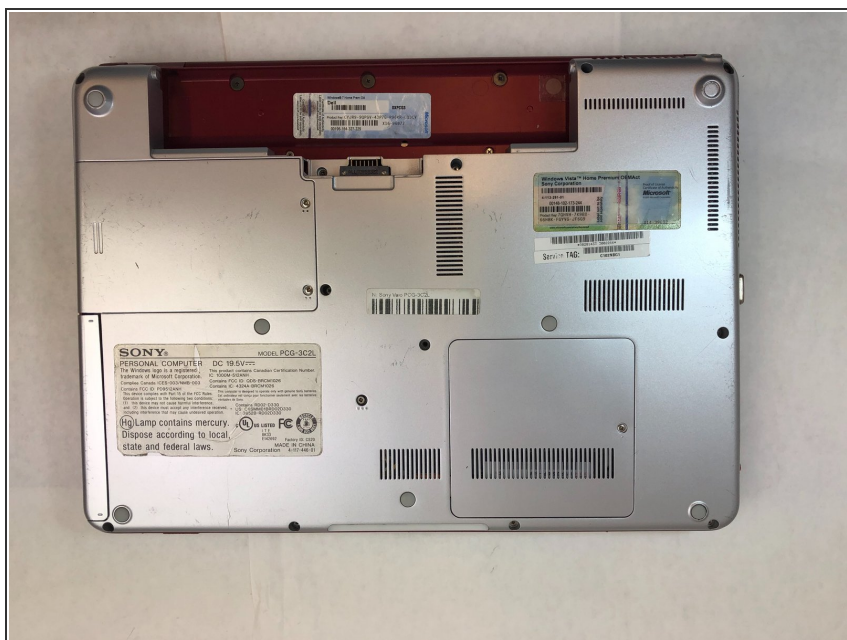
Step 3

- After unlocking the battery, hold the "release" button and push to the left.
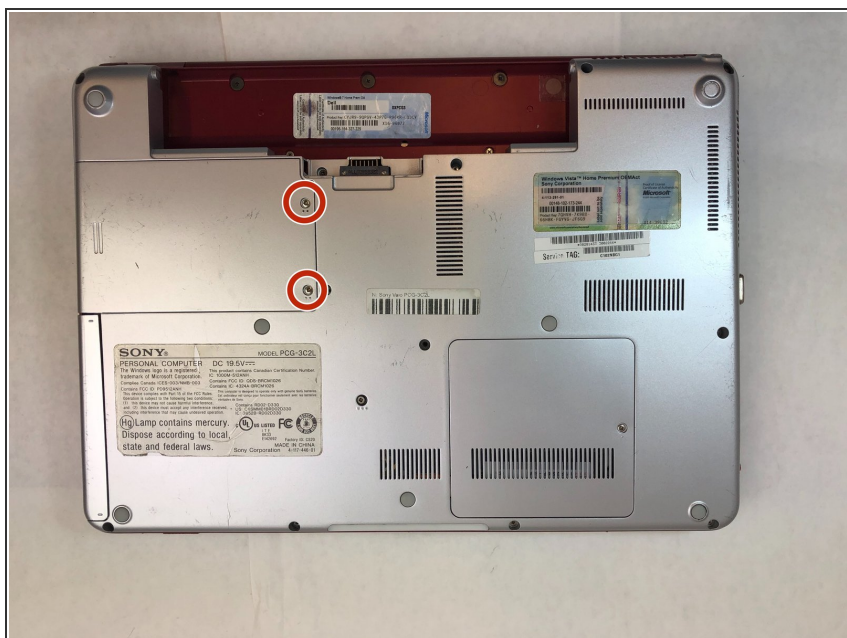
Step 4

- Keep the "release" button pressed.

- Use the iFixit opening tool (or your hands) to lift the battery up.

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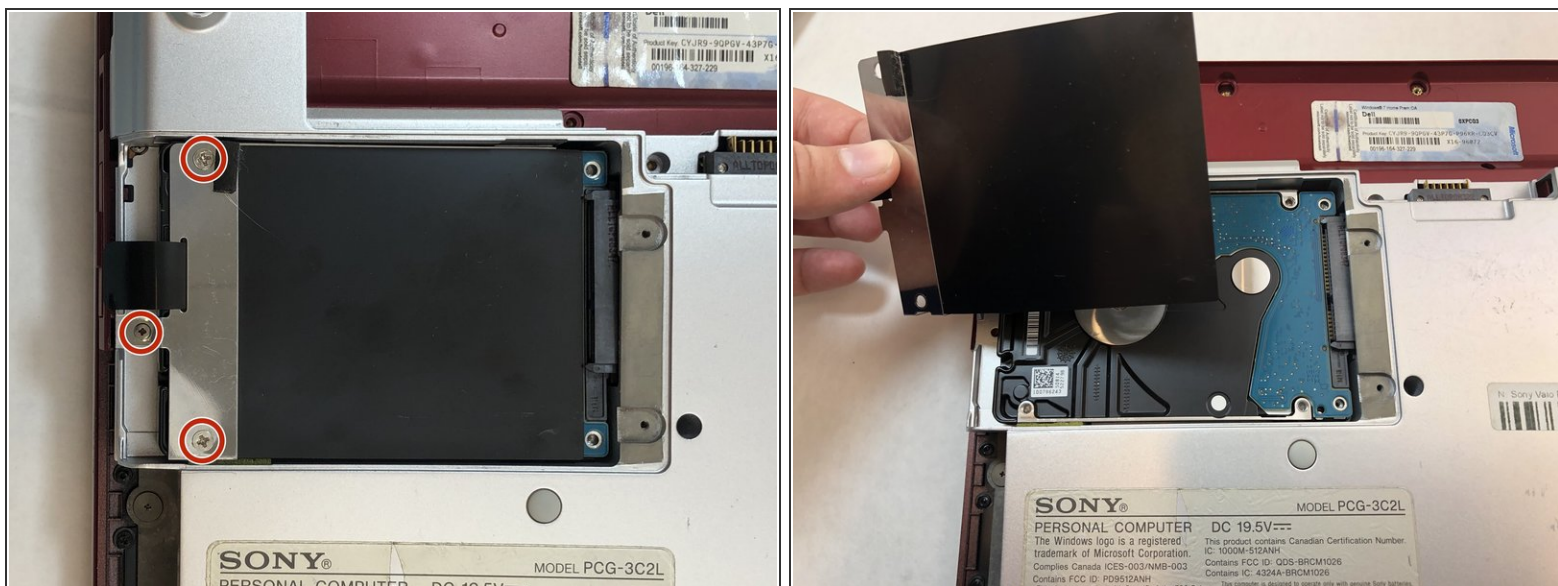
Step 5 — Hard Drive

- Place the laptop so that the bottom is facing up.

Step 6

- Using a Phillips #0 screwdriver, remove the two 3.5mm screws on the hard drive cover.

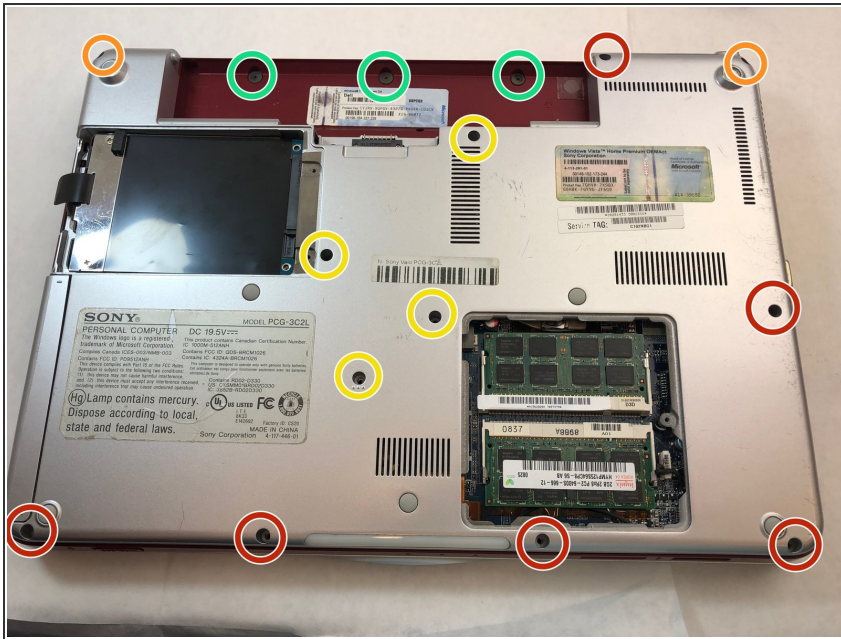This document was generated on 2020-04-05 05:13:43 PM (MST).

Step 7

- Using a Phillips #0 screwdriver, remove the three 8mm screws on the hard drive casing.

- Remove the black hard drive casing by pulling it off.

Step 8

- Remove the hard drive by carefully sliding it out.

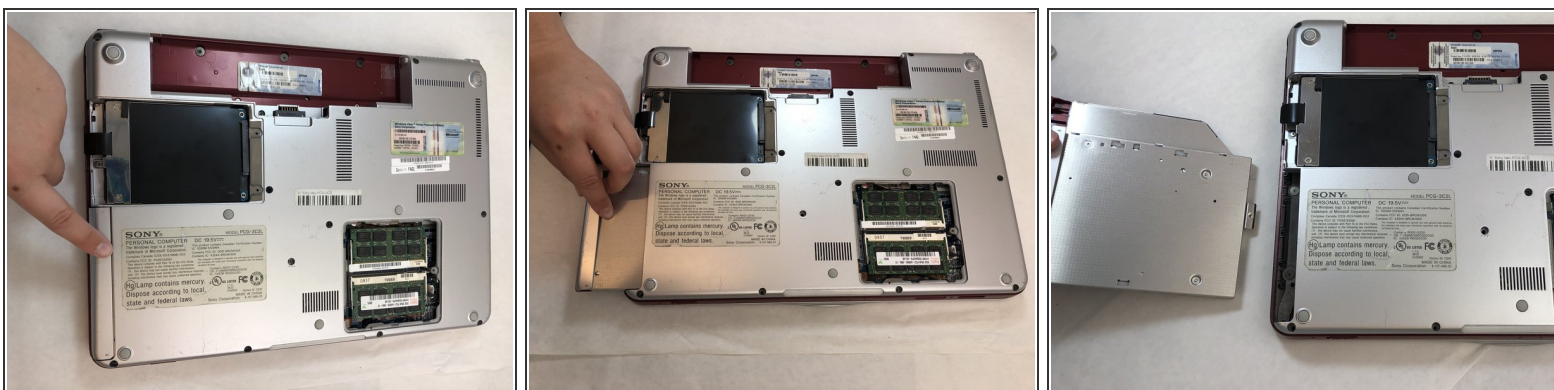This document was generated on 2020-04-05 05:13:43 PM (MST).

Step 9 — Fan

- Remove the six 8 mm edge screws from the back panel using a Phillips #0 screwdriver.

- Remove the two 8 mm corner screws from the back panel using a Phillips #0 screwdriver.

- Remove the four 8 mm middle screws from the back panel using a Phillips #0 screwdriver.

- Remove the three 2 mm screws from the back panel using a Phillips #0 screwdriver.

Step 10

- Remove the 6 mm screw from the battery holder using a Phillips #0 screwdriver.

- Remove the two 4 mm screws from the battery holder using a Phillips #0 screwdriver.

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Step 11

- Remove the CD cartridge from the back panel by sliding it out.
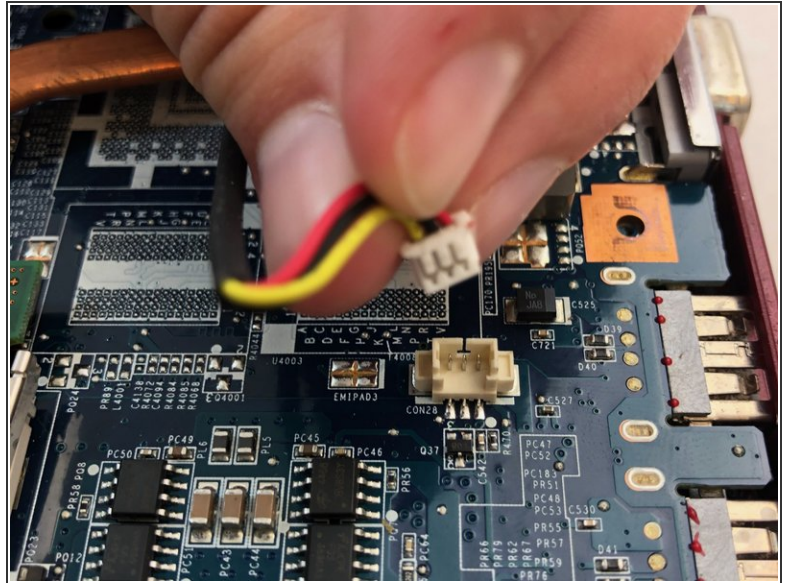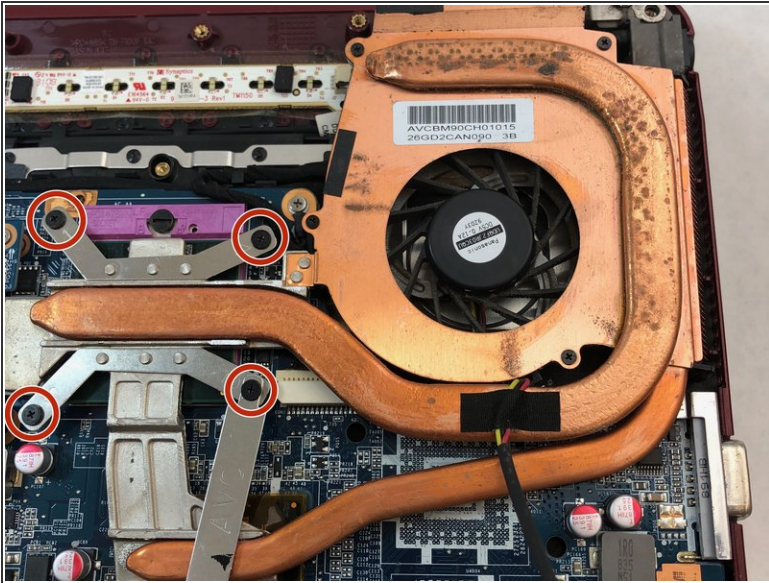
Step 12

- Using your hands, pull up the back panel about two inches up from the rest of the laptop.

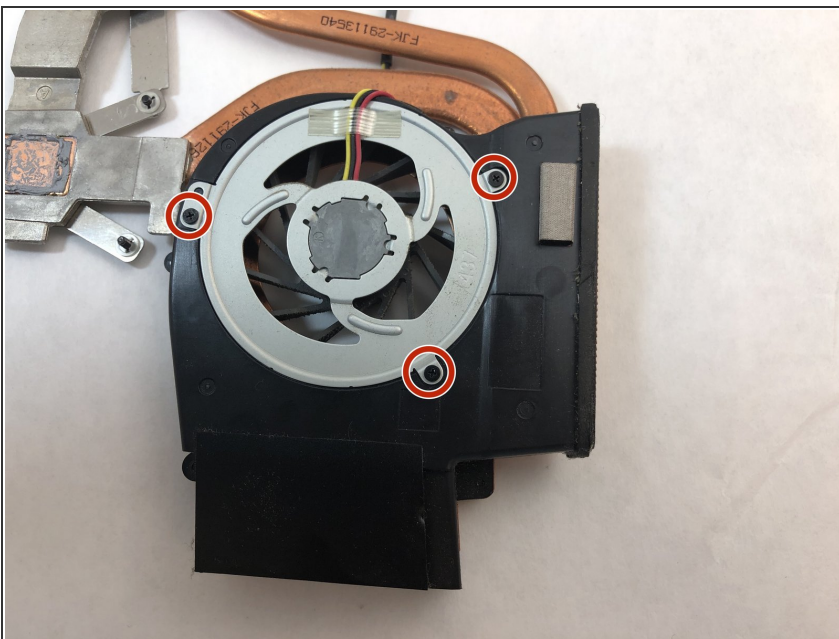- Disconnect the black wire connector.

- Remove back panel.

⚠ Pull up the back panel slowly so the black wire connector does not break.
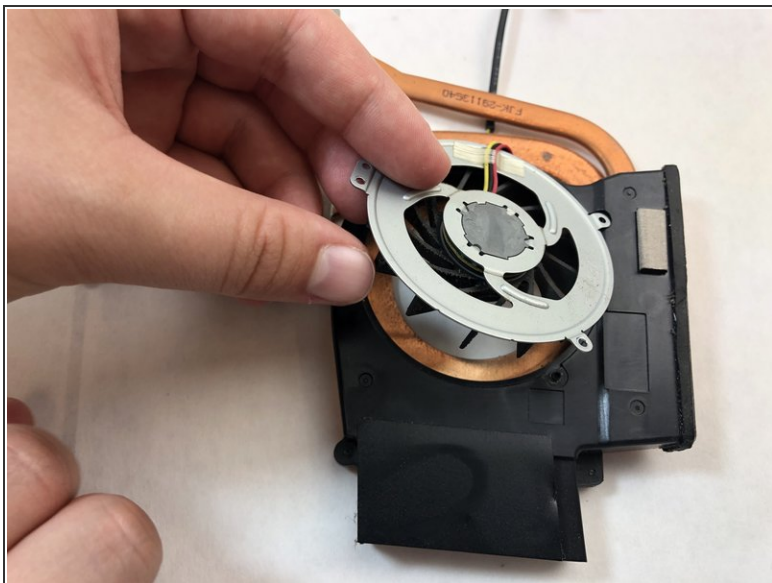
Step 13

- Unscrew the four 4 mm captive screws from the fan casing using a Phillips #0 screwdriver.

- Disconnect the black/red/yellow wire connector by gently pulling on the wire.

- Remove the copper colored fan casing that contains the fan by pulling it off of the bottom of the laptop.
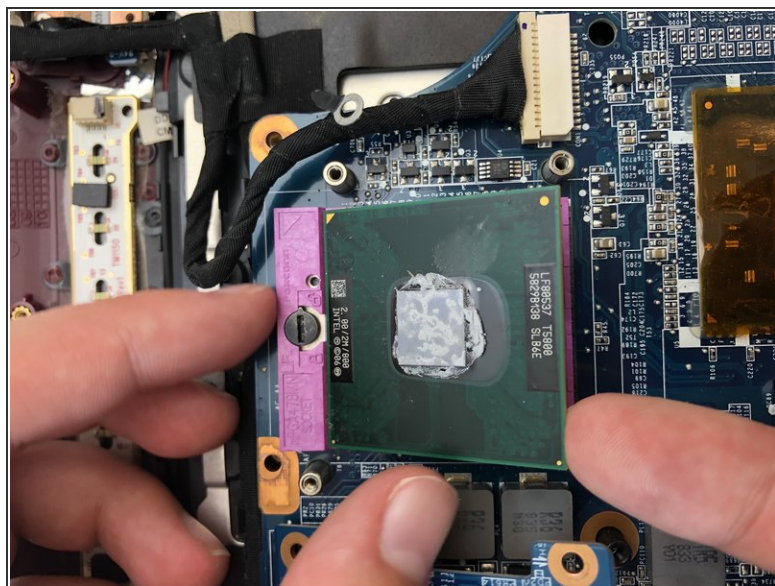
Step 14

- Remove the three 3 mm fan casing screws from the fan casing using a Phillips #0 screwdriver.

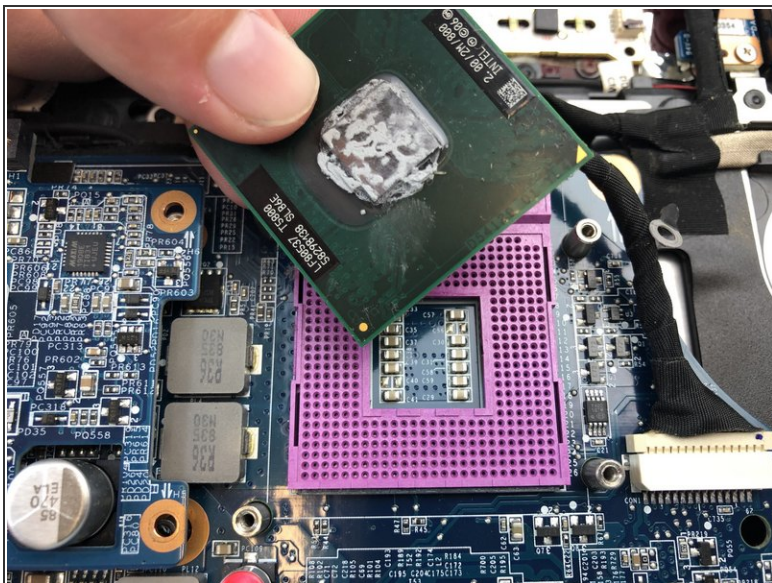This document was generated on 2020-04-05 05:13:43 PM (MST).

Step 15

- Remove the fan from the fan casing by sliding it out.

Step 16 — CPU

- Place the flathead screwdriver onto the single screw of the CPU.

- Upon pressing the flathead onto the screw, a small pop sound will commence.

- ⓘ Step 14 and 15 do not need to be followed if you are replacing the CPU.

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Step 17

- Upon hearing a pop sound, the CPU can be carefully pulled out.

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

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