Alienware 17 R4 Battery Replacement
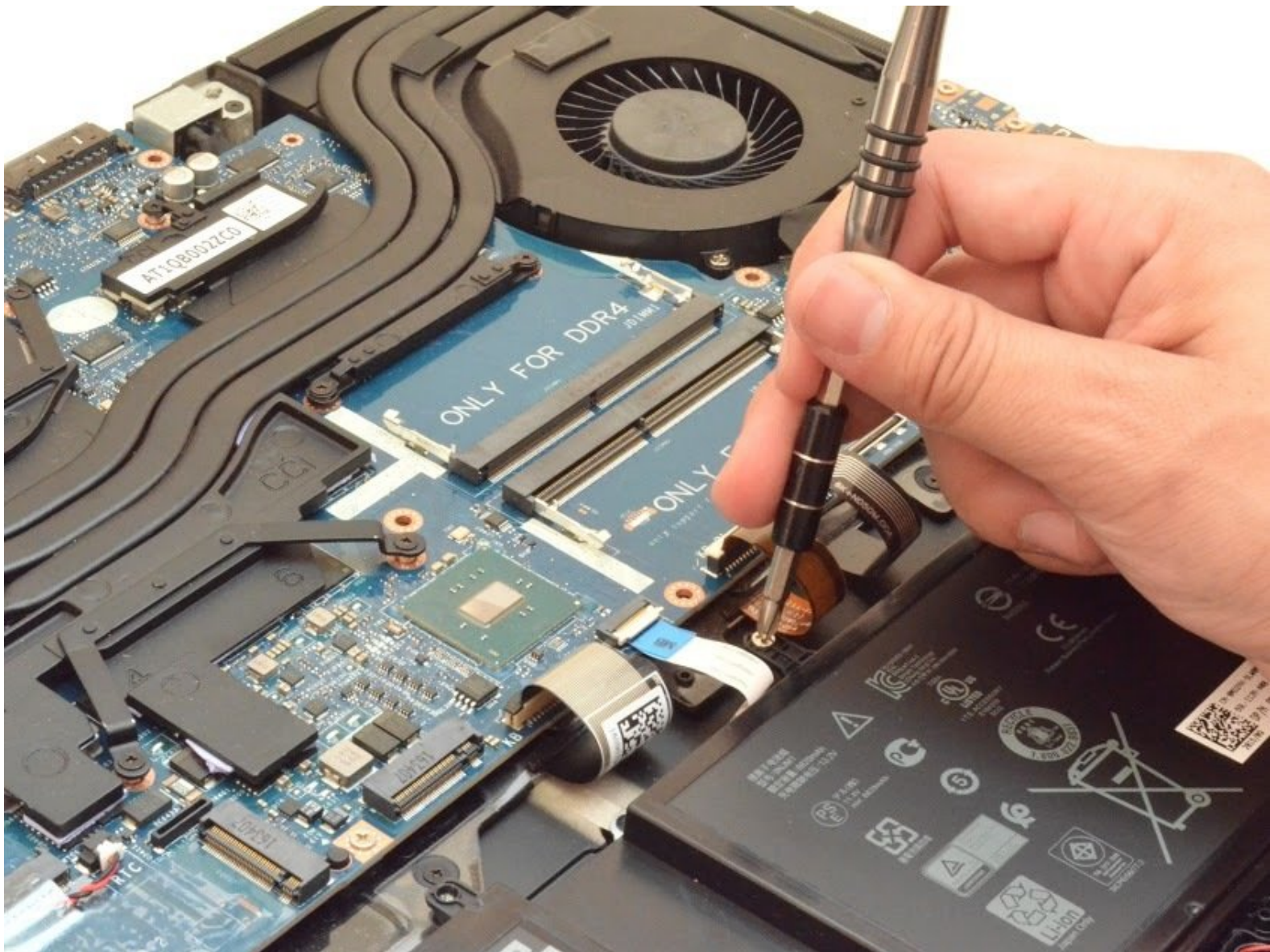
How to remove and replace the battery.

Written By: Hector Mendez III

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INTRODUCTION

This guide will teach you how to remove the battery in order to replace it.

🔧 TOOLS:

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

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Step 1 — Base Cover

- Use a **PH1 screwdriver bit** to remove the **six M2.5x13 screws (2.4 mm)** on the back of the laptop.

- Use a **PH1 screwdriver bit** to loosen the **one M2x3 screw (1.9 mm)**.

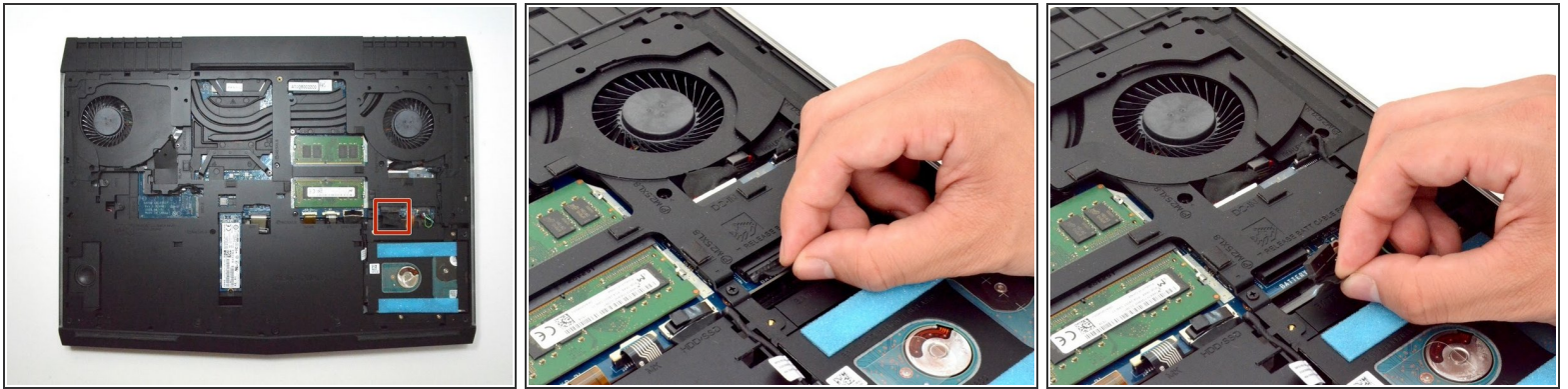 - (i) The **M2x3 screw (1.9 mm)** does not come out completely.

Step 2

- Pull the base cover up to remove it.

- If you are having trouble, insert a **plastic opening tool** into the divots along the laptop's edges to loosen.

- (i) Removing the cover may require some force.

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Step 3 — Hard Disk Drive (HDD)

- Disconnect the **battery connector cable**, located on the right side of the laptop, above the hard disk drive.

- (i) Once you have removed the cable, wait **5-10 minutes** to allow the laptop to power down.

- ⚠ Failure to remove the battery connector cable properly may damage other parts of the laptop.

Step 4
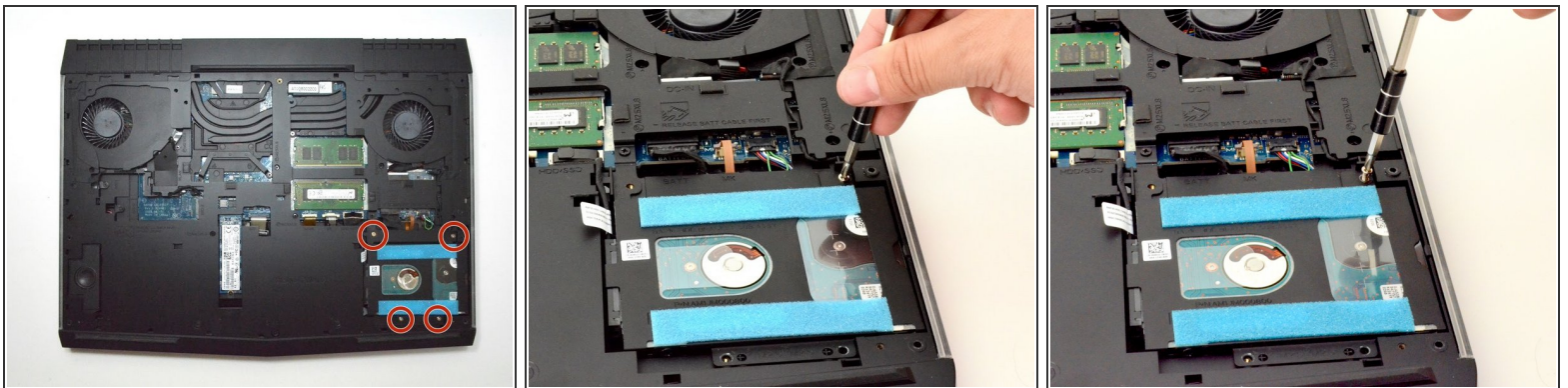
- Use a **PH1 screwdriver bit** to remove the **four M2.5x5 screws (2.4 mm)** on the hard disk drive.
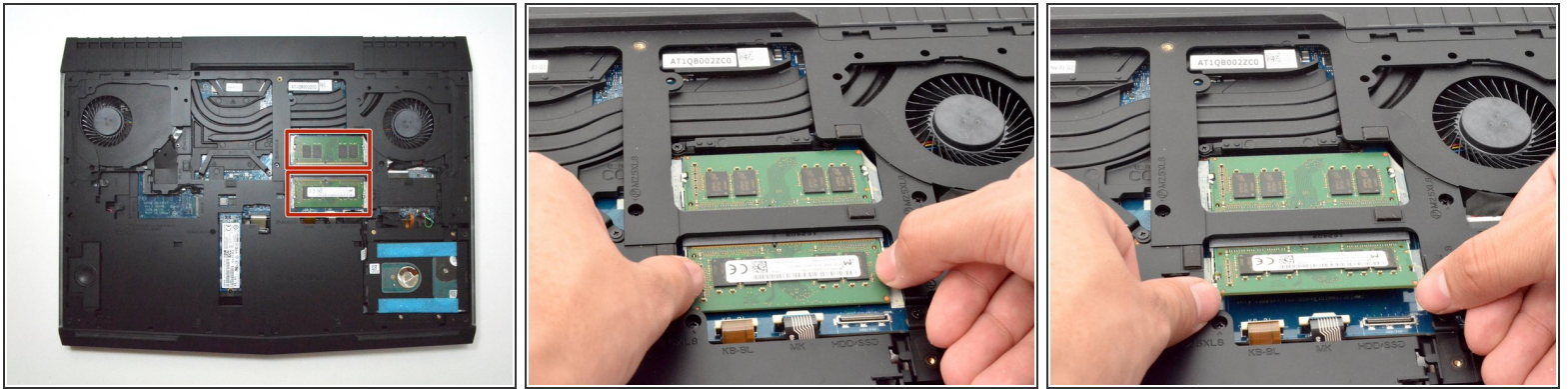
Step 5

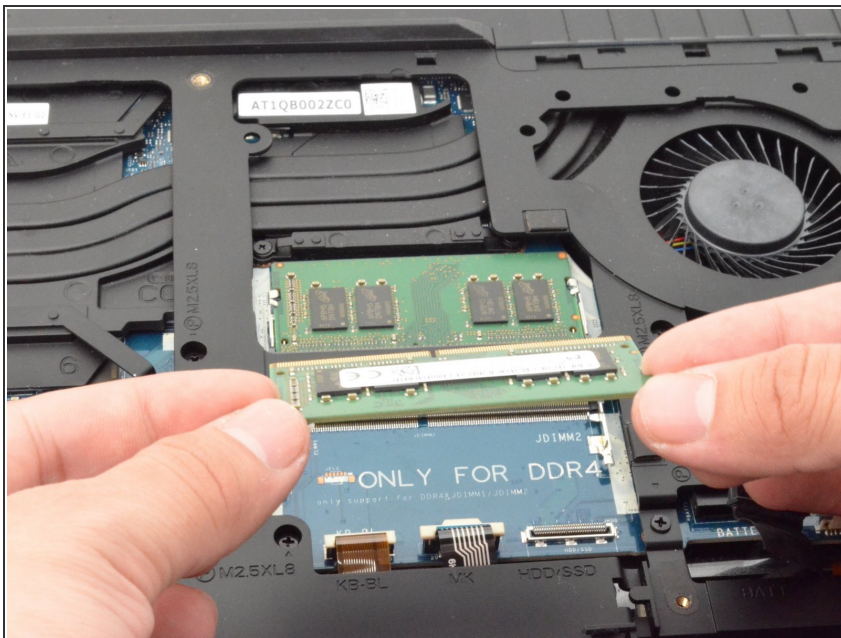- **Gently** lift the HDD cable to disconnect it from the laptop.

Step 6

- Pull the hard drive up to remove.

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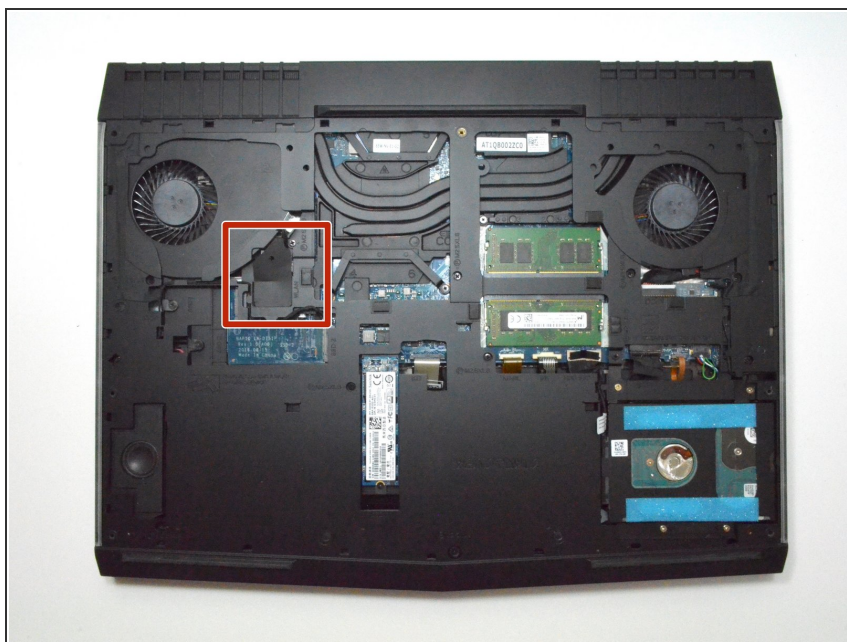www.iFixit.com

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Step 7 — RAM

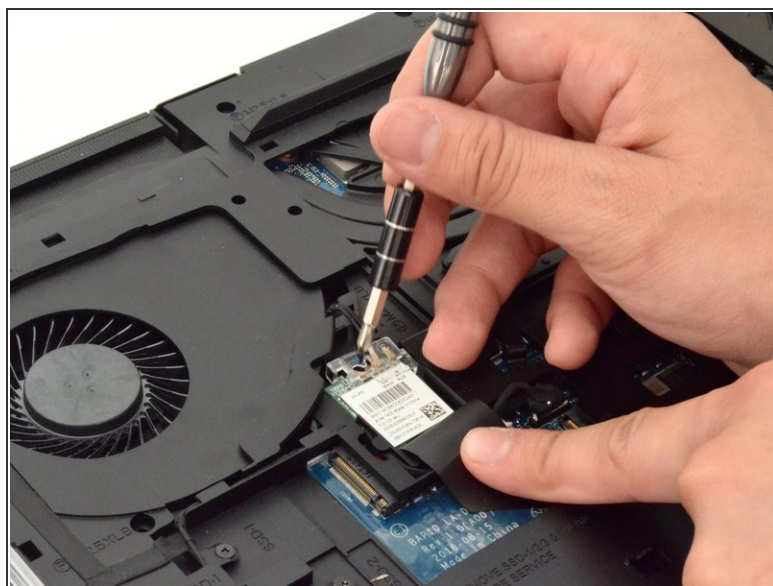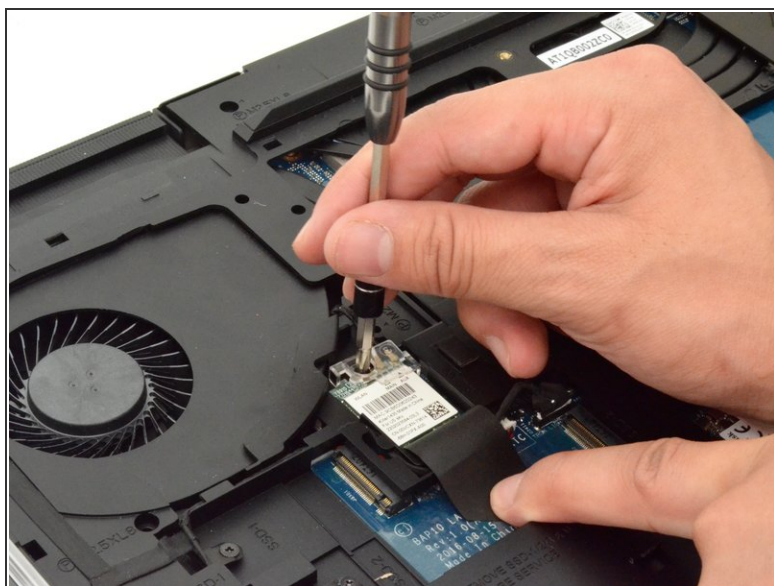- Move the metal sidings outward to release the RAM card.

Step 8

- Slide the RAM card out towards yourself to remove it.

- Repeat the same step for the RAM card above.

⚠️ Slide the RAM card out carefully to avoid damaging it.
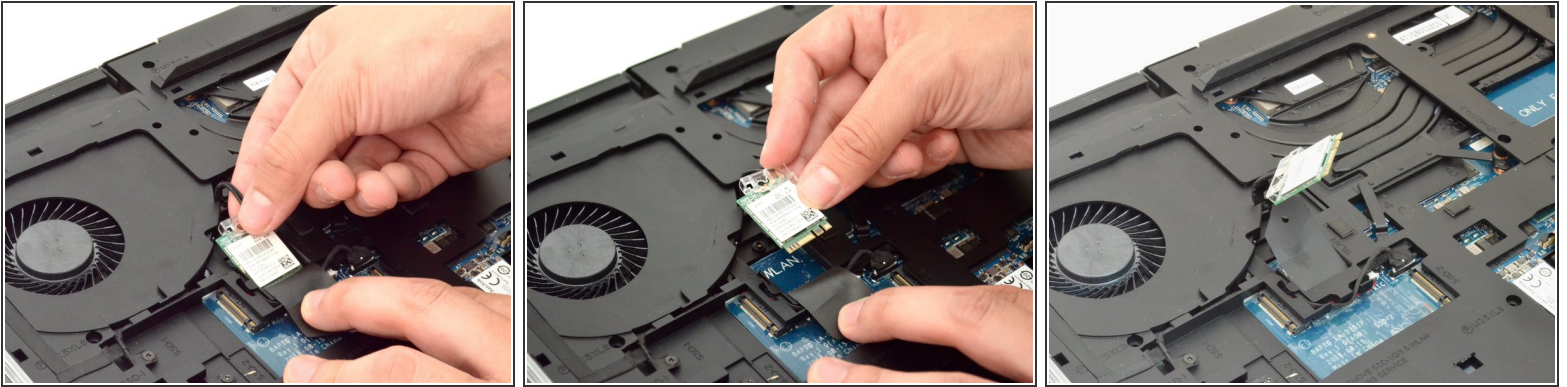
Step 9 — Wi-Fi card

- Locate the WI-FI card.

Step 10

- Peel back plastic cover of wi-fi card.

- Use a **PH1 screwdriver bit** and remove the **one M2x3 screw (1.9 mm)**

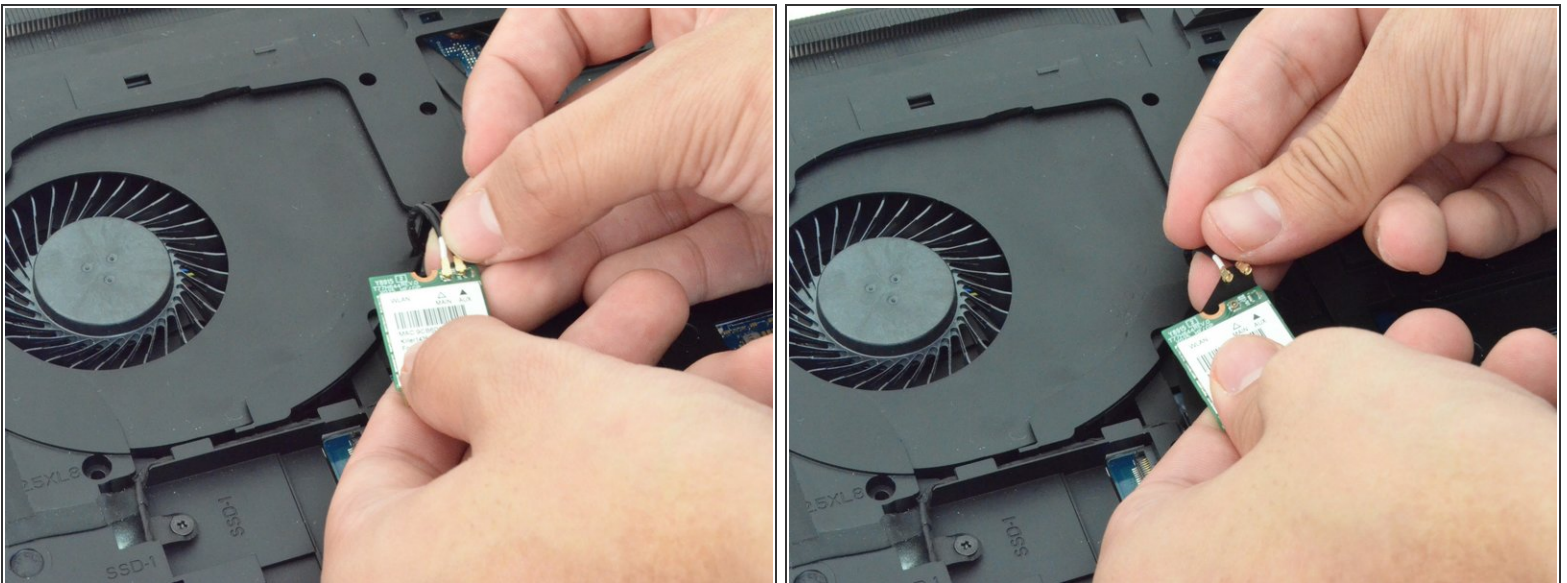This document was generated on 2019-11-14 05:19:21 AM (MST).

Step 11

- **Gently** undo the clips attached to the wi-fi card.

⚠ If the clip is not gently removed it is possible that the entire base will be torn off the wi-fi card. You will need to purchase a new wi-fi card if this occurs.
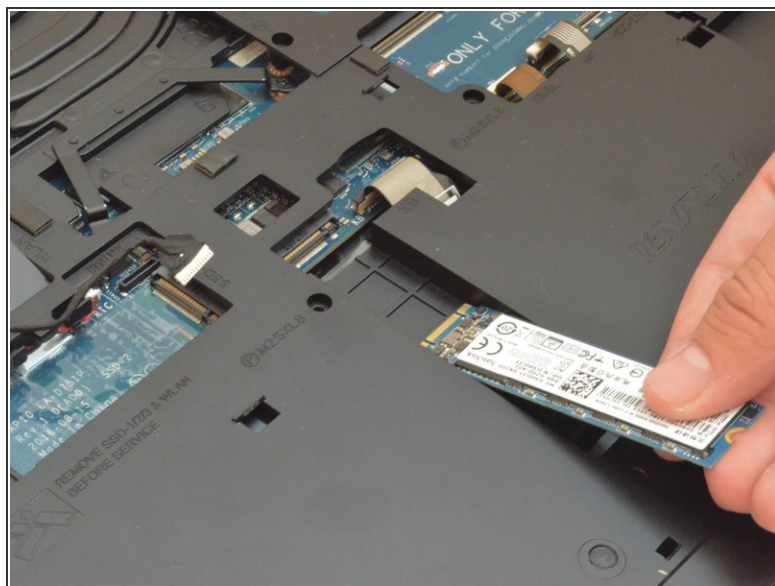
Step 12

- Locate the cables that connect the wi-fi card.

- Gently pull upwards to remove cables and slide the wi-fi card out from its slot.

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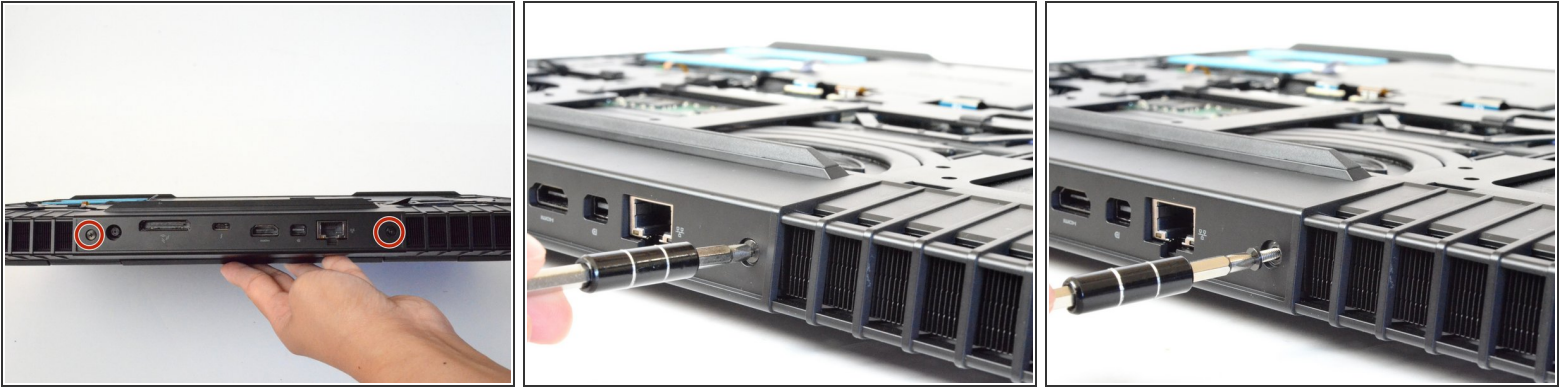
Step 13 — Solid State Drive
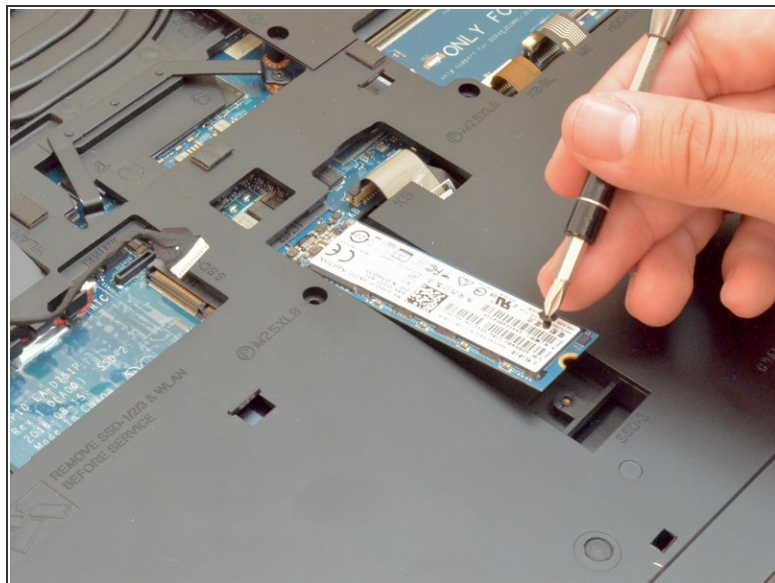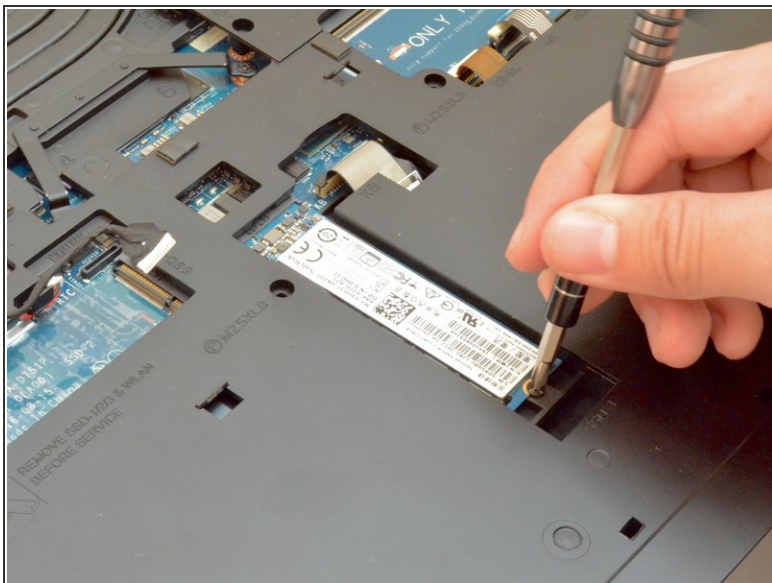
- Remove the **one M2x3 screw (1.9 mm)** using a **PH1 screwdriver bit**

Step 14

- Slide the solid state drive towards yourself to prevent damage to the card.

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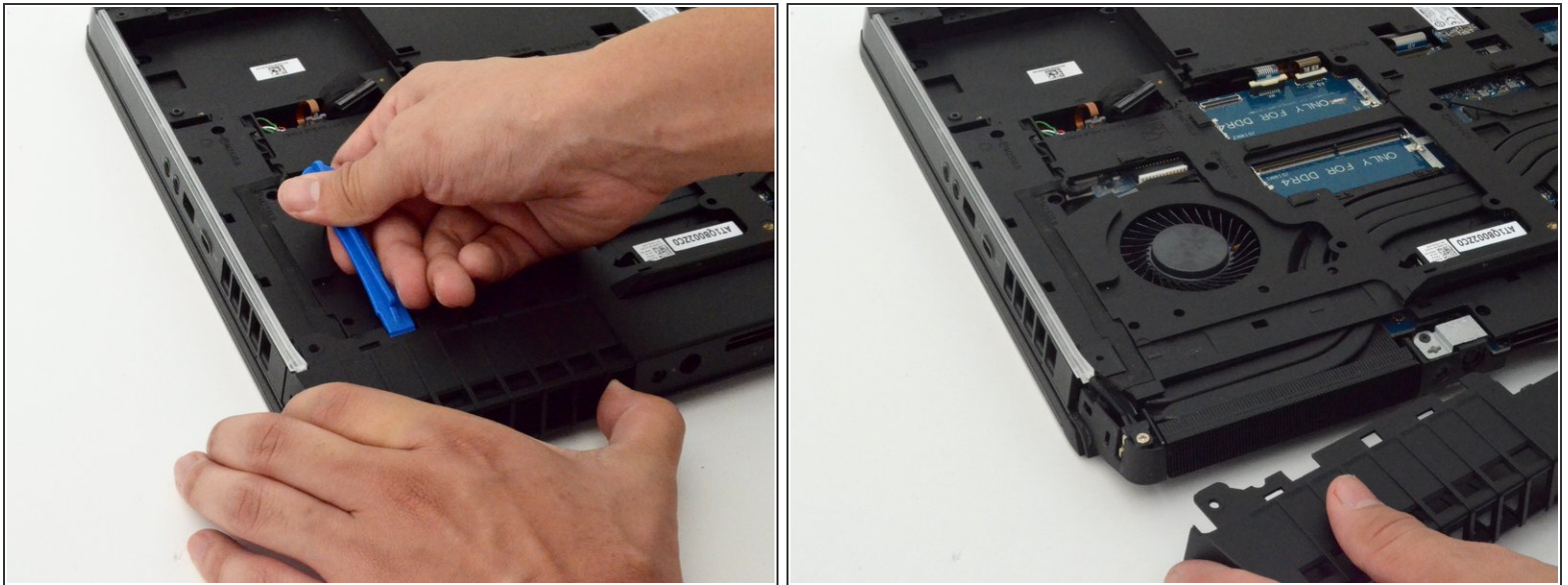
Step 15 — Fan Shroud

- Remove the **two M2.5x7 screws (2.44 mm)** located on the rear panel using a **PH1 screwdriver bi**t.

Step 16
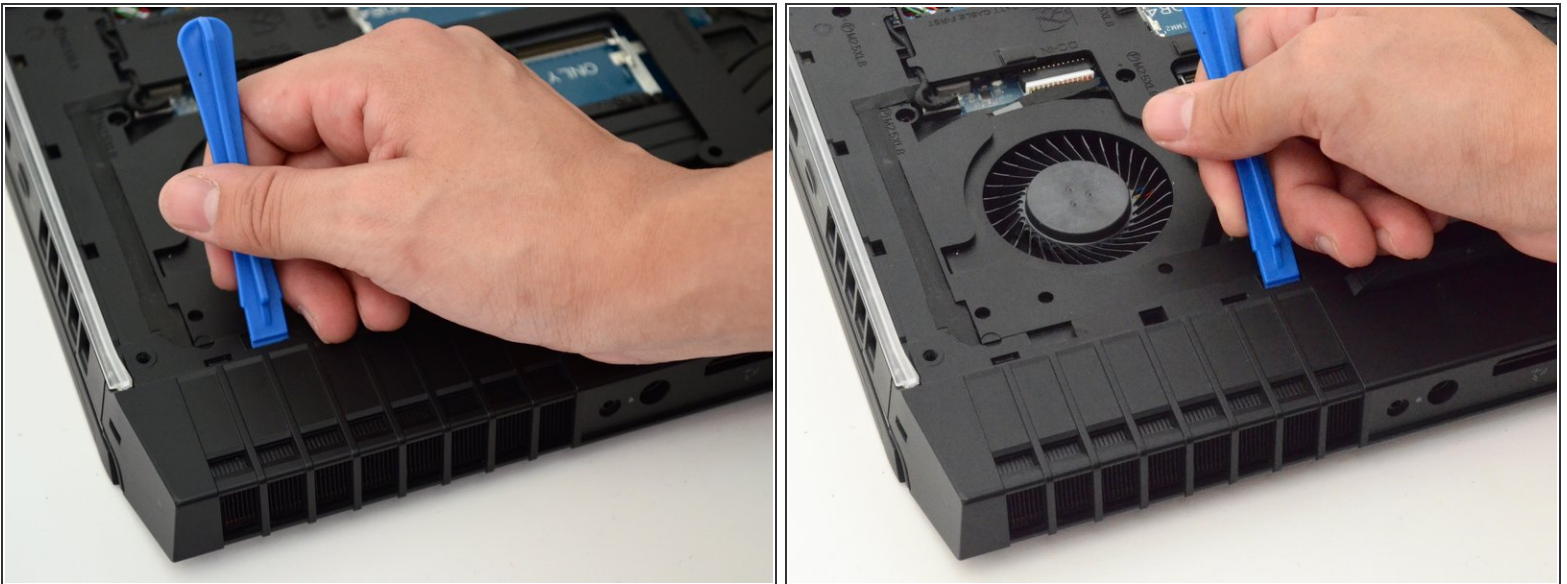
- Insert the **plastic opening tool** under the fan shroud to slowly lift it up.

- Repeat process on the middle and opposite side.

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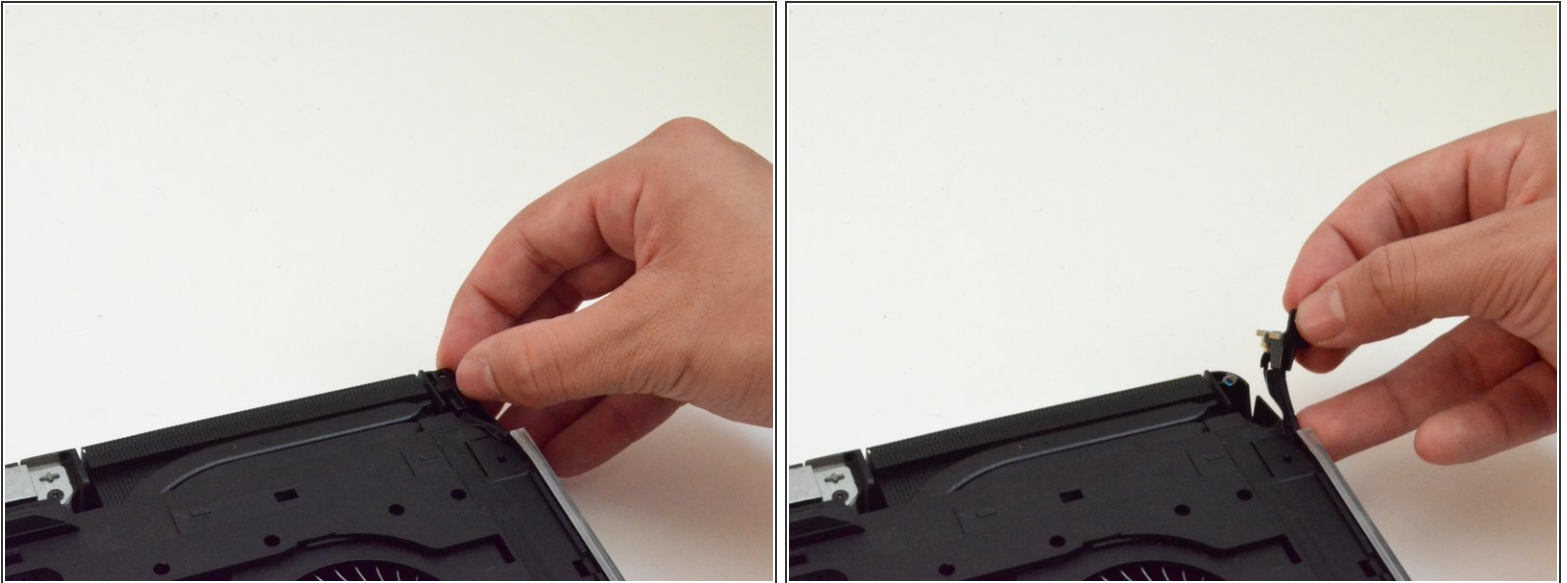
Step 17

- Firmly lift the **plastic opening tool** and pull the fan shroud towards you.

- (i) This will take a large amount of force and will not come out easily the first time.

- ⚠ Careful not to tear out the piece causing damage to the fan shroud
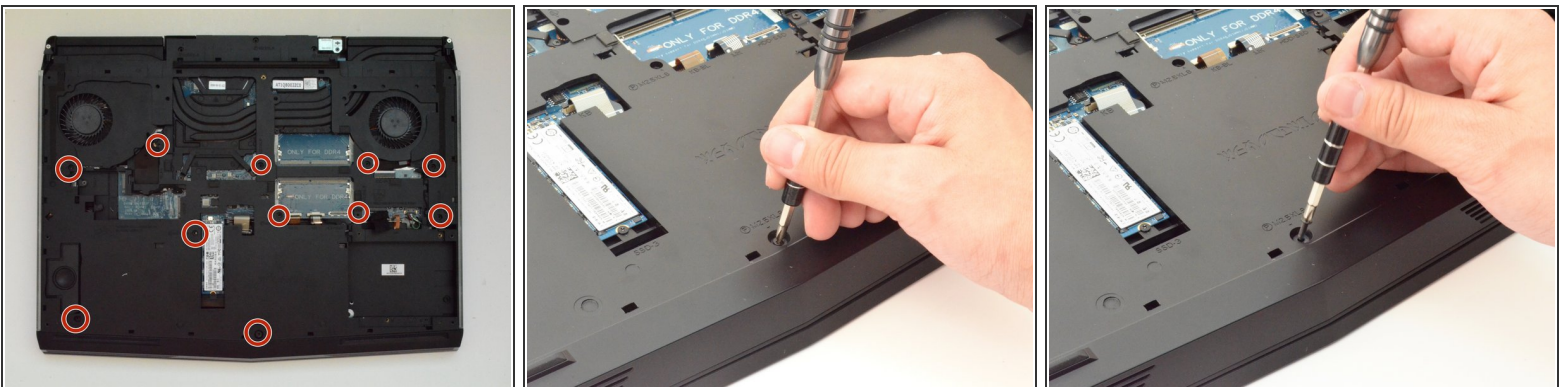
Step 18 — Plastic Cover

- Unscrew the **two M2x3 screws (1.9 mm)** at the top right and top left of the laptop that hold the tron lights in place.
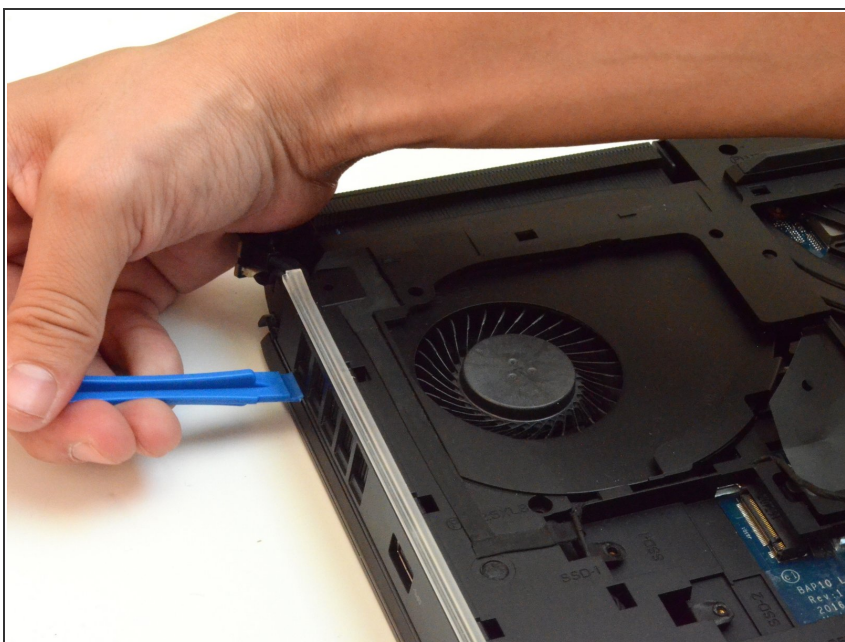
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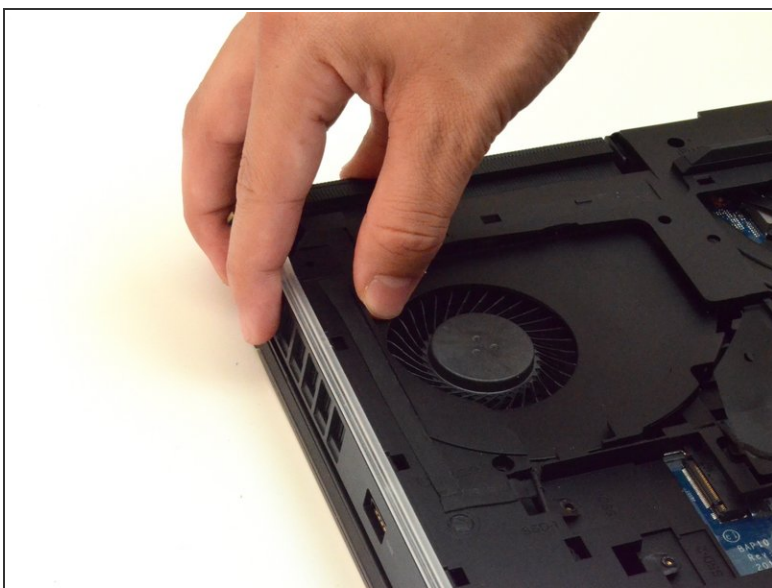
Step 19

- Follow the wiring to unplug the tron lights.

Step 20

- Remove **the fourteen M2.5XL8' screws (2.4 mm)** located in the plastic cover using the **PH1 screwdriver**.

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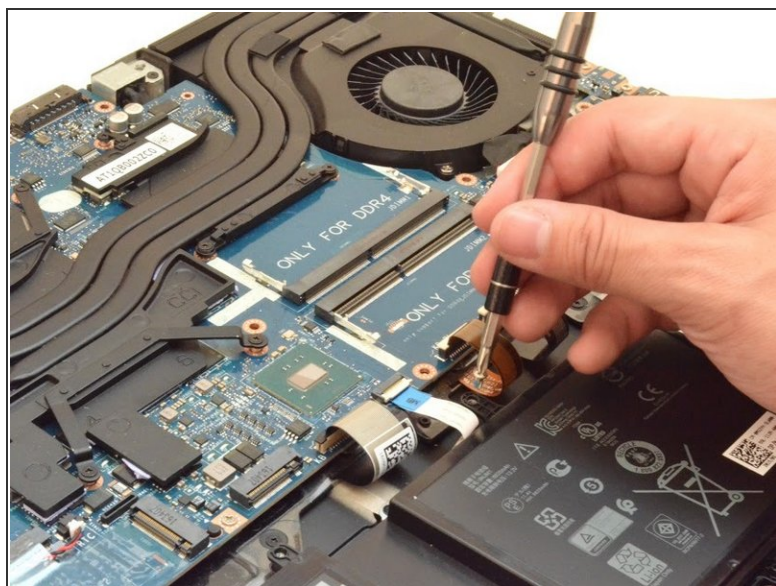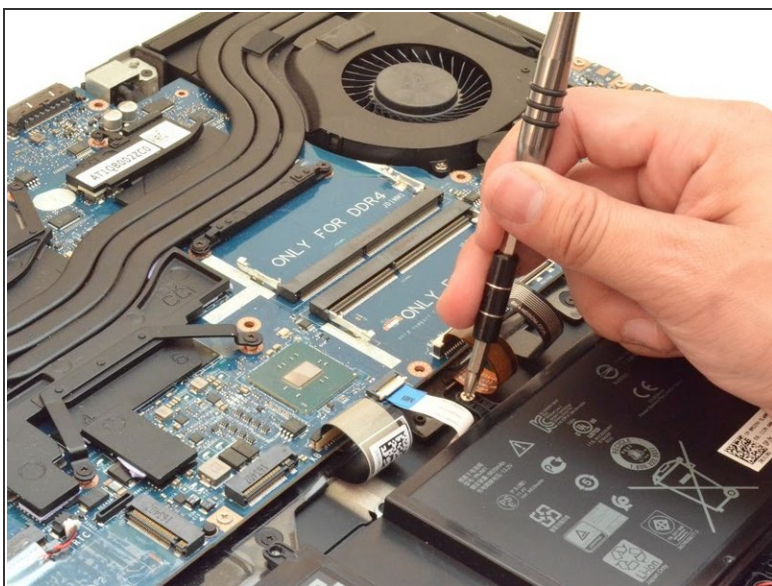
Step 21

- Use the **plastic opening tool** to gently lift the sides of the cover.

Step 22

- Slowly lift up the plastic cover.

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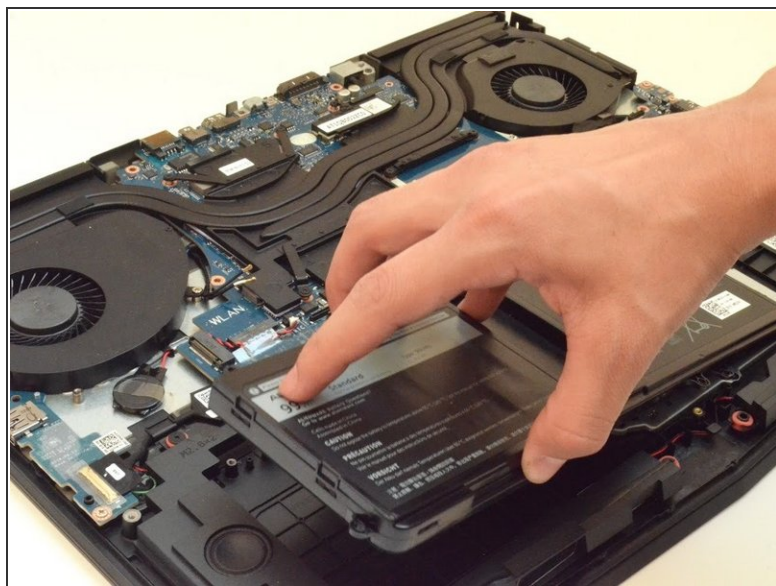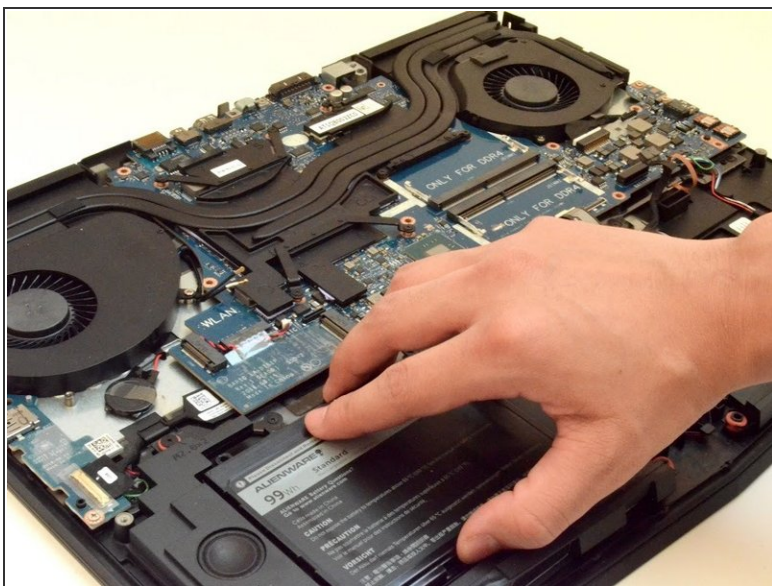
Step 23 — Battery

- Unscrew the **four M2.5 screws (2.4 mm)** with a **PH1 screwdriver bit**.

Step 24

- Lift the battery up to remove it.

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

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