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Disassembling Dell Vostro V13

A complete guide on how to remove/replace any part on a Dell Vostro V13

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INTRODUCTION

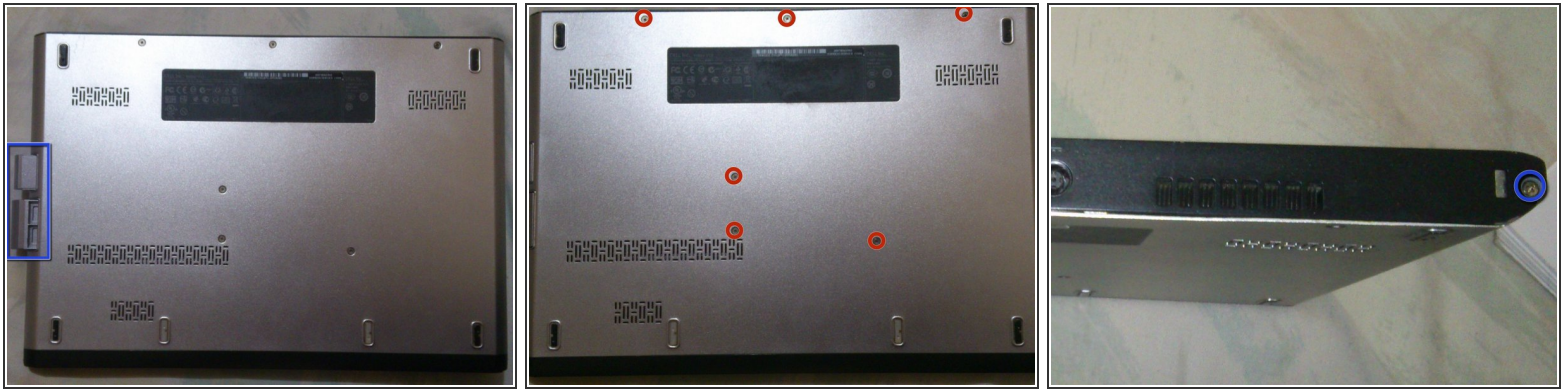Shows how to remove/replace any part on a Dell Vostro V13 laptop.

🔧 TOOLS:

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

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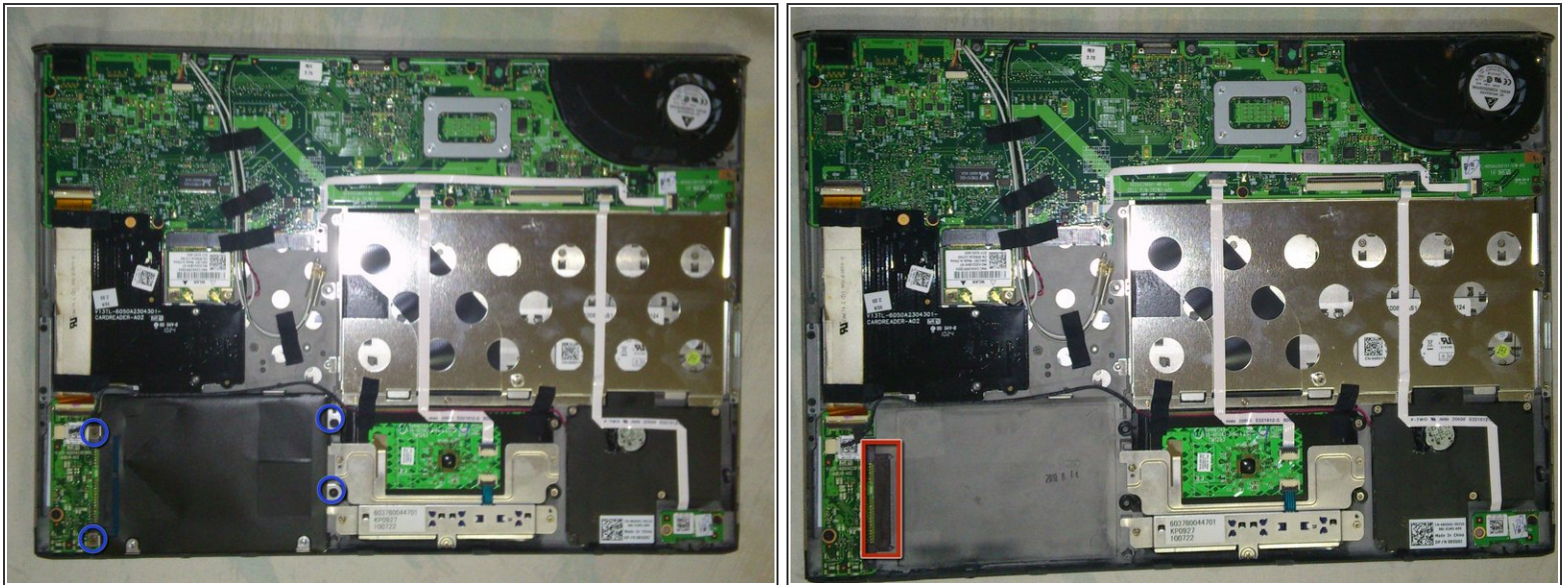## Step 1 — Disassembling any part from hard drive to motherboard

- Remove the two (2) dummy cards from the laptop.

- Using a Phillips head screwdriver, unscrew the six (6) screws from the bottom of the laptop.

- Unscrew the two (2) screws from the back of the laptop, located at the extreme left and right of the back panel.

- Slide bottom cover forward and lift upwards to remove. You may need to use a strong spudger to force a gap along the base edge from the ethernet port on the right, to the kensington port on the left.

Step 2

- Unscrew the four (4) screws from the battery.

- Carefully remove the battery connector. It is a ribbon cable that is clamped down. Flick the black clamp up using the edge nearest the battery. The ribbon cable is now free to move for the next step.

- Lift the battery upwards, to remove.

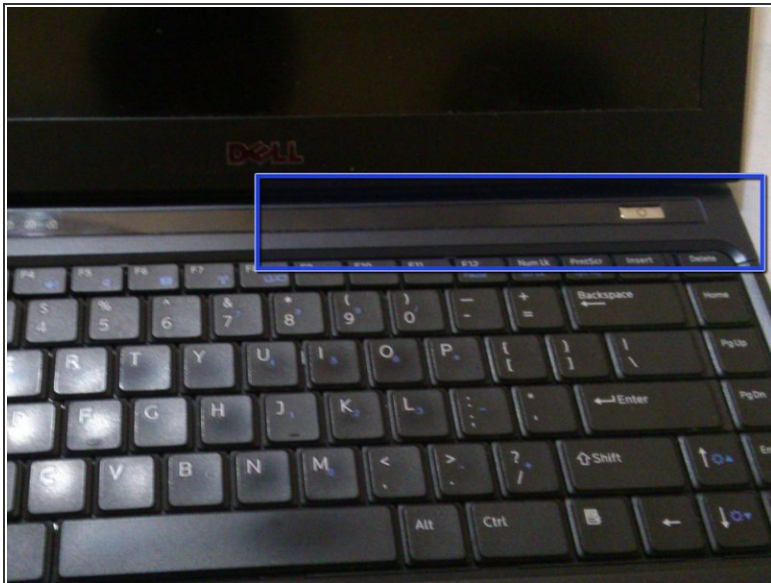This document was generated on 2019-09-19 01:33:58 AM (MST).

Step 3

- Unscrew the four (4) screws from the hard drive enclosure.

- Gently lift the hard drive at a small angle upwards and slide backwards to remove.

⚠️ To avoid damaging the port, GENTLY lift the hard drive at a SMALL angle upward, when removing it!
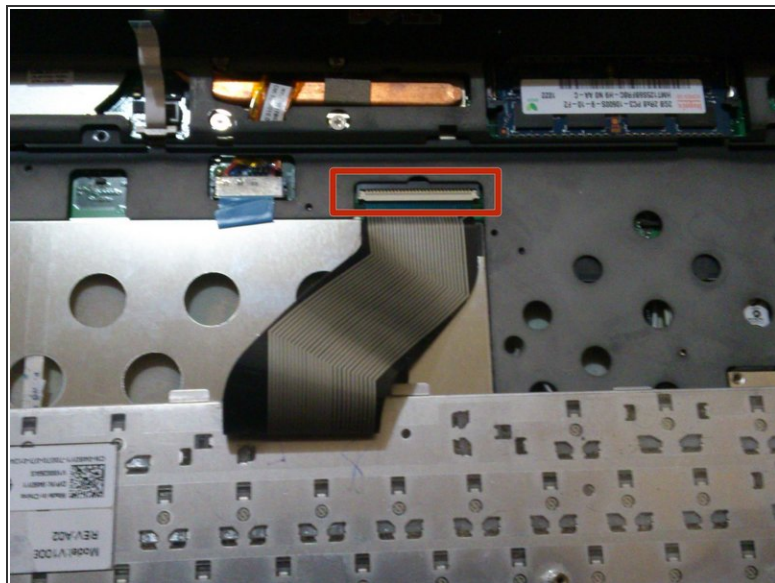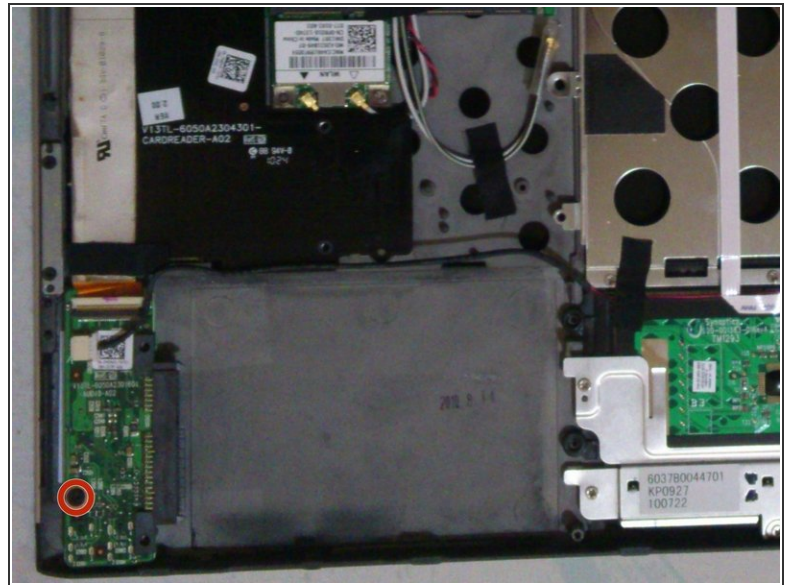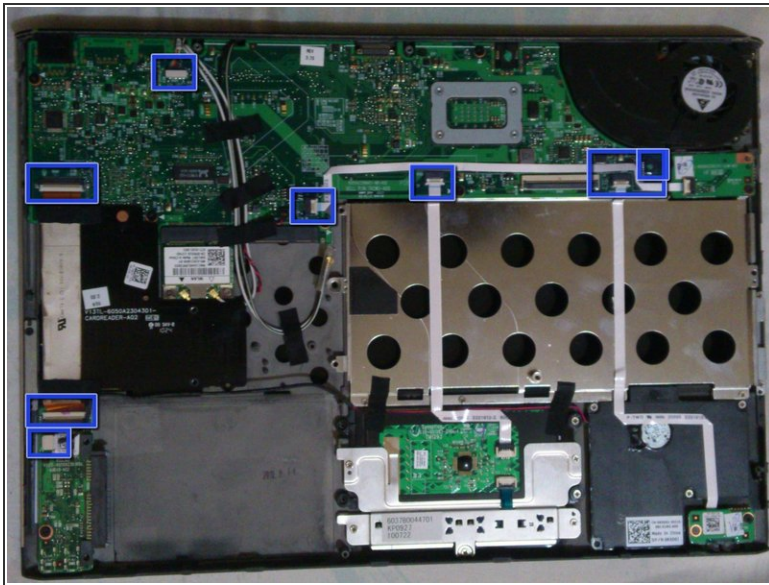
Step 4

- Using a plastic opening tool, pry open the top panel, with the power switch, starting with the right bottom edge closer to the keyboard.

- Unclip and remove the ribbon from the panel.

- ⚠ Always be careful when removing ribbons! Try not to unnecessarily bend them and pull them with excess force!

Step 5

- Unscrew the two (2) screws from the keyboard.

- Gently lift the keyboard upwards and push towards the screen to remove.

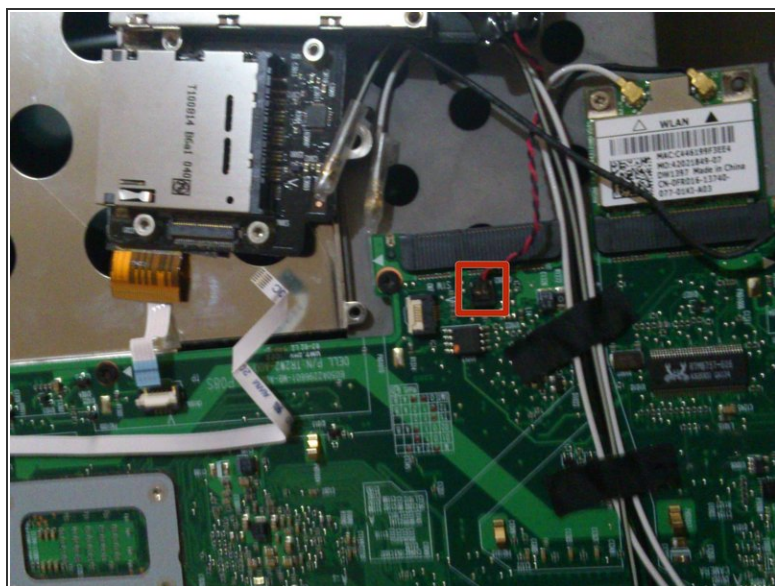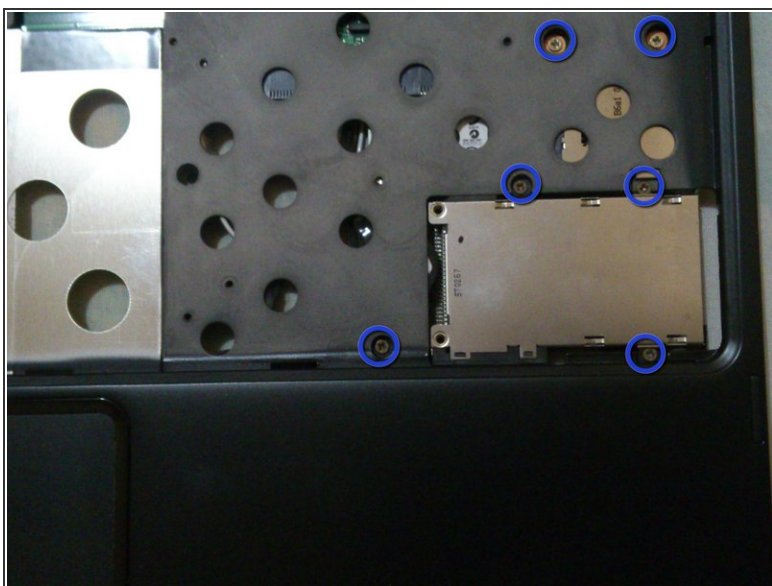- Remove the ribbon from the board.

Step 6

- Remove all the ribbons from the board.

- ⚠ Always be careful when removing ribbons! Try not to unnecessarily bend them and pull them with excess force!

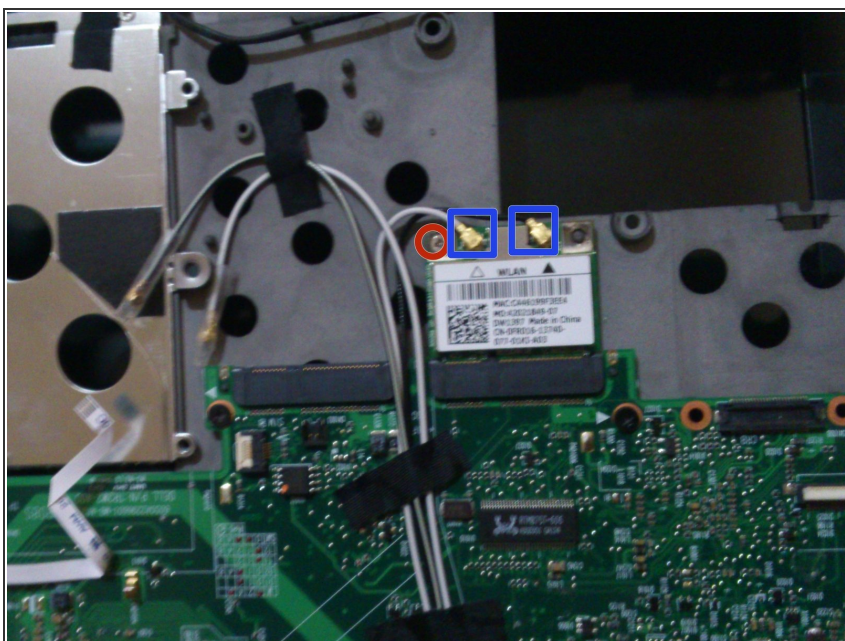- Unscrew the one (1) screw from the audio card and lift upward to remove.

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Step 7

- Unscrew the six (6) screws from the memory card reader.

- (i) Make sure that a hand is placed underneath to hold the memory hand reader while unscrewing, so it would not fall.

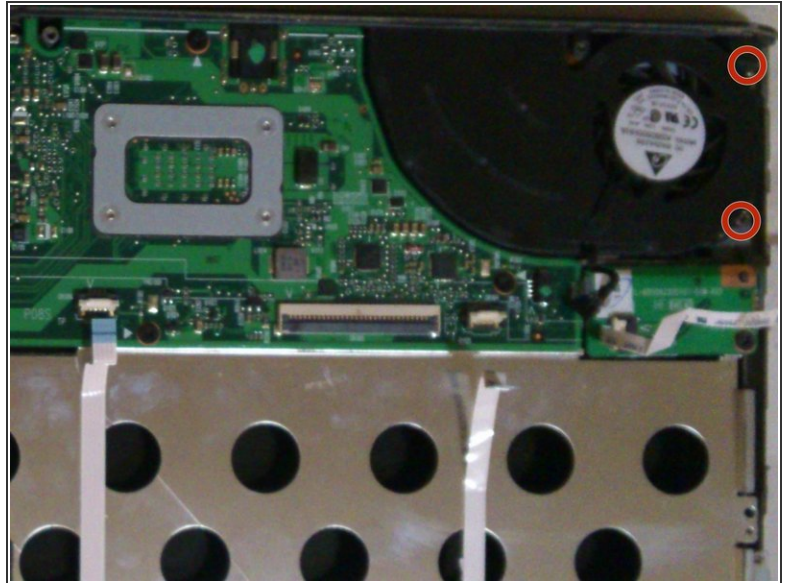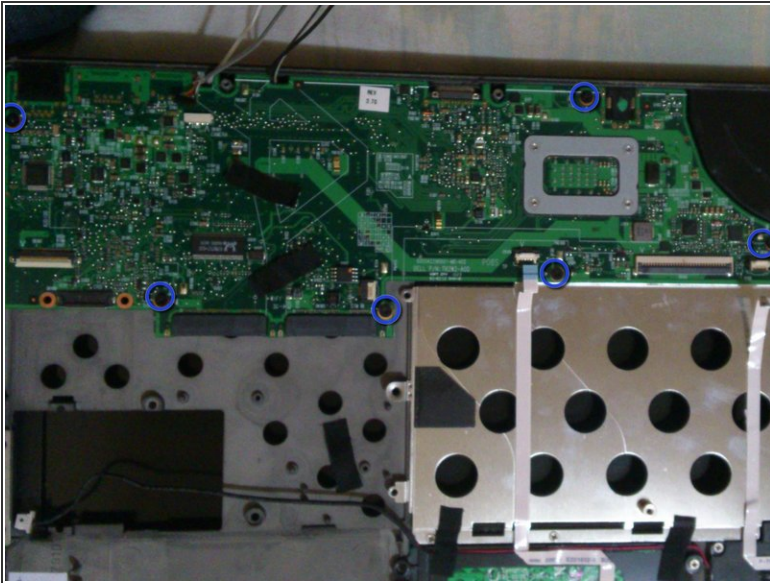- Remove the cable from the CMOS battery.

Step 8

- Using a small plastic opening tool, gently lift and remove the two (2) antenna cables from the wireless card.

- Unscrew the one (1) screw.

- (i) The wireless card should pop up.

- Gently slide the card forward to remove.

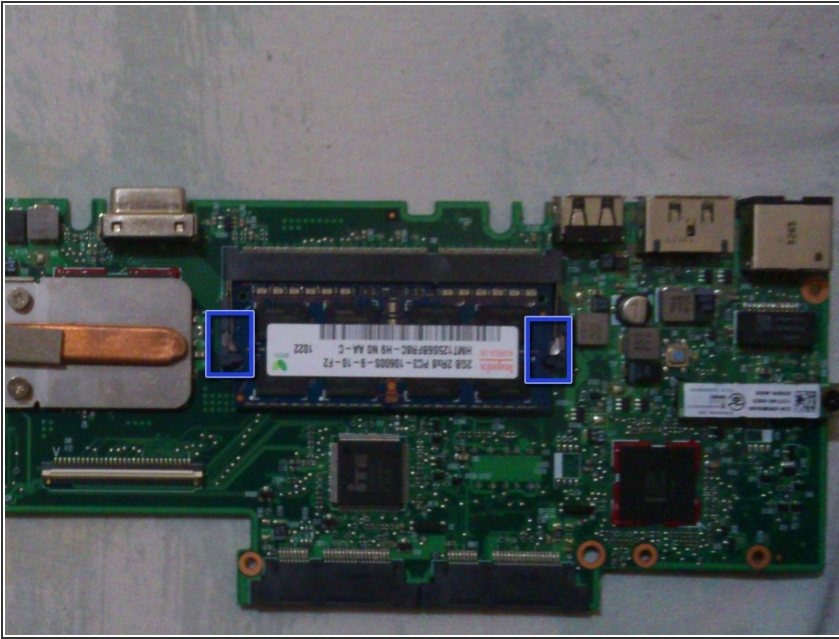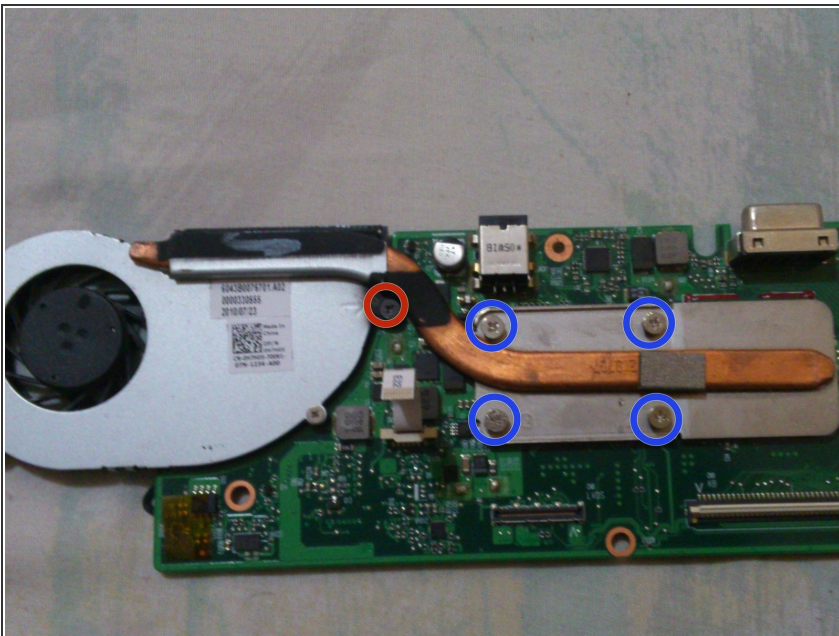This document was generated on 2019-09-19 01:33:58 AM (MST).

Step 9

- Unscrew the six (6) screws from the motherboard.

- Unscrew the two (2) screws from the fan.

- Gently lift the motherboard upward and then slide forward to remove.

⚠ Be extremely careful with the motherboard! Damage to any of the components on it would cause the laptop to malfunction!

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Step 10

- Press the two (2) metal clips on the side.

- (i) The RAM will pop up.

- Pull forward to remove.

Step 11

- Unscrew the four (4) screws from the heat sink.

- Unscrew the one (1) screw from the fan.

- Pull the heat sink with the fan upward to remove.

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

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