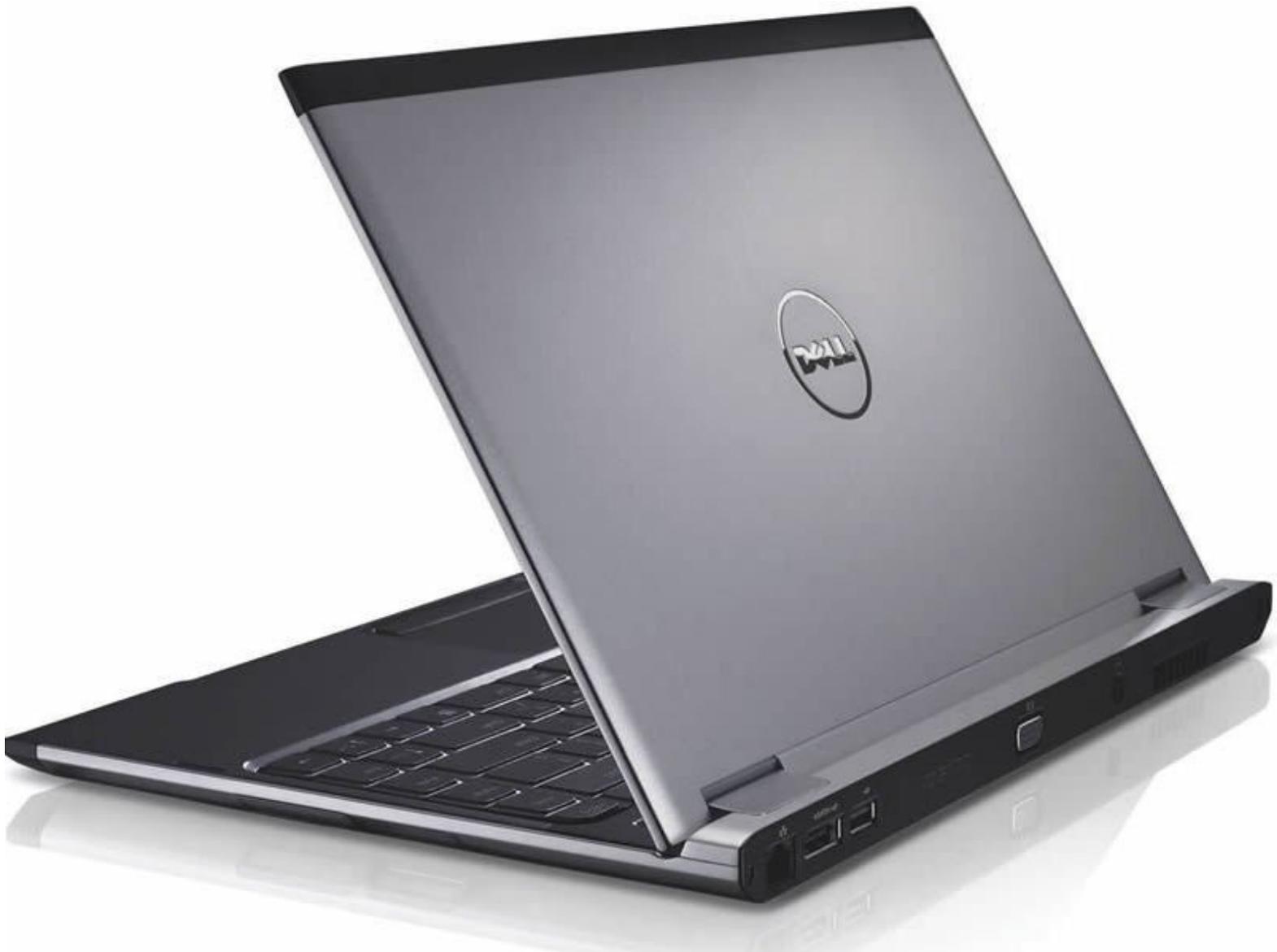




# Dell Vostro V13 Disassembly

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

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## INTRODUCTION

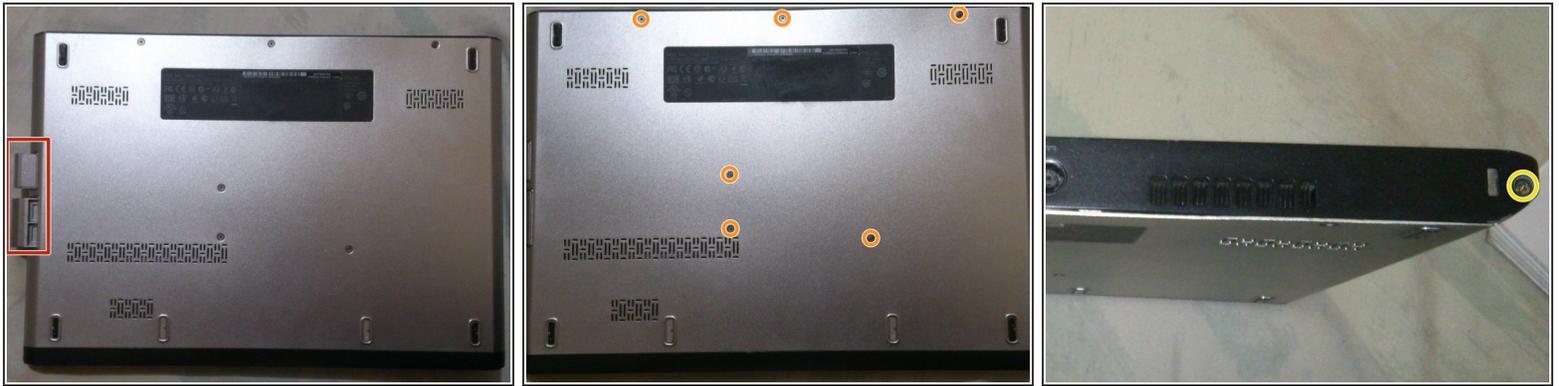
This guide explains how to remove/replace any part on a Dell Vostro V13 laptop by describing a complete tear-down. Any screwdriver of size *PH00* to *PH1* will work with the screws on this laptop.

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### TOOLS:

- [Phillips #1 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
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## Step 1 — Dell Vostro V13 Disassembly



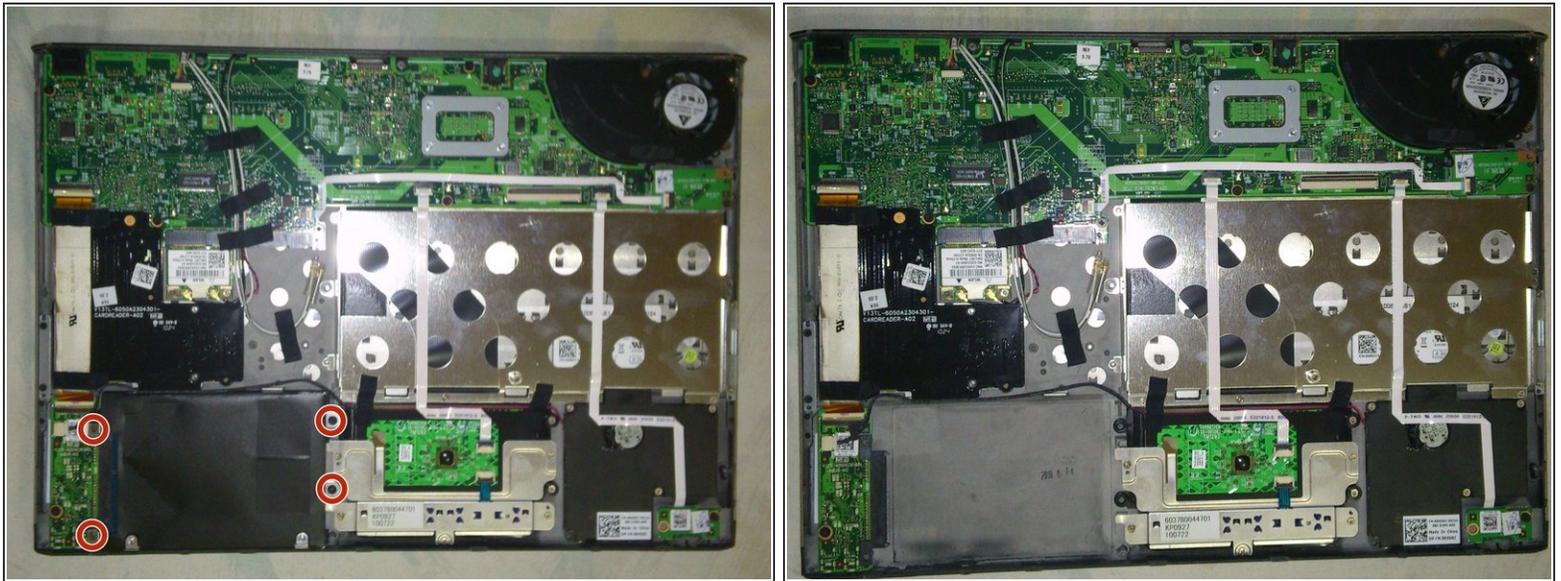
- Remove the two plastic dummy cards from the laptop.
- Unscrew the six PH00 screws from the bottom of the laptop.
- Unscrew the two PH00 screws from the back of the laptop, located at the extreme left and right of the back panel.
- Slide the bottom cover forward and lift it upwards to remove.
- ⓘ You may need to use a strong spudger to create a gap along the base edge - starting from the Ethernet port on the right toward the Kensington port on the left.

## Step 2



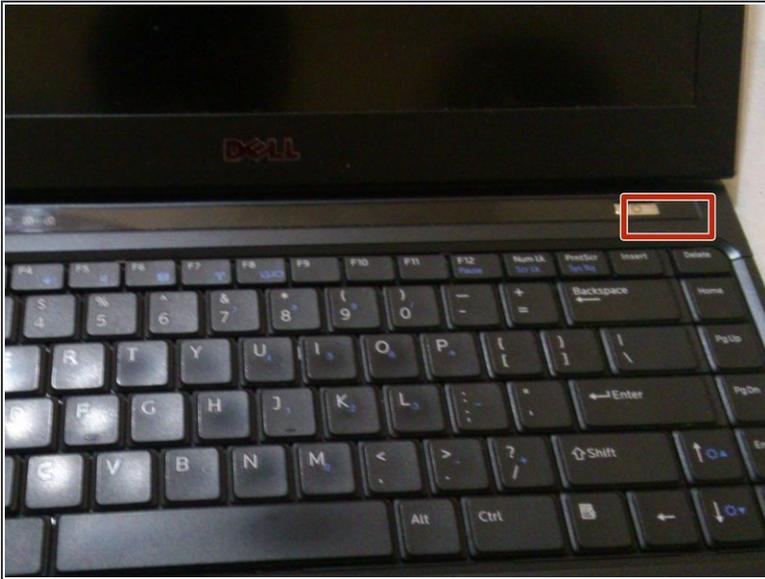
- Carefully remove the battery connector. It is a ribbon cable that is clamped down. Flick the black clamp up using the edge nearest the battery. The ribbon cable is now free to move for the next step.
- Unscrew the four PH00 screws from the battery.
- Lift the battery upwards to remove it.

## Step 3



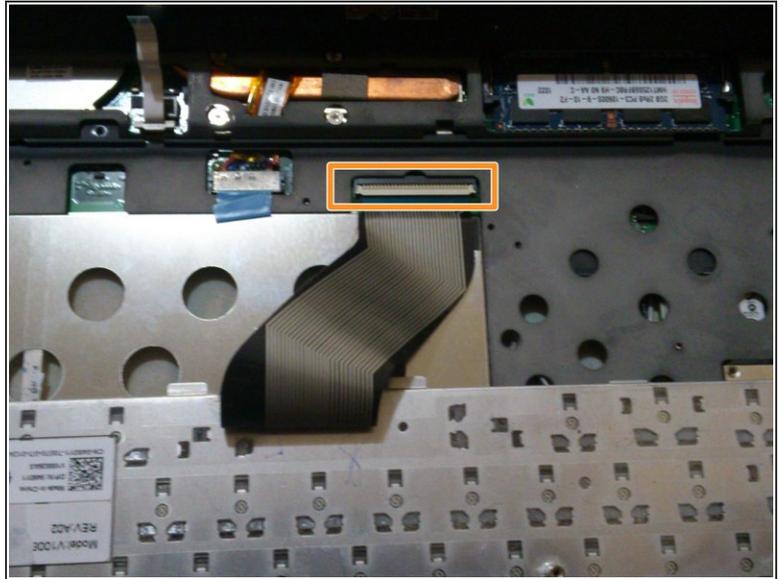
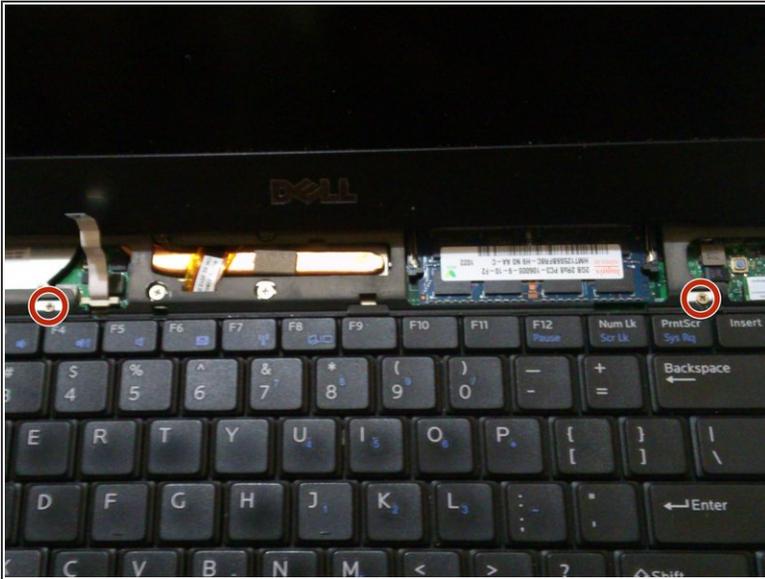
- Unscrew the four PH00 screws from the hard drive enclosure.
- To remove the hard drive, gently lift the drive to a shallow upward angle and carefully slide it to the right.
- ⚠ To avoid damaging the SATA port, lift the hard drive to a very small angle while removing it!

## Step 4



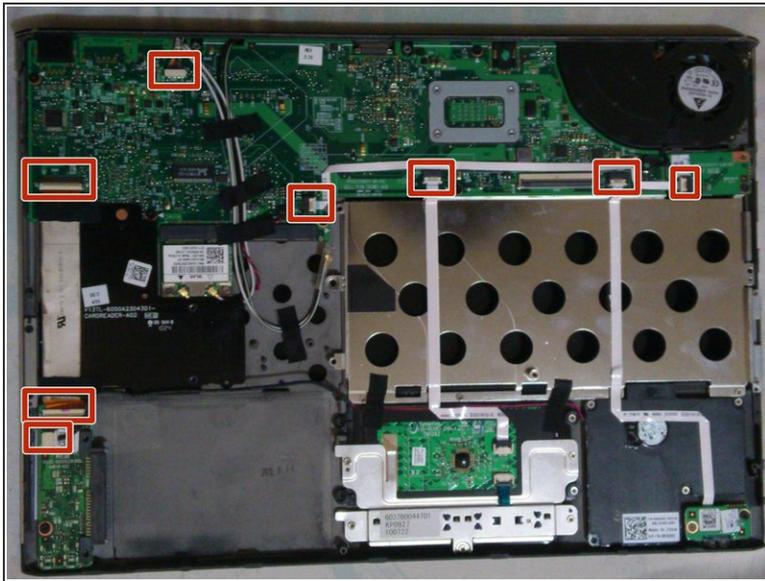
- Using a plastic opening tool, pry open the top panel containing the power switch. Start with the bottom-right edge closest to the keyboard.
  - Unclip and remove the ribbon from the panel.
- ⚠ Always be careful when removing ribbon cables! Try not to bend them unnecessarily. Do not pull them with excess force.

## Step 5



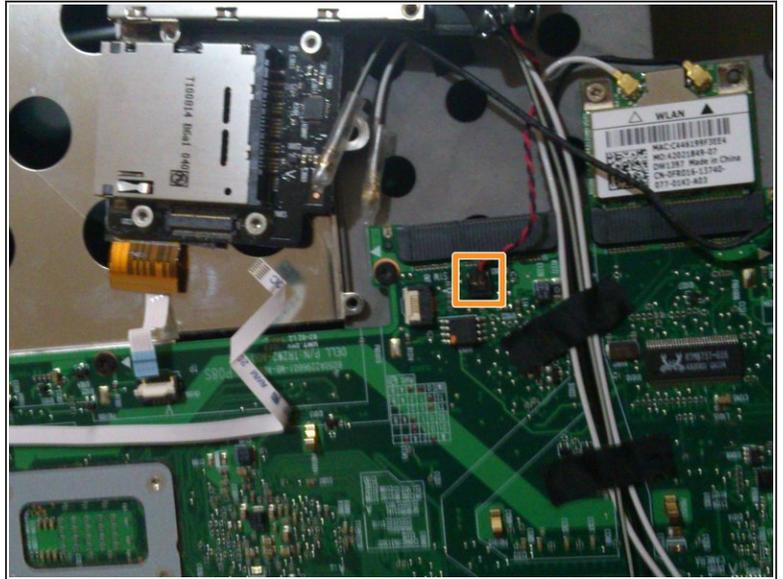
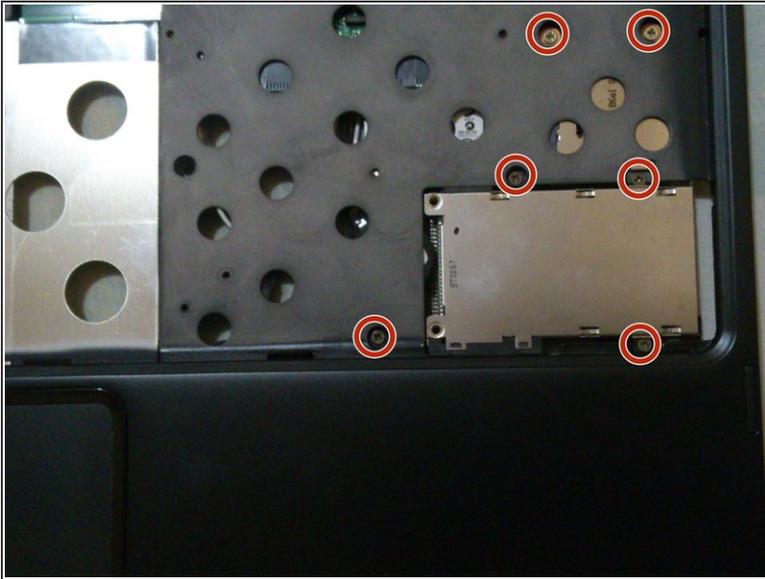
- Remove the two PH00 screws from the keyboard.
- Gently lift the keyboard upwards and push it towards the screen to remove.
- Remove the ribbon cable from underneath the keyboard.

## Step 6



- Remove all of the ribbon cables from the motherboard.
  - ⚠ Always be careful when removing ribbon cables! Try not to bend them unnecessarily. Do not pull them with excess force.
- Take out the one screw from the audio card and then lift upward to remove.

## Step 7



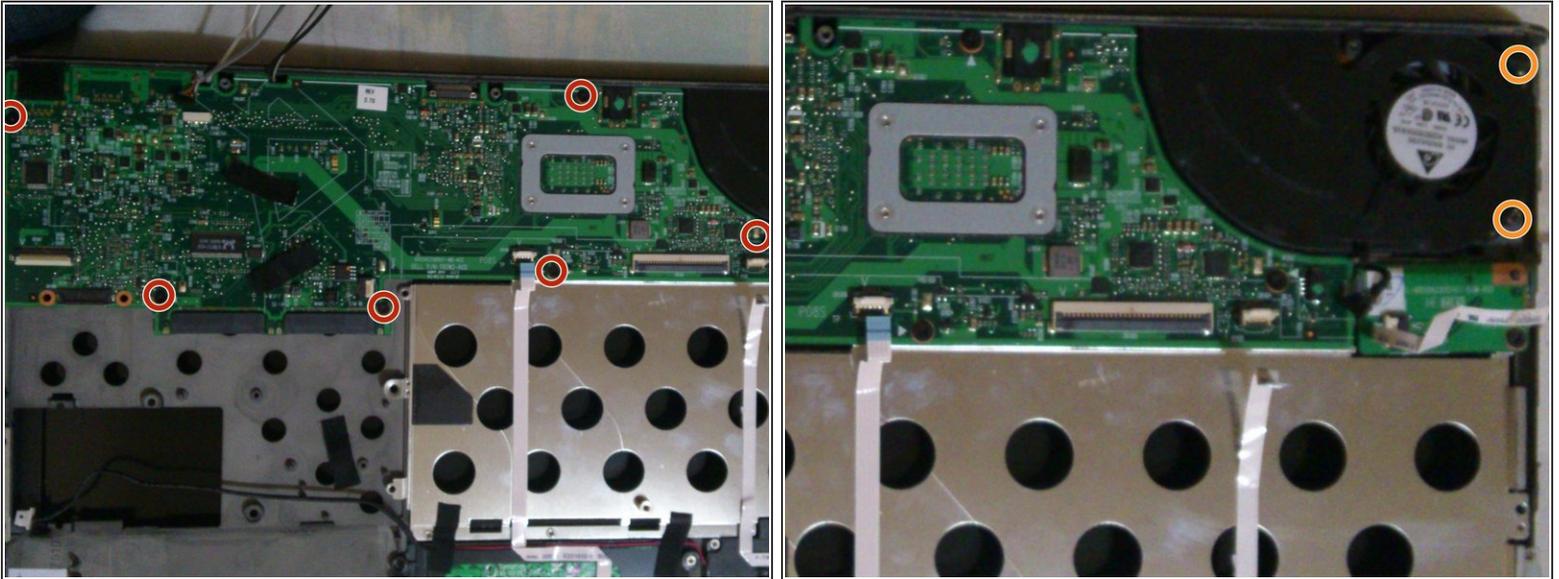
- Unscrew the six PH00 screws from the memory card reader.
- ⓘ Place a hand underneath the memory card reader while unscrewing it so that it doesn't fall out.
- Remove the CMOS battery cable from the motherboard.

## Step 8



- Using a small plastic opening tool, gently lift and remove the two antenna cables from the wireless card.
- Unscrew the one tiny screw securing the wireless card.
- ⓘ The wireless card should pop up.
- Gently slide the card forward to remove it.

## Step 9



- Remove all six screws from the motherboard.
  - Unscrew the two PH00 screws from the cooling fan.
  - Gently lift the motherboard upward and then slide it forward to remove.
- ⚠ Be extremely careful with the motherboard!

## Step 10



- Push the two metal clips on either side of the RAM outward; the memory chip will pop up.
- Pull the memory down from the slot to remove it.

## Step 11



- Unscrew the four PH1 screws from the heatsink.
- You may also need to remove the screw on the fan shroud.
- Pull the heatsink and the fan upward to remove both.

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