![iFixit logo]

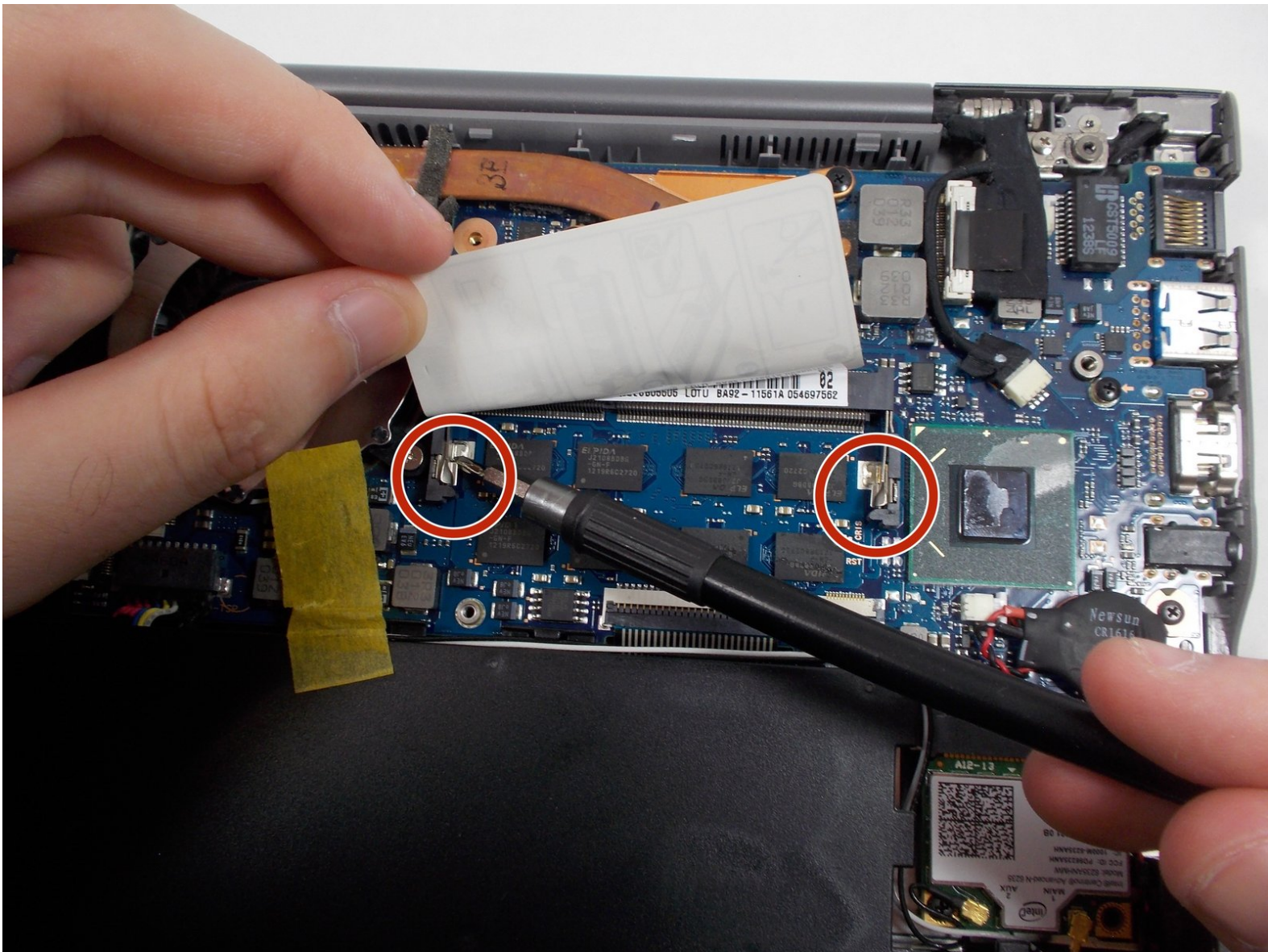# Samsung NP540U3C-A02UB RAM Replacement

This guide covers how to replace the RAM for...

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INTRODUCTION

This guide covers how to replace the RAM for the Samsung Series 5 NP540U3C-A02UB.

The RAM provides memory to the laptop while running the operating system and its many applications. Such memory is essential for allowing the laptop to complete many tasks such as loading applications, editing spreadsheets, and browsing the Internet. Damage to the laptop's RAM may result in a slow operating system or crashing. If you are experiencing these issues, see our troubleshooting guide for possible causes and solutions before attempting to replace the RAM.

Free diagnostic programs available via the Internet can detect if crashes are a result of RAM issues, or some other cause. If a replacement is necessary, the laptop uses SODIMM DDR3 RAM running at a speed of 1600 MHz. Ensure that any RAM purchased meets these specifications. Compatible RAM is attached below.

It should be noted that the laptop comes with 4 GB of soldered RAM on the motherboard which cannot be removed. An additional 4 GB of RAM can be added and replaced.

TOOLS:

- Phillips #00 Screwdriver (1)
- iFixit Opening Tool (1)

PARTS:

- 2.5" SATA Hard Drive (1)
- PC3L-12800 4 GB RAM Chip (1)

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Step 1 — Hard Drive

- ⓘ Turn off the laptop before beginning disassembly and unplug it from the power cord.
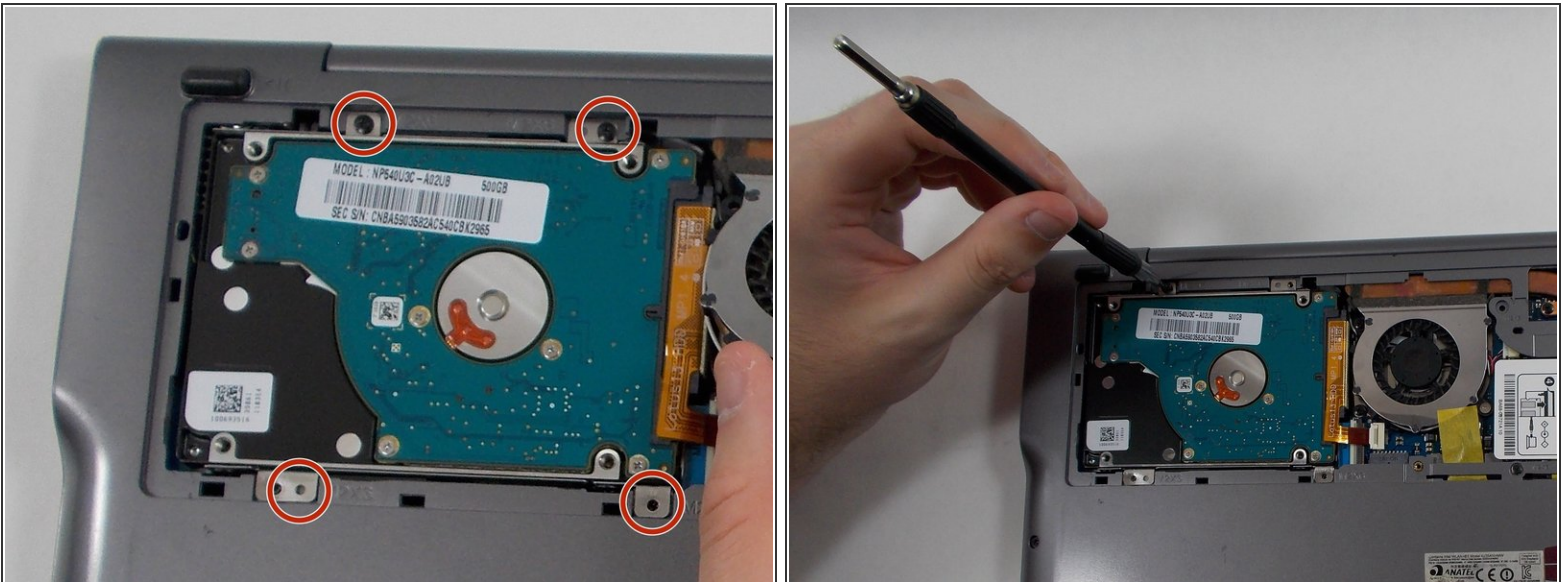
- ● Place the laptop flat with its bottom facing up.

Step 2

- ● Remove one 4 mm Phillips #00 screw labeled "HDD Memory".
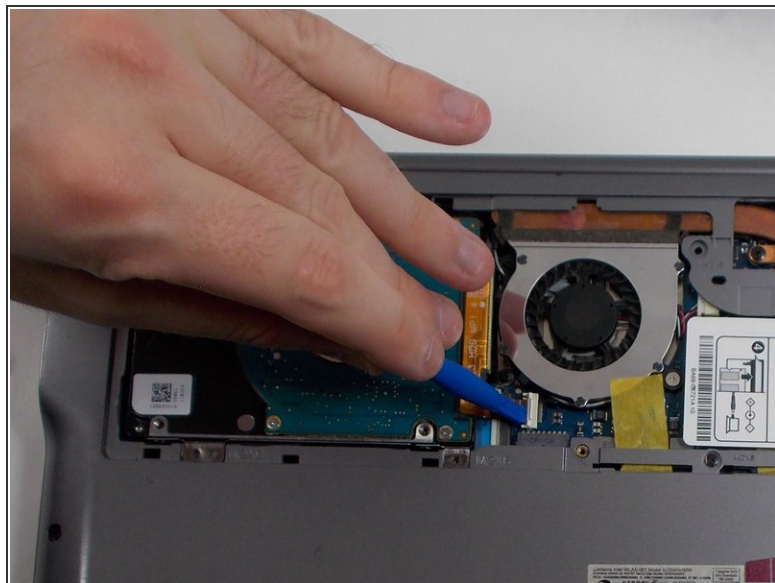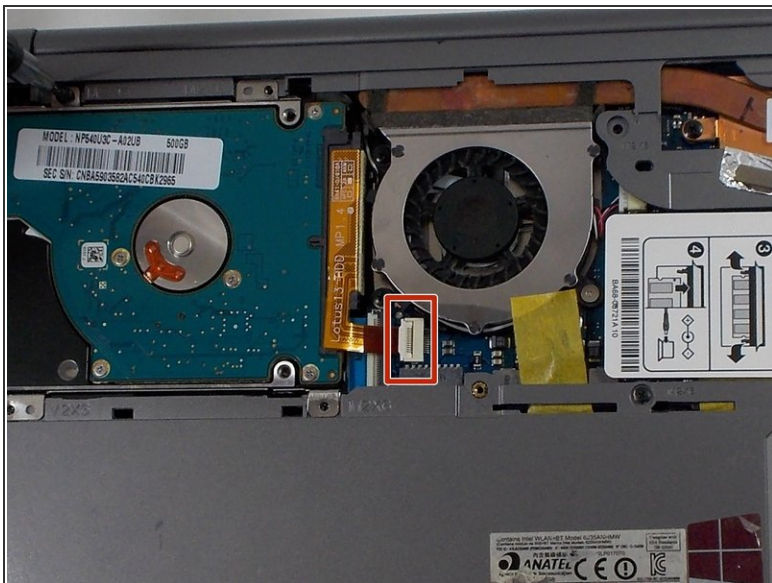
www.iFixit.com

Step 3

- Gently release the 3 clips holding the HDD cover with the plastic opening tool.
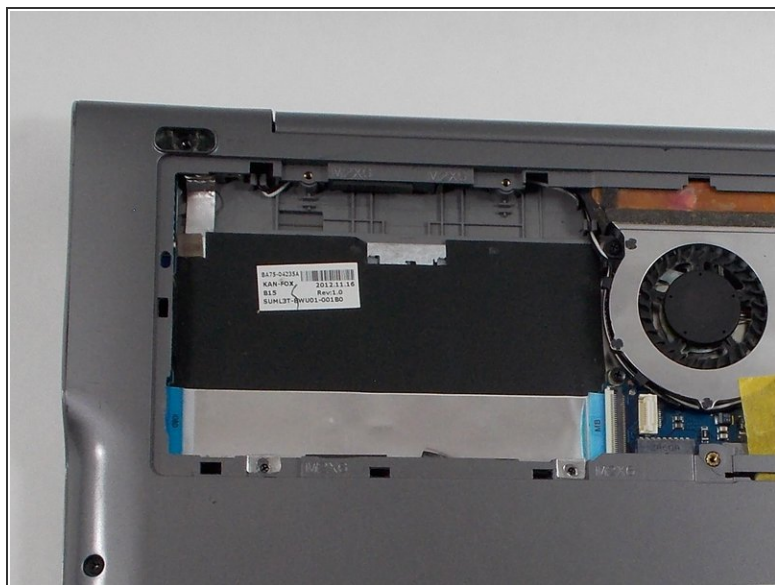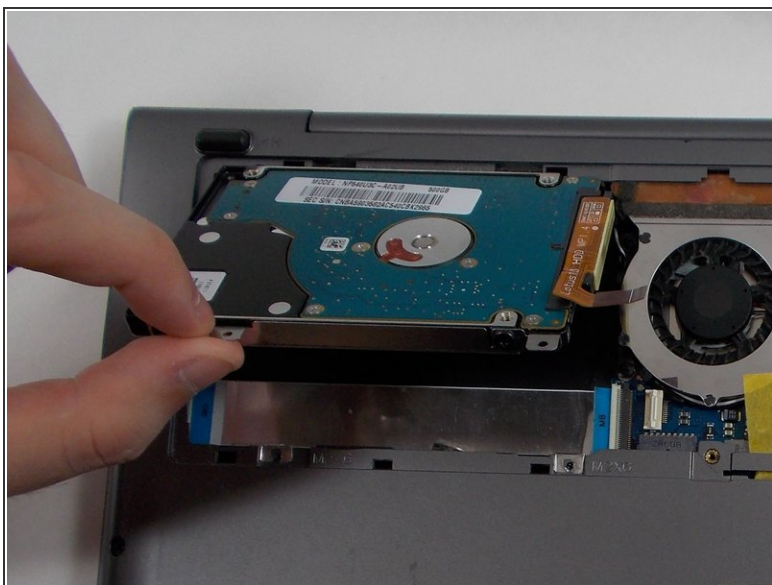
- Remove the HDD cover from the device.

Step 4

- Remove the four 6 mm Phillips #00 screws attaching the hard drive to the case.

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Step 5

- Using the plastic opening tool, push the hard drive connector clip upwards in order to release the cable.

Step 6

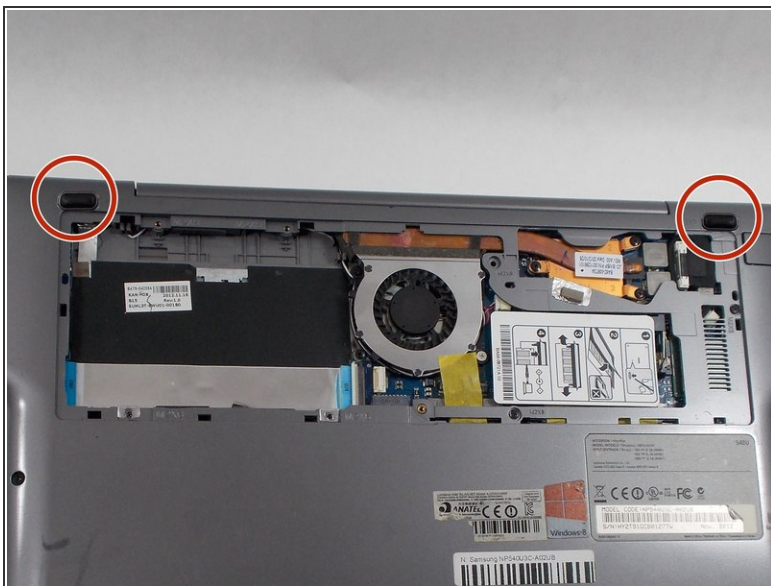- Remove the hard drive from the case.

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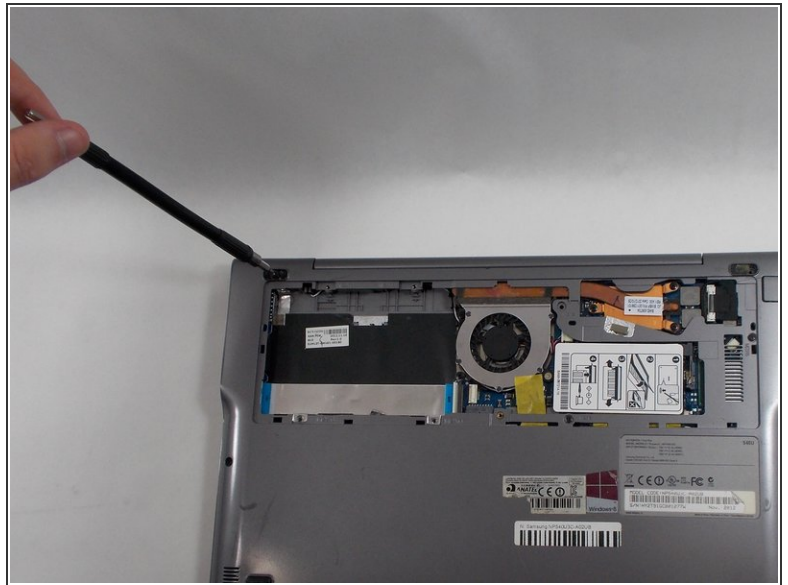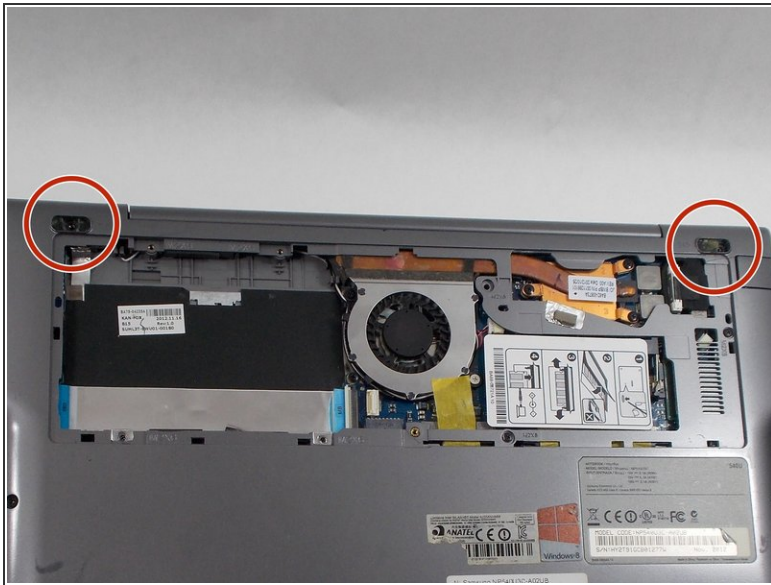
Step 7 — RAM

- Remove the following screws holding the case together:
  - 6x 4mm Phillips #00 screws.
  - 3x 6mm Phillips #00 screws.

Step 8

- Using the opening tool, remove the two rubber pads just above the hard drive cover.
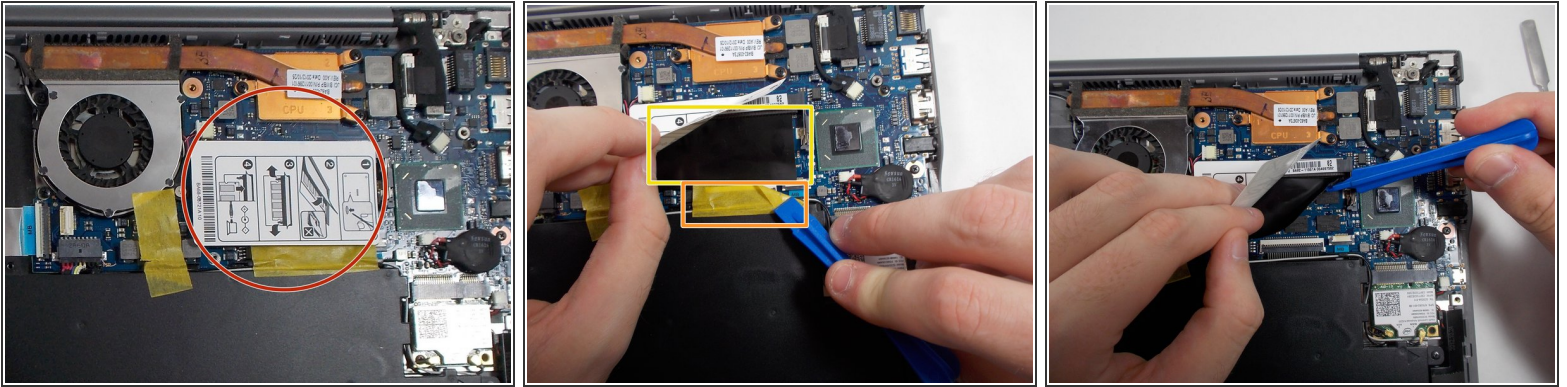
Step 9

- Remove the two 4mm Phillips #00 screws formerly concealed by the pads.
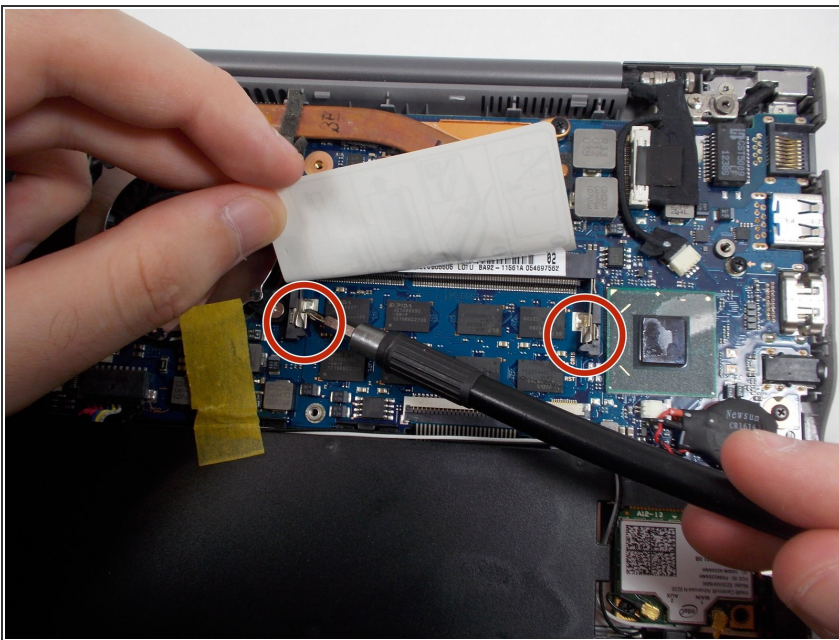
Step 10

- Using the plastic opening tool, gently lift and remove the back cover.

  ⚠️ *There are clips along the edges of the back cover that hold it in place. Be careful not to break these.*

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Step 11

- Lift up the white instruction guide with your hand to expose the RAM module underneath.

- Using the plastic opening tool or your hand, peel off the yellow tape.

- Using the plastic opening tool or your hand, gently remove the black cover that lays on top of the RAM.

Step 12

- ⓘ Additional RAM can be added or removed on top of the 4 GB RAM that comes with the laptop.

- The new RAM chip slides on top in-between the brackets.

- ⓘ The 4 GB RAM that initially comes with the laptop can not be removed.

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

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