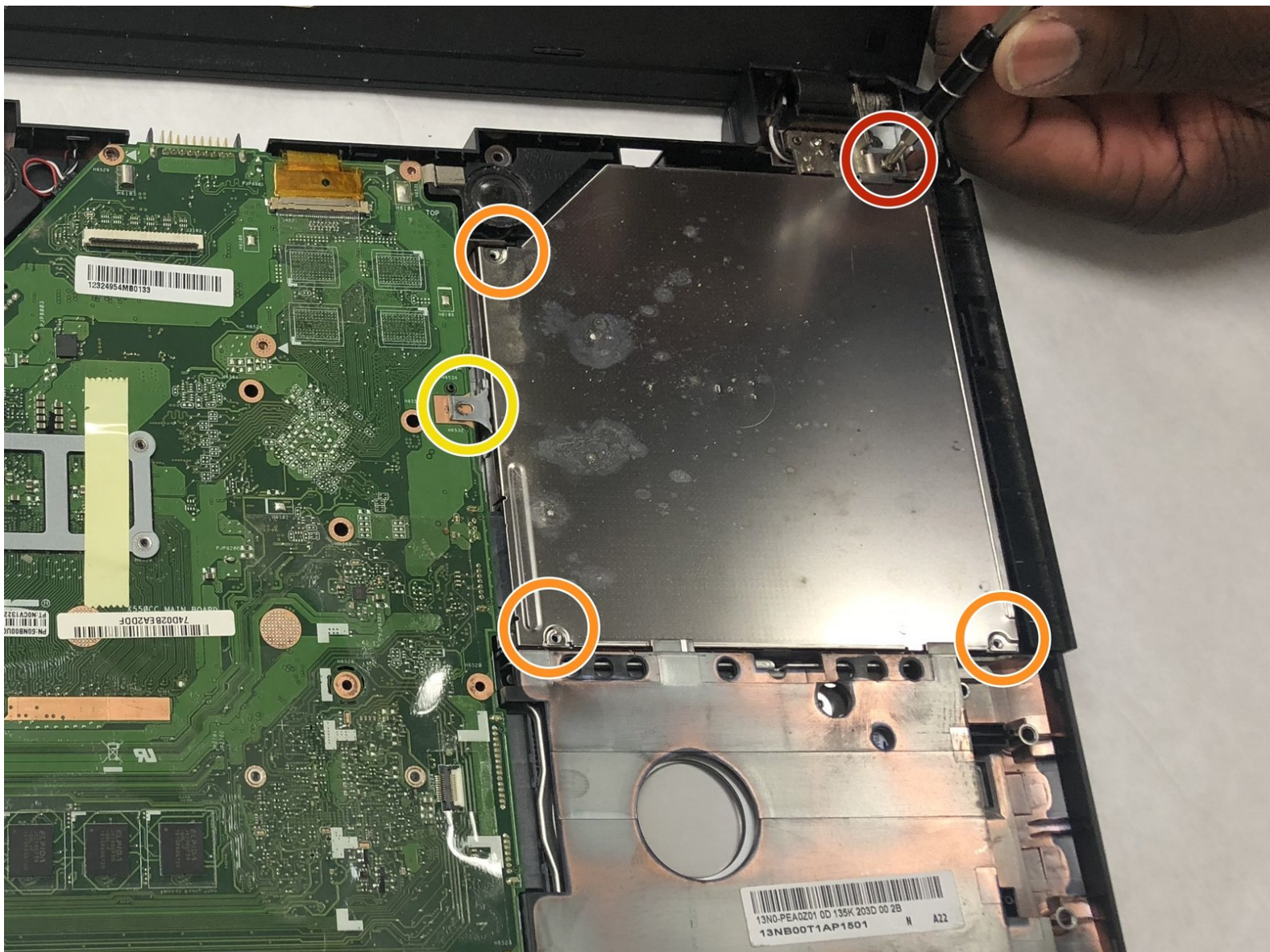# Asus R510CA-OB01 Optical Drive Replacement

Replacement guide for Asus R510CA-OB01 optical drive.

Written By: Mame

INTRODUCTION

If your DVD drive (optical drive) is known to not be working, you can use this guide to replace it.

🔧 TOOLS:

- Phillips #0 Screwdriver (1)
- Phillips #1 Screwdriver (1)
- Phillips #00 Screwdriver (1)
- iFixit Opening Tools (1)

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Step 1 — Keyboard and Mousepad

- Shut down the computer and disconnect all external devices connected to it.

- Turn the computers that it is upside down. Position the computer with the front towards you.

Step 2

- After detaching the battery, remove the two 5mm screws holding down the casing using a Phillips #00 screwdriver.

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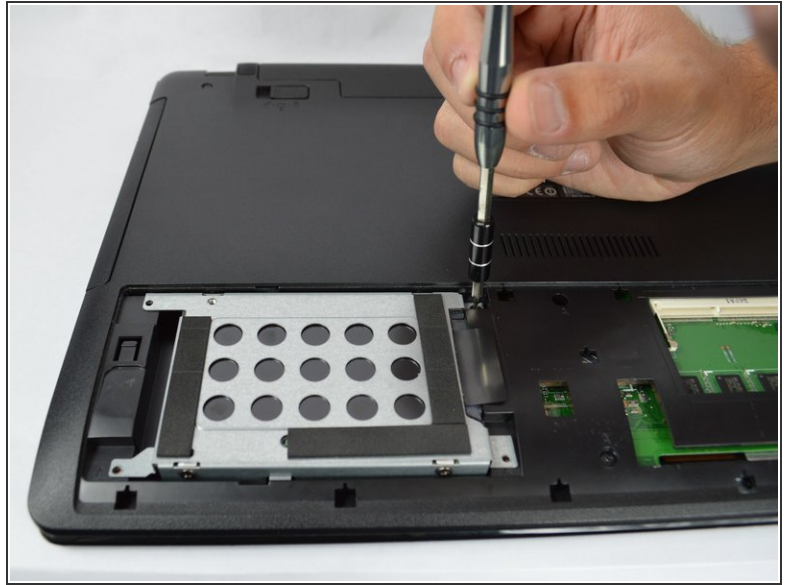
Step 3

- Loosen the four 12mm screws on the bottom and top panel of your device using a Phillips #0 screwdriver.

Step 4

- Use the grips to slide the panel off.

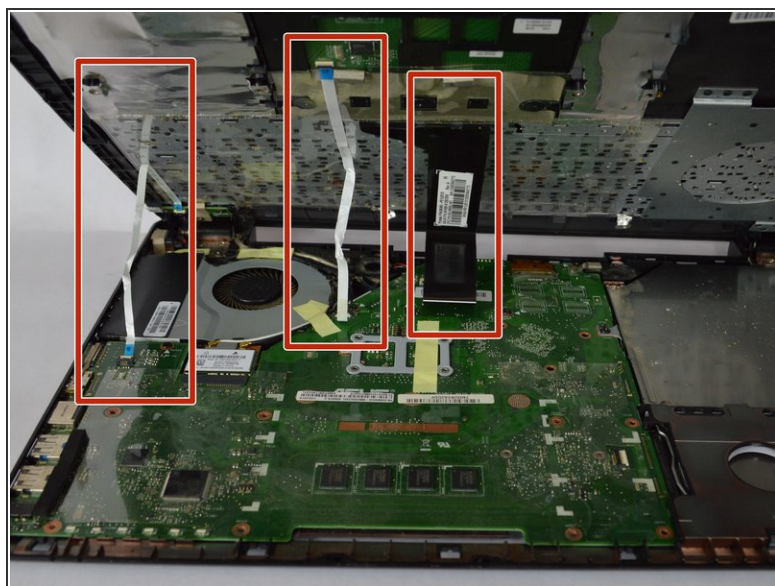- Remove the panel by lifting it off the device.

Step 5

- Remove the three 5mm screws holding down the hard drive and the five 5mm screws holding down the casing using a Phillips #00 bit.

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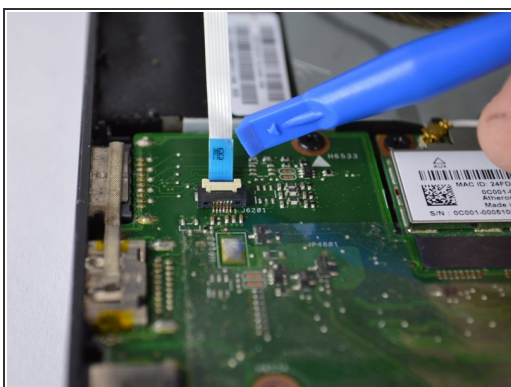
Step 6

- Turn the laptop the right way up and face it towards you.

- Insert the flat edge of the flat plastic opening tool into the crease of the keyboard cover.

- While the opening tool is in the crease, carefully pry open the casing by sliding the plastic opening tool along the edge.

Step 7

- Make sure that the entire cover has been released front the plastic pins.

- Slowly lift the cover open from the front of the laptop but do not completely remove.

- Note the three locations of the three white and blue data cables connecting the keyboard to the computer's main board.
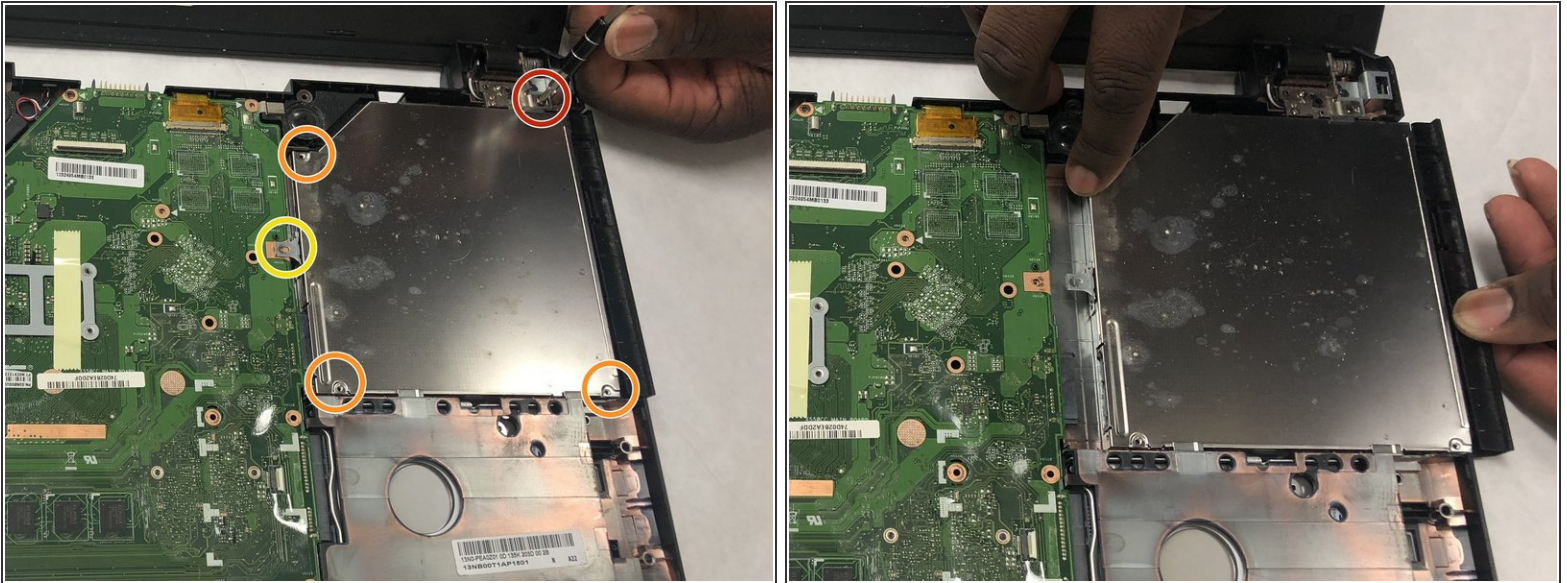
Step 8

- Remove each data cable from the motherboard by using your finger or the plastic opening tool to lift the white latch.

- The cable will slide out of its place.

Step 9

- With the data cables removed and the keyboard module fully disconnected, the keyboard module should come free from the laptop.

Step 10 — Optical Drive

- Remove the 4.5mm silver screw in the top right corner using a Phillips #0 bit.

- Remove the three 2mm silver screws using a Phillips #000 bit.

- Remove the 5mm screw using a Phillips #1 bit that is holding the optical drive in place.

- With your hands, gently slide the optical drive out of the laptop.

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

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