Installing MacBook Pro 15" Unibody Mid 2010 Dual Hard Drive

Use this guide to install a second hard drive in place of the optical drive.

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INTRODUCTION

There are many benefits to adding a second hard drive to your laptop such as improved speeds, greater storage space, and less heartache when installing new software. Use this guide to install one using our optical bay hard drive enclosure.

TOOLS:

- Phillips #00 Screwdriver (1)
- Spudger (1)
- Tri-point Y0 Screwdriver (1)

PARTS:

- 1 TB SSD Hybrid 2.5" Hard Drive (1)
Upgrade Kit
This kit contains the drive and all tools needed.
- 500 GB SSD Hybrid 2.5" Hard Drive (1)
Upgrade Kit
This kit contains the part and all tools needed.
- Unibody Laptop Dual Drive (1)
- Crucial MX500 250 GB SSD (1)
- Crucial MX500 500 GB SSD (1)
- Crucial MX500 1 TB SSD (1)

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Step 1 — Lower Case

- Remove the following ten screws securing the lower case to the upper case:
  - Three 13.5 mm (14.1 mm) Phillips screws.
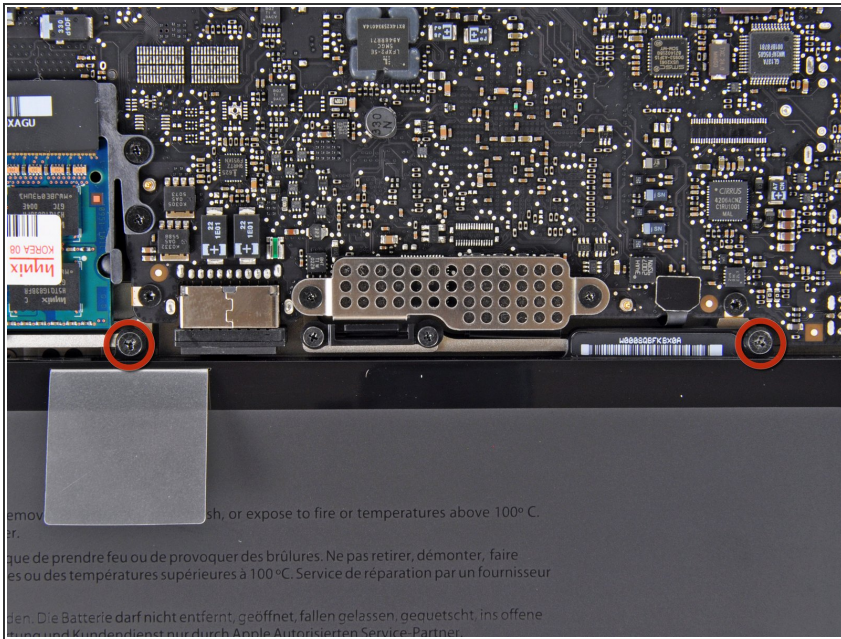 - Seven 3 mm Phillips screws.
- When removing these screws, note how they come out at a slight angle. They must be reinstalled the same way.

Step 2

- Using both hands, lift the lower case near the vent to pop it off two clips securing it to the upper case.
- Remove the lower case and set it aside.

Step 3 — Battery

- Remove the two 7.4 mm Tri-point screws securing the battery to the upper case.

- Note: For certain repairs (e.g. hard drive), removing the battery is not necessary but it prevents any accidental shorting of electronics on the motherboard. If you do not remove the battery, please be careful as parts of the motherboard might be electrified.

- You do not necessarily have to follow steps 3-6 to remove the battery in order to replace the hard drive. However it is recommended to remove all power sources from electronics before working on them.

Step 4

- Use the tip of your finger to carefully peel back the corner of the warning label to reveal a hidden Tri-point screw.

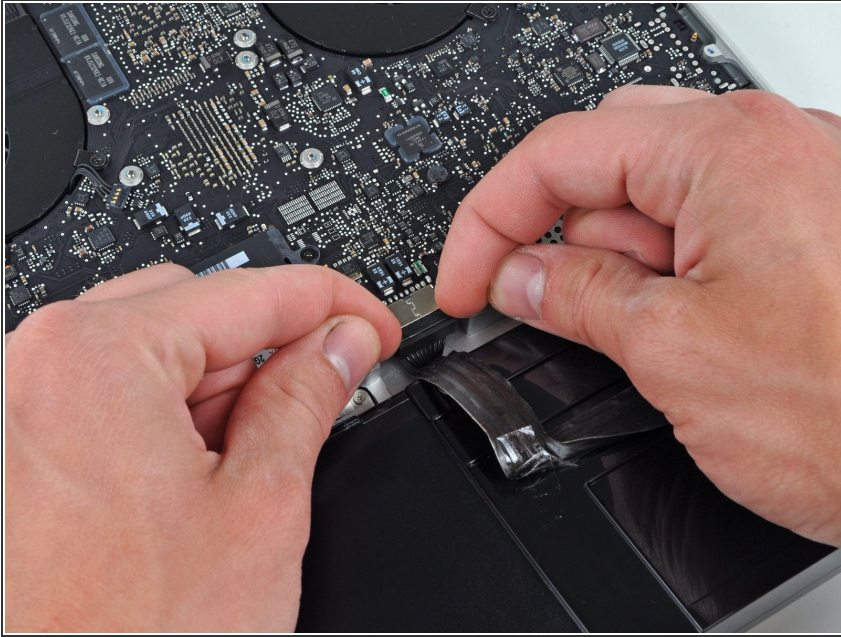- Remove the last 7.4 mm Tri-point screw securing the battery to the upper case.

Step 5

- Lift the battery by its plastic pull tab and slide it away from the long edge of the upper case.

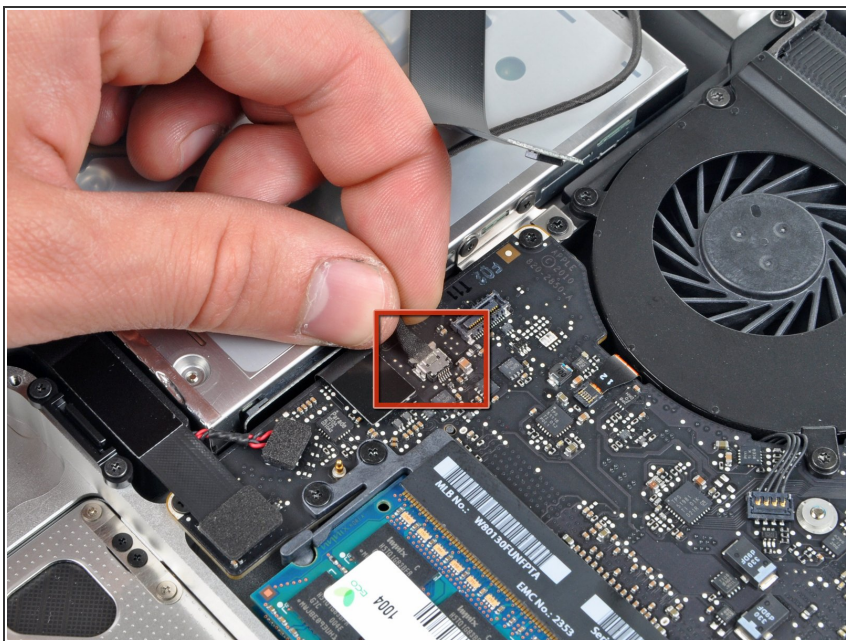⚠️ Do not try to completely remove the battery just yet.

Step 6

- Tilt the battery away from the logic board enough to access the battery cable connector.

- Pull the battery cable connector away from its socket on the logic board and remove the battery from the upper case.

- (i) Pull the battery cable connector away from the center of the logic board.

- (📌) If you're installing a new battery, you should calibrate it after installation:

  - Charge it to 100%, and then keep charging it for at least 2 more hours. Next, unplug and use it normally to drain the battery. When you see the low battery warning, save your work, and keep your laptop on until it goes to sleep due to low battery. Wait at least 5 hours, then charge your laptop uninterrupted to 100%.

  - If you notice any unusual behavior or problems after installing your new battery, you may need to reset your MacBook's SMC.
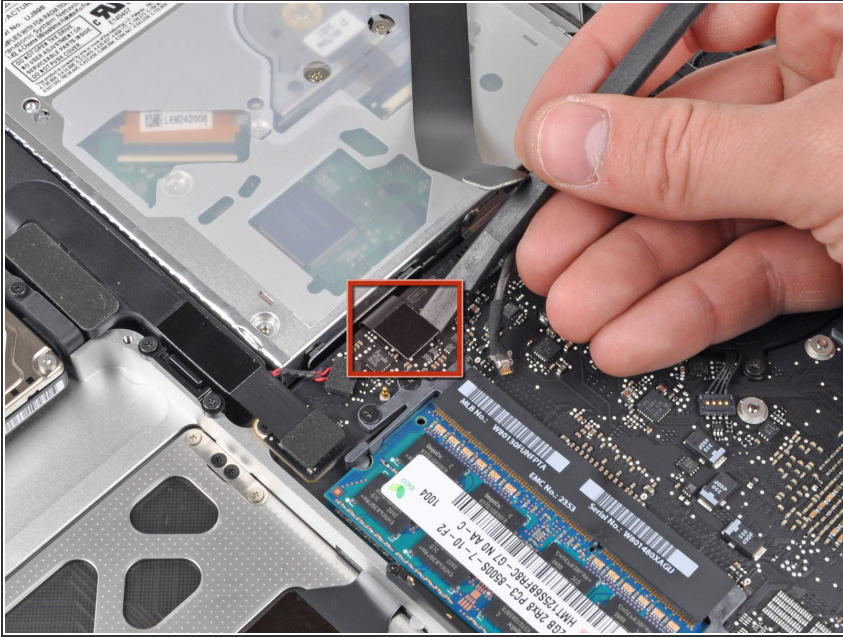
Step 7 — Optical Drive

- Use the flat end of a spudger to pry the AirPort/Bluetooth ribbon cable connector up off the logic board.
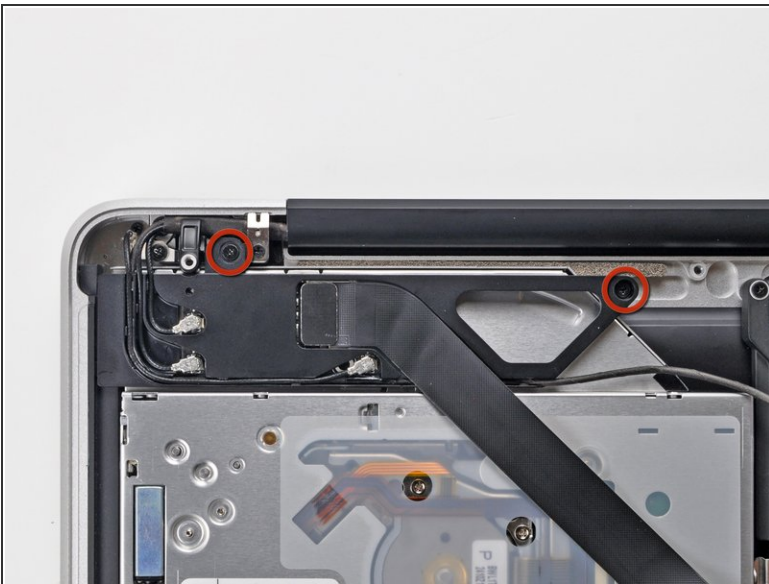
Step 8

- Disconnect the camera cable by pulling its connector away from the socket (toward the optical drive) on the logic board.

Step 9

- Use the flat end of a spudger to pry the optical drive connector up off the logic board.

Step 10

- Remove the two Phillips screws securing the AirPort/Bluetooth board housing.

- Carefully rotate the AirPort/Bluetooth board housing (with AirPort/Antenna cables still attached) out of the lower case.
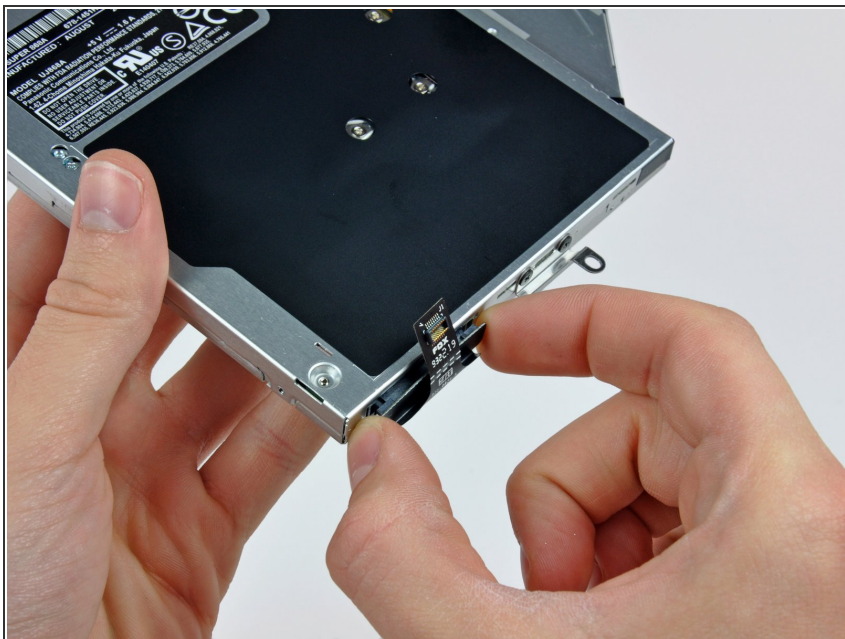
Step 11

- Remove the following three Phillips screws securing the optical drive to the upper case:
  - One 4.5 mm Phillips screw securing the optical drive bracket to the upper case near the fan.
  - Two 2.5 mm Phillips screws securing the optical drive to the upper case near the optical drive opening.

Step 12

- Lift the optical drive near its connector and pull it away from the upper case to remove it from the computer.

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Step 13 — Optical Drive

- Pull the optical drive cable out of the optical drive.

- ⚠ Be sure to pull by the edges of the connector, not by the cable itself.
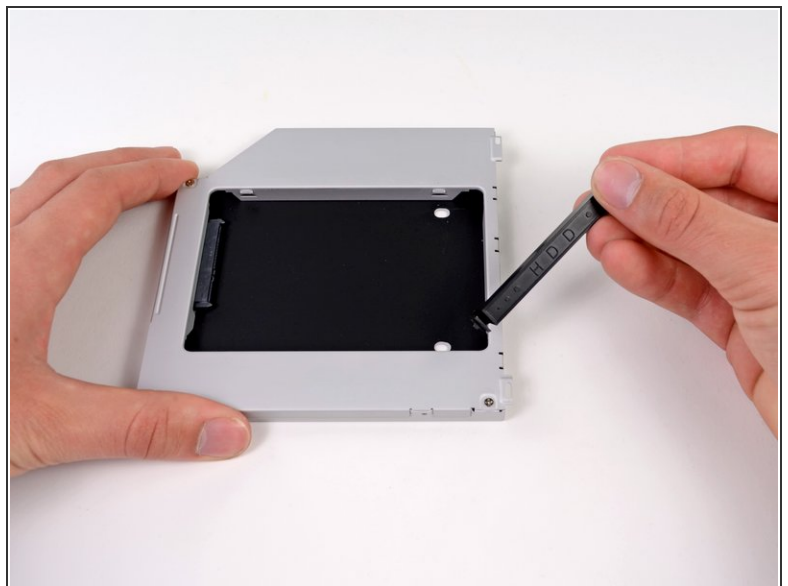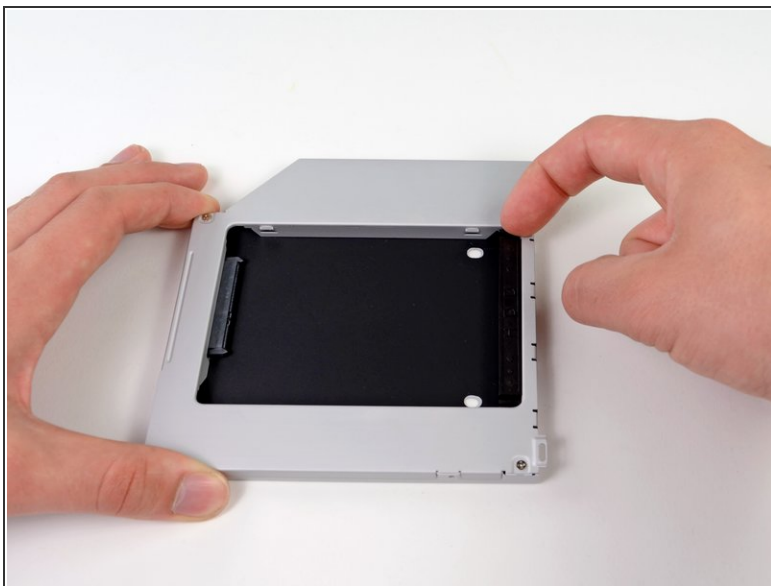
- Optical drive remains.

- ⓘ If you have a CD or any other object jammed in your optical drive, we have an optical drive repair guide.

Step 14

- Remove the two black Phillips #0 screws securing the small metal mounting bracket. Transfer this bracket to your new optical drive or [hard drive enclosure](#).

Step 15 — Dual Hard Drive

- Remove the plastic spacer from the optical bay hard drive enclosure by pressing in on one of the clips on either side and lifting it up and out of the enclosure.

Step 16

- Make sure that the hard drive connectors are facing down before placing it into the enclosure.

- Gently place the hard drive into the enclosure's hard drive slot.

- While firmly holding the enclosure in place with one hand, use your other hand to press the hard drive into the enclosure connectors.

Step 17

- Once the hard drive is snug, reinsert the plastic spacer while holding the hard drive against the bottom of the enclosure.

Step 18

- Use two Phillips #1 screws to secure the drive to its enclosure.

Step 19

- Attach the optical drive bracket to the new enclosure with two Phillips #0 screws.

- Reconnect any cables you have removed from the original optical drive onto the optical bay enclosure.

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Step 20

ⓘ Don't ditch that drive! You can still use your optical drive externally with the help of our SATA Optical Drive USB Cable.

● Align the cable's SATA connector with the drive's port and plug in securely.

● Plug the USB connector into your laptop and your optical drive is ready for use.

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

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