



# Installing MacBook Unibody Model A1342 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)
- [T6 Torx Screwdriver](#) (1)
- [T8 Torx Screwdriver](#) (1)



### PARTS:

- [Unibody Laptop Dual Drive](#) (1)
- [500 GB 7200 RPM 2.5" Hard Drive](#) (1)
- [250 GB SSD](#) (1)
- [500 GB SSD](#) (1)
- [1 TB SSD](#) (1)


## Step 1 — Lower Case



- Remove the eight 4 mm Phillips screws securing the lower case to the MacBook.

## Step 2




 The lower case is constructed of rubber-coated aluminum. Do not excessively bend the aluminum during removal, as any permanent deformation will cause tolerance issues after reassembly.


- Slightly lift the lower case near the vent opening.
- Continue running your fingers between the lower and upper cases until the upper case pops off its retaining clips.

 The location of these three clips is shown in the third picture.

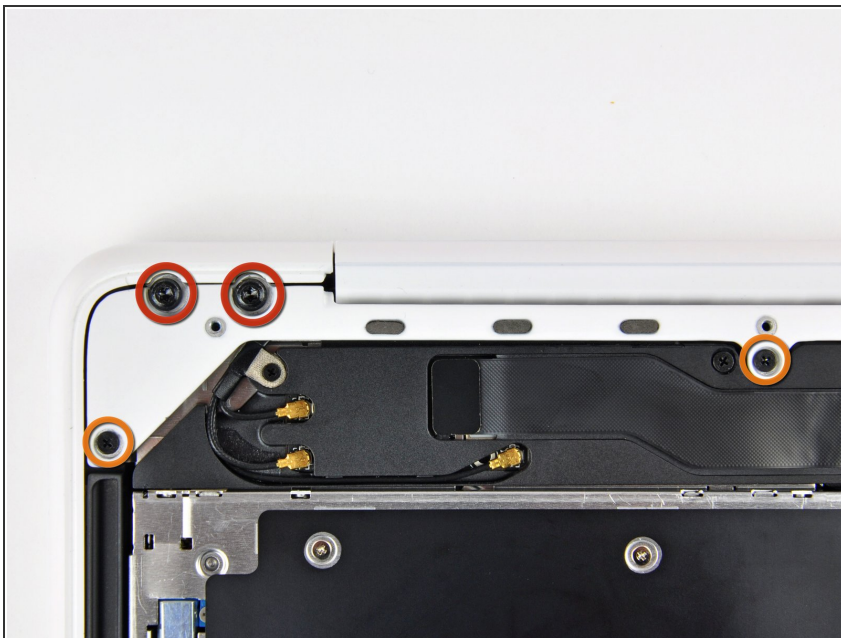
## Step 3 — Battery



 For precautionary purposes, we advise that you disconnect the battery connector from the logic board to avoid any electrical discharge. This step is **optional** and is not required.

- Use the flat end of a spudger to lift the battery connector up out of its socket on the logic board.
-  It may be easier to use your fingernails to lift up on both sides of the connector.

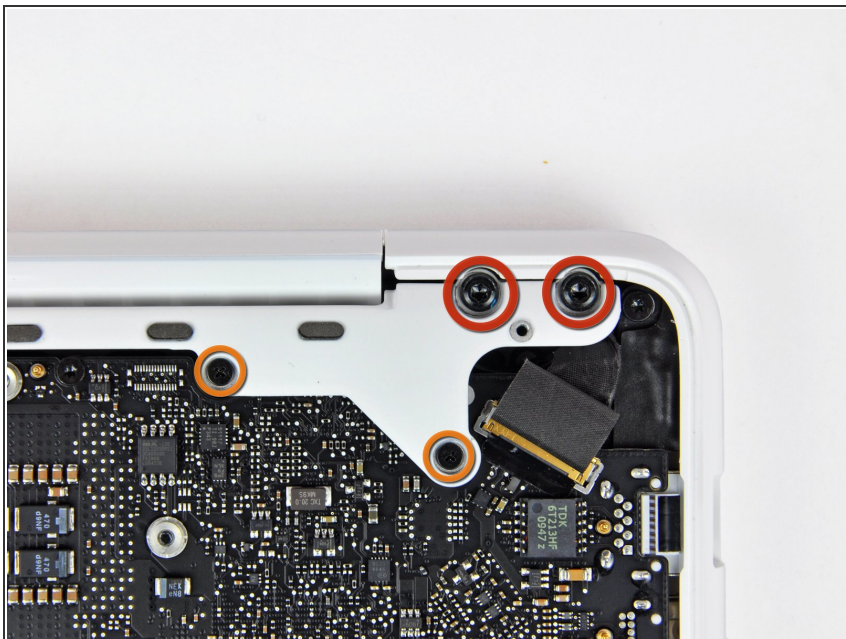
## Step 4 — Rear Vent



- Remove the following screws from the optical drive side of the rear vent:
  - Two 10 mm T8 Torx
  - Two 5.2 mm Phillips



## Step 5



- Remove the following screws from the port side of rear vent:
  - Two 10 mm T8 Torx
  - Two 5.2 mm Phillips

## Step 6



- Carefully lift the rear vent out of the upper case.

## Step 7 — Optical Drive



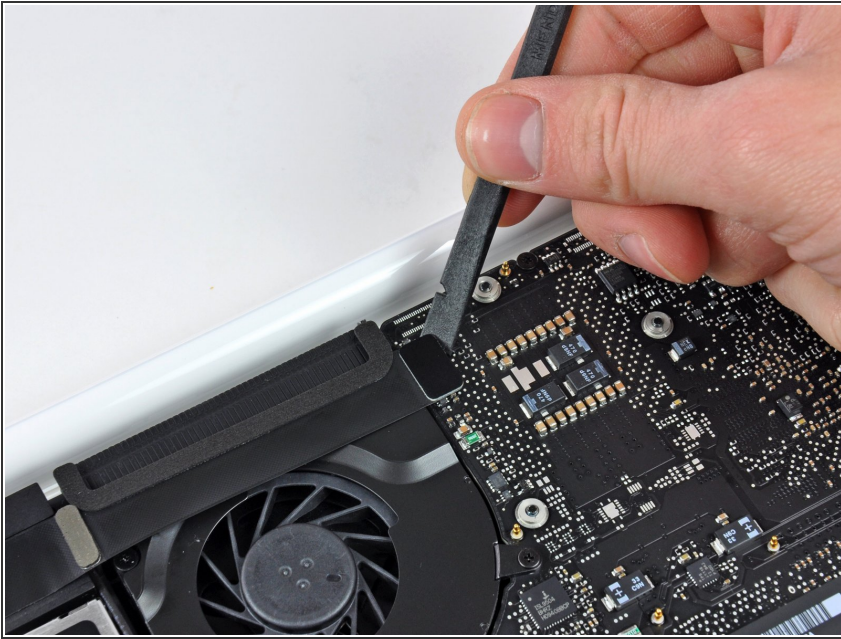
- Remove the single 12 mm Phillips screw securing the top of the rear speaker housing to the upper case.

## Step 8



- Remove the single 2.2 mm Phillips screw inserted horizontally into the side of the optical drive.
- ⓘ This screw is located in a gap within the right speaker assembly, and is visible only from the hinge edge.

## Step 9



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

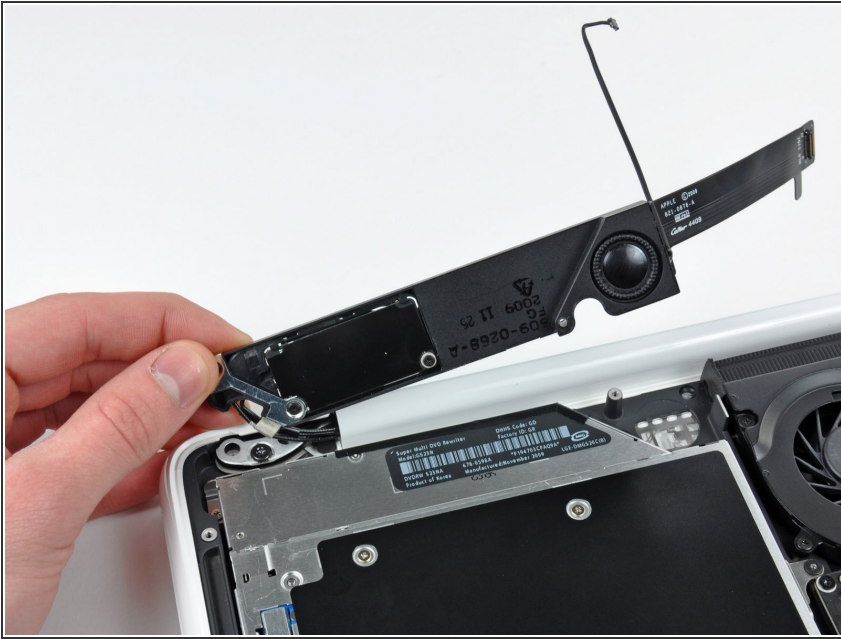
## Step 10



- Use the flat end of a spudger to pry the rear speaker connector up off the logic board.
- ⓘ Pry up underneath the wires.
- ⚠ This connector is very delicate and easily broken.



## Step 11



- Carefully rotate the rear speaker assembly (with AirPort/Antenna cables still attached) out of the lower case.

## Step 12



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

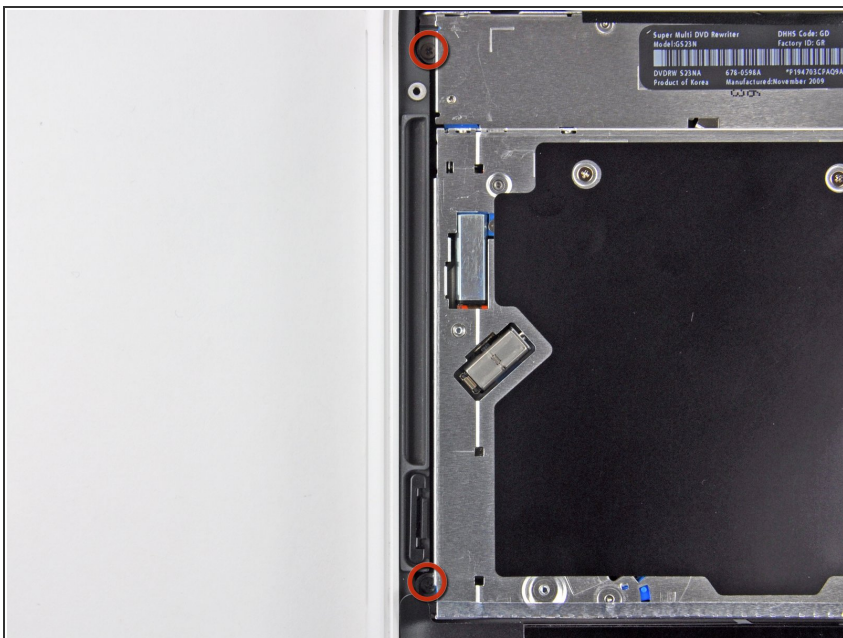


## Step 13



- Remove the single 4.5 mm Phillips screw securing the optical drive bracket to the upper case near the fan.

## Step 14



- Remove the two 2.5 mm Phillips screws securing the optical drive to the upper case near the optical drive opening.

## Step 15



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

## Step 16 — Optical Drive



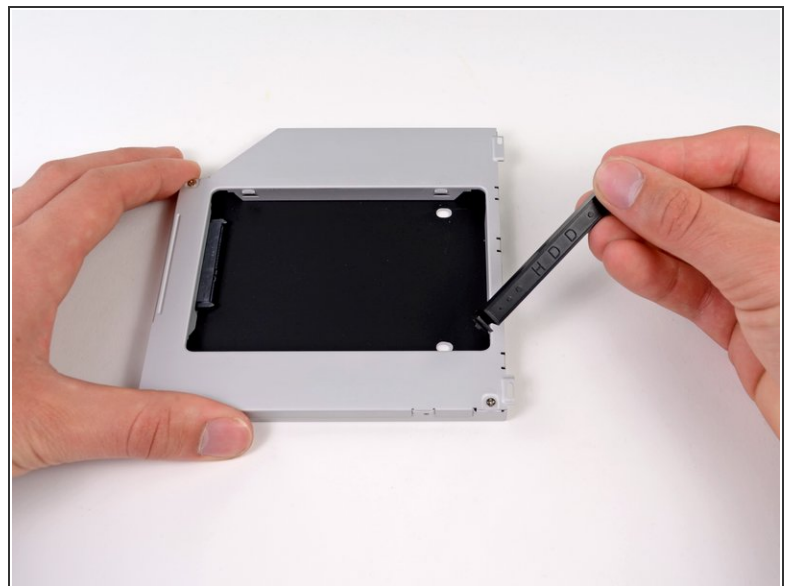
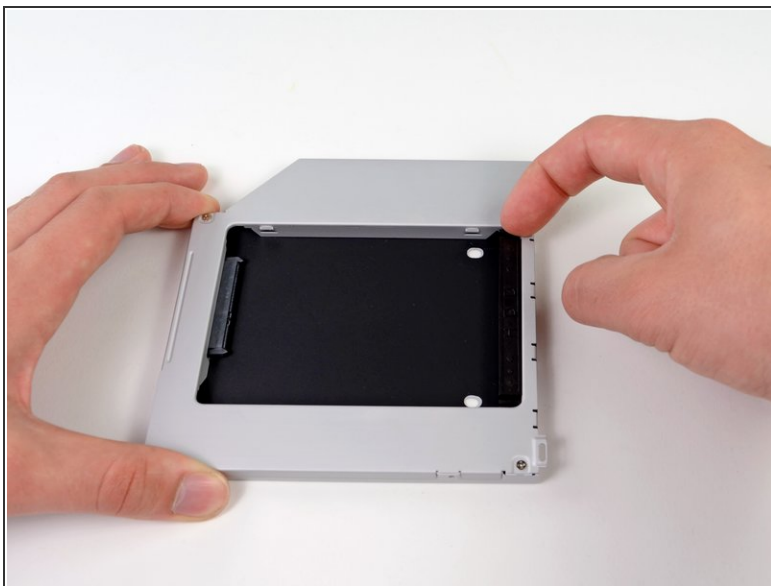
- Pull the optical drive cable connector away from the body of the optical drive.

## Step 17



- 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 18 — 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 19



- 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 20



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

## Step 21



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


## Step 22



- 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.

## Step 23



 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.