



# MacBook Pro 17" Unibody Right Fan Replacement

Replace your MacBook Pro 17" Unibody's right fan.

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## INTRODUCTION

Running hot? Use this guide to replace a worn-out right fan.



### TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Spudger](#) (1)



### PARTS:

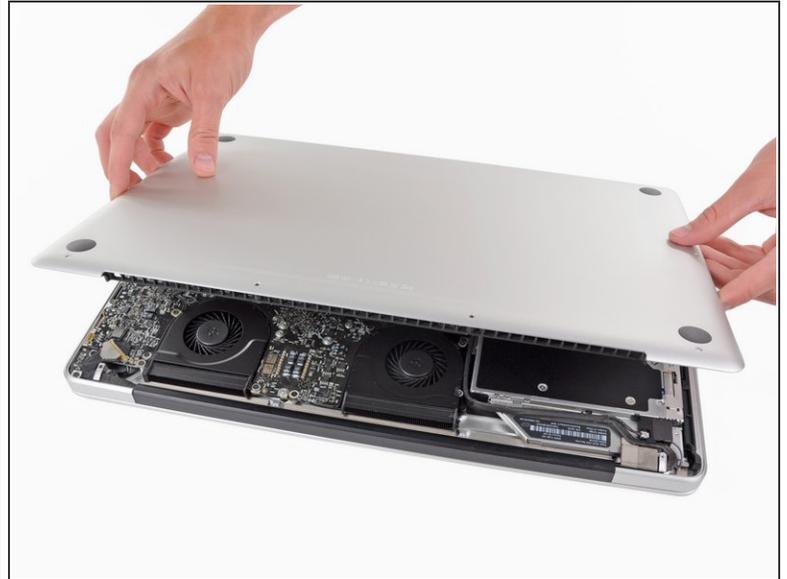
- [MacBook Pro 15" Unibody \(2.53 GHz Mid 2009\) or 17" Unibody \(Early/Mid 2009\) Right Fan](#) (1)
- [MacBook Pro 17" Unibody \(Mid 2010/Late 2011\) Right Fan](#) (1)

## Step 1 — Lower Case



- Remove the following ten screws securing the lower case to the upper case:
  - Three 13.5 mm Phillips screws.
  - Seven 3 mm Phillips screws.

## Step 2



- Wedge your fingers between the lower case and the vent, and lift upward to release the two clips holding the lower case to the upper case.
  - ☑ During reassembly, carefully align the lower case and then press it firmly until both clips engage.
- Remove the lower case.

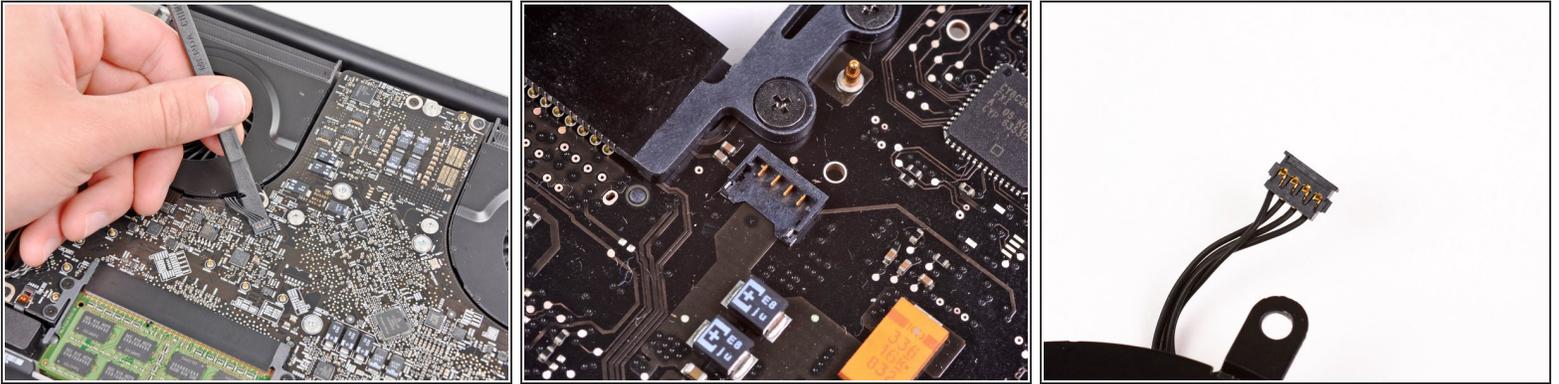
## Step 3 — Battery



**⚠** Whenever working near the logic board, it is always wise to first disconnect the battery to avoid short circuits.

- If present, grab the plastic tab attached to the battery connector and pull it toward the front edge of the device. For Late-2011 models the battery connector will not have a tab and is simply a plug that inserts straight down into the motherboard--to remove pry the plug straight up.
- ⓘ If the plastic tab is missing, use a spudger to pry the connector up from its socket.
- 👉 Pull the tab parallel to the face of the logic board.

## Step 4 — Right Fan



- Use the flat end of a spudger to lift the right fan connector out of its socket on the logic board.
- ⓘ It is useful to twist the spudger axially from beneath the fan cable wires to release the connector.
- ⚠ The fan socket and the fan connector can be seen in the second and third pictures. Be careful not to break the plastic fan socket off the logic board as you use your spudger to lift the fan connector straight up and out of its socket. The layout of the logic board shown in the second picture may look slightly different than your machine but the fan socket is the same.

## Step 5



- Remove the three 3.1 mm Phillips screws securing the right fan to the logic board.
- ⓘ In the Late 2011 MacBook Pro 17" Unibody these screws will be T6 Torx.

## Step 6



- Remove the right fan from the upper case, minding its cable that may get caught.

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