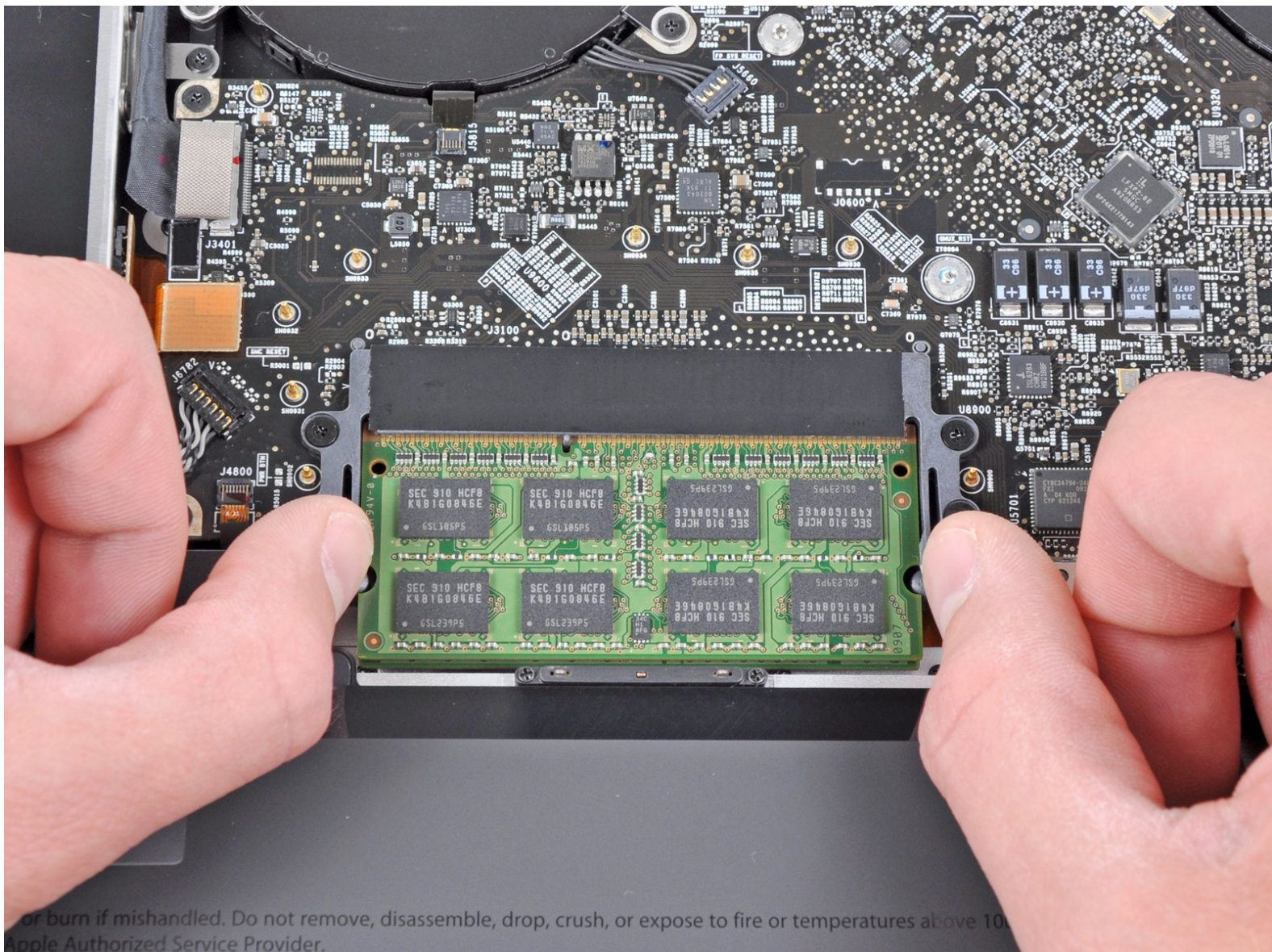




# MacBook Pro 17" Unibody RAM Replacement

Upgrade your MacBook Pro 17" Unibody's RAM for an instant increase in computer speed.

Written By: Andrew Bookholt



or burn if mishandled. Do not remove, disassemble, drop, crush, or expose to fire or temperatures above 100°C.  
Apple Authorized Service Provider.

# INTRODUCTION

Use this guide to replace your MacBook Pro's RAM.



## TOOLS:

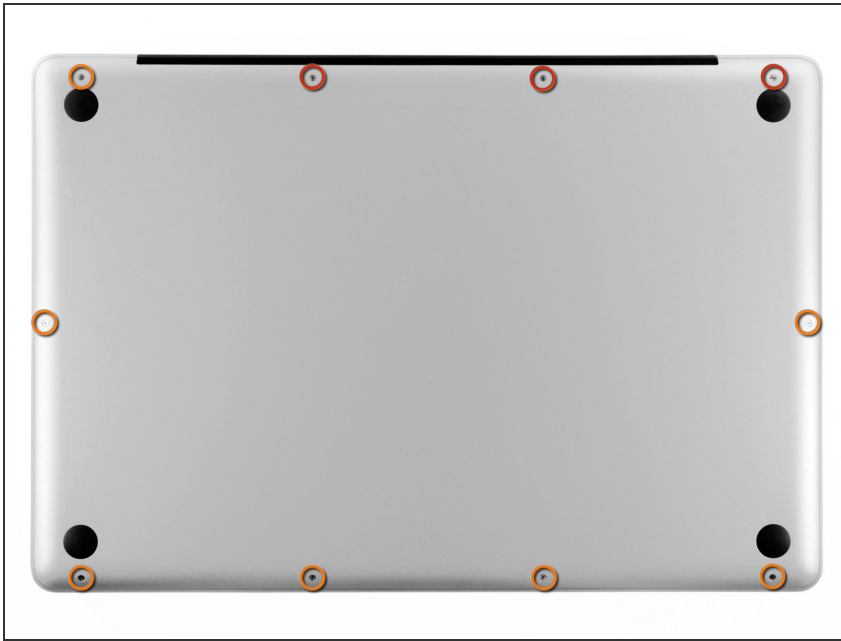
- [Phillips #00 Screwdriver](#) (1)



## PARTS:

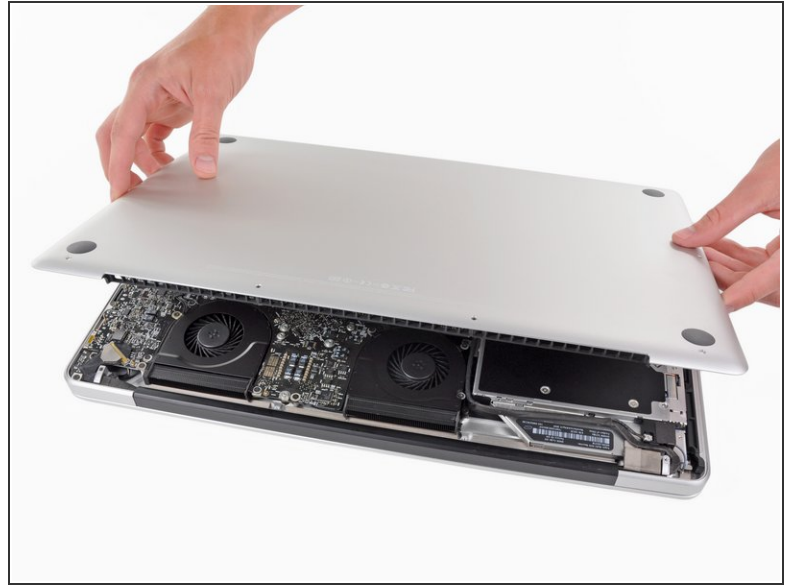
- [MacBook Pro 17" Unibody Early 2009 Memory Maxxer RAM Upgrade Kit](#) (1)
- [MacBook Pro 17" Unibody Mid 2009 Memory Maxxer RAM Upgrade Kit](#) (1)
- [MacBook Pro 17" Unibody Mid 2010 Memory Maxxer RAM Upgrade Kit](#) (1)
- [MacBook Pro 17" Unibody Early 2011 Memory Maxxer RAM Upgrade Kit](#) (1)
- [MacBook Pro 17" Unibody Late 2011 Memory Maxxer RAM Upgrade Kit](#) (1)
- [PC3-8500 4 GB RAM Chip](#) (1)
- [PC3-8500 2 GB RAM Chip](#) (1)
- [PC3-8500 1 GB RAM Chip](#) (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.

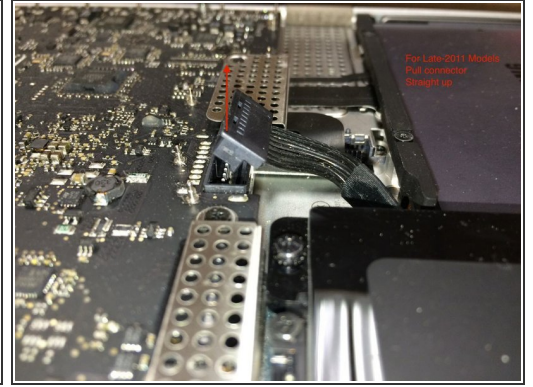
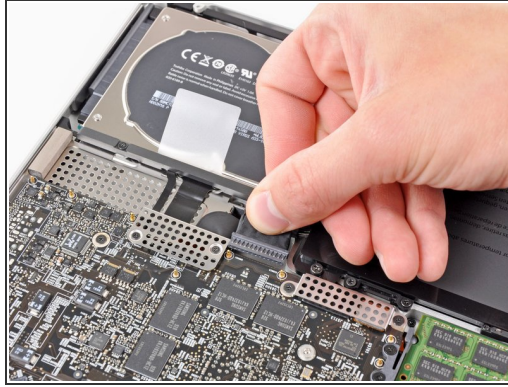
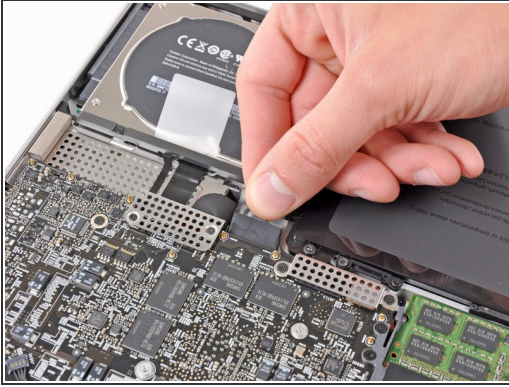
## Step 2






- 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.



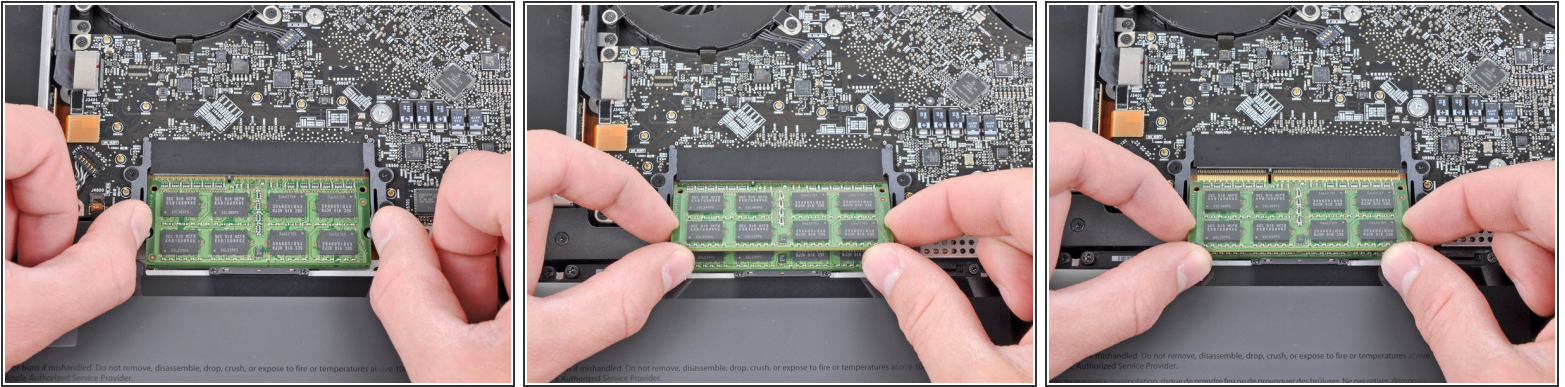
## Step 3 — Battery



 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 — RAM



- Release the tabs on each side of the RAM chip by simultaneously pushing each tab away from the RAM.
- ⓘ These tabs lock the chip in place and releasing them will cause the chip to "pop" up.
- After the RAM chip has popped up, pull it straight out of its socket.
- ✦ Repeat this process if a second RAM chip is installed.

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