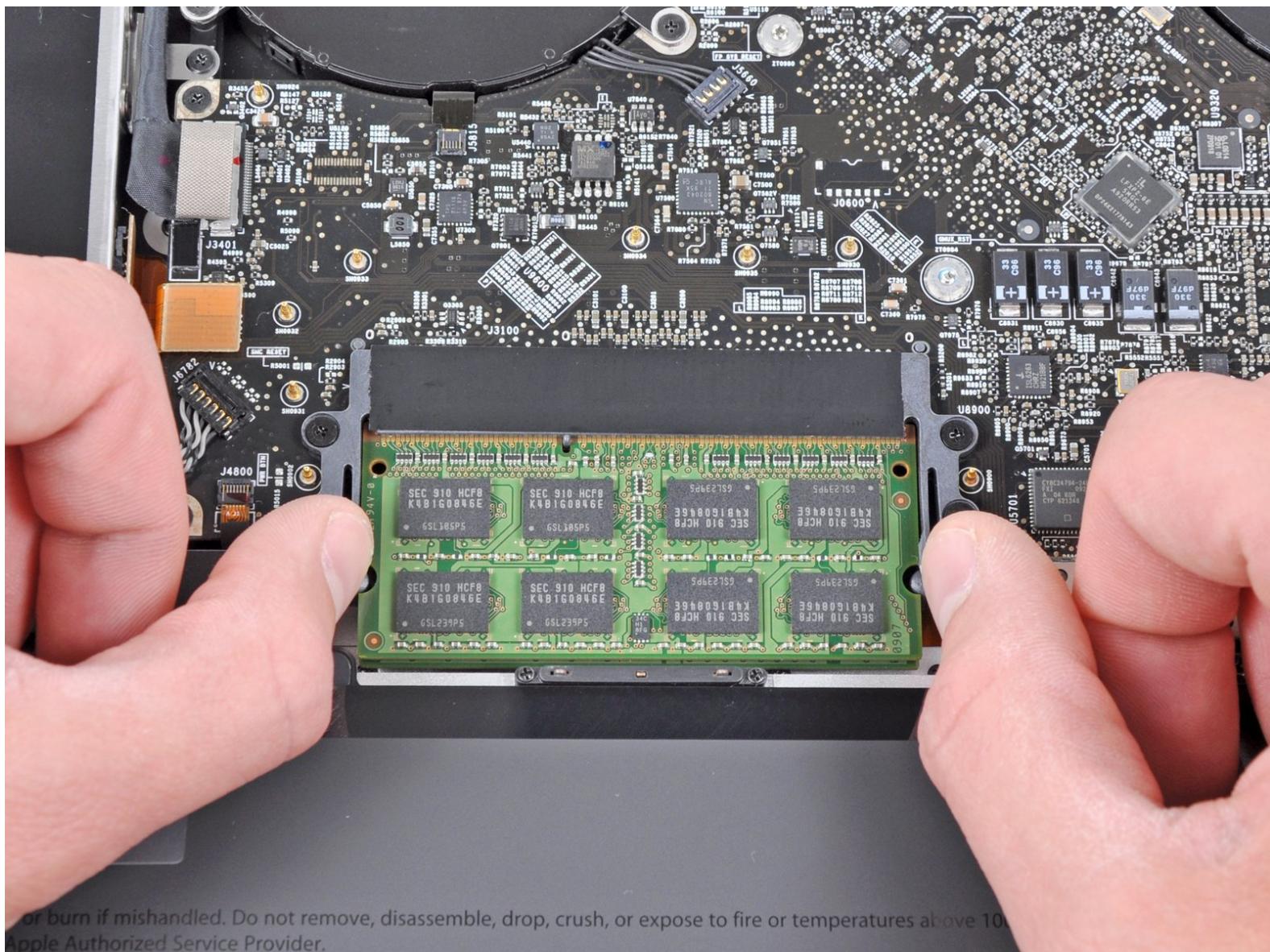




MacBook Pro 17" Unibody RAM Replacement

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

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

INTRODUCTION

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

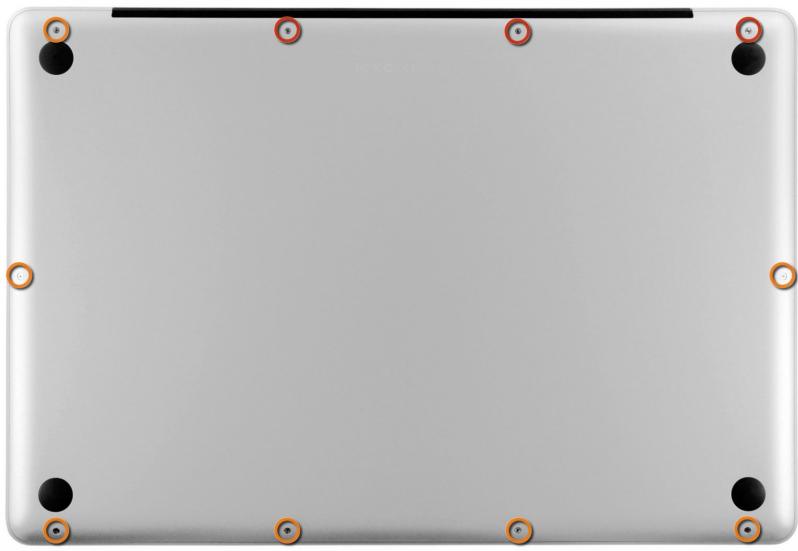
TOOLS:

- [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.

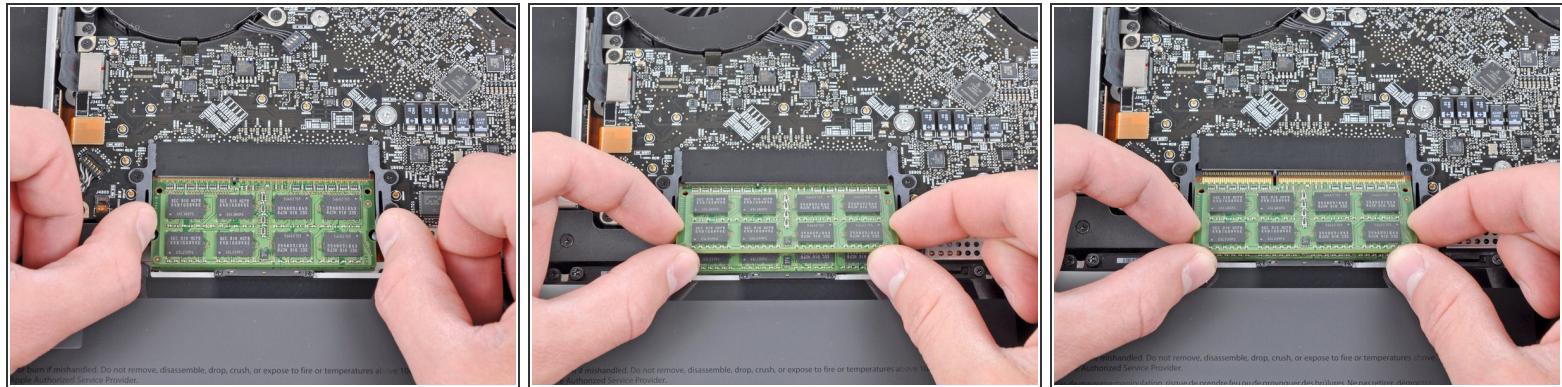
Step 3 — Battery



⚠ 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.
- **i** 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.
- *(i)* 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.