



# Apple Macbook Pro 17" 2009 - 2011 Memory Installation Guide



## What will I need?



Clear Workspace



New Memory Module(s)



Screwdriver



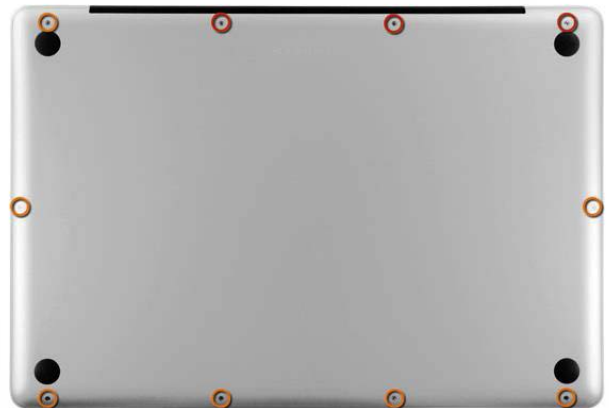
To prevent any potential damage from anti static electricity, you should discharge yourself first. This can be done by touching a grounded metal object - such as a radiator.

## Step 1

Turn your MacBook over and remove the lower case – there are 10 screws holding this in place.

3x 13mm

7x 3mm



## Step 2

Wedge your fingers between the case and the vent, lifting upwards to release the clips.



## Step 4

Grab the plastic tab attached to the Battery connector and pull it towards the front edge of the device. (For Late 2011 models, there will not be a tab, it is a plug that inserts straight down the motherboard).



## Step 5

Remove any existing memory by releasing the clips on each side of the module – pulling them away from the module. The module should pop out of place.



## Step 6

Install new modules at a 45- degree angle into the slot – making sure the notch in the module lines up with the notch in the memory slot.

## Step 7

Put the MacBook back together again in the reverse order that you took it apart. Turn the MacBook back on (Ideally it should be fully charged or plugged into the mains). Everything should be running smoothly and quicker than before.