



## Installing PowerBook G4 Titanium Onyx RAM

### Parts relevant to this guide

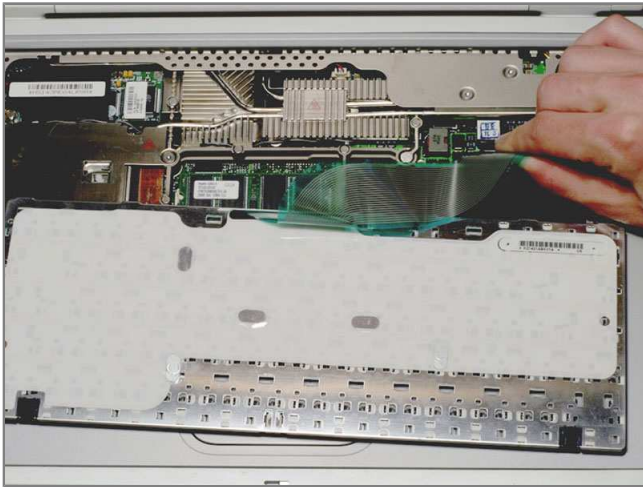
- [PC133 256 MB RAM Chip](#) (1)
- [PC133 512 MB RAM Chip](#) (1)

Two RAM slots allow up to 1 GB of PC133 RAM.



## Step 1 - Keyboard

- Remove the battery.
- Turn the keyboard locking screw so that it is parallel to the space bar.
- Pull the keyboard release tabs toward you and lift up on the keyboard until it pops free.



## Step 2

- Rest the keyboard face down on the trackpad area.
- Disconnect the keyboard connector from the logic board.



## Step 3

- Your laptop should look approximately like this.





## Step 4 - RAM

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- Pull the RAM chip out.
- Repeat this process if a second RAM chip is installed.



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

This document was last generated on Dec 13, 2010.







Lower Case  
8 T8 Torx



Hard Drive  
2 T8 Torx



HD Replacement  
2 T8 Torx



Modem  
1 5mm Standoff

Logic Board (top)  
1 T8 Torx

Logic Board  
1 T8 Torx



Logic Board  
2 T8 Torx





To organize your screws, simply place each screw in the appropriate box as you remove them from your laptop.

If you are not planning on immediately reassembling your laptop, you may want to tape the screws to this paper.

Due to model variations, the screws you remove may differ slightly from this guide.



PC Card Cage  
1 T8 Torx



PC Card Cage  
1 T8 Torx



Display (bottom)  
4 T8 Torx



Display (top)  
5 T8 Torx

Display (clutch covers)  
4 T8 Torx

Display (ports)  
4 T6 Torx

Display  
4 T8 Torx

