

# PC MEMORY UPGRADE Step-by-Step



Jim McKnight    [www.jimopi.net](http://www.jimopi.net)    *MemoryUpgrade.lwp*    revised 3-1-2013

1. Power off the PC, unplug it, open it up, and carefully blow out all the dust inside (Blow air only, never use a vacuum).
2. With the PC open and unplugged, this is a good time to make sure the keep-alive battery is 3.0 vdc or greater. If not, replace it.
3. Blast any memory slots to be used with canned air.
4. Add or swap out the desired memory sticks being sure to wipe the contacts on each stick with a micro-cloth or lint-free cloth before inserting.
5. Put the PC back together and replug all cables.
6. Power up and verify that all the memory is recognized by the BIOS. (*Older BIOS may not allow this.*)
7. Boot the Windows system and check in "System Properties" that all the new memory is fully recognized by Windows (*Control Panel > System*). If not, then return to step-3. Re-clean the RAM sockets and RAM sticks and replug them back in.
8. Virtual Memory size: Change the Virtual Memory size to "System Managed" (*Control Panel > System > Advanced tab > Performance settings > Advanced tab > Virtual memory Change*). Click on "System managed size", click the "Set" button, then the "OK" button. (*You must have "Administrator" authority to do this*).
9. MEMTEST86+: To fully test the memory, I suggest you run this bootable program that you download and burn to CD. Run one full pass (*15 minutes or so*).

Normally I take the time to go through my XP or Win7 "Quick System Checkup" on every PC that I work on.

Here is a link to the document on my website that I use to "Quick" checkout a PC. It is not really "quick", but is quicker than my 10 page tuneup checklist.

[http://www.jimopi.net/PDFs/Word%20Pro%20-%20XP\\_QuickCheckup.pdf](http://www.jimopi.net/PDFs/Word%20Pro%20-%20XP_QuickCheckup.pdf)

All the utility programs that I use in my PC Checkup are free and download links to them can be found on my website:

<http://www.jimopi.net/PDFs/Word%20Pro%20-%20Utilities1.pdf>