

# HDD to SSD UPGRADE Step-by-Step



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1. Verify that the new SSD is of adequate size to be at least DOUBLE the size of the data on the old hard-drive.
2. Verify that the System BIOS/UEFI is the latest available version. Update as necessary.
3. Run the Speedfan utility and verify the PC Temps are OK.
4. Run the Crystal Disk Info utility and verify the condition of the old Hard-drive.
5. Run an HDTUNE full slow scan. Note the data transfer speed: \_\_\_\_\_
6. Run CHKDSK /f /r.
7. Verify the PC boots OK.
8. ACRONIS: Boot your Acronis CD and do a FULL backup of the old hard-drive to an external hard-drive. *(This is in case the Clone does not work.)*
9. Power off the PC, unplug it, open it up,
10. Carefully blow out all the dust inside (Blow air only, never use a vacuum).
11. With the PC open and unplugged, make sure the keep-alive battery is 3.1 vdc or greater. If not, replace it.
12. Install the new SSD.
13. Put the PC back together and replug all cables.
14. Plug the old hard-drive into a USB adapter so it can be cloned by Acronis.
15. Power up and boot your Acronis CD.
16. Clone the hard-drive to the SSD. *(If cloning does not work, then restore the previous Acronis image to the SSD.)*
17. Power down and unplug all external hard-drives.
18. Power on and verify that the PC Boots OK. *(Note: The system may or may not install a driver for the SSD and request a reboot).*
19. Verify that the full size of the new SSD is recognized by the system. *(If not, you will have to do some repartitioning work.)*
20. For Windows 7, go to Drive C disk properties and turn off Scheduled Defrags.
21. Run an HDTUNE full slow scan. Note the data transfer speed: \_\_\_\_\_
22. Verify TRIM is Functioning: To check, open a Command Prompt window and run the “fsutil behavior query DisableDeleteNotify” command. If it’s set to “0”, TRIM is enabled and everything is good. If it’s set to “1”, TRIM is disabled and you need to enable it. This is rare, however.

At this point, I normally take the time to go through my Windows “Quick System Checkup” on every PC that I work on.

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>