



Important Note

Windows BACKUP and UPDATE BIOS – AMI EFI BIOS

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MS-DOS BACKUP and UPDATE BIOS – AMI EFI BIOS

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Windows BACKUP and UPDATE BIOS – AMI EFI BIOS

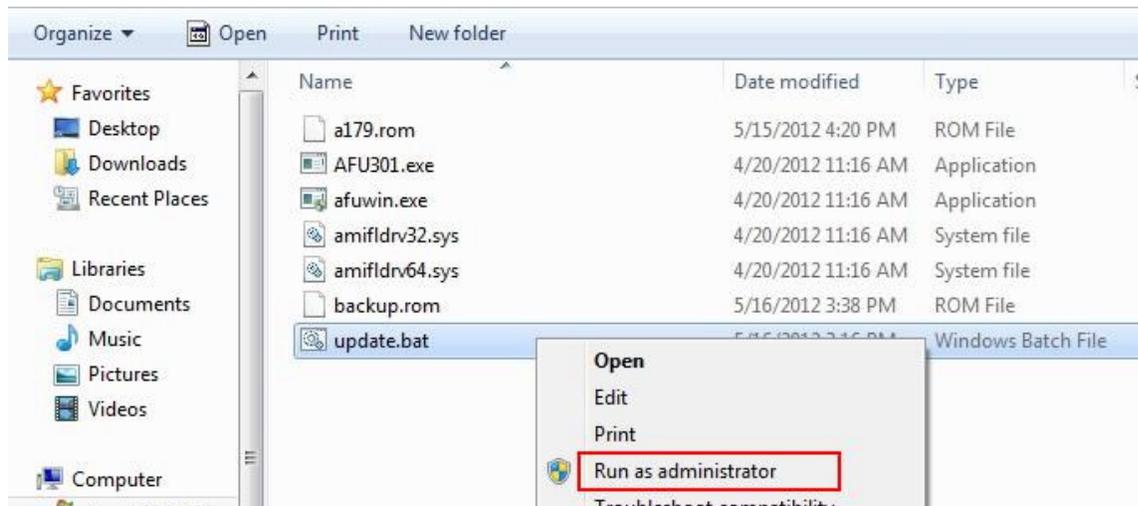
(ver. 2.01)

Uncompress the download zip file in the **C:\BIOS** folder. This folder name is pre-defined and not changeable.

Read the update information from the note.txt file. Before update the BIOS, please make sure the system is running at normal system clock. Turn off the Anti-virus, screen saver and other pre-load programs. Any program pop up may interrupt the update process.

Execute the update as “administrator” and reply “YES” for the “User Account control”.

The batch file is provided for 32/64 bits Windows OS. For update from MS-DOS, please refer the **MS-DOS BACKUP and UPDATE BIOS** session.



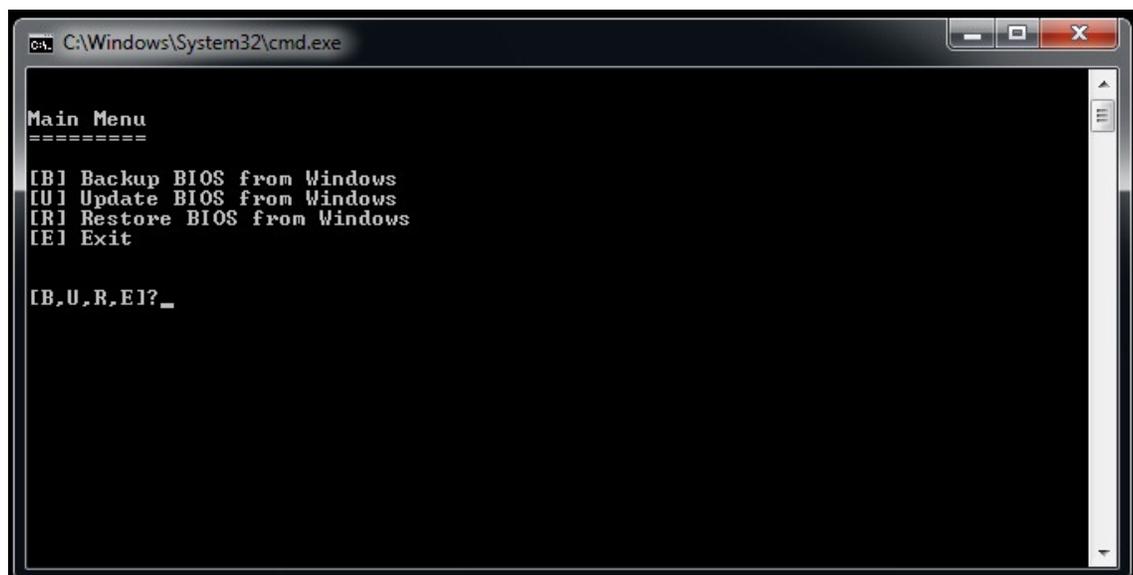
The Main menu provided four options:

Option B: Backup the existing BIOS

Option U: Update the existing BIOS

Option R: Restore the BIOS from image “backup.rom”

Option E: Exit without action

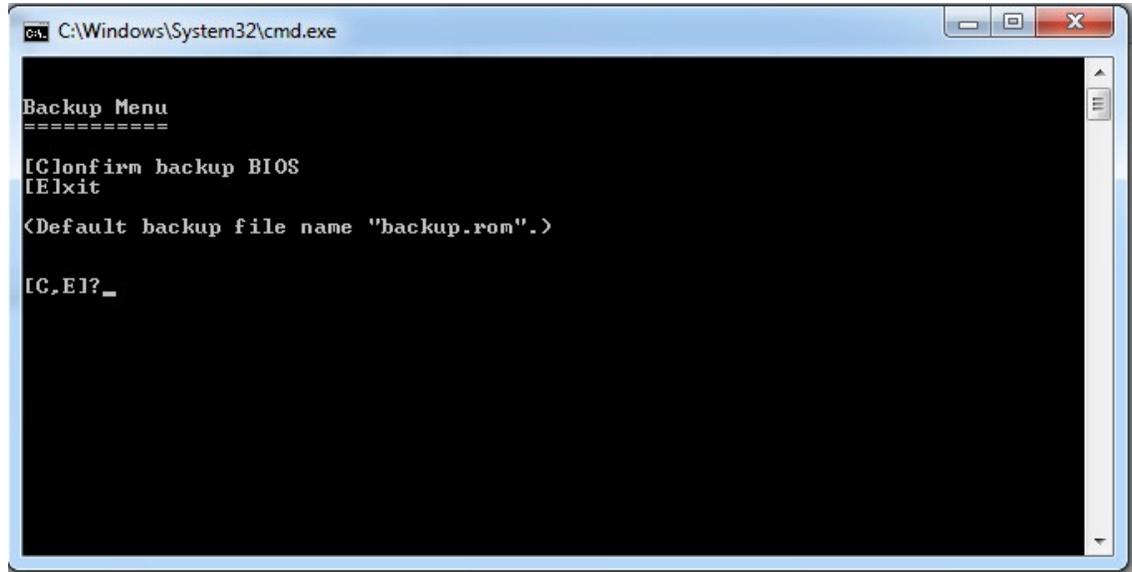




Backup BIOS from Windows (option B)

Press C to confirm backup. The backup file name is pre-defined as "backup.rom" under C:\BIOS folder. If the "backup.rom" exists, the program will prompt to overwrite.

Press E for exit without action.



```
C:\Windows\System32\cmd.exe

Backup Menu
=====

[C]onfirm backup BIOS
[E]xit

<Default backup file name "backup.rom".>

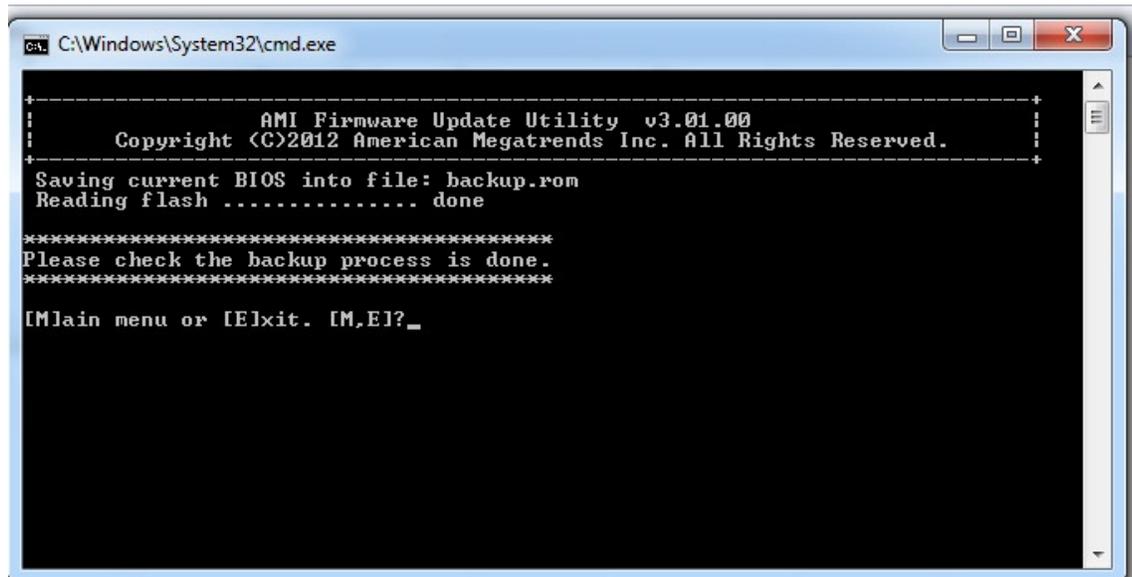
[C,E]?_
```

After backup complete, the program appears "Reading Flash.....done."

Please save the backup.rom to other medium.

Press M return to the Main menu.

Press E for exit without action.



```
C:\Windows\System32\cmd.exe

+-----+
|                AMI Firmware Update Utility v3.01.00                |
|                Copyright (C)2012 American Megatrends Inc. All Rights Reserved.                |
+-----+

Saving current BIOS into file: backup.rom
Reading flash ..... done

*****
Please check the backup process is done.
*****

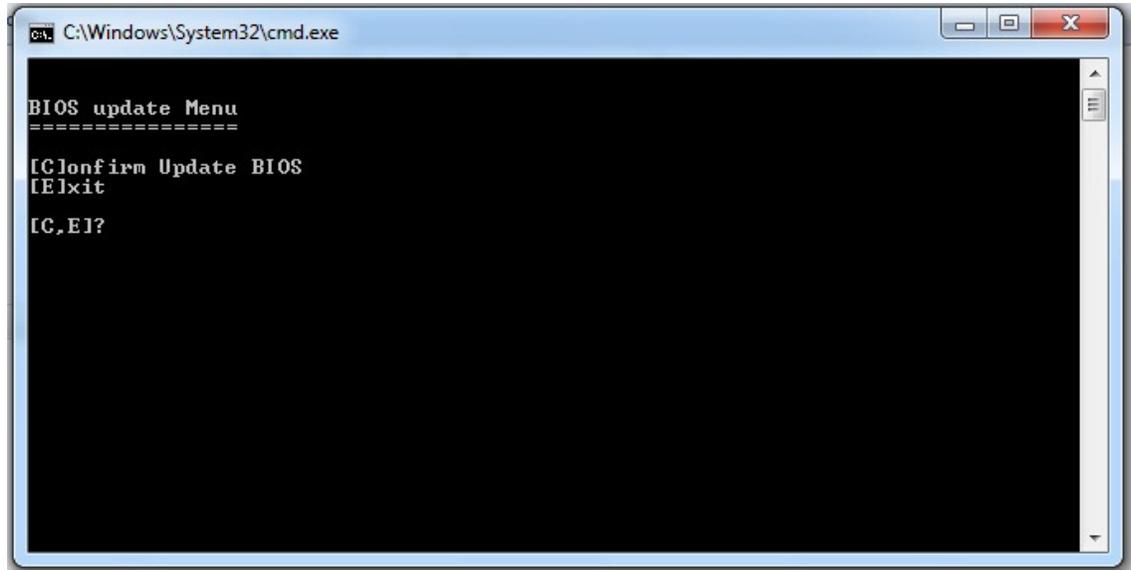
[M]ain menu or [E]xit. [M,E]?_
```



Update BIOS from Windows (option U)

Press C to confirm update BIOS.

Press E for exit without action.

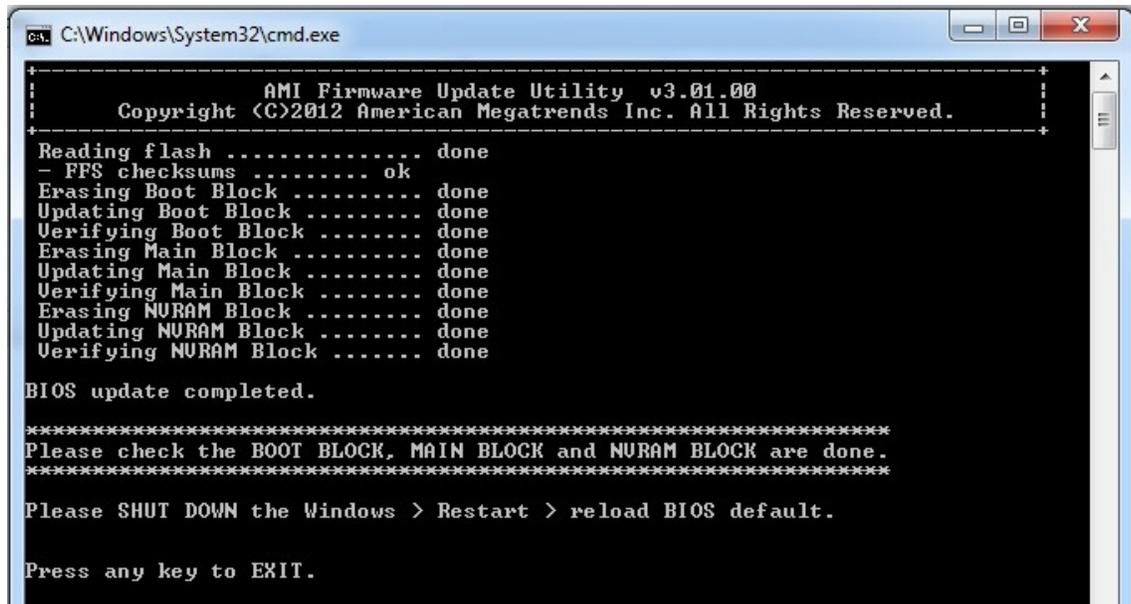


```
C:\Windows\System32\cmd.exe

BIOS update Menu
=====
[C]onfirm Update BIOS
[E]xit
[C,E]?
```

After BIOS update complete, please check all update are “done”.

Press any to exit.



```
C:\Windows\System32\cmd.exe

-----
          AMI Firmware Update Utility v3.01.00
          Copyright (C)2012 American Megatrends Inc. All Rights Reserved.
-----
Reading flash ..... done
- FFS checksums ..... ok
Erasing Boot Block ..... done
Updating Boot Block ..... done
Verifying Boot Block ..... done
Erasing Main Block ..... done
Updating Main Block ..... done
Verifying Main Block ..... done
Erasing NURAM Block ..... done
Updating NURAM Block ..... done
Verifying NURAM Block ..... done

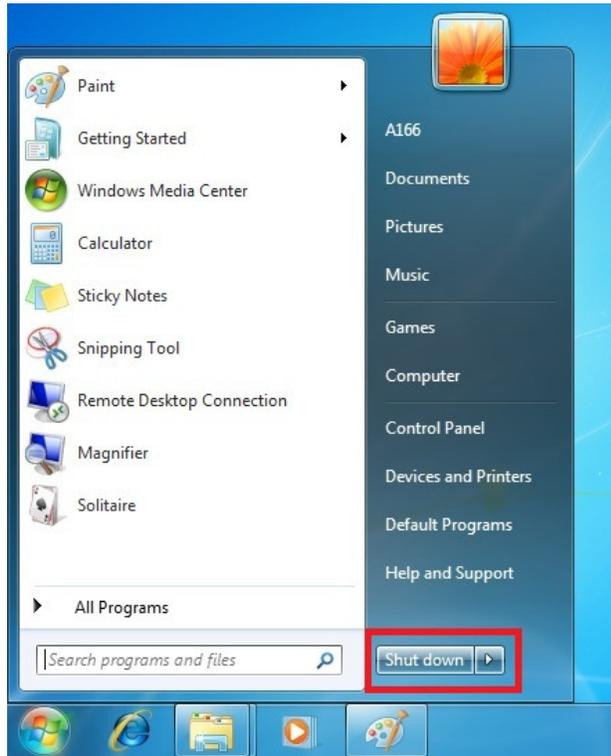
BIOS update completed.

*****
Please check the BOOT BLOCK, MAIN BLOCK and NURAM BLOCK are done.
*****

Please SHUT DOWN the Windows > Restart > reload BIOS default.

Press any key to EXIT.
```

Press **SHUTDOWN** Windows.



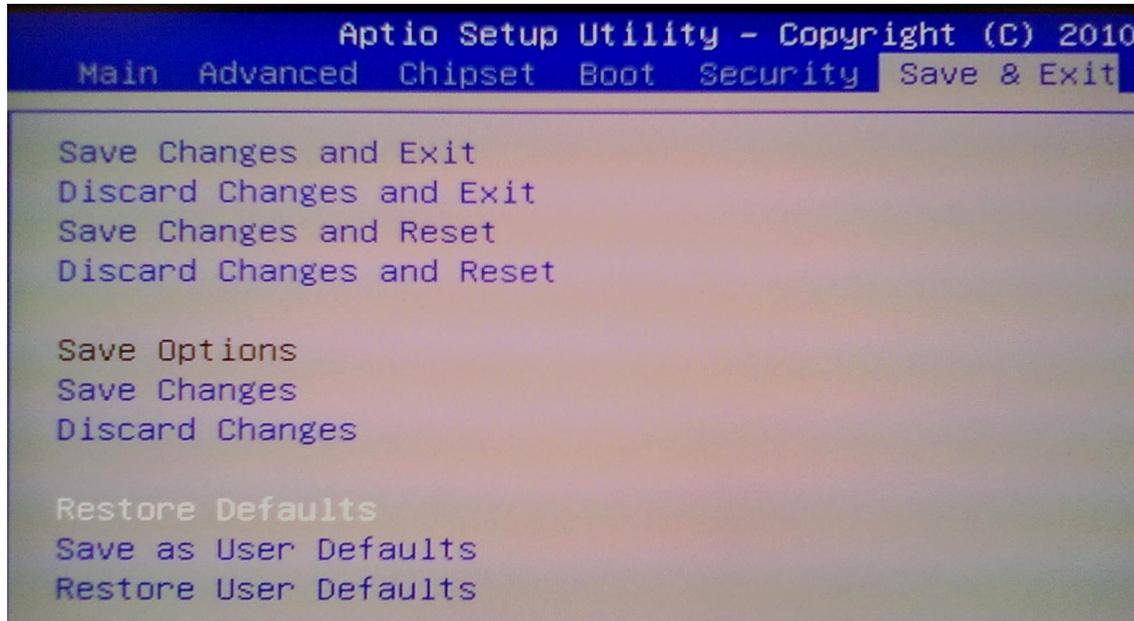


Restore BIOS default settings

Power on the PC.

Press DEL to Run SETUP

In Save & EXIT menu, Restore Defaults.



Save Changes and Exit.



Restore BIOS from Windows (option R)

Please rename your restore BIOS file as “backup.rom” and place in the C:\BIOS folder.

The backup.rom file name and location are pre-defined and not changeable. If the file does not exist, the program will prompt “Error: Problem opening file for reading”. The BIOS will not update.

Press C to confirm restore.

Press E for exit without action.



```
C:\Windows\System32\cmd.exe

Restore BIOS Menu
=====

[C]onfirm Restore BIOS
[E]xit

*****
This process will restore the BIOS from "backup.rom" image.
*****

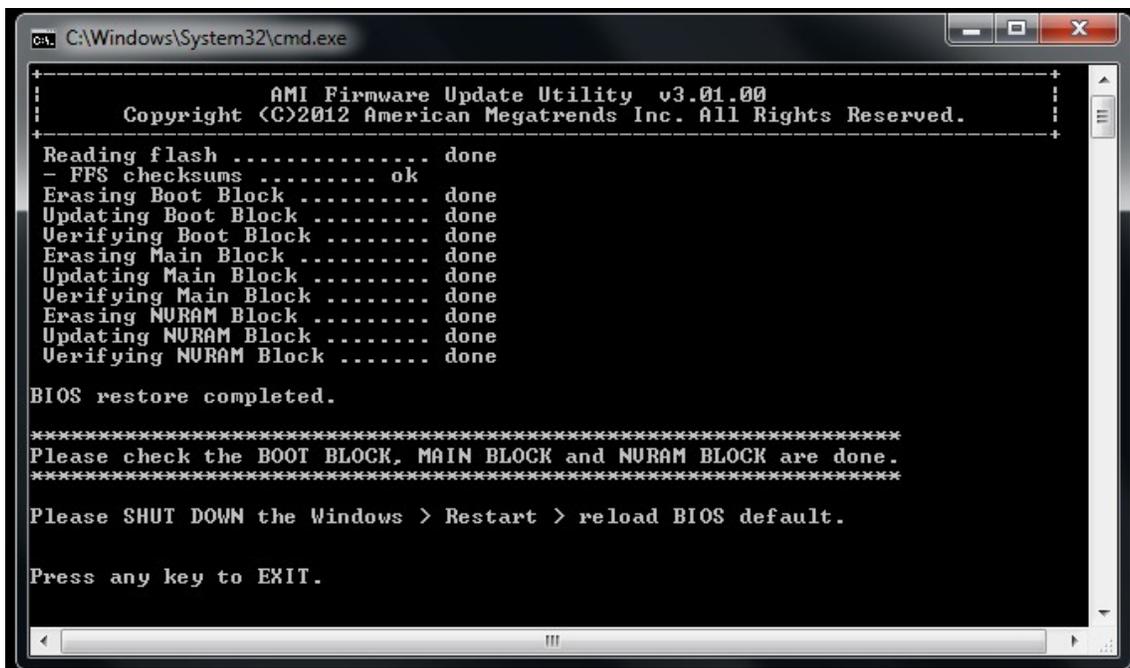
[C,E]?_
```

After BIOS restore complete, please check all update are “done”.

Press any to exit.

Shut down the PC.

Restore the default settings by following the instructions from Page 6.



```
C:\Windows\System32\cmd.exe

+-----+
|                AMI Firmware Update Utility  v3.01.00                |
|   Copyright (C)2012 American Megatrends Inc. All Rights Reserved.   |
+-----+

Reading flash ..... done
- FFS checksums ..... ok
Erasing Boot Block ..... done
Updating Boot Block ..... done
Verifying Boot Block ..... done
Erasing Main Block ..... done
Updating Main Block ..... done
Verifying Main Block ..... done
Erasing NURAM Block ..... done
Updating NURAM Block ..... done
Verifying NURAM Block ..... done

BIOS restore completed.

*****
Please check the BOOT BLOCK, MAIN BLOCK and NURAM BLOCK are done.
*****

Please SHUT DOWN the Windows > Restart > reload BIOS default.

Press any key to EXIT.
```



MS-DOS BACKUP and UPDATE BIOS – AMI EFI BIOS

Backup existing BIOS

Boot up from MS-DOS without autoexec.bat and config.sys

Execute command: AFU301.EXE [backup file name].ROM /o (English letter O)

```
C:\BIOS>afu301 backup.rom /o
+-----+
|                                     AMI Firmware Update
|      Copyright (C)2012 American Megatrends Inc.
+-----+
Saving current BIOS into file: backup.rom
Reading flash ..... done

C:\BIOS>
```

Update BIOS

Boot up from MS-DOS without autoexec.bat and config.sys

Place the BIOS file in the same folder of the AFU301.EXE utility.

Execute command: AFU301.EXE /p /n /b /r [update BIOS .ROM / .BIN file]

The BIOS binary file could be ROM or BIN extension.

All BIOS update options must be added.

```
C:\BIOS>afu301 a179.rom /p /n /b
+-----+
|                                     AMI Firmware Update Utility v3
|      Copyright (C)2012 American Megatrends Inc.
+-----+
Reading flash ..... done
- FFS checksums ..... ok
Erasing Boot Block ..... done
Updating Boot Block ..... done
Verifying Boot Block ..... done
Erasing Main Block ..... done
Updating Main Block ..... done
Verifying Main Block ..... done
Erasing NVRAM Block ..... done
Updating NVRAM Block ..... done
Verifying NVRAM Block ..... done

C:\BIOS>_
```

Then, make sure the update is success completed.

Turn OFF the PC.

After update complete, restore BIOS default settings by following the instructions from Page 6.

~end~