

## Hardware Hacking - Bug #654

### Restoring A Bricked HP DV6700 Notebook BIOS

09/02/2015 01:41 PM - Daniel Curtis

<b>Status:</b>	Closed	<b>Start date:</b>	09/02/2015
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	Daniel Curtis	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	2.00 hours
<b>Target version:</b>		<b>Spent time:</b>	4.50 hours

#### Description

I recently updated my HP dv6700 laptop to Windows 7, and some time later I noticed a problem with the laptops performance that could be solved with a BIOS update. However, the BIOS update utility I downloaded from the HP support site was designed for Windows Vista, so running the update utility on my new Windows 7 drive rendered my laptop useless; screen backlight not coming on, no hard drive light activity, no display on the screen, etc. These are some notes on how I recovered my laptop.

**THE BIOS CANNOT BE UPDATED WITH WINDOWS 7, IT MUST BE UPDATED USING WINDOWS VISTA.**

#### Make a Recovery USB Disk

- Download and install 7zip
- First locate the BIOS for the specific laptop. This can be found at the HP support site.
  - **NOTE:** I needed to use an older version of the BIOS firmware to get it working right.
- Right click on the spXXXXX.exe and use 7zip to extract it into a folder.
- Download a copy of Crisdisk. I have a copy available for posterity.
- Extract Crisdisk and open the folder Crisdisk was extracted to.
- Copy the YYYYYYYY.WPH file into the directory where Crisdisk was extracted to.
- Rename the YYYYYYYY.WPH file to **BIOS.WPH**
- Right click on the WINCRIS.EXE application and go to Properties -> Compatibility, and set the Compatibility Mode to **Windows XP Service Pack 3**.
- Insert a USB drive that can be formatted.
- Run the WINCRIS.EXE application
- Once the WINCRIS applicaiton is open select the USB drive to use and click **Start**
- When the USB drive is finished formatting and setup, it can be removed without needing to eject it.

#### Reflash the BIOS

- Unplug all cords, accessories, and the battery from the laptop.
- Plug the laptop into AC power.
- Take the USB drive and plug it into the laptop
- Press and hold the **Windows and B Keys**
- While holding the Windows and B Keys, press the **Power** button.
- The laptop will boot up and the USB drive should begin blinking and the laptop should beep.
- Wait for the laptop to power off by itself. This process should take around **10 minutes**.

## Resources

- [http://support.hp.com/us-en/drivers/selfservice/HP-Pavilion-dv6800-Entertainment-Notebook-PC-series/3672909/model/3708188#Z7\\_3054ICK0KGTE30AQO5O3KA30R1](http://support.hp.com/us-en/drivers/selfservice/HP-Pavilion-dv6800-Entertainment-Notebook-PC-series/3672909/model/3708188#Z7_3054ICK0KGTE30AQO5O3KA30R1)
- <http://h30434.www3.hp.com/t5/Notebook-Operating-Systems-and-Software/HP-Pavilion-laptop-dv7-bios-update-failed-Black-screen/td-p/341896/page/3>
- <http://support.hp.com/us-en/document/c02693833>
- <http://h30434.www3.hp.com/t5/Notebook-Operating-Systems-and-Software/How-to-flash-BIOS-without-having-HP-Tools-Partition/td-p/533561>
- <https://www.bios-mods.com/bios-recovery/phenix-bios-recovery/>
- <https://gammarco.wordpress.com/2013/02/25/dead-hp-pavillion-dv6635el-after-last-bios-update-black-screen/>

## History

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### #1 - 09/02/2015 01:46 PM - Daniel Curtis

- Status changed from *New* to *In Progress*

- % Done changed from 0 to 50

### #2 - 09/02/2015 02:01 PM - Daniel Curtis

- File *CRISDISK.zip* added

### #3 - 09/02/2015 02:03 PM - Daniel Curtis

- Status changed from *In Progress* to *Resolved*

- % Done changed from 50 to 100

### #4 - 11/27/2015 04:47 PM - Daniel Curtis

- Status changed from *Resolved* to *Closed*

## Files

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CRISDISK.zip

713 KB

09/02/2015

Daniel Curtis