Configuring the Sentinel System Driver V5.41 for Notebooks with Hardlock Recognition Issues.

- 1. Download the latest BIOS (patch) from the notebook's manufacturer web site.
- 2. Download the latest Sentinel System Driver, SSD5.41.
- 3. Install the SSD5.41 Sentinel System Driver as normally.
- 4. In Toshiba Hardware, set the printer port to ECP.
- 5. Go to Control Panel/Administration Tools/Device Manager and expand the serial/parallel port. Double click the printer port. Set the port to address 378, IRQ 7 and DMA to 3. One of the standard settings in the drop-down list has this configuration.
- 6. Reboot the system.

After Reboot:

- 1. Start the driver configuration utility, SetupSysDriver.exe. It is usually located at C:\Program Files\Rainbow Technologies\Sentinel System Driver
- 2. Click the "Configure Driver" button as can be seen in the picture below.

🔏 Sentinel System Driver	
Eile Tools Yiew Help	
Add/Repair/Remove installation Configure Driver Stop NT parallel driver	Rainbow Technologies Sentinel System Driver Configuration Utility
Installed driver version Version 5.41 for Windows NT/2000	D detected.
Ready	

3. The following dialog will be displayed. Click the "Add" button.

Sen	tinel Drive	r						X
			I	Ports				
	Physical Address	Port Type	Bus # Bus Type	Addr Space	DOS Addr	Use?	Created By	
		USB	USB			Yes	System	
		<u>A</u> dd	<u>}</u> emove <u>E</u> dit	<u>0</u> K	<u>C</u> ancel	<u>H</u>	elp A <u>b</u> out	

4. The following dialog will be displayed. Enter 378 into the I/O address of the PCI parallel port adapter into the "Bus Address" field.

Add Port			×			
Use this port?	⊙Yes ON	lo				
Bus Address:	378		<u>0</u> K			
Bus Number:	Bus O 💌		Consert			
Bus Type:	ISA 💌		Lancel			
Address Space:	1/0 💌		<u>H</u> elp			
Port Type	IBM AT	•				
Autodetect Used?						
Port Ownership Method:						
🗹 Auto 🔲 System 🔲 Raise Priority						
Acquisition Timeout (ms):	10000					

5. Click the "OK" button and the following dialog will appear:

Sentinel I	Driver X
⚠	You are about to change the settings of this port. Chick 'OK' to continue, 'Cancel' to go back.
	Cancel

6. Click the *OK* button and the following dialog appears. It shows that a User Created port has been added at address 378.

entinel Drive	r	i j			1			×
Po								
Physical Address	Port Type	Bus #	Bus Type	Addr Space	DOS Addr	Use?	Created By	
378	USB IBM AT	 0	USB ISA	 1/0		Yes Yes	System User	
	bhA	Bemove	Edit		Cance	П	eln About]
	Aaa	Wemoke	Ealt		Lance		eip <u>Apout</u>	

7. Click the OK button to close the dialog and then open the File menu and choose Exit to close the Sentinel System Driver Configuration Utility.