

# Guide to Smart Boot Diagnosis Tool

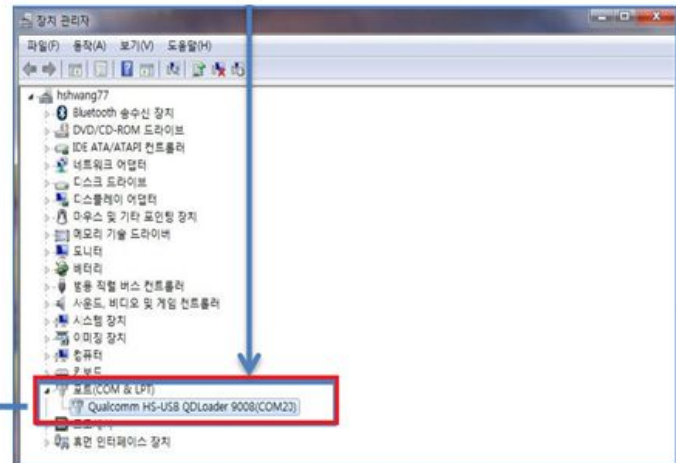
<b>Model</b>	G3 series	<b>Date</b>	6 <sup>th</sup> Nov 2014	<b>Country</b>	Global
<b>Revision</b>	Rev 3.1	<b>Type</b>	H/W	<b>Buyer</b>	All
<b>Contents</b>	<input type="checkbox"/> Service Information <input checked="" type="checkbox"/> Guide <input type="checkbox"/> Notification		<b>Target</b>	<input checked="" type="checkbox"/> BRC <input checked="" type="checkbox"/> DSC <input checked="" type="checkbox"/> ASC <input type="checkbox"/> CIC	

## Guide to Smart Boot Diagnosis Tool

### ※ Outline 1 : G3 Series “No Power on” Issue Repair Process.

Smart Boot Diagnosis tool can only use below condition ( QDLoader Mode )

- “No power on” sample only (Freeze/ Auto power off sample can not use yet)
- When you connected the Phone to PC, if QHS USB Driver(Port) is not detected, you can not use this Tool..



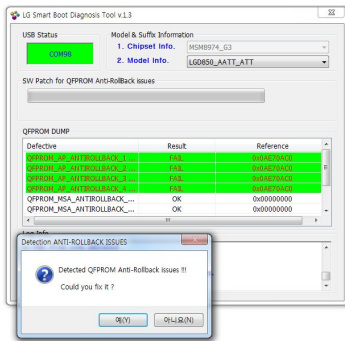
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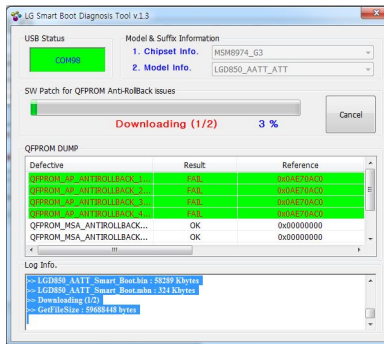
## Guide to Smart Boot Diagnosis Tool

### ✳ Outline 2 : G3 Series “No Power on” Issue Repair Process.

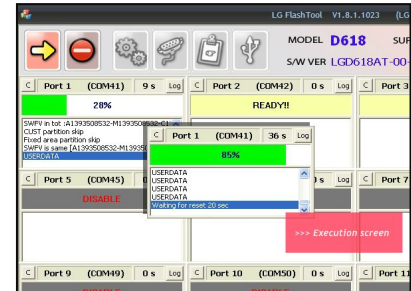
#### 1. Check the Anti-RollBack Issue.



#### 2. Download the Recovery file.



#### 3. S/W Download the New Version.



### [Caution]

- If you have no Recovery file, you can't Run Smart Boot Diagnosis Tool.  
- D:/AP\_Chip/MSM8974\_G3\_Recovery/Model folder/\*.bin & \*mbn
- Smart Boot Diagnosis Tool (Zip file) is going to continuously Update the B2B Notification.
- After downloading Recovery file, You should download the latest S/W Version.
- \*. For detail process, you refer to the next page(page2~).

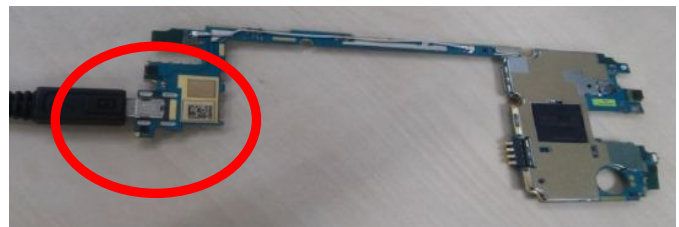
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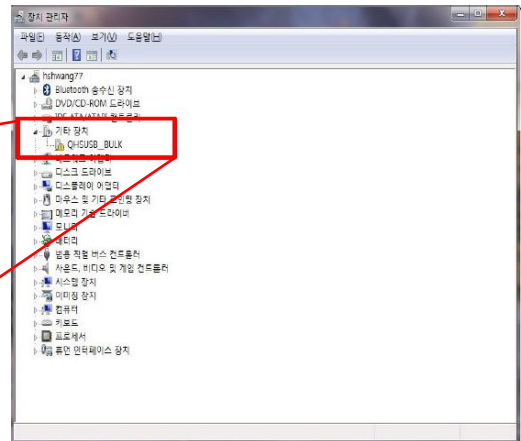
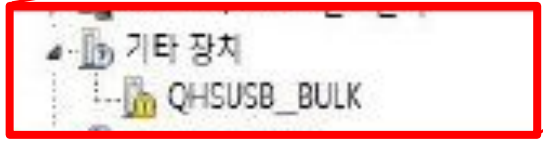
## Guide to Smart Boot Diagnosis Tool

### I. QHS-USB Driver Setting (32Bit)

1. Connect USB cable between defective Phone and PC  
- Symptom: No power on



2. Find unknown device in device manager.  
- USB Status : QHSUSB\_BULK  
**(If Qualcomm QHS-USB Driver is not installed, your PC will display "QHSUSB\_BULK".)**  
- QHS-USB driver must be installed before.  
**(For driver installation, refer to the next page.)**



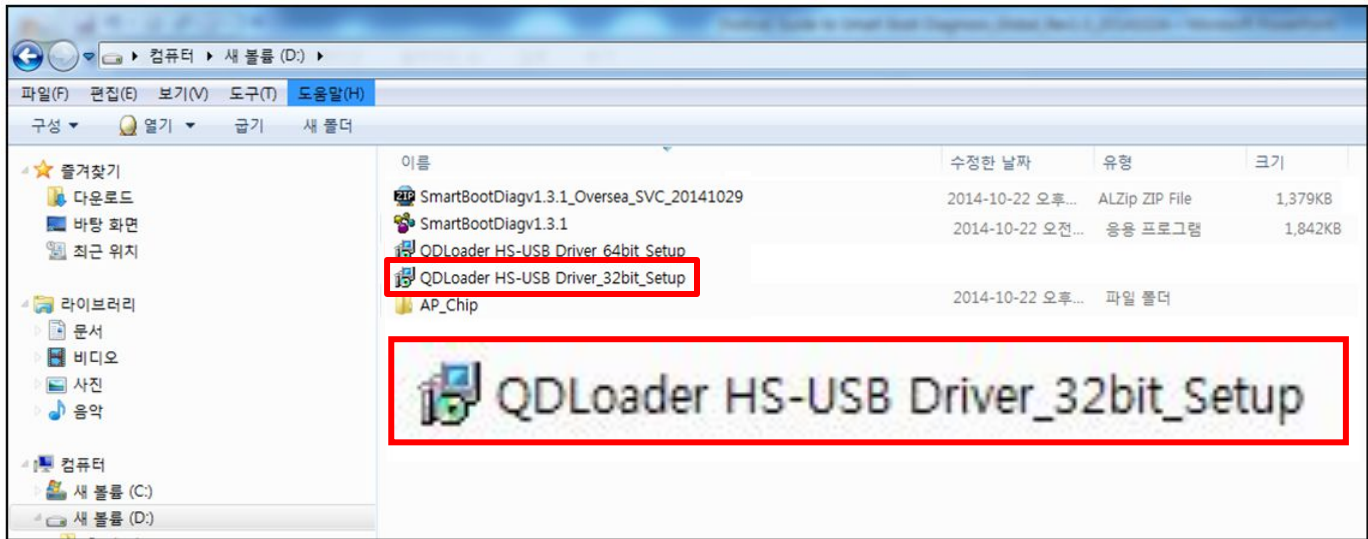
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## Guide to Smart Boot Diagnosis Tool

### I . QHS-USB Driver Setting (32Bit)

#### 3. Check the QDLoader HS-USB Driver.



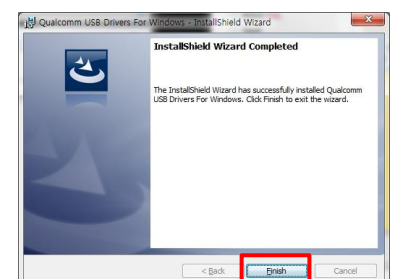
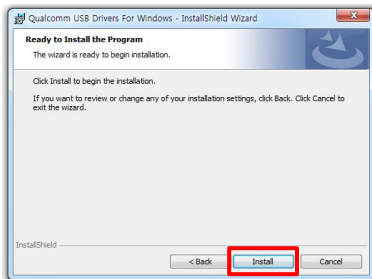
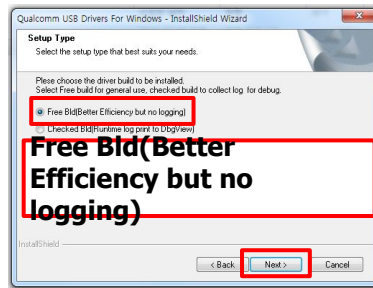
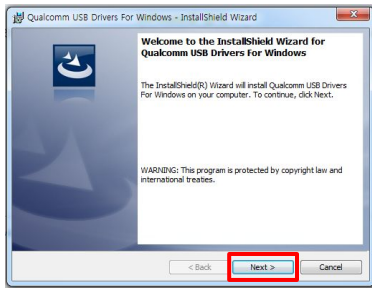
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## Guide to Smart Boot Diagnosis Tool

### I. QHS-USB Driver Setting (32Bit)

#### 4. install the QDLoader HS-USB Driver.



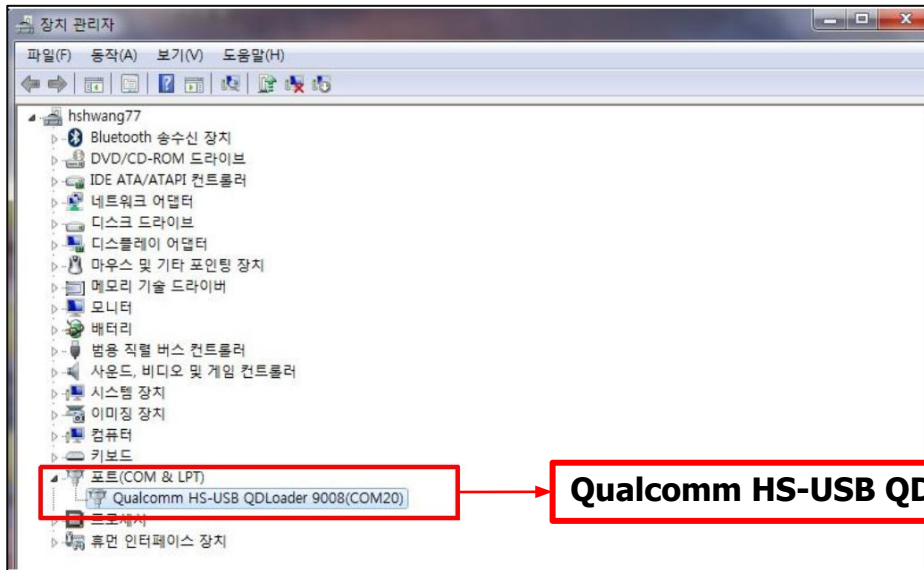
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## Guide to Smart Boot Diagnosis Tool

### I . QHS-USB Driver Setting (32Bit)

5. Check Qualcomm HS-USB QDLoader 9008 Port in device manager.  
 (QHS-USB Driver have been installed successfully.)



# Guide to Smart Boot Diagnosis Tool

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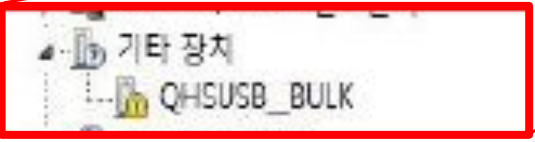
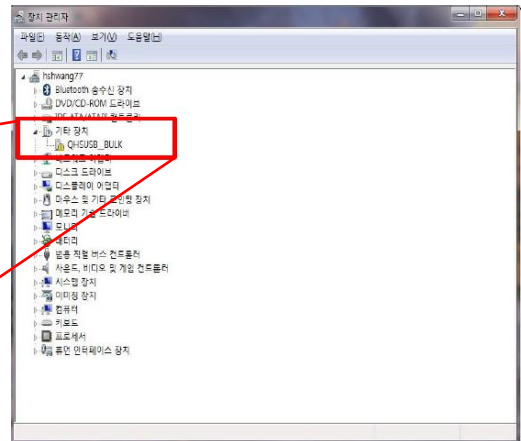
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- Symptom: No power on



2. Find unknown device in device manager.  
- USB Status : QHSUSB\_BULK  
**(If Qualcomm QHS-USB Driver is not installed, your PC will display "QHSUSB\_BULK".)**  
- QHS-USB driver must be installed before.  
**(For driver installation, refer to the next page.)**





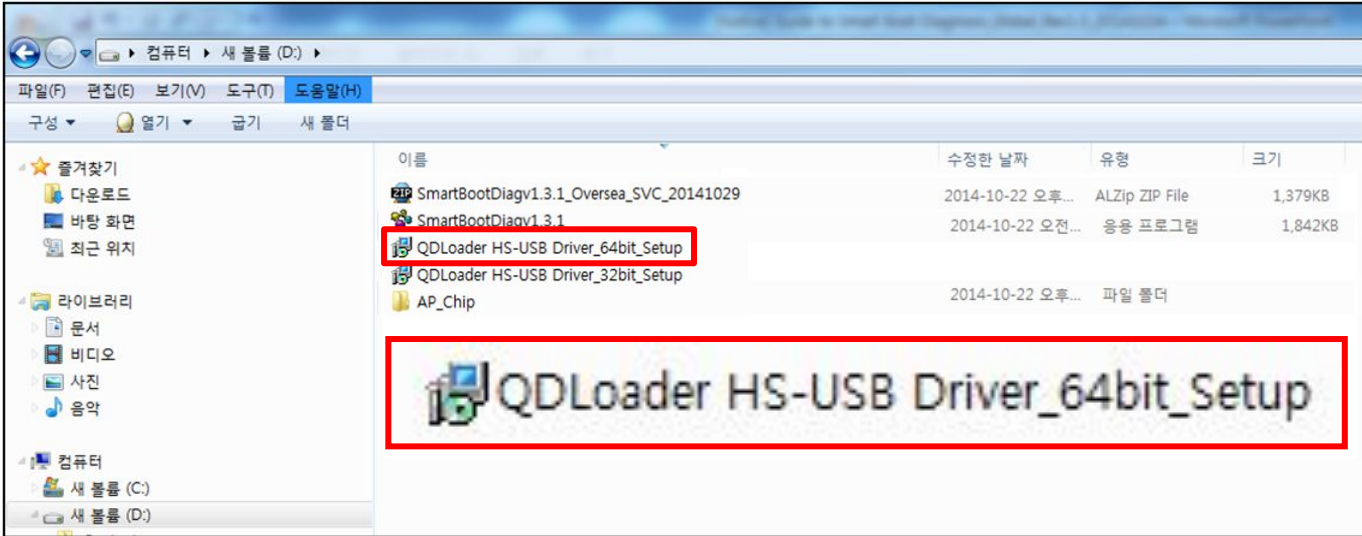
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## Guide to Smart Boot Diagnosis Tool

### I . QHS-USB Driver Setting (64Bit)

#### 3. Check the QDLoader HS-USB Driver.





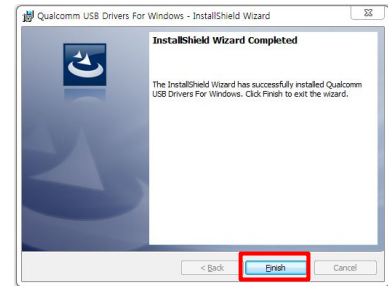
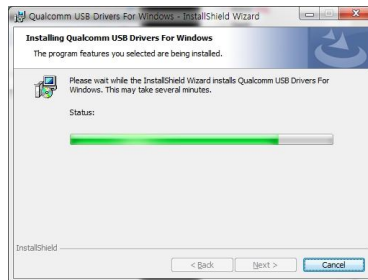
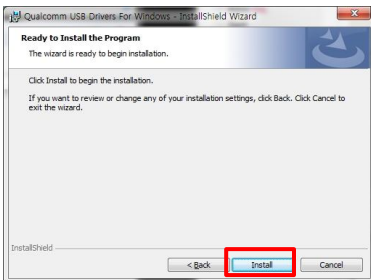
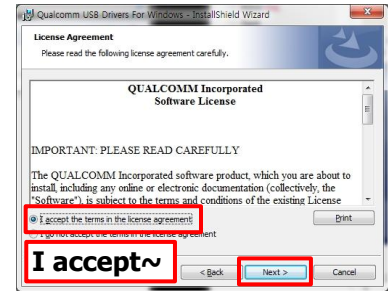
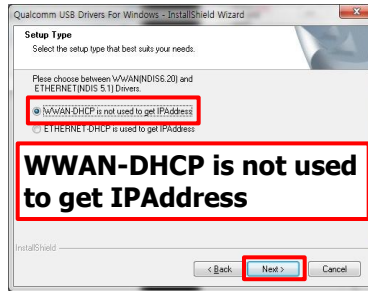
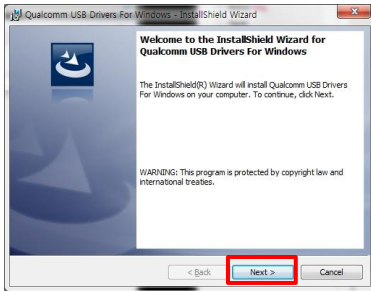
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## Guide to Smart Boot Diagnosis Tool

### I . QHS-USB Driver Setting (64Bit)

#### 4. install the QDLoader HS-USB Driver.





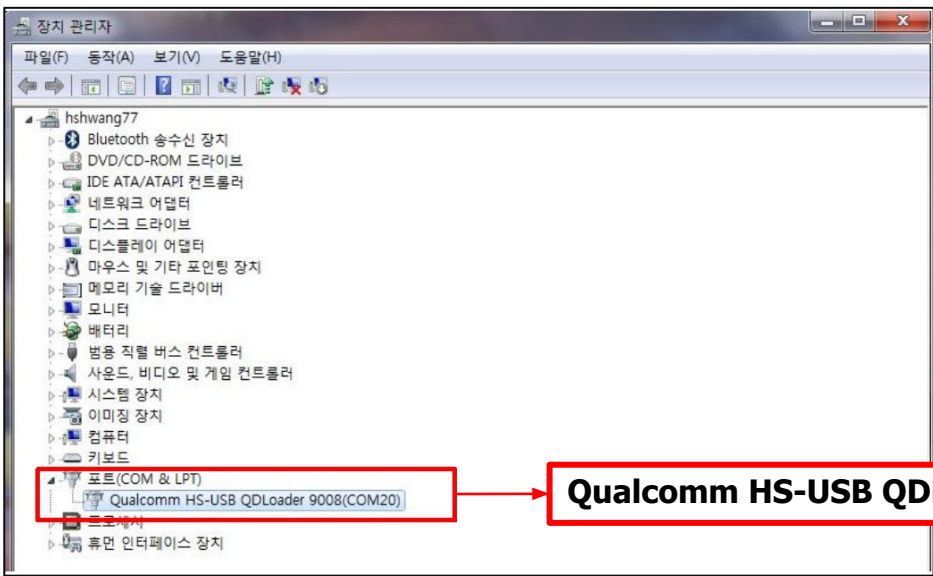
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## Guide to Smart Boot Diagnosis Tool

### I . QHS-USB Driver Setting (64Bit)

5. Check Qualcomm HS-USB QDLoader 9008 Port in device manager.  
(QHS-USB Driver have been installed successfully.)



**Qualcomm HS-USB QDLoader 9008(COM\*\*)**

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## Guide to Smart Boot Diagnosis Tool

### II. Pre-Condition

#### 1. Check the PC OS & System.

- Win XP / Win 7 : x32bit / X64bit

it is different X32bit's USB Driver & X64bit USB Driver.

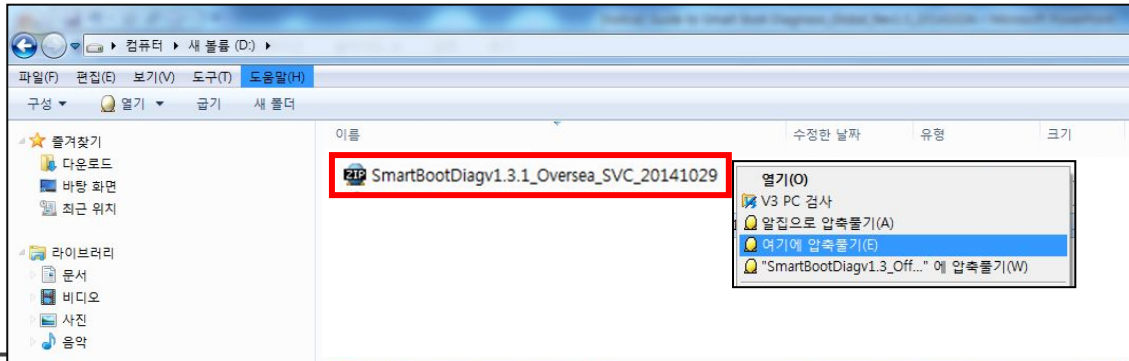
#### 2. Smart Boot Diagnosis tool can only use dedicated Qualcomm models.

(nVidia / Mediatek models can not use this tool)



### III. Smart Boot Diagnosis Tool Setting

#### 1. Download and Decompress a Zip file : folder (D:)



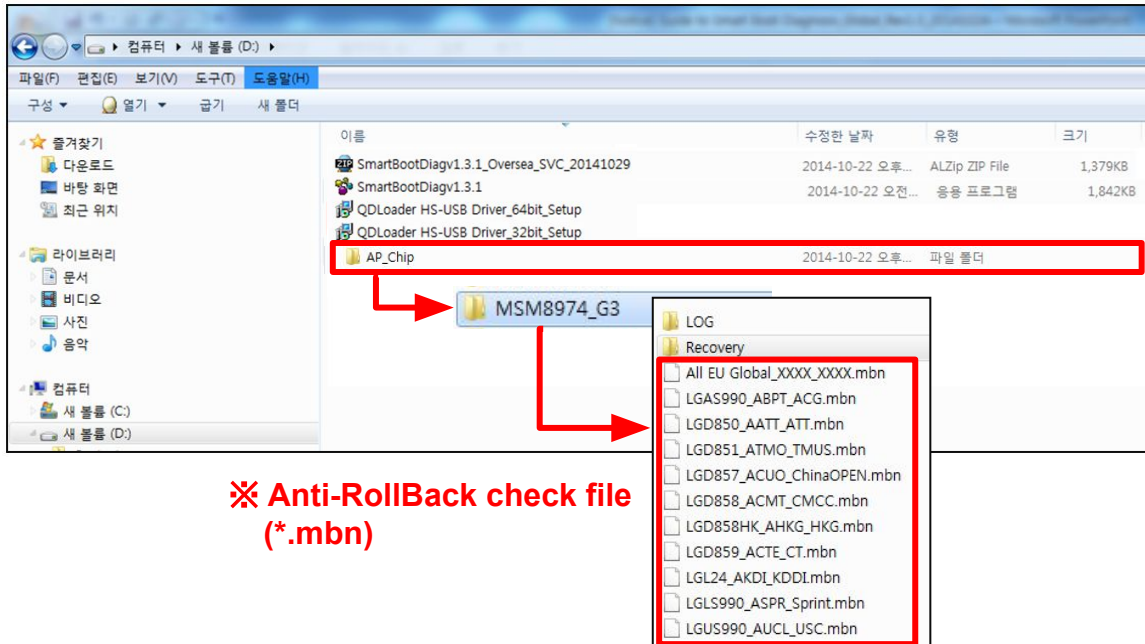
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## Guide to Smart Boot Diagnosis Tool

### III. Smart Boot Diagnosis Tool Setting

#### 2. Check the Configuration in Anti-RollBack check file Folder (. (D:/AP\_Chip/MSM8974\_G3)



**※ Anti-RollBack check file (\*.mbn)**

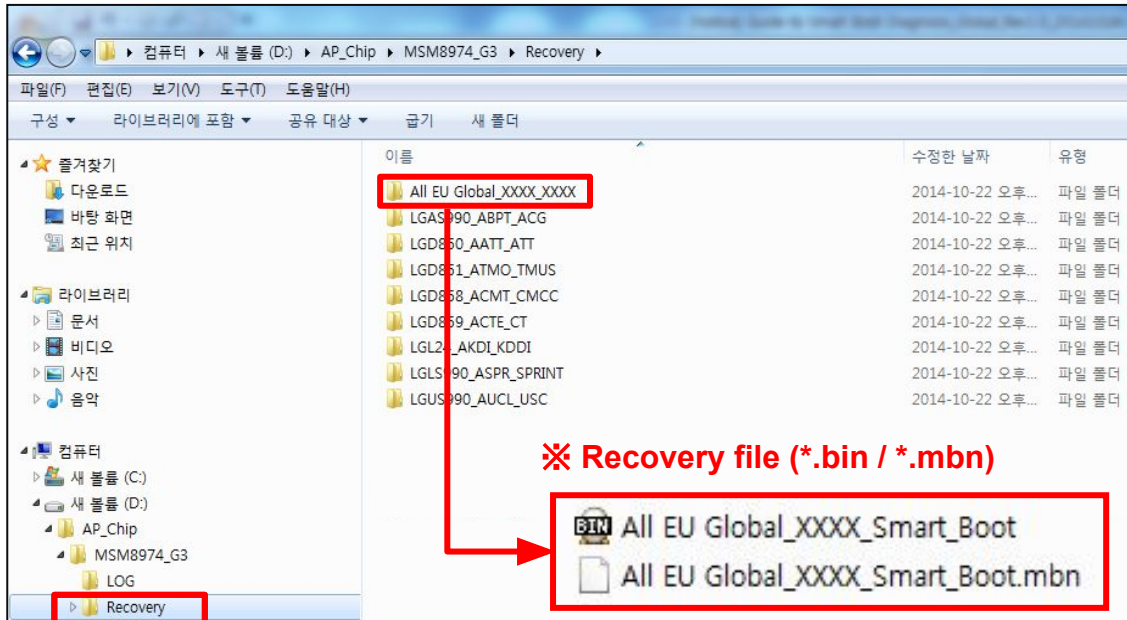
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## Guide to Smart Boot Diagnosis Tool

### III. Smart Boot Diagnosis Tool Setting

#### 3. Check the Configuration in Recovery file folder. (D:/AP\_Chip/MSM8974\_G3/Recovery/Model Folder)



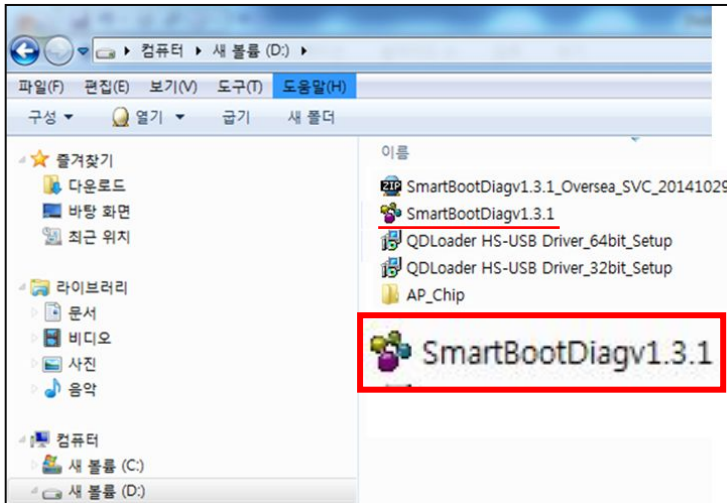
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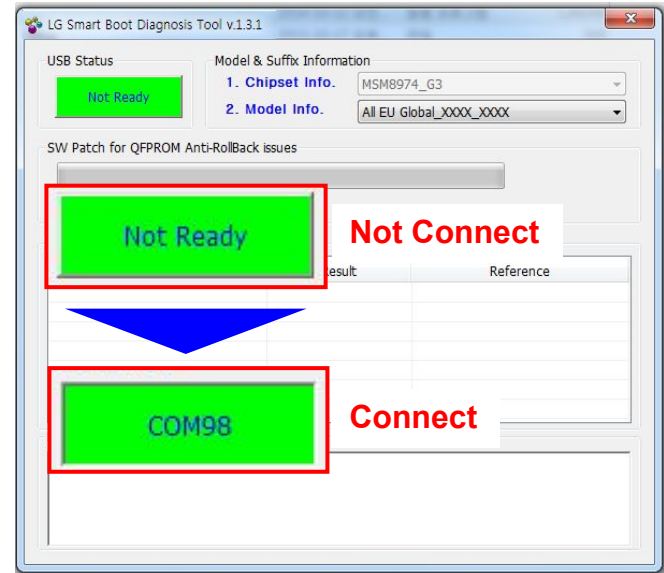
## Guide to Smart Boot Diagnosis Tool

### IV. Run Smart Boot Diagnosis Tool

#### 1. Double Click the SmartBootDiagV1.3.1.exe file.



#### 2. Connect the Phone and USB Cable.



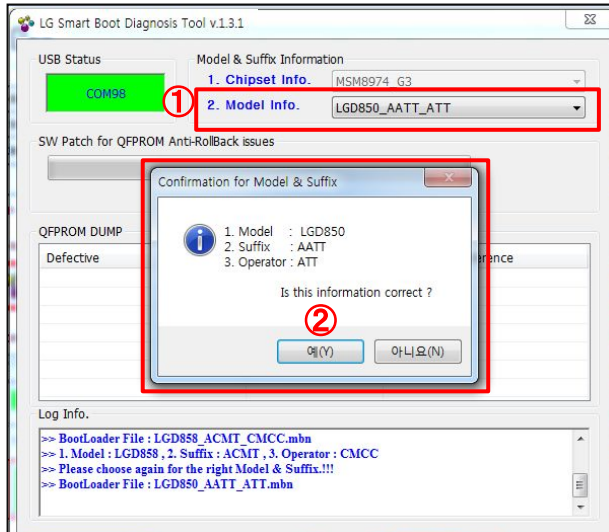
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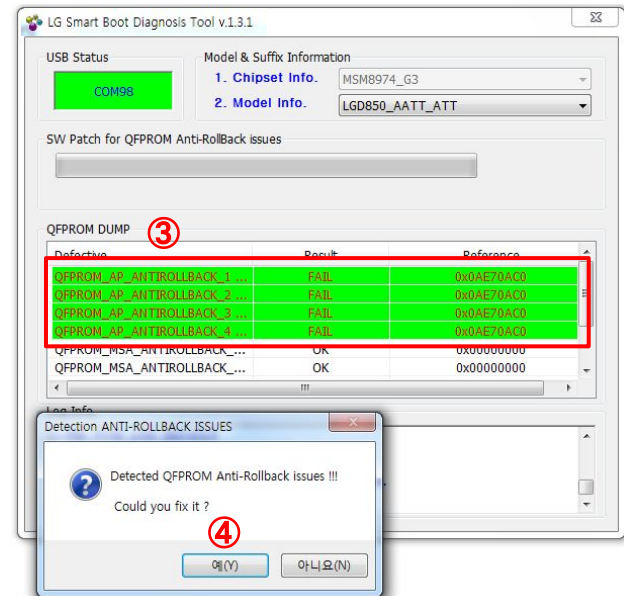
## Guide to Smart Boot Diagnosis Tool

### IV. Run Smart Boot Diagnosis Tool

#### 3. Detection Anti-RollBack Issue.



- ① Select the Model Info.
- ② Select "Yes"



- ③ Check the Anti-RollBack Result
- ④ If "FAIL" is over 1 item, Select "Yes"

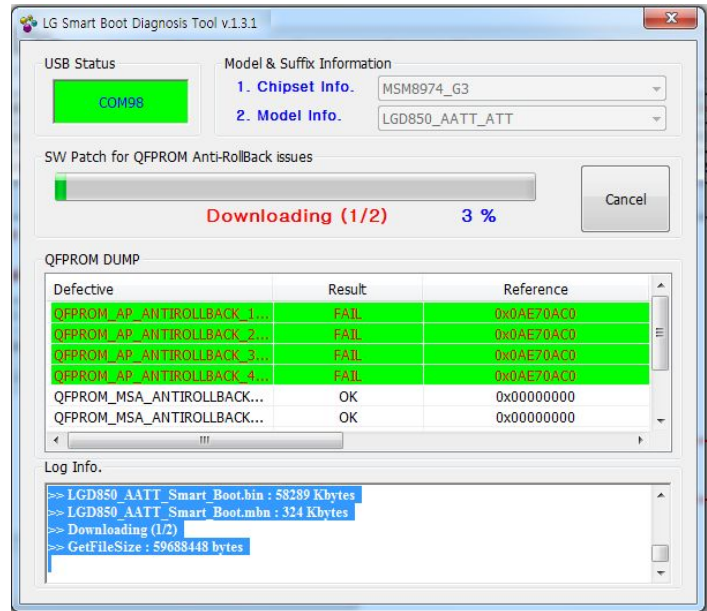
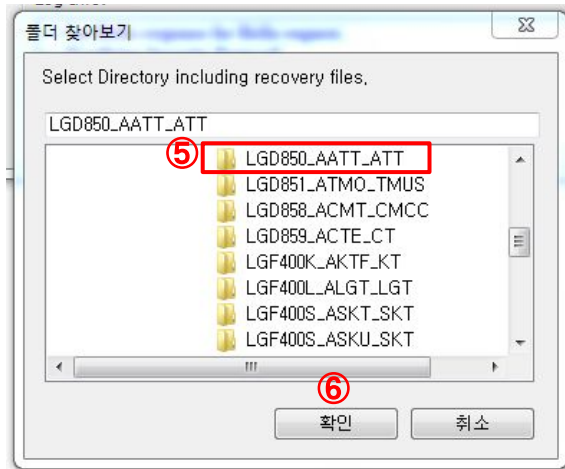
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## Guide to Smart Boot Diagnosis Tool

### IV. Run Smart Boot Diagnosis Tool

#### 3. Download the Recovery file.



- ⑤ Select the Recovery folder
- ⑥ Select "OK"



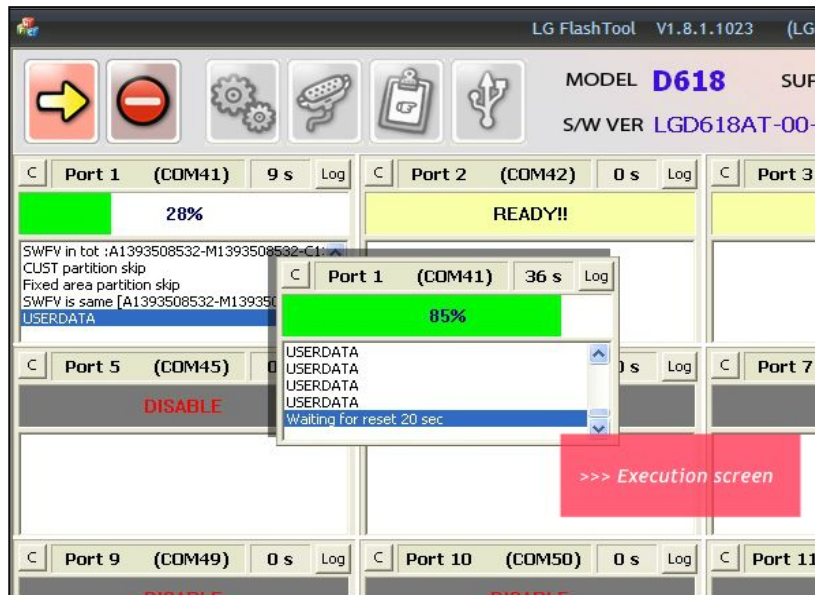
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## Guide to Smart Boot Diagnosis Tool

### V. S/W Download

1. Necessarily, You should download the Improved latest S/W Version.  
 (you should check the next page and use the latest SW version of the Suffix which is the Recovery file "OK".)

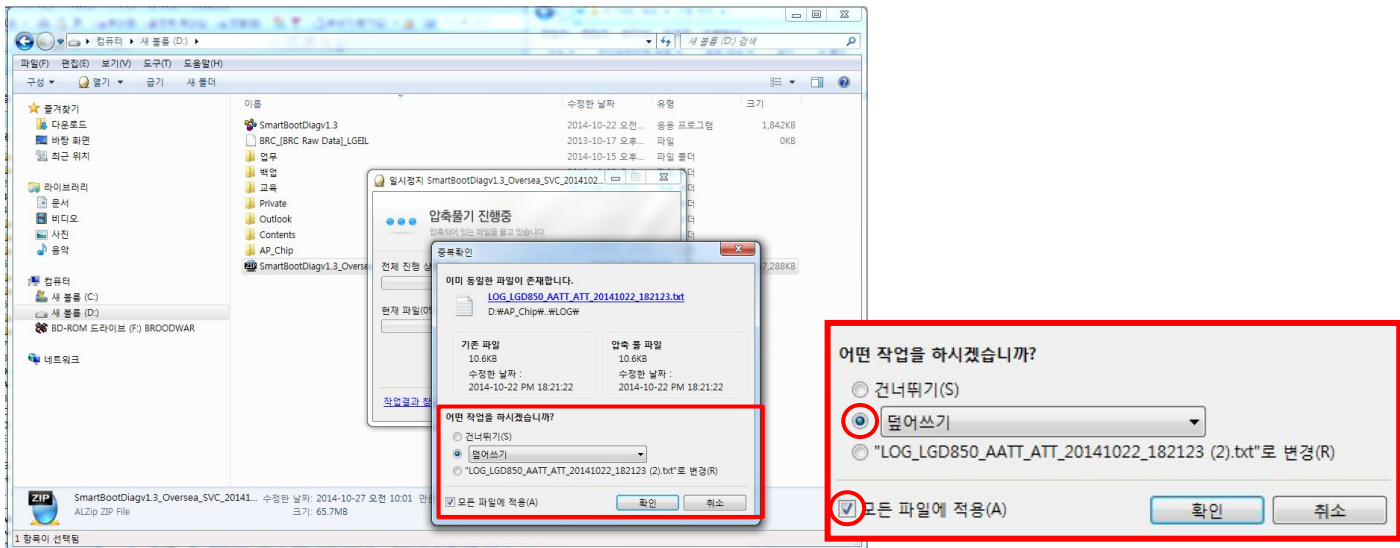


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<b>Guide to Smart Boot Diagnosis Tool</b>					

## VI. Tool Update

1. Download and Decompress a Zip file : folder (D:)
2. Overwrite all Files.
3. Erase Old \*.exe file.



The screenshot shows a Windows Explorer window displaying a folder named '새 폴더 (D:)'. Inside, there is a ZIP file named 'SmartBootDiagV1.3\_Oversea\_SVC\_20141...' with a size of 65.7MB. A context menu is open over the ZIP file, and the 'ZIP' option is selected. A dialog box titled '어떤 작업을 하시겠습니까?' (Which operation do you want to perform?) is displayed, with '덮어쓰기' (Overwrite) selected. Another dialog box titled '어떤 작업을 하시겠습니까?' is shown, with '덮어쓰기' selected. A third dialog box titled '어떤 작업을 하시겠습니까?' is shown, with '모든 파일에 적용(A)' (Apply to all files) selected. The '확인' (OK) button is highlighted in the final dialog box.

# Appendix. Recovery file & New S/W Ver update List (14106)

model.suffix	Recovery file	New S/W ver.
LGAS990.ABPTTN	OK	V10a
LGAS990.ABPTWH		V10a
LGD850.AATTTN		
LGD850.AATTWH		
LGD851TN.ATMOTN		
LGD851WH.ATMOWH		
LGUS990.AUCLWH		
LGUS990.AUCLTN		
LGVS985.AVRZTN	OK	VS98511C_0 0
LGVS985W.AVRZWH	OK	VS98511C_0 0
LGVS985B.AVRZBL	OK	VS98511C_0 0
LGVS985R.AVRZRD	OK	VS98511C_0 0
LGL24.AKDIBL	OK	V10e
LGL24.AKDIPK	OK	V10e
LGL24.AKDIWH	OK	V10e
LGD857.ACUOWH	OK	V10c
LGD857.ACUOTN	OK	V10c
LGD857.ACUOKG	OK	V10c
LGD858.ACMTWH	OK	V10c
LGD858.ACMTTN	OK	V10c
LGD858.ACMTKG	OK	V10c
LGD858HK.AHKGKG	OK	V10F
LGD858HK.AHKGTN	OK	V10f
LGD858HK.AHKGWH	OK	V10f
LGD859.ACTEWH	OK	V10g
LGD859.ACTETN	OK	V10g
LGD859.ACTEKG	OK	V10g