6. Level 1 Repair

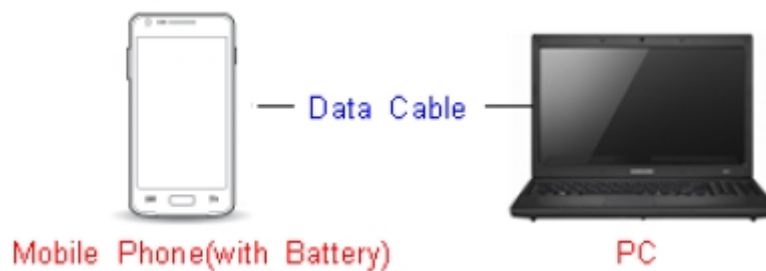## 6-1. S/W Update

6-1-1. Preparation

S/W Update program: **Fenrir 5.17.xxxx**

☐ Mobile Phone

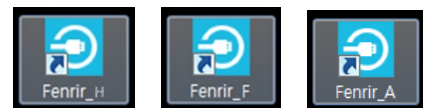☐ Data Cable

☐

※ **Settings**

Data Cable(B type) : **GH39-01710D**
Data Cable(C type) : **GH39-02003A**

6-1-2. How to use 'Fenrir' S/W update program.

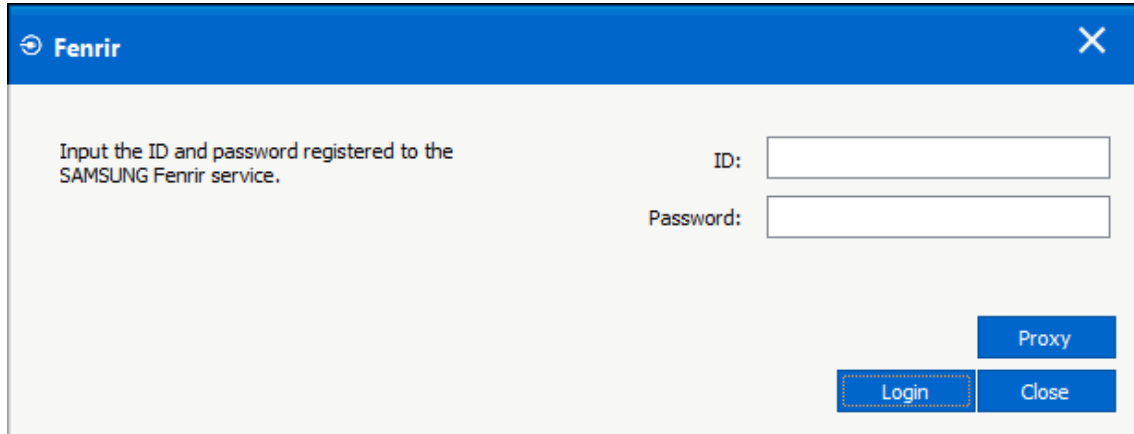1) Launch Fenrir by clicking on the icon on the desktop

 - SVH (Fenrir_Home) : It uses Home binary which does not have user data area in the memory when
   flashed to a device. (Keep user data)

 - SVC (Fenrir_Factory) : It uses Factory binary which erases all user data in the memory when flashed
   to a device. (Clear user data)

 - SVA (Fenrir_All) : It uses Factory and Home binaries. you can download Home and Factory binary
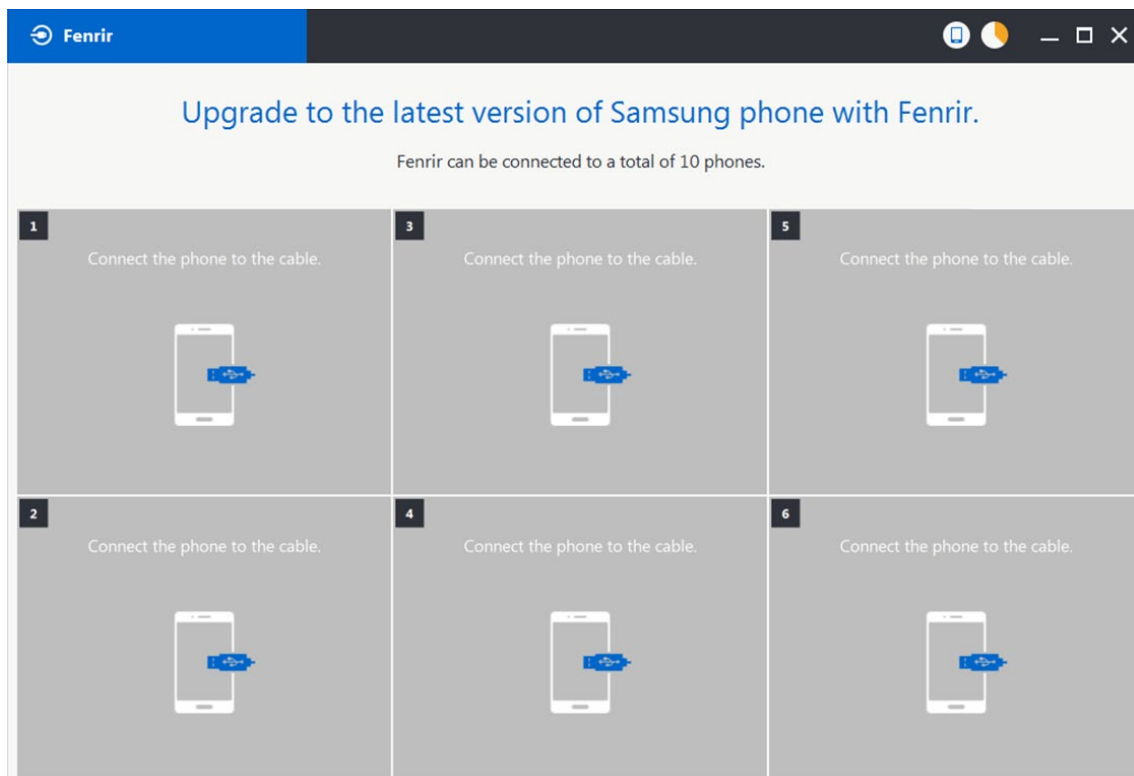   in a PC(but requires double HDD storage and NW traffic)

6. Level 1 Repair

2) Input ID & password
　※You need to reset the ID information in case of PC change and format and repair,
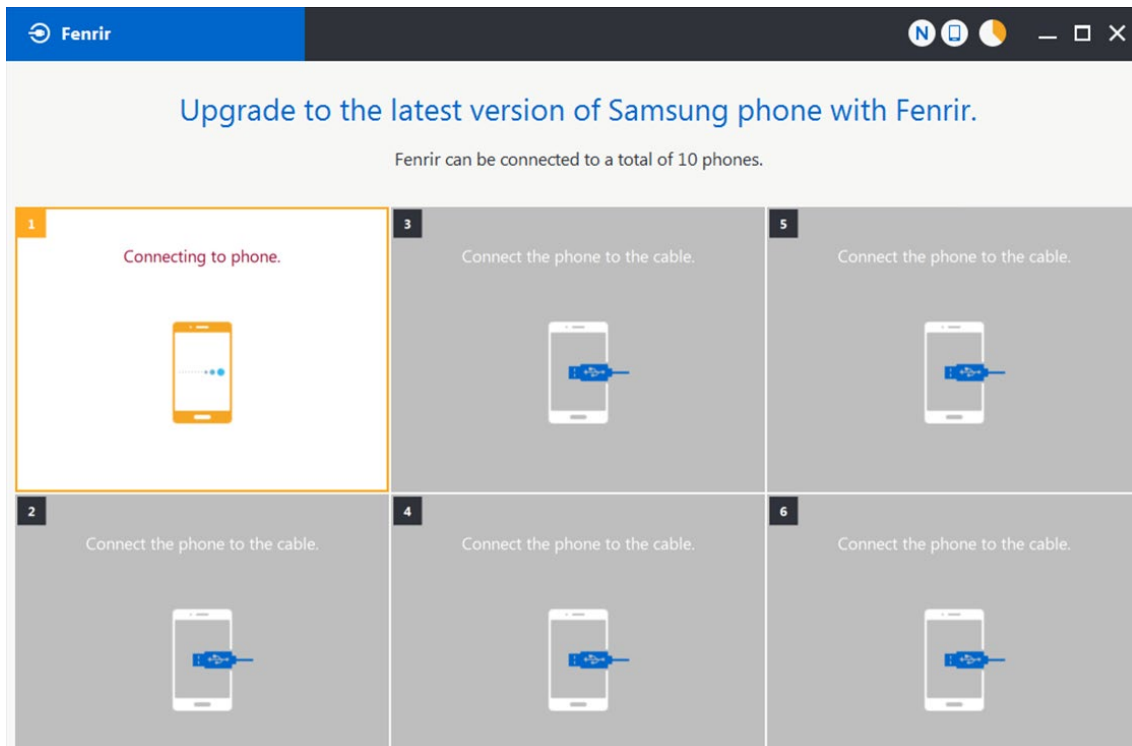　　hard disk change

3) Ensure device has sufficient charge (at least 20%) to start firmware update.

4) Connect the device to PC via data cable.
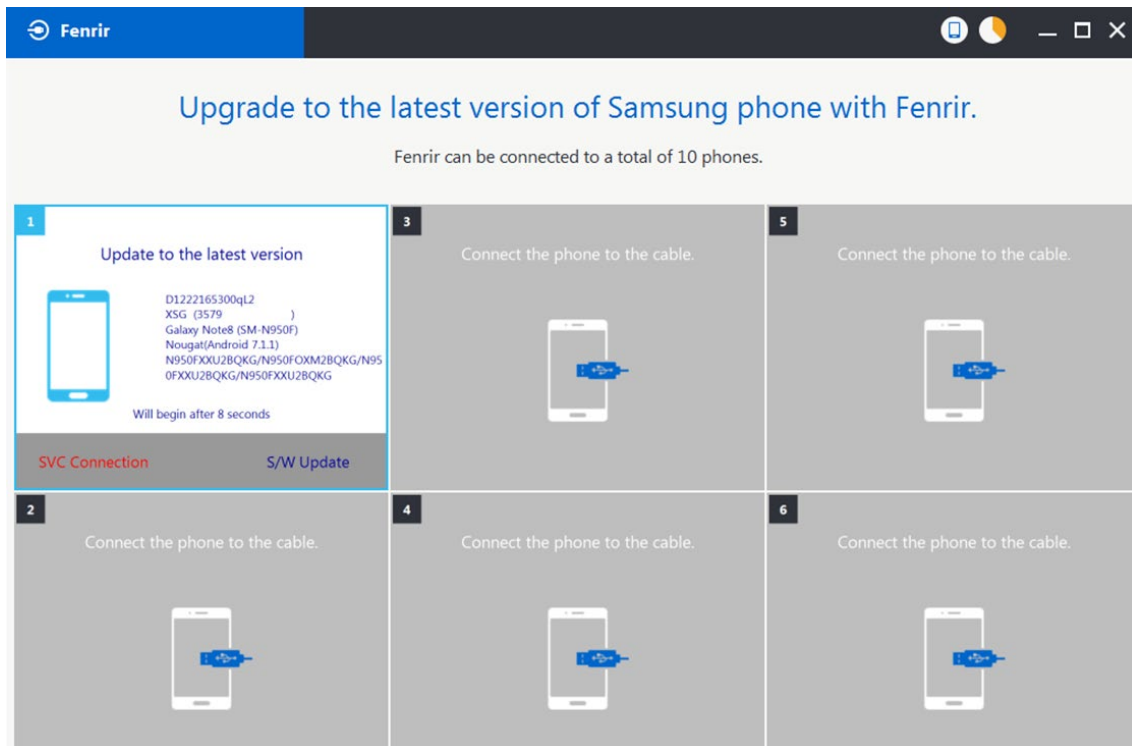
6. Level 1 Repair

5) Upon USB connection, you will be presented with below screen.

6) Once device is detected, you will be presented with below screen.
To update S/W, select "S/W Update" or to exit select "SVC Connection".
If you select "SVC Connection", only Fenrir connection history (record) will be stored
in the FUS server to support warranty validation.   (This is known as "Service Connection" history)
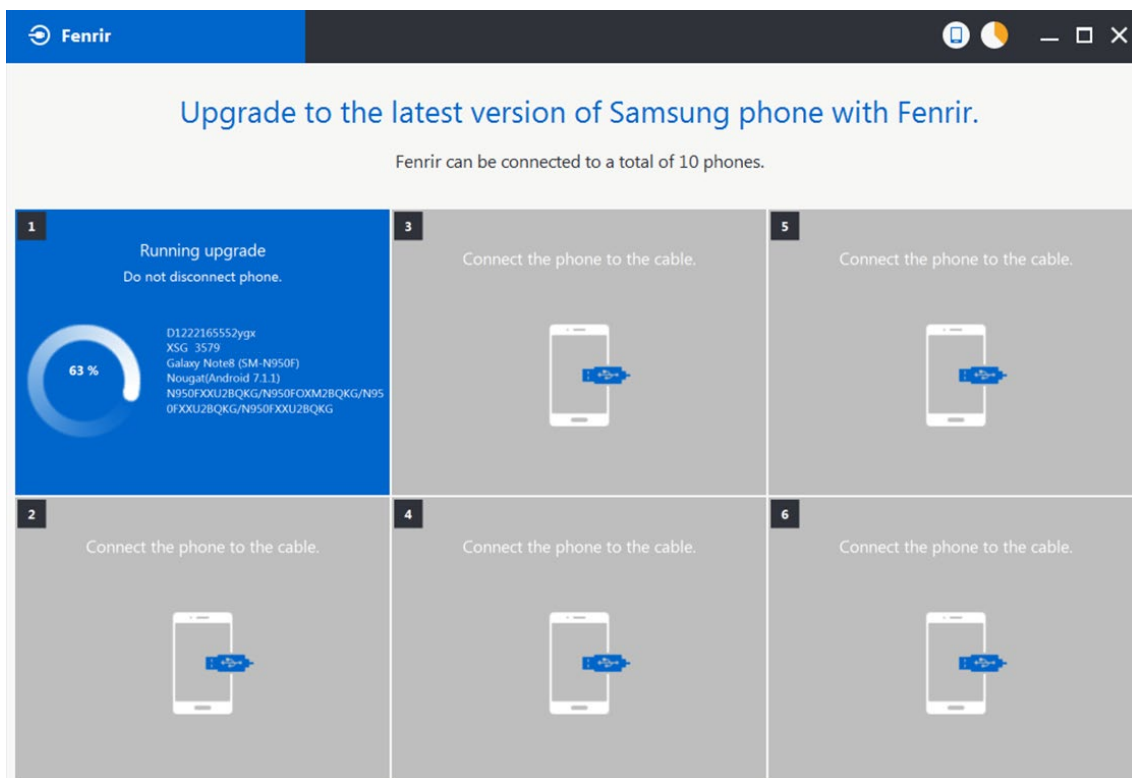
6. Level 1 Repair

7) Once Fenrir starts, application will display the below screen.
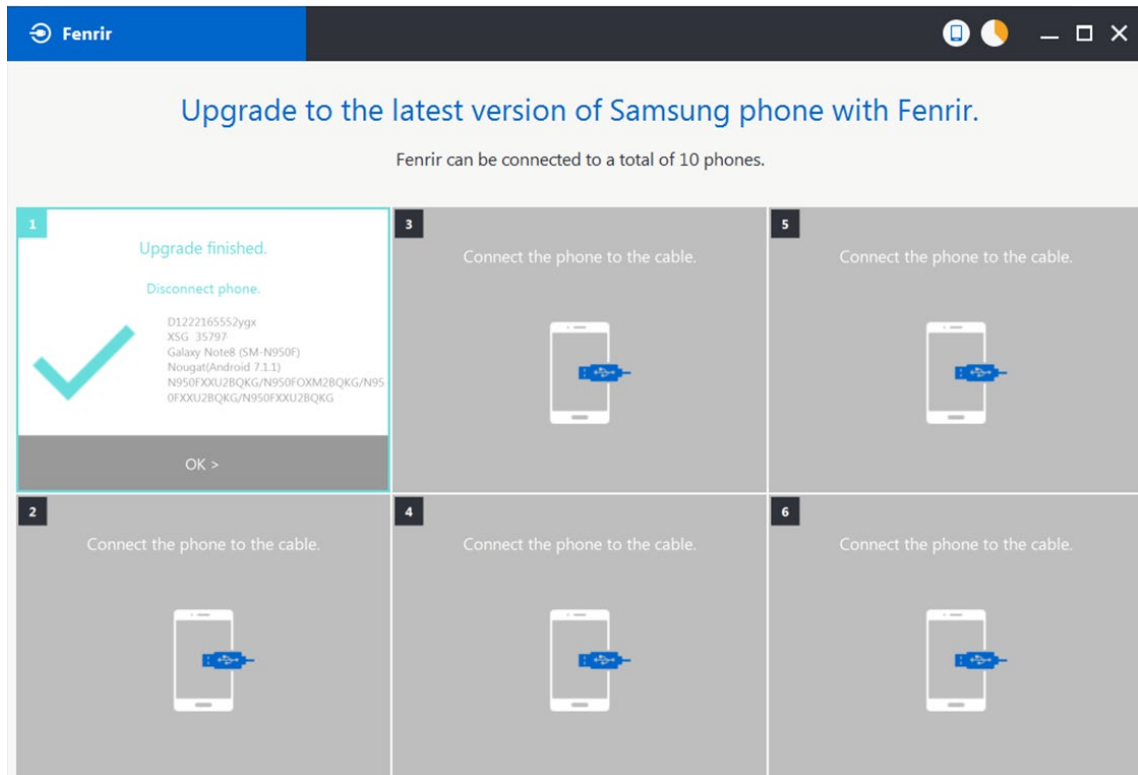And select the Start button & Agree button.
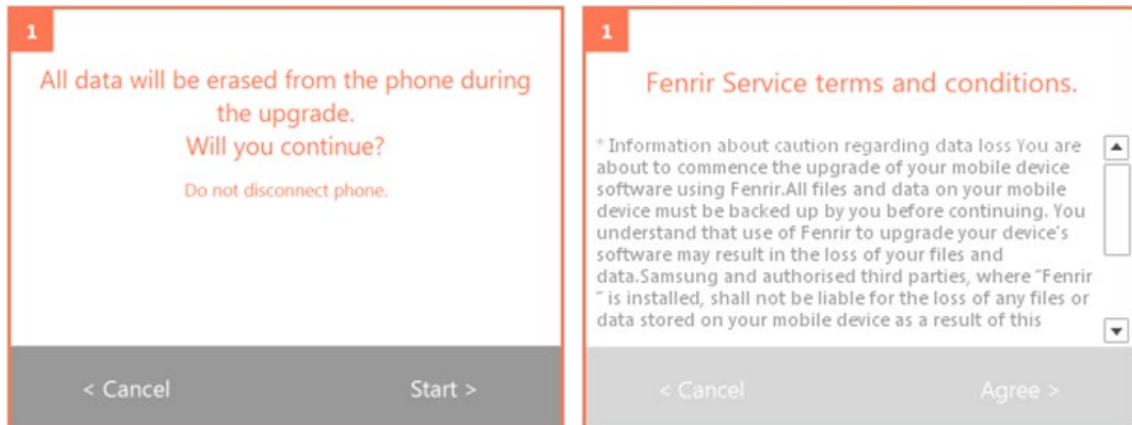
8) The status circle increases as the update installs.
The update process takes approximately 5-10 minutes to complete.
Do not disconnect the device from USB during processing.

6. Level 1 Repair

9) Once complete, application will present the below screen indicating update complete.
Click Ok and detach device from USB.

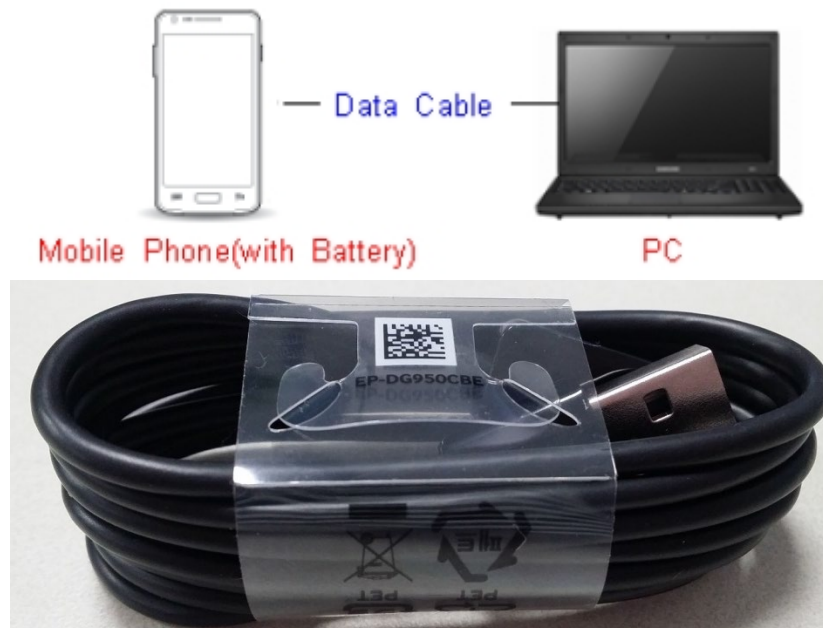※ **Please refer to the user guide for Fenrir uploaded on GSPN for more detailed information.**

6. Level 1 Repair

6-2. IMEI writing

6-2-1. Preparation

- New IMEI writing Program has been released.
- Supported Model : Models which CAB files are uploaded on HHPsvc INI File category, instead of ini file.
- Refer to below IMEI writing procedure.

- H/W

Mobile Phone(with Battery)   PC

Normal Data Cable

- S/W

|	
① Library Install	To use Daseul, library files should be installed. Refer to SVC guide "(SP-04) USB writing guide_rev2.0"
②Launcher	**DASEUL_SVC_Launcher_v3.0.12** or higher -Uploaded on HHPsvc Notice
③ Runtime File	1. **DASEUL_IMEI_ALL_Runtime_3.1.421.0_r00638.CAB** or higher -Uploaded on HHPsvc Notice 2. Make 'ModelName' folder at the same position with launcher & Runtime file. ⬛ DASEUL_IMEI_ALL_Runtime_3.1.281.0_r00405.CAB ⬛ DASEUL_Launcher_v4.0.0.exe ⬛ SM-G955U_VZW(SIM)_IMEI_Ver_3.1.278.2.CAB
④Model File	Copy Model File under the 'Model Name' folder

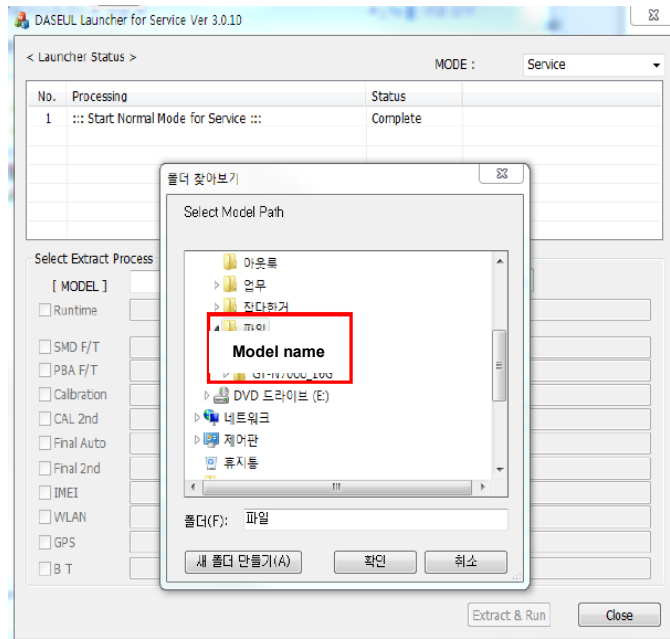# 6. Level 1 Repair

6-2-2. IMEI writing Process

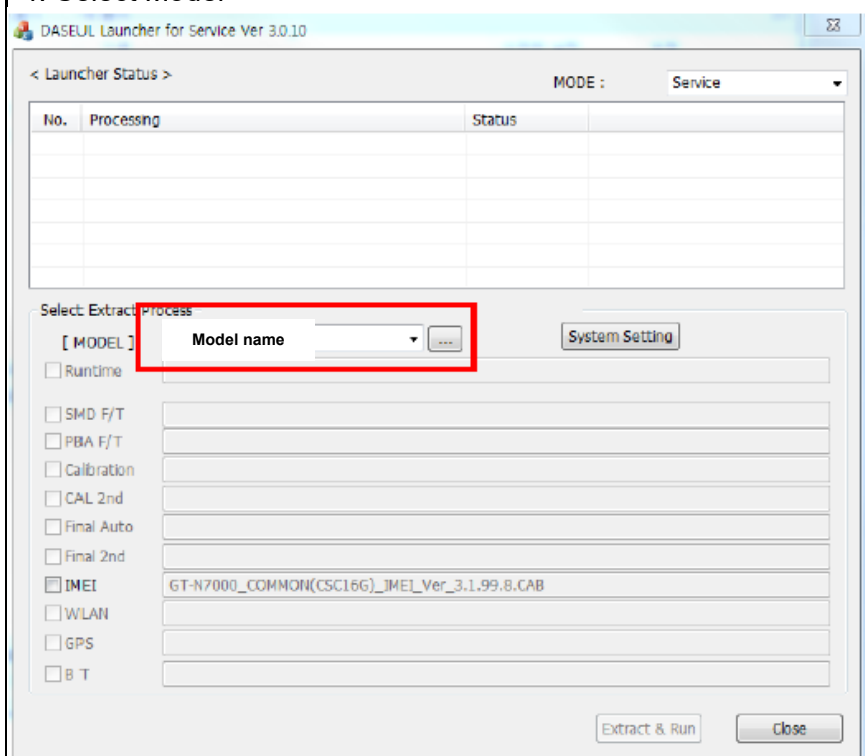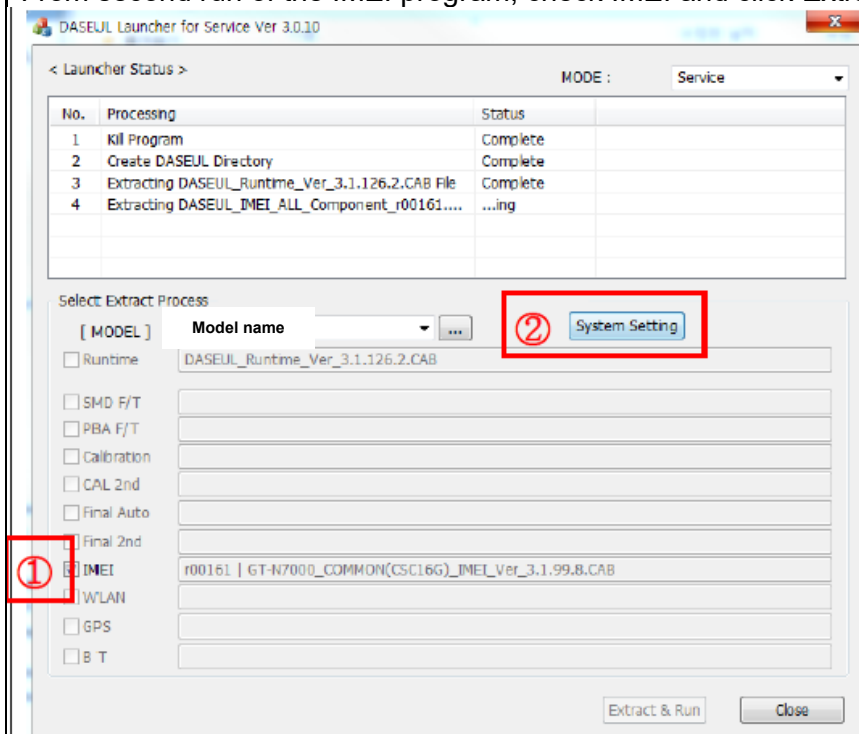| |
|---|
| 1. Run DASEUL_SVC_Launcher_v3.0.12.exe
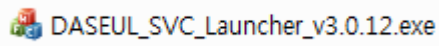
 DASEUL_SVC_Launcher_v3.0.12.exe |
| 2. Select Service Mode
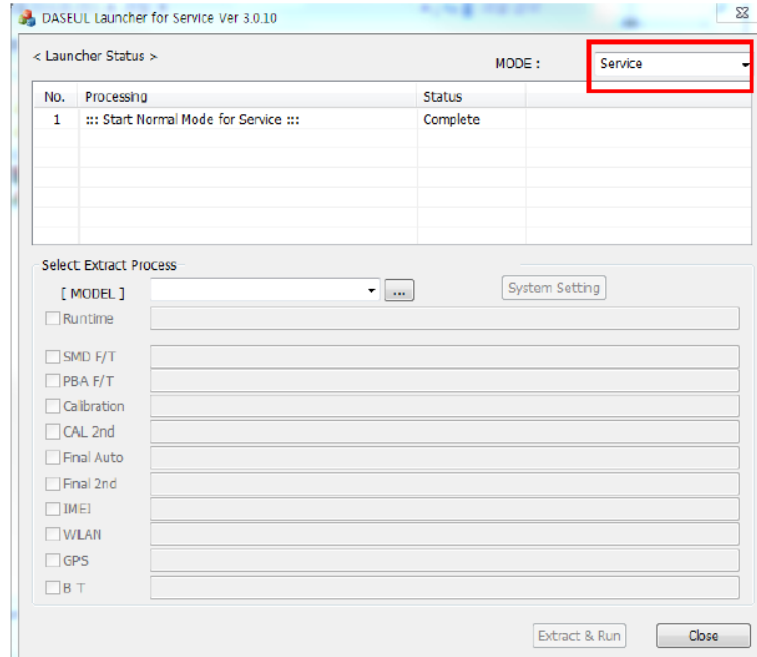
  |
| 3. Click [...] and Select folder where the Launcher exists

  |

6. Level 1 Repair

4. Select Model

5. Check IMEI and click System Setting

※ Once you setup the setting, you don t have to do it again, unless there is change.
From second run of the IMEI program, check IMEI and click Extract & Run.

6. Level 1 Repair

6. Check IMEI Write / IMEI Check and click IMEI SVC & Repair Option.

Default setting
- Language : English
- Line Name : LINE(temp)
- Line Type : Block Cell
- # of Phone : 1

※ If you need to do multiple IMEI writing at the same time,
you can set the #(number) of phone to 2, 3, 4, etc.
- Start Number of UI : 1
- All check boxes should be unticked.

7. Check 'SVC , User Ticket No' and click OK

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6. Level 1 Repair

8. Click 'Hardware Config'

9. Click 'Port Setting'

Default setting
- Server : HOME(GUMI)
- Type : Outside-WebSVC

6. Level 1 Repair

10. Select Port Number and SAVE

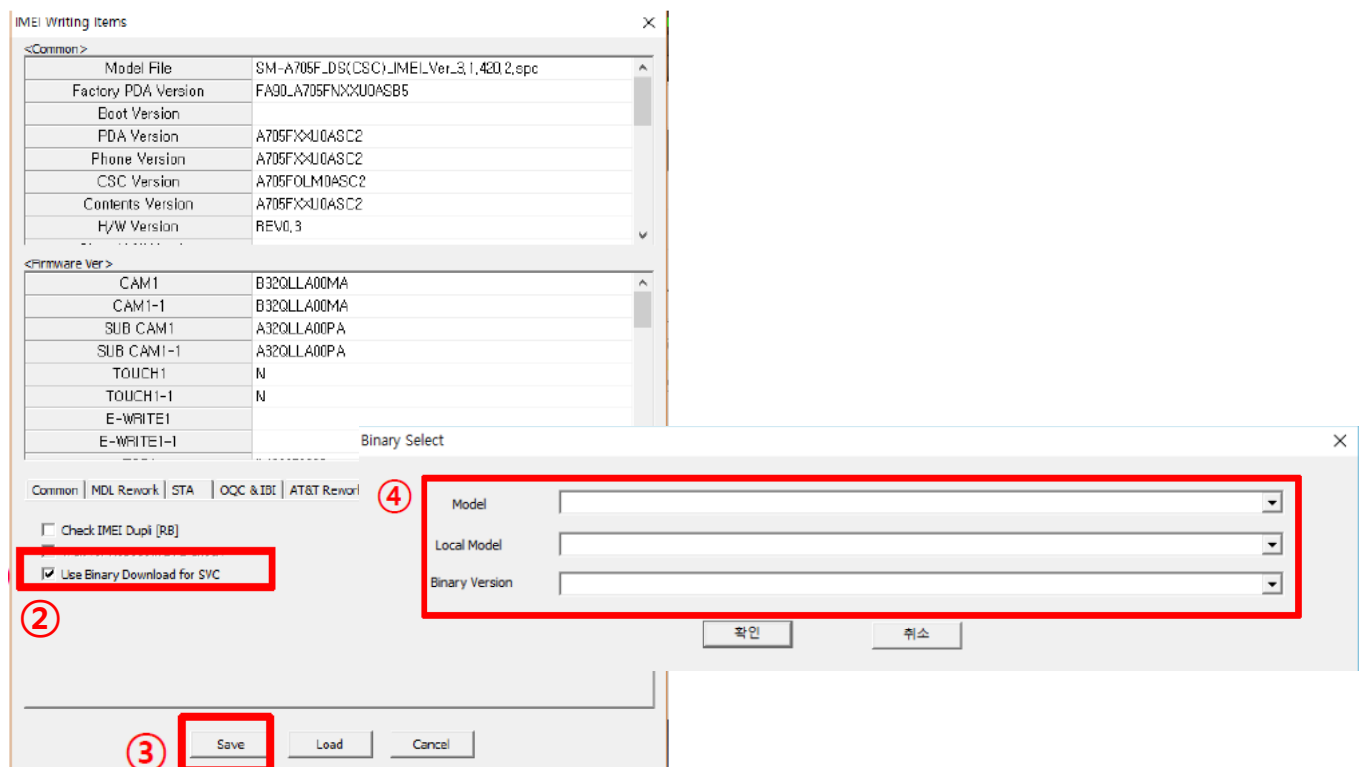## 11. Click OK to proceed

6. Level 1 Repair

12. Click Model Info and OK when pop-up shows
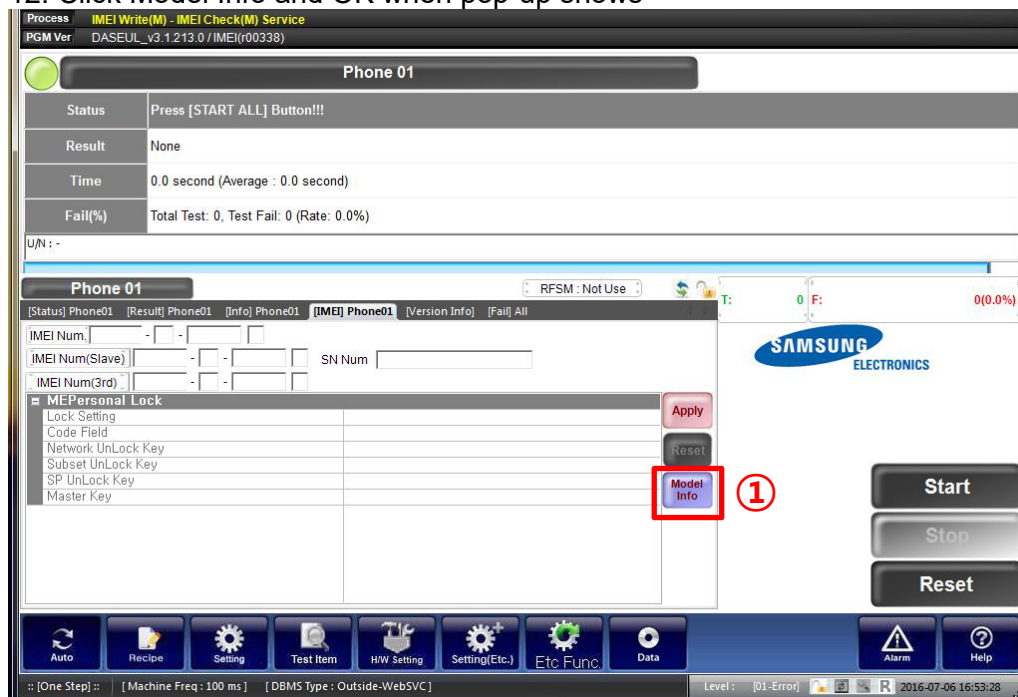
13. Check the option "Use Binary Download for SVC" and Select S/W information.

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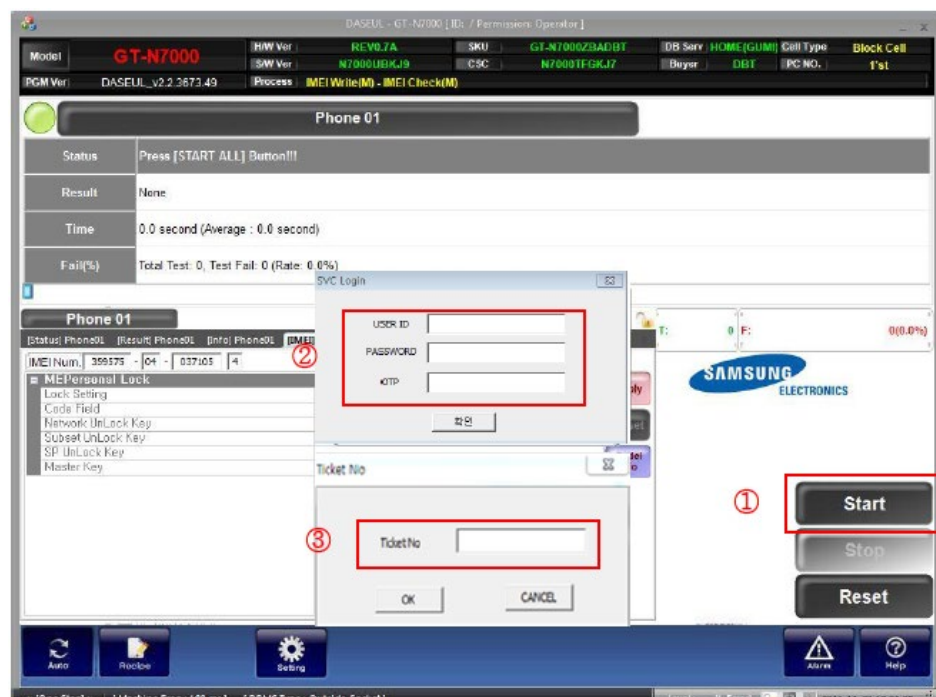
6. Level 1 Repair

14. Input IMEI Number and click Apply
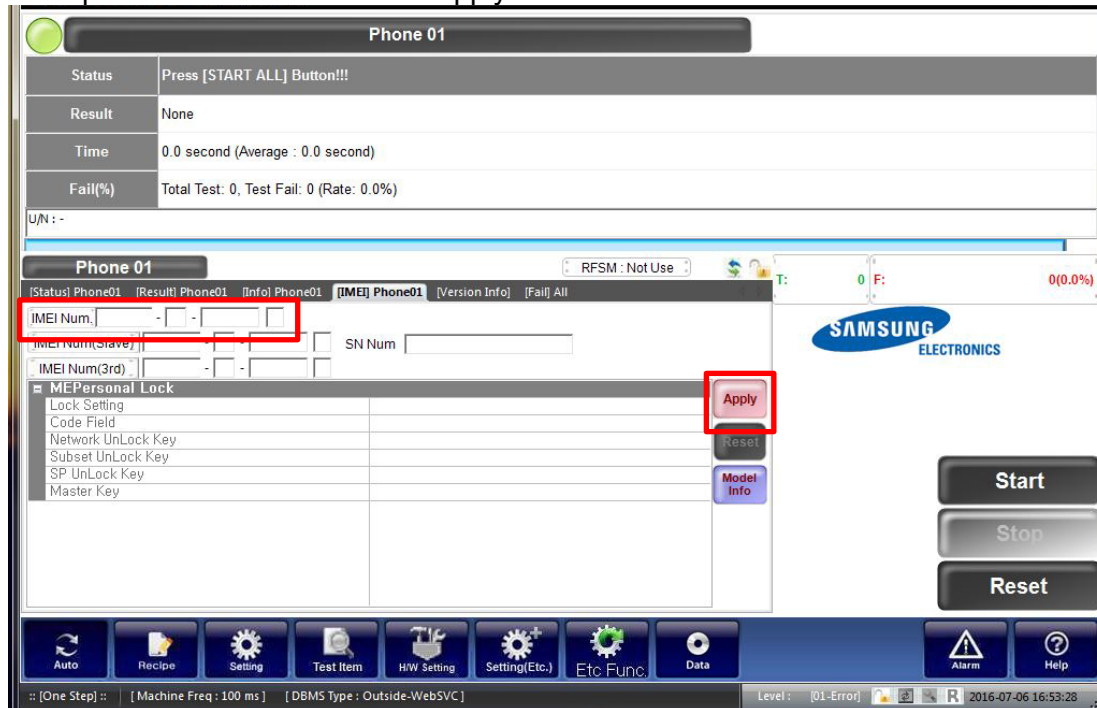
15. ① Click Start → ②Input IMEI writing ID and Password & OTP → ③Input Ticket No
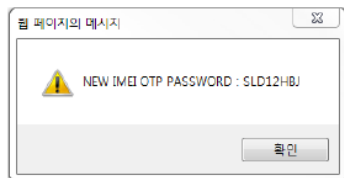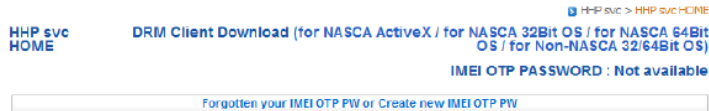
6. Level 1 Repair

※ OTP(One time Password) : OTP is valid for 6 hours.

After that, you can get new OTP by click the "Forgotten your IMEI OTP PW or Crete new IMEI OTP PW" button.

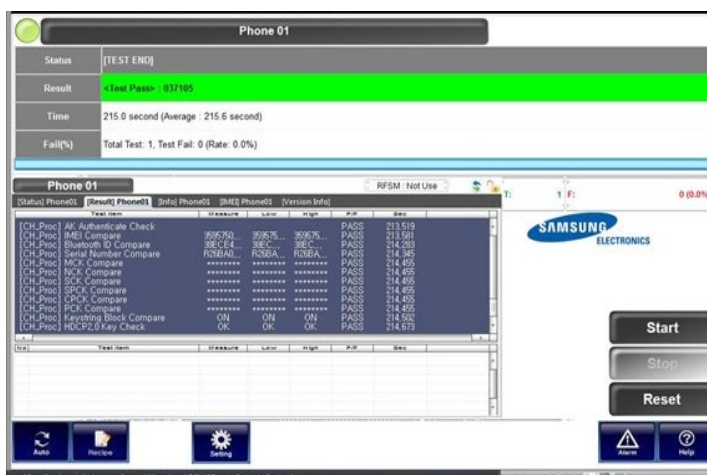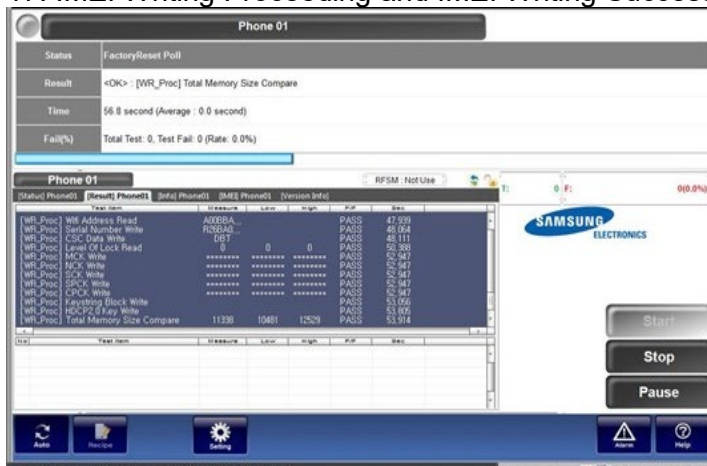☞ OTP Location : GSPN → Knowledge → HHP svc → Home

16.	Connect the phone to Anyway JIG ※ When you connect the phone, the phone should be turned off. After connecting the phone, the phone will be booted automatically.
17.	IMEI Writing Proceeding and IMEI Writing Success

※ **Please refer to the user guide for IMEI Writing on GSPN for more detailed information.**