Document title: BMW - E-Sys Installation Procedure

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1 OVERVIEW

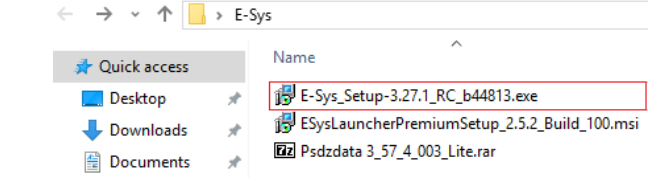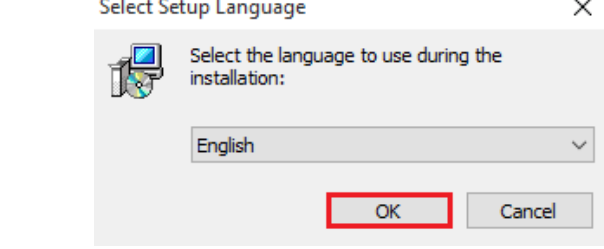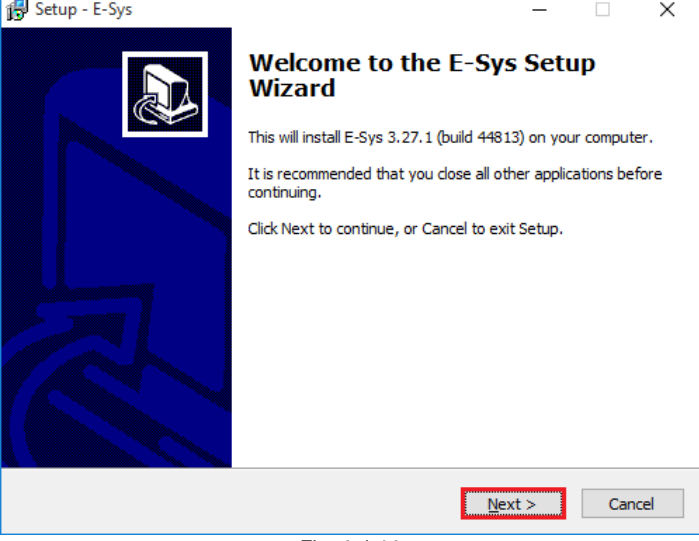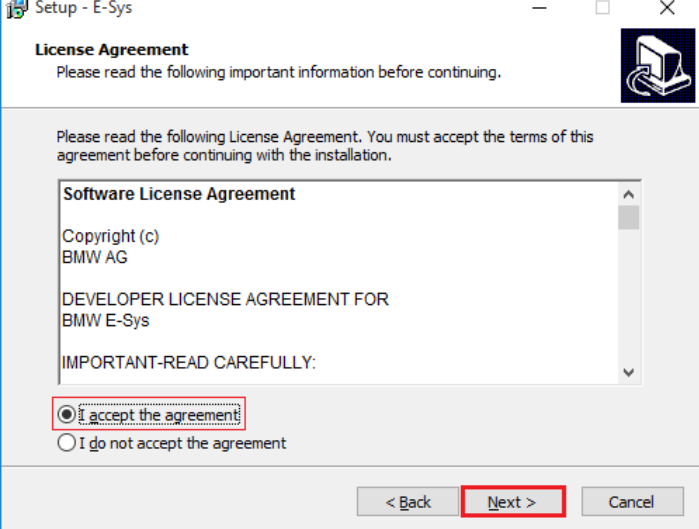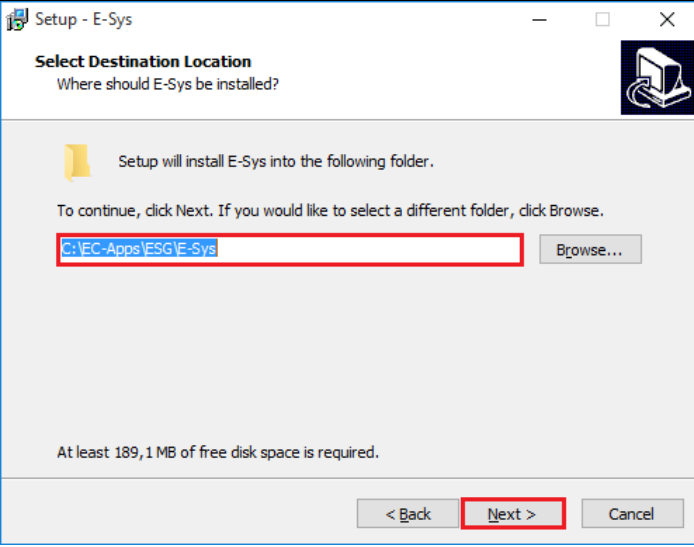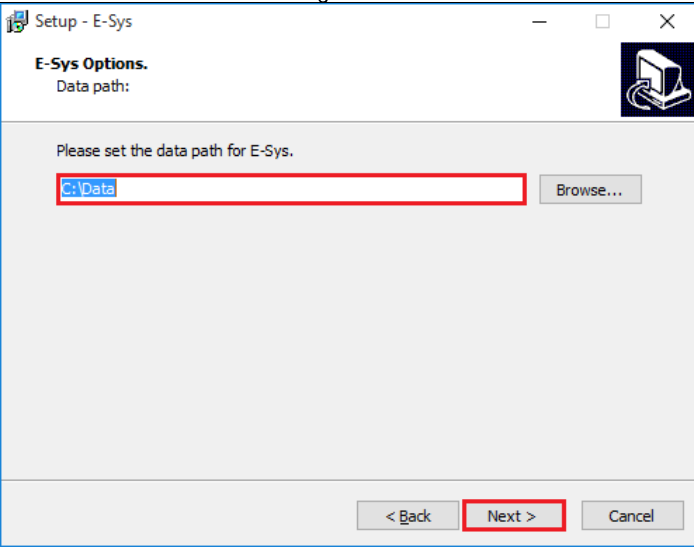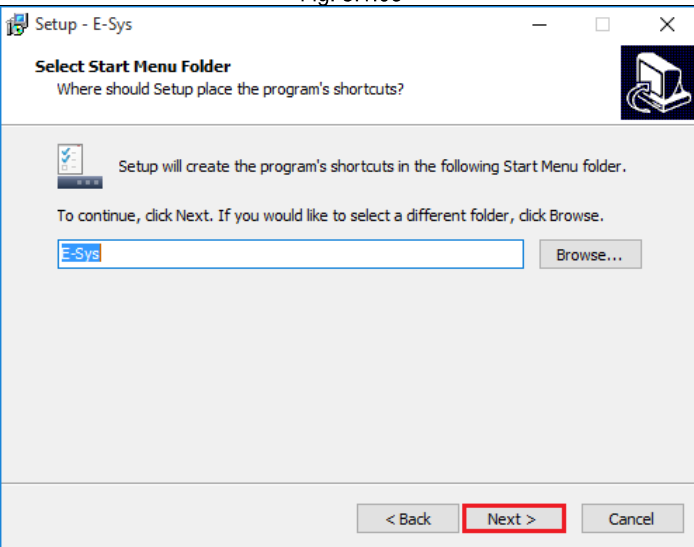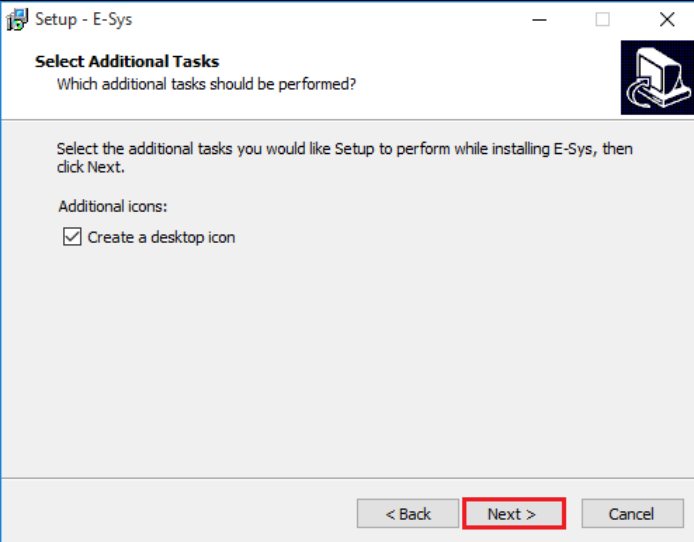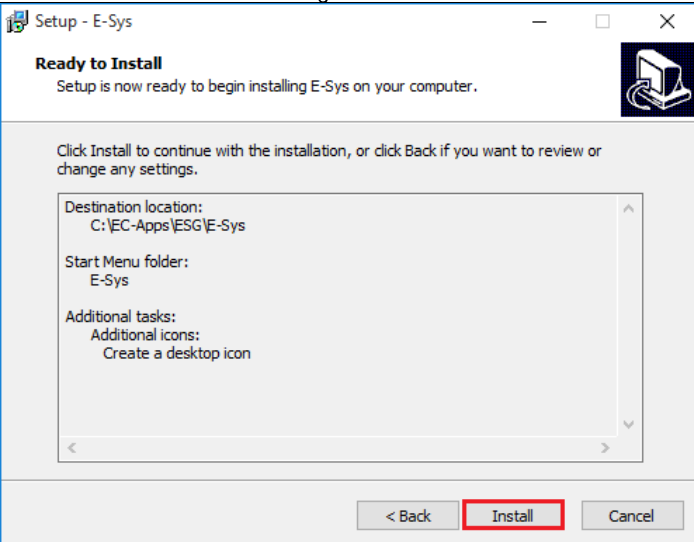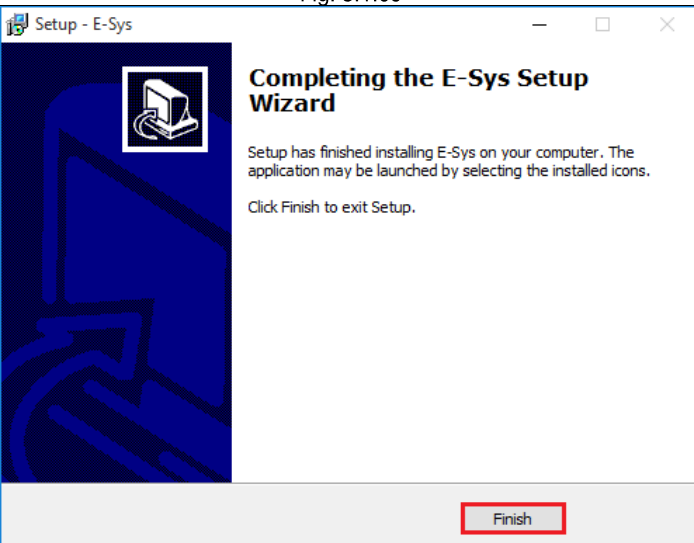| Purpose:	This document describes the procedure on how to perform a clean installation of the E-Sys application.
Requirements:	In order to execute the procedure, the following requirements must be met: - Your computer needs to be equipped with a 32-bit or 64-bit version of Windows 7, Windows 8, Windows 8.1 or Windows 10; - Your Windows account needs to have administrative privileges; - Windows UAC is disabled on your computer; - Windows Firewall is disabled on your computer; - Windows Defender is disabled on your computer; - 3rd-party firewalls or anti-virus solutions are disabled; - 7-zip is installed on your computer; - You need an E-Sys installer package; - You need an E-Sys Launcher Premium installer package; - You need a PSDzData full or lite dataset.

2 WARNINGS

⚠	It is strongly recommended to perform the procedure on a clean, updated installation of Windows, not on your "daily drive" installation of Windows. This will prevent other software from interfering with or possibly breaking coding operations.
⚠	If E-Sys is already installed, it is mandatory to remove the application via the "**Programs and Features**" control panel applet as well as removing the E-Sys installation folder (Default: **C:\EC-Apps\ESG\E-Sys**) and data folder (Default: **C:\Data**) before proceeding with the procedure. Failing to do so will corrupt your E-Sys installation. Refer to **§5 ROLLBACK (BACK-OUT)**.
⚠	The versions of the software used to create this procedure are as follows: Windows: Windows 10 Enterprise LTSB (64-bit) E-Sys: v3.27.1 E-Sys Launcher Premium: 2.52 PSDzData: v3.57.4.003 Lite Although differing versions will likely have the same installation procedure, you may encounter differences, hence your mileage may vary when using this procedure.
⚠	E-Sys is only compatible with F-chassis cars. For E-chassis cars, use NSCExpert instead.
⚠	Do not, under any circumstances, merge a newly extracted psdzdata folder with an already existing psdzdata folder. Always ensure the old data is deleted first! Failing to do so will corrupt the dataset.
⚠	Always launch E-Sys through the E-Sys Launcher Premium application.
⚠	I am not responsible for any damage that might occur on your computer system and/or your BMW vehicle when executing the installation procedure. You do so at your own risk.

3 INSTRUCTIONS
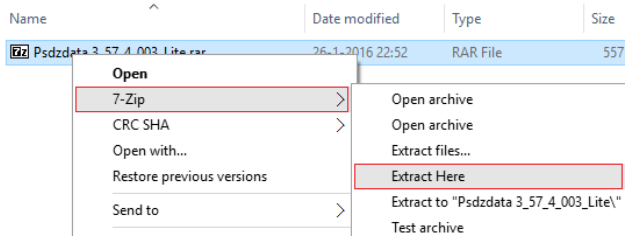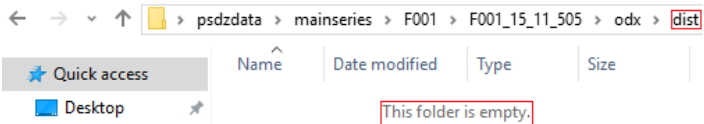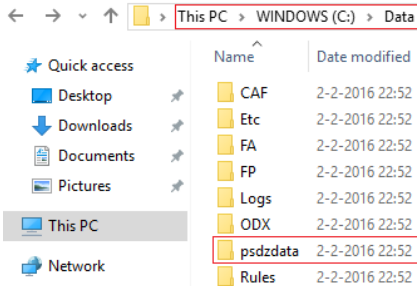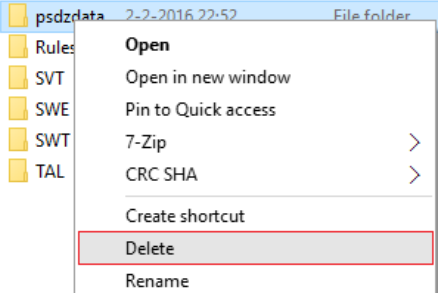
3.1 E-Sys Installation
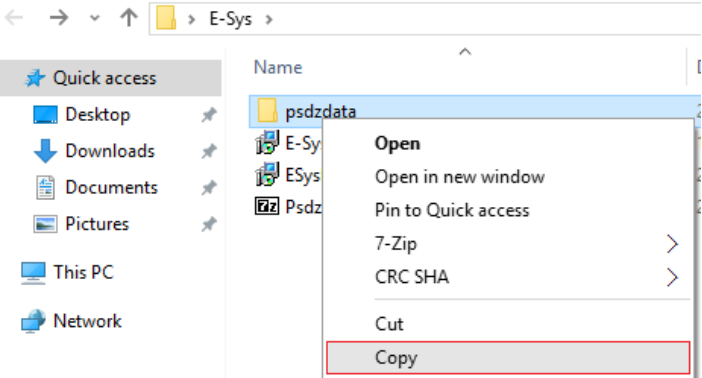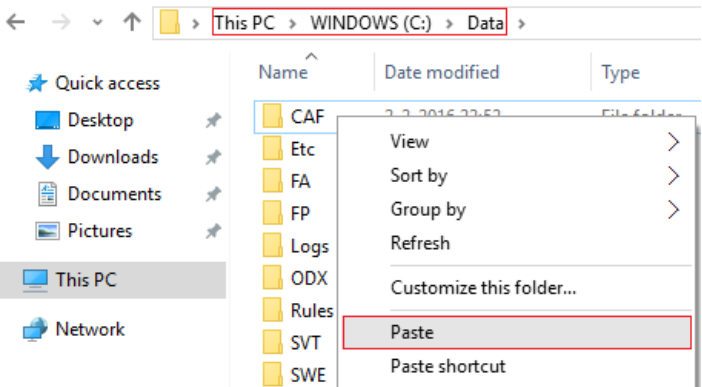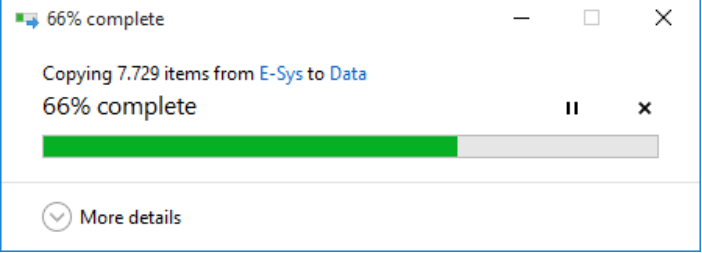
No:	Description:	Screenshot:
1	Launch the E-Sys installer on the computer on which you want to install the E-Sys application. **Example:** E-Sys_Setup-3.27.1_RC_b44813.exe	 Fig. 3.1.01
2	Press "**OK**" to proceed.	 Fig. 3.1.02
3	Press "**Next >**" to proceed.	 Fig. 3.1.03
4	Select "I accept the agreement" and press "**Next >**" to proceed.	 Fig. 3.1.04
	Troubleshooting	

No:	Description:	Screenshot:
5	Ensure the installation path is correctly set to "**C:\EC-Apps\ESG\E-Sys**" and press "**Next >**" to proceed.	Fig. 3.1.05
6	Ensure the data path is correctly set to "**C:\Data**" and press "**Next >**" to proceed.	Fig. 3.1.06
7	Press "**Next >**" to proceed.	Fig. 3.1.07

Troubleshooting
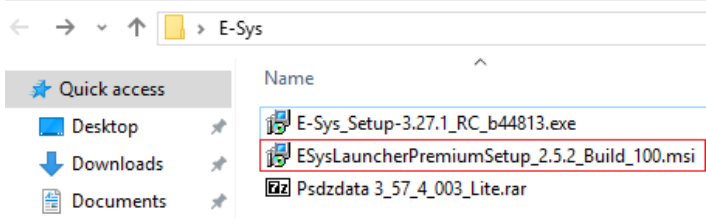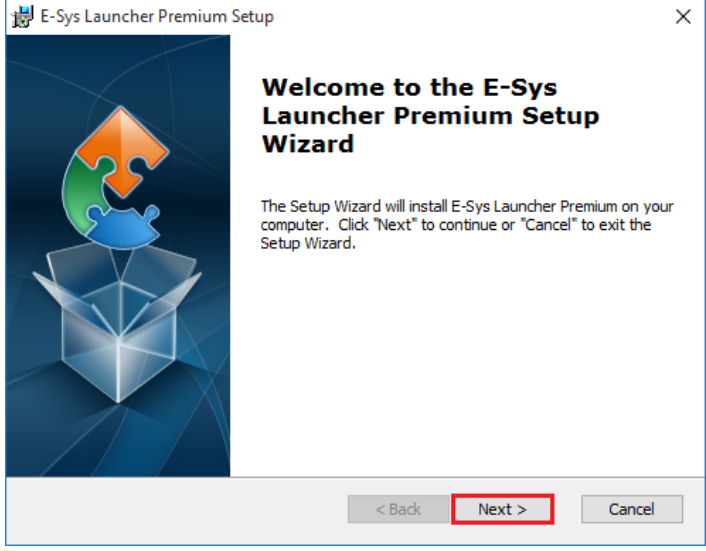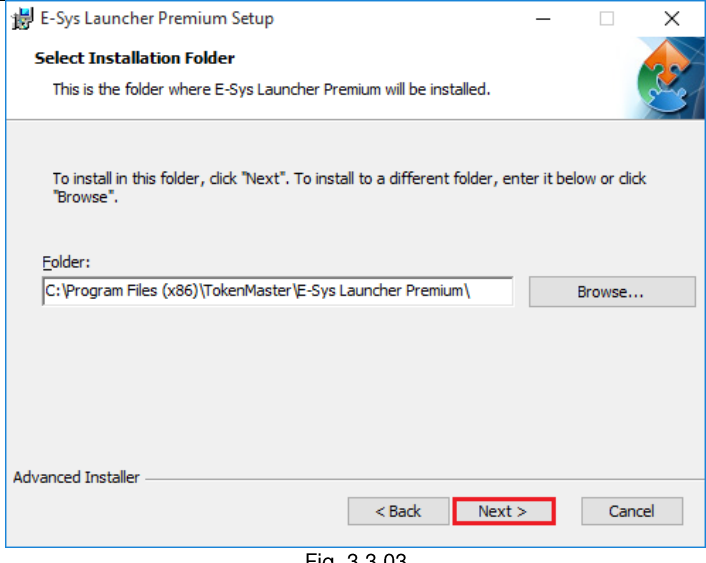
No:	Description:	Screenshot:
8	Press "**Next >**" to proceed.	Fig. 3.1.08
9	Press "**Install**" to commence the installation of E-Sys.	Fig. 3.1.09
10	Wait for the installation to finish and press "**Finish**". This concludes the installation of the E-Sys application.	Fig. 3.1.10
	Troubleshooting	

3.2 PSDzData Installation

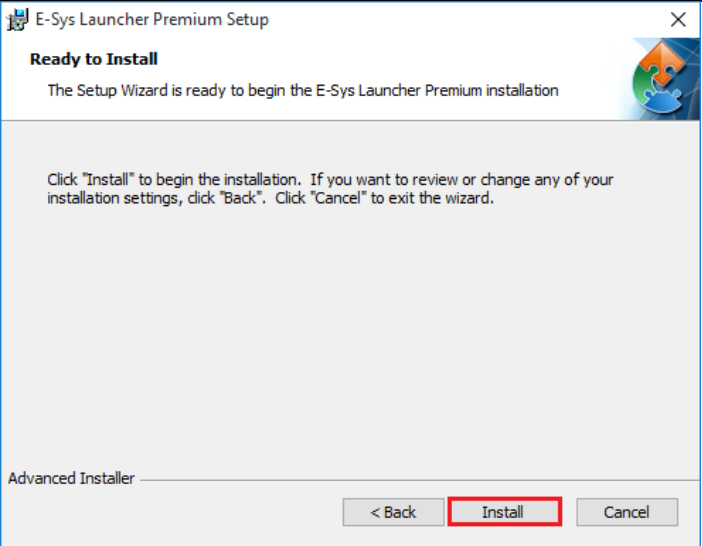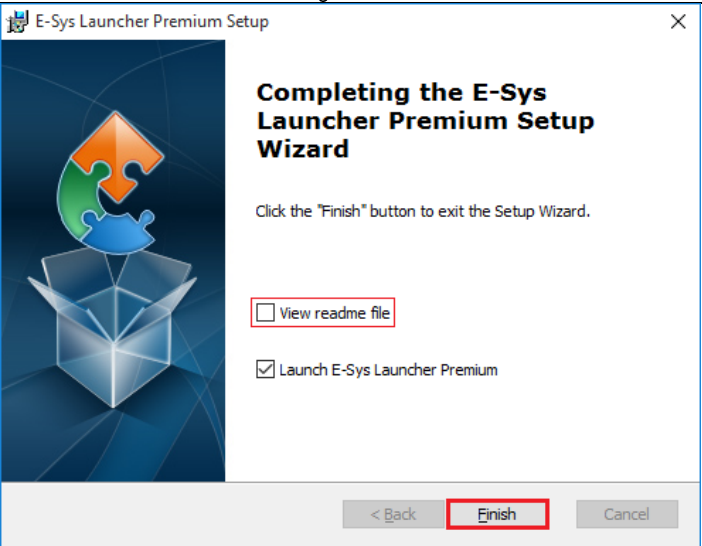| No:	Description:	Screenshot:
1	Navigate to the folder where your PSDzData full or lite dataset is located, right-click on the (first) file, expand "**7-Zip**" and choose "**Extract Here**". **Example:** Psdzdata_3_57_4_003_Lite.rar	 Fig. 3.2.01
2	Wait for the extraction process to finish and open the extracted "psdzdata" folder. Verify that an empty "dist" folder is present in all chassis folders: psdzdata\mainseries\F001\F001_xx_xx_xxx\odx**dist** psdzdata\mainseries\F010\F010_xx_xx_xxx\odx**dist** psdzdata\mainseries\F020\F020_xx_xx_xxx\odx**dist** psdzdata\mainseries\F025\F025_xx_xx_xxx\odx**dist** psdzdata\mainseries\F056\F056_xx_xx_xxx\odx**dist** psdzdata\mainseries\I001\I001_xx_xx_xxx\odx**dist** psdzdata\mainseries\K001\K001_xx_xx_xxx\odx**dist** psdzdata\mainseries\KE01\KE01_xx_xx_xxx\odx**dist** psdzdata\mainseries\RR01\RR01_xx_xx_xxx\odx**dist** psdzdata\mainseries\S15A\S15A_xx_xx_xxx\odx**dist** Otherwise be sure to create them.	 Fig. 3.2.02
3	Navigate to the "**C:\Data**" folder.	 Fig. 3.2.03
4	Right-click on the "**psdzdata**" folder and choose "**Delete**" in the context menu. When asked confirm, choose "**Yes**".	 Fig. 3.2.04
	Troubleshooting	

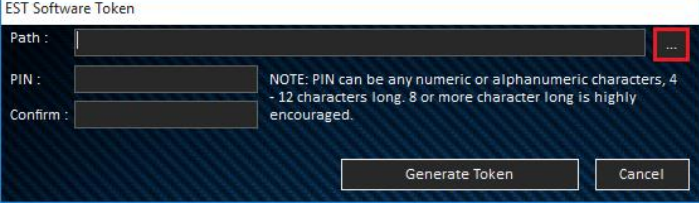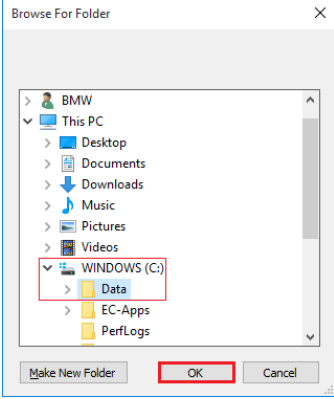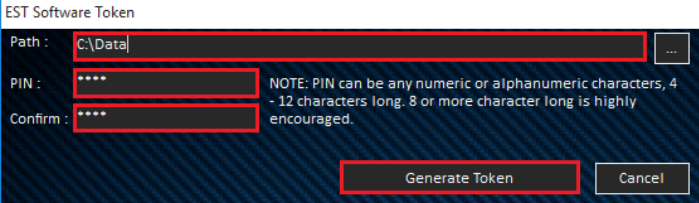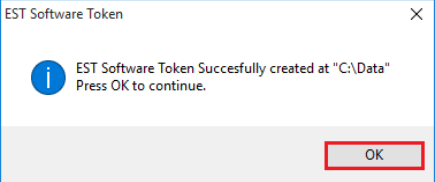| No:	Description:	Screenshot:
5	Navigate back to "**psdzdata**" folder you extracted in **step 1**, right-click the folder and choose "**Copy**".	 Fig. 3.2.05
6	Paste the extracted "**psdzdata**" folder in the "**C:\Data**" folder by right-clicking in the Data folder and choosing "**Paste**".	 Fig. 3.2.06
7	Wait for the copy/paste process to finish. This concludes the installation of the PSDzData for E-Sys.	 Fig. 3.2.07
	Troubleshooting	
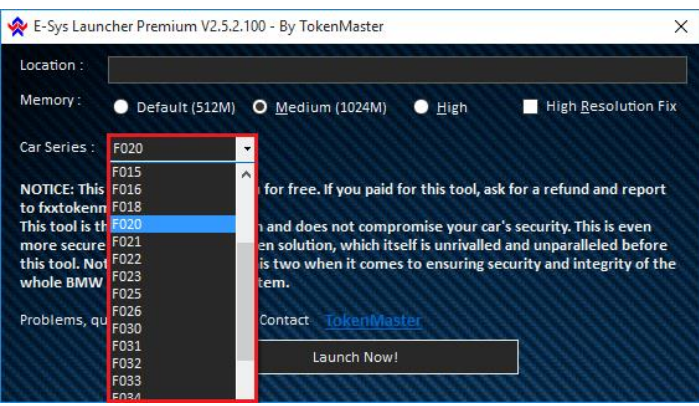
3.3 E-Sys Launcher Premium Installation
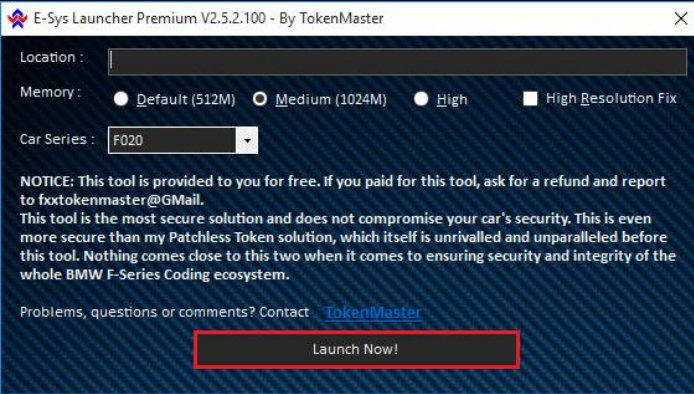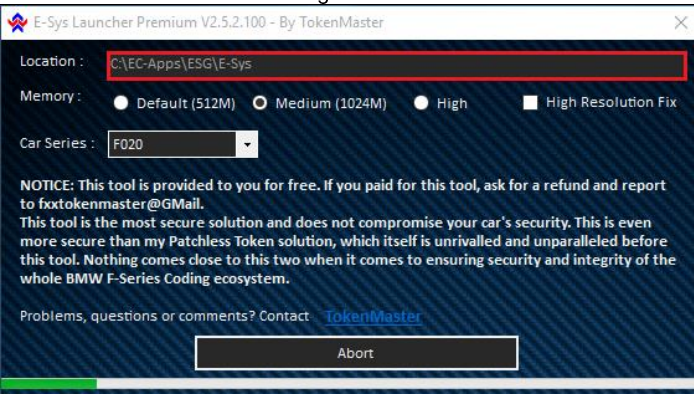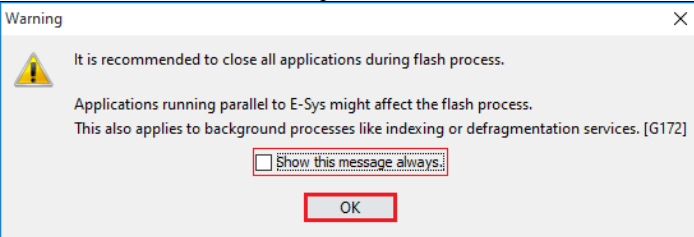
No:	Description:	Screenshot:
1	Launch the E-Sys Launcher Premium installer on the computer you have installed E-Sys on. **Example:** ESysLauncherPremiumSetup_2.5.2_Build_100.msi	 Fig. 3.3.01
2	Press "**Next >**" to proceed.	 Fig. 3.3.02
3	Press "**Next >**" to proceed.	 Fig. 3.3.03
	Troubleshooting	
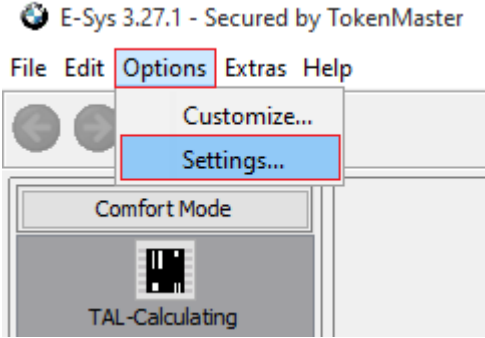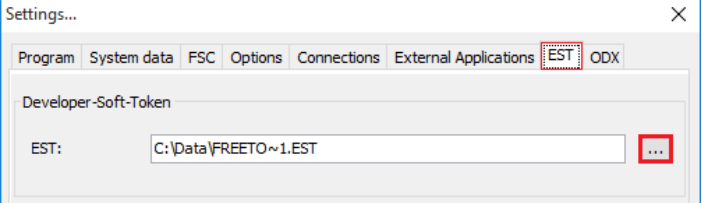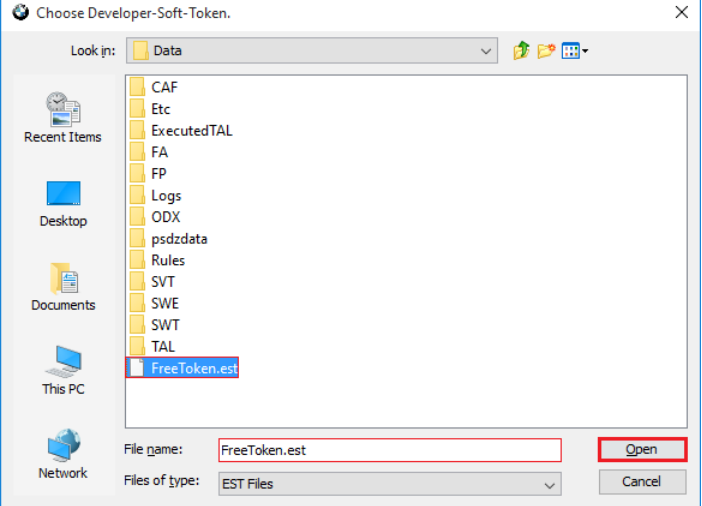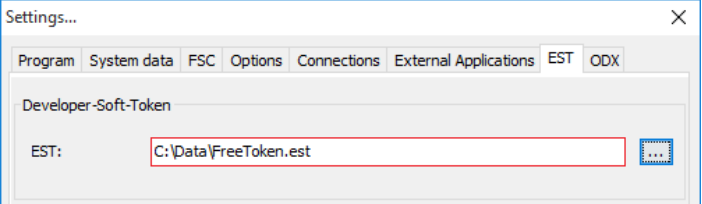
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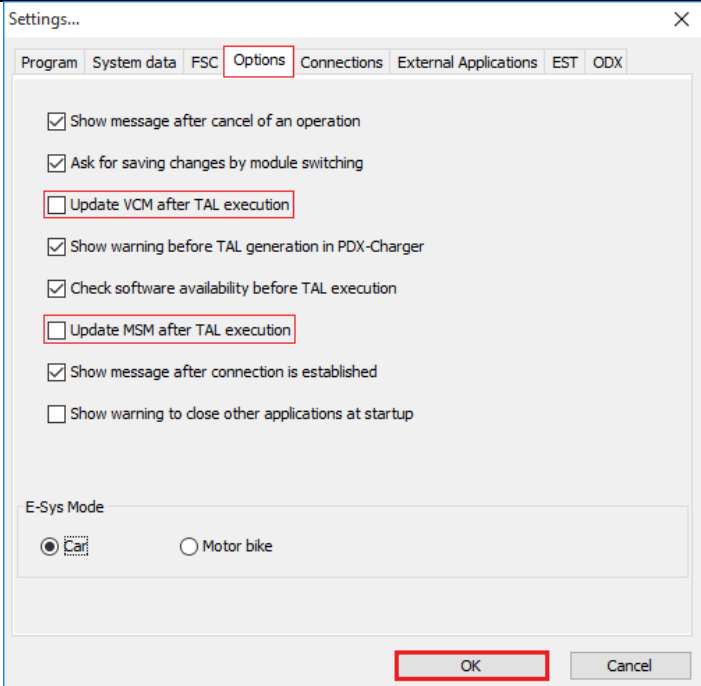
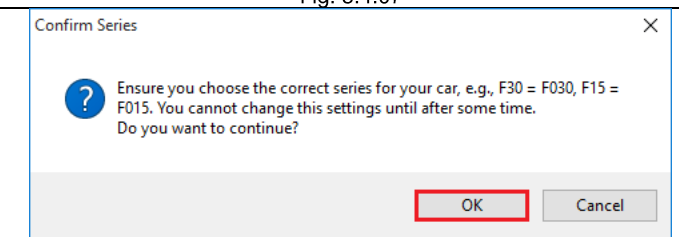| No:	Description:	Screenshot:
4	Press "**Install**" to proceed.	Fig. 3.3.04
5	Wait for the installation to finish and press "**Finish**". This concludes the installation of the E-Sys Launcher Premium application. The application will now start.	Fig. 3.3.05
	Troubleshooting	

3.4 Configuring E-Sys / E-Sys Launcher Premium

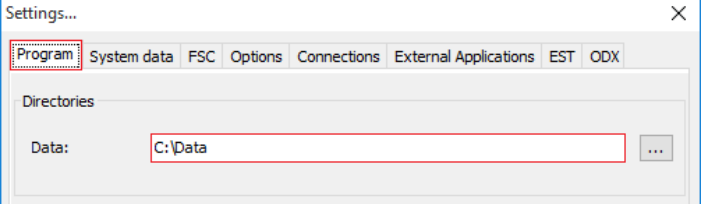| No:	Description:	Screenshot:
1	Click on the "**…**" button.	Fig. 3.4.01
2	Select the E-Sys data folder "**C:\Data**" and press "**OK**" to proceed.	Fig. 3.4.02
3	Verify that the "**Path**" field contains the E-Sys data folder "**C:\Data**". Enter a token PIN in the "**PIN**" and "**Confirm**" field and press "**Generate Token**" to continue. Remember or note down the token PIN. **Example token PIN:** 1234	Fig. 3.4.03
4	A pop-up will appear indicating that the token has been successfully created. Press "**OK**" to proceed.	Fig. 3.4.04
5	In the "**Car Series**" dropdown menu, choose your car's F-chassis designation. **Example:** F22 (2-series coupe) = F022 F30 (3-series sedan) = F030 F20 (1-series hatch) = F020 **WARNING:** The E-Sys Launcher Premium application limits changes to the "Car Series" field to every few days. Make sure you enter the correct F-chassis designator or you will not be able to code your car using E-Sys!	Fig. 3.4.05
	Troubleshooting	

No:	Description:	Screenshot:
6	Click "**Launch Now!**" to start proceed.	Fig. 3.4.06
7	The E-Sys Launcher Premium will automatically detect the E-Sys installation folder for you.	Fig. 3.4.07
8	Again ensure that you have chosen the correct F-chassis designator in the "**Car Series**" field and press "**OK**" to proceed.	Fig. 3.4.08
9	After a brief while you should see the E-Sys splash screen.	Fig. 3.4.09
10	When the warning message pops-up, untick the "**Show this message always.**" and press "**OK**" to proceed.	Fig. 3.4.10
	Troubleshooting	

No:	Description:	Screenshot:
11	In the menu bar, click on **"Options"** followed by **"Settings…"**.	Fig. 3.4.11
12	Verify that the **"Data"** field is set to **"C:\Data"** in the **"Program"** tab.	Fig. 3.4.12
13	Navigate to the **"EST"** tab and click on the **"…"** button.	Fig. 3.4.13
14	Navigate to the E-Sys data folder **"C:\Data"**, select the **"FreeToken.est"** file you generated in step 3 and press **"Open"** to proceed.	Fig. 3.4.14
15	Verify that the **"EST"** field is set to **"C:\Data\FreeToken.est"**.	Fig. 3.4.15
Troubleshooting		

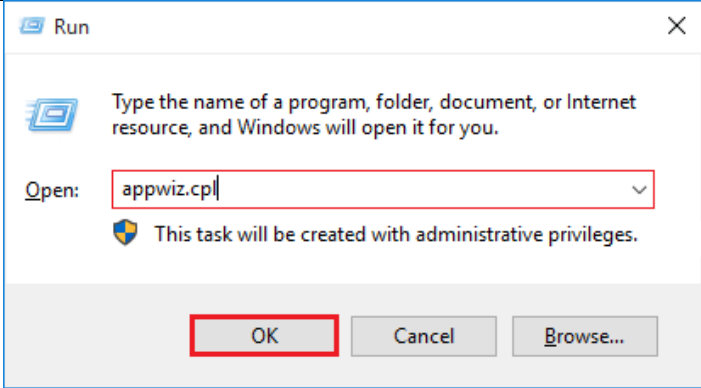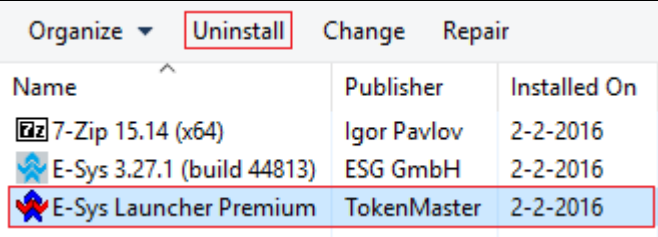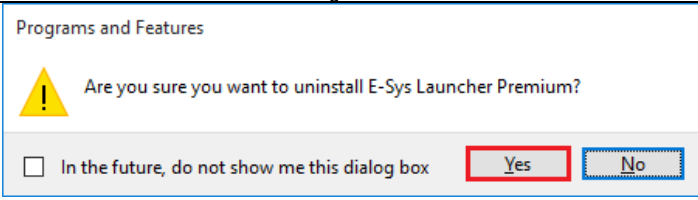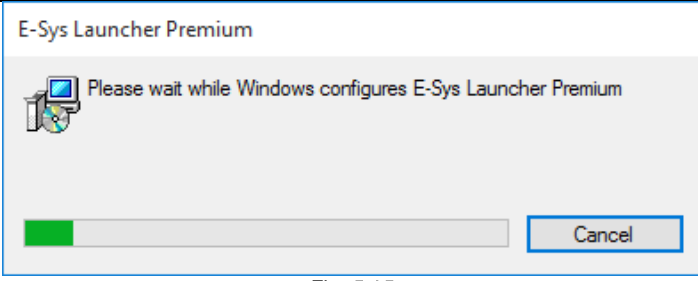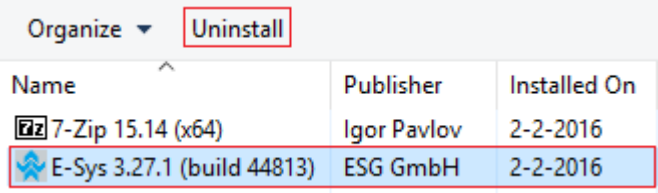| No:	Description:	Screenshot:
16	Navigate to the "**Options**" tab and untick the following options: - Update VCM after TAL execution; - Update MSM after TAL execution. Press "**OK**" to proceed. This concludes the configuration of the E-Sys application as well as the E-Sys Launcher Premium application. Please keep in mind that you must **always** launch E-Sys through the E-Sys Launcher Premium shortcut on your desktop. **Never** launch E-Sys directly!	Fig. 3.4.16
	Troubleshooting	
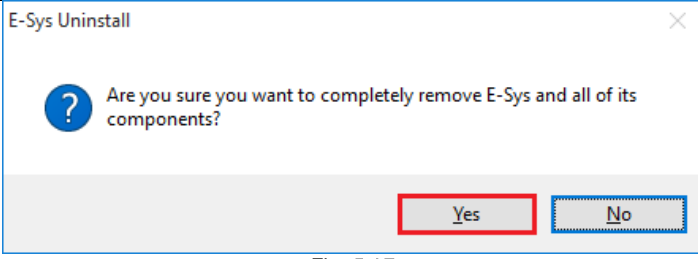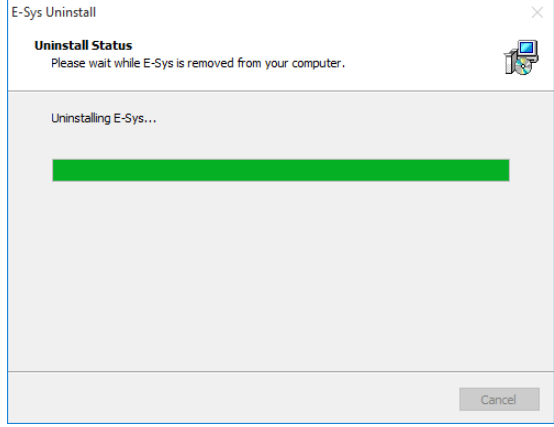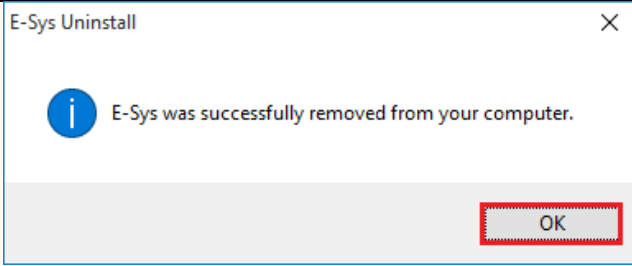
4 TROUBLESHOOTING

There are currently no troubleshooting instructions available for this procedure.

5 ROLLBACK (BACK-OUT)

No:	Description:	Screenshot:
1	Hold down the "**Windows**" key and while holding the key, press the "**R**" key.	Fig. 5.01
2	Enter "**appwiz.cpl**" in the "**Open**" field and press "**OK**" to proceed.	Fig. 5.02

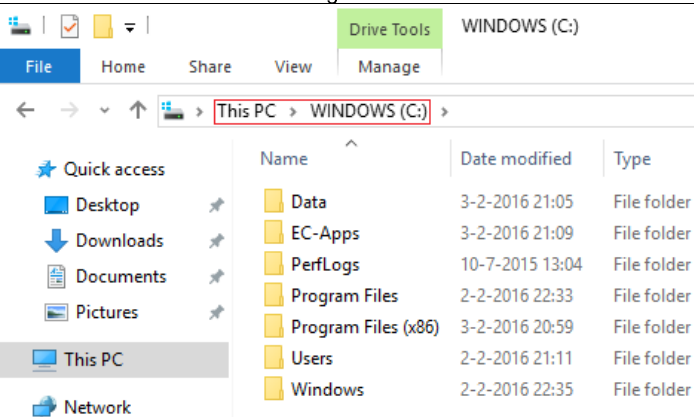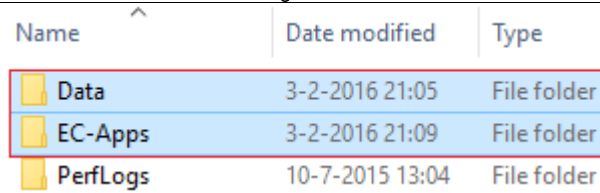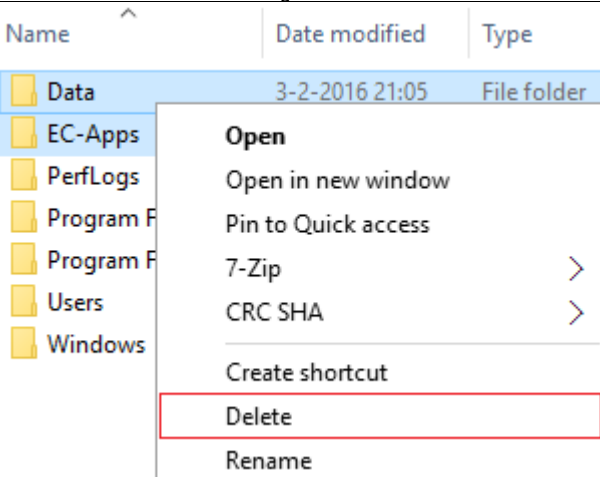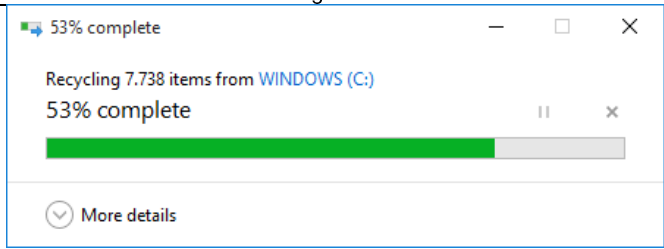| No:	Description:	Screenshot:
3	Select "**E-Sys Launcher Premium**" and choose "**Uninstall**".	 Fig. 5.03
4	Press "**Yes**" to proceed.	 Fig. 5.04
5	Wait for the uninstall process to finish. Once the process has finished, the progress window will disappear without confirmation.	 Fig. 5.05
6	Select "**E-Sys 3.27.1 (build 44813)**" and choose "**Uninstall**".	 Fig. 5.06
7	Press "**Yes**" to proceed.	 Fig. 5.07
8	Wait for the uninstall process to finish.	 Fig. 5.08

No:	Description:	Screenshot:
9	Press "**OK**" to proceed.	Fig. 5.09
10	Navigate to the C: drive of your computer.	Fig. 5.10
11	Select the following folders (if present): - Data; - EC-Apps.	Fig. 5.11
12	Right-click on the selected folder(s) and choose "**Delete**" in the context menu. When asked confirm, choose "**Yes**".	Fig. 5.12
13	Wait for Windows to remove the folder(s). This concludes the removal of the E-Sys application, E-Sys Launcher Premium application and the associated PSDzData dataset.	Fig. 5.13

Revision History

Date	Version	Description	Author / Review
03-Feb-2016	0.1	Creation.	wjjkoevoets
03-Feb-2016	0.2	Formatting changes and minor textual changes. Added rollback (back-out) instructions.	wjjkoevoets