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Trademark

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Disclaimer

The contents of this document are subject to changes without notice due to continued improvements in design, manufacture, and methodologies. Launch is not liable for the damage or losses due to the use of this document.

FCC Statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

a. This device may not cause harmful interference
b. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

🔴 Important: Please read this manual carefully and understand the safety precautions before performing any operation to this product.

Safety Grades

Safety grade definitions in this manual are as followings:

Symbol	Definition	Usage
🔺	Danger	Indicates a hazardous situation which, if not avoided, will result in death or serious injury to the operator or to bystanders.
🔴	Warning	Indicates a hazardous situation which, if not avoided, could result in possible injury to the operator or to bystanders.
🔺	Caution	Indicates a hazardous situation which, if not avoided, could result in serious equipment damage or property losses.

Safety Precautions

• Never collide, throw, or puncture the test equipment, and avoid falling, extruding and bending it.
• Do not insert foreign objects into or place heavy objects on your device. Sensitive components inside might cause damage.
• Do not use the test equipment in exceptionally cold or hot, dusty, damp or dry environments.
• In places using the test equipment may cause interference or generate a potential risk, please turn it off.
• The test equipment is a sealed unit. There are no end-user serviceable parts inside. All internal repairs must be done by an authorized repair facility or qualified technician. If there is any inquiry, please contact the dealer.
• Never place the test equipment into apparatus with strong electromagnetic field.
• Do not attempt to replace the internal rechargeable lithium battery. Contact the dealer for factory replacement.
• Use the included battery and charger. Risk of explosion if the battery is

replaced with an incorrect type.
- Do not disconnect power abruptly when the test equipment is being formatted or in process of uploading or downloading. Or else it may result in program error.
- Do not delete unknown files or change the name of files or directories that were not created by you, otherwise the test equipment software might fail to work.
- Be aware that accessing network resources can leave the test equipment vulnerable to computer viruses, hackers, spyware, and other malicious activities that might damage your device, software or data. Ensure that you have adequate protection in the forms of firewalls, anti-virus software, and anti-spyware software and keep such software up to date.
- Do not disconnect battery or any wiring cables in the vehicle when the ignition switch is on, as this could avoid damage to the sensors or the ECU.
- Do not place any magnetic objects near the ECU. Disconnect the power supply to the ECU before performing any welding operations on the vehicle.
- Use extreme caution when performing any operations near the ECU or sensors. Ground yourself when you disassemble PROM, otherwise ECU and sensors can be damaged by static electricity.
- When reconnecting the ECU harness connector, be sure it is attached firmly, otherwise electronic elements, such as ICs inside the ECU, can be damaged.

Packing List

- Main unit
- Power adapter with power cable
- Main diagnostic cable
- MCU cable with multiple leads
- SOP8 chip converter
- EEPROM PCBA
- MCU PCBA V1
- MCU PCBA V2

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Table of Contents

1 About this Manual

This manual introduces the basic information of X-PROG3 and instruction on the product usage. X-PROG3, the next generation of X-PROG1, is a powerful anti-theft solution and an ideal choice for professional repair shops and vehicle maintenance businesses. It has achieved vehicle key, Engine and gear box programming, featuring powerful multiple parts reprogramming and wide range of vehicle coverage.

1.1 Target Reader

This document is intended for vehicle owners or repair technicians to perform various diagnostic procedures using X-PROG3; it assumes a basic knowledge of vehicles.

1.2 Typographic Conventions

The typographic elements that may be found in the document are defined in the following table:

Item	Presentation	Example
Cascading Menus	->	**X431**->**Local Diagnosis**
Parameter/value	**Bold**	Slide the WLAN switch to "**ON**".
Variable/unfamiliar term	*Italic*	Visit us by *http://cnlaunch.com.*
UI control	**Bold**	On the **Health Check** screen, tap **Enter**.
Message	""	The "success" message appears.

1.3 Symbols

Following symbols are used in this document:

Symbol	Definition	Usage
🗐	Note	Widely used for any supplementary information.
ⓘ	Tip	Refers to easily overlooked tricks that is necessary for a better user experience.

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2 About X-PROG3

2.1 Product Overview

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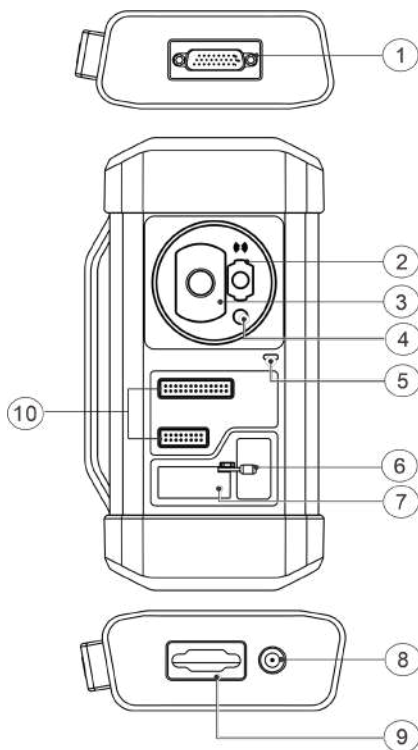
No.	Part Name	Description
1	DB26 diagnostic connector	To connect with all anti-theft cables.
2	Benz key slot	To place Benz car key.
3	Key slot	To place car key for RF defection.
4	Key chip slot	To place key chip.
5	Power indicator	• Red light indicates faults. • Orange light indicates functions normally.
6	Valve	To tighten loose EEPROM board.
7	EEPROM slot	To insert EEPROM board
8	Power port	For power charging
9	DB15 diagnostic connector	To connect with main diagnostic cable.
10	DIY slot	To insert vehicle DIY board.

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2.2 Power Source

The product does not have an independent power supply, you can powered it up by the followings ways:

• Use the power adapter supplied by Launch
• Connect the device through the vehicle's DLC

2.3 Technical specifications

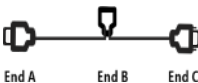| Input voltage	12 V DC
Input current	500 mA
Working temperature	0 to 50 ℃
Storage temperature	- 20 to 70 ℃
Dimension	39 x 107 x 298 mm

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3 Diagnostics

X-PROG3 diagnostic function supports key programming, engine and gearbox replacement for various of vehicles, you can retrieve ECU information, read, erase, and write in for a range of chips as shown in the product options.
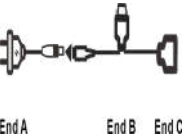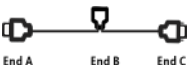
3.1 Common Operations

• **3.1.1 Establish Hardware Connection**

You need to turn off the ignition and correctly locate the vehicle Data Link Connector (DLC) so as to perform hardware connection.

You can refer to the table below for hardware connection:

User Scenario	Cable Image	End A	End B	End C
Key programming	End A End B End C Main diagnostic cable	Connect with Launch VCI connector for data transmission	Connect with vehicle's DLC	Connect with X-PROG3

Engine/ Gearbox programming	End A End B End C Power cable	Connect power supply	N/A	Connect with end B the main diagnostic cable
Engine/ Gearbox programming	End A End B MCU cable with mutiple leads	Connect with X-PROG3	Connect with the engine or gear box to be repaired/ replaced	N/A
Engine/ Gearbox programming	End A End B End C Main diagnostic cable	Connect with Launch VCI connector for data transmission	Connect power supply cable	Connect with X-PROG3

- ## 3.1.2 Establish Wireless Connection

You must make sure that your diagnostic tool is well connected with X-PROG3, follow steps below to check wireless connection:

📝 Note: It is strongly recommended to connect the diagnostic tool with the VCI connector using a USB cable for effective data transmission.

1. Slide down the status bar from the top.

2. Touch ⚙ , go to **Wireless and network->Bluetooth**.

3. Select the X-PROG3 to be connected, wait until the connection is successful.

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• **3.1.3 Perform Common Operations**

You should enter the function interface before using the programmer.

1. Turn on a Launch diagnostic tool, and/or open [icon] on the home screen.

2. On the main diagnostic screen, enter Anti-theft system either from **Local Diagnose** or **Reset**, touch **OK**.

3. You will view the connection diagram, touch **OK**.
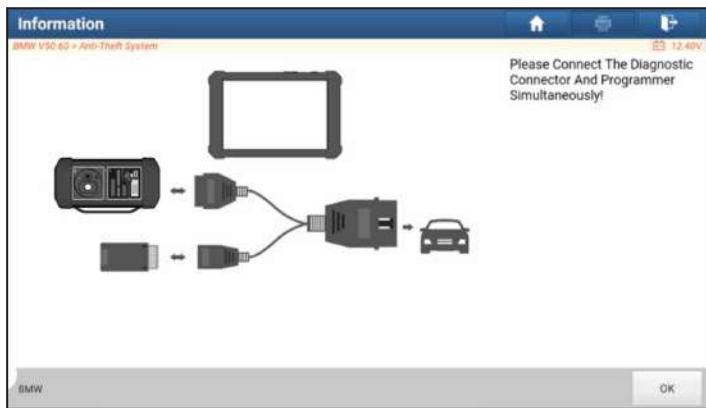
4. Depending on your requirement, touch any of the following options :
   • Gear Box Learning

   • Anti-Theft System

   • Engine System

3.2 Diagnostic Operations

3.2.1 Key Programming

You can use anti-theft system to access key chip programming functions. The product supports reading, retrieving and writing key information, as well as other key-related functions.

• **Connecting diagnostic system**

📌 Note:

The USB cable shown in below diagram is not included in the packing list for now, using a USB cable could effectively enhance your data transmission speed.


Diagnostic Tool   VCI Connector   Passenger Vehicle   X-PRO G3
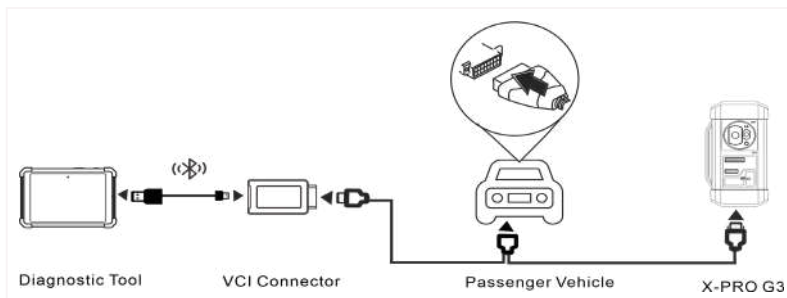
• **Operating on key programming**
You can use key programming function to backup old key data and write in data for new keys. Below procedure shows you how to perform key programming for BMW using Launch diagnostic product, it contains backup current key data and new key generation.

1. Backup current key data.
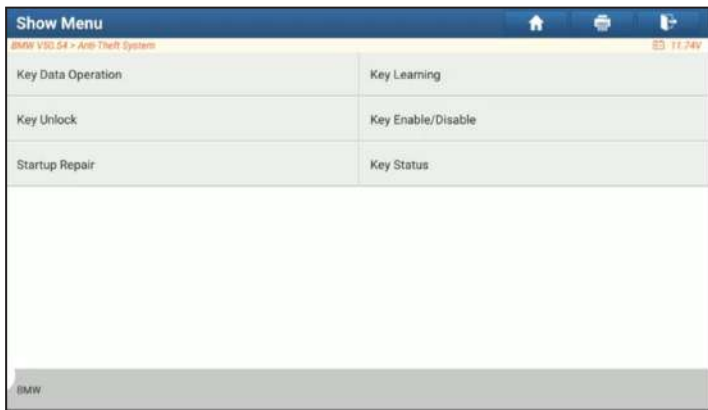
a. Touch **Intelligent Mode.**
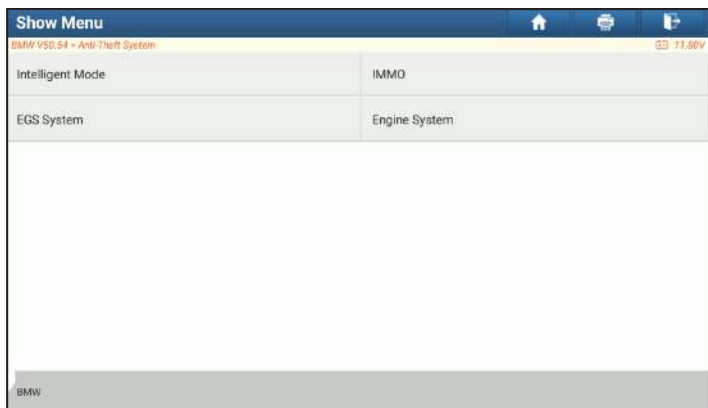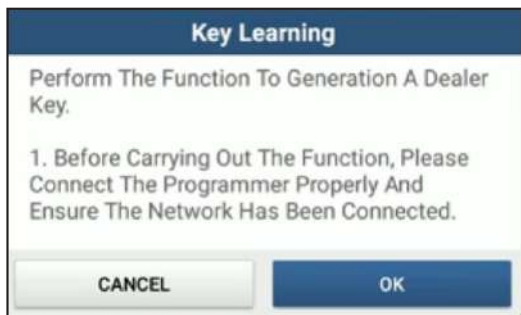
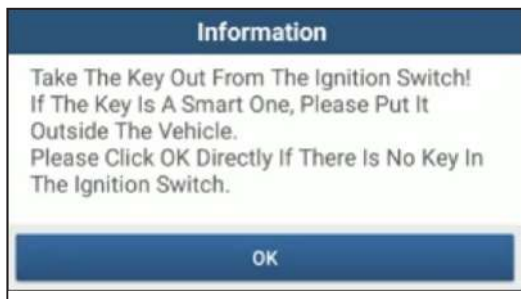b. Touch **OK** to confirm the IMMO Type.

c. Touch **Key Operation**.

d. Touch **Key Learning**.

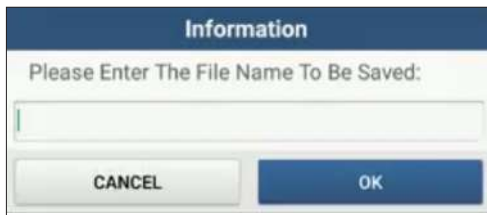e. Touch **OK** after reading the the onscreen instruction.

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Key Learning

Perform The Function To Generation A Dealer Key.

1. Before Carrying Out The Function, Please Connect The Programmer Properly And Ensure The Network Has Been Connected.

| CANCEL | OK |

f. Touch **OK**.

Information

Take The Key Out From The Ignition Switch! If The Key Is A Smart One, Please Put It Outside The Vehicle.
Please Click OK Directly If There Is No Key In The Ignition Switch.

OK

g. Touch **OK** to save the key data.

Key Learning

Key Data Read Successfully. Whether To Save Key Data?

| NO | YES |

h. Enter the key file name and touch **OK**.

i. Key file saved, touch **OK** to confirm.

EN
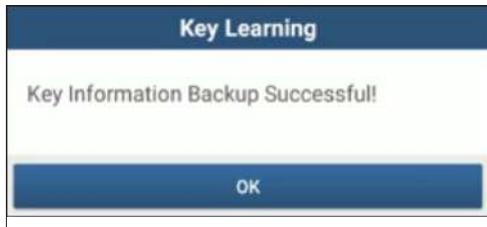
2. Generate a new key.

a. Touch the desired blank key position.

Key Position	Key ID	Key Type	Key Status	Vehicle Information	Enable/Disable Status
Key 2	BB53EE90	PCF 7953 remote key	Used	014B00	Disable
Key 3	1454EE90	PCF 7953 remote key	Used	004B00	Enable
Key 4	47AE9896	PCF 7953 remote key	Used	004300	Enable
Key 5	9C03869E	PCF 7953 remote key	Used	004300	Enable
Key 6	FFFFFFFF	Unknown	Unused	007608	Enable
Key 7	FFFFFFFF	Unknown	Unused	007608	Enable
Key 8	FFFFFFFF	Unknown	Unused	007608	Enable

Key Learning — BMW V50.54 + Anti-Theft System — 11.75V

Key Generated By Ignition Switch | Key Generated By Programmer | Erase Key 1
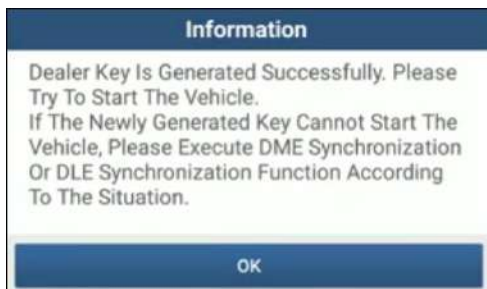
BMW

b. Place the new key into the programmer key slot and touch **OK**.

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c. Confirm the key type, if the you are using a smart key, touch **YES**.
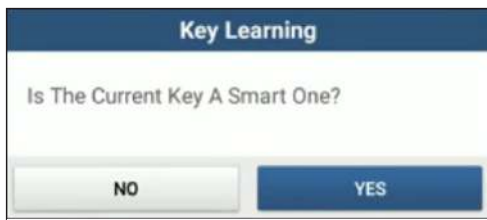
d. If the key generation is done, touch **OK t**o confirm.
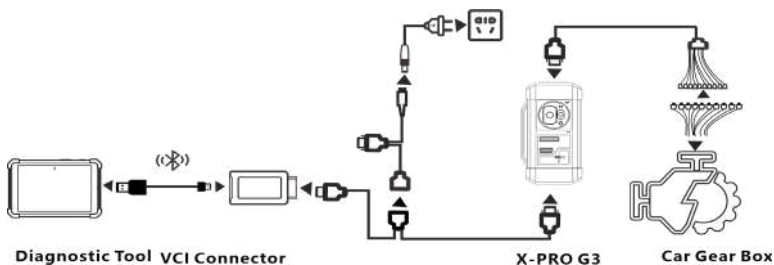

• **3.2.2 Gear Box Programming**

 You can use gear box programming function to restore the old gear box data or write in new data after a new gear box is replaced.

• Connecting diagnostic system for gear box programming

> 🗲 Note:
>
> • The USB cable shown in below diagram is not included in the packing list for now, using a USB cable could effectively enhance your data transmission speed.
> • Certain Vehicle gear boxes are connected based on the real chassis type, for information how to connect the gear box, refer to the *onscreen connection diagram*.


Diagnostic Tool VCI Connector   X-PRO G3   Car Gear Box

• Operating on Gear Box programming

Below procedure shows you how to perform gear box programming for a BMW using Launch diagnostic product, the procedure contains Gear Box connection and Erasure of Gear Box data.

1. Connecting the Gear Box.

a. On the programmer function interface, touch **EGS System** to enter gear box programming.

b. Touch the correct chassis type.
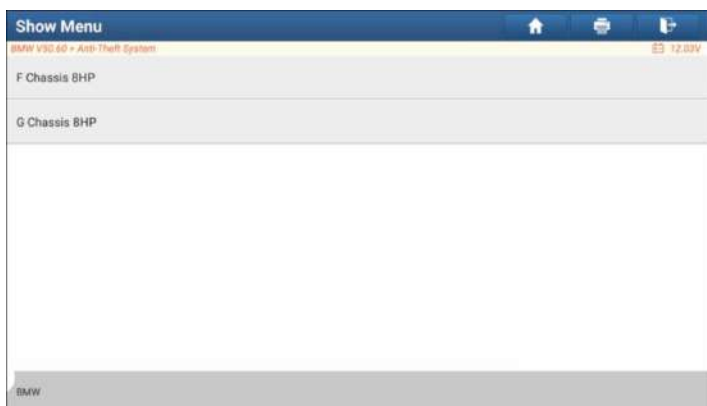
c. You will then see a corresponding connection diagram. Touch **OK**.
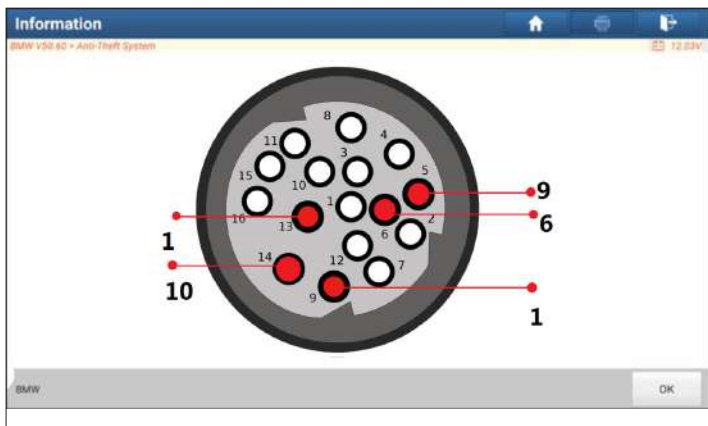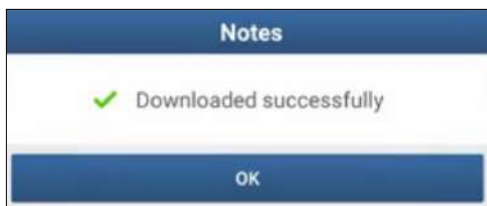
2. Erasing Gear Box data.
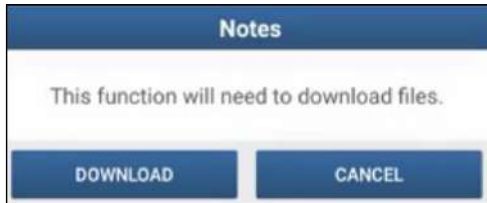
a. Touch **EGS Erasure**.
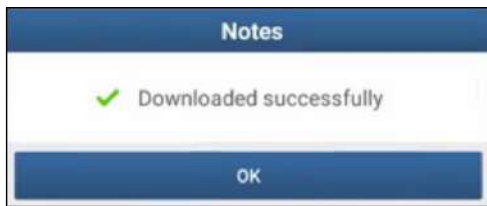

b. Touch **DOWNLOAD**.

c. Touch **OK**.

d. Touch **DOWNLOAD**.

e. Touch **OK**.

f. Touch **YES**.

ECU Reset

Erasure Of EGS Requires To Upgrade The
FLASH. Please Ensure The Supply Voltage Is
Not Below 13V And Is Stable!
Whether To Continue To Upgrade?

| NO | YES |

g. Touch **YES**.

ECU Reset

CAFD Code File Is Lost Or Current CAFS Does
Not Support Back-Up! !
Whether To Continue To Erase?

| NO | YES |

h. Touch **OK**.

ECU Reset

EGS Erasure Successful!
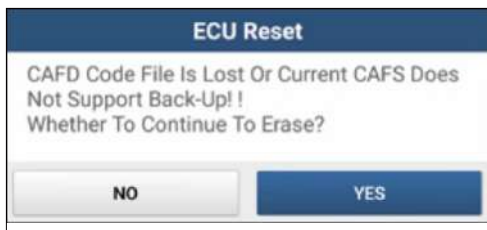
| OK |

3.2.3 Engine Programming

The engine programming function supports engine data reading, after a new gear box is replaced, you can use engine programming function to write in the backup data.

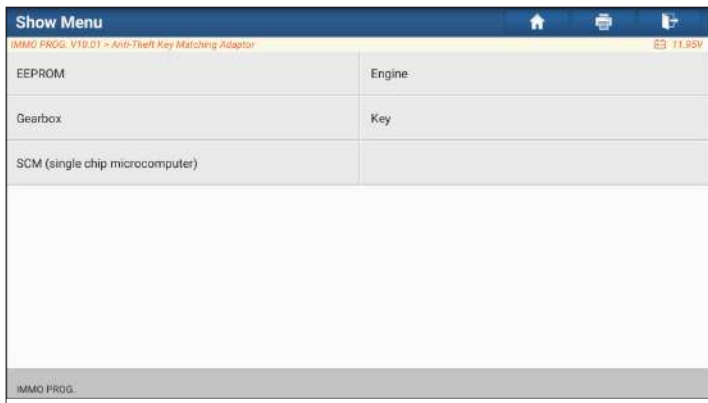• **Connecting diagnostic system for Engine programming**

> 🔖 Note:
>
> - The USB cable shown in below diagram is not included in the packing list for now, using a USB cable could effectively enhance your data transmission speed.
> - Vehicle engine connection could vary depending on engine types, for information how to connect the car engine, refer to the onscreen connection diagram.

Diagnostic Tool   VCI Connector   X-PRO G3   Car Engine
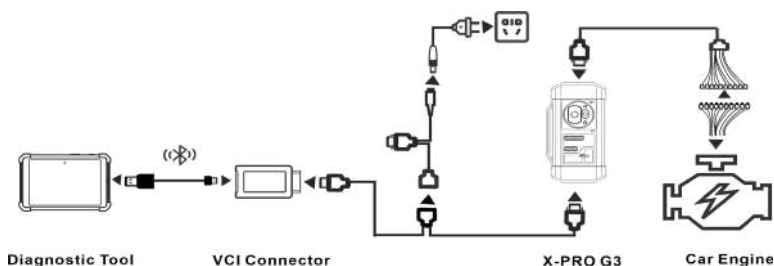
- **Operating on Engine Programming**

Below procedure shows you how to perform engine programming for a Volkswagen using Launch diagnostic product, the procedure contains chip ID retrieval, engine connection, data backup and data restoration.
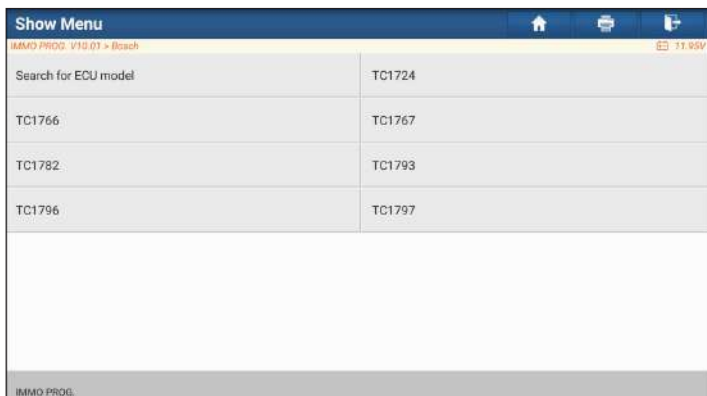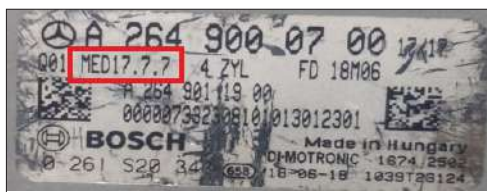
1. Retrieve chip ID.
a. Touch **Engine**.

Show Menu

IMMO PROG. V10.01 > Anti-Theft Key Matching Adaptor   11.95V

EEPROM	Engine
Gearbox	Key
SCM (single chip microcomputer)	

IMMO PROG.

b. Select Engine Brand.

Show Menu

IMMO PROG. V10.01 > Engine   11.95V

Bosch

IMMO PROG.

c. Touch **Search for ECU model**.

EN

d. Check ECU model (printed on the sticker on the back of your Engine), enter the engine type in the dialogue box(In example below,the engine type should be MED17.7.7).
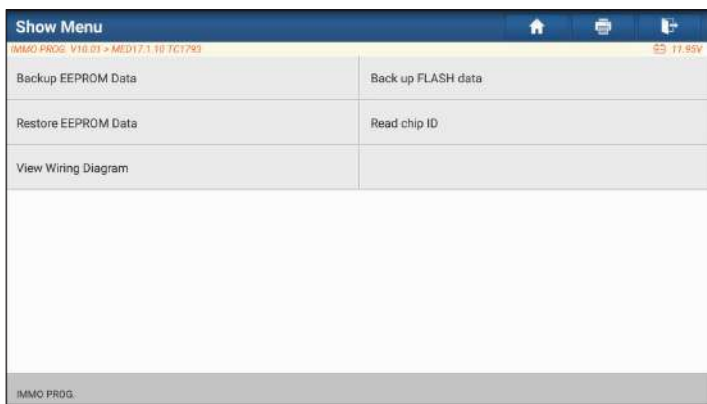

e. Touch **OK**.

Information

The main control chip corresponding to the current engine type is: TC1793

OK

2. Connect the engine.
a. Touch View Wiring Diagram.

Show Menu			
IMMO PROG. V10.01 > MED17.1.10 TC1793			11.95V
Backup EEPROM Data		Back up FLASH data	
Restore EEPROM Data		Read chip ID	
View Wiring Diagram			

IMMO PROG.
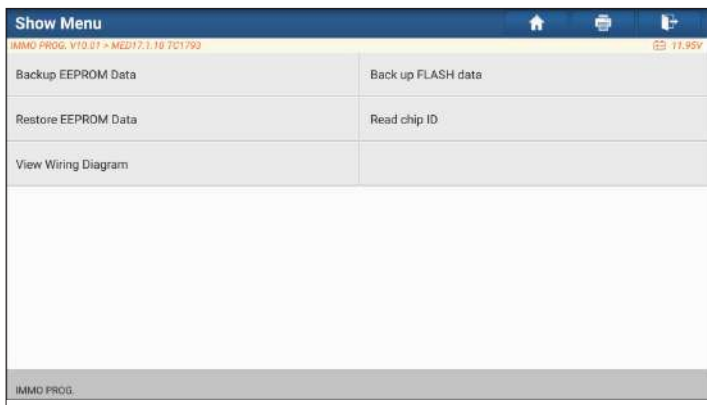
b. Read the connection diagram, perform the proper connection based on the engine type and then touch **OK**.
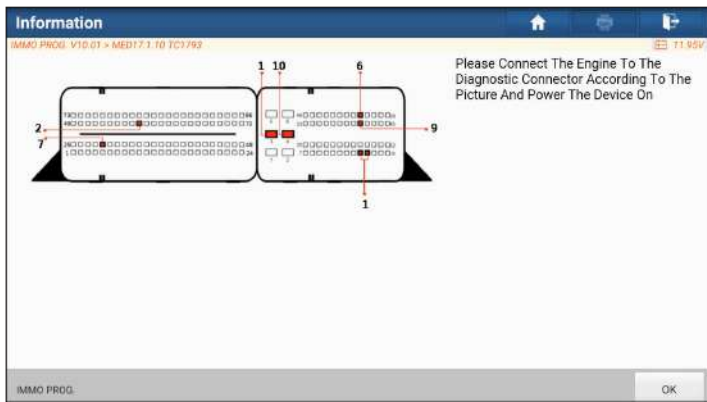
c. Touch **Read chip ID**.

d. When below dialogue box appears, touch **OK**.

3. Backup data.
a. Touch **Backup EEPROM Data**.

Show Menu	🏠 🖨 📤
IMMO PROG. V10.01 > MED17.1.10 TC1793	🔋 12.24V
Backup EEPROM Data	Back up FLASH data
Restore EEPROM Data	Read chip ID
View Wiring Diagram	
IMMO PROG.	
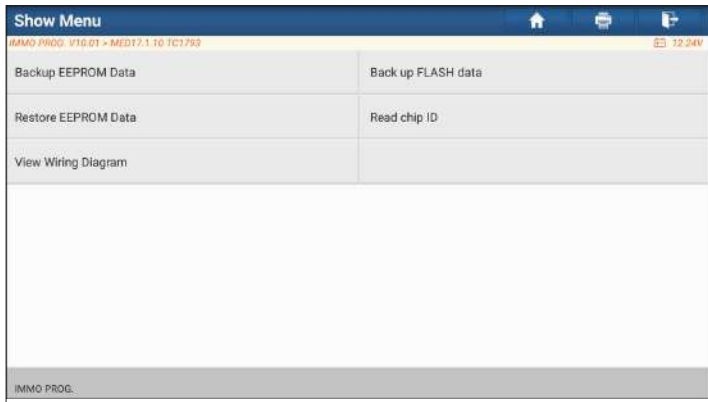
b. Enter the file name for EEPROM data.

Anti-Theft Function

Please Input The Saved File Name:

CANCEL	OK

c. Confirm the storage path, and touch **OK**.

Information

Selected File Is:/storage/sdcard/cnlaunch/
X431PADIII/985691113900/DIAGNOSTIC/
ImmoData/Bosch_ecu.bin

OK

d. Touch **OK**.

Information

Data backup succeeded

OK

e. Follow the onscreen instructions to backup flash data also when the above is done.

4. Restore EEPROM data.

🔴 Stop: The EEPROM restoration applies only when you have encountered irrevocable faults.

a. Touch **Restore EEPROM Data**.

Show Menu	🏠 🖨 ▶
IMMO PROG. V10.01 > MED17.1.10 TC1793	🔋 12.14V
Backup EEPROM Data	Back up FLASH data
Restore EEPROM Data	Read chip ID
View Wiring Diagram	

IMMO PROG.
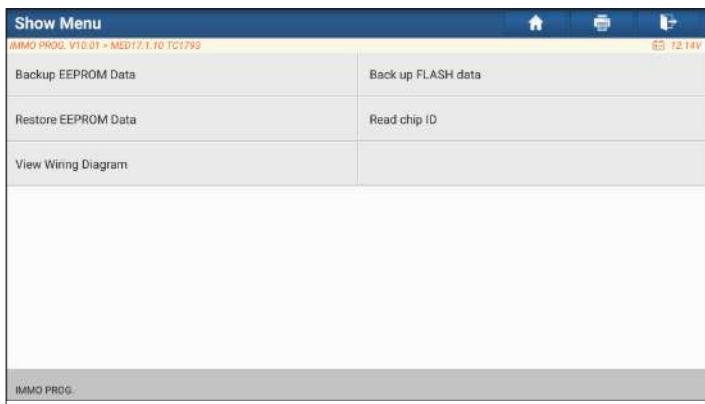
b. Touch Backup EEPROM file name.

Anti-Theft Function	🏠	🖨	🔃
IMMO PROG. V10.01 > Anti-Theft Function			🔋 12.14V
Backup File Name			
rjijg.bin			
jjkkkkk.bin			
12346789.bin			
yiopkmnn.bin			
uijnnnmk.bin			
23344%.bin			
Med17.bin			
Bosch_ecu.bin			
EXIT			
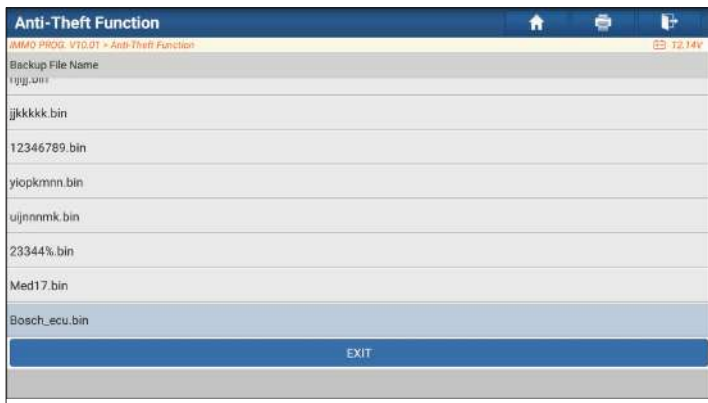
c. Confirm the selected Backup EEPROM file, and touch **OK.**

Information

Selected File Is:Bosch_ecu.bin
Select [YES] To Continue, [NO] To Exit.

NO	YES
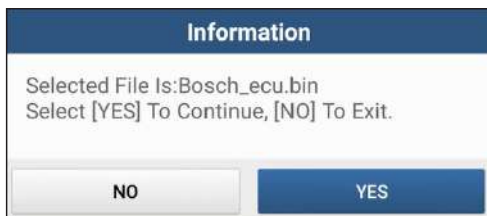
d. When the data is successfully restored, touch **OK**.

Information

Data Successfully Restored!

OK

• **3.2.4 Return from Diagnostic Function**
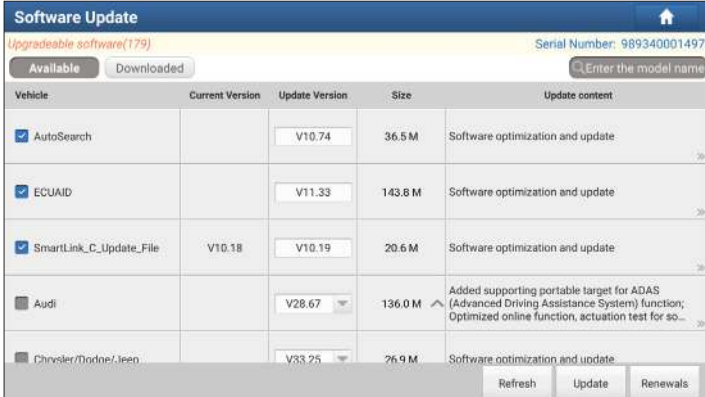
After completion, you can press ↰ to return from programming interface.

4. Software Upgrade

The software update function keeps your diagnostic software & App up-to-date, you can also use it to customize your frequently used software.

To update Diagnostic Software & APP:

1. On the main diagnostic screen, tap **Software Update** to enter the update center. Check the software you want to upgrade, and then tap **Update**.

2. Once downloading completes, the software packages will be installed automatically.
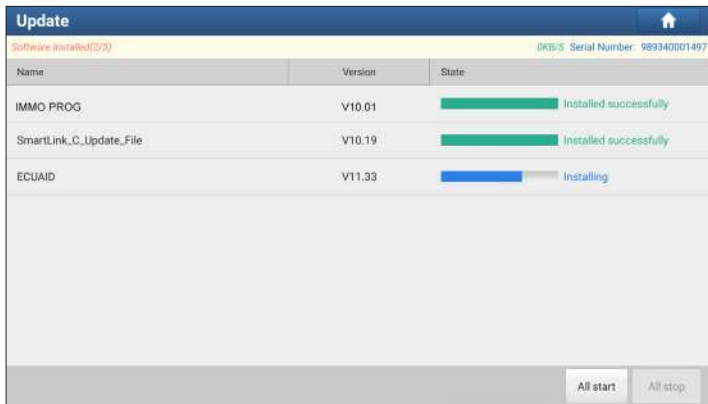
📇 Note:

- You may stop the process by tapping **Stop**, and tap **Continue** to resume the process later.
- In case of network connection failure, tap **Retry**.

3. You will see below dialogue box once the installation is completed.

5. Warranty

Launch warrants its customer against any defects in workmanship and material of this product for 1 year after the date of delivery. Final judgment of defects shall be made by LAUNCH in accordance with procedures established by LAUNCH. No agent, employee, or representative of LAUNCH has any authority to bind LAUNCH to any affirmation, representation, or warranty concerning LAUNCH automotive meters, except as stated herein. The exclusive remedy for all automotive meters found to be defective is to repair or replace, and LAUNCH has no liability for any consequential or incidental

damages.

The following cases are not covered in product warranty:

• Products with mechanical serial number being altered, removed, or defected.
• Products exposed to extreme conditions, such as excessive temperature, or moisture.
• Products damage resulting from external causes such as fire, dirt, sand battery leakage, blown fuse, theft or improper usages of electrical source.
• Products subject to accidents, mishandling, unauthorized alteration, abnormal usage or conditions, improper installation, repair or storage.

Order Information

Replaceable and optional parts can be ordered directly from your LAUNCH authorized tool supplier. Your order should include the following information:

4. Quantity
5. Part number
6. Item description
Customer Service

If you have any questions on the operation of the unit, please contact local dealer, or contact LAUNCH TECH. CO., LTD:

Tel: +86-755-84527891

E-mail: overseas.service@cnlaunch.com

法律声明
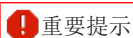
注意

本文档中描述的全部或部分产品、服务或特性可能不在您的购买或使用范围之内。除非合同另有约定，元征公司对本文档内容不做任何明示或默认的声明或保证。

手册升级，恕不另行通知，若需最新手册，请通过以下方式获取：

与您的产品销售商联系；

登陆元征官方网站 www.cnlaunch.com下载。

⊕ 重要提示	本手册介绍了如何正确使用本产品。操作手册所述流程前，请务必认真阅读安全注意事项后再使用该产品。

安全信息

文中使用的指示图标说明如下：

🖳	说明	说明突出重要信息和使用窍门，对您的操作进行必要的提示、补充和说明。
⚠	注意	提醒您在操作中必须注意和遵循某些事项。如未按照要求操作，可能会出现设备损坏、数据丢失等不可预知的结果。
❗	警告	警告您可能会存在潜在的危险，若无法避免，可能会造成较为严重的人身伤害。

更多服务

消费者服务热线：4000-666-666

更多信息请访问https://x431.com

注意事项

- 请勿在多灰、潮湿、肮脏或靠近磁场的地方使用设备，以免引起设备内部电路故障。
- 请勿在雷雨天气使用本设备。雷雨天气可能导致设备故障或电击危险。

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- 请在温度0℃到50 ℃范围内存放设备及其配件。当环境温度过高或过低时，可能会引起设备故障。
- 请勿将设备放置在阳光直射的地方，如汽车仪表盘或窗台处。
- 请避免设备及其配件雨淋或受潮，否则可能导致火灾或触电危险。
- 请勿将设备靠近热源或裸露的火源，如电暖器、微波炉、烤箱、热水器、炉火、蜡烛或其他可能产生高温的地方。

包装清单

- 主机
- 电源适配器和电源线
- 主诊断线
- MCU飞线
- SOP8芯片转换器
- EEPROM PCBA
- MCU PCBA V1
- MCU PCBA V2
- 产品手册

目录

1 关于本手册

本手册包含了产品操作使用说明。手册里涉及的一些功能和图示，可能包含了您使用的设备中没有的模块和选配设备。您可通过联系当地的经销商和销售代表，了解其它选配的模块和配件等。

1.1目标读者

本文旨在为车主或维修技师使用本产品进行诊断程序提供指导，阅读前您需要对车辆知识有基本了解。

1.2 约定

下表定义了文档中可能出现的特殊元素：

名称	符号	示例
联级菜单	->	**X431->**本地诊断
参数/值	粗体	将WLAN开关切换至**ON**。
变量或陌生术语	斜体	获取更多信息，请访问*www.cnlaunch.com*。
UI控件	粗体	在状况检查屏幕上，单击进入。
消息	""	弹出"连接成功"消息。

1.3 图标定义

下表定义了文档中可能出现的图示及其含义：

	说明	解释说明以突出重要信息，对您的操作进行必要的补充和说明。
	提示	指出重要使用小窍门，对您的操作进行必要的提示和补充。
	重要提示	对重要的信息进行突出，提醒使用者按照标准执行。

2 关于 **X-PROG3**

2.1 产品介绍
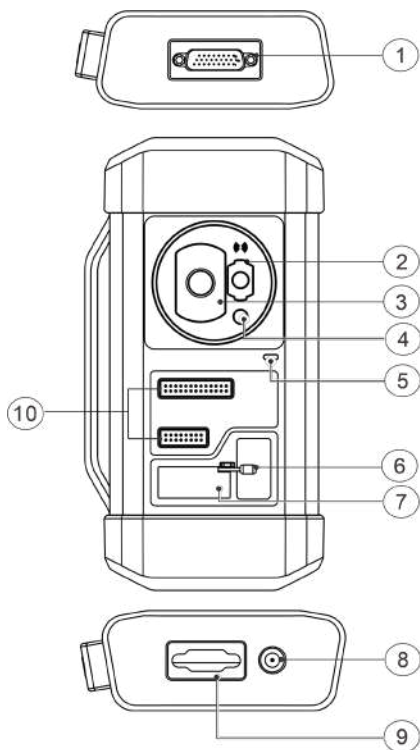
编号	部件名称	功能
1	DB26 诊断线	用于插接MCU 飞线连接待诊设备
2	Benz 钥匙槽	用于放置奔驰汽车钥匙
3	钥匙卡槽	用于放置汽车钥匙
4	钥匙芯片槽	用于放置汽车钥匙芯片
5	电源指示灯	红灯表示发生故障. 黄灯表示正常工作
6	卡紧阀杆	用于卡紧EEPROM芯片
7	EEPROM 卡槽	用于插接EEPROM板
8	电源接口	用于供电
9	DB15 诊断线	用于连接主诊断线
10	DIY 卡槽	插接DIY板

2.2 电源

X-PROG3本身不带独立电源，您可以通过如下方式对产品供电。

· 用元征配备的电源适配器供电
· 通过汽车DLC接口供电

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2.3 技术参数

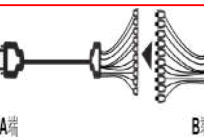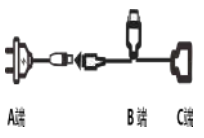|	
工作电压	12 V DC
输入电流	500 mA
工作温度	0 to 50 ℃
储藏温度	- 20 to 70 ℃
包装尺寸	39 x 107 x 298 mm

3 诊断
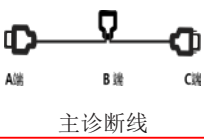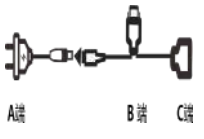
X-PROG3诊断功能支持各种车型的钥匙编程、发动机和变速箱更换，您可获取ECU信息、读取、擦除和写入含有防盗数据的相关芯片。

3.1常用操作

3.1.1建立硬件连接

您需要关闭点火开关并正确定位车辆DLC，以便进行硬件连接。

硬件连接见下表：

使用场景	线缆图片	A端	B端	C端
钥匙编程	主诊断线	用于连接元征VCI接头以传输数据	连接汽车DLC端口	连接X-PROG3
发动机/变速箱编程	电源线	连接电源	N/A	与X-PROG3连接
发动机/变速箱编程	MCU飞线	连接X-PROG3	连接待更换或维修的发动机和波箱	N/A
发动机/变速箱编程	主诊断线	连接元征VCI接头	连接电源线	用于连接X-PROG3

3.1.2 建立无线连接

确认您的诊断设备与**X-PROG3**连接良好后，按照以下步骤检查无线连接：

> 建议使用USB电缆将诊断工具与VCI连接器连接起来，以便进行有效的数据传输。

1. 从设备顶部向下滑动状态栏。

2. 点击 ⚙ ，进入无线和网络->蓝牙。
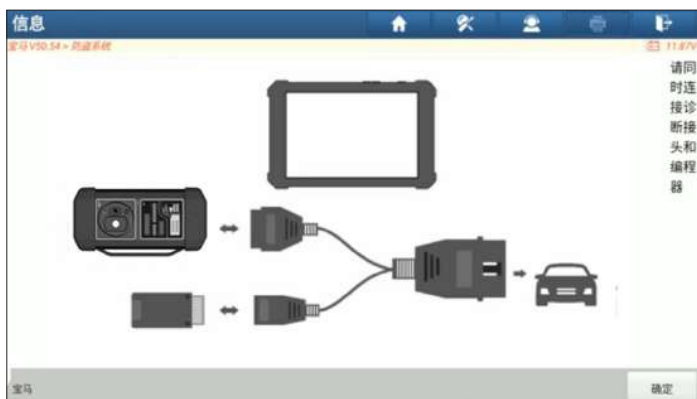
3. 选择需要连接的X-PROG3，等待蓝牙连接成功。

3.1.3 执行常规操作

•

1. 在使用编程器之前，您需进入防盗编程器功能界面，点击本地诊断工具或特殊功能，

2. 点击确定查看连接方法。

3. 诊断连接图示例显示如下，点击确定。

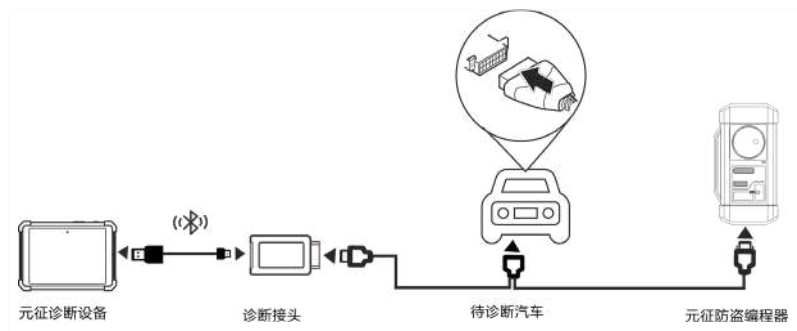4.根据您的要求，点击任一选项继续：

- 变速箱系统
- 防盗系统
- 发动机系统
- 智能模式

3.2 诊断操作

3.2.1钥匙编程

您可以使用防盗系统访问钥匙芯片编程功能。本产品支持读取，备份和写入钥匙信息以及其他钥匙相关功能。

- 连接诊断系统

📑 下图所示USB线不在产品包装清单中，推荐您使用USB线以提高您的数据传输效率。

CH

元征诊断设备　　　　　诊断接头　　　　　待诊断汽车　　　　　元征防盗编程器

• 钥匙编程操作

您可以使用钥匙编程功能以备份旧钥匙数据，并写入新钥匙中。如下操作将向您展示为宝马配钥匙的流程，该流程包含备份当前密钥数据和生成新密钥。

1. 备份当前钥匙数据。
a. 点击智能模式。

b. 点击确定。

c. 点击钥匙操作。

d. 点击钥匙学习。

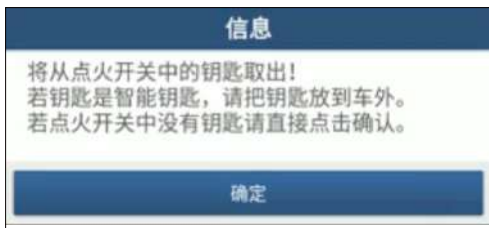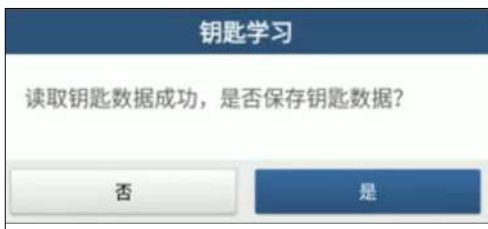| 菜单显示			🏠	✂	👤	🖨	▶
宝马 V50.54 > 防盗系统							🔋 11.82V
钥匙数据操作		钥匙学习					
钥匙解锁		钥匙启/禁用					
启动修复		钥匙状态					

宝马

e. 阅读屏幕说明后，点击确定。

钥匙学习

执行此功能，生成经销商钥匙。

1. 在执行此功能前，请先连接好编程器并确保已连接网络。

| 取消 | 确定 |

f. 点击确定。

信息

将从点火开关中的钥匙取出！
若钥匙是智能钥匙，请把钥匙放到车外。
若点火开关中没有钥匙请直接点击确认。

确定

g. 点击确定，以保存钥匙数据。

钥匙学习

读取钥匙数据成功，是否保存钥匙数据？

| 否 | 是 |

h. 输入文件名，然后点击确定。

信息

请输入保存的文件名：

| 取消 | 确定 |

i. 文件已保存，点击确定。

钥匙学习

备份钥匙信息成功！

确定

2. 生成新密钥。

a. 点击所需的空白钥匙位置。

CH

b. 将新钥匙放入编程器钥匙槽，然后点击确定。

c. 确认钥匙类型，如果您使用的是智能钥匙，点击是。

d. 钥匙生成完成，点击确定。

信息

生成经销商钥匙成功，请尝试启动车辆。
如果新生成的钥匙不能启动车辆，请按照情况
执行同步DME或同步DLE功能！
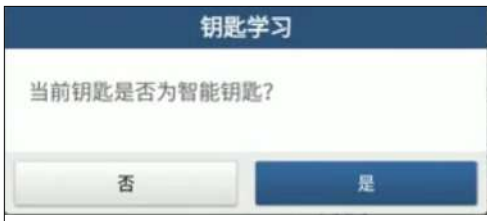
确定
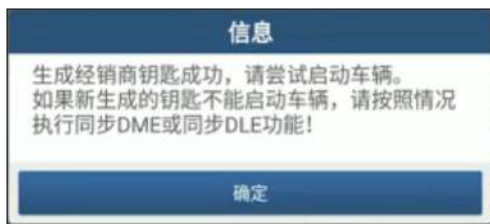
3.2.2 变速箱编程

您可以使用变速箱编程功能，以恢复旧变速箱数据，或更换变速箱后写入新数据。

- 连接变速箱编程诊断系统

  - 下图所示USB线不在产品包装清单中，推荐您使用USB线以提高您的数据传输效率。
  - 根据不同车型，车辆变速箱的连接方式也不同，有关如何连接变速箱的信息，请参阅屏幕连接图。

元征诊断设备   诊断接头   元征防盗编程器   汽车变速箱
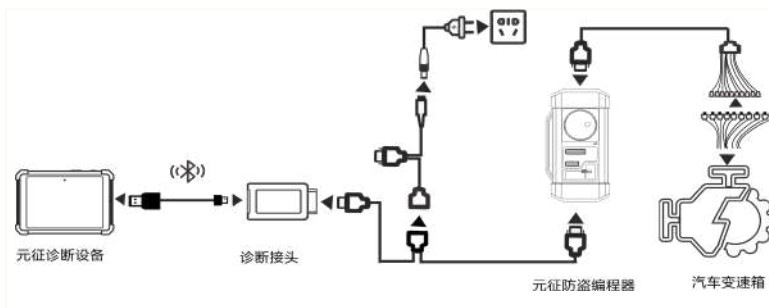
- 变速箱编程操作

如下流程展示了使用宝马进行变速箱更换的操作流程，流程包括变速箱连接和数据擦除。

1. 连接变速箱。

a. 在编程器功能界面，点击EGS系统进入减速箱编程。

b. 点击正确的底盘类型。

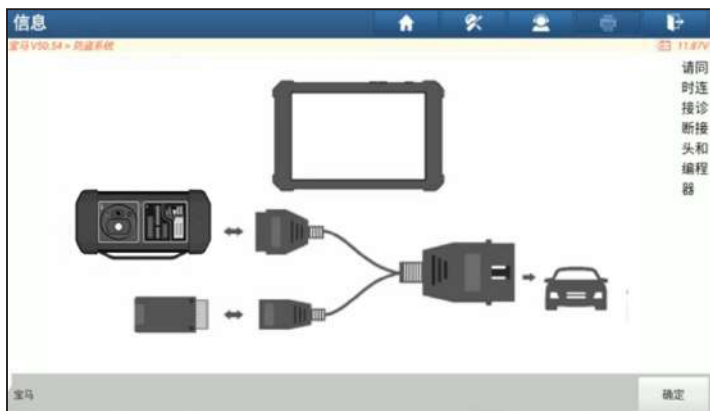c. 然后您将看到相应的连接图。点击确定。

2. 擦空变速箱数据。

a. 点击变速箱擦空。

b. 点击下载

CH

c. 点击确定。

d. 点击下载。
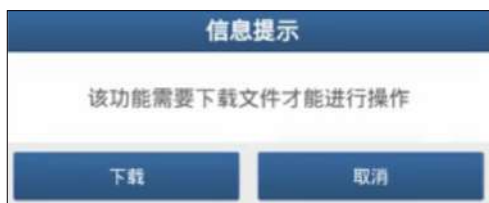
e. 点击确定。

f. 点击是。

g. 点击是。

h. 擦空成功，点击确定。

3.2.3 发动机编程

您可在变速箱更换后执行发动机编程功能，用以写入备份数据。

- 连接诊断系统进行发动机编程

  · 下图所示USB线不在产品包装清单中，推荐您使用USB线以提高您的数据传输效率。
  - 根据不同车型，车辆发动机的连接方式也不同，有关如何连接发动机信息，请参阅屏幕连接图。

CH

元征诊断设备   诊断接头   元征防盗编程器   汽车发动机
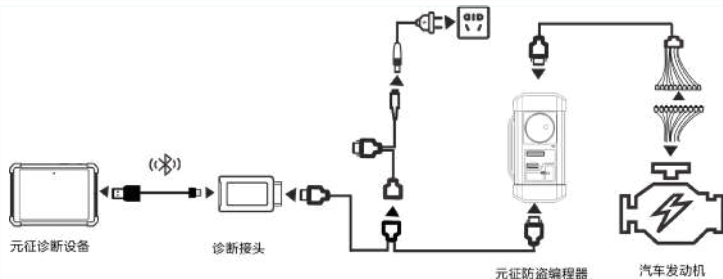
• 发动机编程操作

如下流程展示了使用宝马汽车进行发动机编程的操作，流程中包含备份EEPROM和FLASH数据（原车发动机）、记录ISN码、备份EEPROM和FLASH数据（二手发动机模块），以及将修改过的EEPROM文件重新写入二手发动机模块。

1. 备份原车发动机模块EEPROM和FLASH数据。
a. 点击发动机系统。

菜单显示					
宝马 V50.54 > 防盗系统					11.73V
智能模式		防盗系统			
变速箱系统		发动机系统			

宝马

b. 选择BENCH模式。
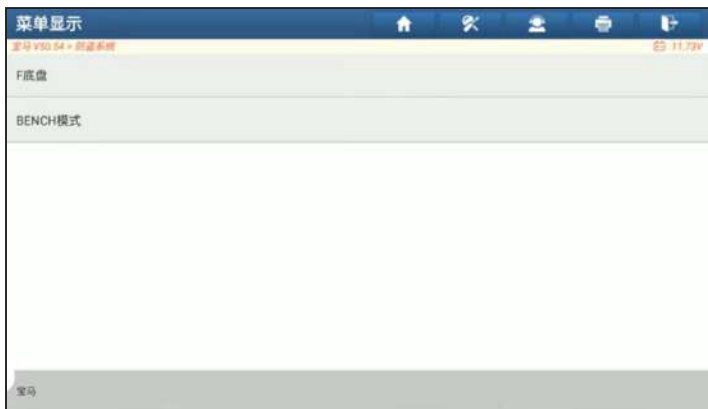
c. 选择对应的发动机型号。

d. 点击显示连接图。

e. 根据连接图完成发动机的连接，并点击确定。

f. 点击备份EEPROM数据。

g. 备份EEPROM数据成功，请输入文件名，并点击确定，保存文件。

h. 点击确定。

2. 解密原车模块EEPROM数据，记录下32位ISN码。

a. 点击FLASH&EEPROM数据解密。

CH

菜单显示	♠	✕	≗	🖨	➡
宝马 V30.54 > 防盗系统					📶 11.72V
备份Eeprom数据		备份FLASH数据			
还原Eeprom数据		Flash&Eeprom数据解密			
修改ISN		读取芯片ID			
显示连接图					
宝马					

b. 选择原车模块的EEPROM文件。

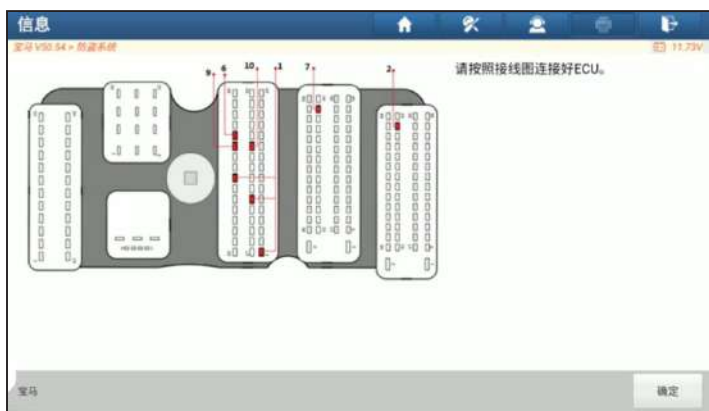| 信息	♠	✕	≗	🖨	➡
宝马 V30.54 > 防盗系统					📶 11.72V
备份文件名					
ttttttttt.bin					
Bmw6hp.bin					
bmw6hpdata.bin					
bmw6hpdataall.bin					
bmw6hpdata111.bin					
mevd17.2.4.bin					
mevd17.2.4eeprom.bin					
mevd17.2.4new.bin					
宝马					

c. 点击是。

信息

选择文件是：mevd17.2.4new.bin
选择[是]继续，选择[否]退出。

| 否 | 是 |

d. 拍照记录ISN码，并点击确定。

Flash&Eeprom数据解密

3A65F73C8D9E756B4C459B7353471F3C

确定
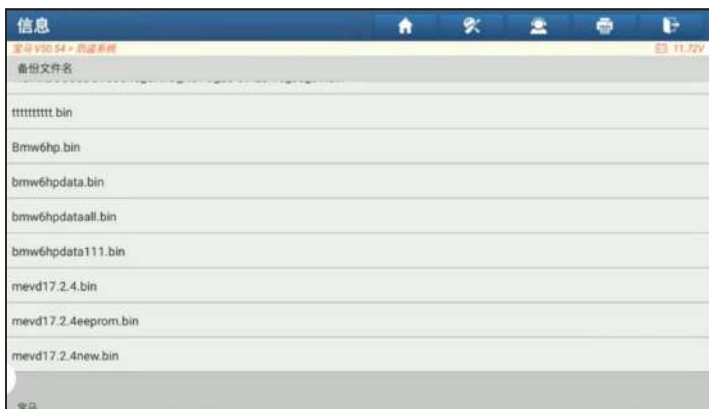
3. 重复步骤1中g 到i的操作,备份二手发动机模块EEPROM和FLASH数据。

4. 修改二手发动机模块ISN码（此处是修改二手模块的EEPROM文件）。

a. 点击修改ISN。

信息

宝马 V30.54 > 防盗系统   11.72V

备份文件名

tttttttttt.bin

Bmw6hp.bin

bmw6hpdata.bin

bmw6hpdataall.bin

bmw6hpdata111.bin

mevd17.2.4.bin

mevd17.2.4eeprom.bin

mevd17.2.4new.bin

宝马
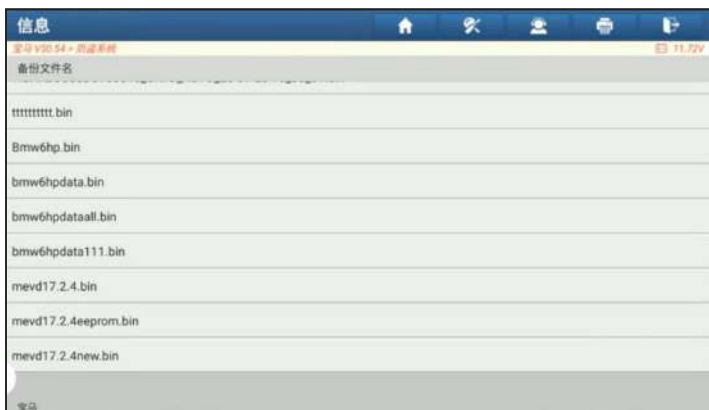
b. 选择二手发动机模块的EEPROM文件。

CH
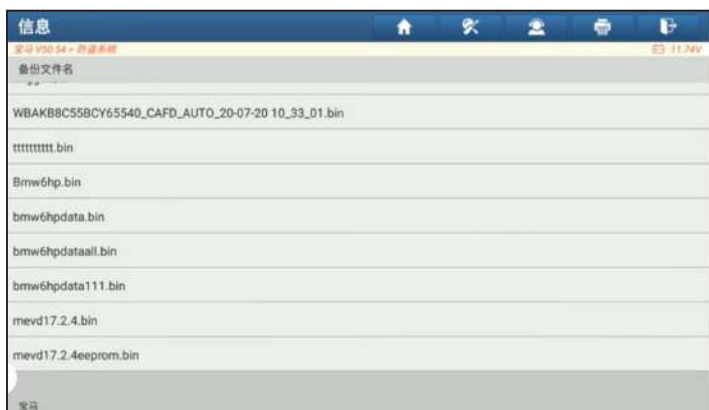
c. 选择是。

d. 输入原车模块解密的ISN码。

e. 输入文件名。

f. 点击确定。

5.将修改过的EEPROM文件，重新写进二手发动机模块。

a. 选择还原EEPROM数据。

CH

b. 选择是。

c. 若还原成功，点击确定。此时二手发动机模块中ISN码已经修改完成，可以装车编程设码等操作。

3.2.4 退出诊断功能

编程结束后，可连续点击 ↰ 从编程界面返回。

4 软件升级

你可使用软件更新功能升级您的软件，并自定义您常用的软件更新诊断软件和应用程序：

1. 在主诊断屏幕上，点击软件升级进入升级界面。检查要升级的软件，然后点击一键升级。
2. 下载完成后，将安装软件包自动安装。

> 您可以通过点击全部暂停，以中止升级过程，您也可以点击全部开始稍后继续该过程。

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保修信息

■　　保修条款

该保修条款仅适用于通过正常程序购买元征公司产品之用户及经销商。

从交货之日起一年内，元征公司对其电子产品因材料或工艺而造成的缺陷进行保修，因滥用、擅自更改、用于非本产品设计之用途、未按说明书规定的方式操作等导致本设备或部件损坏不在本保修范围内。

■　　放弃声明

上述保修条款可以代替其它任何形式的保修条款。

■　　订货通知

可更换之零部件和可选配件可直接向元征公司授权的供应商订购，订货时请注明：

☑订购数量；

☑零件编号；

☑零件名称

服务信息

设备操作过程中遇到任何问题，请致电全国服务热线：400-066-6666。

设备需要维修时，请将设备寄至元征公司，并附上购买发票及问题说明。若设备在保修范围之内，元征公司将免费维修；若设备在保修范围之外，元征公司将收费维修并加收回程运费。

元征公司地址：

中国广东省深圳市龙岗区坂田雪岗工业区五和大道北元征工业园，深圳市元征科技股份有限公司客户服务中心收 邮编：5181294.

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