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Disclaimer of Warranties and Limitation of Liabilities

- All information, illustrations, and specifications in this manual are based on the latest information available at the time of publication.
- The right is reserved to make changes at any time without notice. We shall not be liable for any direct, special, incidental, indirect damages or any economic consequential damages (including the loss of profits) due to the use of the document.
- To take full advantage of the unit, you should be familiar with the engine.
- LAUNCH shall not be liable for any damages or problems arising from the use of any options or any consumable products other than those designated as Original LAUNCH Products or LAUNCH Approved Products by LAUNCH.

SAFETY PRECAUTIONS AND WARNINGS

To prevent personal injury or damage to vehicles and/or the test equipment, please read this user's manual first carefully and observe the following safety precautions at a minimum whenever working on a vehicle:

- There are no user serviceable parts. Have the device serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the device is maintained. Disassembling the device will void the warranty right.
- CAUTION: This tool contains an internal Lithium Polymer battery. The

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battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, pierce or dispose of the battery in fire or water.

- This product is not a toy. Do not allow children to play with or near this item.
- Do not expose the device to rain or wet conditions.
- Do not place the device on any unstable surface.
- Never leave the device unattended during charging process. The device must be placed on a non-flammable surface during charging.
- Handle the device with care. If the device is dropped, check for breakage and any other conditions that may affect its operation.
- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or heavy dust.
- Keep the tool dry, clean, free from oil, water or grease. Use a mild detergent on a clean cloth to clean the outside of the device when necessary.
- People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
- Always perform automotive testing in a safe environment.
- Do not attempt to operate or observe the tool while driving a vehicle. Operating or observing the tool will cause driver distraction and could cause a fatal accident.
- Wear safety eye protection that meets ANSI standards.
- Keep clothing, hair, hands, tools, test equipment, etc. away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area: Exhaust gases are poisonous.
- Put blocks in front of the drive wheels and never leave the vehicle unattended while running tests.
- Use extreme caution when working around the ignition coil, distributor cap, ignition wires and spark plugs. These components create hazardous voltages when the engine is running.
- Put the transmission in P (for A/T) or N (for M/T) and make sure the

parking brake is engaged.

- Keep a fire extinguisher suitable for gasoline/chemical/ electrical fires nearby.
- Don't connect or disconnect any test equipment while the ignition is on or the engine is running.

Compliance Information

FCC ID: XUJCRT511SV2

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

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

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

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:

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- 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.

RF warning:

The device has been evaluated to meet general RF exposure requirement. The SAR limit adopted by USA and Canada is 1.6 watts/kilogram (W/kg) averaged over one gram of tissue. The highest SAR value reported to the Federal Communications Commission (FCC) and the Innovation, Science and Economic Development Canada (ISED) for this device type when it is tested for the properly worn on the body is under 1g 1.6W/Kg. The minimum usage distance is 0mm for FCC/ISED.

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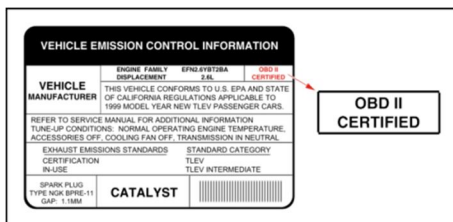
1. Introduction

The Smart TPMS Diagnostic System is specially developed by LAUNCH, which enables users to trigger TPMS sensor, program TPMS sensor, perform TPMS relearning and diagnostics. It also supports sensor OE number lookup and all 10 modes of OBD II test for a complete diagnosis.

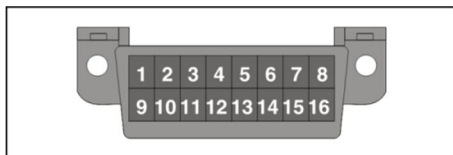
Moreover, it offers coding, reset, relearn and more service functions, to help vehicles get back to functional status after repair or replacement.

This tool is specially designed to work with all OBD II compliant vehicles. To verify if a vehicle is OBD II compliant, check the following:

1. **Vehicle Emissions Control Information (VECI) Label.** It is located under the hood or by the radiator of most vehicles. If the vehicle is OBD II compliant, the label will designate “OBD II Certified”.



2. Government regulations mandate that all OBD II compliant vehicles **must** have a “common” 16-pin **Data Link Connector (DLC)**.



Note: Some 1994 and 1995 vehicles have 16-pin connectors but are not OBD II compliant. Only those vehicles with a Vehicle Emissions Control Label stating “OBD II Certified” are OBD II compliant.

2. General Information-About OBDII/EOBD

2.1 On-Board Diagnostics (OBD) II

The OBD II system is designed to monitor emission control systems and key engine components by performing either continuous or periodic tests of specific components and vehicle conditions, which will relay the following information:

- Whether the Malfunction Indicator Light (MIL) is commanded “on” or “off”;
- Which, if any, Diagnostic Trouble Codes (DTCs) are stored;
- Readiness Monitor status.

2.2 Diagnostic Trouble Codes (DTCs)

OBD II Diagnostic Trouble Codes are codes that are stored by the on-board computer diagnostic system in response to a problem found in the vehicle. These codes identify a particular problem area and are intended to provide you with a guide as to where a fault might be occurring within a vehicle. **DO NOT** replace parts based only on DTCs without first consulting the vehicle’s service manual for proper testing procedures for that particular system, circuit or component.

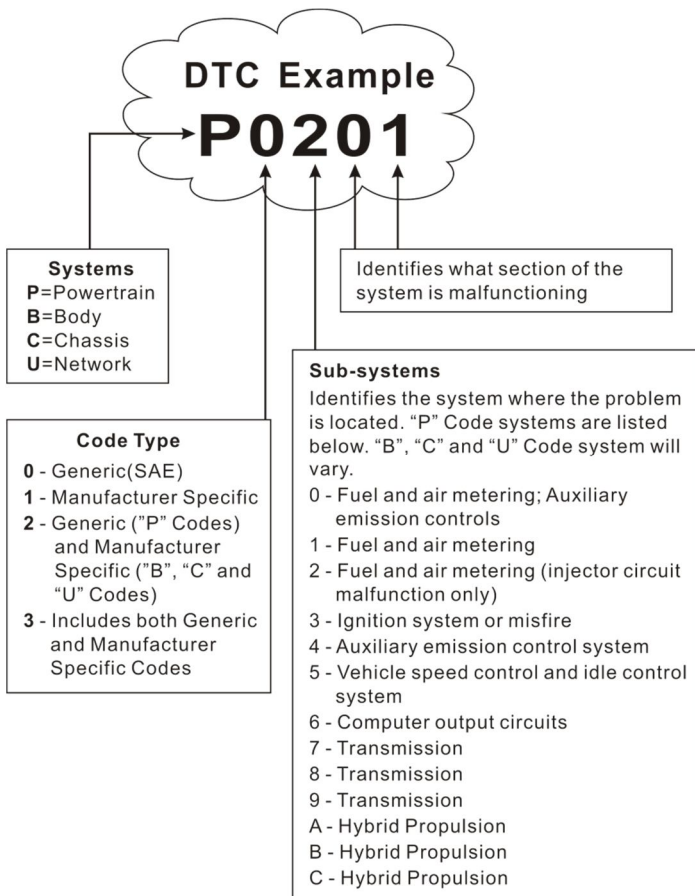
OBD II Diagnostic Trouble Codes consist of a five-digit alphanumeric code.

- The 1st character is a **letter** (B, C, P or U). It identifies the “main system” where the fault occurred (Body, Chassis, Powertrain, or Network).
- The 2nd character is a **numeric digit** (0 thru 3). It identifies the “type” of code (Generic or Manufacturer-Specific).

Note: Generic DTCs are codes that are used by all vehicle manufacturers. The standards for generic DTCs, as well as their definitions, are set by the Society of Automotive Engineers (SAE).

Manufacturer-Specific DTCs are codes that are controlled by the vehicle manufacturers. The Federal Government does not require vehicle manufacturers to go beyond the standardized generic DTCs in order to comply with the new OBD II emissions standards. However, manufacturers are free to expand beyond the standardized codes to make their systems easier to diagnose.

- The 3rd character is a letter or a numeric digit (0 thru 9, A thru F). It identifies the specific system or sub-system where the problem is located.
- The 4th and 5th characters are letters or numeric digits (0 thru 9, A thru F). They identify the section of the system that is malfunctioning.

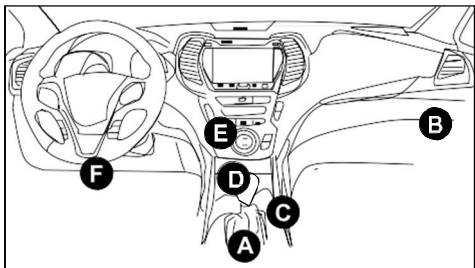


P0201 - Injector circuit malfunction, Cylinder 1

2.3 Location of the Data Link Connector (DLC)

The DLC (Data Link Connector or Diagnostic Link Connector) is typically a 16-pin connector where diagnostic code readers interface with the vehicle's on-board computer. It is usually located 12 inches from the center of the instrument panel, under or around the driver's side for most vehicles. For some vehicles with special designs, the DLC location may vary.

Refer to the following figure for possible DLC location.



A- Opel, Volkswagen, Audi

B- Honda

C- Volkswagen

D- Opel, Volkswagen, Citroen

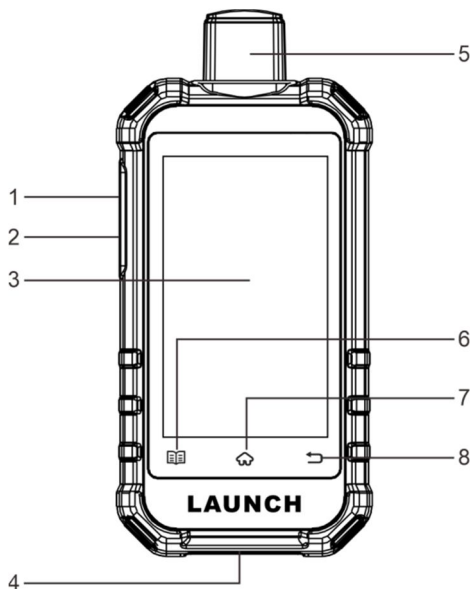
E- Changan

F- Hyundai, Daewoo, Kia, Honda, Toyota, Nissan, Mitsubishi, Renault, Opel, BMW, Mercedes-Benz, Mazda, Volkswagen, Audi, GM, Chrysler, Peugeot, Regal, Beijing Jeep, Citroen and other most popular models

If the DLC cannot be found, refer to the vehicle's service manual for the location.

3. Product Descriptions

3.1 Components & Controls



1. Power button

Turn on/off the tool.

2. Charging port

Charge the tool.

3. Display screen

Indicate test results.

4. DB-15 diagnostic connector

Connect the tool to the vehicle's Data Link Connector (DLC).

5. **TPMS antenna**

6. **Settings button**

Quick access to the **Settings** module.

7. **HOME button**

Navigate to the home (Job Menu) screen.

8. **BACK button**

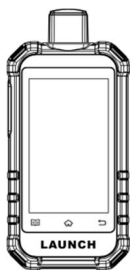
Exit the current program or return to the previous screen.

3.2 Technical Specifications

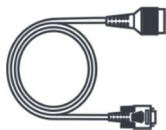
- Screen: 5" IPS screen with a resolution of 1280*720
- Input voltage: 9 ~ 18V via OBD diagnostic port / 5V via USB cable
- CPU: 1.3GHz, 4-core processor
- RAM: 2GB
- Storage: 32GB
- Operating temperature: 32°F~113°F / 0°C~45°C
- Storage temperature: -4°F~158°F / -20°C ~70°C @ RH60%

3.3 Accessory Included

The following accessory items are only for reference. For different destinations, the accessories may vary. For details, please consult from the seller.



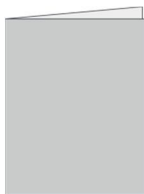
Smart TPMS diagnostic system x 1



Diagnostic Cable x 1



Charging Cable x 1



Quick Start Guide x 1

4. Initial Use

4.1 Charging & Turning On/Off

There are two methods available for charging the tool.

1. Via PC

Connect one end of the charging cable to the charging port of the tool, and other end to a PC or AC outlet with USB ports.

When charging is finished, unplug the charging cable from the tool.

2. Via OBD Diagnostic Port (Not recommended)

If the tool is properly connected to the vehicle's DLC (Data Link Connector) port, it will be charged automatically.

Note: Attempting to charge the tool via OBD diagnostic port will consume vehicle's battery power. You are not recommended to charge the tool in this way except for OBD diagnosis operations.

Press  for about 3 seconds to turn it on/off. Press  for about 8 seconds to perform a forced shutdown.

4.2 Getting Started

If it is the first time you have used this tool, you need to make some system settings.

1. Power on the tool. The screen displays a welcome page. Tap **Start** to go to next step.
2. Choose the desired system language, and tap **Next**.
3. Choose the desired time zone, and tap **Next** to enter the WLAN setup screen.
4. Slide the switch to ON, the system starts searching for all available wireless LANs. Choose the desired WLAN access point / network,
 - If the network you chose is open, you can connect directly.
 - If the selected network is encrypted, you have to enter the right security

key (network password).

*Note: If you choose **Skip** in WLAN setup, it will go into the date setting page. If the tool has been properly connected to the Internet, the system will automatically obtain the correct network date and time and navigate to step 5.

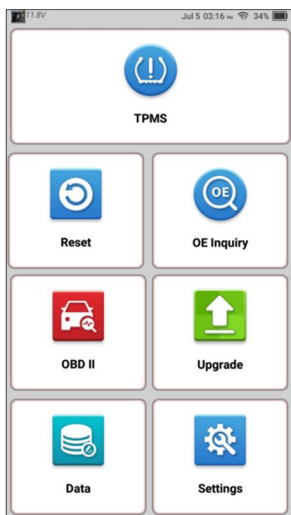
5. After the network connection is done, tap **Next Step** to configure workshop information. Input the required information, and tap **Next Step** to go to next step.

*Note: You are strongly recommended to fill in the valid email address. After you configured this option, the system will append it on the report every time a report is successfully generated.

6. Carefully read all terms and conditions of the user agreement, check the box before the “Agree to all the above terms”, and tap **OK** to finish the sign-up process and navigate to Job Menu.

4.3 Job Menu

It includes the following function modules:



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Modules	Descriptions
TPMS	This function allows you to perform various TPMS operations. Meanwhile, it also can detect sensor data and key frequency.
Reset	Perform commonly used repair & maintenance services.
OE Inquiry	Inquires the original OE part number of the sensor and check which vehicle models the sensor can be applied on.
OBD II	This function presents a quick way to check for DTCs, isolate the cause of the illuminated Malfunction Indicator Lamp (MIL), check monitor status prior to emissions certification testing, verify repairs, and perform a number of other services that are emission-related.
Upgrade	Update the diagnostic software and APK.
Data	Include DTC library, DLC location, Image, Feedback, FAQ and User Manual.
Settings	Make adjustments and settings of the tool to your particular needs.

4.4 Settings

4.4.1 Units of measurement

It is designed to set the measurement unit. Metric System and English System are available.

4.4.2 Firmware Fix

This option enables you to fix and repair the tire pressure firmware and the VCI firmware.

4.4.3 Display/Brightness

This item allows you to set the standby time and screen brightness.

*Note: Reducing the brightness of the screen is helpful to conserve the power of the tool.

4.4.4 Sound

This option lets you adjust the volume and other sound settings.

4.4.5 Network

*Note: Once WLAN is set as ON, the tool will consume more power. While it keeps unused, please set it off to save power. While WLAN keeps unused, please turn it off to conserve battery power.

The tool has built-in WLAN module that can be used to get online. Once you're online, you can register your tool and update diagnostic software & APK.

Slide the switch to ON, the system starts searching for all available wireless LANs. Choose the desired WLAN access point / network to connect.

4.4.6 Time Zone

This option allows you to set the time zone.

4.4.7 Language

The tool supports multiple languages. You can use this option to change the system language to the target language.

4.4.8 Region (TPMS)

This option allows you to set the target region where the TPMS sensors are being applied.

4.4.9 Workshop information

This option allows you to add a personalized tag on the diagnostic reports.

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*Note: After you configured it, the system will append it on the report every time a report is successfully generated.

4.4.10 Recovery

Use this item to reset this tool to the default factory setting.

*Warning: Resetting may cause data loss. Before doing so, please be careful to perform this operation.

4.4.11 Clean Up

This option allows user to clear some cache files and free up some storage space. After clean up, the tool will reboot automatically.

4.4.12 Screen Capture

When set as ON, a floating screenshot icon will appear on the screen. Tap it to capture the current screen and save it as a screenshot. All screenshots are saved under **Data -> Image**.

4.4.13 About

This option displays the hardware configuration information of the tool and license agreement.

5. TPMS Operations

5.1 Detect Sensor

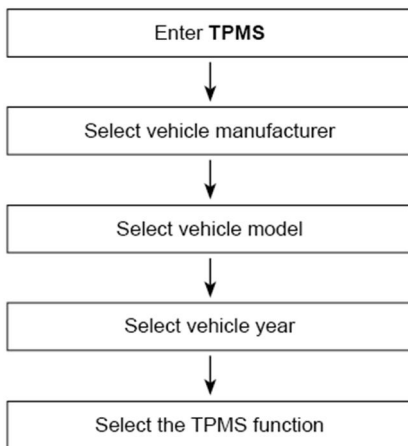
This function allows you to check the sensor information of LAUNCH-specific sensor.

5.2 Detect Key

This function can detect the frequency of wireless vehicle key.

5.3 TPMS Operations

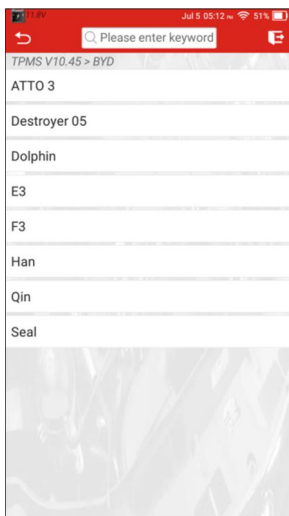
For initial use, please follow the flow chart below to start using it.



*Note: For indirect TPMS vehicle, only the Relearning function is supported. For vehicle using Direct TPMS, it generally includes: Activation, Programming and Relearning. The available TPMS functions may vary for different vehicles being serviced.

1. Tap **TPMS** on the Job Menu screen to enter the vehicle selection screen.

2. Tap **BYD** to enter the vehicle model selection screen.

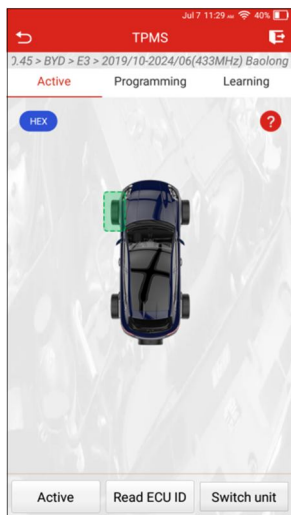


3. Tap **E3** to enter the TPMS function selection screen.

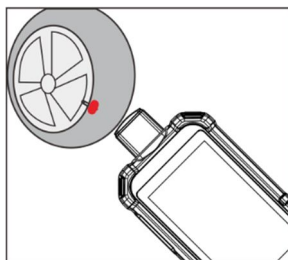
5.3.1 Activate Sensor

This function allows users to activate TPMS sensor to view sensor data such as sensor ID, tire pressure, tire frequency, tire temperature and battery condition.

1. Tap the **Activate** tab to enter the following screen.



2. For universal sensors, place the TPMS antenna of the tool alongside the valve stem, point toward the sensor location, and tap **Activate** on the screen.



*Notes:

1. For early magnet-activated sensors, place the magnet over the stem and then place the tool alongside the valve stem.
2. If the TPMS sensor requires tire deflation (of the order of 10PSI), then deflate

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the tire and place the tool alongside the stem while tapping **Activate** on the screen.

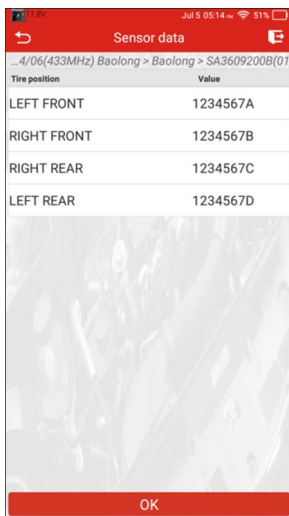
Once the sensor information is successfully retrieved, the tool will sound a series of beep and the screen will display the sensor data.

Notes:

- The tool will do TPMS test in a sequence of FL (Front Left), FR (Front Right), RR (Rear Right), LR (Rear Left) and SPARE, if the vehicle has the option for the spare.
- If the sensor data is abnormal, it will be displayed in red.

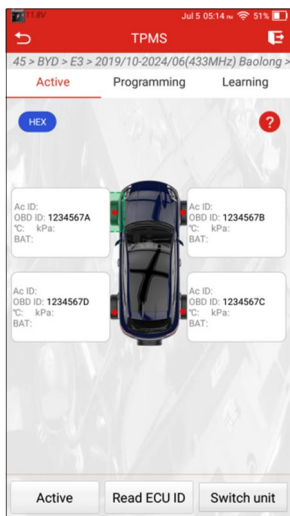
3. Repeat Step 2 for other vehicle sensors.

If the users intend to read the original sensor ID stored in the ECU, connect the tool to the vehicle's DLC via the diagnostic cable and tap **Read ECU ID** to read the information of the four TPMS sensors. After the sensor information is successfully decoded, the following screen will appear:



Tire position	Value
LEFT FRONT	1234567A
RIGHT FRONT	1234567B
RIGHT REAR	1234567C
LEFT REAR	1234567D

Tap **OK**, the following screen will appear.



*Note:

AC ID: indicates the ID of the activated sensor.

OBD ID: indicates the original sensor ID. It can be obtained through connecting to the vehicle's OBD socket. If the OBD ID is different from the Activation ID, the sensor information of the current wheel will be marked in red.

°C: indicates the tire pressure.

kPa: indicates the tire temperature.

The measurement units mentioned above can be converted by tapping **Switch Unit**.

BAT: indicates the battery power level.

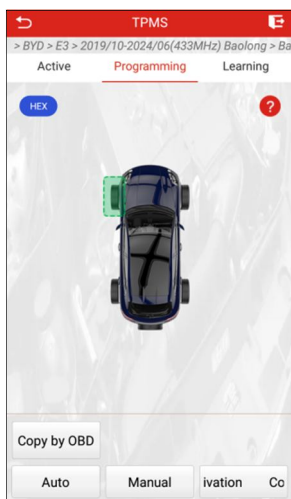
5.3.2 Program Sensor

This function allows users to program the sensor data to the LAUNCH-specific sensor and replace faulty sensor with low battery life or one that is not functioning.

The following options are available for programming LAUNCH-specific

sensor: Auto Create, Manual Create, Copy ID by Activation and Copy ID by OBD.

Tap the **Programming** tab to enter the following screen.



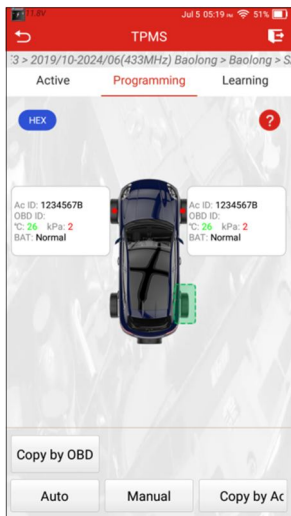
5.2.1 Auto create

This function is designed to program the LAUNCH-specific sensor by applying random IDs created according to the test vehicle when it is unable to obtain the original sensor ID.

Select the wheel which needs to be programmed on the tool, place a LAUNCH-specific sensor close to the TPMS antenna of the tool, and tap **Auto** to create a new random sensor ID.

Tap **Programming** to start detecting the sensor and writing the new created sensor ID to the sensor.

A progress bar will appear on the screen indicating the programming process. Once the sensor is successfully programmed, the following screen will appear.



*Note: If Auto Create is selected, the TPMS Relearn operation needs to be performed after programming all required LAUNCH-specific sensor.

5.2.2 Manual input

This function allows users to manually enter sensor ID. Users can enter the random ID or the original sensor ID, if it is available.

Tap **Manual** to enter. Use the on-screen virtual keypad to input a random or original (if available) sensor ID and tap **OK**.

*Note: Do not enter the same ID for each sensor.

Select the wheel which needs to be programmed on the tool, place a LAUNCH-specific sensor close to the TPMS antenna of the tool. Tap **Programming** to start writing the new sensor ID to the sensor.

Notes:

1. If a random ID is entered, please perform the TPMS Relearn function after programming is finished. If the original ID is entered, there is no need to perform Relearn function.

2. If a vehicle does not support relearn function, please select the Manual Input option to enter the original sensor ID manually, or trigger the original sensor at the activation screen to get its information, before programming the LAUNCH-sensor.

5.2.3 Copy by Activation

This function allows users to write in the retrieved original sensor data to the LAUNCH-specific sensor. It is used after the original sensor is triggered.

Tap **Programming** to enter.

Select the specific wheel position and tap **Copy by Activation** to retrieve the information of the original sensor. After the information is retrieved, it will be displayed on the screen.

Place a LAUNCH-specific sensor close to the TPMS antenna of the tool, and then tap **Programming** to start writing the retrieved sensor information to the LAUNCH-specific sensor.

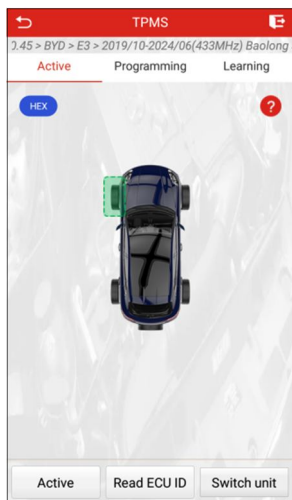
*Note: Once programmed with **Copy by Activation**, the sensor can be installed in the wheel directly to be mounted on the vehicle and the TPMS warning light will turn off.

5.2.4 Copy by OBD

This function allows users to write in the saved sensor information to the LAUNCH-specific sensor after performing **Read ECU ID**. This function requires a connection with the vehicle's DLC port.

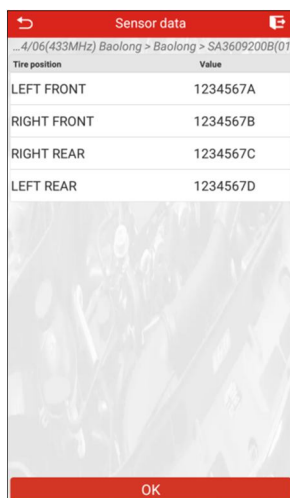
Follow the steps below to proceed:

1. Tap the **Activate** tab to enter the following screen.

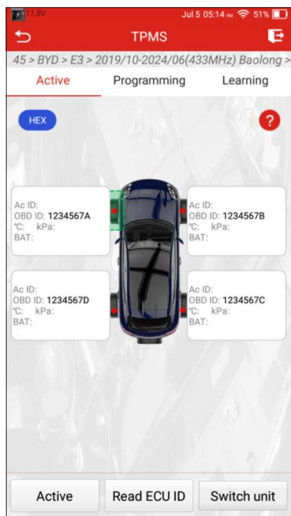


2. Tap **Read ECU ID**. Connect the tool to the vehicle's DLC port and tap **OK** to start reading the sensor IDs and positions for viewing.

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4. Tap **OK** to confirm and then tap the **Programming** tab to enter the following screen.

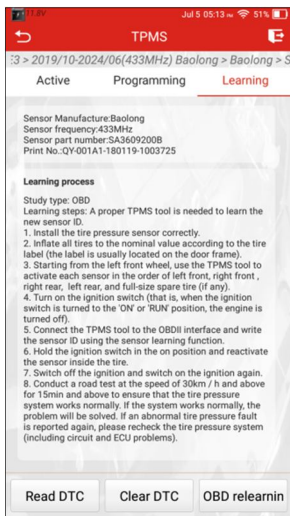


5. Place a new LAUNCH-specific sensor close to the TPMS antenna, select the desired wheel position and tap **Copy by OBD** to enter the following screen.
6. Tap **Programming** to start writing the copied sensor information to the LAUNCH-specific sensor.

5.3.3 Learning Service

This function allows you to check and view the detailed TPMS sensor relearn procedures.

Relearn operation applies only when the newly programmed sensor IDs are different from the original sensor IDs stored in the vehicle's ECU. Relearn is used to write the newly programmed sensor IDs into the vehicle's ECU for sensor recognition.



On-screen Buttons:

Read DTC: Tap to read the TPMS diagnostic trouble codes stored in the vehicle's ECU.

Clear DTC: Tap to clear the existing TPMS diagnostic trouble codes.

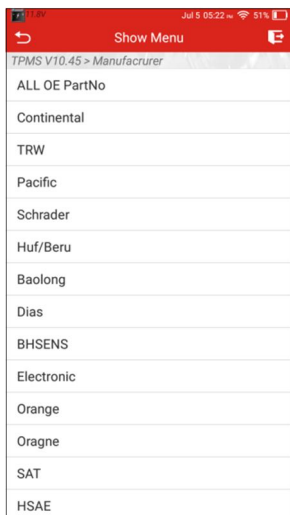
OBD Relearning: Tap to write the newly programmed sensor IDs into the vehicle's ECU via vehicle's DLC socket.

*Note: This function requires the tool to connect with the vehicle's OBD socket.

5.4 OE Inquiry

This function allows you to check the OE number of the sensors.

Tap OE Inquiry on the Job Menu screen to enter the following screen.



Tap the target sensor manufacturer to enter. Check the original manufacturer number on the body of the sensor, and tap the corresponding OE number on the screen to enter the following screen.



Tap **Activate** to trigger and check the sensor data.

Tap **Programming** to write the sensor data into a new blank LAUNCH-specific sensor.

Tap **Technical Support** to check which vehicle models the sensor can be applied on.

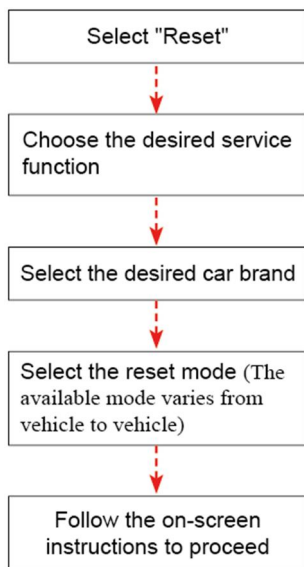
6. Reset

It offers coding, reset, relearn and more service functions, to help vehicles get back to functional status after repair or replacement. Available tests vary by vehicle manufacturer, year, and model.

Due to continuing improvements, available service functions are subject to change without prior written notice. To enjoy more service functions, you are suggested to check for updates on a regular basis.

There are two methods to do resetting operations: Manual Reset or Auto Reset. Auto Reset follows the principle of sending command from the tool to vehicle's ECU to do resetting. While using Manual Reset, users just follow the on- screen instructions to select appropriate execution options, enter correct data or values, and perform necessary actions, the system will guide you through the complete performance for various service operations.

Follow the flowchart shown as below to perform resetting.

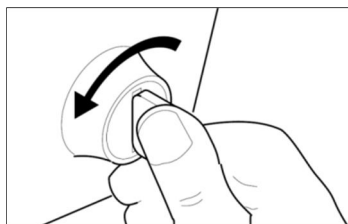


7. OBD II Diagnosis

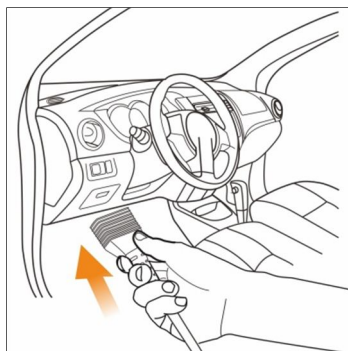
This function presents a quick way to check for DTCs, isolate the cause of the illuminated Malfunction Indicator Lamp (MIL), check monitor status prior to emissions certification testing, verify repairs, and perform a number of other services that are emission-related.

7.1 Connection

1. Turn the ignition off.



2. Locate the vehicle's 16-pin Data Link Connector (DLC). Refer to Chapter 2.3.
3. Plug one end of the diagnostic cable into the vehicle's DLC(Data Link Connector) port, and the other end to the DB-15 diagnostic connector of the tool, and then tighten the captive screws.



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Notes:

- A plastic DLC cover may be found for some vehicles and you need to remove it before plugging the diagnostic cable.
- The cable connector is keyed and will only fit one way. If you have problems connecting the cable connector to the DLC, rotate the connector 180° and try again.

4. Turn the ignition on. Engine can be off or running.

CAUTION: Don't connect or disconnect any test equipment with the ignition on or engine running.

5. The system automatically turns on and navigates to the main menu screen.

7.2 Start OBD Diagnostics

After the tool is properly connected to the vehicle's DLC, tap **OBD II** on the Job menu screen.

Tap **OBD II** on the Job menu screen after the tablet is properly connected to the vehicle's DLC port. The tool will start an automatic check of the vehicle's computer to determine which type of communication protocol it is using, then display the Monitor Status as follows:

Note: A **PROTOCOL** is a set of rules and procedures for regulating data transmission between computers, and between testing equipment and computers. Now five different types of protocols (ISO 9141, Keyword 2000, J1850 PWM, J1850 VPW and CAN) are in use by vehicle manufacturers.

Scan Results	
EOBD V23.03 > Scan Results	
Item	Value
VIN(Vehicle Identification Number)	N/A
MIL Status	OFF
DTCs In This ECU	108
Readiness Completed	5
Readiness Not Completed	2
Readiness Not Supported	4
DataStream Supported	313
Ignition	Spark
Protocol Type	ISO 15765-4 CANBUS
ENTER ALL PROTOCOLS SCAN	

Tap **ENTER**, the following screen will appear:

Show Menu	
EOBD V23.03 > Select DIAG. Function	
Read I/M Readiness (Mode \$01)	
Read Live Data (Mode \$01)	
Read Freeze Frame (Mode \$02)	
Read Fault Code (Mode \$03/\$07/\$0A)	
Clear Fault Code (Mode \$04)	
Test Results: On-Board Monitoring Test (Mode \$06)	
Control Operation Of On-Board Component/ System (Mode \$08)	
Read Vehicle Information (Mode \$09)	
EU OBFCM	

It mainly includes the following functions:

1. I/M Readiness

This function checks whether or not the various emissions-related systems on the vehicle are operating properly, and are ready for Inspection and Maintenance testing.

It can also be used to check the Monitor Run Status, and to confirm if the repair of a car fault has been performed correctly.

2. Read Live Data

This function retrieves and displays live data and parameters from the vehicle's ECU.

3. Read Freeze Frame

This function takes the snapshot of the operating conditions when an emission-related fault occurs.

4. Read Fault Code

This function can identify which section of the emission control system has malfunctioned.

5. Clear Fault Code

This function erases the codes from the vehicle, after retrieving codes from the vehicle and certain repairs have been carried out.

Make sure the vehicle's ignition key is in the ON position with the engine off before the operation.

6. Test Results - On-board monitoring test

This function retrieves test results for emission-related powertrain components and systems that are not continuously monitored. The test's availability is determined by the vehicle manufacturer.

7. Control Operations of On-board Component/System

This option is used to access vehicle-specific subsystem and component tests. Available tests vary by vehicle manufacturer, year, and model.

8. Read Vehicle Information

This function retrieves a list of information (provided by the vehicle manufacturer) from the vehicle's on-board computer.

This information may include:

- **VIN** (Vehicle identification Number).
- **CID** (Calibration ID).
- **CVN** (Calibration Verification Number).

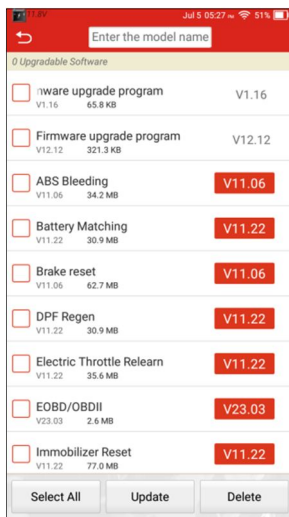
8. Upgrade

If some new software or APK can be updated, a numeric indicator will display on the Upgrade module on the Job menu. In this case, you may use this option to keep it synchronized with the latest version.

Notes:

- To enjoy more functions and better service, you are strongly suggested to update it on regular basis.
- This function requires a stable network connection.

Tap **Upgrade** on the Job menu to enter the update center.



Tap **Select All** to select all diagnostic software.

To deselect certain software, tap **Unselect**, and then check the box next to vehicle model.

Tap **Update** to start downloading. Once download is finished, the software packages will be installed automatically.

9. Data

1. DTC Library

This option enables you to retrieve the detailed description of certain DTC from the local DTC database.

Swipe the screen upwards / downwards to alter the value, then tap **OK**, the screen will display definition of the DTC.

2. DLC (Data Link Connector)

This option helps you to find the location of the vehicle's DLC.

3. Image

This option allows you to view and manage all screenshots.

4. Feedback

This function allows you to send the feedback of your diagnostic problems to us for further analysis and troubleshooting.

There are 3 options:

- 1) Diag. Feedback: To send a tested vehicle diagnostic feedback.
- 2) History Feedback: To view all diagnostic feedback records.
- 3) Offline Feedback: To view all diagnostic feedback logs that have failed to be submitted, which will be uploaded again to the remote server automatically once the tablet gets the stable network.

5. FAQ

The option collects some frequently asked questions and solutions.

6. User Manual

The user manual is integrated on the tool for your easier check and reference.

10. FAQ

Here we list some frequently asked questions and answers relating to this tool.

Question: System halts when reading data stream. What is the reason?

Answer: It may be caused by a slackened connector. Please turn off the tool, firmly connect the connector, and switch it on again.

Question: Screen of main unit flashes at engine ignition start.

Answer: Caused by electromagnetic disturbing, and this is normal phenomenon.

Question: There is no response when communicating with on-board computer.

Answer: Please confirm the proper voltage of power supply and check if the throttle has been closed, the transmission is in the neutral position, and the water is in proper temperature.

Question: Why are there so many fault codes?

Answer: Usually, it's caused by poor connection or fault circuit grounding.

Warranty

THIS WARRANTY IS EXPRESSLY LIMITED TO PERSONS WHO PURCHASE LAUNCH PRODUCTS FOR PURPOSES OF RESALE OR USE IN THE ORDINARY COURSE OF THE BUYER'S BUSINESS.

LAUNCH electronic product is warranted against defects in materials and workmanship for one year (12 months) from date of delivery to the user.

This warranty does not cover any part that has been abused, altered, used for a purpose other than for which it was intended, or used in a manner inconsistent with instructions regarding use. The exclusive remedy for any automotive meter found to be defective is repair or replacement, and LAUNCH shall not be liable for any consequential or incidental damages.

Final determination 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.

Order Information

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

- Quantity
- Part number
- Item description

Customer Service

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

Tel: +86-755-84527891

E-mail: overseas.service@cnlaunch.com