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- 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.
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Safety Precautions and Warnings

To prevent personal injury or damage to vehicles and/or the tool, 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 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 my 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, and free of oil, water, or grease. Use a mild detergent to lightly dampen a clean cloth, and clean the enclosure of the tool 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, and other objects away from all moving or hot engine parts.
- Operate the vehicle in a well-ventilated work area. Exhaust gases are poisonous.
- Chock 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, and electrical fires

within the work area.

- Don't connect or disconnect any test equipment while the ignition is on or the engine is running.

Compliance Information

FCC ID: XUJCRP919LITEV2

IC: 29886-CRP919LITE2

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 Innovation, Science and Economic Development Canada's licence-exempt RSSs and 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.

Cet appareil est conforme aux RSSs exempts de licence d' Innovation, Sciences et Développement économique Canada et à la partie 15 des règles de la FCC. Le fonctionnement est soumis aux deux conditions suivantes:

(1) Cet appareil ne doit pas causer d'interférences nuisibles; et

(2) Cet appareil doit accepter toute interférence reçue, y compris les interférences susceptibles de provoquer un fonctionnement indésirable.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

The device for operation in the band 5150-5250MHz is only for indoor use.

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.

Specific Absorption Rate (SAR) information

This product meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

RF Exposure Information and Statement

The SAR limit is 1.6 W/kg averaged over one gram of tissue. This device has also been tested against this SAR limit. This device was tested for typical body-worn operations 0mm from the body. To maintain compliance with RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body.

Body-worn Operation

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0mm must be maintained between the user’s body, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.

Cet appareil a été testé pour des opérations typiques portées sur le corps, pour satisfaire aux exigences relatives à l’exposition RF, une distance minimale de séparation de 0mm doit être maintenue entre le corps de l’utilisateur, y compris l’antenne. Les clips de ceinture, les étuis et les accessoires similaires de tiers utilisés par cet appareil ne doivent pas

contenir de composants métalliques. Les accessoires portés sur le corps qui ne répondent pas à ces exigences ne peuvent pas être conformes aux exigences relatives à l'exposition RF et doivent être évités. Utilisez uniquement l'antenne fournie ou une antenne approuvée.

This device is in compliance with the essential requirements and other relevant provisions of Radio Equipment Directive 2014/53/EU. The RF frequencies can be used in Europe without restriction.

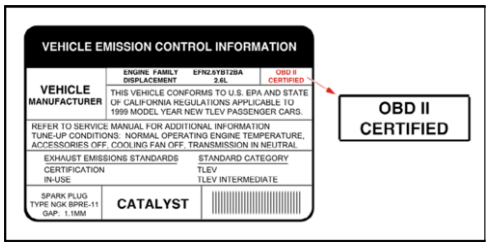
Table of Contents

1 Overview

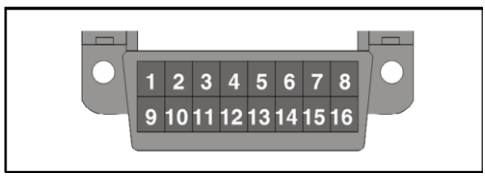
This diagnostic tool is specially designed to work with all OBD II compliant vehicles, including Controller Area Network (CAN).

A small number of 1994 and 1995 model year gasoline vehicles are OBD II compliant. To verify if a 1994 or 1995 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.

1.1 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 offer three pieces of such valuable information:

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

1.2 OBD II Definitions

The following terms and their definitions are related to OBD II systems. Read and reference this list as needed to aid in the understanding of OBD II systems.

EOBD - European On-Board Diagnostics. Essentially the same as OBD II, with the same Data Link Connector and Communication Protocols.

Communication Protocols - Allows different systems and sensors in a vehicle to communicate. There are currently five protocols:

- CAN Bus
- J1850 VPW
- ISO 9141-2
- J1850 PWM
- ISO 14230 KWP

Powertrain Control Module (PCM) - The PCM is the OBD II accepted term for the vehicle’s “on-board computer.” In addition to controlling the engine management and emissions systems, the PCM also participates in controlling the powertrain (transmission) operation. Most PCMs also have the ability to communicate with other computers on the vehicle (ABS, ride control, body, etc.).

DLC - Data Link Connector. The 16-cavity connector on the vehicle that allows communication between the computer system and the diagnostic tool.

MIL - Malfunction Indicator Light. The vehicle’s “Check Engine” warning light that activates when a DTC is stored.

DTC - Diagnostic Trouble Code. A code stored in the computer system's memory, which helps to identify the fault condition that is causing the MIL to activate.

Freeze Frame Data - Operating conditions that are stored when a DTC is stored.

PID - Parameter Identification Data. Data returned by the vehicle's control modules to the diagnostic tool.

Monitors - Monitors are "diagnostic routines" programmed into the PCM. The PCM utilizes these programs to run diagnostic tests, and to monitor operation of the vehicle's emissions-related components or systems to ensure they are operating correctly and within the vehicle's manufacturer specifications.

Enabling Criteria - Also termed Enabling Conditions. They are the vehicle-specific events or conditions that must occur within the engine before the various monitors will set, or run. Some monitors require the vehicle to follow a prescribed "drive cycle" routine as part of the enabling criteria. Drive cycles vary among vehicles and for each monitor in any particular vehicle. Please refer to the vehicle's factory service manual for specific enabling procedures.

Drive Cycle - A specific mode of vehicle operation that provides conditions required to set all the readiness monitors applicable to the vehicle to the "ready" condition. The purpose of completing an OBD II drive cycle is to force the vehicle to run its onboard diagnostics. Some form of a drive cycle needs to be performed after DTCs have been erased from the PCM's memory or after the battery has been disconnected. Running through a vehicle's complete drive cycle will "set" the readiness monitors so that future faults can be detected. Drive cycles vary depending on the vehicle and the monitor that needs to be reset. For vehicle specific drive cycle, consult the service manual.

*Note: Do not confuse a "Trip" Drive Cycle with an OBD II Drive Cycle. A "Trip" Drive Cycle provides the "Enabling Criteria" for one specific Monitor to run and complete its diagnostic testing. An OBD II Drive Cycle must meet the "Enabling Criteria" for all Monitors on a particular vehicle to run and complete their diagnostic testing.

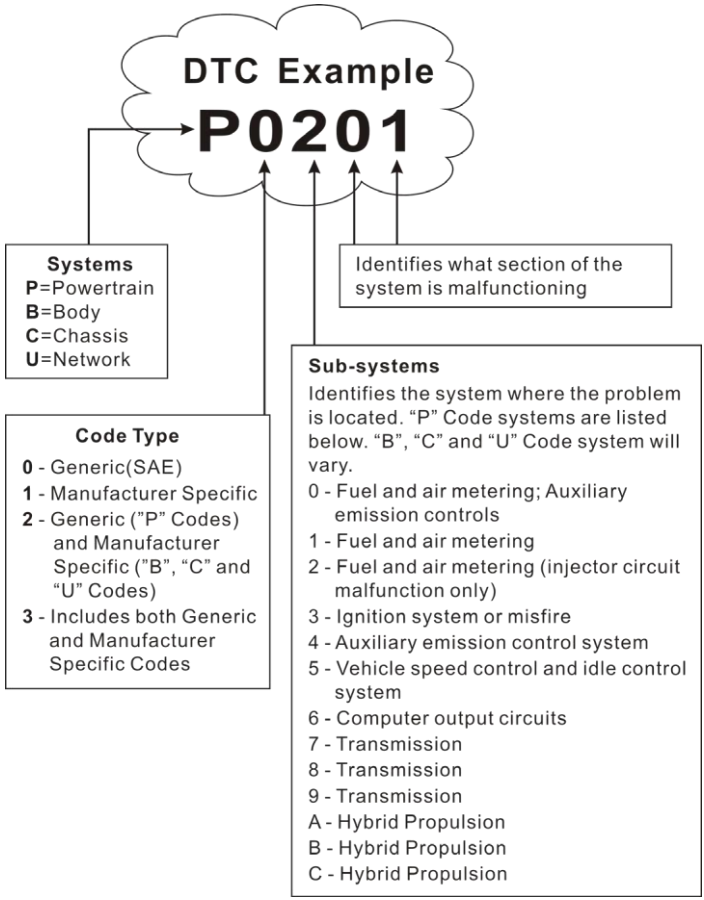
Fuel Trim (FT) - Feedback adjustments to the base fuel schedule. Short-term fuel trim refers to dynamic or instantaneous adjustments. Long-term fuel trim refers to much more gradual adjustments to the fuel calibration schedule than short-term trim adjustments. These long-term adjustments compensate for vehicle differences and gradual changes that occur over time.

1.3 Diagnostic Trouble Codes (DTCs)

A DTC is a five-digit alphanumeric identifier for a fault condition identified by the OBD II system. There are three types of DTCs:

1. **Pending** – when a fault condition is identified during a Drive Cycle, but does not meet enough criteria to activate the MIL.
2. **Stored** - A DTC is stored when a fault condition has occurred that meets enough criteria to activate the MIL.
3. **Permanent** - A stored DTC that can only be cleared by the OBD II system, after repairs are made, and a set number of Driving Cycles have been completed.

The first character, a letter, identifies which control system sets the code. The second character, a number, 0-3; other three characters, a hex character, 0-9 or A-F provide additional information on where the DTC originated and the operating conditions that caused it to set. Here below is an example to illustrate the structure of the digits:



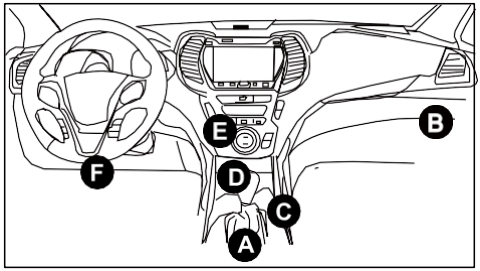
P0201 - Injector circuit malfunction, Cylinder 1

1.4 Location of the Data Link Connector (DLC)

The DLC is typically a16-pin connector where diagnostic code readers interface with the vehicle'son-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 location.



A - Opel, Volkswagen, Audi

B - Honda

C - Volkswagen

D - Opel, Volkswagen, Citroen

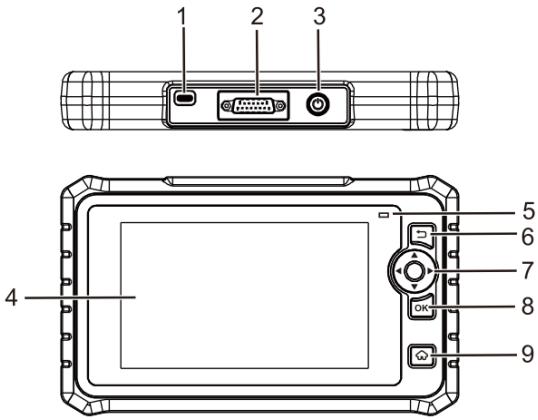
E - Changan

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.

2 Product Descriptions

2.1 Components & Controls



1. Type-C USB Port

Connect the tool to external power for charging.

2. DB-15 Diagnostic Connector

Connect the tool to the vehicle's DLC by using the diagnostic cable.

3. Power Button

Turn on or off the tool.

4. LCD

Indicate test results.

5. LED Charging Indicator

Red means Charging and Green means Fully Charged.

6. Return Button

Return to the previous screen.

7. Selection Buttons

▲/▼

Move cursor up and down for selection.

◀/▶

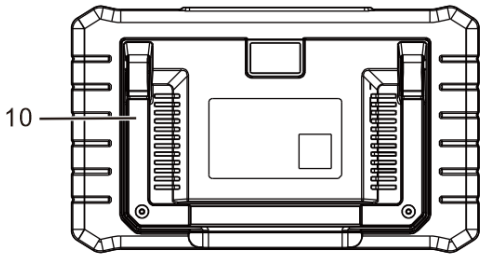
Move cursor left or right for selection; Or turn page up and down when more than one page is displayed.

8. OK Button

Confirm a selection (or an action) from a MENU list.

9. HOME Button

Navigate to the Main Menu.



10. Adjustable Stand

Unfold the stand and adjust the angle to suit your preference.

2.2 Technical Specifications

- Screen: 7” touch screen
- RAM: 2GB
- Storage: 32GB
- OBDII input voltage range: 9~18V
- Net weight < 1200g
- Operating temperature: -10°C to 50°C
- Storage temperature: -20°C to 70°C

- Charging temperature: 0°C to 40°C

*Note: The operating temperature refers to the temperature at which the device works normally in non-charging status.

2.3 Packing List

The following packing list is for reference only. For details, consult your local dealer or check the packing list supplied with the tool.

1. Diagnostic tool x 1
2. OBD II diagnostic cable x 1
3. Charging cable x 1
4. User manual x 1
5. Carrying bag x 1
6. Power adapter

3 Initial Use

3.1 Charging the Tool

There are two charging methods available:

Via Charging Cable & Power Adapter: Use the included charging cable and power adapter to charge the tool.

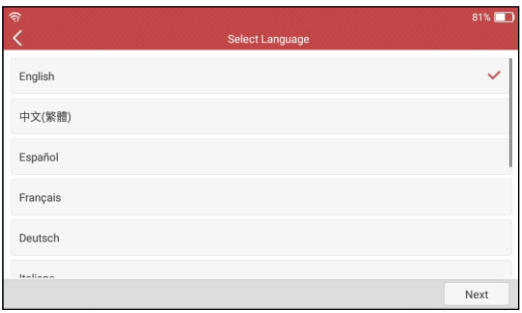
Via Diagnostic Cable: Insert one end of the diagnostic cable into the DB-15 connector of the tool, and the other end to the vehicle's DLC.

Once the LED charging indicator illuminates solid green, it indicates that the battery is fully charged.

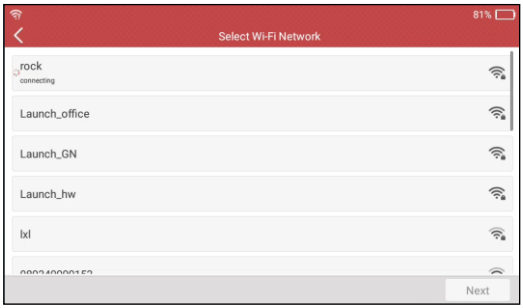
3.2 Getting Started

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

1. Press the power button to power it on.
2. The screen displays a welcome page. Tap **Start** to go to next step.
3. Choose the desired system language, and tap **Next**.

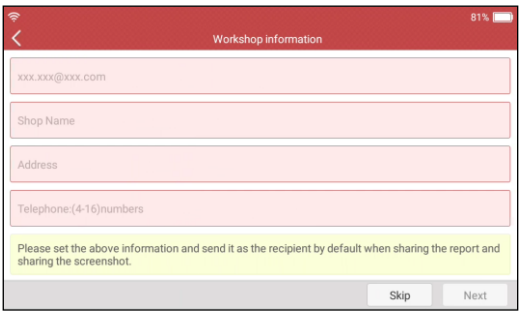


4. Choose the desired time zone, and tap **Next** to enter the WLAN setup screen.
5. Slide the switch to ON, the system starts searching for all available wireless LANs. Choose the desired WLAN access point / network,



- If the selected network is open, the tool will connect to the network directly.
- If the selected network is encrypted, you have to enter the right security password.

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



*Note: Once the workshop information has been configured, it will automatically be added to the report every time you generate a report successfully.

7. 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 Main Menu.

3.3 Main Menu

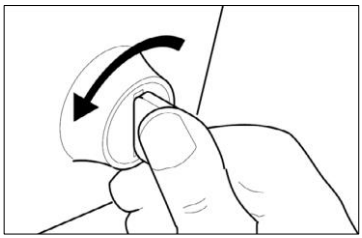
The main menu screen includes the following function modules:

Local Diagnose	Configure the device as a professional diagnostic tool.
Service Function	Offer coding, reset, relearn and more service functions, to help vehicles get back to functional status after repair or replacement.
Other Modules	Provide some add-on modules, which can extend the function of the diagnostic tool.
Software Update	Update vehicle diagnostic software and APK.
Mall	Subscribe to some extra software or service functions that are not included in the diagnostic tool online.
Know Your Customer	Assist repair shops in business analysis, customer management, diagnosis statistics, and service ranking.
My	Check saved reports or order information, make some system settings, etc.
Toolbox	Some practical add-on modules are available, including battery voltage, diagnostic software clear, firmware fix, DTC library, diagnostic record, DLC lookup, feedback, FAQ, image, user manual, etc.
More	Include Online support and LAUNCH Academy.

4 Diagnose

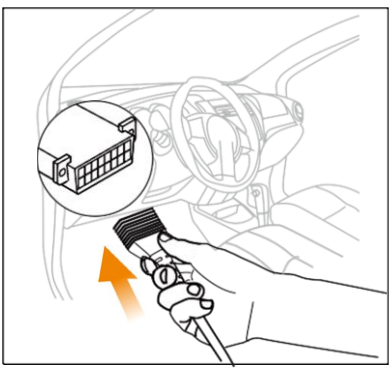
4.1 Connection

1). Turn the ignition off.



2). Locate the vehicle's 16-pin Data Link Connector (DLC). Refer to Chapter 1.5.

3). Plug one end of the diagnostic cable into the vehicle's DLC, and the other end to the DB-15 diagnostic connector of the tool, and then tighten the captive screws.



*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). Press the power button for several seconds to turn it on and enter the Main Menu.

4.2 System Diagnostics

This function is specially designed to diagnose electronic control systems of single vehicle model.

Full vehicle systems with basic diagnostic functions are supported for all pre-installed vehicle diagnostic software.

*Notes:

- To extend the pre-installed vehicle diagnostic software with basic functions to full functions, you can go to **Mall** -> **Full function** to subscribe to it. Refer to Chapter 8 for details.
- If the test vehicle is not covered by pre-installed vehicle software, go to **Mall** to subscribe to the target software. Refer to Chapter 8 for details.

4.2.1 Smart Diagnosis (Auto-Detect)

This function allows you to quickly access the electronic control systems of the vehicle via decoding the VIN, without manual step-by-step menu selection.

After connection, turn the ignition key on and the system enters auto-detect mode.

*Notes:

- Ensure that the **Automatic detection on connect** in **Settings** is set to ON.
- A highly stable and solid network connection is recommended for successful VIN access.

A. Once the system successfully obtains the Vehicle Identification Number (VIN) information of the currently identified vehicle, confirm the VIN information and tap **OK** to start diagnosing all available systems. After the diagnosis is completed, a diagnostic report will be automatically generated.

B. If the tool failed to access the VIN information, the following screen will

appear:

Input the VIN, and tap **OK**, the system will decode the VIN information automatically, and then proceed to the Smart Diagnosis procedure if the VIN is obtained. Otherwise, the system will enter the Manual Diagnosis mode.

*Notes:

- The most recognizable location for this number is in the top left corner on the vehicle's dashboard. Other locations include the driver's door or post, and the firewall under the hood.
- In general, the VIN is a 17-character string of uppercase letters and numbers without intervening spaces or the letters Q, I, and O; these are omitted to avoid confusion with the numerals 0 and 1.

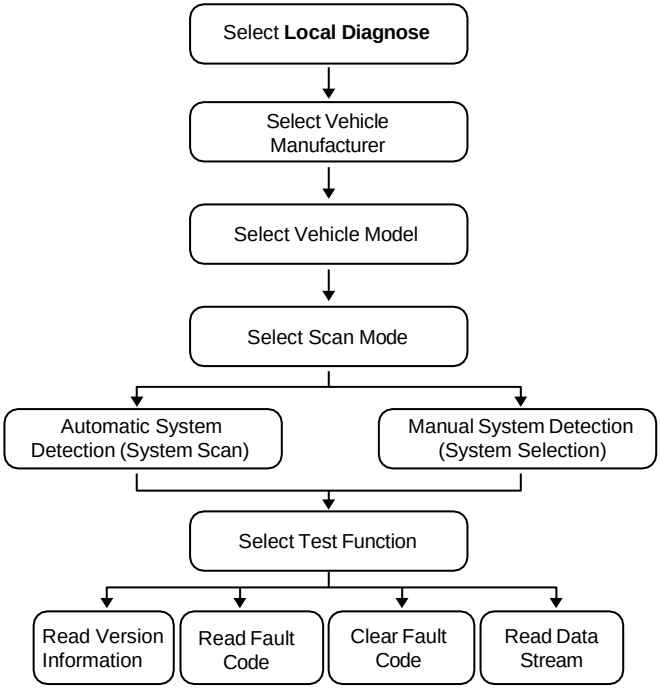
4.2.2 Manual Diagnosis

If the tool cannot obtain or analyze the VIN information, you can also perform vehicle diagnosis manually. In this mode, you need to execute the menu-driven command and then follow the on-screen instructions to proceed.

*Notes:

- Before diagnosis, make sure the corresponding vehicle manufacturer software has been installed in your tool.
- The diagnostic menu may vary by the vehicle's make, model, and year.

Refer to the flowchart illustrated as below to diagnose a vehicle manually:



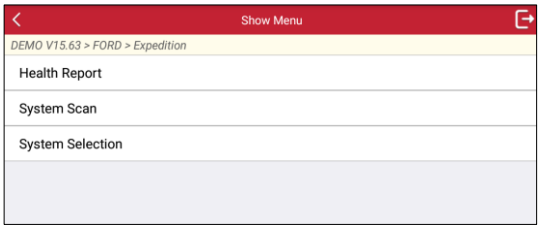
Take Demo as an example to demonstrate how to diagnose a vehicle.

1). Select diagnostic software version: Tap **DEMO** to go to Step 2.

*Note: Illustrations used in this manual are samples, the actual testing screen may vary for each vehicle being tested. The following illustrations are based on the DEMO with basic functions. Vehicle diagnostic software with full systems and full functions can be purchased in Mall.

2). Select vehicle model (varies with different versions): Select the desired vehicle model.

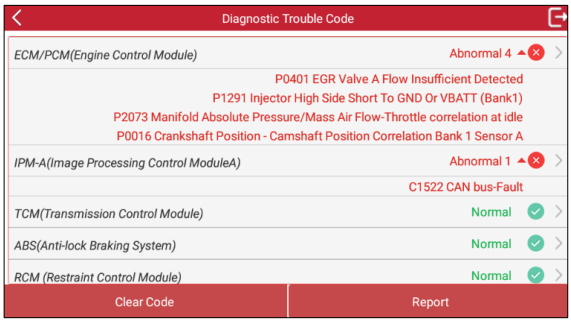
3). Select test item: Select the desired test item to proceed.



4.2.2.1 Health Report (Quick Test)

This function varies from vehicle to vehicle. It enables you to quickly access all the electronic control units of the vehicle and generate a detailed report about vehicle health.

Tap **Health Report**, the system starts scanning the ECUs. Once the scanning is complete, the following screen will appear:



In the above figure, the fault codes for the tested system appear in red and the normally working system displays **Normal** in green.

On-screen Buttons:

>: Tap to select other test functions. For detailed operations, refer to Chapter 4.2.2.3 System Selection.

Report: Tap to save the diagnostic result as a diagnostic report.

Clear Code: Tap to clear the existing diagnostic trouble codes.

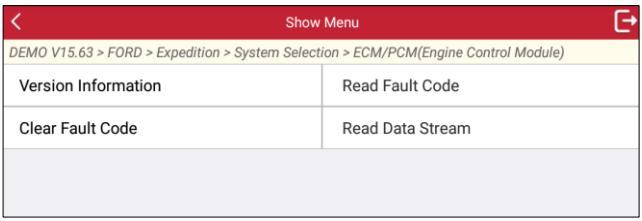
4.2.2.2 System Scan

This option allows you to quickly scan which systems are installed on the vehicle. After the scanning is completed, tap the system to be tested, and the test function screen is displayed. For details of the test functions, refer to Chapter 4.2.2.3 System Selection.

4.2.2.3 System Selection

This option allows you to manually select the test system and function step by step.

Tap **System Selection** on the test item selection screen, and tap the desired system (take **ECM/PCM** for example) to enter the test function screen.



*Note: Different vehicles may have different diagnostic menus.

A. Version Information

This function is used to read the version information of the selected system.

B. Read Fault Code

This function displays the detailed information of DTC records retrieved from the vehicle's control system.

Tap **Read Fault Code** on the test function selection screen, and the screen will display the diagnostic result.

*Note: Retrieving and using DTCs for troubleshooting vehicle operation is only one part of an overall diagnostic strategy. Never replace a part based only on the DTC definition. Each DTC has a set of testing procedures, instructions and flow charts that must be followed to confirm the location of the problem. This information can be found in the vehicle's service manual.

On-screen Buttons:

Help: Tap to view the DTC help information.

Code Search: Tap to search for more information about the current DTC online.

Report: To save the current data in text format. All diagnostic reports can be accessed from **My** -> **My Report**.

C. Clear Fault Code

After reading the retrieved codes from the vehicle and certain repairs have been carried out, you can use this function to erase the codes from the vehicle. Before performing this function, make sure the vehicle's ignition key is in ON position with the engine off.

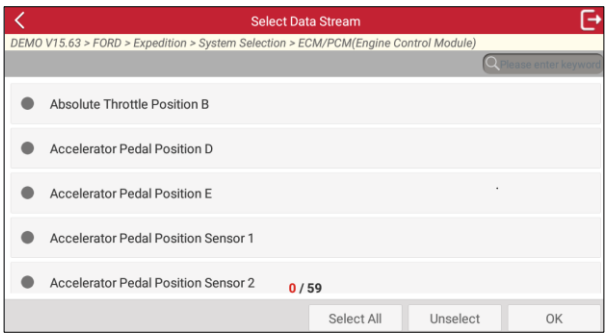
*Notes:

1. If you plan to take the vehicle to a Service Center for repair, DO NOT erase the codes from the vehicle's computer. If data is erased, valuable information that might help the technician troubleshoot the problem will also be erased.
2. Clearing DTCs does not solve the underlying problems that triggered the codes. If appropriate repairs are not made to fix the problems, the codes will reappear, triggering the check engine light as soon as the problems causing the DTCs manifest themselves.

D. Read Data Stream

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

Tap **Read Data Stream** on the test function selection screen, and the system will display data stream items.



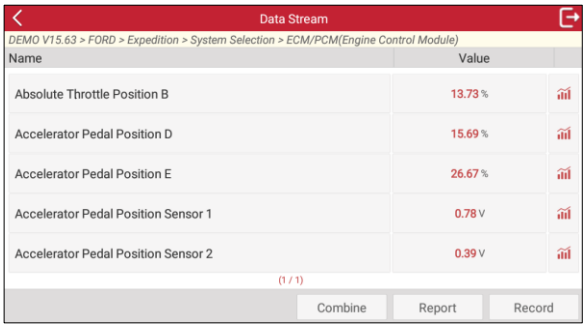
On-screen Buttons:

Select All: Tap to select all items of the current page. To select certain data stream item, just check the box before the item name.

Unselect: Tap to deselect all data stream items.

OK: Tap to confirm the selection and jump to the next step.

After selecting the desired items, tap **OK** to enter the data stream reading screen.



*Notes:

1. If the value of the data stream item is out of the range of the standard (reference) value, the whole line will display in red. If it complies with the reference value, it displays in blue (normal mode).
2. The indicator 1/X shown on the bottom of the screen stands for the current page/ total page number. Swipe the screen from the right/left to advance/return to the next/previous page.

There are 3 types of display modes available for data viewing, allowing you to view various types of parameters in the most suitable way.

- Value – This is the default mode which displays the parameters in texts and shows in list format.
- Graph – Displays the parameters in waveform graphs.
- Combine – This option is mostly used in graph merging for data comparison. In this case, different items are marked in different colors.

On-screen Buttons:

: Tap to view the waveform graph of the current data stream item.

Combine: Tap to merge values in waveforms for easier comparisons.

Report: Tap to save the current data as a diagnostic report. All diagnostic reports can be accessed from **My** -> **My Report**.

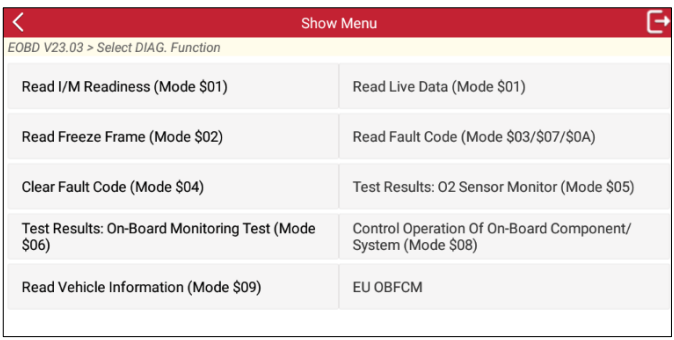
Record: Tap to start recording diagnostic data. Recorded Live Data can serve as valuable information to help you in troubleshooting and diagnosing vehicle problems. All diagnostic records can be accessed from **Toolbox** -> **Diagnostic Record**.

4.3 OBD II Diagnostics

This option 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.

After the tool is properly connected to the vehicle's DLC, tap **OBD II** on the **Local Diagnose** screen. The tool will automatically start a check of the vehicle's computer to determine which type of communication protocol it is using. When the tool identifies the computer's communication protocol, a communication link isestablished and then the screen will display the Monitor Status.

Tap **OK**, the following function list appears.



It mainly includes the following functions:

1. Read 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: O_2 Sensor Monitor

This function retrieves O_2 sensor monitor test results of the most recently completed tests from the vehicle's on-board computer.

7. 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.

8. Control Operation of On-Board Component/System

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

9. 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: This information may include: Vehicle Identification Number (VIN), Calibration ID (CID) and Calibration Verification Number (CVN).

10. EU OBFCM

The On-Board Fuel Consumption Monitoring (OBFCM) data, which collects fuel and energy consumption data of the vehicle to check whether the CO_2 emissions and fuel or energy consumption comply with EU regulations.

4.4 I/M

This function provides a quick access to the I/M Readiness diagnostics.

4.5 History

Generally, once a vehicle diagnosis is performed, the tool will record every detail of the diagnostic session. The **History** function provides direct access tothe previously tested vehicles. You can resume from the last operation rather than starting a new test.

Tap **History** on the **Local Diagnose** screen, and all diagnostic records will be listed on the screen in date sequence.

- Tap certain vehicle model to view the details of the last diagnostic report.
- To delete certain diagnostic history, select it and then tap **Delete**. To delete all historical records, tap **Select All** and then tap **Delete**.
- Tap **Quick access** to directly navigate to the function selection page of last diagnostic operation. Choose the desired option to proceed.

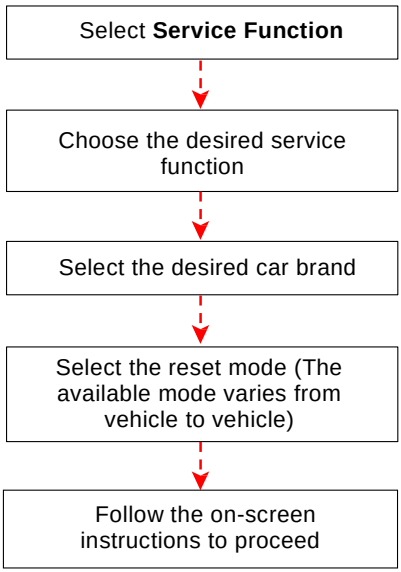
5 Service Function

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, it is suggested to check for updates on a regular basis.

There are two methods to reset service functions: 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.



6 Toolbox

6.1 Battery Voltage

This option can measure the current voltage of the vehicle's battery.

6.2 Diagnostic Software Clear

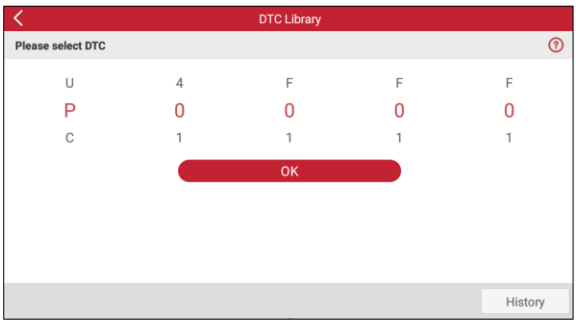
This item allows you to delete the diagnostic software that is not frequently used.

6.3 Firmware Fix

Use this module to upgrade and fix diagnostic firmware. During fixing, do not cut power or switch to other interfaces.

6.4 DTC Library

This option allows you to retrieve the detailed descriptions of certain DTC from the DTC database.



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

6.5 Diagnostic Record

This module stores the running parameters or waveform graphs the user records.

Tap **Diagnostic Record** to enter and select the desired data stream items and tap **OK** to jump to the playback page.

On-screen Buttons:

Graph – Display the parameters in waveform graphs.

Combine – Merge graphs for data comparison. Items are marked in different colors.

Value (default) – Display the parameters as texts in a list format.

Auto Playback – Automatic playback of the selected data stream items.

6.6 DLC

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

6.7 Feedback

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

6.8 FAQ

This module lists some frequently asked questions and answers related to this tool.

6.9 Image

This module allows you to manage or share the screenshots.

6.10 Product Manual

A detailed operation manual is integrated in the tool for quick reference.

7 Software Update

If some software or APK can be updated, a numeric indicator will display on the **Software Update** on the Main Menu. In this case, you may use this option to keep the software synchronized with the latest version.

- Use of the pre-installed diagnostic software is free of charge forever, but the free update period is the first two years. When the free update period is due, you need to renew the subscription to get latest version. All software is updated periodically. It is recommended to update and install the latest software version for the best service, functions and experience. Refer to Chapter 7.2 for details.
- The software subscribed in Mall can be free to use and update for one year. After it expires, you need to go to Mall to subscribe to the target software again.

7.1 Update Diagnostic Software

Tap **Software Update** on the Main Menu to enter the update center.

The **Available** tab displays a list of software that you can update and install to your tool. If you only need to update the frequently used software, tap the **Downloaded** tab.

Select the target software, and tap **Update** to start downloading. It may take several minutes to finish it.

Once the downloading is finished, the software packages will be installed automatically.

7.2 Renew Software Subscription

If the software subscription is due or expires, the system will prompt you to renew your subscription.

Tap **Renewal** and the follow the on-screen prompts to finish the subscription.

8 Mall

This function allows you to subscribe to other vehicle diagnostic software with full functions that are not pre-installed on the tool, and can also extend the pre-installed vehicle diagnostic software with basic functions to full functions.

Tap **Mall** to open the online software mall. Different vehicle software is tagged with different price.

Select the target software and follow the on-screen instructions to finish the transaction.

*Note: The software service belongs to the virtual goods. It becomes immediately effective from the date of the successful transaction and it does not accept the refund. When making payment, please double check the order information.

The subscribed software can be free to use and update for one year. After it expires, you need to go to Mall to subscribe to the target software again.

9 My

9.1 My Report

This option allows you to check and manage your saved reports.

All the diagnostic reports are sorted by Date and Make. If there are too many reports stored, tap search icon to filter and quickly locate it.

9.2 My Order

This option allows you to check the order information.

9.3 Settings

This module allows you to make some system settings to your preference.

9.3.1 Units of measurement

This option can set the measurement unit. Metric system and Imperial system are available.

9.3.2 Screen capture

This option can set the Screen Capture icon to be shown or not on the screen. When set as ON, a screenshot icon will float on upper right corner of the screen. Tap it to capture the screen.

9.3.3 Automatic detection on connect

This option enables you to determine whether to start an automatic VIN detection once the tool is properly connected to the vehicle's DLC.

9.3.4 Display/Brightness

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

9.3.5 Sound

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

9.3.6 Network

The built-in WLAN module allows you to update diagnostic software & APK, and send emails on a wireless network.

9.3.7 Time Zone

This option allows you to set the system time zone.

9.3.8 Language

The tool supports multiple languages. You can use this option to set the preferred language.

9.3.9 Workshop information

This option allows you to configure the workshop information.

*Note: Once the workshop information has been configured, it will automatically be added to the report every time you generate a report successfully.

9.3.10 Expiration Date

This option allows you to check the expiration date of the software configuration and renew the subscription.

9.3.11 Recovery

This option can reset this tool to the default factory setting.

Warning: Resetting may cause data loss. Be careful to perform this operation.

9.3.12 Clean Up

This option allows you to clear some cache files and free up the storage space.

10 Other Modules

It includes some add-on modules, which can extend the functionalities of the diagnostic tool. These modules cannot work properly on the tool, which need to work with the specific compatible hardware (sold separately).

Due to continuing improvements, the available add-on modules are subject to change at any time. To enjoy more functions, it is suggested to check for updates on a regular basis.

10.1 TPMS

This module allows you to configure the tool as TPMS activation & diagnostic tool, which provides the ability to activate TPMS sensor, program TPMS sensor, perform the relearning procedure. It needs to work with the compatible i-TPMS device (sold separately).

For more details, refer to the User Manual included with the module.

10.2 BST

This module allows you to fix battery detection faster and easier. It needs to work with the specific Bluetooth battery tester (sold separately).

For more details, refer to the User Manual included with the module.

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:

1. Quantity
2. Part number
3. Item description

Customer Service

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

Website: https://en.cnlaunch.com

Phone: +86 755 8455 7891

Email: overseas.service@cnlaunch.com

To resolve your problems quickly and efficiently, clearly indicate the **Serial Number** of your product when giving issue feedback.