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WARNING

Study, understand and follow all instructions provided with this product. Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe, accessible place.

Caution: To help prevent personal injury,

- Never use this tool for any application other than for which it was designed.
- Never alter or modify this tool in any way. Improper operation and / or maintenance of the tool, or modification of the tool could result in serious injury or death.
- 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.
- Keep this tool dry, clean, free from oil / water or grease. Use a mild detergent on a clean cloth to clean the outside of the tool, when necessary.

Compliance Information

FCC ID: XUJCRELITEA

IC: 29886-CRELITEA

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 RSS(s) and Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux CNR exemptes de licence d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes:

- (1) Ce dispositif ne peut causer d'interférences; et
- (2) Ce dispositif doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

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.

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.

RF Exposure Information and Statement

The SAR limit of is 1.6 W/kg averaged over one gram of tissue. Device types: 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

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with IC and FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body.

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 un fonctionnement typique du corps sous pression, 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 et la poignée. Y compris les antennes, les bandes de fréquences et les satellites, Des accessoires similaires utilisés par cet appareil ne doivent pas contenir de composants métalliques. Seule la fourniture ou une antenne agréée.

L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF.

L'appareil peut être utilisé sans restriction dans des conditions d'exposition portables.

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.

IC certification applies to the following models:

- Creader Elite A
- Creader Elite BN
- Creader Elite BM
- Creader Elite G
- Creader Elite C
- Creader Elite H
- Creader Elite F
- Creader Elite JL
- Creader Elite N
- Creader Elite T

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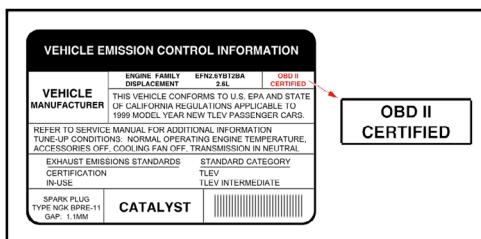
1. Introduction

1.1 Vehicle Coverage

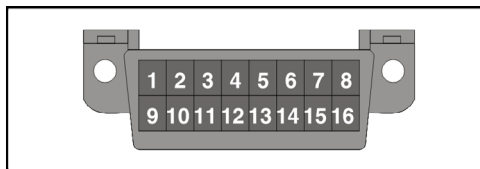
This tool is specially designed to work with all OBD II compliant vehicles, including Controller Area Network (CAN). It is required by EPA that all 1996 and newer vehicles (cars and light trucks) sold in the United States must be OBD II compliant and this includes all American, Asian and European vehicles.

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.

1.2 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.

1.3 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

PCM - Powertrain Control Module. 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.

Trip - A Trip for a particular Monitor requires that the vehicle is being driven in such a way that all the required “Enabling Criteria” for the Monitor to run and complete its diagnostic testing are met. The “Trip Drive Cycle” for a particular Monitor begins when the ignition key is turned “On.” It is successfully completed when all the “Enabling Criteria” for the Monitor to run and complete its diagnostic testing are met by the time the ignition key is turned “Off.” Since each of the fifteen monitors is designed to run diagnostics and testing on a different part of the engine or emissions system, the “Trip Drive Cycle” needed for each individual Monitor to run and complete varies.

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.

Warm-up Cycle - Vehicle operation after an engine off period where engine temperature rises at least 40°F (22°C) from its temperature before starting, and reaches at least 160°F (70°C). The PCM uses warm-up cycles as a counter to automatically erase a specific code and related data from its memory. When no faults related to the original problem are detected within a specified number of warm-up cycles, the code is erased automatically.

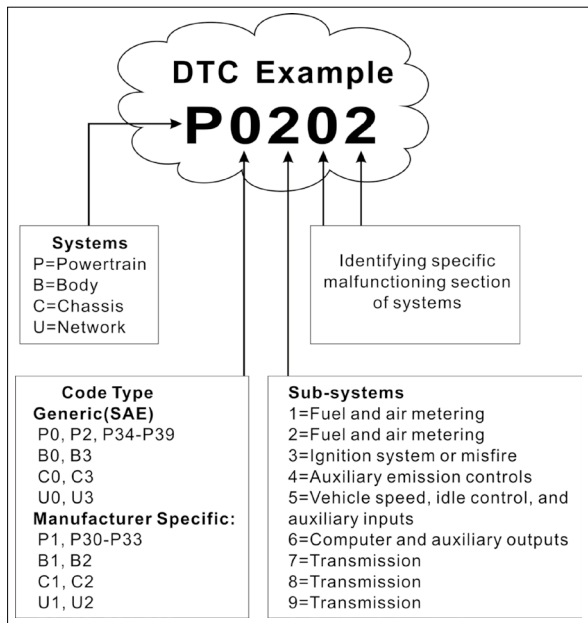
FT - Fuel Trim. Feedback adjustments to the base fuel schedule. Short-term fuel

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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.

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

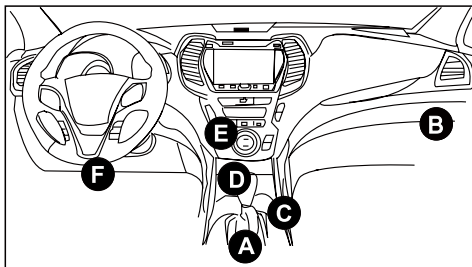


P0201 - Injector circuit malfunction, Cylinder 1

1.5 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.

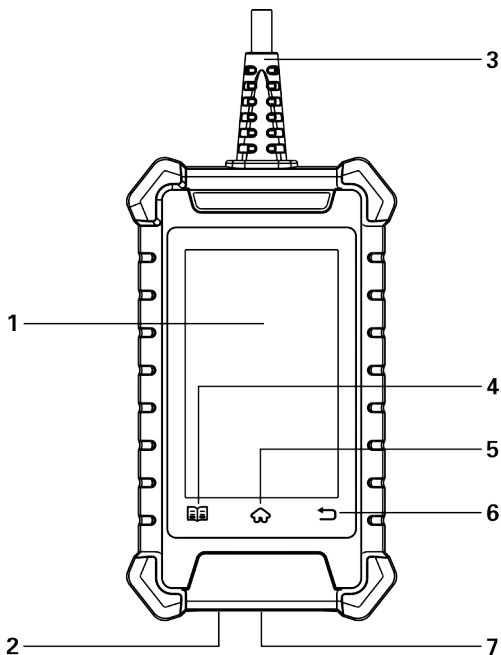
Refer to the following figure for possible location.



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

2. Product Descriptions

2.1 Components & Controls



No.	Name	Descriptions
1	Touch screen	Indicates the test results.
2	Charging port	Connects it to the PC via the data cable to get power.
3	Diagnostic cable	Connects it to the vehicle's DLC port to power up the tool.
4	 Settings button	Quick dial to the Settings module.

5	 HOME button	Navigate to the home (Job menu) screen.
6	 BACK button	Exit the current program or return to the previous screen.
7	Memory card slot	Current disabled and only reserved for future use.

2.2 Technical Specifications

- Screen: 4" touch screen with a resolution of 480*800
- CPU: 4-core 1.3GHz processor
- RAM: 2GB
- ROM: 32GB
- USB: Type C
- OBD II input voltage range: 9~18V
- Power up via:
 - DC 5V data cable or
 - Diagnostic cable through connection to vehicle's DLC
- Working temperature: 0 to 50°C (32 to 122 F°)
- Storage temperature: -20 to 70°C (-4 to 158 F°)

2.3 Accessories Checklist

For detailed accessory items, please consult from the seller.

1. Creader Elite special car scanner
2. User manual
3. Quick Start Guide

3. Initial Use

3.1 Powering Up The Tool

There are two methods available for powering up the tool:

Via Data Cable: Plug one end of the included data cable into the charging port of the tool, and the other end to the PC or AC outlet with USB port.

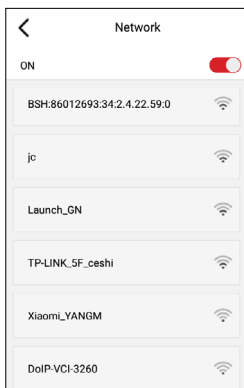
Via Diagnostic Cable: Insert the diagnostic cable into the vehicle's DLC port.

When the tool is powered on, the screen will automatically light up.

3.2 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 “Ignore” 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.

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

- 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.

3.3 Job Menu

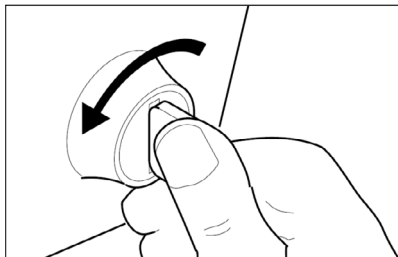
It mainly includes the following function modules.

Diagnose	Configures the tool to operate as a professional diagnostic tool.
OBD II	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.
Upgrade	To update vehicle diagnostic software and APK.  Note: This function requires a stable network connection.
Mall	To subscribe extra vehicle diagnostic software or reset (special function) software that are not included within the tool.
Settings	To manage data and make some system settings, including Network setup, Workshop information and Brightness etc.

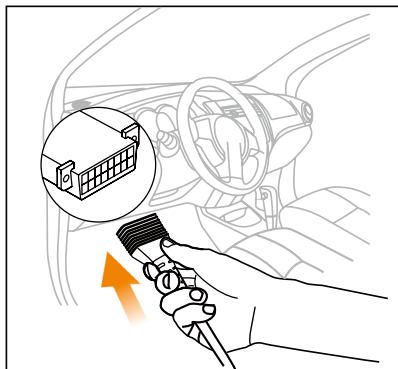
4. Diagnose

4.1 Connection

1. Turn the ignition off.



2. Locate vehicle's DLC port. Refer to Chapter 1.5.
3. Plug the diagnostic cable into the vehicle's DLC port.



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. DO NOT start the engine.

4.2 System Diagnosing

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

Notes:

1. The diagnostic software of the vehicle includes all kinds of reset software, user can perform it (select **Special function** from the diagnostic function list) directly in this module.
 2. All software is updated periodically. It is recommended to update and install the latest software version for the best service, functions and experience.
 - Use and update of the diagnostic software pre-installed on the tool is free of charge forever.
 - Use and update of the diagnostic software purchased on the “Mall” is free of charge for one year. If it expires, user needs to renew the subscription.
 3. More vehicle coverage can be extended on each model. Just go to “Mall” to subscribe it.
-

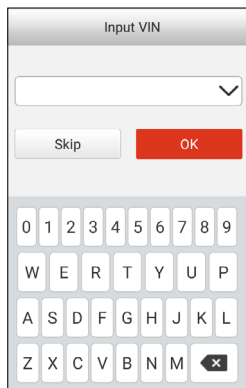
4.2.1 Smart Diagnosis (Auto-Detect)

After connection, turn the ignition key on and the system enters auto-detect mode ( Note: Please make sure the “Automatic detection on connect” in “Settings” is set as ON).

 Note: To detect more and accurate VINs, a stable network connection is highly recommended for this function.

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

- A. Once the system successfully obtains the VIN (Vehicle Identification Number) information of the currently identified vehicle, it will continue scanning the vehicle systems. After the scanning is complete, a diagnostic report will be automatically generated in the **Settings -> Data -> Diagnostic Report**.
- B. If the tool failed to access the VIN information, the following popup will appear on the screen:



Input the VIN, and tap “OK”, the system will automatically identify the vehicle model. If the vehicle VIN is successfully decoded, it will perform auto-diagnosis until a diagnostic report is automatically output. Otherwise it will enter manual diagnosis mode. For details on manual diagnosis, see Chapter 4.2.2.

Notes:

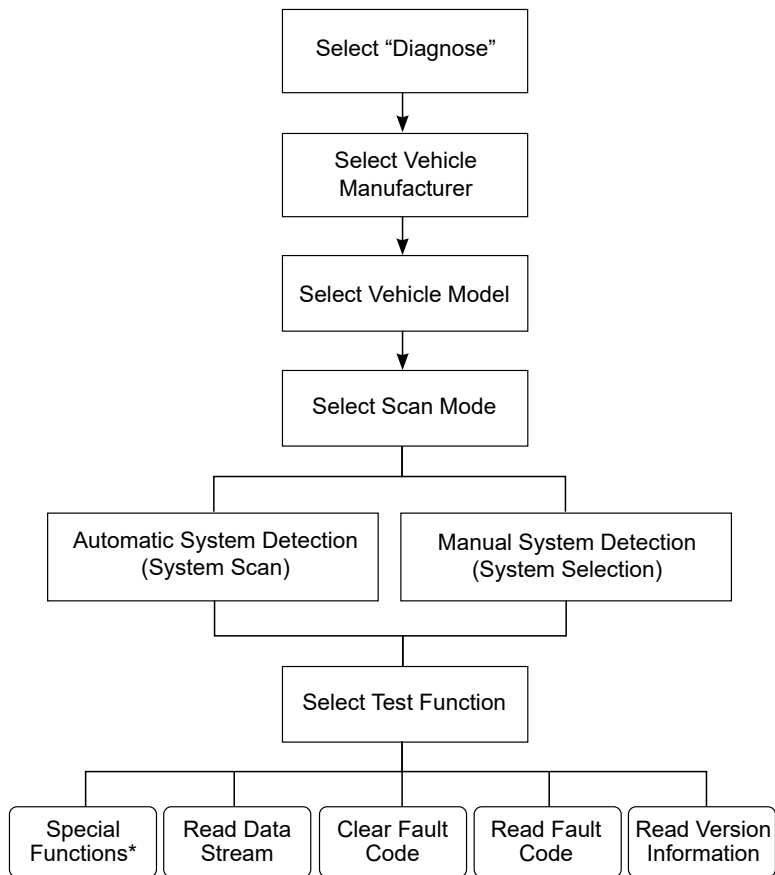
- The most recognizable location for this number is in the top left corner on the vehicle’s dashboard. Other locations include the driver’s door or post, and the firewall under the hood.
- In general, vehicle identification numbers are standardized - all contain 17 characters. VIN characters may be capital letters A through Z and numbers 1 through 0; however, the letters I, O and Q are never used in order to avoid mistakes of misreading. No signs or spaces are allowed in the VIN.

4.2.2 Manual Diagnosis

If the tool can not obtain 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 instruction to proceed.

 Note: For vehicles manufactured by different vendors, it is possible that it has different diagnostic menus. For details, please follow the instructions on the screen to proceed.

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



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

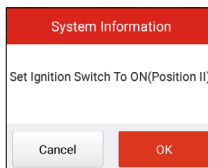


Note: Illustrations used in this manual are samples, the actual testing screen may vary for each vehicle being tested. The following illustrations are based on the DEMO with basic functions. Vehicle diagnostic software with full systems and full functions can be purchased in the Mall.

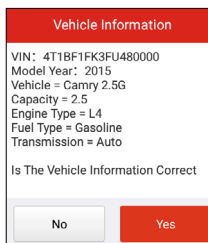
- 1). Select diagnostic software version: Tap "DEMO" to go to Step 2.
- 2). Select vehicle model (varies with different versions): Select the desired

vehicle model.

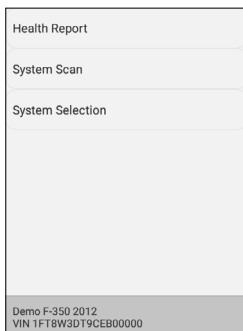
- 3). Turn the ignition key to ON: Set the ignition switch to on.



- 4). Read vehicle information: After reading the vehicle information, double check if the vehicle information is correct or not. If yes, tap "Yes" to continue.



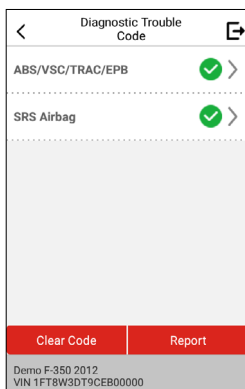
- 5). Select test item: Select the desired test item to proceed.



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” on the test item selection screen, the system starts scanning the ECUs. Once the scanning is complete, the following screen will appear:



The tested system with fault code is tagged with a red cross and the system with OK displays with a green tick.

On-Screen Buttons:

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

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

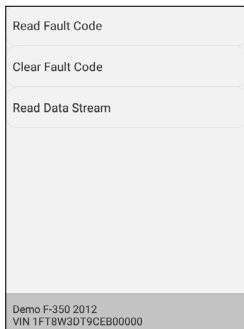
4.2.2.2 System Scan

This option allows you to quickly scan which systems are installed on the vehicle.

4.2.2.3 System Selection

This option allows you 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 “ABS” for example) to enter the test function selection screen.



 Note: Different vehicle has different diagnostic menus.

A. 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, 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 help information.

Code Search: Tap it 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 **Settings -> Data -> Diagnostic Report**.

B. 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, please be sure the vehicle's ignition key is in the ON position with the engine off.

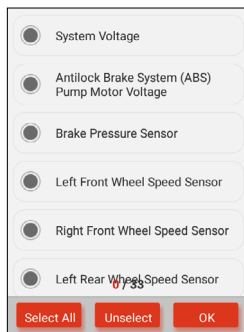
 Notes:

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 fix the problem(s) that caused the code(s) to be set. If proper repairs to correct the problem that caused the code(s) to be set are not made, the code(s) will appear again and the check engine light will illuminate as soon as the problem that cause the DTC to set manifests itself.

C. 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, the system will display data stream items.



On-Screen Buttons:

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

Unselect: Tap it to deselect all data stream items.

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

After selecting the desired items, tap "OK" to enter the data stream reading page.

Name	Value	
Acceleration, Raw Value		
Acc Grv SWORD	0.01 g	
Vehicle Inclination Acceleration Angle, Raw Value		
Acc SWORD	0.001 m/s ²	
Status, Incline Angle		
(1 / 3)		
Combine Report Record		

Notes:

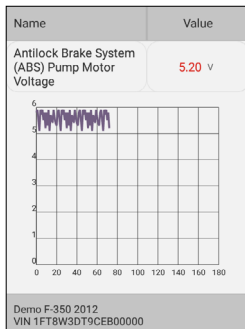
1. If the value of the data stream item is out of the range of the standard (reference) value, the whole line will display in red. If it complies with the reference value, it displays in blue (normal mode).
2. The indicator 1/X shown on the bottom of the screen stands for the current page / total page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

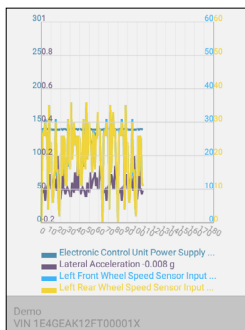
- Value – this is the default mode which displays the parameters in texts and shows in list format.
- Graph – displays the parameters in waveform graphs.
- Combine – this option is mostly used in graph merge status for data comparison. In this case, different items are marked in different colors.

On-Screen Buttons:

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



Combine: Tap it, a pull-down list of the data stream items appears on the screen. Select the necessary items (Max. 4 items can be selected at the same time) and the screen will display the waveforms corresponding to these items immediately.



Report: Tap to save the current data as a diagnostic report. All diagnostic reports can be accessed from **Settings -> Data -> Diagnostic Report**. The tool logs the Date of Report (the date and time at which the report was created) and assigns a unique Report #.

Record: Tap to record and save Live Data. Recorded Live Data can serve as valuable information to help you in troubleshooting and diagnosing vehicle problems. The saved file follows the naming rule: It begins with vehicle type, and then the record starting time and ends with .x431 (To differentiate between files, please configure the accurate system time). All diagnostic records can be viewed by tapping **Settings -> Data -> Diagnostic Record**.

D. Special Functions

LAUNCH

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, model, and year.

4.3 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 before emissions certification testing, verify repairs, and perform other services that are emission-related.

Tap “OBD II” in the Job Menu after the tool 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 interface.

Tap “OK”, the following function list appears.

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: 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 Operation 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) and CVN (Calibration Verification Number).

9. EU OBFCM

This function displays a list of vehicle information provided by the vehicle manufacturer, which is in compliance with CO2 emission performance standards for new passenger cars and for new light commercial vehicles (Regulation EU 2019/613).

This information may include: Vehicle Identification Number, Total Fuel Consumed (Lifetime) and Total Distance Traveled (Lifetime) etc.

4.4 History

Generally once a vehicle diagnosis is performed, the tool will record the every details of diagnostic session. The History function provides direct access to the previously tested vehicles and users can resume from the last operation, without starting from scratch.

Tap "History" on the Diagnose main menu screen, all diagnostic records will be listed on the screen in date sequence.

On-Screen Buttons:

- 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. Upgrade

This function allows you to update the diagnostic app and software. All software is updated periodically. It is recommended to update and install the latest software version for the best service, functions and experience.

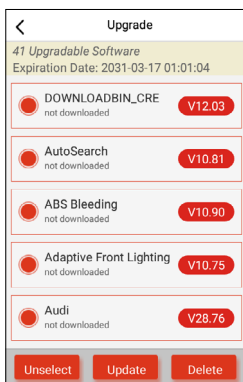
- 1). Use and update of the diagnostic software pre-installed on the tool is free of charge forever.
- 2). Use and update of the diagnostic software purchased in the “Mall” is free of charge for one year. If the free period is due, user needs to renew the subscription. Refer to Chapter 5.2 for details on subscription renewal.



Note: Make sure the Wi-Fi connection is strong and stable while updating.

5.1 Update Diagnostic Software & App

Tap “Upgrade” on the Job menu to enter the update center.



By default, all diagnostic software is selected.

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

Tap “Update” to start downloading. It may take several minutes to finish, please be patient.

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

5.2 Renew Subscription

Use and update of the software configuration purchased in the “Mall” is free of charge for one year. If the free period is due, the software of the current version will be locked. To unlock it, user needs to renew the subscription.

Tap “Upgrade” on the Job menu to enter the update center.

If the free period is due, a prompt message will pop up on the screen. Tap “Renew” to enter the Mall. Select desired diagnostic software configuration, and then follow the on-screen instructions to finish the renewal.

Now the latest diagnostic software is ready for use.

6. Mall

This function allows you to subscribe other vehicle diagnostic software and reset software that are not pre-installed on the tool.

All diagnostic software in the mall covers full systems and full functions (excluding online programming etc). Different vehicle software is tagged with different price.

Tap “Mall” to open the online software mall. 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, it will become disabled. In this case, re-subscribe it in the Mall to unlock it.

7. Settings

7.1 Units of measurement

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

7.2 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.

7.3 Brightness

This item allows you to set the screen brightness.



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

7.4 Sound

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

7.5 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.

7.6 Time Zone

This option allows you to set the time zone.

7.7 Language

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

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system language to the target language.

7.8 Workshop information

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



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

7.9 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.

7.10 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.

7.11 Screen Capture

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

7.12 About

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

7.13 Data

7.13.1 Diagnostic Record

If a user records the running parameters or waveform graphs while reading data stream, it will be saved as diagnostic records and appear under this tab.

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 – displays the parameters in waveform graphs.

Combine – this option is mostly used in graph merge status for data comparison. In this case, different items are marked in different colors.

Value – this is the default mode which displays the parameters in texts and shows in list format.

Frame Playback – plays back the recorded data stream items frame by frame. Once it is in frame playback mode, this button changes into “Auto Playback”.

7.13.2 Diagnostic Report

This module stores all diagnostic reports generated in process of vehicle diagnosis.

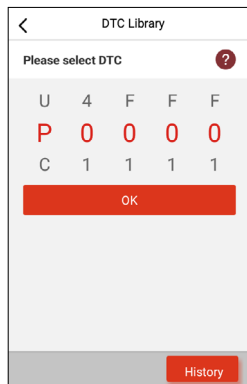
All the diagnostic reports are sorted by Date and Make. If there are too many reports stored, tap  (Search) to filter and quickly locate it.

On-Screen Buttons:

- To select a certain report, just check the box at the right lower corner of the report. To select all reports, tap “Select All”. To deselect all, tap “Unselect”.
- Tap it to view its details.
- Select the desired report and then tap “Delete” to delete it.

7.13.3 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.

7.13.4 DLC (Data Link Connector) Location

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

7.13.5 Image

This option allows you to view and manage all screenshots.

7.13.6 Feedback

This item allows you to feedback your diagnostic problems to us for analysis and troubleshooting.

Tap "Feedback", the following 3 options will be displayed on the screen.

A. Feedback

Tap a tested vehicle model to enter the feedback screen.

- 1) Tap "Choose File" to open the target folder and choose the desired diagnostic logs.
- 2) Choose the failure type and fill in the detailed failure description in the blank text box and telephone or email address. After inputting, tap "Submit Result" to send it to us.

B. History

Tap it to view all diagnostic feedback records. Different process states are marked with different colors.

C. Offline list

Tap it to display all diagnostic feedback logs which have not been submitted successfully due to network failure. Once the tool gets a stable network signal, it will be uploaded to the remote server automatically.

7.13.7 Firmware Fix

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

7.13.8 User Manual

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

8. FAQ

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

① System halts when reading data stream. What is the reason?

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

② Screen of the tool flashes at engine ignition start. What is the reason?

Caused by electromagnetic disturbing, and this is normal phenomenon.

③ There is no response when communicating with on-board computer. What is the reason?

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.

④ What to do if the system fails to start auto VIN detection?

Please check the following possible reasons:

- Whether the tool is properly connected to the vehicle's DLC port.
- Whether the "Automatic detection on Connect" switch is OFF. If yes, slide it to ON.

⑤ Why are there so many fault codes?

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

⑥ How to upgrade the system?

1. Switch the tool on and ensure a stable internet connection.
2. Tap "Settings" on the Job Menu, select "About" -> "Version", and tap "Detect the System Version" to enter the system upgrading page.
3. Follow the on-screen instructions step by step to finish the process. It may take several minutes depending on the internet speed, please be patient. After upgrade is successfully finished, the tool will automatically restart and enters the Job menu.

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 stipulated procedures.

Order Information

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

- Quantity
- Part number
- Item description

Customer Service

If you have any questions during the operation of the unit, please contact the Seller, or contact LAUNCH TECH Service Center.

Website: <https://en.cnlaunch.com>

Phone: +86 755 8455 7891

Email: overseas.service@cnlaunch.com