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

- 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 the Creader VII+ / Creader VIII dry, clean, free from oil/water or grease. Use a mild detergent on a clean cloth to clean the outside of the Creader VII+ / Creader VIII, when necessary.

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1. Introduction

The Creader VII+ / Creader VIII are specially developed by LAUNCH, which supports all 10 modes of OBD II test for a complete diagnosis. Featuring the 3.5" TFT color display, it enables users to read/clear DTCs, record, save and playback data in live graphic display. The Creader VII+ / Creader VIII are also very easy to use. With built-in help menus and code definitions, diagnosing and repairing that dreaded Check Engine Light is now easier than ever!

Moreover, Creader VII+ / Creader VIII also feature the following bi-directional "special tests": EVAP, O2 Sensor, I/M Readiness, MIL Status, VIN Info, and On-board monitors testing.

It can be connected to PC through the USB cable for upgrade to keep updated with the latest software version.

Notice: Creader VII+ / Creader VIII may automatically reset while being disturbed by strong static electricity. THIS IS A NORMAL REACTION.

2. General Information

2.1 On-Board Diagnostics (OBD) II

The first generation of On-Board Diagnostics (called OBD I) was developed by the California Air Resources Board (ARB) and implemented in 1988 to monitor some of the emission control components on vehicles. As technology evolved and the desire to improve the On-Board Diagnostic system increased, a new generation of On-Board Diagnostic system was developed. This second generation of On-Board Diagnostic regulations is called "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. When a problem is detected, the OBD II system turns on a warning lamp (MIL) on the vehicle instrument panel to alert the driver typically by the phrase of "Check Engine" or "Service Engine Soon". The system will also store important information about the detected malfunction so that a technician can accurately find and fix the problem. Here below follow three pieces of such valuable information:

- 1) Whether the Malfunction Indicator Light (MIL) is commanded 'on' or 'off';
- 2) Which, if any, Diagnostic Trouble Codes (DTCs) are stored;
- 3) 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. 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:

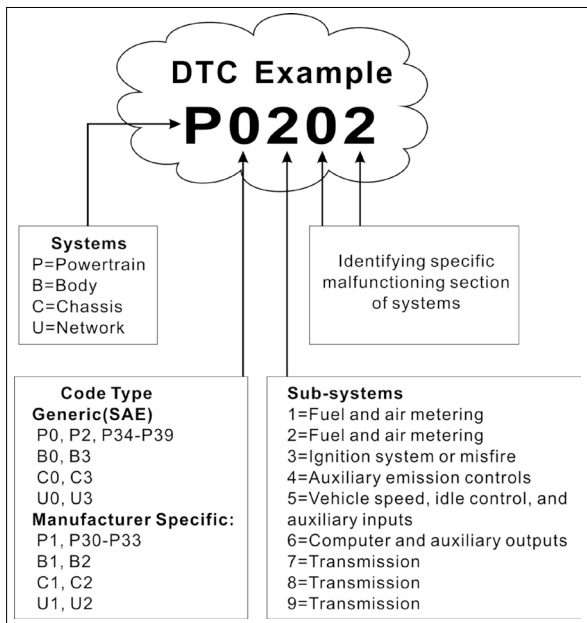


Figure 2-1

2.3 Location of the Data Link Connector (DLC)

The DLC (Data Link Connector or Diagnostic Link Connector) is the standardized 16-cavity connector where diagnostic code readers interface with the vehicle's

on-board computer. The DLC is usually located 12 inches from the center of the instrument panel (dash), under or around the driver's side for most vehicles. If Data Link Connector is not located under dashboard, a label should be there telling location. For some Asian and European vehicles, the DLC is located behind the ashtray and the ashtray must be removed to access the connector. If the DLC cannot be found, refer to the vehicle's service manual for the location.

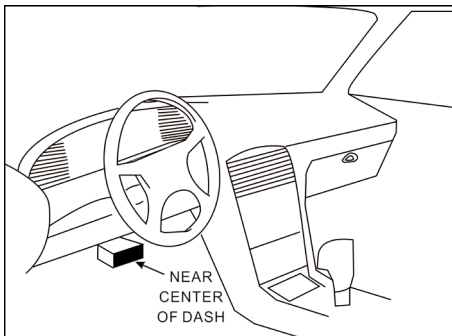


Figure 2-2

2.4 OBD II Readiness Monitors

An important part of a vehicle's OBD II system is the Readiness Monitors, which are indicators used to find out if all of the emissions components have been evaluated by the OBD II system. They are running periodic tests on specific systems and components to ensure that they are performing within allowable limits.

Currently, there are eleven OBD II Readiness Monitors (or I/M Monitors) defined by the U.S. Environmental Protection Agency (EPA). Not all monitors are supported in every vehicle and the exact number of monitors in any vehicle depends on the motor vehicle manufacturer's emissions control strategy.

Continuous Monitors -- Some of the vehicle components or systems are continuously tested by the vehicle's OBD II system, while others are tested only under specific vehicle operating conditions. The continuously monitored components listed below are always ready:

1. Misfire
2. Fuel System
3. Comprehensive Components (CCM)

Once the vehicle is running, the OBD II system is continuously checking the above components, monitoring key engine sensors, watching for engine misfire,

and monitoring fuel demands.

Non-Continuous Monitors -- Unlike the continuous monitors, many emissions and engine system components require the vehicle to be operated under specific conditions before the monitor is ready. These monitors are termed non-continuous monitors and are listed below:

- 1) EGR System
- 2) O2 Sensors
- 3) Catalyst
- 4) Evaporative System
- 5) O2 Sensor Heater
- 6) Secondary air Injection
- 7) Heated Catalyst
- 8) A/C system

2.5 OBD II Monitor Readiness Status

OBD II systems must indicate whether or not the vehicle's PCM's monitor system has completed testing on each component. Components that have been tested will be reported as "Ready", or "Complete", meaning they have been tested by the OBD II system. The purpose of recording readiness status is to allow inspectors to determine if the vehicle's OBD II system has tested all the components and/or systems.

The powertrain control module (PCM) sets a monitor to "Ready" or "Complete" after an appropriate drive cycle has been performed. The drive cycle that enables a monitor and sets readiness codes to "Ready" varies for each individual monitor. Once a monitor is set as "Ready" or "Complete", it will remain in this state. A number of factors, including erasing of diagnostic trouble codes (DTCs) with a code reader or a disconnected battery, can result in Readiness Monitors being set to "Not Ready". Since the three continuous monitors are constantly evaluating, they will be reported as "Ready" all of the time. If testing of a particular supported non-continuous monitor has not been completed, the monitor status will be reported as "Not Complete" or "Not Ready."

In order for the OBD monitor system to become ready, the vehicle should be driven under a variety of normal operating conditions. These operating conditions may include a mix of highway driving and stop and go, city type driving, and at least one overnight-off period. For specific information on getting your vehicle's OBD monitor system ready, please consult your vehicle owner's manual.

2.6 OBD II Definitions

Powertrain Control Module (PCM) -- OBD II terminology for the on-board

computer that controls engine and drive train.

Malfunction Indicator Light (MIL) -- Malfunction Indicator Light (Service Engine Soon, Check Engine) is a term used for the light on the instrument panel. It is to alert the driver and/or the repair technician that there is a problem with one or more of vehicle's systems and may cause emissions to exceed federal standards. If the MIL illuminates with a steady light, it indicates that a problem has been detected and the vehicle should be serviced as soon as possible. Under certain conditions, the dashboard light will blink or flash. This indicates a severe problem and flashing is intended to discourage vehicle operation. The vehicle onboard diagnostic system cannot turn the MIL off until the necessary repairs are completed or the condition no longer exists.

DTC -- Diagnostic Trouble Codes (DTC) that identifies which section of the emission control system has malfunctioned.

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.

OBD II 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.

Freeze Frame Data -- When an emissions related fault occurs, the OBD II system not only sets a code but also records a snapshot of the vehicle operating parameters to help in identifying the problem. This set of values is referred to as Freeze Frame Data and may include important engine parameters such as engine RPM, vehicle speed, air flow, engine load, fuel pressure, fuel trim value, engine coolant temperature, ignition timing advance, or closed loop status.

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.






3. Product Descriptions

3.1 Outline of Creader VII+ / Creader VIII



Figure 3-1 Creader VII+

Creader VII+ and Creader VIII feature same appearance. Here we only take Creader VII+ for example.

No.	Name	Descriptions
1	Power indicator	It will light up while Creader VII+ is energized.
2	Communication indicator	It will flash when Creader VII+ is communicating with ECU.
3	LCD	Indicates test results.
4		Move cursor up or down for selection.
		Move cursor left or right for selection; Or turn page up or down when more than one page is displayed.
		Confirms a selection (or action) from a menu list.
		Exit the current program or return to the previous screen; Or confirm to display the selected datastream in Data Stream.
5	USB port	 To retrieve the DTCs in the database.
		To connect on PC to upload data or upgrade your device.

6	TF card slot	Insert the TF card into it to read or write the data/file stored in TF card.
7	OBD-16 connector	To connect on vehicle's DLC(Data Link Connector) via diagnostic cable.

3.2 Specifications

- Screen: 3.5" TFT LCD display
- Working voltage: 9~15V
- Working current: <600mA
- Working temperature: -0 to 50°C (32 to 122 F°)
- Storage temperature: -20 to 70°C (-4 to 158 F°)
- Working humidity: 10%~90%
- Storage humidity: <80%

3.3 Accessories Included

1. Creader VII+ / Creader VIII
2. Main test cable
3. User's Manual
4. TF card
5. TF card reader
6. USB cable

4. Connection

4.1 Install TF card

- 1) Take out the TF card from package box.
- 2) Insert the TF card into the Creader VII+ / Creader VIII TF card slot perpendicularly. Make sure is fully inserted in the right place with the "micro" label facing upward.

Note: You can hear a clicking sound if you insert the TF card in the right place. Press the card slightly, it will be ejected automatically.

4.2 Connect Creader VII+ / Creader VIII

1. Turn the ignition off.
2. Locate vehicle's DLC socket: it provides standard 16 pins and is generally located on driver's side, about 12 inch away from the center of dashboard. See Figure 2-2. If DLC is not equipped under dashboard, an label indicating its position will be given. In case no DLC is found, please refer to Automobile Repair Manual.
3. Plug one end the diagnostic cable into the OBD II 16 pin connector of Creader VII+ / Creader VIII, and connect the other end to the vehicle's DLC.

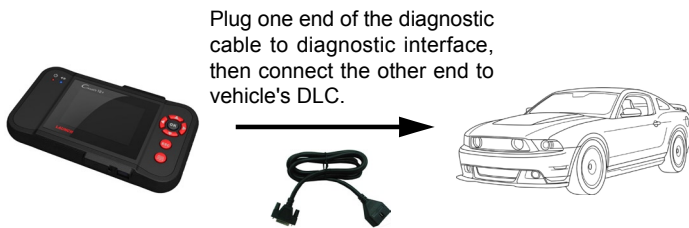


Figure 4-1

4. Turn the ignition on. Engine can be off or running.
5. After finishing, the system will start initializing. After initialization, the system will enter the main menu interface. See 4-2.

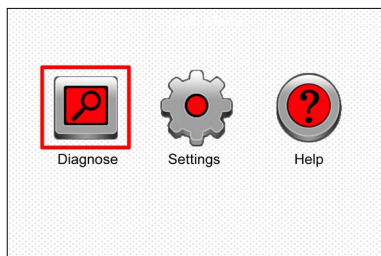


Figure 4-2

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

5. Diagnose

Select [Diagnose] in Main Menu and press [OK], the screen will display Monitor Status interface as following figure 5-1:

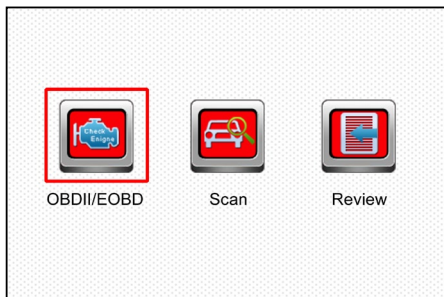


Figure 5-1

5.1 OBDII/EOBD Diagnosing

In Figure 5-1, press [OK] to enter system, the screen will display as following figure 5-2:

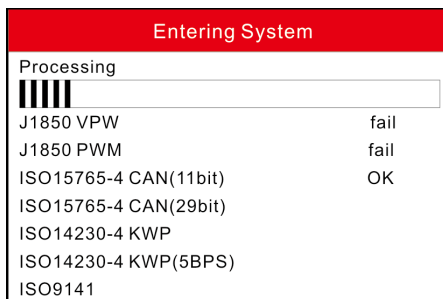


Figure 5-2

After entering, the screen will automatically enter the screen as shown in figure 5-3:

Monitor Status	
MIL Status	OFF
DTCs in this ECU	108
Readiness Completed	5
Readiness Not Completed	2
Readiness Not Supported	3
Datastream Supported	119
Ignition	Spark
OK - Confirm	

Figure 5-3

Press [OK], a screen similar to Figure 5-4 will appear:

Diagnostic Menu
Read Codes
Erase Codes
I/M Readiness
Data Stream
Freeze Frame
O2 Sensor Test
On-Board Monitoring
1/9

Figure 5-4

If it fails to enter the system, a prompt message box will appear:

Hints
Error in communication with vehicle ECU. Please check: 1. If tool's OBDII connector is connected to the vehicle's DLC. 2. If the ignition is ON. 3. Verify that the vehicle is OBDII compliant.
OK - OK

Figure 5-5

Follow the on-screen instructions to check the possible cause and retry it.

5.1.1 Read Codes

Select [Read Codes] and press [OK]. A dialog box similar to Figure 5-6 will pop up:

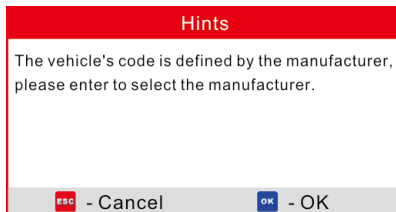


Figure 5-6

Press [OK] to enter to select the manufacturer. Figure 5-7 will be shown on the screen. Press [▼]/[▲] to select different items; press [▶]/[◀] to turn to next or previous page. After selecting the desired one, and then press [OK] to confirm.



Figure 5-7

If some DTCs are found, the system will enter a screen similar to figure 5-8 will appear:

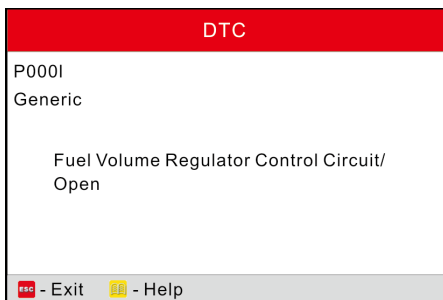


Figure 5-8

1/14 indicates there are 14 codes total and now P0001 is the first code to display. The screen will also show the detailed description of the current DTC.

You can use [▶] key to view the next code.

If the DTC can not be found, a screen similar to figure 5-9 will appear:

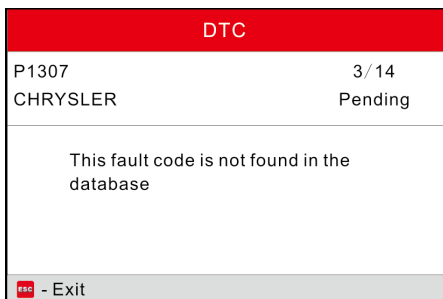


Figure 5-9

After viewing all the codes, press [ESC], a message box will appear on the box:

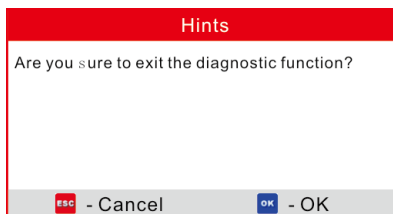


Figure 5-10

Press [ESC] to cancel; press [OK] to exit diagnostic function.

5.1.2 Erase Codes

Select [Erase Codes], the screen will display the interface as shown below:

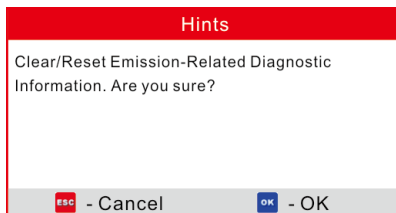


Figure 5-11

Press [ESC] to cancel; press [OK] to erase DTC's, and the screen will display the interface as shown in Figure 5-12:

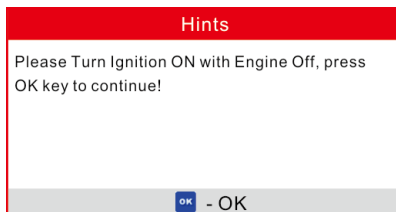


Figure 5-12

According to the above figure, press [OK] to clear the DTC. If successful, figure 5-13 will appear on the screen.

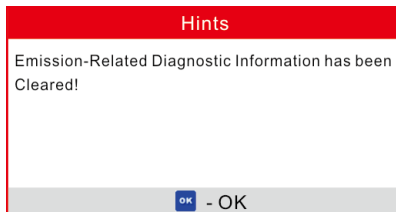


Figure 5-13

Notes:

- Before performing this function, make sure to retrieve and record the trouble

codes.

- After clearing, you should retrieve trouble codes once more or turn ignition on and retrieve codes again. If there are still some trouble codes in the system, please troubleshoot the code using a factory diagnosis guide, then clear the code and recheck.

5.1.3 I/M Readiness

I/M refers to Inspection and Maintenance that is legislated by the Government to meet federal clean-air standards. I/M Readiness indicates whether or not the various emissions-related systems on the vehicle are operating properly and are ready for Inspection and Maintenance testing.

The purpose of the I/M Readiness Monitor Status is to indicate which of the vehicle's Monitors have run and completed their diagnosis and testing (as described in Chapter 2.5), and which ones have not yet run and completed testing and diagnosis of their designated sections of the vehicle's emissions system.

The I/M Readiness Monitor Status function also can be used (after repair of a fault has been performed) to confirm that the repair has been performed correctly, and/or to check for Monitor Run Status.

Select [I/M Readiness] and press [OK], the screen will display the interface as shown below:

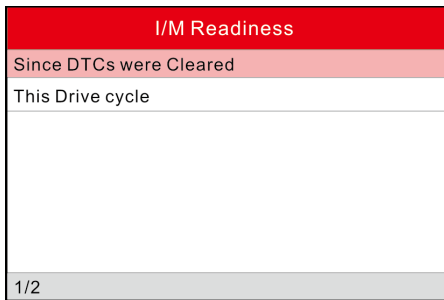


Figure 5-14

Press [▼]/[▲] to select and press [OK], the screen will display the interface as shown below:

I/M Readiness	
Misfire Monitor	N/A
Fuel system monitor	OK
Comprehensive component monitor	INC
Catalyst monitor	N/A
1~4/10	

Figure 5-15

Press []/[] button to view other data of vehicle.

Press [] to return to Diagnostic Menu.

N/A means not available on this vehicle; INC means incomplete or not ready and OK means Completed or Monitor Ok.

5.1.4 Data Stream

Press []/[] button to select Data Stream in Main Menu interface and then press [] button to confirm, the screen will display the interface as shown in figure 5-16:

Datastream
View All Items
Select Itmes
View Graphic Items
1/3

Figure 5-16

Select [View All Items] and press [] button, the screen will display the interface as shown below:

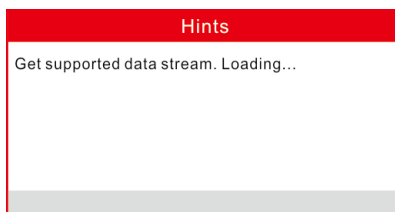





Figure 5-17


A screen similar to figure 5-18 will appear.

Datastream	
Fuel system 1 status	---
Fuel system 2 status	---
Calculated LOAD Value	52.9%
Engine Coolant Temperature	54°C
1~4/87	

Figure 5-18

Press / button to view other data streams.

Press  to return to Diagnostic Menu.

Select [Select Items] in Datastream menu and press , the screen will display the interface as shown below:











Select Datastream	
[]	All Datastream of Page
[]	Fuel system 1 status
[]	Fuel system 2 status
[]	Calculated LOAD Value
 - Select  - Exit	




Figure 5-19


Press [][] button to select datastream items, and press [][] button to turn page.

After selecting items, press [], the screen will display the selected datastream items.

To select all datastream of the current page, highlight the first line and then press [], ✓ will appear before all items. To deselect all, just press [] again.

If [View Graphic Items] is selected in Datastream menu and press [] to enter the graphic items selection screen.


Press [][] button to select single data stream items, and press [] button, the screen will display the selected items of live graphic data.

Press [] to return to Diagnostic Menu.

5.1.5 View Freeze Frame

When an emission-related fault occurs, certain vehicle conditions are recorded by the on-board computer. This information is referred to as freeze frame data. Freeze Data is a snapshot of the operating conditions at the time of an emission-related fault.


Note: if DTCs were erased, Freeze Data may not be stored in vehicle memory depending on vehicle.

Select [Freeze Frame] in Diagnostic menu and press [], the screen will display the interface as shown below:

Freeze Frame	
DTC that caused required freeze frame data storage	C2E3D
Short Term Fuel Trim - Bank 1	35.2%
Long Term Fuel Trim - Bank 1	-68.8%
Short Term Fuel Trim - Bank 2	35.9%
1~4/14	

Figure 5-20

Press [][] button to view the data.

Press [] to return to Diagnostic Menu.

5.1.6 O2 sensor test

The results of O2 sensor test are not live values but instead the results of the ECU's last O2 sensor test. For live O2 sensor readings, refer to any of the live sensor screens such as Graph Screen.

Not all test values are applicable to all vehicles. Therefore, the list generated will vary depending on vehicle. In addition, not all vehicles support the Oxygen Sensors screen.

For results of latest mandated on-board oxygen sensor monitoring test, see Figure 5-21.

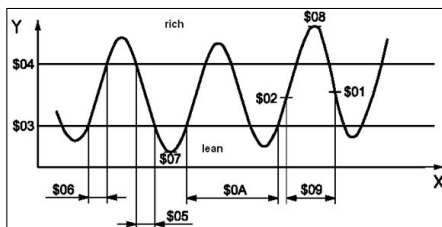


Figure 5-21

Select [O2 Sensor Test] in Diagnostic menu and press [OK] and the screen will display as shown below:

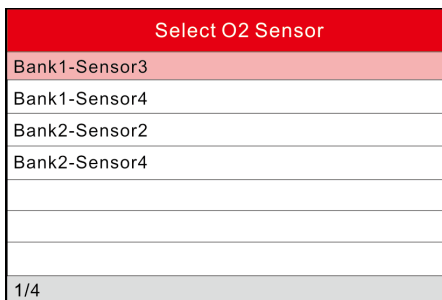


Figure 5-22

Press [▶]/[◀] button to turn to next or previous page. Press [▼]/[▲] button to select the desired items, then press [OK] button, the screen will display as shown below:

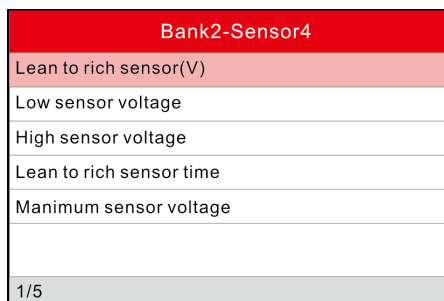







Figure 5-23

Press []/[] button to select an item and press [], the screen will display the test result.

Press [] to return to Diagnostic Menu.

5.1.7 On-board monitor test

This function can be utilized to read the results of on-board diagnostic monitoring tests for specific components/systems.

Select [On-board Monitoring] in main menu and press [] and the screen will display as shown below:

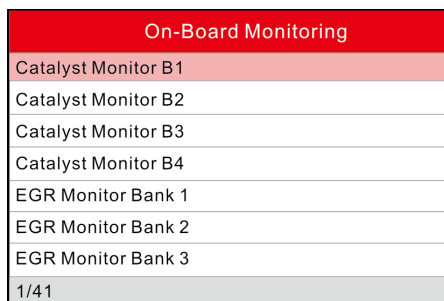







Figure 5-24

Press []/[] button to turn to next or previous page. Press []/[] button to select the desired items, then press [] button, the screen will display as shown below:

Catalyst Monitor B1	
Component ID	\$01
Limit Type	Min&Max
Test Value	0.009
Minimum Limit	0.008
Maximum Limit	0.024
Status	Pass
ESC - Exit	

Figure 5-25

Press [ESC] to return to Diagnostic Menu.

5.1.8 EVAP System Test

The EVAP test function lets you initiate a leak test for the vehicle's EVAP system. The CReaderVI does not perform the leak test, but signals to vehicle's on-board computer to initiate the test. Before using the system test function, refer to the vehicle's service repair manual to determine the procedures necessary to stop the test.

Select [EVAP System Test] and press [OK], the screen will display the relative information about EVAP system. Some vehicle manufacturers do not allow external devices to control vehicle system. If the car supports this function, it will display as below:

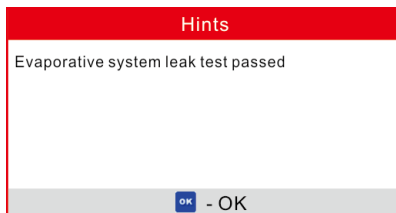


Figure 5-26

5.1.9 Vehicle Info

Select [Vehicle Info] and press [OK], the screen will display the information, such as VIN (Vehicle identification Number), CID (Calibration ID) and CVN (Calibration verification number), as shown below:

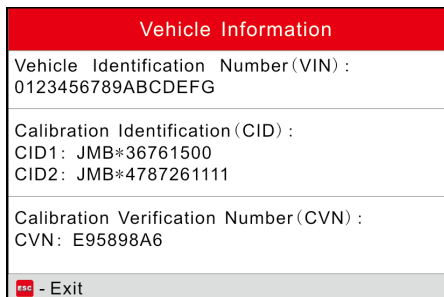


Figure 5-27

Press [ESC] to return to Diagnostic Menu.

5.2 System Diagnosing

This function is specially designed to diagnose electronic control system of single vehicle model which includes the following systems:

- ENG (Engine)
- ABS (Anti-lock Brake System)
- TCM (Transmission Control Module)
- SRS (Supplemental Restraint System)

Notes:

- Before diagnosing, please make sure the diagnostic program corresponding to certain vehicle model has been installed on your Creader VII+ / Creader VIII.
- 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.

In main menu, select [Diagnose] and press [OK] to confirm, the screen will display as figure 5-28.

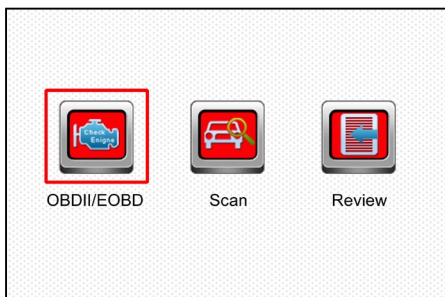


Figure 5-28

Press [▶]/[◀] button to highlight [Scan] and press [OK], the system will enter vehicle system selection interface. See Fig. 5-29.

ACURA ACURA V10.05	OPEL OPEL V10.02	AUDI AUDI V10.10
BENZ BENZ V10.01	BMW BMW V10.05	CHRYSLER CHRYSLER V10.02
CITROEN CITROEN V10.03	DACIA DACIA V10.01	DAEWOO DAEWOO V10.03

Figure 5-29

Press [ESC] to return to Diagnose main menu.

Press [▶]/[◀] button to highlight the desired vehicle and press [OK], the system will enter vehicle system selection interface.

Take TOYOTA for example. Select [TOYOTA] and press [OK], the screen will display as Fig. 5-30.

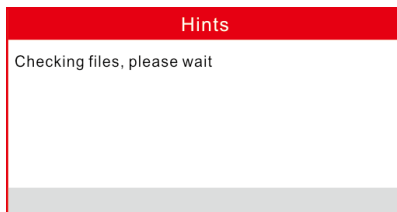


Figure 5-30

After checking files, the system will enter market region selection interface. See figure 5-31.

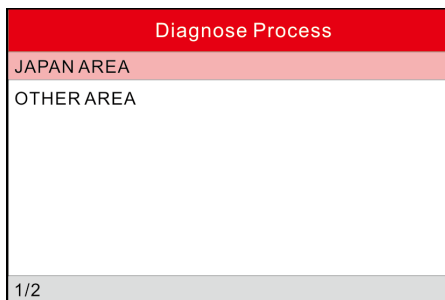


Figure 5-31

Choose one desired area and press [OK] button, the screen will display as figure 5-32:

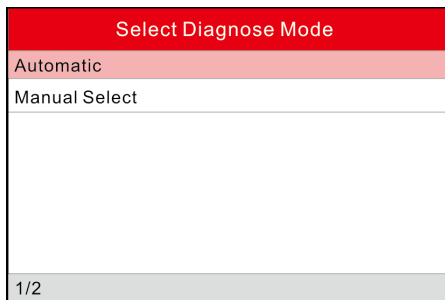


Figure 5-32

Choose [Automatic] and press [OK] button, the screen will display as figure 5-33:

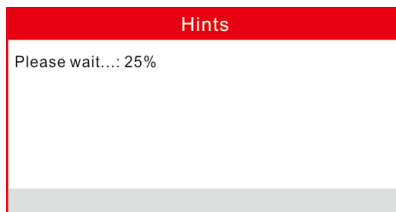


Figure 5-33

After communication is complete, the system will enter system selection screen.

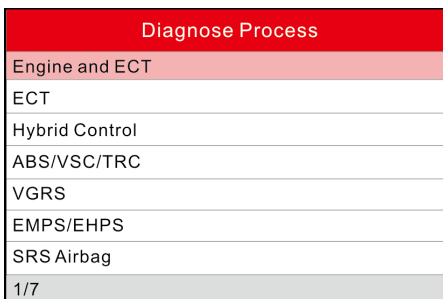





Figure 5-34

Press []/[] button to select the desired item, then press [] button to start initializing system. Once it is complete, the screen will appear as below:

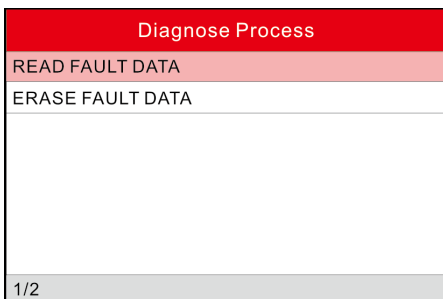





Figure 5-35

Press []/[] button to select the desired item, then press [] button to perform the corresponding function.

If communication failed, a dialog box prompting you communication failure will appear as shown on Fig. 5-36.

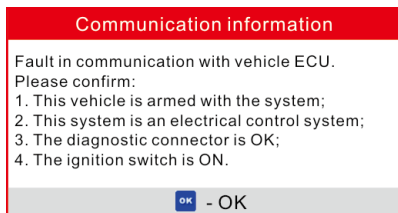


Figure 5-36

5.3 Resetting (Only applies to Creader VIII)



In addition to amazing & powerful diagnosing function, Creader VIII also features Oil / Service lamp reset.

There are two methods to reset service lamp: reset manually or reset automatically. Auto reset follows the principle of sending command from Creader VIII to vehicle's ECU to do resetting. While using manual reset, users just proceed following the on-screen instructions.

Take "Auto reset" as example to explain how to make resetting operation.

Highlight "Diagnose" on the main menu screen of Creader VIII and press [OK] to enter the submenu of Diagnose. The screen is displayed as follows:

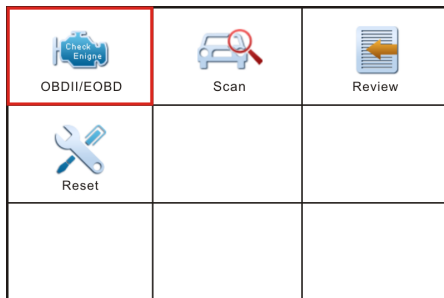


Figure 5-37

Move the highlight bar on "Reset" and press [OK] to enter reset options selection interface:

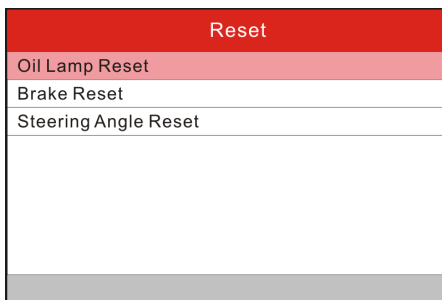


Figure 5-38

Highlight “Oil Lamp Reset” and press [OK] to enter the vehicle selection interface:

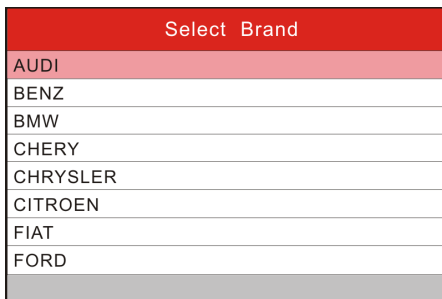


Figure 5-39

Choose the desired one (e.g. BENZ) and press [OK] to enter Figure 5-40:

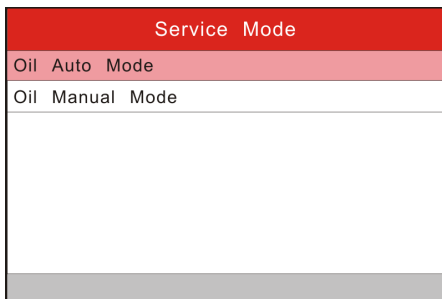


Figure 5-40

Note: The available service mode (Figure 5-40) varies from vehicle to vehicle.

Choose the desired reset mode, and press [OK], then follow the on-screen instructions to proceed.

5.4 Review

This function is used to review or delete the recorded DTC, Data Streams and Freeze Frame.

For details on how to record, please refer to “Chapter 6.4 Record Mode”.

Highlight “Diagnose” on the main menu screen of Creader VII+ / Creader VIII and press [OK] to enter the submenu of Diagnose.

Move the highlight bar on “Review” and press [OK] to enter review options selection interface:

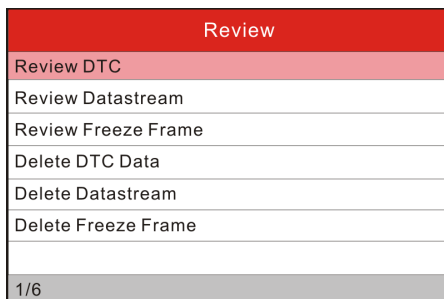


Figure 5-41

Select the desired option and press [OK] to perform the corresponding function.

6 Settings

Select [Settings] in the main menu and press [OK], the system will enter the following screen:

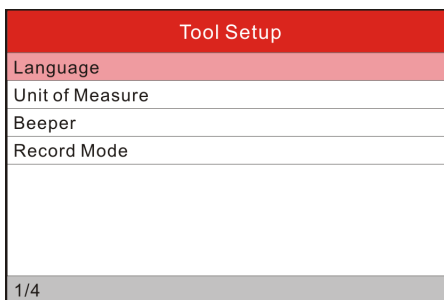


Figure 6-1

6.1 Language

This option enables you to set the user interface language.

Due to continuous software upgrade, language interface may differ from different software versions (Figure 6-2 is provided for reference and demo purpose).

Choose [Language] and press [OK] to confirm, the screen will enter the language selection interface. Use the [▼]/[▲] button to choose the desired one and press [OK] to save your change.

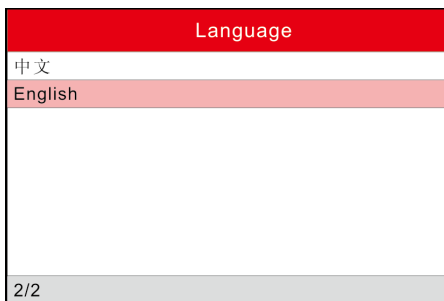


Figure 6-2

6.2 Unit of Measure

This option allows you to set measurement unit.

Choose [Unit of Measure] and press [OK] to confirm, the screen will enter the unit setting interface. Use the [▼]/[▲] button to choose the desired one and press [OK] to save your change.

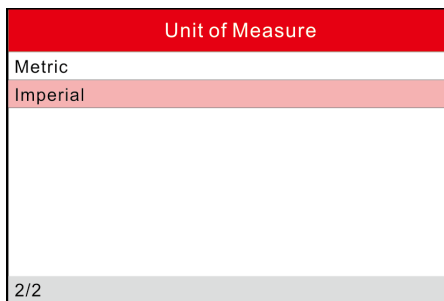


Figure 6-3

6.3 Beeper

It is used to set On/Off the buzzer.

Choose [Beeper] and press [OK] to confirm, the screen enters Fig. 6-4. Press [OK] to switch between on and off.

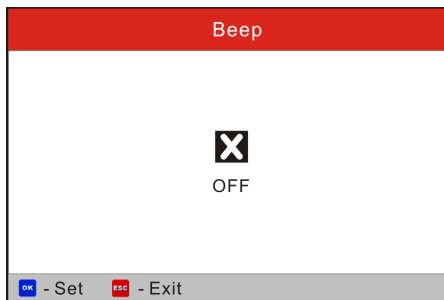



Figure 6-4

6.4 Record Mode

It is used to turn On/Off recording function.

Choose [Record Mode] and press [OK] to confirm, the screen enters Fig. 6-5. Press [OK] to switch between on and off. When recording is ON, the icon  appears, then Creader VII+ / Creader VIII can record DTCs, Data Stream and Freeze Frames.

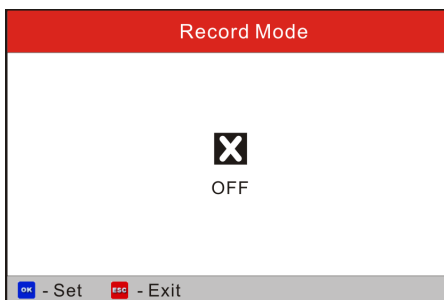


Figure 6-5

7. Help

This menu enables you to view device information and OBD introduction. In main menu, select [Help] and press **[OK]** to enter Figure 7-1.

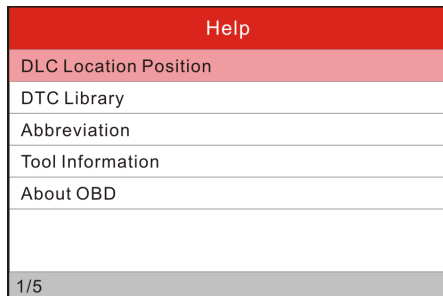


Figure 7-1

7.1 DLC Location Position

In Figure 7-1, select [DLC Location Position] and press **[OK]** to view the location of vehicle's DLC.

7.2 DTC Library

In Figure 7-1, select [DTC Library] and press **[OK]** to enter the following screen.

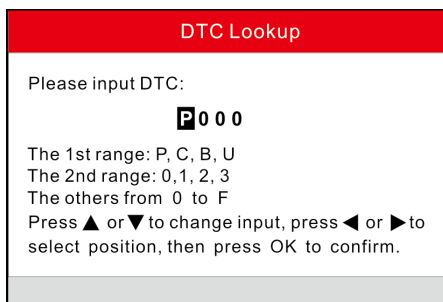


Figure 7-2

Press **[▶]**/**[◀]** button to move the highlight bar to different position. Press **[▲]**/**[▼]** button to alter the value, then press **[OK]** button, the screen will display

definition of the DTC, as indicated in figure 7-3:

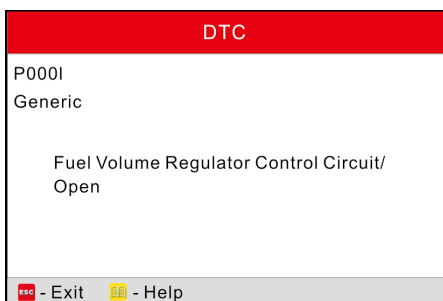


Figure 7-3

Press [ESC] to return to the previous screen.

7.3 Abbreviation

In Figure 7-1, select [Abbreviation] and press [OK] to enter the abbreviation word list.

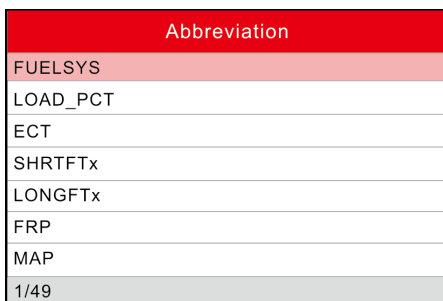


Figure 7-4

Press [▶]/[◀] button to turn to next or previous page. Press [▼]/[▲] button to highlight different items, then press [OK] button, the screen will display as shown on Figure 7-5.

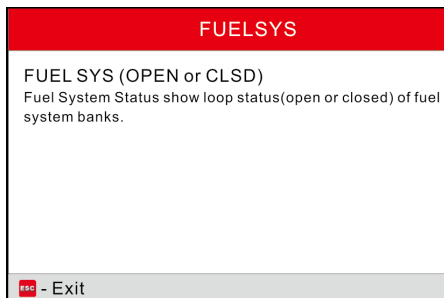


Figure 7-5

Press **[ESC]** to return to the previous screen.

7.4 Tool Information

In Figure 7-1, select [Tool Information] and press **[OK]** to view the related information of Creader VII+ / Creader VIII.

Tool Information	
Boot version:	V02.01
Display program version:	V02.00
Diagnostic program version:	V10.50
Diagnostic library version:	V02.24
Serial Number:	964890000012
Register Code:	270025000247
ESC - Exit	

Figure 7-6

Note: You are strongly recommended to note down the Serial Number and Register Code in Figure 7-6 since these 2 pieces of information are required while registering your Creader VII+ / Creader VIII.

Press **[ESC]** to return to the previous screen.

7.5 About OBD

This option allows you to have a general knowledge of OBD.

8. Register & Update

Hardware Requirement:

1. A computer that can access the Internet.
2. A CF card reader/writer and a CF card that need to be updated.

Follow the steps described as below to proceed registration and update:

1. Go to <http://mycar.x431.com/pad/landingPageIndexCrv.action> and click **Updating Tool Download** icon. See Figure 1.

Note: Creader VIII shares the same URL with Creader VII+.

Creader VII+

Creader VII+ is a well built comprehensive diagnostic instrument by Launch. It's not only including the full function of OBDII (OBDII), but also support more functions of four systems (Engine, automatic transmission, anti-lock braking system and airbag) of main car models, such as read and read code, multi-languages, data stream graphic display, storage and playback of dynamic data stream, etc.

Functions:

- Applicable for all vehicles which match OBDII standard after 1996
- Supports all 10 test modes of the OBDII
- Display DTC help information and service information
- Oxygen sensor test, carbon canister test
- OBDII Data Stream Graphic Display
- Cover more than 20 main car models in America, Europe and Asia Pacific regions
- Can test Engine, Transmission, ABS and Airbag systems
- Read DTC
- Clear DTC
- Read Dynamic Data Stream
- Multi-languages
- Support Online Upgrade

Parameter :

- Screen: 3.5" TFT LCD Display
- Connections: 16 - PIN DLC
- Storage Temperature: -20 ~ 70°C
- External Dimension: 7.4" (L) x 4.13" (W) x 1.08" (H)
- Weight: <350g
- Input Voltage Range: 9-15 V
- Operating Temperature: 0 ~ 50°C

Support vehicle:

Asian	SUZUKI, HONDA, MITSUBISHI, NISSAN, TOYOTA, MAZDA, HYUNDAI, KIA, SUBARU, INFINITI, LEXUS, ACURA, ISUZU
America	FORD, GM, CHRYSLER
Europe	BENZ, BMW, VW, OPEL, VOLVO, FIAT, LANDROVER, SEAT, SKODA, AUDI, PORSCHE, SAAB, JAGUAR

Figure 1

2. Download and install the Creader VII+ / Creader VIII Update Tool (*only under Window XP or Windows 7 operating system*) and launch the program when installed, a screen similar to Figure 2 will appear:



Figure 2

- In Figure 2, type in the Product Serial Number, which is located at the back of the tool)
- After the Serial Number is entered, click **Update** to jump to the registration page. Enter the following information. Click **Submit** (refer to Figure 3).



Figure 3

(If you need the Register Code, proceed to the steps 5-8)

(If you have the Register Code, proceed to step 9 directly)

- The **Register Code** can be found in your Creder VII+ / Creder VIII. Connect one end of the supplied USB cord to the Creder VII+ / Creder VIII, and the other end on the computer.
- When the tool has powered up and entered the main menu screen, place cursor on the Help icon (See Figure 4) and press the **OK** button.

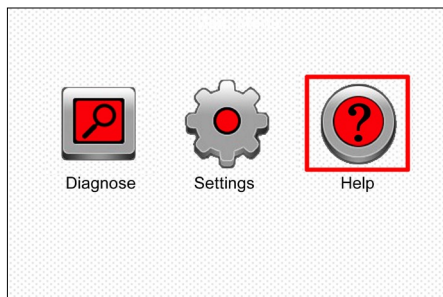


Figure 4

- Select **Tool Information** (refer to Figure 5), press **OK** button to enter.

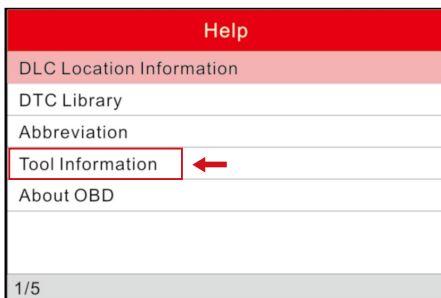


Figure 5

8. The Register Code shown in Figure 6 is the Register Code needed in step 4.

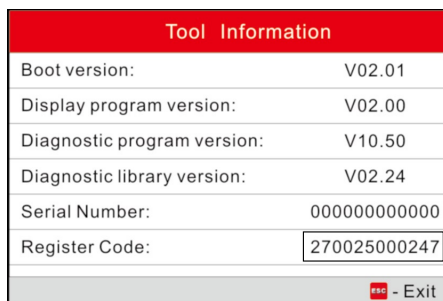


Figure 6

(Return to step 4 and input the **Register Code** and then proceed)

9. Install the TF card from the tool into the supplied USB TF card adapter and insert into the USB port of the computer.
10. Reopen the Creader VII+ / Creader VIII update tool, select the updates you would like to perform or click "Select All" and click **Download** to start downloading. See Figure 7.

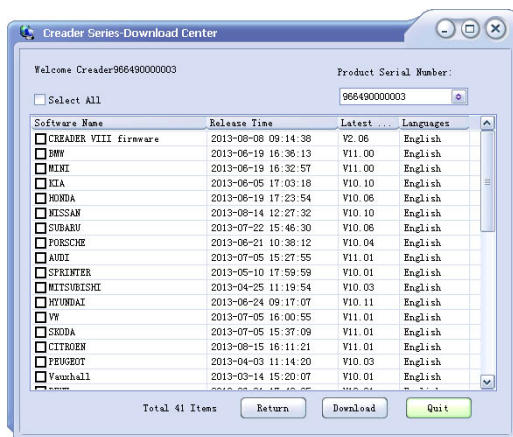


Figure 7

11. Once all steps are complete, reinsert the TF card into the tool and power the tool via USB cable or via OBD II cable (one end to OBD II connector of Creader VII+ / Creader VIII and the other end on the vehicle's DLC). A dialog box (Note: If only diagnostic softwares are updated and no firmware packages are downloaded in Figure 7, this box will not appear) prompting you to upgrade will pop up on the screen (See Figure 8), select **OK** to proceed.

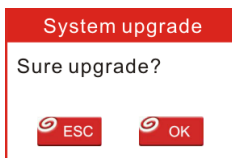


Figure 8

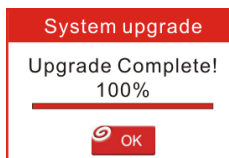


Figure 9

12. The registration process is now complete, your Creader VII+ / Creader VIII is now ready for use (See Figure 9).

9. FAQ

Here we list some frequently asked questions and answers relating to Creader VII+ / Creader VIII.

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

Answer: It may be caused by a slackened connector. Please turn off the Creader VII+ / Creader VIII, firmly connect the connector, and switch on it 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:

1. Quantity
2. Part number
3. Item description

Customer Service

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

Tel: 86-755-84528767

E-mail: X431@cnlaunch.com

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