User Guide

Ver. 180719

Safety Cautions

! This information is essential to protect your safety and prevent property damage.

! Make sure to read this thoroughly before using AUTO-i700.

! This information is subject to change or add without notice.

! Please refer to Homepage of CARMAN IT Co., Ltd. for the latest version.

Grade A Equipment (Communication Equipment for business purpose)

Pay attention that this is electromagnetic compatibility equipment for business purpose (Grade A).

It is permitted to use except a house.

CARMAN IT CO., LTD.

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Safety Instruction

Cautions in Use

AUTO-i 700 mentioned in this User's Guide is designed for those who have basic qualifications for using this system.
Users should follow the safety instructions for safe and efficient use of the product.

The cautions of use are as follows:.

- Do not drop AUTO-i 700.
- Always use it in the rubber shroud to product it.

- Do not place AUTO-i 700on the power distributor.
-Although AUTO-i 700 is manufactured to internally prevent the interference from the electromagnetic waves, the strong interference by excessive electromagnetic waves may damage the product.

- Excessive surge or electric shock fed by a power cable may damage the power supply system of AUTO-i 700.
- So, do not use the product while the power supply is unstable.

- The voltage rating of the AC/DC adapter is 12V DC.
- Be sure to use an AC/DC adaptor with the rated voltage.

- Be careful not to let water or oil get into the product.
- The product can be severely damaged.

- Please check if there is short circuit through communication connectors of OBD-II or a vehicle in the case of flooded cars.
- It can cause damage of scanner.

- Be sure to use the USB cable supplied by CARMAN IT only.
- Otherwise, your PC or product can be damaged.
- Wireless update or wireless communication requires no hurdle between scanner and wireless devices. Also, it is recommended to communicate within 10 km.

Chapter 1: General Descriptions

1. Product Features

AUTO-i 700 can check vehicle ECU information and malfunction status through the OBD-II/EOBD and MOBD communication.
You can connect AUTO-i 700 to the vehicle diagnostic connector with a diagnosis cable to check if any of the Engine, Automatic transmission, ABS, Air bag, Power steering and other devices has an error, view parameter data and use actuator drive features..

AUTO-i 700 has the following features:

▶ Diagnosis Korean, Japanese, European and USB vehicles.
- Support OBD-II/EOBD, MOBD
- Support CAN,SAE-J1850,ISO9141-2/KWP2000,J1587

▶Supports vehicle troubleshooting and parameter data search.
- You can diagnose vehicles with their sensors and switches, and save and reload theparameter data.

▶ Supports automatic actuator inspection.
- This function runs/stops the actuator and switches forcibly in order to check if the corresponding active device is normal..

▶ You can use saved data and upgrade the diagnosis program by connecting the product to your PC with wire or wireless.

▶ You can change the sound effects and display unit of the AUTO-i 700.

▶Provides the LCD brightness adjustment function.

▶ You can check the latest data and update it automatically.

▶ Support real-time screen printing function by wireless.

▶ Support Log Data function to save / send the data in the case of communication error so that fast customer support and newest communication is available.

▶ Support remote assistance for usage of product by connecting PC and scanner with USB connector.

Chapter 1: General Descriptions

2. Product Specifications

Item		Specification
Dimension		250mm*180mm*40mm
Weight		1.32kg(2.91lb)
CPU	OS	Windows CE 6.0
	Diagnosis	Cortex M3 120Mhz
	Main	Cortex A8 1Ghz
Memory		32GB (Micro SD)
Display		7inch Touch LCD(1024*600)
Operating Temp		0~45℃(32~113°F)
Storage Temp		-20~70℃(-4~158°F)
Protocol		All Flexibility - Dual CAN(2.0A,2.0B),Singlewire CAN - ISO914-2, KWP2000, J1850P, J1587 - K/L-line High Speed Serial, Flashing Code - Ethernet
Button		Power button, All touch button
Operating Voltage		8V ~ 35V

- Please note that if AUTO-i 700 has been under 0℃(32F), it has to stay in room temperature over 2 hours surely before using it over 0℃.

-If AUTO-i 700 moves from low temperature to room temperature, condensations inside the device can be generated and it can cause damage or malfunction.

- So, please do not place this device in the cold if possible.

Chapter 1: General Descriptions

3. Rechargeable Battery

* The rechargeable battery pack has the following features

-Voltage of the rechargeable battery pack gradually decreases even when the system does not run.

- Before using the product for the first time, be sure to fully charge the battery.

- Always use the rechargeable battery pack provided by Our Company.
- Using a 3rd party product may cause explosion.
  (7.4V 2200 mAhLithium-Ion battery pack)

- Do not heat the rechargeable battery pack.
- It may cause explosion.

- Do not short the battery pack terminal.
- It may cause explosion.

- Do not place the battery pack on or near hot material over 60ºC.
- It may cause explosion.

- Keep the battery pack away from touch of children or an animal.
- It may cause a fire or injury.

- To prevent the battery pack from being discharged, always connect the power source before using the system. Screen captures, flight record and other information can be erased due to the discharged battery pack..

- The battery is consumable and the warranty period is 6 months from purchase date.
- If the product is not used over 3 months, the contained battery may be discharged and swollen.
- Please charge your battery at least once per 2 or 3 month for 24 hours.

Chapter 1: General Descriptions

4. Component List

1. Basic kit

NO	Part No.	Description
1	AY-ELPT-A700	AUTO-i 700 Main Body
2	CB-CYAT-0001	DLC Main Cable (16P 2M)
3	CB-CYVG-0006	Cigarette Lighter Power Cable
4	CB-CNHC-0004	Battery Extension Cable
5	PC-02HC-P009	Power adapter (5A)
6	CB-CYTP-0004	AC/DC Power Cord
7	CB-CYAU-001A	USB Cable(B Type)
8	LA-MCAU-E001	User Guide
9	LA-DQAU-A001	CD
10	PK-BGTT-0005	Carrying Case
11	FE-MUDE-0046	Wi-Fi USB Dongle

Chapter 1: General Descriptions

5. Cable Component

1) Asian kit

NO	Part No.	Description
1	CB-AYVG-0008	SAMSUNG / NISSAN ADAPTOR (14P)
2	CB-AYHC-0018	KIA ADAPTOR 20P (BLUE)
3	CB-AYVG-0005	DAEWOO,GM ADAPTOR (12P)
4	CB-AYVG-0006	SSANGYONG ADAPTOR (14P)
5	CB-AYVG-0007	SSANGYONG ADAPTOR (20P)
6	CB-AYVG-0001	TOYOTA, LEXUS ADAPTOR (17P"R")
7	CB-AYVG-0002	TOYOTA, LEXUS ADAPTOR (17P"C")
8	CB-AYVG-0009	HONDA ADAPTOR (3P)
9	CB-AYVG-0012	HONDA ADAPTOR (5P)
10	CB-AYVG-0011	SUBARU ADAPTOR (16P-9P)
11	CB-AYVG-0010	MAZDA "C" ADAPTOR (17P)
12	CB-AYVG-0003	MAZDA ADAPTOR (6P + 1P)
13	CB-CYHC-0018	MITSUBISHI ADAPTOR (12P)
14	CB-CYVG-0007	MITSUBISHI CABLE (12P+16P)

Chapter 1: General Descriptions

2) European kit

NO	Part No.	Description
1	CA-PSA1-0002	Peugeot / Citroen Cable (2P)
2	CB-CYHC-0022	Audi / VW Cable (2+ 2P)
3	CN-T005-AM06	Fiat Cable (3P)
4	CB-AYVG-0014	Opel Adapter (10P)
5	CB-AYVG-0013	BMW Adapter (20P)

3) USA/Australian kit

NO	Part No.	Description
1	CB-CYHC-0031	Ford Cable (20P)
2	CB-CYVG-0009	Holden Cable (6P)

Chapter 1: General Descriptions

6.Component Figures and Descriptions

6-1. User Guide

AUTO-i 700 User Guide

Be sure to read the guide before using the product..

6-2. Main Module

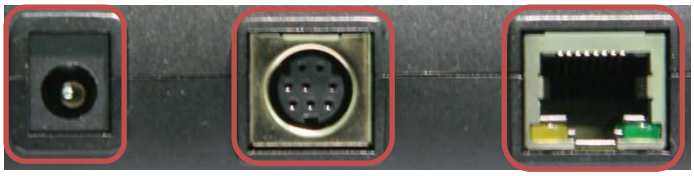
AUTO-i 700 Main Module

* The exterior might be changed without any notice in advance.

Chapter 1: General Descriptions

6-3. Connectors and Key

-Connectors on upper right side -



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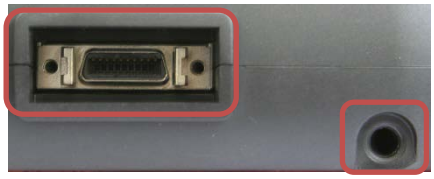
- Connectors on upper left side -



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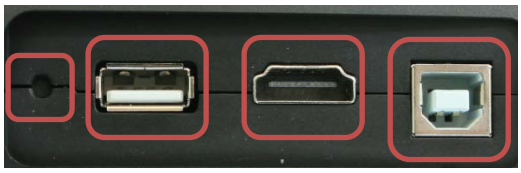
1. Power connector: It is for a AC/DC power adaptor and a cigar jack.
2. RS-232 connector: It is for the optional product that CARMAN IT sells.
3. RJ45: It is not supported just now. (Later it is supposed to support.)

   ⚠ Please do not insert a LAN cable.
4. DLC connector: It is for DLC communication cable to diagnose vehicles.
5. Hole for a touch pen: It is for keeping touch pen.

- Connectors on left side -



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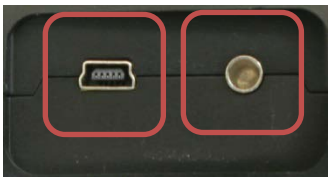
- Connectors on right side -



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1. Forced Termination: This switch can interrupt power emergently if it is overloaded while using.
2. USB A Type: Connecting to external device.(Wi-Fi Dongle, USB Memory Stick)
3. HDMI: Connecting to external monitor.
4. USB B TPYE: Connecting to PC for update.
5. USB mini B: USB port for support J2534 communication

(Later, it will be supported on our website.)

6. J2534 power port: power port forJ2534

(Later, it will be supported on our website.)

Chapter 1: General Descriptions

6-4. AUTO-i 700 Carrying Case

AUTO-i 700 Carrying Case

AUTO-i 700 includes a number of adaptors and cables for diagnosing vehicles.
When the product is not in use, store it in the supplied carrying case to prevent damage and loss.

6-5.Touch pen

Picture no.1 Touch Pen

Picture no.2 Hole for Touch Pen

You can prevent the touch pen from loss or damage by keeping it into the hole for touch pen like the picture no.2.

Chapter 1: General Descriptions

6-6. Rubber Shroud (fit to the main body initially)

- The color of rubber shroud can be changed according to user

Rubber Shroud

The rubber shroud protects AUTO-i 700 from external electrical and physical impact.

6-7. USB Cable

USB Cable

The USB cable connects the USB ports of AUTO-i700 and your PC to download the diagnosis software or save captured files to your PC.

CAUTION!

- Please use a USB cable for AUTO-i700 only. Other USB cables can cause contact problem.

Chapter 1: General Descriptions

6-8. CD

*Components of CD

- Installation Driver
- PC Program
- PDF Program
- Basic Diagnostic Data
- User Guide

6-9. Wi-Fi USB Dongle

-Newest diagnostic data can be updated automatically via Wi-Fi(USB A Type). Also, without wire, captured screens in the scanner can be printed via PC that is connected to a printer.

Chapter 1: General Descriptions

6-10. Cigarette Cable

Cigarette Cable

This cigarette cable connects AUTO-i 700 and a vehicle so that it can supply power.

AUTO-i 700 has internal battery inside so it can boot without other power but if power of batter is low and it is not charged, you can use cigarette cable or AC/DC power adapter.

6-11. Battery Extension Cable

Battery Extension Cable

This battery extension cable make AUTO-i 700 to get power from battery of a vehicle directly by connecting to a cigarette cable.

Chapter 1: General Descriptions

6-12. DLC Cable

DLC Cable

The DLC cable is also called the OBD-II cable. All vehicles released recently have built-in OBD-II connectors compatible to the OBD-II specification.
It is possible to diagnose new model vehicles by directly connecting the DLC cable. It is not necessary to connect any additional power source as power is feed through the diagnostic connector.

Old model vehicles should be diagnosed by connecting an additional adapter.

6-13. AC electrical power cord / adapter

AC electrical power cord / adapter

When you want to download the diagnosis program or search flight record, you can use this AC/DC electrical power adapter to feed power.
Also, can charge the battery built in the product..

Chapter 1: General Descriptions

6-14DLC Adapter

The DLC adapter is used to diagnose vehicles by connecting it to the DLC main connector. As there are similar shaped adapters, make sure to check the vehicle manufacturer name on the adapter before use.
Also, there can be various adapters for one manufacturer. Therefore, be sure to check the shape and pin numbers of the diagnostic connector in the vehicle.

CAUTION!

Some vehicles do not supply power through the diagnostic connector.
Do not connect any power supply if power can be supplied through the diagnostic connector..

1) Korean kit

SAMSUNG / NISSAN ADAPTOR (14P)KIA ADAPTOR 20P (BLUE)

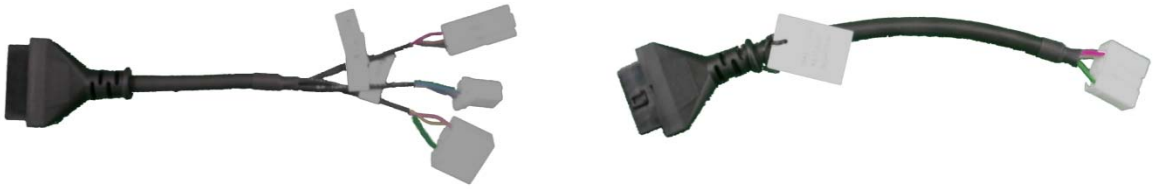
DAEWOO,GM ADAPTOR (12P) SSANGYONG ADAPTOR (14P)

SSANGYONG ADAPTOR (20P)

Chapter 1: General Descriptions

DAEWOO LPG CABLEHYUNDAI,MITSUBISHI CABLE (12P)

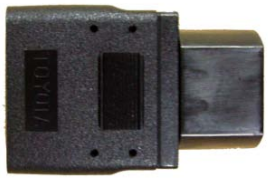
2) Cable for registering trans meter codes to Korean vehicles.



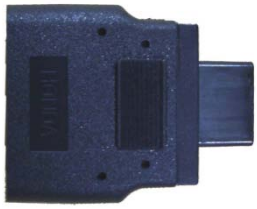
KIA KEYLESS CABLE HYUNDAI KEYLESS CABLE

Chapter 1: General Descriptions

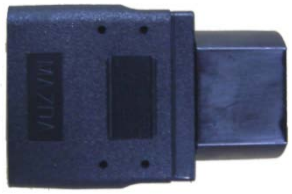
3) Japanese kit



TOYOTA, LEXUS ADAPTOR (17P"R")TOYOTA, LEXUS ADAPTOR (17P"C")



HONDA ADAPTOR (3P)HONDA ADAPTOR (5P)



SUBARU ADAPTOR (16P-9P)MAZDA "C" ADAPTOR (17P)

MAZDA ADAPTOR (6P + 1P)NISSAN ADAPTOR (14P)

Chapter 1: General Descriptions

MITSUBISHI ADAPTOR (12P)

MITSUBISHI CABLE (12P + 16P)

Chapter 1: General Descriptions

4) European kit

Mercedes Benz Board (38P) Mercedes Benz Cable (3 liners)

Peugeot /Citroen Cable (2P) Audi / VW Cable (2+ 2P)

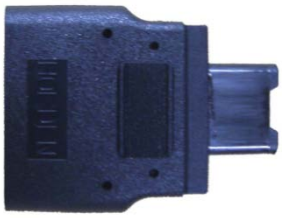
Fiat Cable (3P) Opel Adapter (10P)

BMW Adapter (20P)

Chapter 1: General Descriptions

5) USA/ Australian kit

Ford Cable (20P)



Holden Cable (6P)

Chapter 1: General Descriptions

7. Power Supply

1. Cigarette Lighter Power Cable

Power is fed through the cigarette lighter power cable.

However, when the vehicle ignition switch is in the “OFF” position or upon starting a vehicle, power is not supplied to the cigarette lighter socket.

2. Vehicle Battery

Connect the red clip of the battery extension cable to the (+) battery terminal, and black clip to the (-) terminal. Connect the cigarette lighter power cable between the battery extension cable and the product.

In this case, power is supplied anytime regardless of the ignition switch status or vehicle starting. (Be careful not to discharge the battery.)

Be careful when connecting the cable, as incorrect polarity may damage the main module..

3. DLC Cable

Where the vehicle satisfies the OBD-II communication convention and uses a certain manufacturer's diagnostic connector, the DLC main cable can supply power to the product directly without a separate power supply.

4. Rechargeable Battery Pack

If the built-in battery is used, you can use the system for 3 to 4 hours without any separate power supply..

The available time may change based on use and environment.

How to charge: When the product is not in use, connect it to the power source by the AC/DC power adapter that came with the product to charge the built-in battery. (12h ~ 24h)

5. AC/DC Power Adapter

If the AC/DC adaptor is used for power supply, the battery will be automatically recharged depending on programs and it is also used for power supply to the main module..

Chapter 2: Menu Configuration

1. Before Getting Started

1-1. Before using the system, check whether or not the battery is fully charged. If it is notcharged, then connect external power supply or recharge the battery before using thesystem.

- If you use the system by connecting it to a vehicle, you can also feed power to it through the vehicle diagnostic connector.

If power is not feed by the vehicle diagnostic connector, you need to connect the cigarette lighter power cable to feed power before you start communication with the vehicle. Voltage mismatch between the ECU and AUTO-i 700 may cause a communication error.

1-2.Before using the system, make sure to download the diagnosis program.
The diagnosis program will be stored in the system memory.

- Before using the system, check if the diagnosis program matches the optionyouhave purchased.
- Basically, a diagnostic program is installed before delivery.

Also, you can get the latest diagnostic data from our website or from where you purchase.

Chapter 2: Menu Configuration

2. Menu Description

-Main Screen -

01. OBD2/EOBD

- This menu is to diagnose and test some parts that are related with exhaust gas only if user`s vehicle has OBD2/EOBD

02. CAR, BUS/TRUCK, MOTORCYCLE

- This menu provides scanner's own functionality such as vehicle diagnosis, parameter data, actuator activation, etc.

- Depending on your option, you can perform diagnosis on Korean, Japanese, European, Australian and USA vehicles.

03. DOWNLOAD

- In this menu, AUTO-i700 can connect to PC so that it can upgrade software and download saved files etc. in AUTO-i 700 to PC.

04. CONFIG

- In this menu, you can check the system display unit, favorite maker setting, screen setting, time setting and system information

05. UTILITY

- In this menu, you can check flight record, text shot, screen capture etc.

06. REPAIR

You can put and see PDF type of service information.

07. POWER OFF

- This power off like main power button.

Chapter 2: Menu Configuration

3. Icons on Main Screen

3-1 Icons on main screen

1. Clock
 - This displays the current time.

2. FAT32
- It shows only removable memory disk which is formatted with FAT32.
 It lights up in green.

3. Wi-Fi Connection
 - It lights up in green when Wi-fi setting is completed and connected successfully.

4. Battery Status

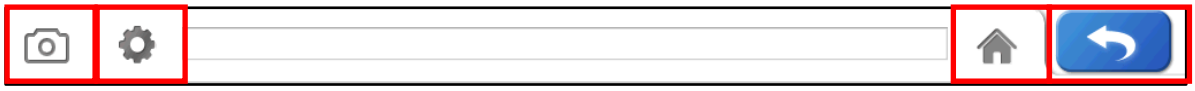
- Charging status: This indicates external DC power is being supplied and your battery is being charged at the same time.

-  Battery status: It shows power remaining on your battery.

After charging the battery, use AUTO-i700 in order to avoid discharging.

Chapter 2: Menu Configuration

3-2 Icons on the CAR menu



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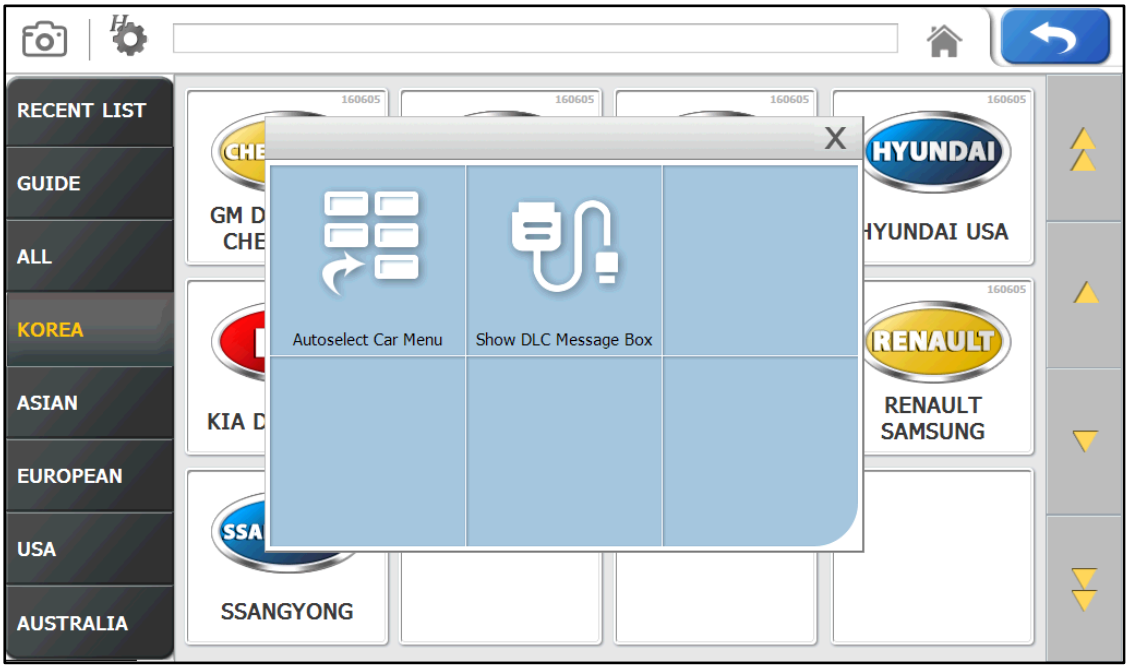


-Setting-

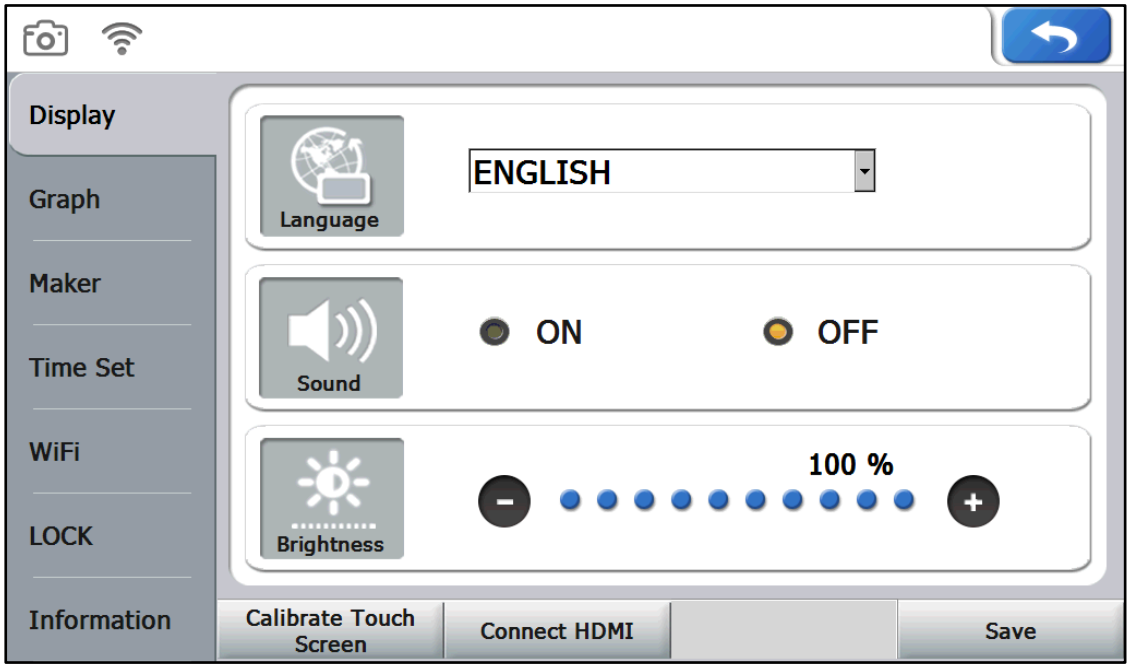
1. Capture: Press this button to capture a screen and save it.
2. Setting: Press this button to turn on/off 'Show DLC Message Box' and 'Log on' functions. If you select one button, the button is brighten and activated.
3. Home: Press this button to return to the main screen.
4. Back: Pressing this button to return to the previous screen.
5. Autoselect Car Menu (Press this button to Activate. then the color of icon changes to white.)
   - Activate Autoselect Car Menu and AUTO-i 700 starts from the Menu screen directly.
   - That is, the Main screen is skipped.
6. Show DLC Message Box (Activation makes the color of icon white.)
   - Activate this button to show how to connect when select connectors.(Page39)
   - On the other hand, if you do not activate this function, you can skip a step of how to connect.

Chapter 3: Configuration

1. Display

- You can set up language and brightness of LCD.

- Setting brightness will improve efficiency of work in a dark or bright place. Also, language can be selected according to a user.



-Display-

1-1 OS Language - The language of the operating system and diagnostic program can be set among the languages that are stored in the internal memory.

1-2 Sound - It can sound on/off by touch.

1-3 Brightness - Press the "-" and "+" buttons to adjust the screen brightness.

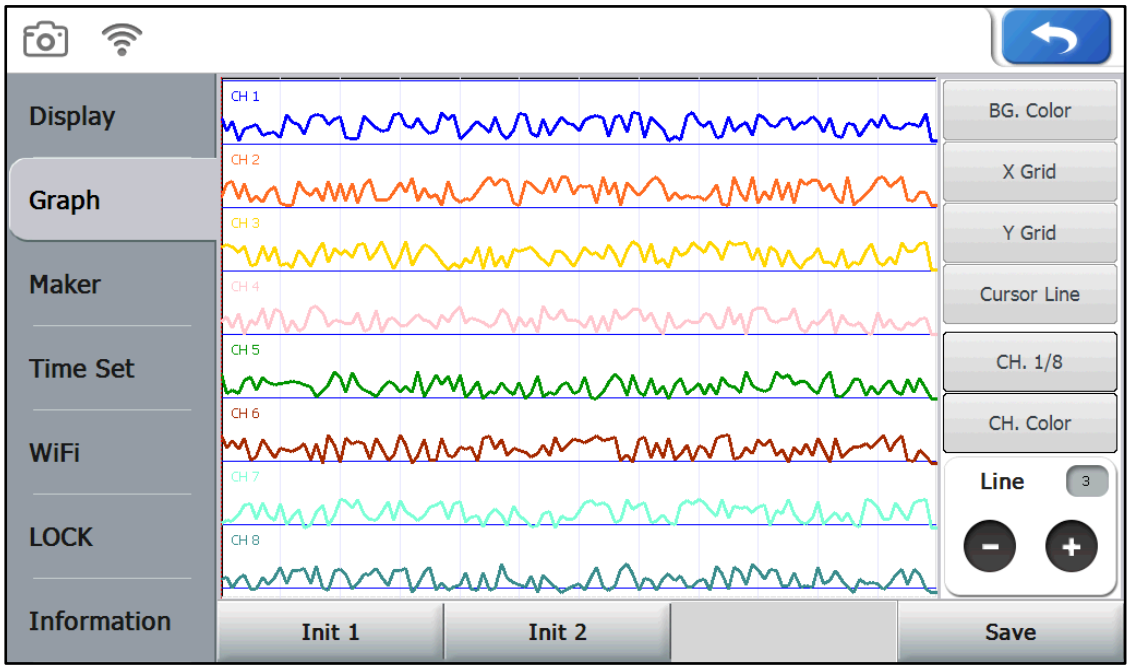
- Please note that if you set up the brightness to the max, the battery will be dead earlier.

1-3 Calibrate Touch Screen – Calibration is set automatically by touching "+" points.

1-4 Connect HDMI (High Definition Multimedia Interface) – Connect HDMI cable to your device and your monitor/screen. Then, press this to view it through your monitor /screen. (Specification: 1280*780 resolution. Some device may or may not support.)

Chapter 3: Configuration

2. Graph



- Graph–

2-1.Init 1: Standard default setup.

2-2. Init 2: Background color in Default 1 is white.

2-3. Save: After changing settings, save with [save] icon on the bottom of the screen so that changed setting values can be displayed.

2-4. BG. Color: Background color can be changed to desired color.

2-5. X Grid: The color of the vertical axis of checkerboard pattern on the screen can be changed.

2-6. Y Grid: The color of the horizontal axis of checkerboard pattern on the screen can be changed.

2-7. Cursor Line: The color of the cursor appearing when the screen is touched can be changed to confirm values at the specific point.

2-8. CH. 1~8: Channel can be selected from Ch.1 to Ch.8.

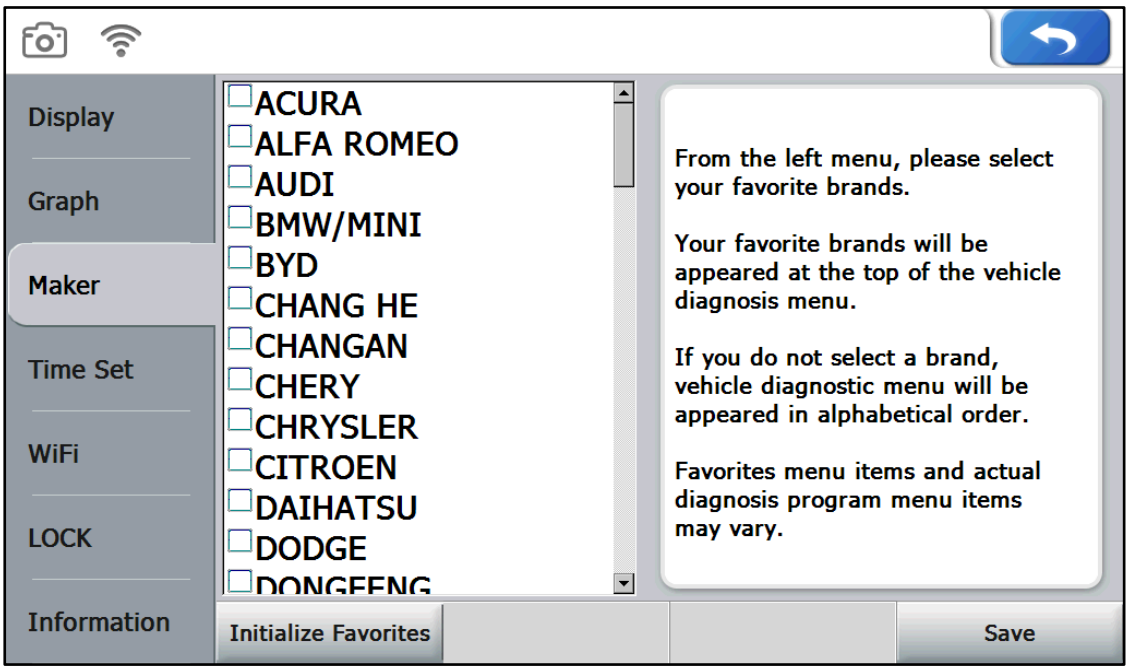
2-9. CH. Color: The color of selected channel can be changed.

2-10. Line Width: Thickness of graph line can be adjusted.

Chapter 3: Configuration

3. Maker

- It is possible to select your favorite vehicle maker to be displayed on top in the diagnosismenu..
- This function can save time to search for the desired vehicle maker whenever the diagnosis is made.



- Maker -

3-1. Maker - Please select a maker and click the save button. Then please click the confirm button.

3-2. Initialization of favorite: It initializes the saved favorites.

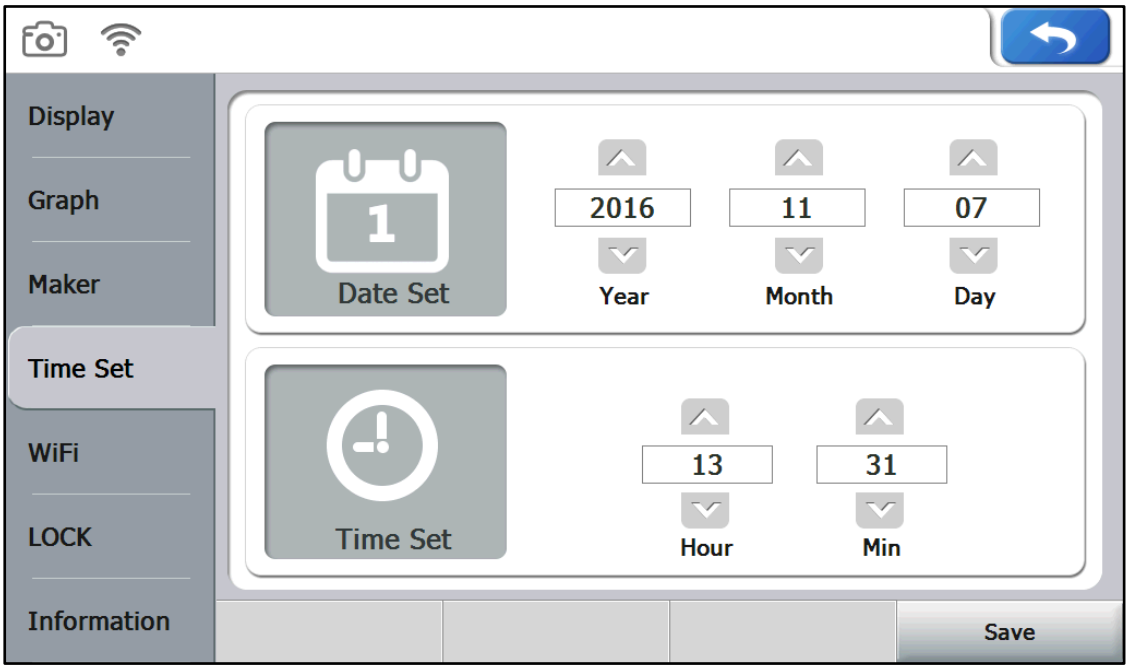
- Please click the initialize favorite button and confirm to save changed settings.

The list of makers shows some models that is not included in what you download.
You can check valid model in the menu of the car or the commercial car on main screen.

Chapter 3: Configuration

4.Time Set

- You can change the date and time stored in the internal memory.
- The time stored in this menu is used when saving a file or executing other functions.
- User can adjust time and date of the scanner.



-Time Set-

4-1. Date Set: Change the day, month and year as desired by pressing the arrow keys (▲ and ▼).

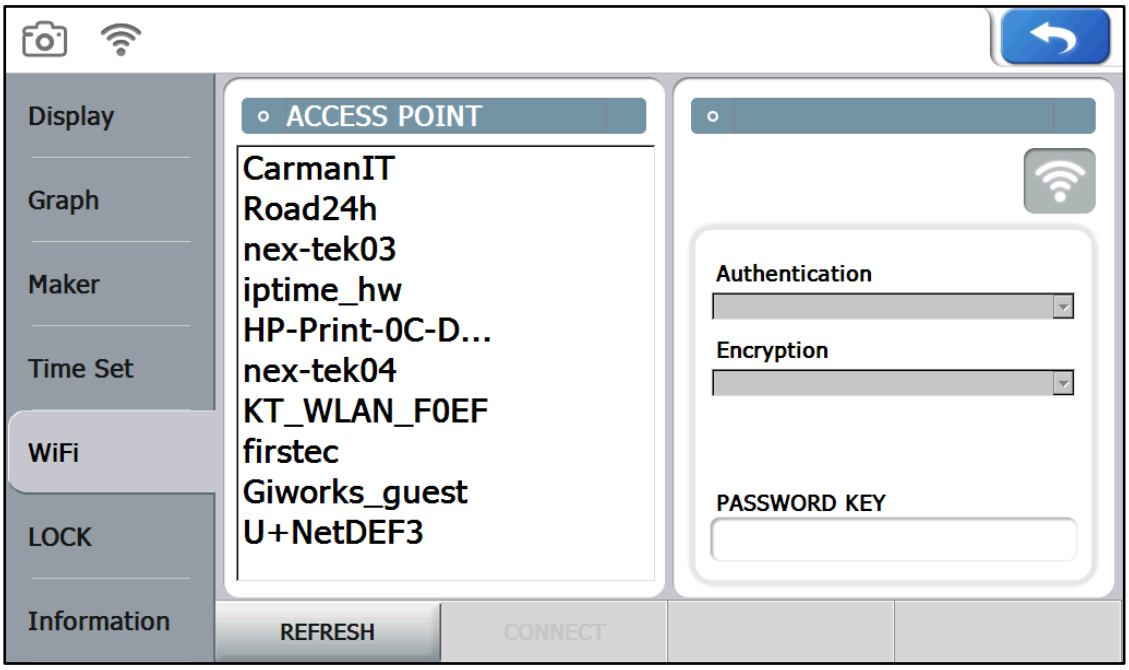
4-2. Time Set:Change the hour and minute as desired by pressing the arrow keys.

OS language setting, depending on the state set a date and time settings can be changed notation.

Chapter 3: Configuration

5. Wi-Fi

- Choose your Wi-Fi router on the list for your Wi-Fi connection.



- Wi-Fi –

5-1 REFRASH – Displays all connectable Wi-Fi routers around.

5-2 CONNECT– Connect wireless communication with your selected router.

Connected successfully, color of Wi-Fi icon turns to green with connected IP address.

* Only “AES” Encryption is available.

Chapter 3: Configuration

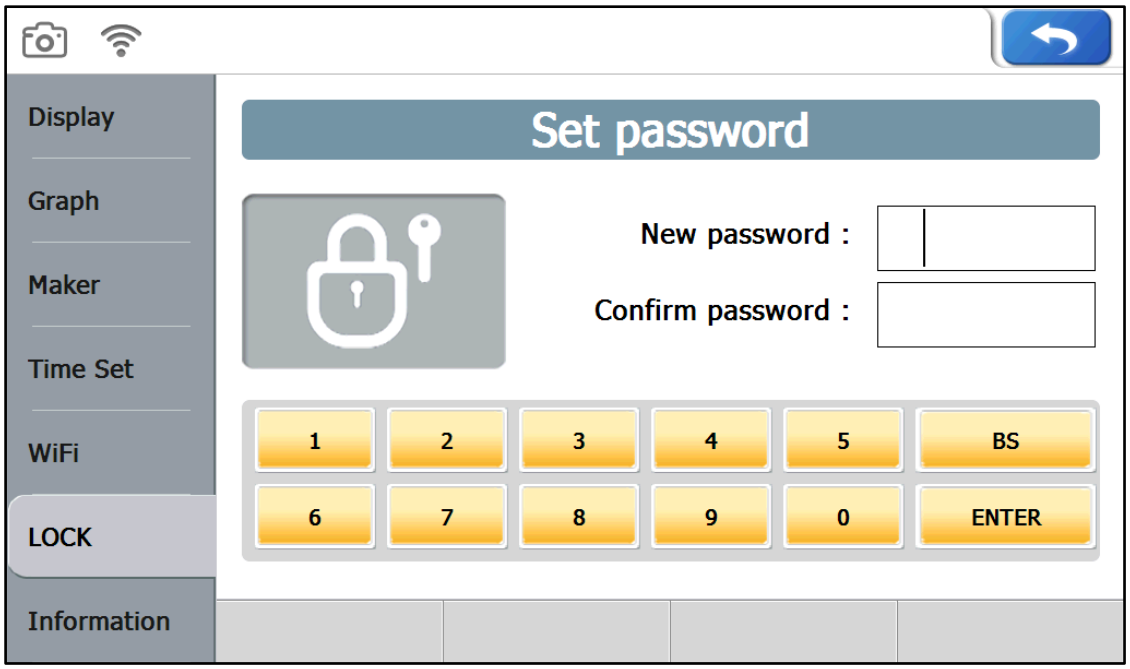
6.LOCK

You can set the lock to be used only by a specified user.

-Enter Password-

6-1 set the password

The password can be set to a 4-digit number.



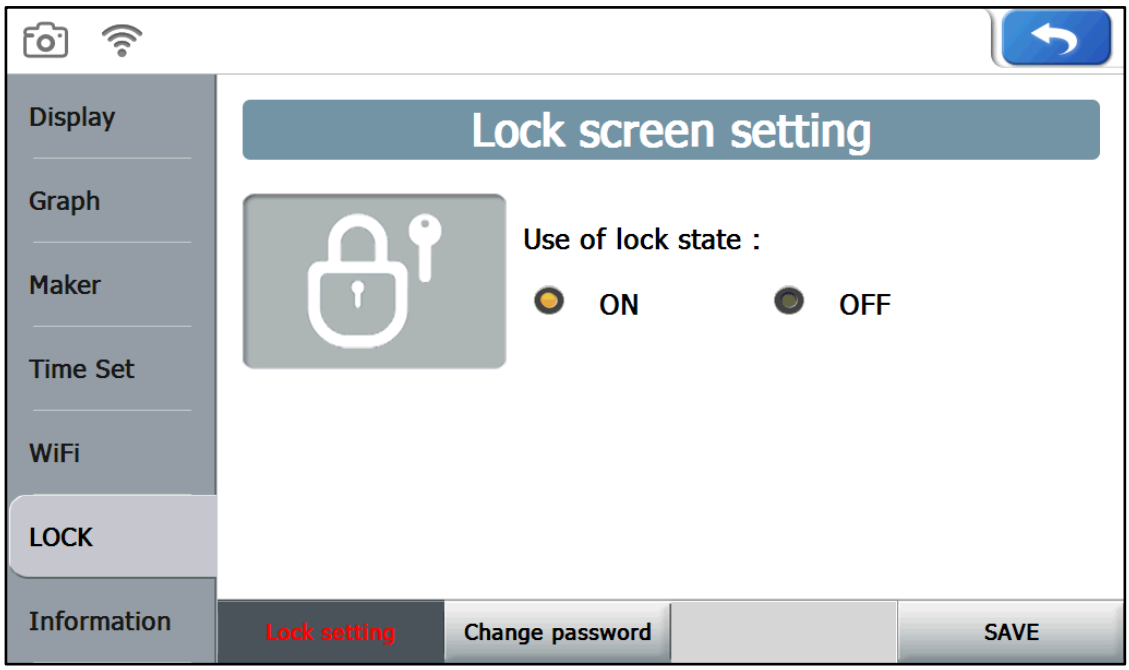
-비밀번호 설정-

Chapter 3: Configuration

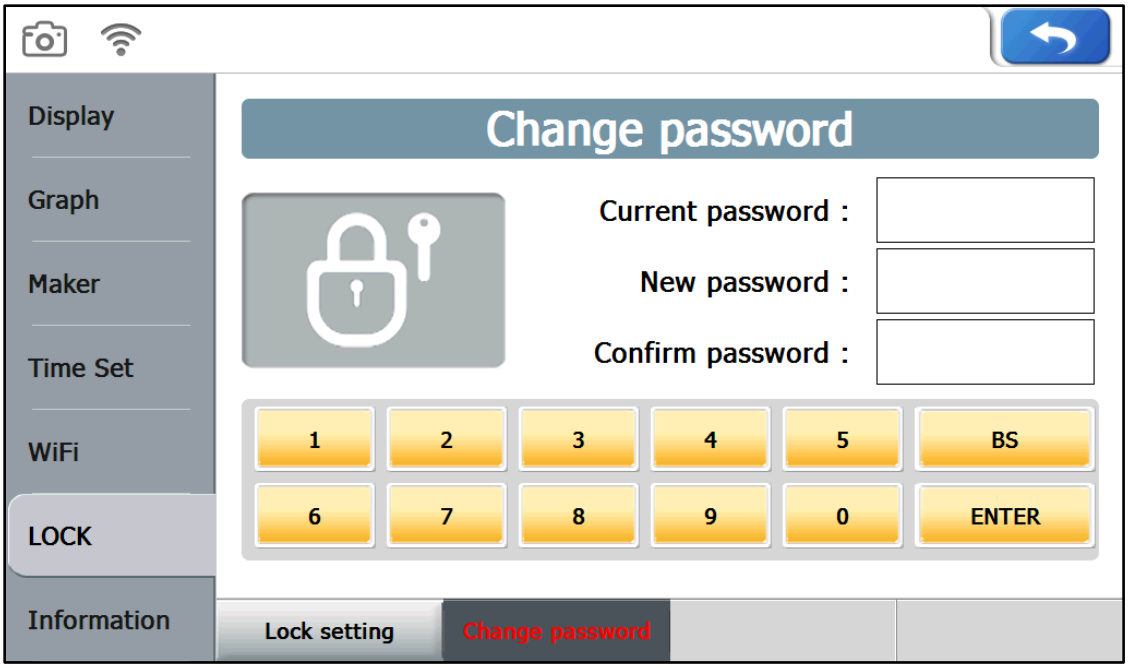
6-2 LOCK setting

LOCK can set On and Off, password can be changed.

※ Caution :LOCK key is on Off, set password is deleted.



-LOCK screen-



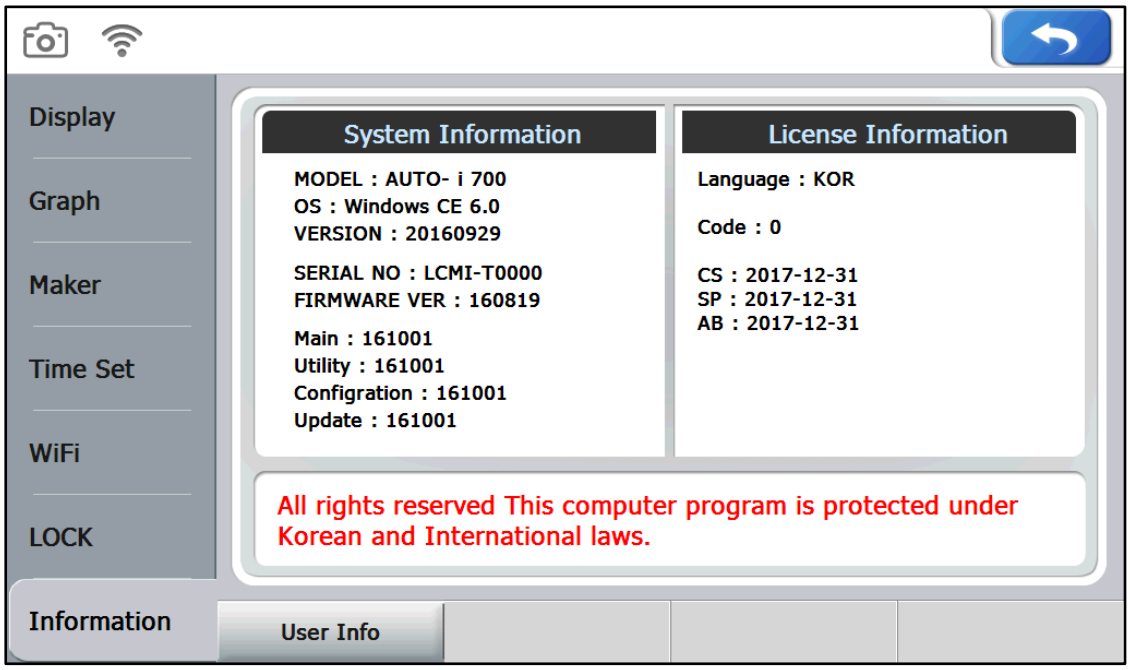
-Change the password-

※Caution : when you forget the password,
please contact to CARMAN IT head office.

Chapter 3: Configuration

7. Information

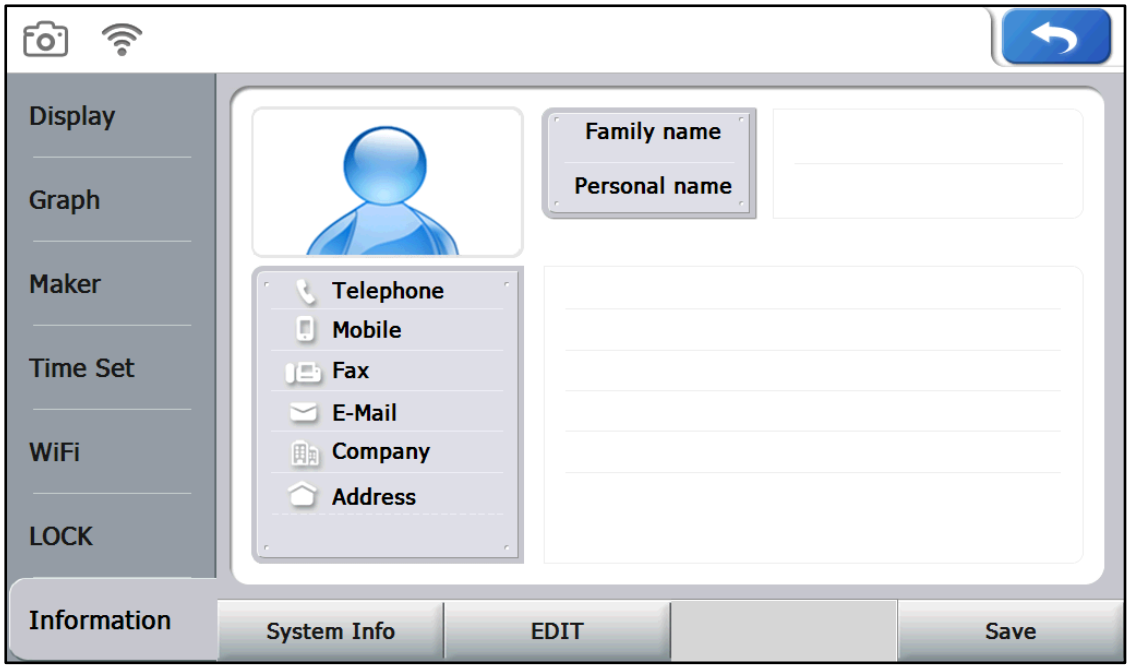
You can input your information or check system & License information.



-Information-

7-1. Press the Information button. Then, the information is shown so you can check system and License.

Chapter 3: Configuration



-Information-

7-2. User information is shown and you can edit and save information.

7-3. In order to change the information.Please select a item to edit, click the edit button on below bar and input information.

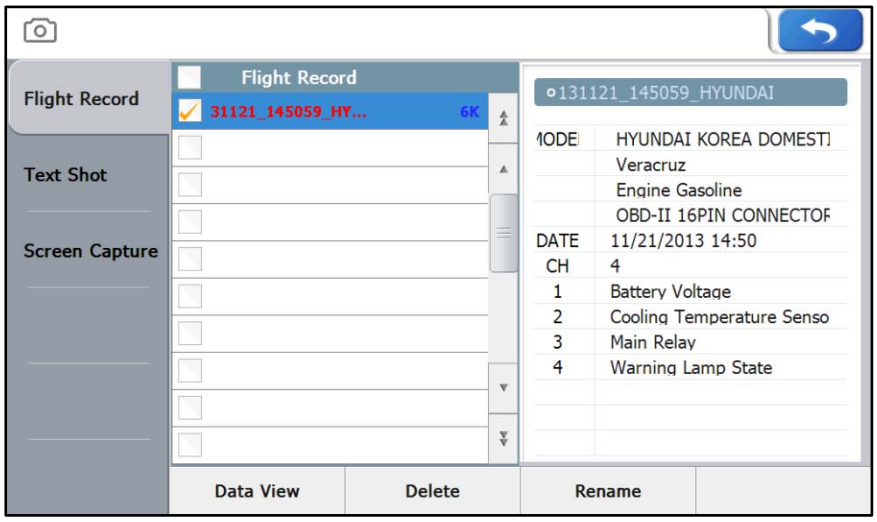
7-4. Other languages except English can be input using download program of PC.

Chapter 4: Utility

This function is to check flight records, text shots and screen captures etc.

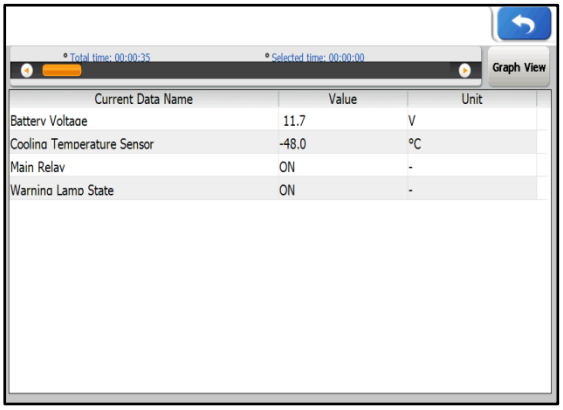
1. Flight Record

- You can save parameter data of a vehicle to analyze it. (Refer to P52)
- You can save the desired parameter data.
- This function is useful when data should be saved to diagnose an intermittent symptom.

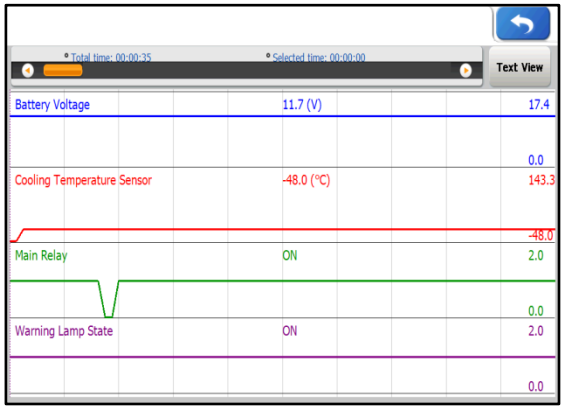


- Flight Record-

1-1. Data View: Click this button to display the parameter data only selected by the user.



-Text View-



-Graph View-

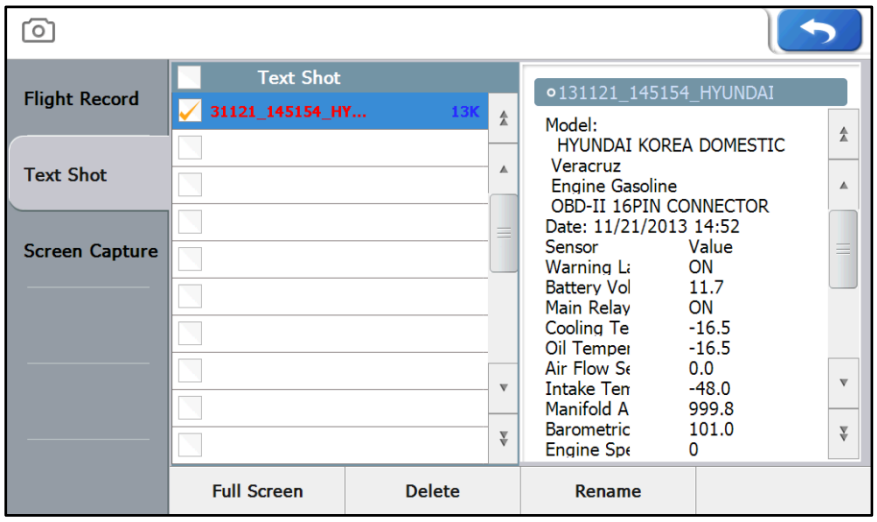
1-2. Delete: Click this button to delete the file selected by the user.

1-3. Rename: Click this button to rename the file that was temporarily set when saving the file (only in English).

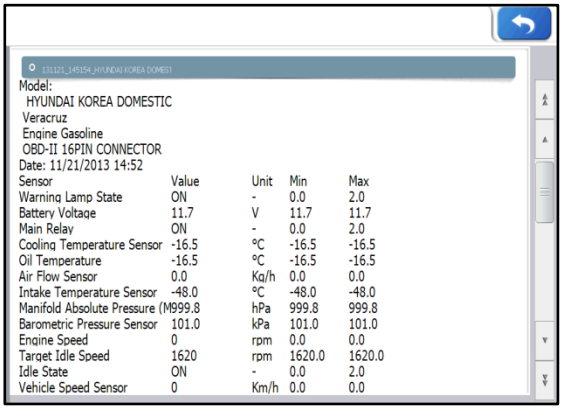
Chapter 4: Utility

2. Text Shot

- You can save a measured value you select among system error code and parameter data by choosing specific time during diagnosis. and you can use the values of specific time to analyzation.
- You can save all data at once. So, you can check whole car conveniently.



-Text Shot-



2-1. Full Screen: It shows recorded data of selected item in full screen.

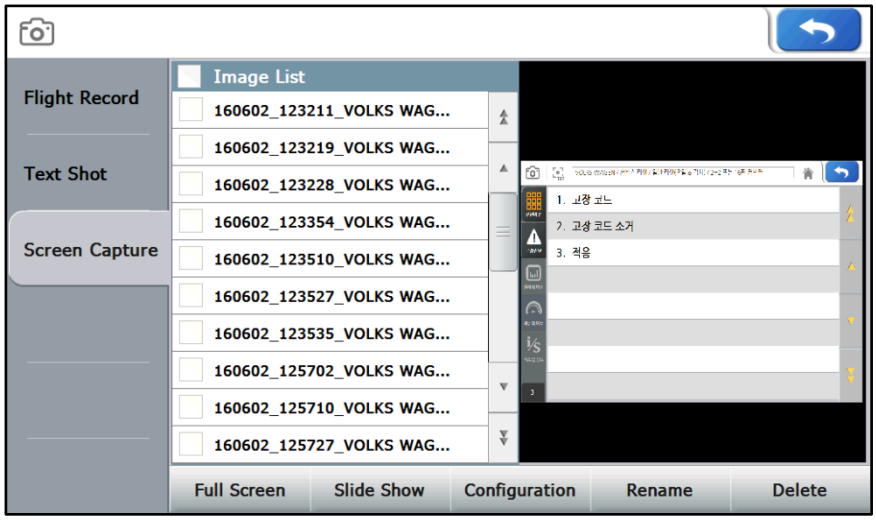
2-2.Delete: It delete a selected item.

2-3. Change filename: User can change a file name.

Chapter 4: Utility

3. Screen Capture

- Press the button on the left upper side if you need to capture screens while using.
- Conveniently, screens are saved.



- Screen Capture-

3-1.Full Screen: Press this button to show the saved files on a full screen.
Red marker function is available in the full screen mode. the Red Pen function makes a user take a note on the screen and edit it freely.

3-2.Slide Show: Select several files and press this button to display them in a slideshow.

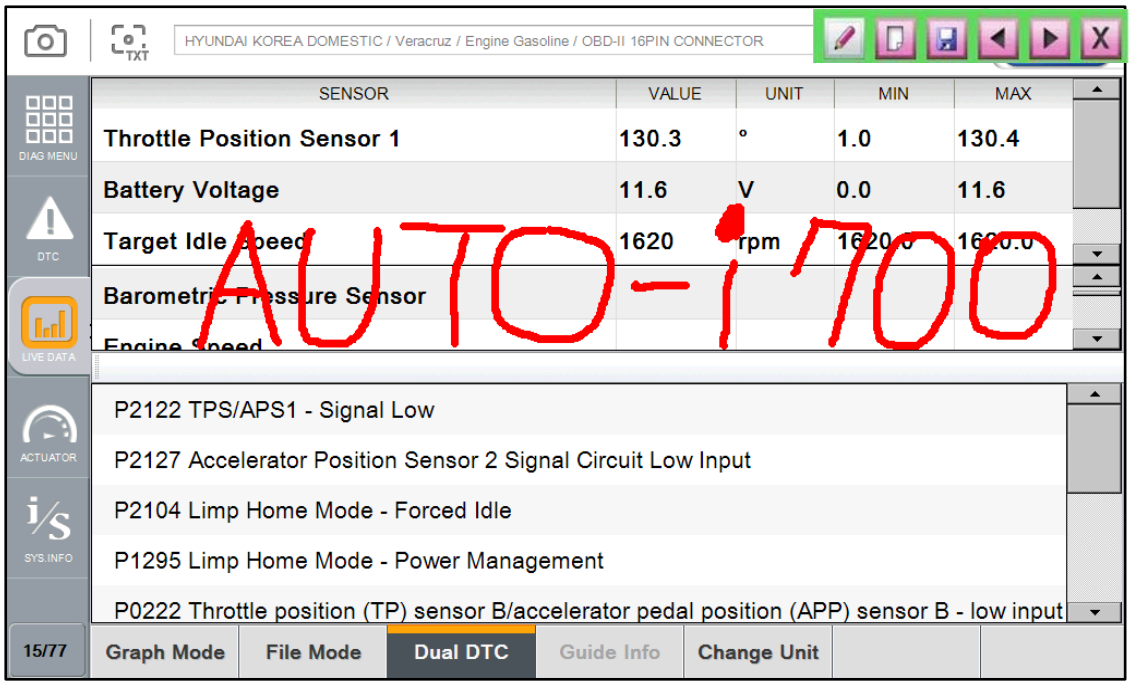
3-3 환결설정 :슬라이드쇼 관련 설정을 변경 할 수 있습니다.

3-4.Rename: Press this button to rename the file.

3-5.Delete: Press this button to delete a file.

TIP - Unnecessary buttons may not be saved in some items.

Chapter 4: Utility



-Full Screen -

Red Marker function is available in the full screen mode.

①:Press this button to activate the red marker function. Then, click on the screen and drag it to make a mark.

②:Press this button to delete all records by the red marker function before saving.

③:Press this button to save the written contents.

④:Press this button to switch to other screen if data of many items are selected. You can use the red marker function on the switched screens.

⑤:Press this button to deactivate the function.

Chapter 5:Diagnosis Menu

1. How To Connect Diagnostic Connector and Select Diagnosis Program

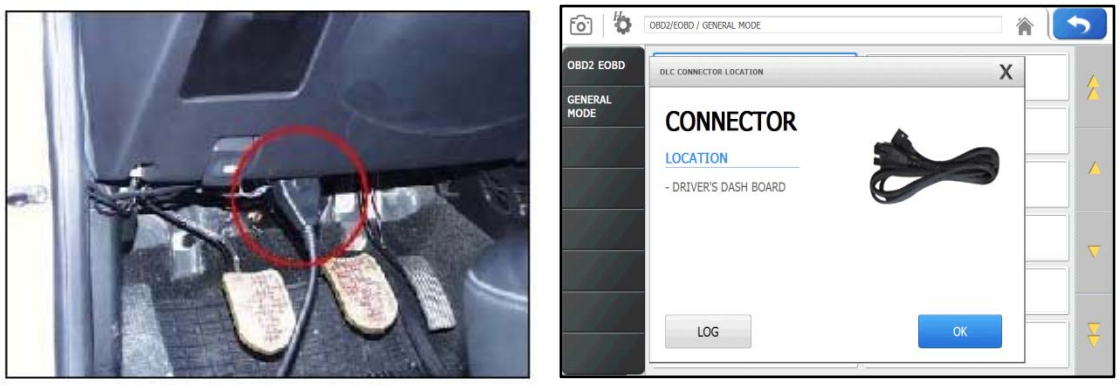
(It is common to Korean, Japanese, European and USA vehicles)

1. Locate the diagnostic connector in the vehicle.

- Most vehicles released after year 2002 conform to the OBD-II Protocol and have OBD-II diagnostic connectors.

- Most OBD-II vehicles have their diagnostic connectors on the section over the brake pedal under the steering wheel.

- If an additional adaptor is required, the scanner display shows the type of the necessary adaptor and the location of the diagnostic connector.



-Location of OBD-II diagnostic connector-

2. Use the DLC main cable to connect the vehicle's diagnostic connector and AUTO-i 700.

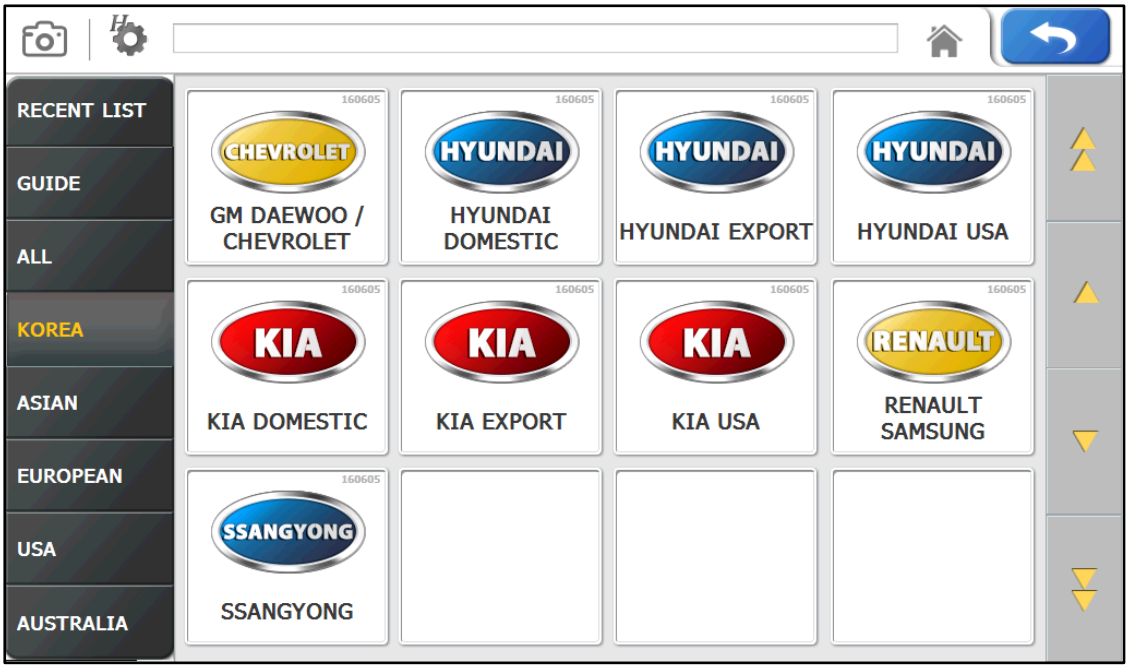
3. Turn on AUTO-i 700

-If power is not feed through the diagnostic connector and the AUTO-i 700 battery is not fully charged, you need to connect an additional power supply (vehicle battery or cigarette lighter power cable, etc.).

4. Select a kind of vehicle.

Chapter 5:Diagnosis Menu

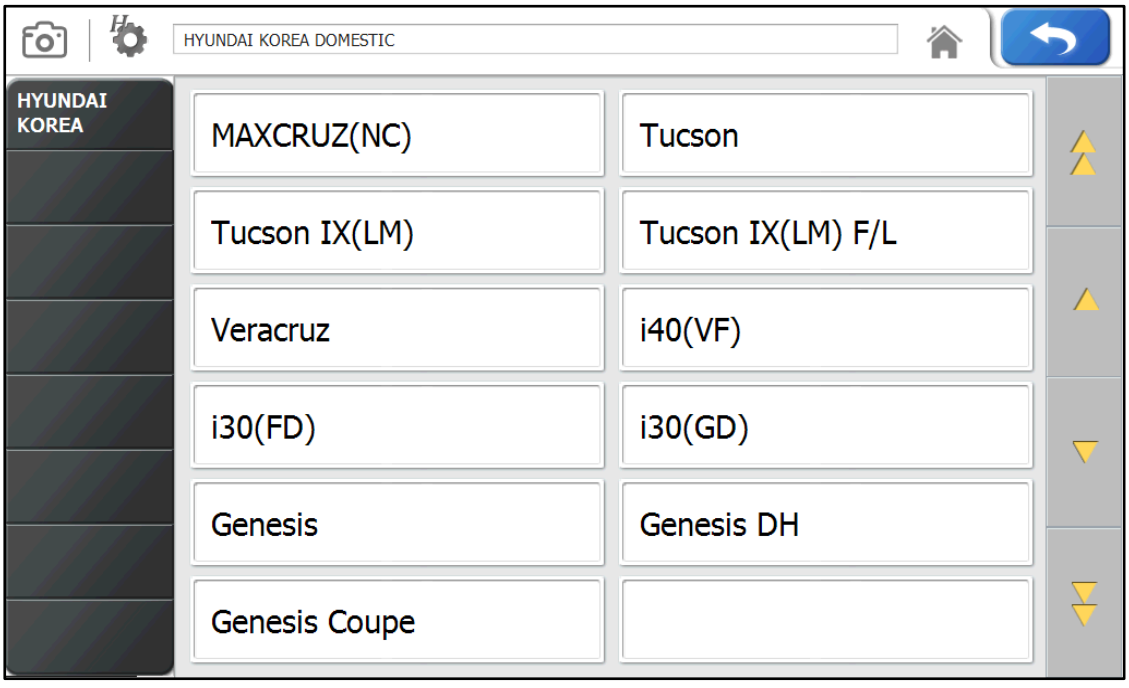
5. Select the maker of the vehicle to diagnose.



-Vehicle Maker Selection –

* RECENT LIST:Save ten latest diagnosed vehicles to simplify same procedures.
* GUIDE: Provides “Demo Mode”, “VIN Decoder”, “PIN Code Generator”, Hardware Check” functions.

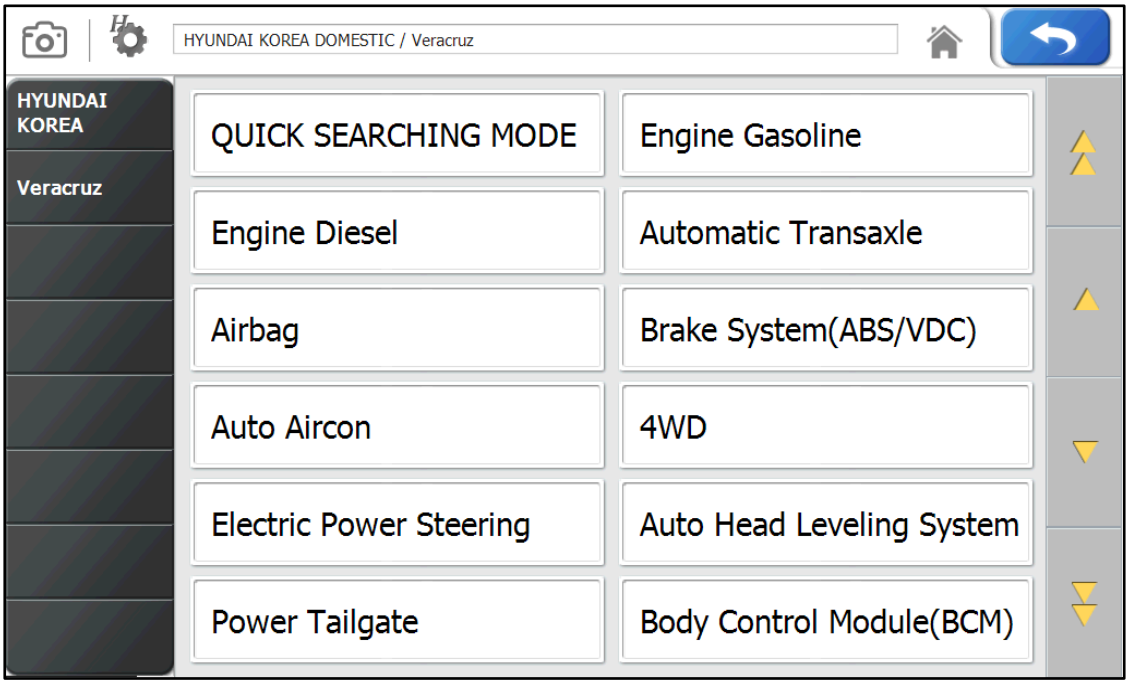
6. Select a vehicle on diagnosis menu.



- Vehicle Model selection –

Chapter 5: Diagnosis Menu

7. Select the system to be diagnose.



-System Selection-

*Diagnostic Connector Type (TOYOTA models use same connectors with Lexus models.)

1. 16-pin connector: common OBD-II connector

2. Semi-circular connector: Toyota 17-pin C-type connector

3.Rectangular connector: Toyota 17-pin R-type connector

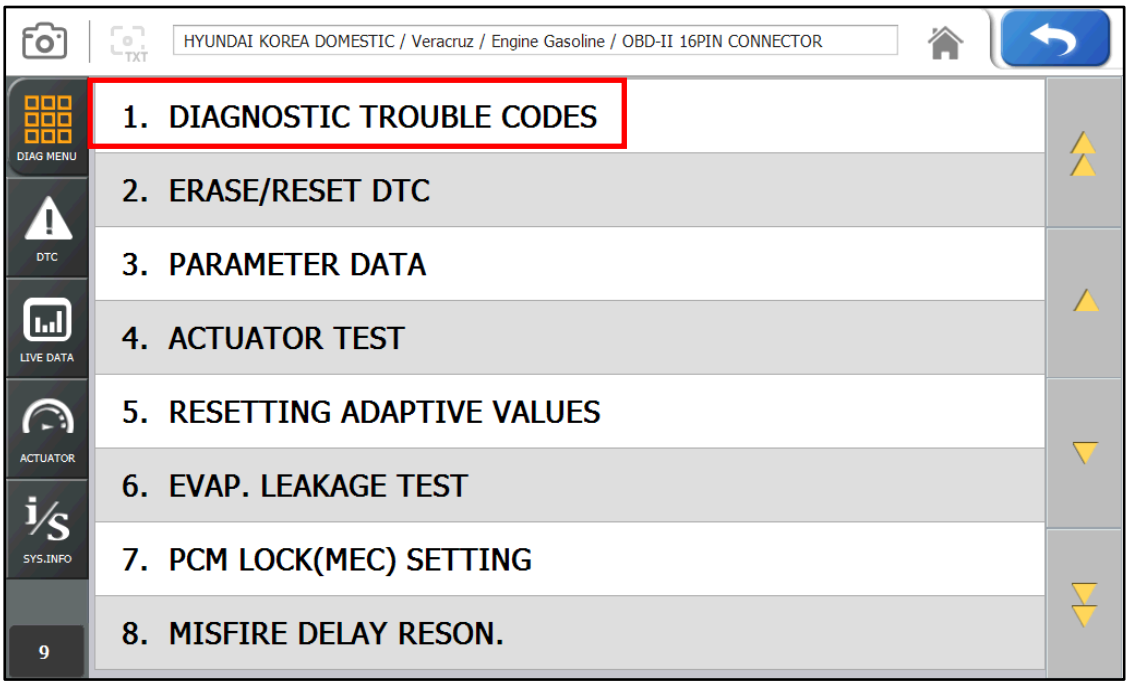
- The screen displays the vehicle diagnostic connector by a vehiclemaker.

Chapter 6:Vehicle Diagnosis

1. Diagnostic Trouble Codes

- In this menu, it is possible to check for any malfunction of the selected vehicle system through the communication with the ECU in the vehicle. As AUTO-i 700displays DTCs (Diagnostic Trouble Codes), you can easily check where malfunction occurs. Also, the description for DTCs is displayed as well to help you service your vehicle.

In order to diagnose DTC correctly, please check the connection between connector and AUTO-i 700. Please refer to Chapter5: Diagnosis menu and check details such as Vehicle maker, model and displacement etc.
The helpfunction may differ between vehicle makers



Picture 1-1 Diagnostic Trouble Codes

Note - Items of Diagnostic Trouble Codes may differ from depending on makers and models.

1. If a car and a system are selected correctly in the Vehicle Diagnosis menu and communication with vehicle is stable, the above picture will be shown.

Chapter 6:Vehicle Diagnosis

If it does not show a menu like page 43 and shows "Communication Error" or does not communicate stably, please check first status of the target car or connection of cables.

-Diagnostic Trouble Code-

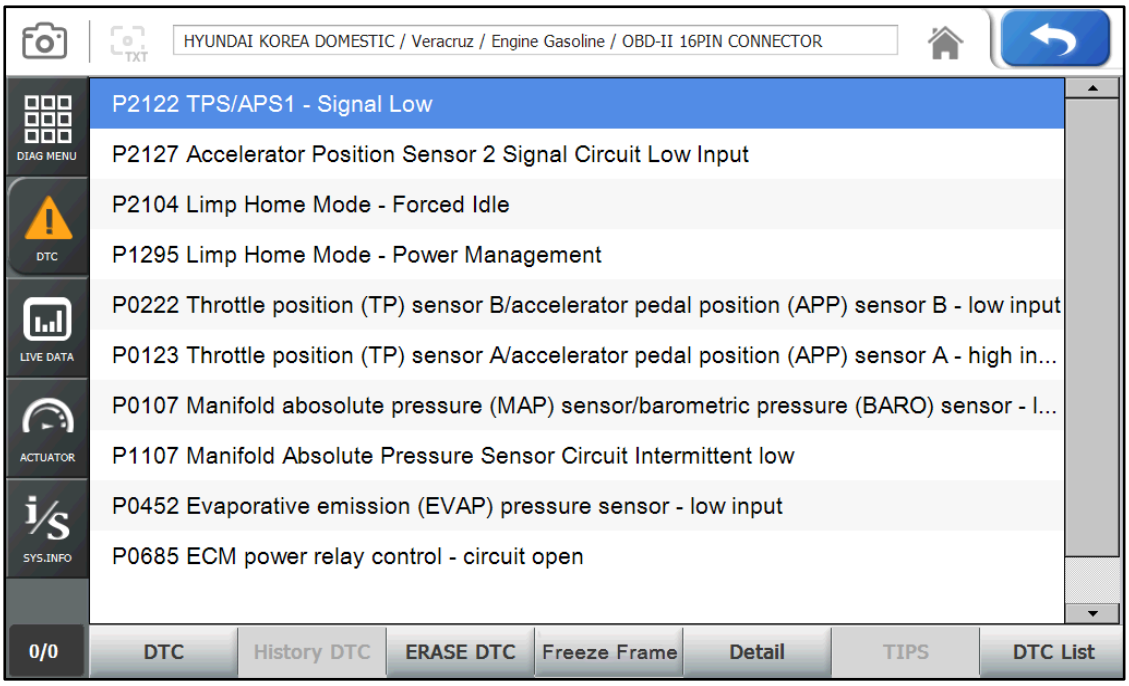
2. The DTC search screen appears. Now, you can check current and history DTCs and erase them.

-History DTCs are not activated unless there is no corresponding fault history.

-Diagnostic Trouble Codes, detected only when the list save applies, can be saved.

3. Press DTC to check current troubles.

Chapter 6:Vehicle Diagnosis



- DTC -

3-1. DTC - Press this button to check current DTCs.

- In the case of MIL type vehicle, you can check codes through the DTC list.

3-2. History DTC - Press this button to check history DTCs.

3-3. Erase DTC - Press this button to clear DTCs.

3-4. Freeze Frame - Press this button to check data at that moment of malfunction.

3-5. Detail - Press this button to display detailed information for DTCs.

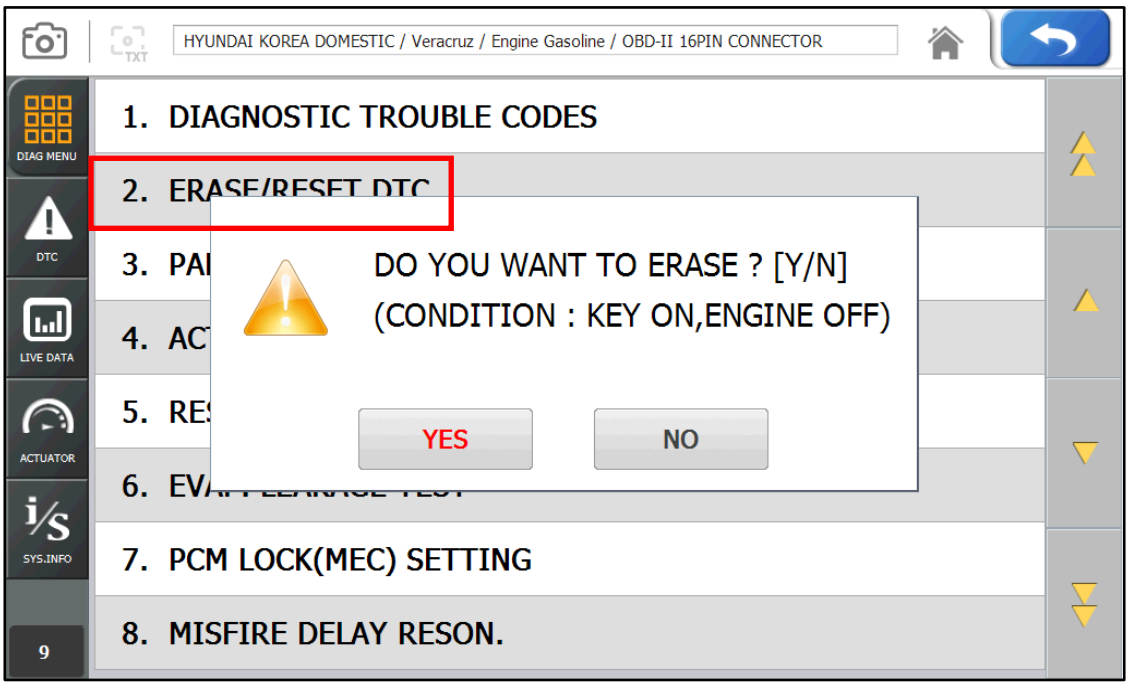
3-6. Recheck - Press this button to check for DTCs again.

- The module checks the ECU information again for DTCs.
- Press [DTC] and [History DTC] buttons again.

Chapter 6:Vehicle Diagnosis

2. Erase/Reset DTC

1. If you select a car and a system correctly on the menu and if communication with a car works successfully, it shows the DIAG MENU like a picture below.
   Press the ERASE/RESET DTC button.



-ERASE/RESET DTC-

2. You can see "Yes" & "No" buttons. If you choose the YES button, the DTC is deleted. If you choose the No button, it returns to previous step.

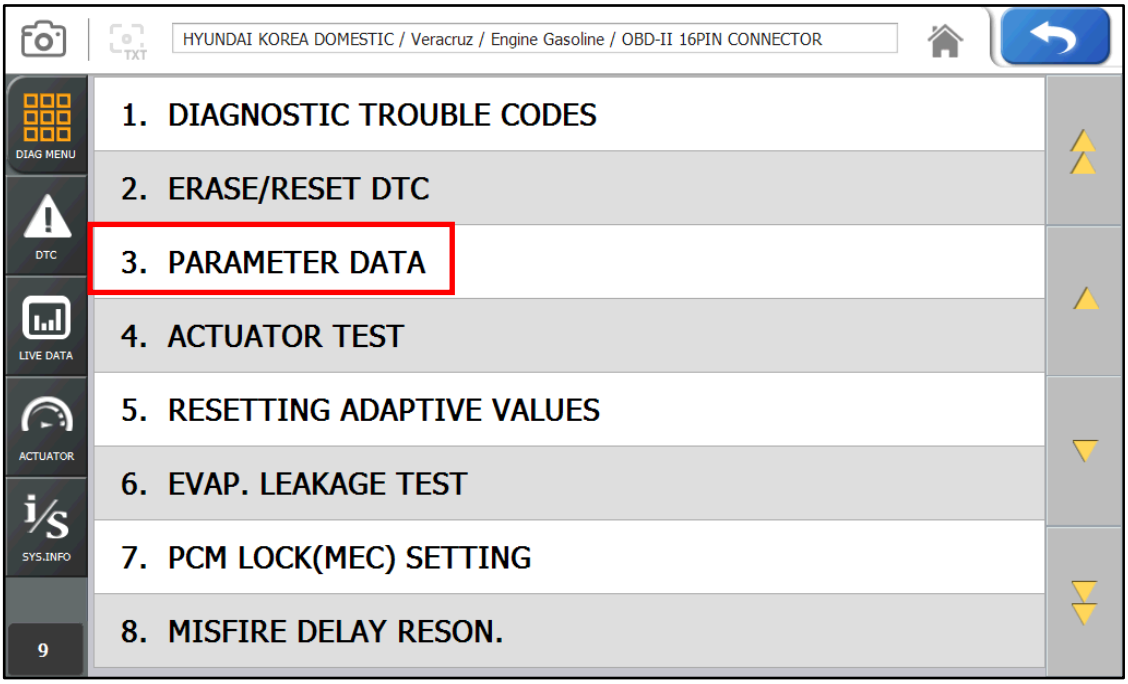
There are current and historyDTCs.When trying to clear history DTCs, they are cleared immediately and they are not set again. However, when trying to clear current DTCs, they are cleared for a short period of time but they are activated again.In this case, clear DTCs again after checking and repairing malfunction parts for the corresponding DTCs

Chapter 6:Vehicle Diagnosis

3.Parameter Data

- In the PARAMETER DATA menu, the module can communicate with the vehicle ECU to check data and control values of each sensor of the selected system and to check conditions of various switches and actuators.

It is important to select the vehicle specifications correctly for accurate parameter data measurement. Make sure to set the vehicle displacement, manufactured year, fuel, etc. correctly.
The parameter data list can differ evenwith the same vehicle models



-Parameter Data Selection -

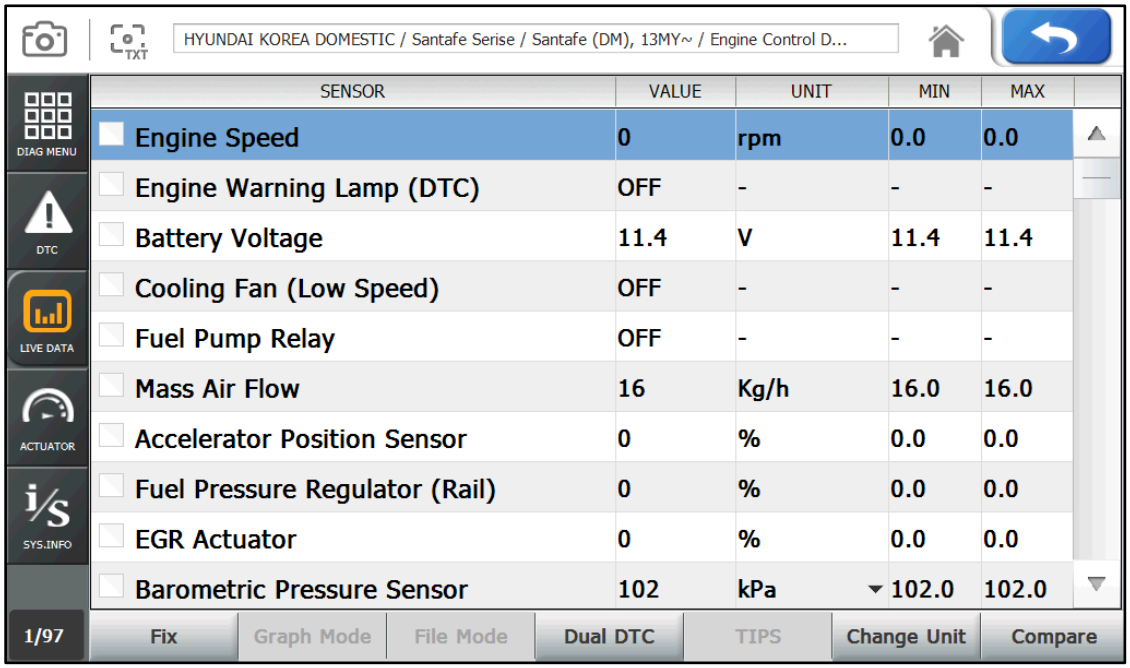
NOTE) The menu for Parameter data selection, shown in the above picture, can differ by vehicle makers and models.

1. When selecting the correct vehicle model and system from the menu and communication with the vehicle is properly established, the menu appears as the picture above.
Select Parameterdata and press the ENTER key

If the message indicating a communication error is displayed instead of the menu like the figure above or communication cannot be established, check the vehicle condition and the connection status of the diagnostic connector again.

Chapter 6:Vehicle Diagnosis

2. The Parameter data list is displayed as shown in the below picture.



-Parameter Data--

Graph mode: Press this button to check parameter data in graphs..

- Press this button to check parameter data in graphs.It is helpful to convert the current vehicle data to graphs for tendency analysis. (Up to 30 items can be selected while up to 8 graphs can be displayed at a time.)
- To convert parameter data to graphs, such data are need to be fixed. Then, only these fixed data change.

File mode: Press this button to save parameter data or check the saved files.

-Data are stored in the internal memory and they can be stored synchronized with your PC.

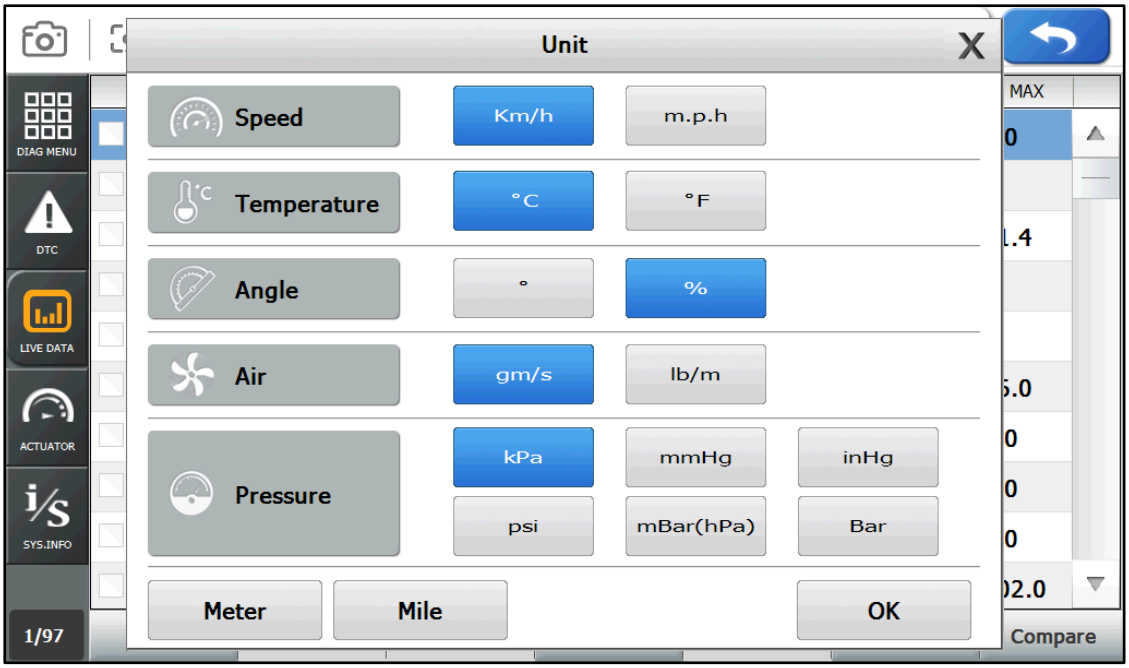
Dual DTC: Press this button to display DTCs at once.

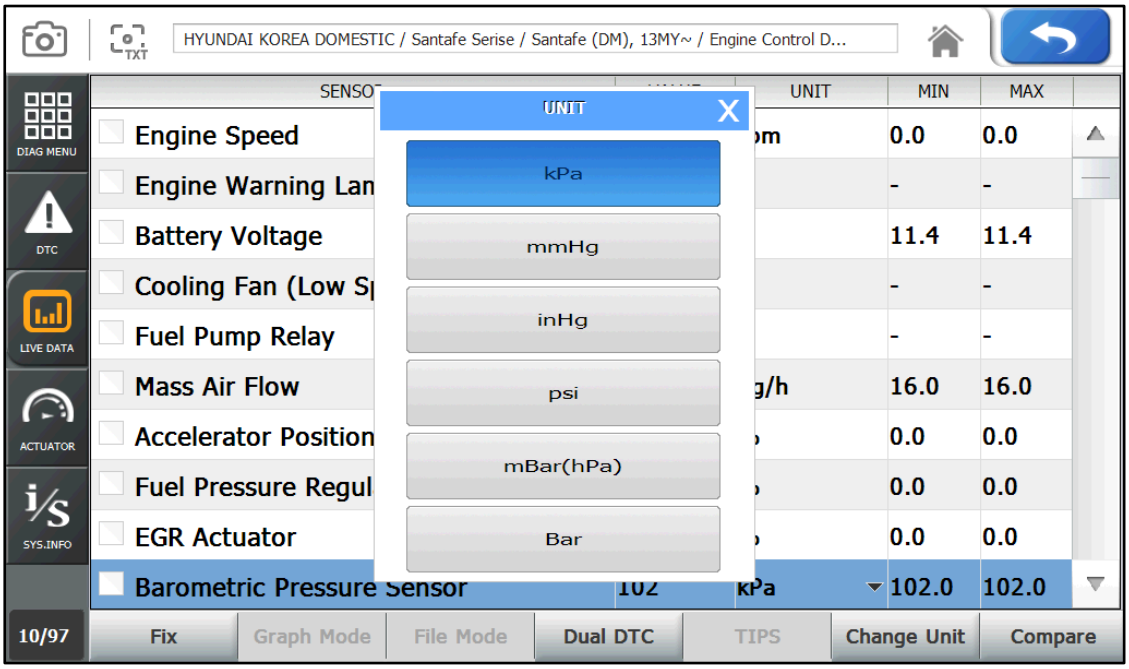
Guide Info: If the selected system has help information, this button is activated. Then, press this button to display information. (Later, it will be supported.)

Chapter 6:Vehicle Diagnosis

Unit Conversion: You can change the unit of data that is expressed when communication withthe vehicle.

- The unit of speed, temperature, angle, pressure can be confirmed or changed.
- Press "▼" button next to the unit, you can also change each of it.





Chapter 6:Vehicle Diagnosis

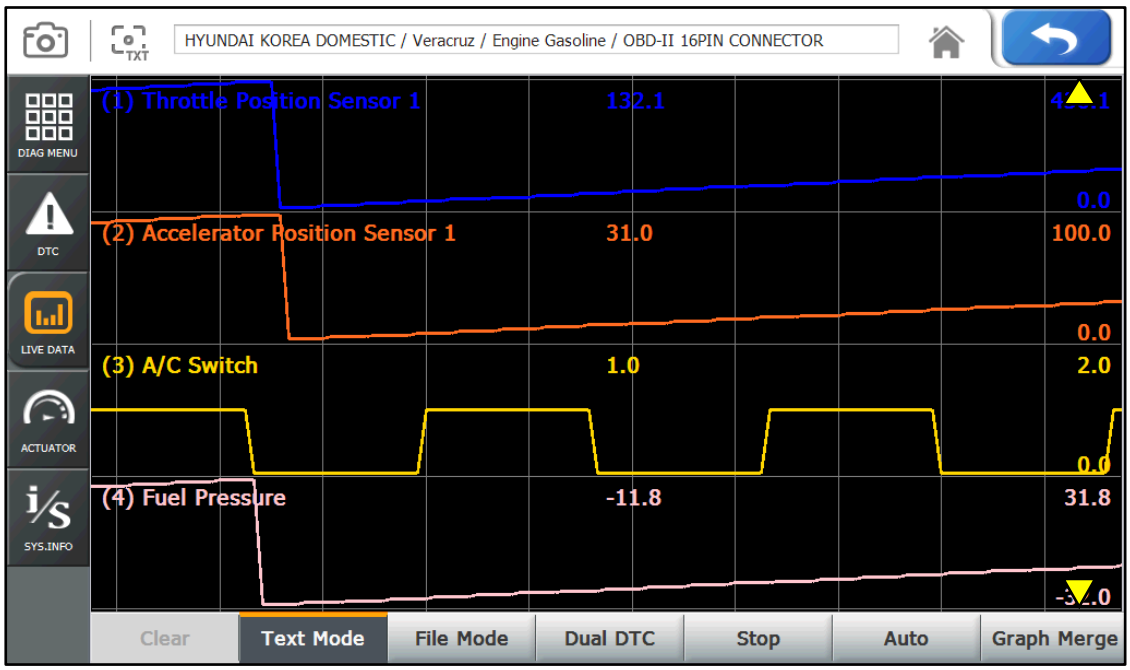
1) It is possible to change the display units all at once according to the region that uses“Metric” or “Yard-Pound” system.
2) After changing the display unit, click the Save button to save your modification.

- SPEED: You can change between Km/h and MPH.
- TEMPERATURE: You can change between ℃ and ℉.
- PRESSURE: You can change among Bar, mbar, kPa, inHg and psi.
- ANGLE: You can change between ° and %.
- AIR FLOW: You can change between gm/s and lb/m.

Chapter 6:Vehicle Diagnosis

If you use the fix function, values are changed only for the fixed items so you can measure changed values faster and can diagnose more precisely.

- Graph Mode:This function is to check parameter data in graph forms for tendency analysis.



-Graph Mode-

- Text Mode: Press this button to switch to the text mode..
- File Mode: Press this button to save data and check saved files.
- Dual DTC: Press this button to check DTC and parameter data at the same time.
- Stop: More accurate failure analysis is available at any point in time
-Auto: Press this button to reset graph based on the maximum and minimum values from ECU.
- Graph Merge: Press this button to merge each graph.
- up(△),down(▽): In the graph view mode, up to 4live data can be displayed at a time. If the number of parameter data displayed on the screen at a time is set to less than 4, the remaining parameter data are displayed in the list on the bottom.

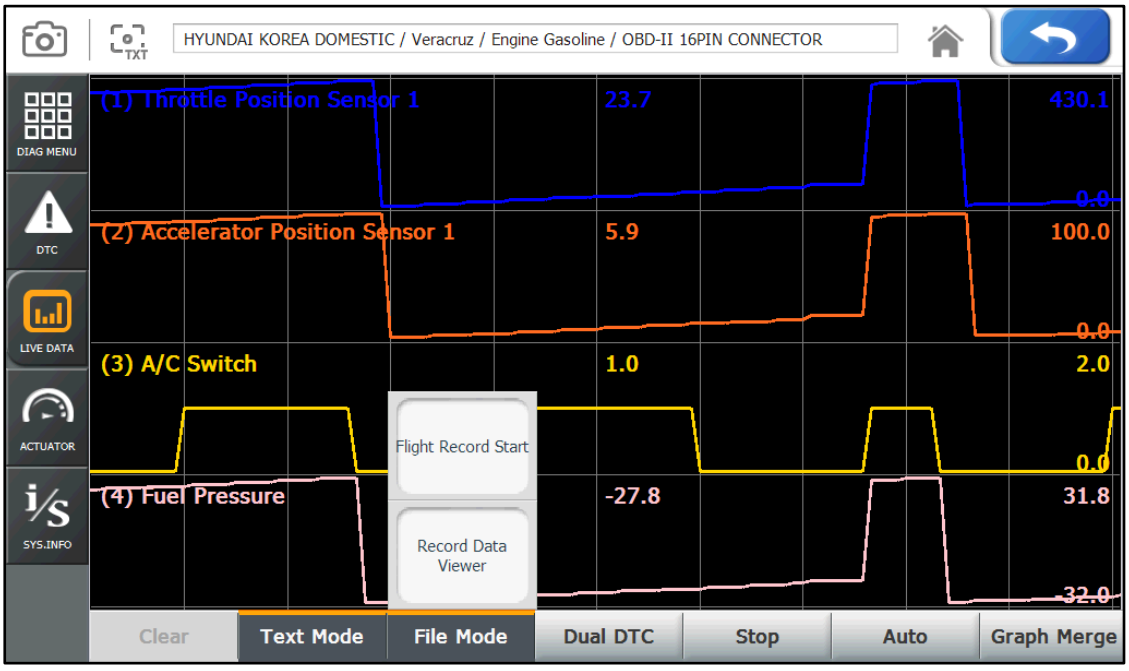
- Reset: Press this button to initiate the Graph View.

Chapter 6:Vehicle Diagnosis

- Stop: More accurate failure analysis is available at any point in time

Using the cursor appears in a still image, you can see the value of the target area.

-File Mode: Press this button to save data or check the saved data.



Flight Record Start: Press this button to start to record the selected parameter data.

-The data can be recorded for up to 1 hour and the recording time can vary depending on the number of the selected parameter data.

(When the recording operation is performed for 1 hour, it stops automatically.)

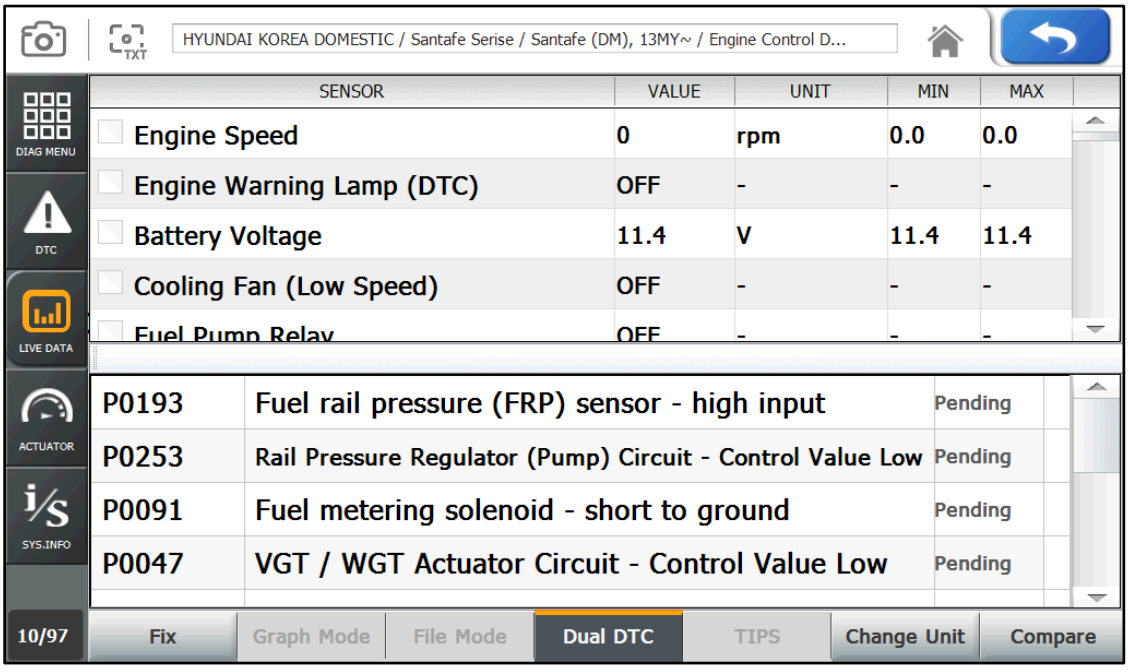
Chapter 6:Vehicle Diagnosis

Only selected Flight record data by user is saved.
On the other hand, if a user selects some list, only the selected list is saved but if a user select nothing, all list is saved.

Record Data Viewer: Press this button to check or search for the stored file

- The screen displays the Record Data menu pane where you can check the saved data through the flight record list.
- For the flight record, text shot, screen capture and gas analyzer functions, refer to Chapter 4. Record Data.

- Dual DTC: The upper half of the screen displays the parameter data while the lower half of the screen displays the DTC list.
if there is any DTC, the corresponding parameter data can be checked for comparison.



- Dual DTC -

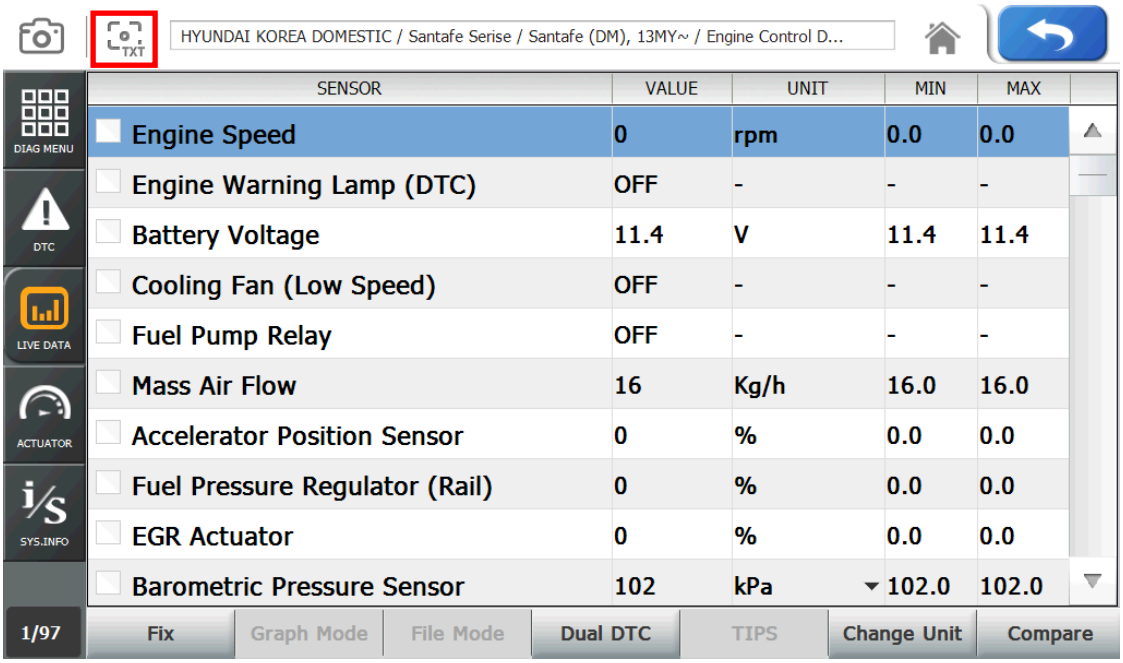
- Press the DTC list button to exit the dual display mode and return to the Record Data Viewer.

In the Dual DTC mode, Press the Text shot button to save DTC and parameter data.

Chapter 6:Vehicle Diagnosis

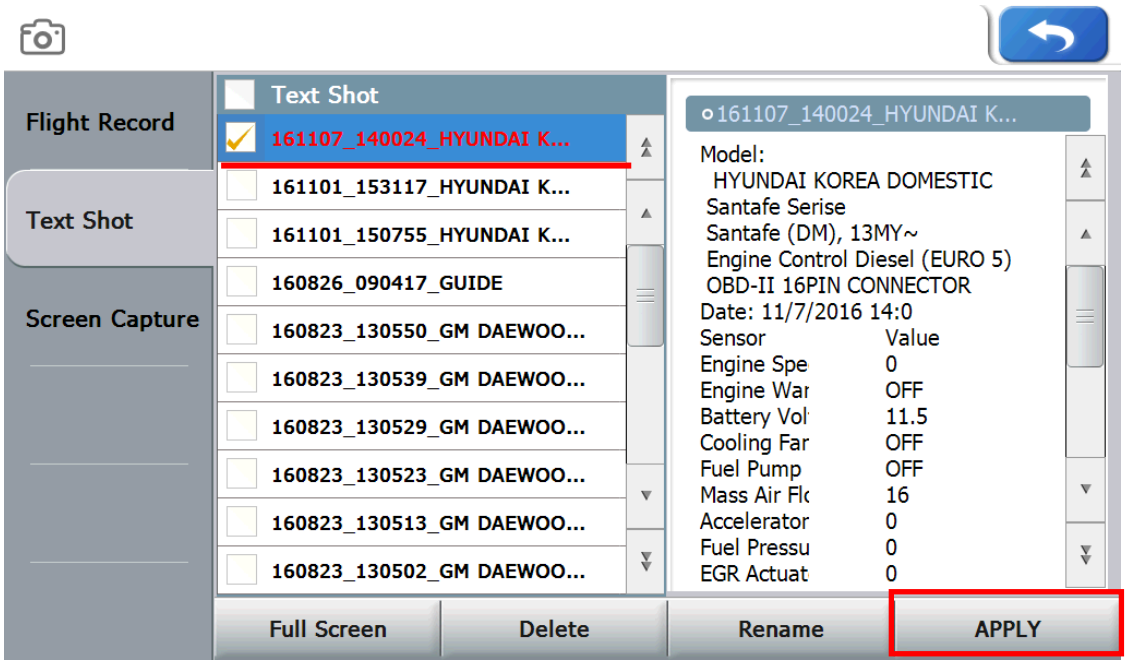
- Compare :Based on the reference sensor data (normal vehicle) and the current vehicle sensor data value, the comparison is made using the maximum and minimum values of the reference vehicle.

- Saving reference sensor data :Save sensor data by existing text shot button.



-Saving reference sensor data-

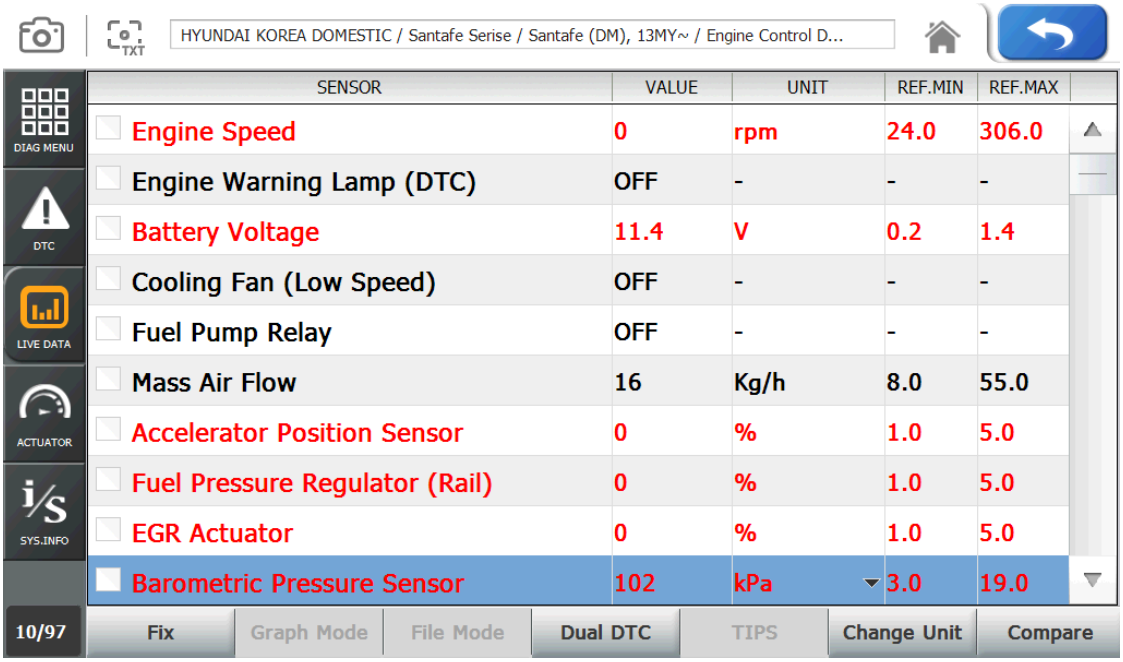
- Load comparison data: In the sensor data screen, press the comparison value button to select the comparison data. Click Apply to apply the comparison data



-Apply comparative data-

Chapter 6:Vehicle Diagnosis

- Comparison of sensor data: When a value outside the reference range, it is displayed in red.



-Apply comparative data-

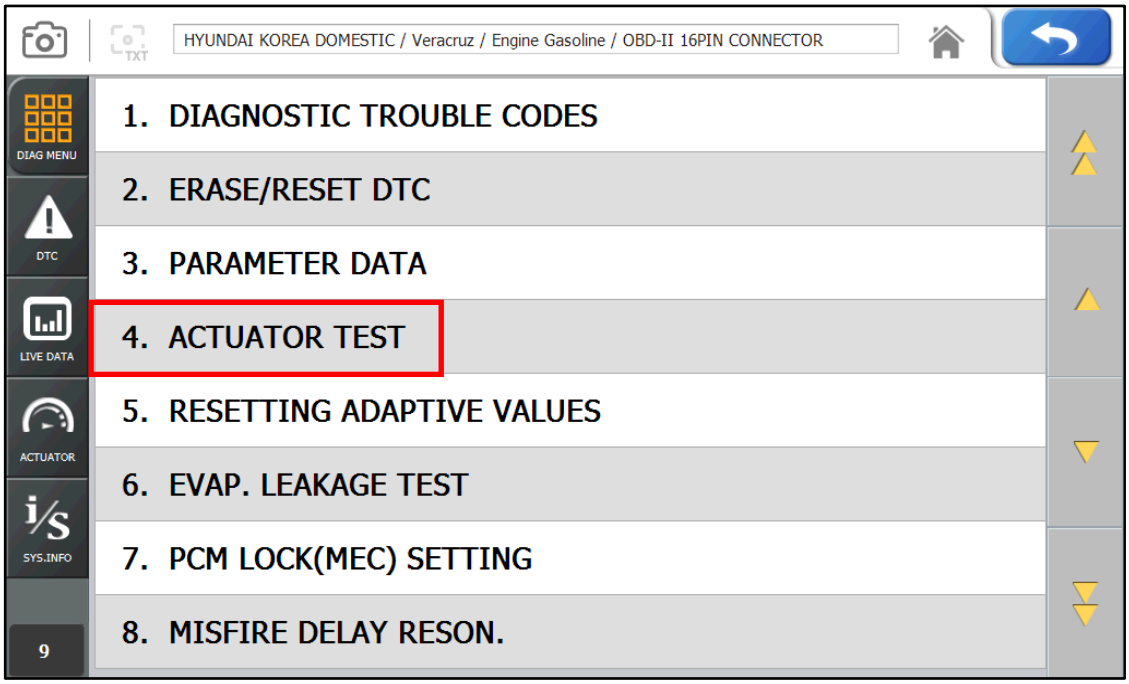
※ The value displayed from the comparison value may be different from the reference value range of actual sensor. Please use for reference only.

Chapter 6:Vehicle Diagnosis

4. ACTUATOR TEST

- In this menu, you can start and stop actuators and switches forcibly to diagnose them.

- The actuation function is available depending on vehicle makers and models.



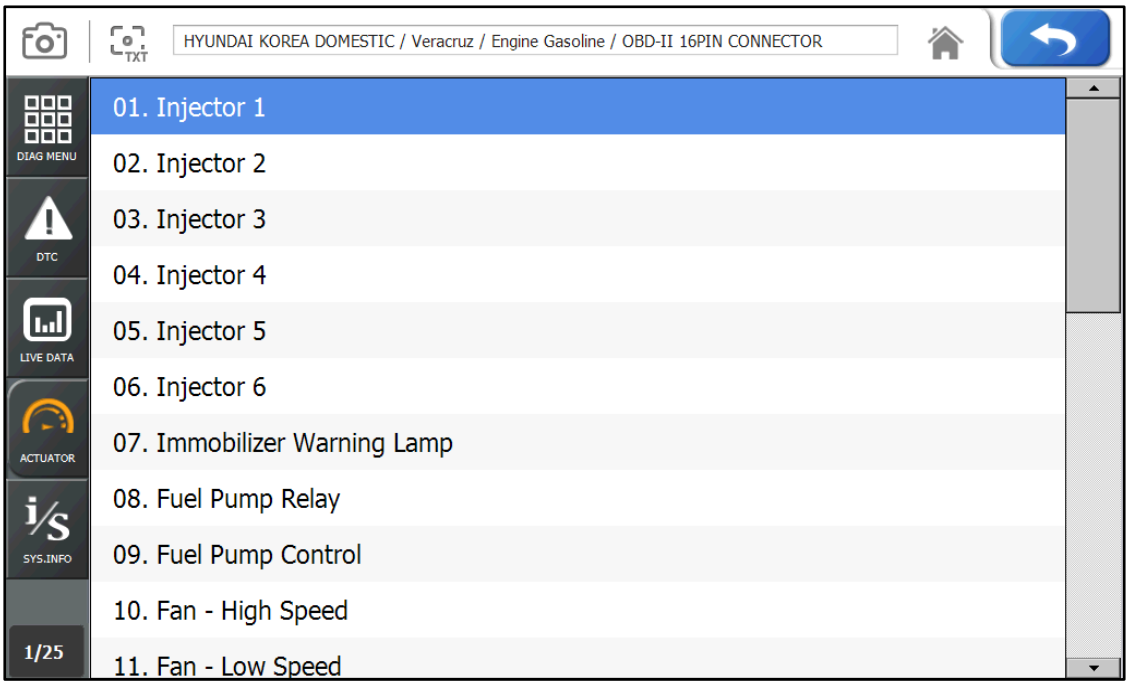
- Actuator Test-

1. If a car and a system are selected correctly in the Vehicle Diagnosis menu and communication with vehicle is stable, the above picture will be shown Select a Actuator Test.

If above picture is not shown, the communication error appears or communication does not work, check again the status of vehicle and connection of cables for diagnosis.

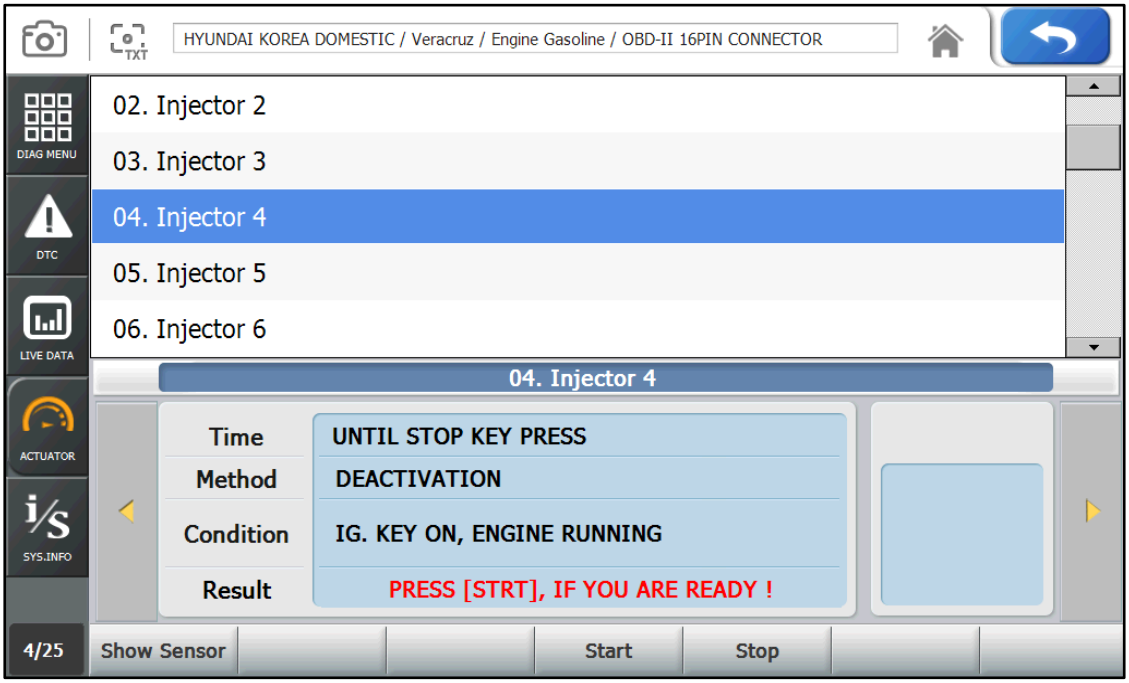
Chapter 6:Vehicle Diagnosis

2. The screen as below appears.



-Actuator-

3. Press the start button after selecting a item.

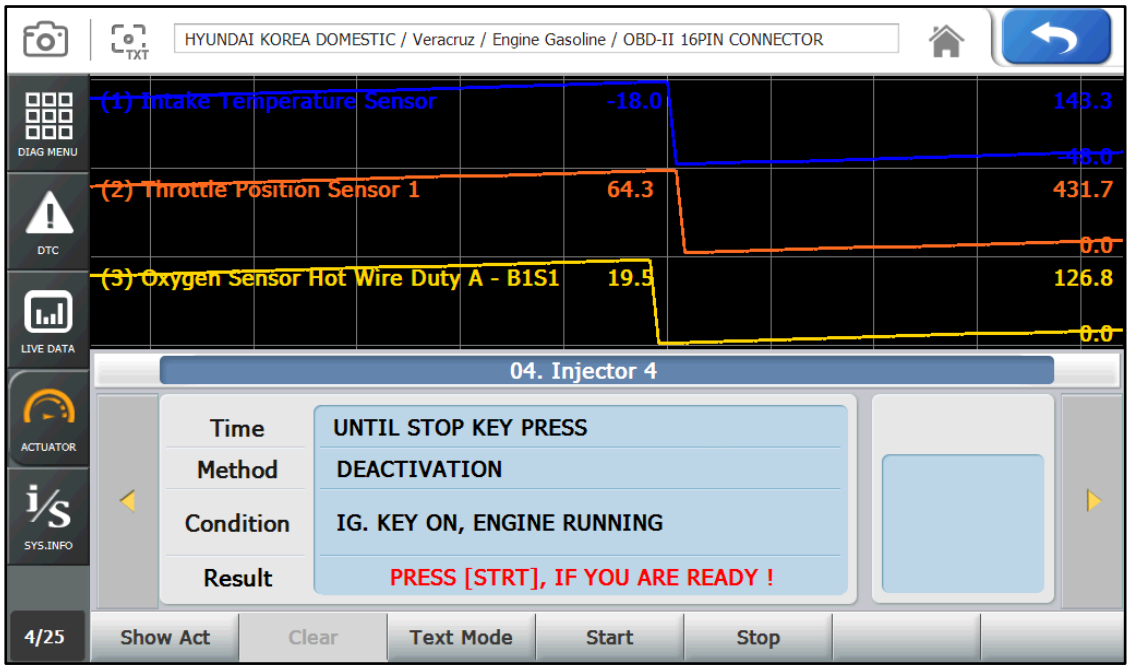


- Figure 3-1 Actuator Start & Stop –

Chapter 6:Vehicle Diagnosis

- Before starting actuation, make sure to check the operating condition to inspect the system in the proper condition.
- The actuator time differs by the actuated items.

4. Press the Stop button to stop the actuator function.
   - Press this button to stop the actuator function during diagnosis.
   - Press the arrow button on the right top corner of the screen to stop the actuator function too.



- Actuator graph mode -

5. In the figure 3-1, Press Show sensor button to see parameter data. After selecting a parameter data, Press the graph mode button to change data value to a graph.

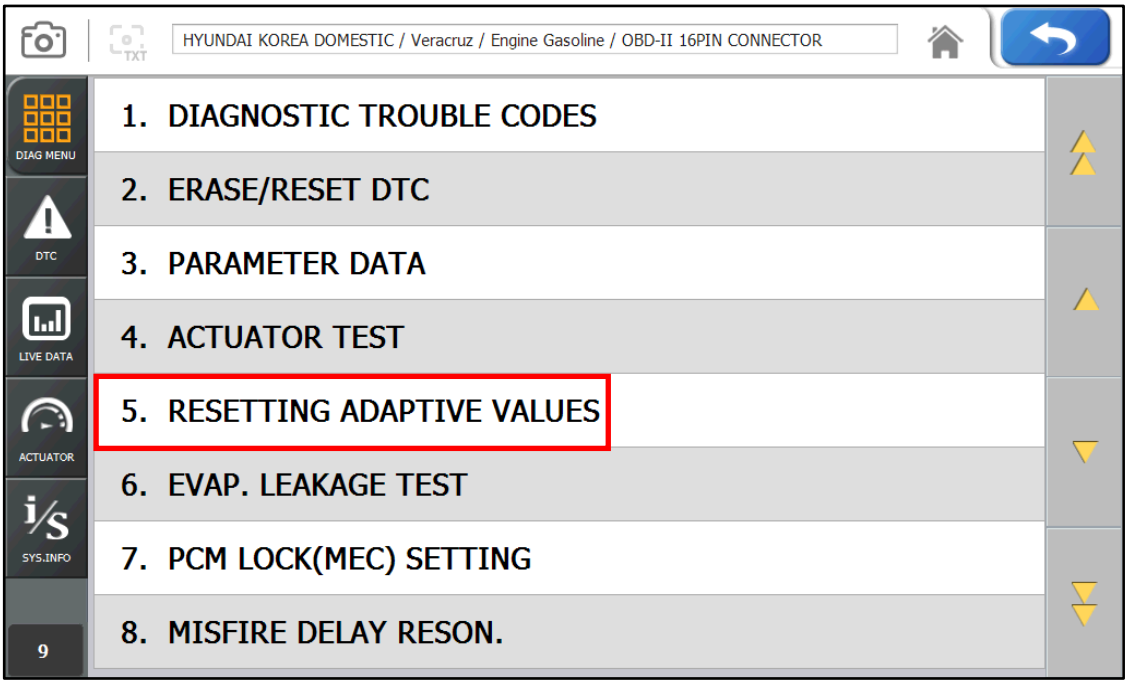
The actuation result is judged by noise from the running actuator or switch and vehicle RPM change.
Therefore, it is recommended to perform the actuation test in a quiet area and use parameter data values as a reference.

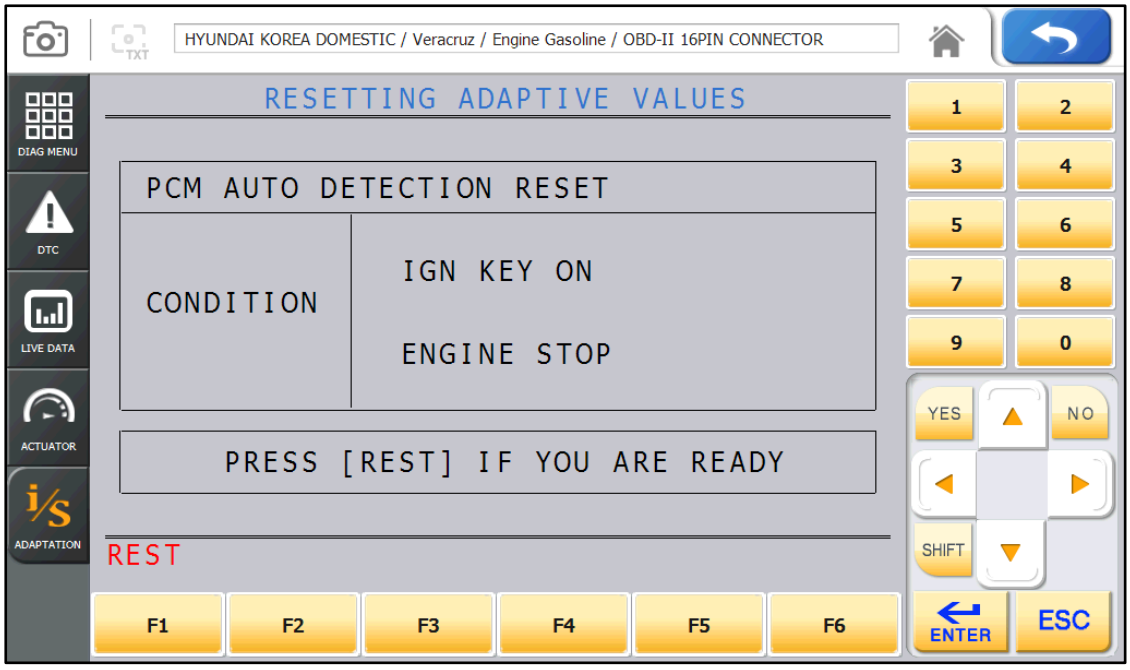
If target system does not support parameter, actuator and dual display, it supports items of actuator without items of parameter.

Chapter 6:Vehicle Diagnosis

5. Resetting Adaptive Values.

- The resetting adaptive values initiates ECU by clearing values of sets in ECU.
  - The clearing learning values may be different depend on car makers and models.

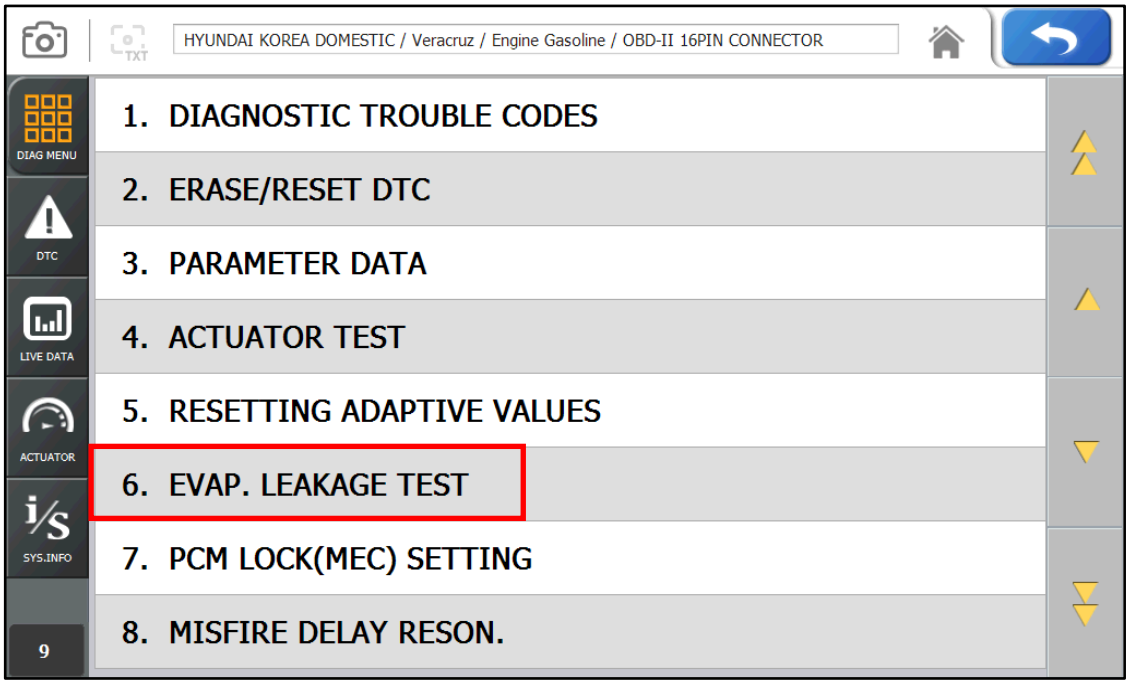


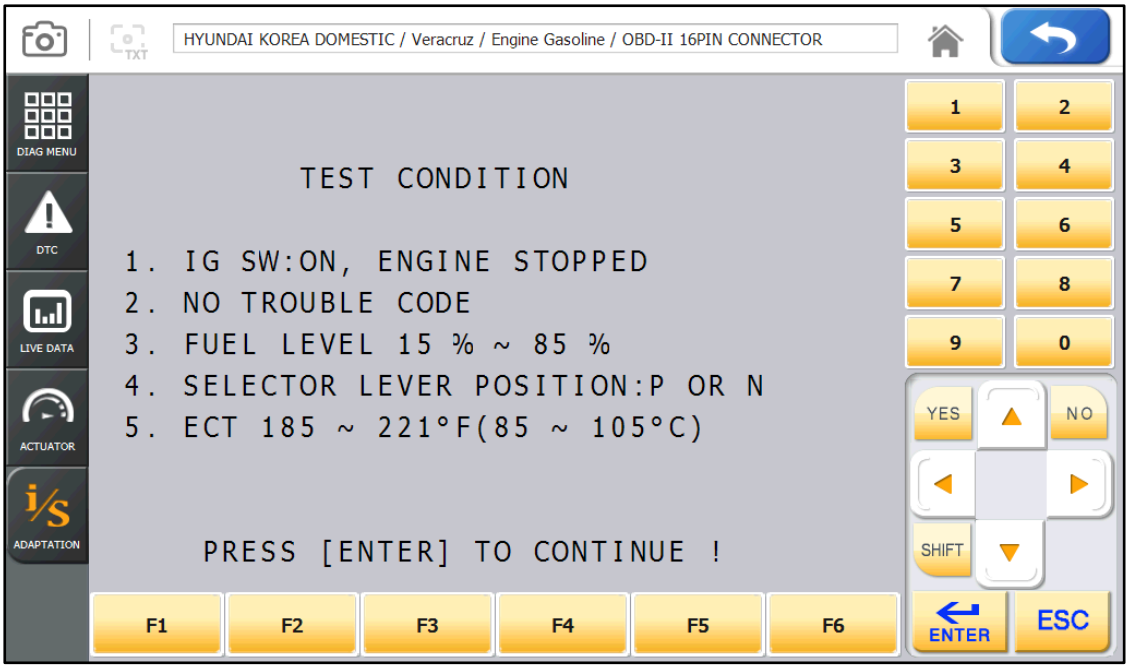


Chapter 6:Vehicle Diagnosis

6. Evap. Leakage Test

- Press this button to check if there is leakage from a oil tank.

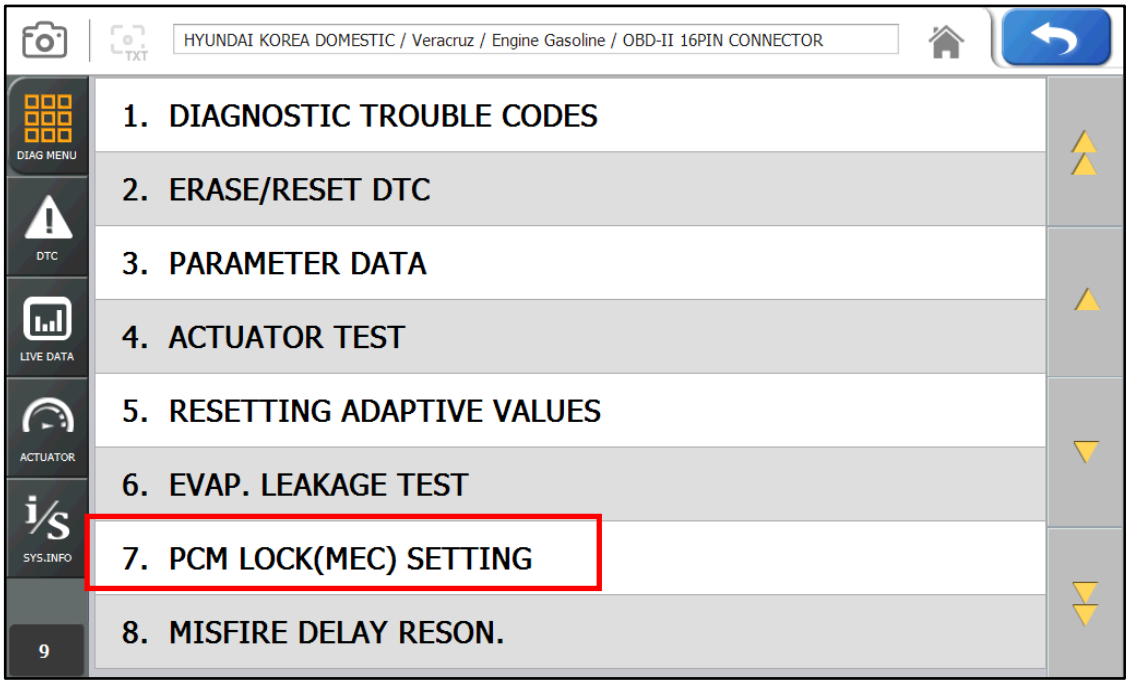


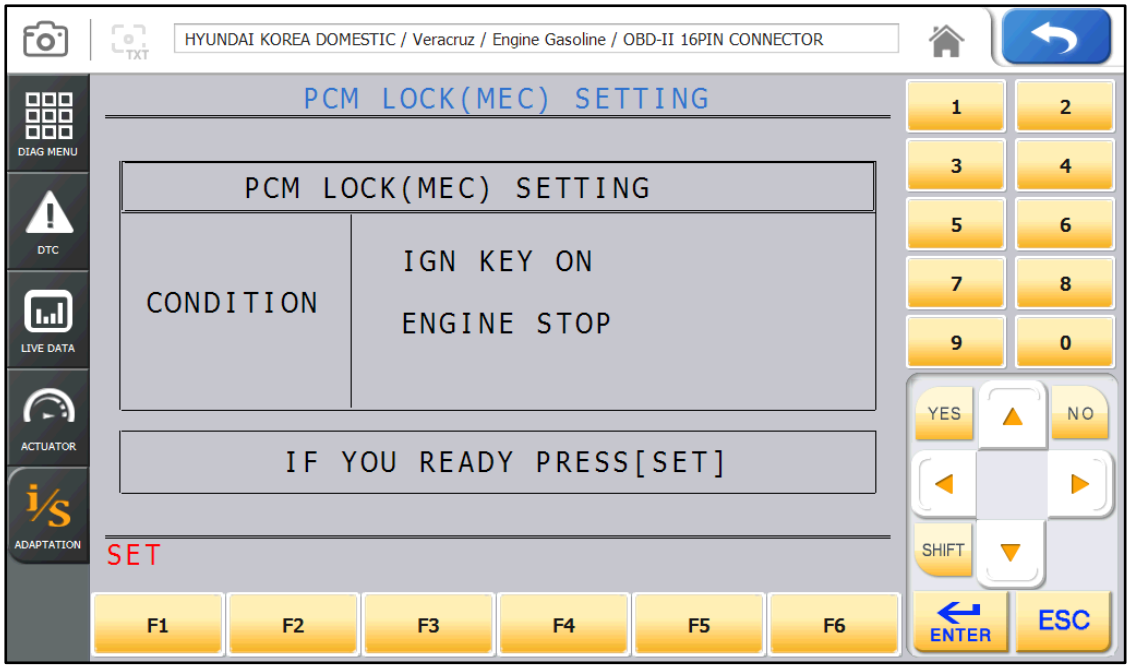


Chapter 6:Vehicle Diagnosis

7. PCM Lock(MEC) Setting

- This function is to prevent data or programs from adjustment.
- System information differs from depend on car makers and models.

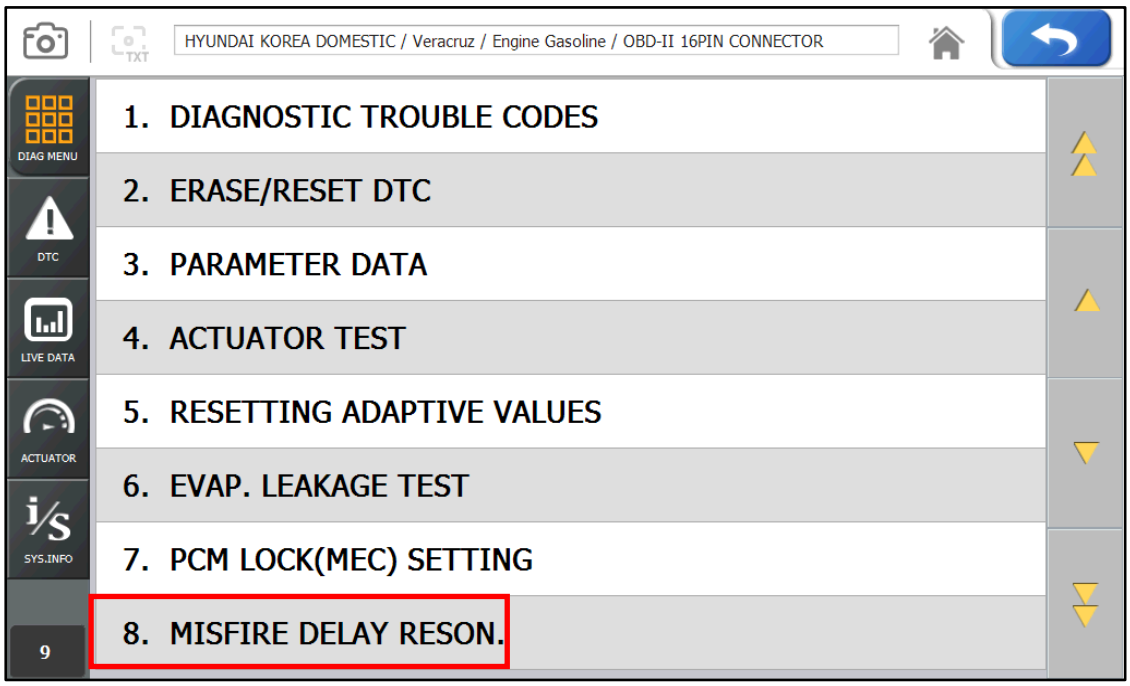


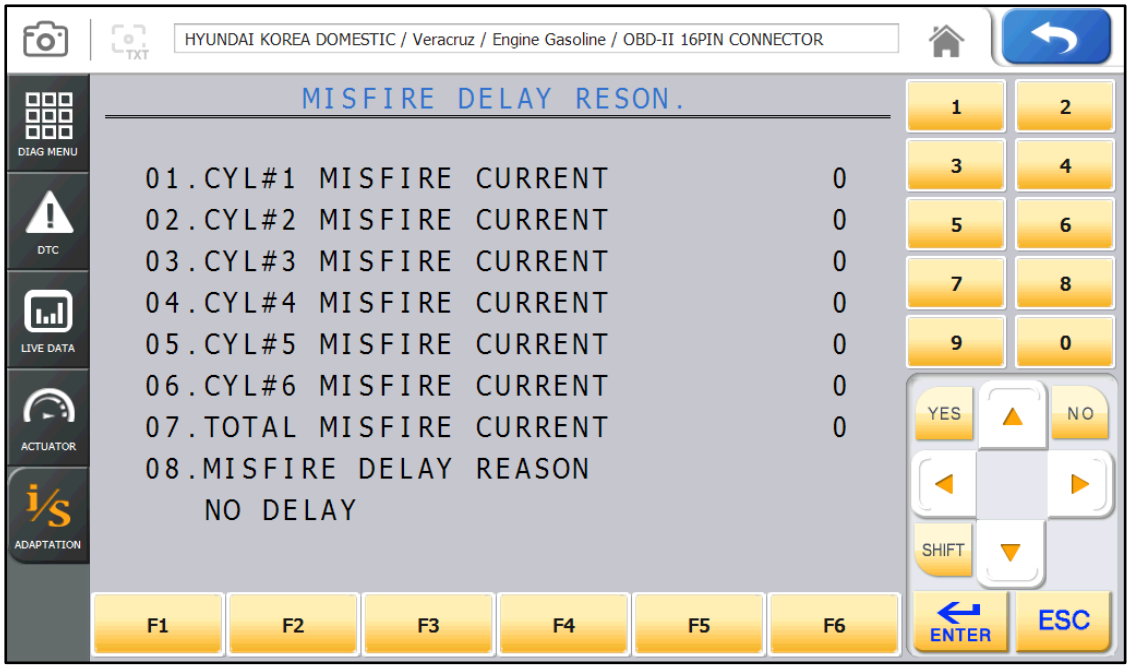


Chapter 6: Vehicle Diagnosis

8. Misfire Delay Reason

- This function is to check the number of misfire in each cylinders.
- System information differs from depend on car makers and models.



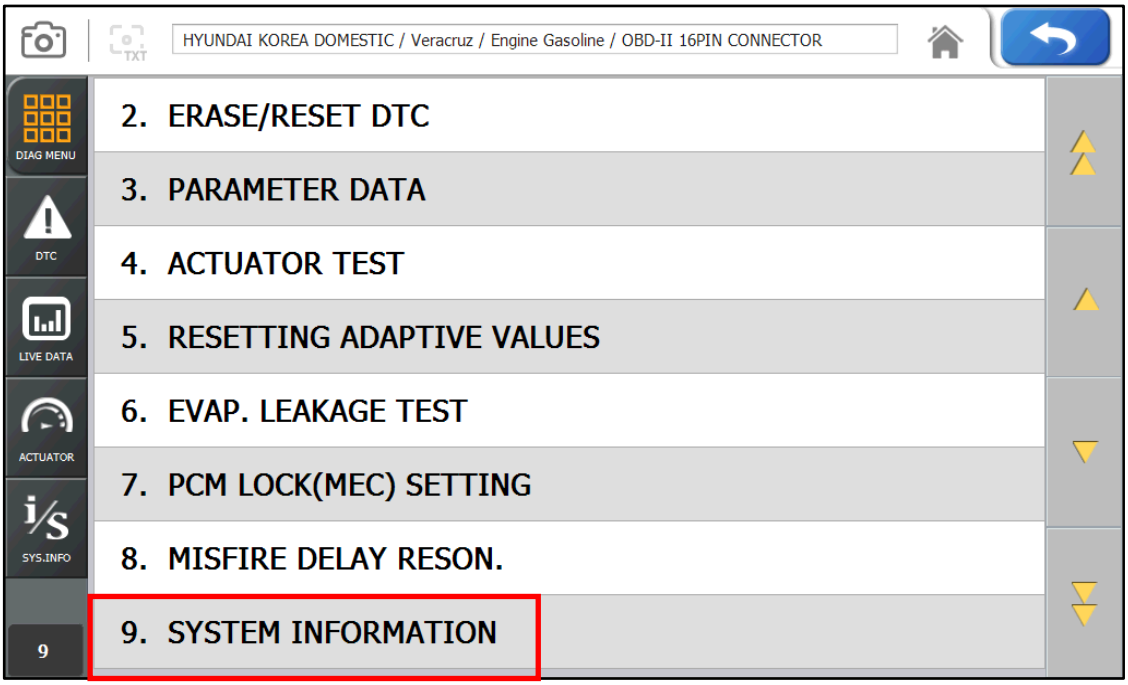


Chapter 6:Vehicle Diagnosis

9.System Information

-System Information shows information related with system such as system model and software version etc.

- System information differs from depend on car makers and models.



Chapter 7: OBD-II/EOBDDiagnosis Menu

1. OBD-II/EOBDOverview

■ Purpose ofOBD-II/EOBD

- OBD-II/EOBDis intended to find what caused the emission to increase, diagnose the part of thecause and light the warning lamp in order to provide faster and more precise repair.

■ OBD-II/EOBDRegulations

- If emission increases due to defected parts, diagnose components and cause, and turn on the Malfunction Indicator Lamp (MIL).
- Trouble information shall be read by the standard diagnosis tools (GST).

■ OBD-II/EOBDRegulations《 Major Check List 》

The warning light shall be on before the emission reaches 1.5 times of the permissible limitdue to any of the following troubles or performance degradation.

- Catalyst purification rate (this diagnosis is for HC emission only. This is being phased in for 1.75 times of HC limit from TLEV), misfire, EGR System, O2 sensor and fuel system secondary air system

- Diagnose all sensors and actuators used for controlling the engine to see if they function properly as well as wirings for an open/short circuit.

- Diagnose the entire evaporation system to see if it leaks.

- Perform diagnosis when the PCV valve and the crankcase or the PCV valve and the intake manifold are disconnected.

- Diagnose the thermostat when the coolant temperature fails to reach the specified temperature where the diagnosis can be made to other items in a given time after starting the engine.

Chapter 7: OBD-II/EOBDDiagnosis Menu

2. How To Connect Diagnostic Connector and Select Diagnosis Program (It is common to Korean, Japanese, European and USA vehicles)

1. Locate the diagnostic connector in the vehicle.
- Most OBD-II vehicles have their diagnostic connectors on the section over the brake pedal under the steering wheel. (OBD-II Diagnosticconnector location)

- Since vehicles without the OBD-II diagnostic connector do not conform tothe OBD-II/EOBD communication protocol, you can not use the OBD-II/EOBD vehicle diagnosis function to them.

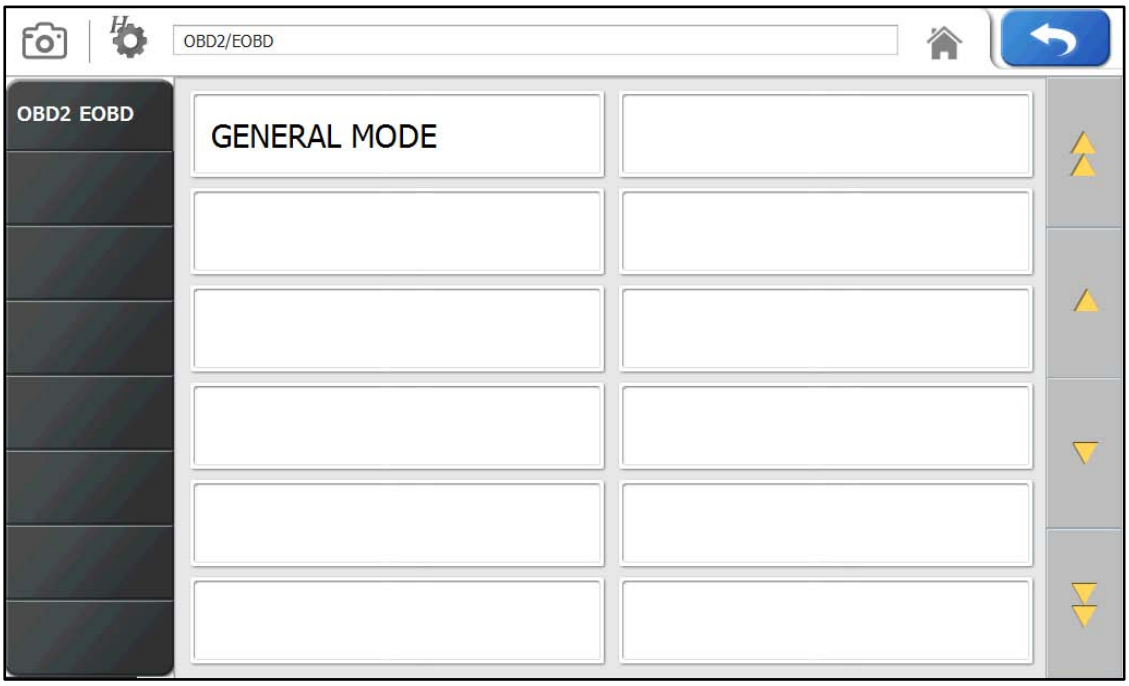
- OBD-II Diagnosticconnector location -

2. Use the diagnosis cable to connect the vehicle's diagnostic connector and AUTO-i 700
3. Turn on AUTO-i 700.
- As OBD-II vehicles feed power through the diagnostic connector to the module, they do not need any additional power supply..
4. Press the OBD-II/EOBD button on main screen of AUTO-i 700 to see diagnosis items.
5. Diagnosis function includes Auto-searching, ISO9141-2/KWP2000, J1850PWM/J 1850VPW, CAN communication(Figure 5-1) etc. please refer to Chapter 8 OBD-II Vehicle Diagnosis for more information.

Whenever performing diagnosis, make sure that the ignition switch is in the "ON" position. If the ignition switch is placed in the "OFF" position, power cannot be feed to the ECU and the diagnosis with AUTO-i 700 cannot be performed.

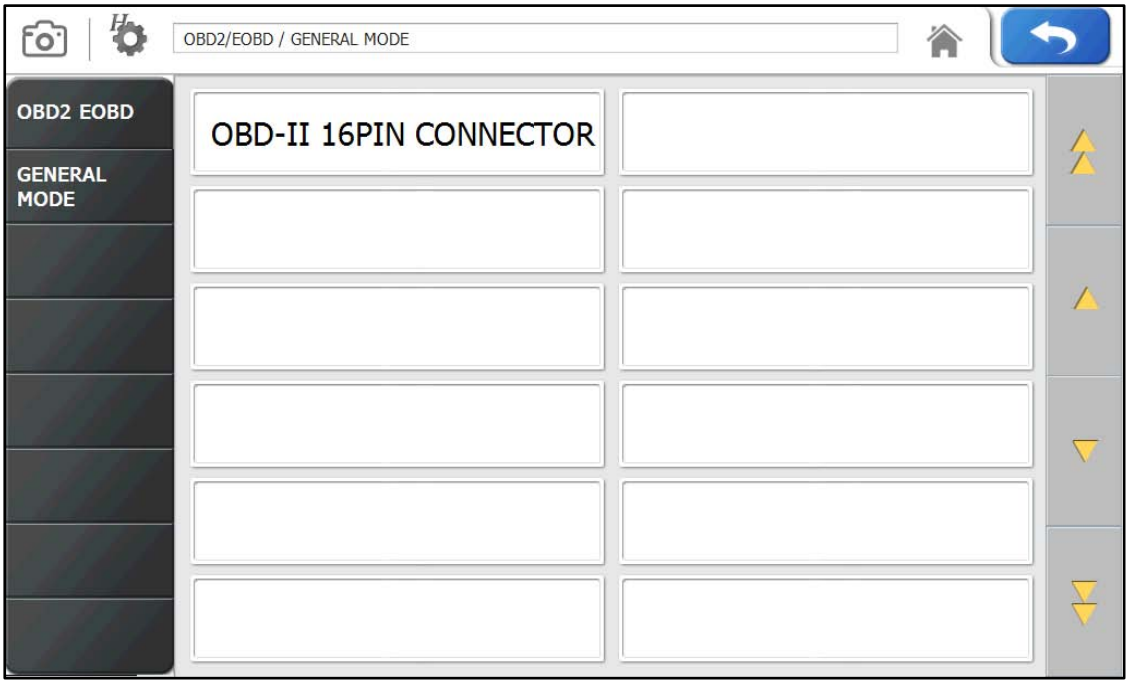
Chapter 7: OBD-II/EOBDDiagnosis Menu

5-1) Communication screen



- Communication-

5-2) Connect a OBD2 16pin connector. (DLC main cable)

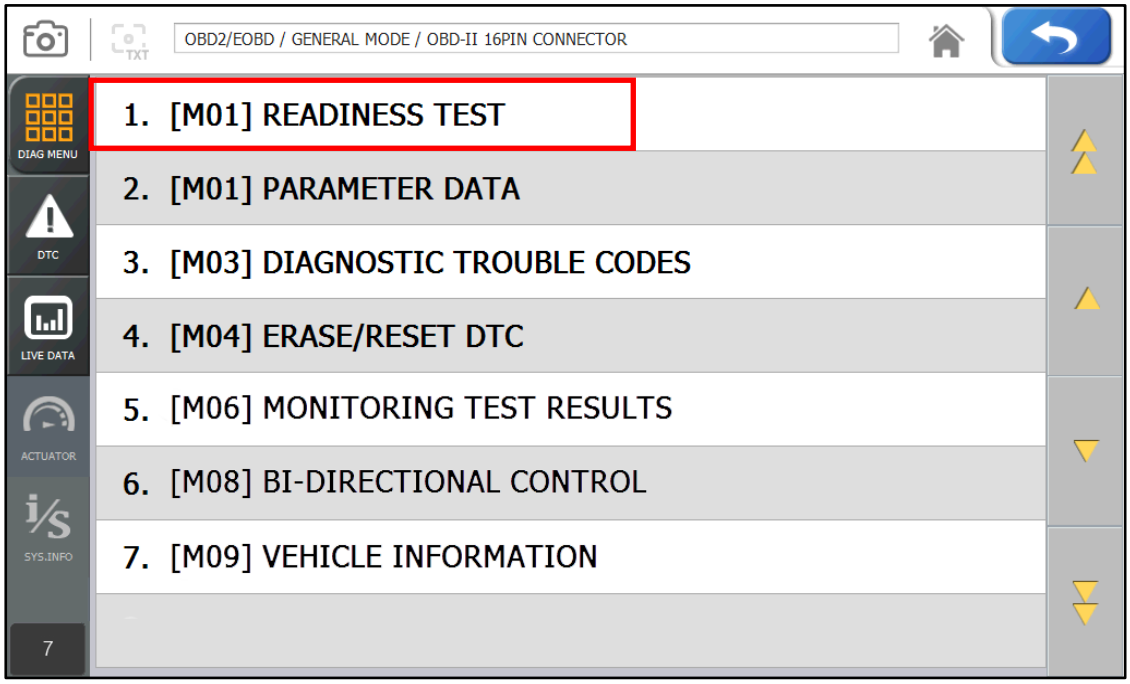


- Connect OBD2 16pin connector -

Chapter 8: OBD-II/EOBDVehicle Diagnosis

1. READINESS TEST

-The readiness test tries making communication with your vehicle to review general items of ECU modules that response.

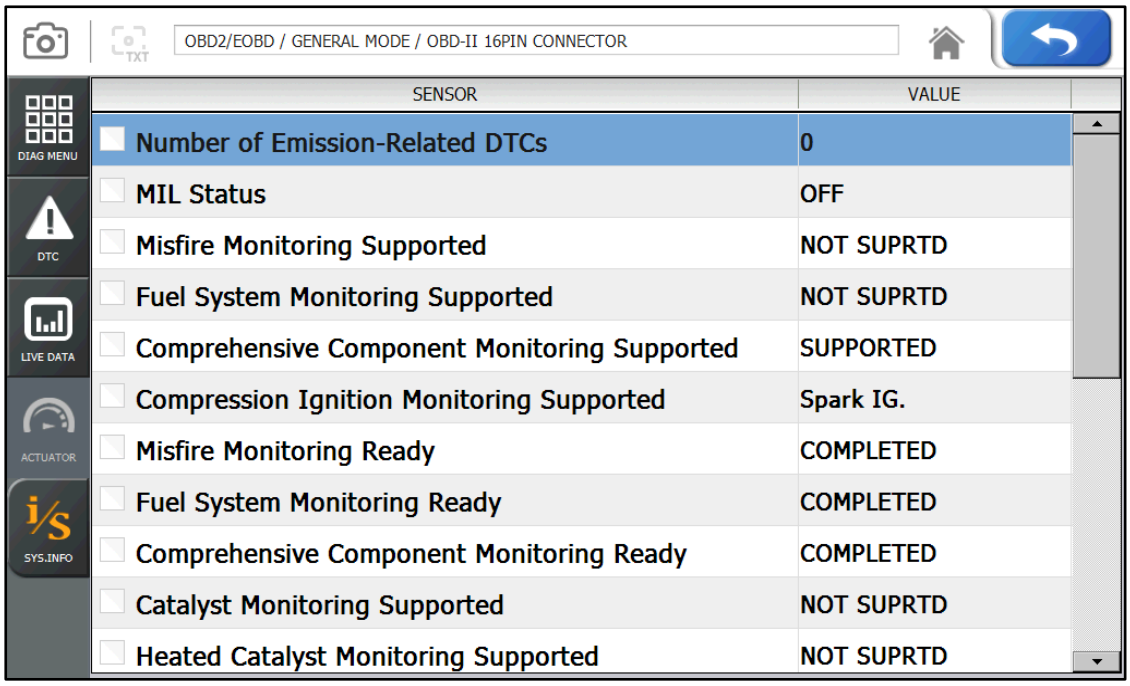


-Readiness Test Selection-

1-1. If communication with the vehicle is established successfully, the menu above appears. Select READINESS TEST.

If no menu like above is displayed or communication cannot be established, check the vehicle condition and the connections status of the diagnostic connector again.
In addition, check if your vehicle supports OBD-II communication.

Chapter 8: OBD-II/EOBDVehicle Diagnosis



-Readiness Test-

*Results

1. NOT CMPLTD: The test has not been completed.
   - This appears when the test was not completed owing to the abnormal ECU or sensorrequired to display the test result..

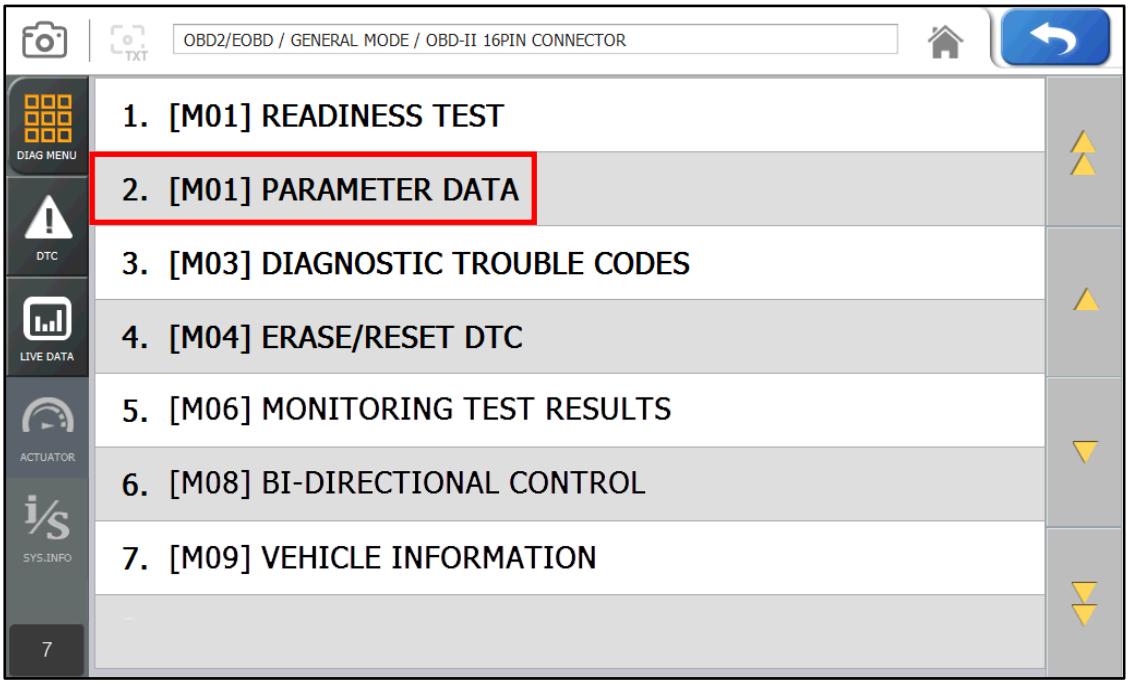
2. COMPLETED: The test has been completed.

3. NOTSUPRTD: The item is not applied to the tested vehicle.

Chapter 8: OBD-II/EOBDVehicle Diagnosis

2. PARAMETER DATA

-You can check the PARAMETER DATA specified by the OBD-II/EOBD standard in this menu.



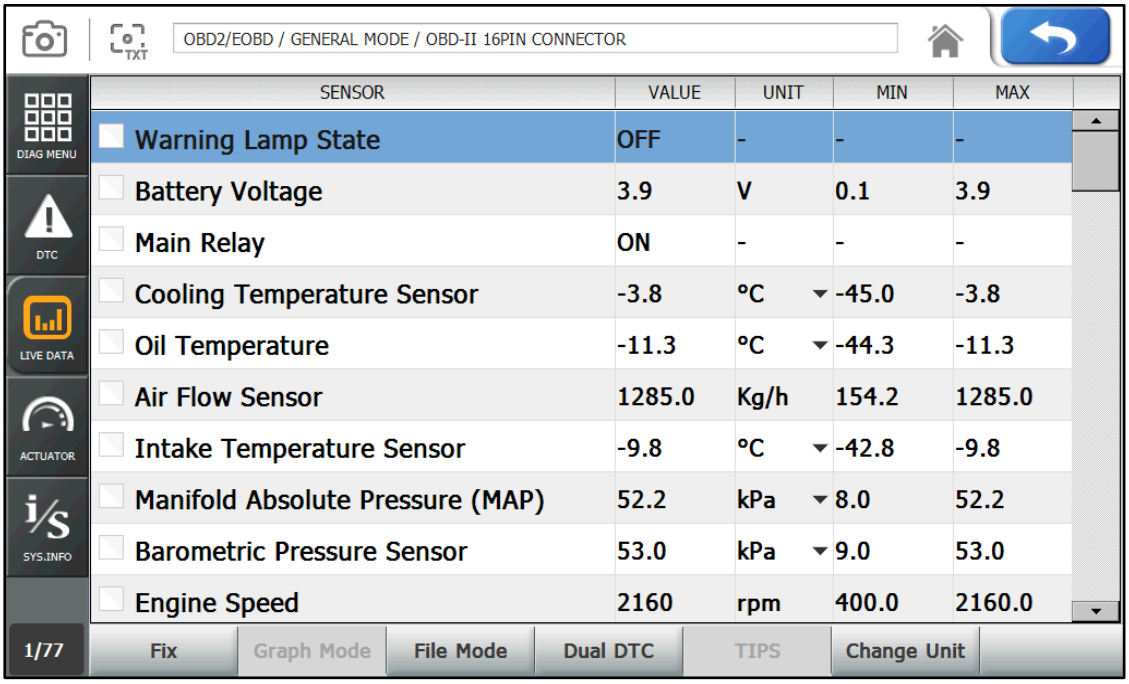
-PARAMETER DATA Selection -

2-1. If communication with the vehicle is established successfully, the above menu appears. Select the PARAMETER DATA.

If no menu like above picture is displayed or communication cannot be established, check the vehicle condition and the connection status of the diagnostic connector again.

In addition, check if your vehicle supports OBD-II communication.

Chapter 8: OBD-II/EOBDVehicle Diagnosis



-OBD-II/EOBD PARAMETER DATA-

2-2 Parameter data are listed on the screen as shown in above figure. you can check values of each parameter.

.

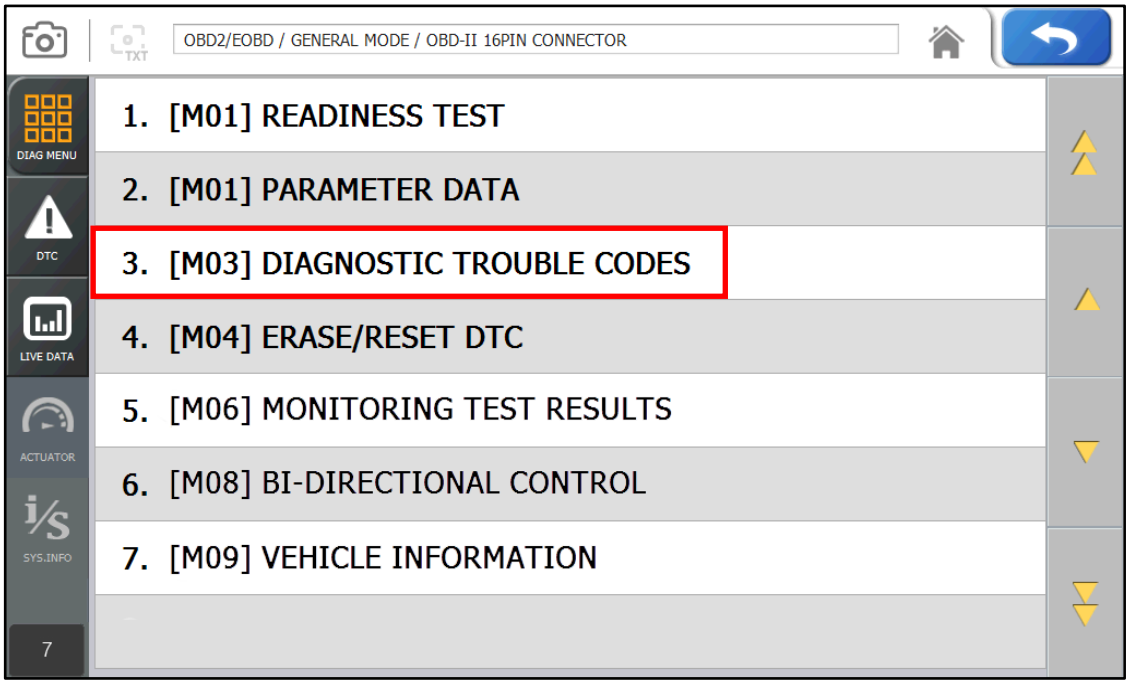
-Refer to the description from "Chapter6 vehicle diagnosis for each button`s function.

- Parameter data items in OBD-II communication may be different from parameter data items that are checked by selecting cars because parameter data itemsin OBD-II standard are provided.

Chapter 8: OBD-II/EOBD Vehicle Diagnosis

3. Diagnostic Trouble Codes

-Press this button to check trouble code of current vehicle.

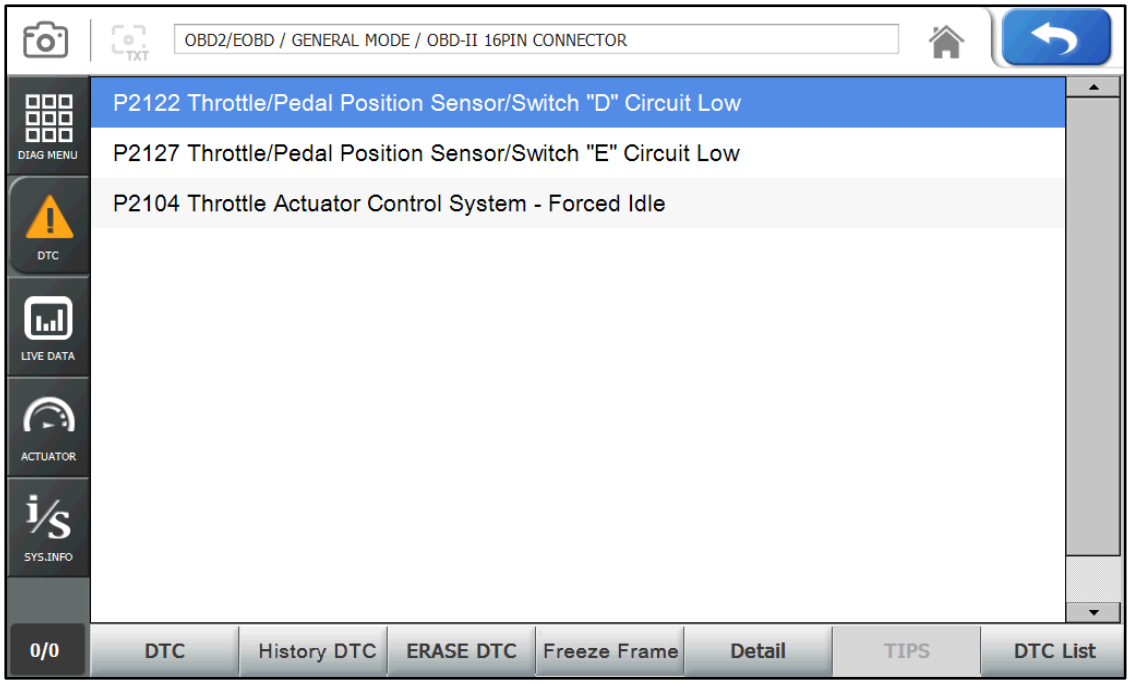


-DTC selection-

3-1.Communication withe vehicle is properly establlished, the above menu appears. Select Diagnostic Trouble Codes.

If the above menu is not appeared and Communication cannot be established, check the vehicle condition and the connection status of the diagnostic connector again. Also, check if your vehicle supports OBD-II communication.

Chapter 8: OBD-II/EOBDVehicle Diagnosis



-DTC-

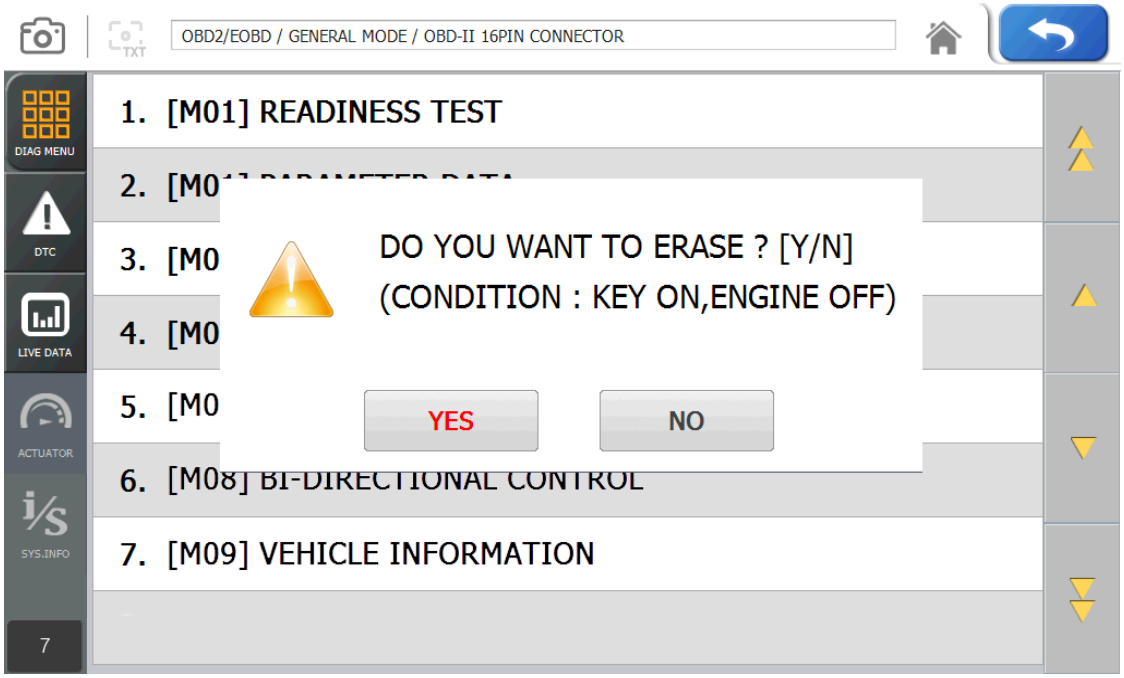
3-2. DTCs are listed on the screen as shown in above figure. You can check values of each parameter.

- Refer to the description of "Chapter6 Vehicle Diagnosis" for each button`s function.
- Parameter data items in OBD-II communication may be different fromparameterdata items that are checked by selecting cars becauseparameterdataitems in OBD-II standard are provided.

Chapter 8: OBD-II/EOBDVehicle Diagnosis

4. Erase/Reset DTC

1. Select a car model and system in the diagnosis menu. Then, if communication with the vehicle is established successfully, the menu shown in Figure of Page65 appears. Select the ERASE/RESET DTC button.



-Erase/Reset DTC-

2. If the YES & NO window are shown, Select the YES button to clear DTC or select the NO button to return back to previous step.

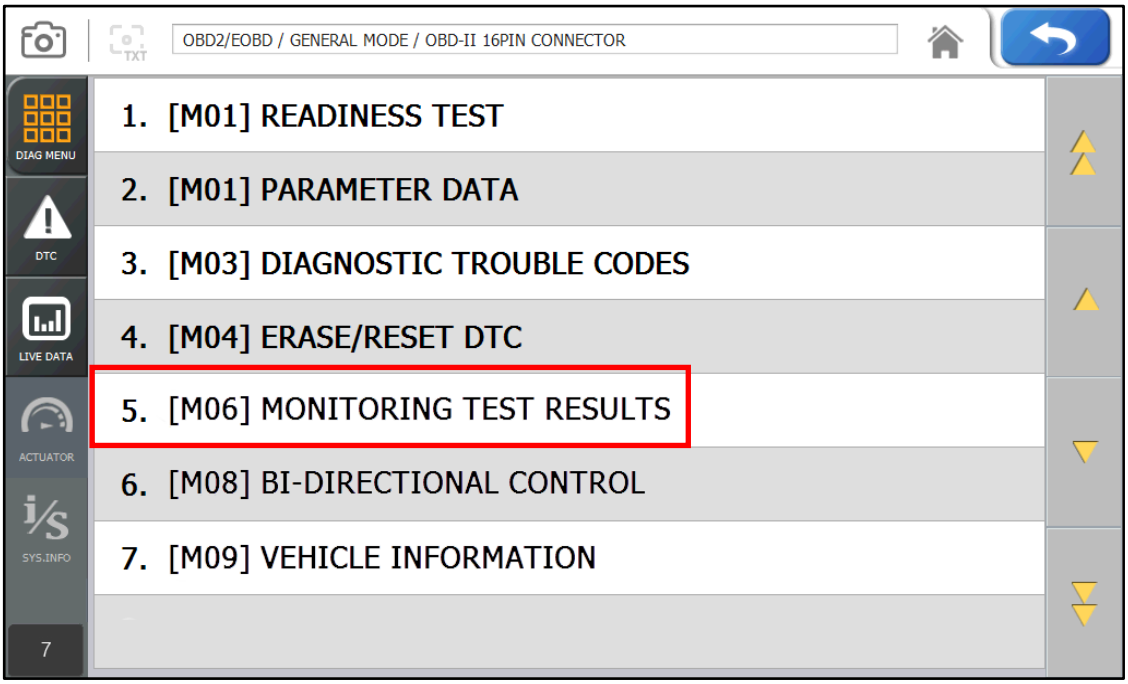
TIP

There are current and history DTCs. When trying to clear history DTCs, they are cleared immediately and they are not set again. However, when trying to clear current DTCs, they are cleared for a short period of time but they are activated again. In this case, clear DTCs again after checking and repairing malfunction parts for the corresponding DTCs.

Chapter 8: OBD-II/EOBDVehicle Diagnosis

5. Monitoring Test Results

- This menu displays the monitoring test results while the vehicle is being normally operated.
- To test systems and units of different manufacturers, it is required to specify test IDs and component IDs.
  If there is no test item supported by the vehicle manufacturer, an error message will be displayed.



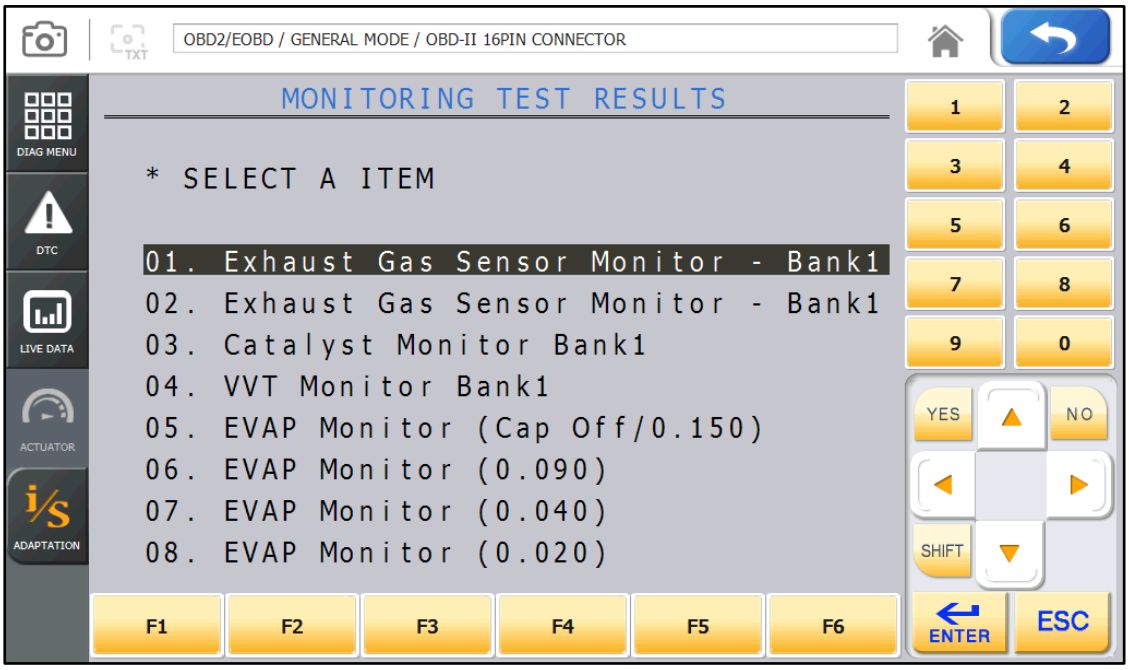
-Monitoring Test Results-

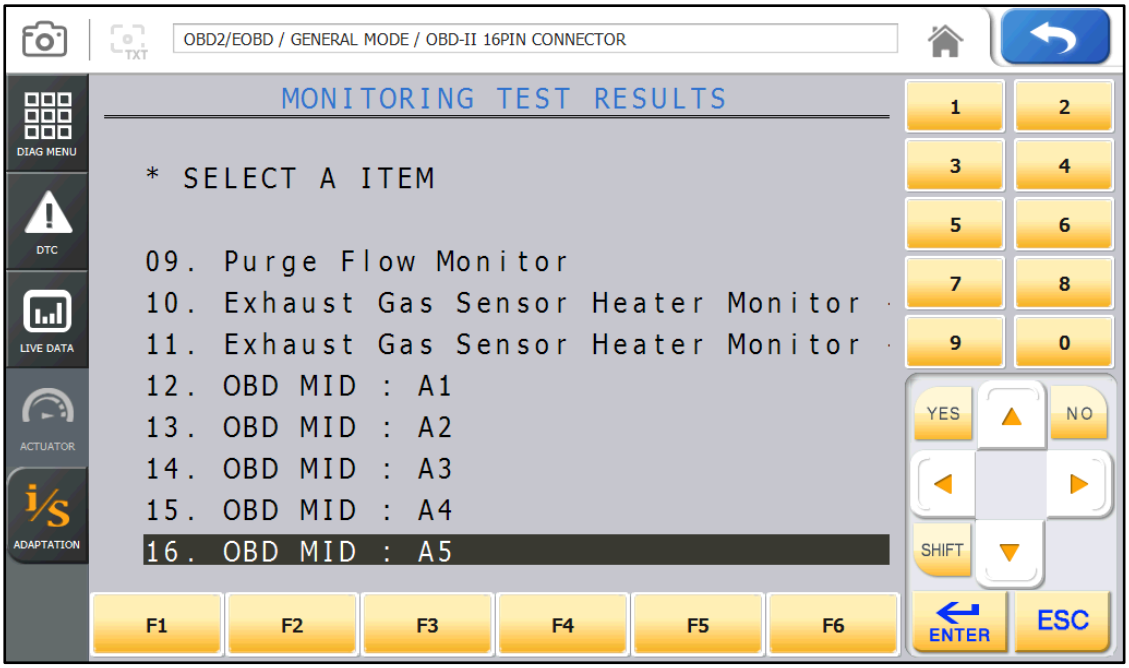
5-1. If communication wih the vehicle is established successfully, the menu above appears. Select MONITORING TEST RESULTS.

TIP

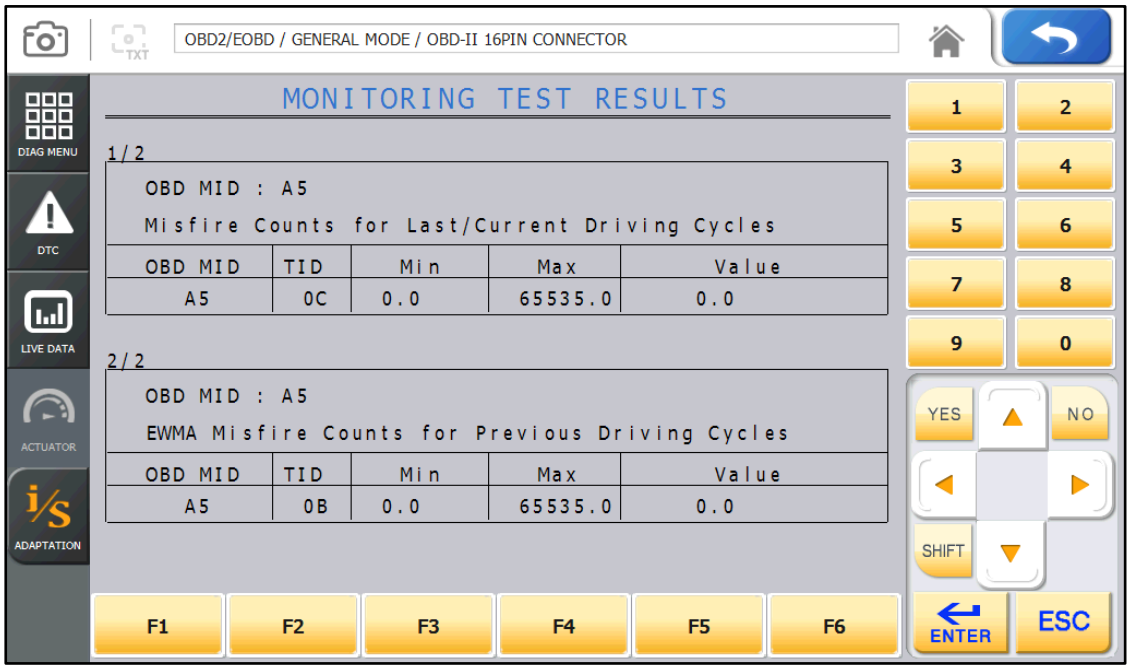
If no menu like picture above is displayed or communication cannot be established, check the vehicle condition and the connection status of the diagnostic connector again.
In addition, check if your vehicle supports OBD-II communication.

Chapter 8: OBD-II/EOBDVehicle Diagnosis





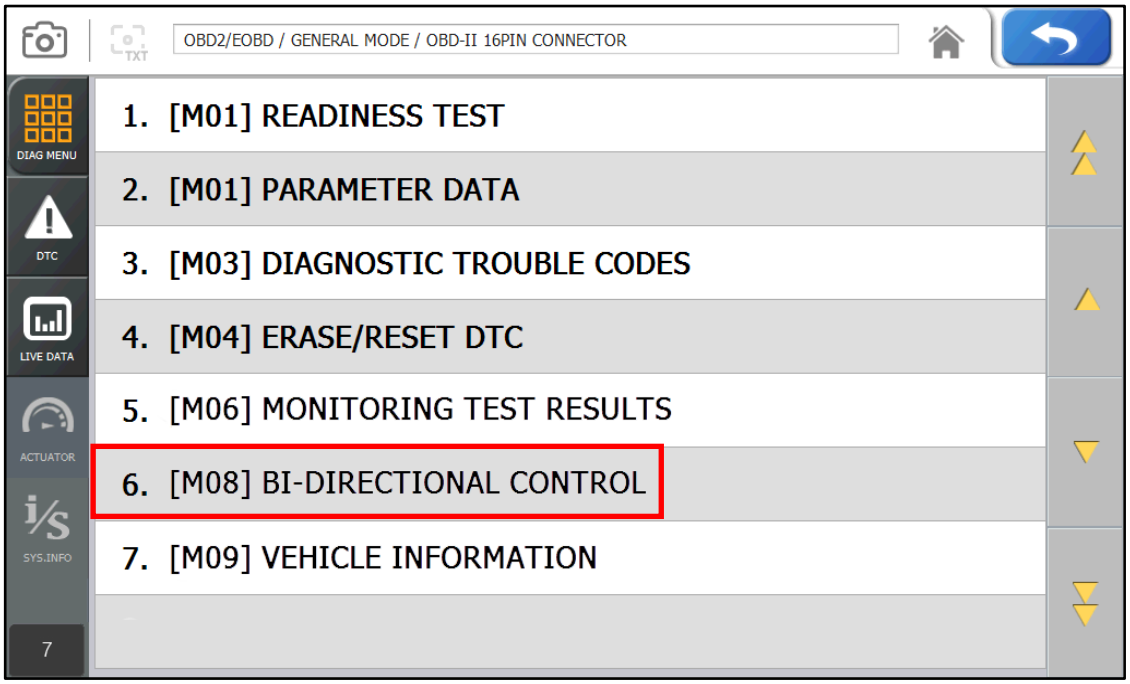
Chapter 8: OBD-II/EOBDVehicle Diagnosis



Chapter 8: OBD-II/EOBDVehicle Diagnosis

6. BI-Directional Control

- You can control and test functions related with OBD-II system.



- BI-Directional Control -

6-1.If communication wih the vehicle is established successfully, the menu above appears. Select BI-DIRECTIONAL CONTROL.

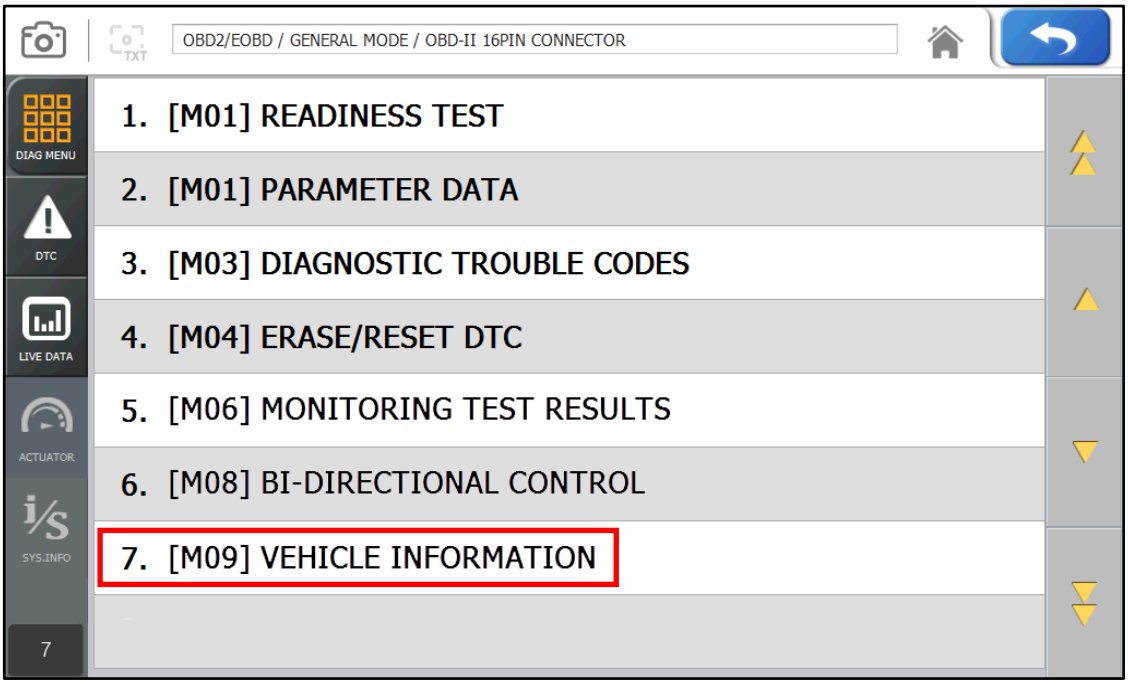
If no menu like picture above is displayed or communication cannot be established, check the vehicle condition and the connection status of the diagnostic connector again.

In addition, check if your vehicle supports OBD-II communication.

Chapter 8: OBD-II/EOBDVehicle Diagnosis

7. VEHICLE INFORMATION

- This menu displays information of the ECU installed in your vehicle.
- You can check only the ECU that provides its module information.



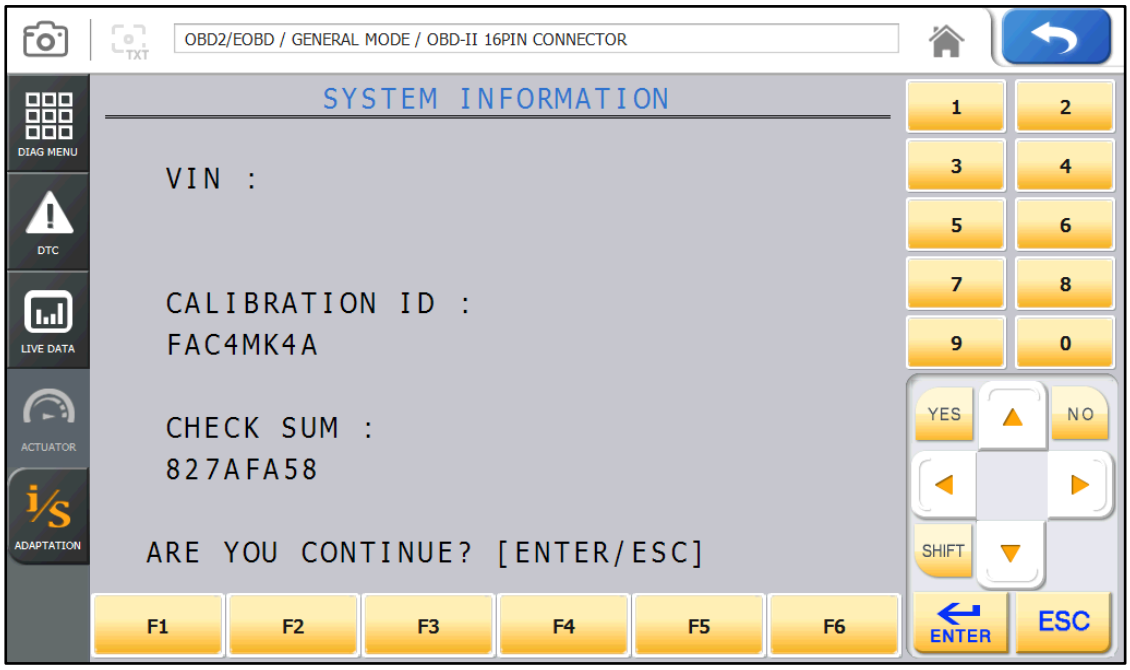
-VEHICLE INFORMATION Selection-

7-1. If communication wih the vehicle is established successfully, the menu above appears. Select Vehicle Information.

If no menu like picture above is displayed or communication cannot be established, check the vehicle condition and the connection status of the diagnostic connector again.

In addition, check if your vehicle supports OBD-II communication.

Chapter 8: OBD-II/EOBDVehicle Diagnosis



- This menu displays information of the ECU installed in your vehicle like the picture above.

  - Press the ENTER button to check system information in detail.

Chapter 9: Program Download

It is necessary to download the vehicle diagnosis program to your product in order to use it. if here is any update due to a new model, system or development, the program should be updated to the latest one. Also, the latest firmware and PIC data are provided for update to ensure the best performance of your product. For this update, the dedicated program is needed. The following describes how to install the program.

1. How to Install download program.

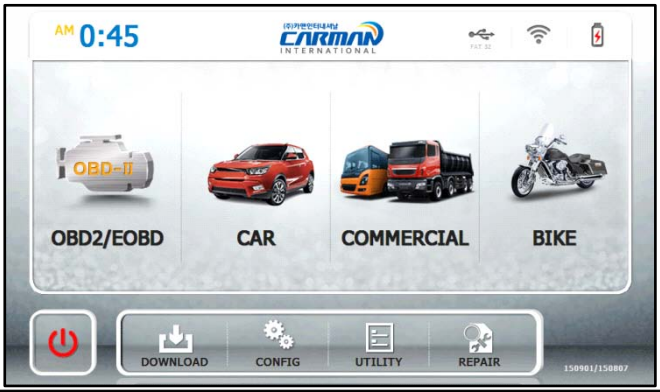
- Use only the USB supplied by our company to connect the PC and AUTO-i 700.
- Select the DOWNLOAD button in main screen of AUTO-i 700.
- Download new software after check how to download it in our website.
  Website: http://www.carmanit.com
- You can auto-update without any wired connection via Wi-Fi capabilities.
- Please contact to where you purchased about downloading latest software.

2. How to Update

2-1Howtoupdate AUTO-i 700by connecting USB cable to PC

1)Please insert USB cable into USB-B port.

2) Click the DOWNLOAD button.

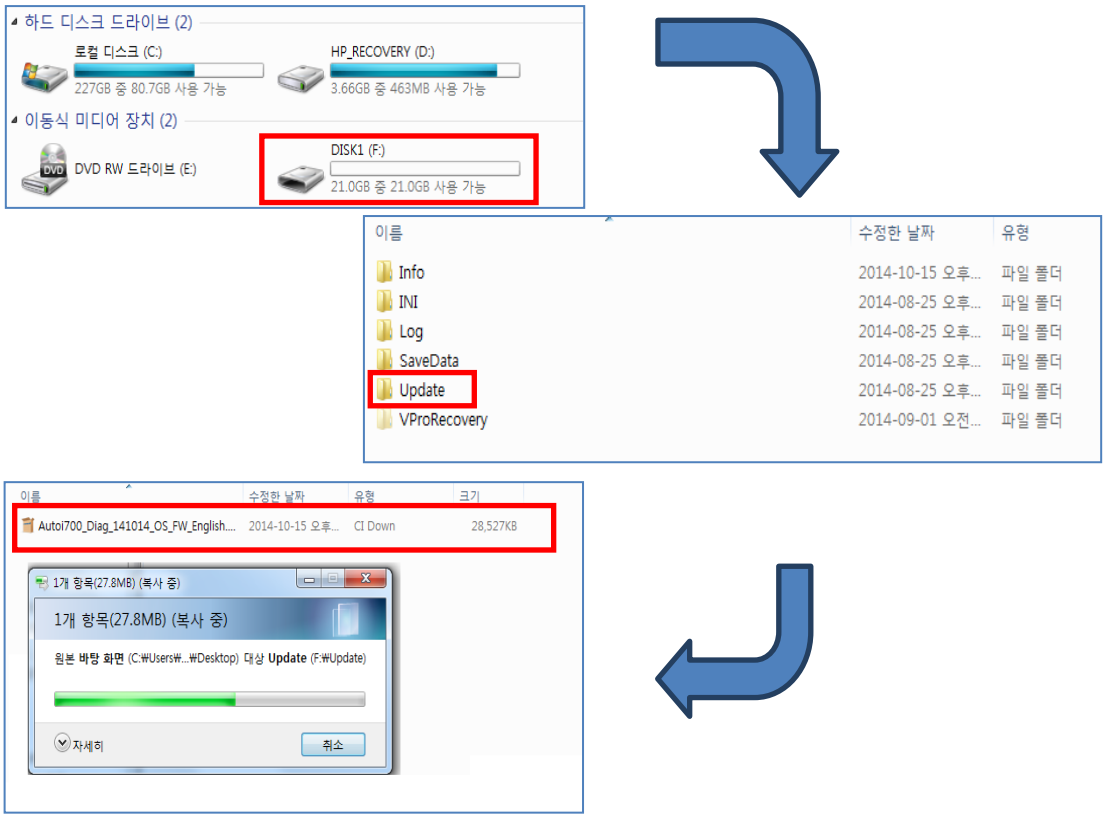


Chapter 9: Program Download

3) Screen will show the below.

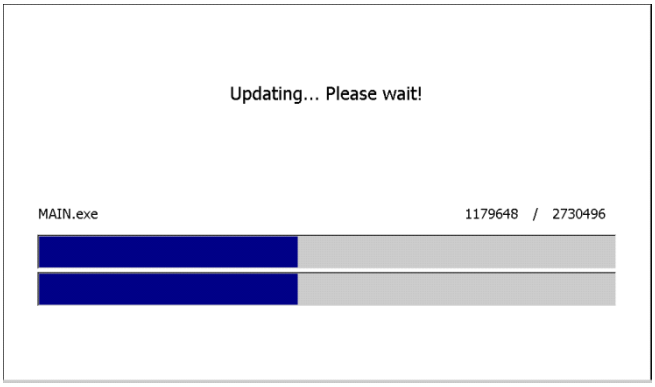
4)Save a update program file into the Update folder in AUTO-i 700.

After saving the file, please remove the USB cable from scanner.

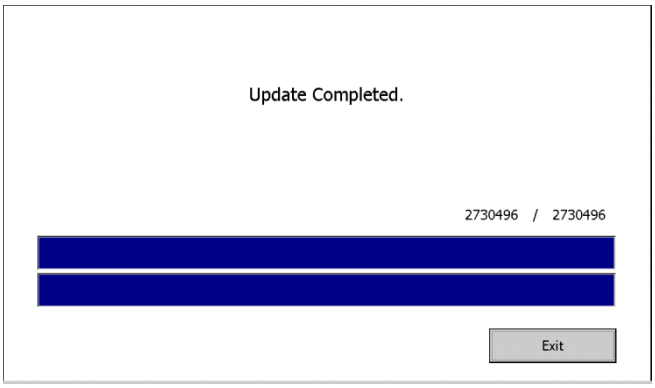


Chapter 9: Program Download

5) It is updating automatically by removing USB cable.
Please wait the updated number to be full.



6) It is updating automatically.
After update completed, please click the Exit button.

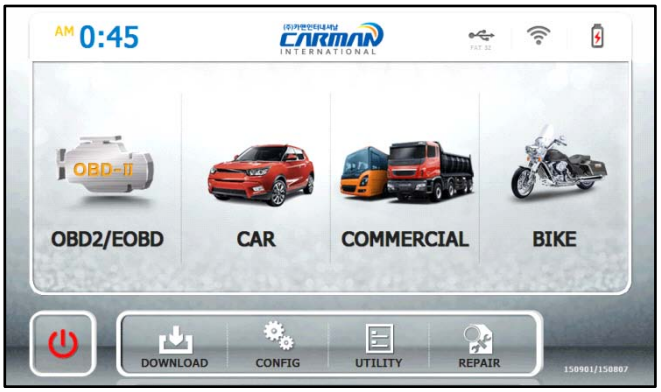


Chapter 9: Program Download

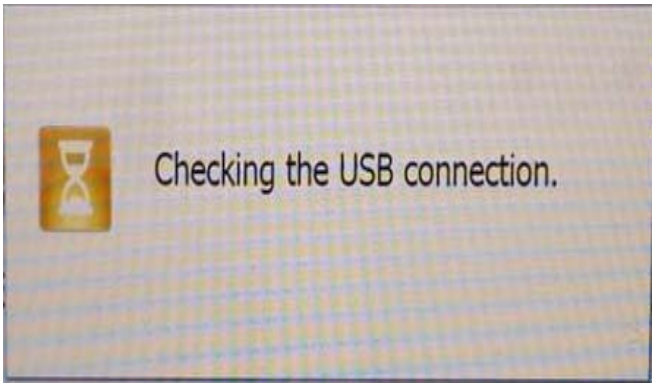
2-2 HowtoupdateAUTO-i 700By USB memory stick

1)Insert USB memory stick containing a update program into USB-A port.

2) Click the DOWNLOAD button.

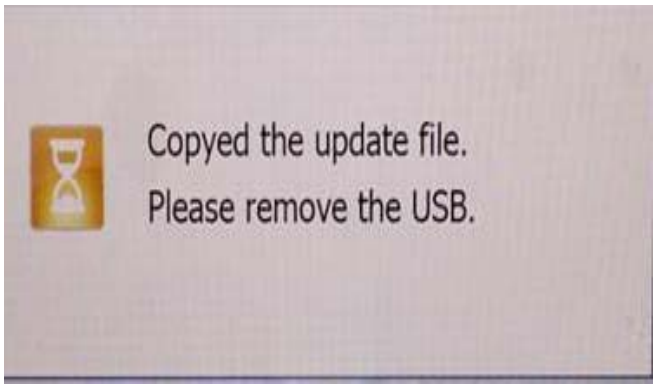


3) AUTO-i 700 is checking the USB memory stick automatically.



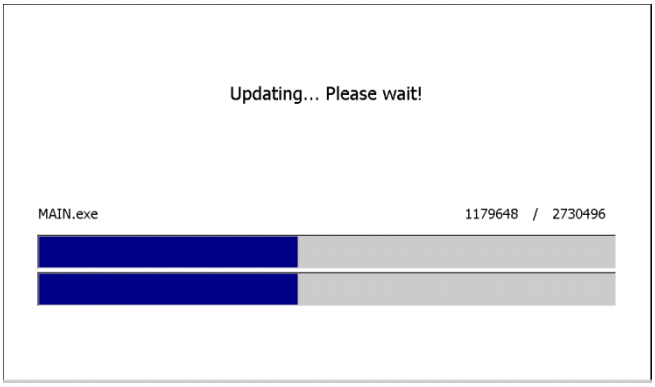
Chapter 9: Program Download

4) AUTO-i 700 copies a program in the USB stick automatically and shows you a screen as below to remove USB memory stick.



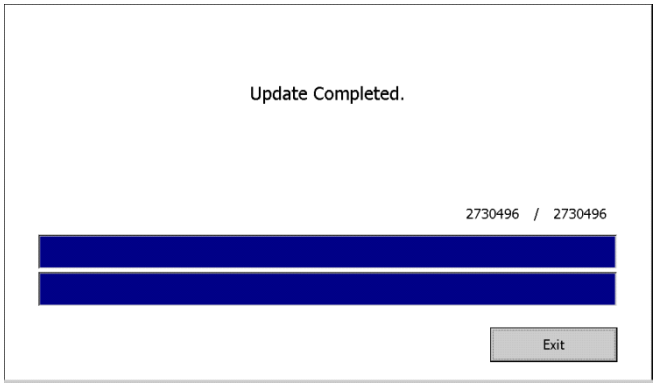
5) It is updating automatically by removing USB stick

Please wait the updated number to be full.



6) It is updating automatically.

After update completed, please click the Exit button.



*ADVICES

We recommend you to use USB memory stick of the SanDisk company.

Model: SanDisk Cruzer Blade USB Flash Drive CZ504GB or 8GB (only below size of 8GB)

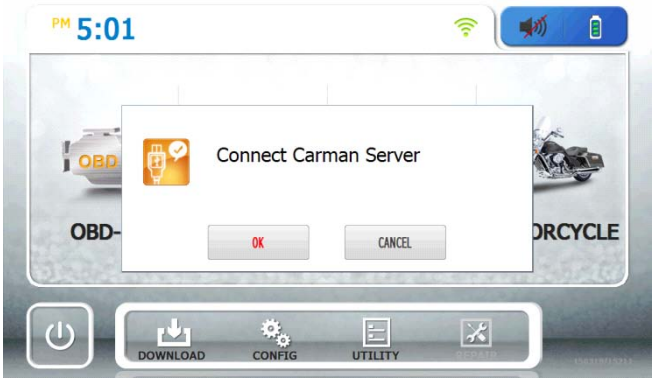
Format:FAT32 (4096 Byte)

Chapter 9: Program Download

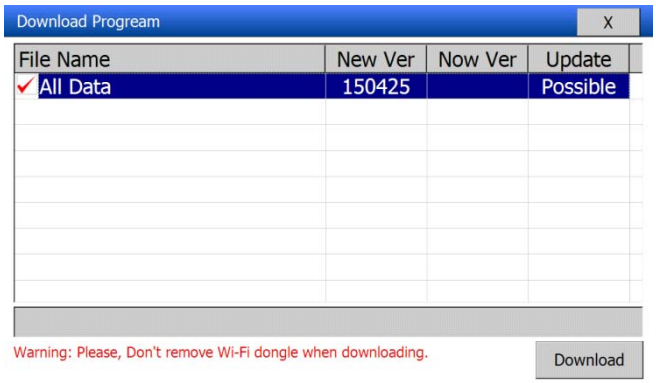
2-3 How to update AUTO-i 700 By Wi-Fi dongle

1) Put Wi-Fi dongle into USB A port. (Ref. 33 page)

2) Press “Download” button and “OK” button.



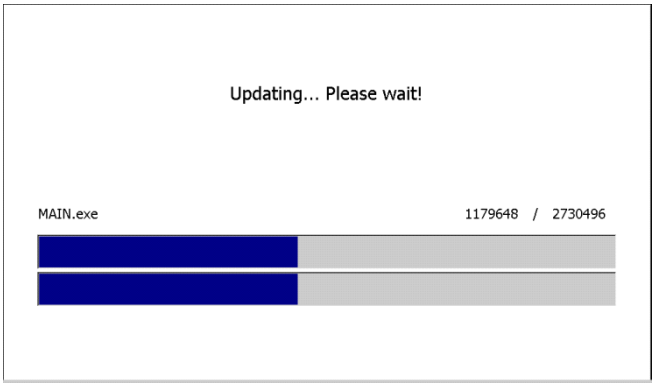
3) Click Checkbox and press “Download” button.



Chapter 9: Program Download

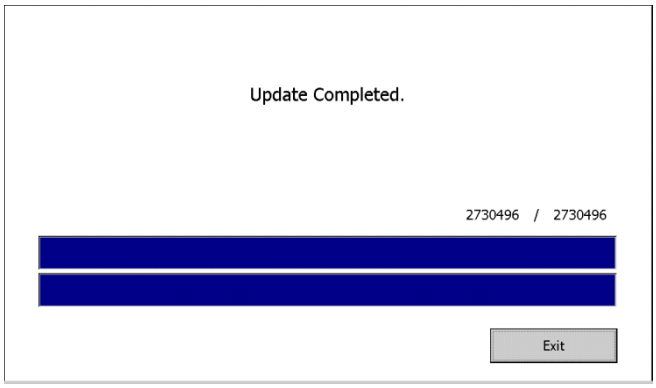
4) It is updating automatically

Please wait the updated number to be full.



5) It is updating automatically.

After update completed, please click the Exit button.



Appendix: Registration

We explain how to register using windows 7.

How to register?

You can register on website or where you purchase our products.
Website address for registration: http://www.carmanit.com

How to register through website

1. Input http://www.carmanit.com into theaddress bar on browsers.
2. Refer to the JOIN page in our website.

Q&A

Q) Communication cannot be established.

A) 1. Check the connection of the diagnostic cable.

- Communication cannot be established if the diagnostic cable is not properly connected.
- Some old vehicles may have a problem on pin of DLC.

2. Check if power is properly supplied to the main module.

- Vehicle diagnosis can be affected by unstable power source.
- You need to check power from battery or from DLC connector.
- If the vehicle diagnostic cables cannot supply power from vehicle, connect the cigarette lighter power cable for power.
- If there is electric potential difference between AUTO-i 700 batteries and vehicle batteries, communication is not available.

* If the problem is not solved, a hardware of scanner or a vehicle may be out of order.
* If so, the scanner requires to be repaired
* Flooded cars may be not communicated also it will cause damage to your scanner.

So, Check if there is any short circuit in advance before scanning the flooded cars.

Q) I cannot turn on the module.

A) 1. Check if the battery in the module is charged.

- The built-in battery may not be charged.

2. The battery may not be able to function due to the ambient temperature.

- Avoid excessively hot or cold areas.

3. If battery life is over, booting by battery is not available.

* If DLC cable, cigarette cable or AC/DC adapter cannot supply power and booting is not available, it is required to be repaired.

Q) The touch screen does not function properly.

A) 1. The touch screen coordinates may not be correctly aligned.

- It is possible to test the touch screen coordinates by selecting the CONFIGURATION from the main menu and then selecting DISPLAY and Test Touch Coordinate menus in order. If the coordinates are not correct, correct them using the Calibrate Touch Screen function.

* If the problem is not solved, a hardware of scanner or a vehicle may be out of order.
* If so, the scanner requires to be repaired.

Certificate of Information and Communication Equipment

[Certification Label for Information and Communication Equipment]

Manufacturer: CARMAN IT Co., Ltd.
Equipment: Vehicle diagnosis device
Model: AUTO-i 700
Manufacturer ID: MSIP-REM-CMi-AUTO-i700
Certificate Date: Aug. 2014

WARRANTY CARD

Warranty Policy

1. The manufacturer warrants this product to be defect free in material and workmanship for a period of one (1) year from the date of purchase. Defective products may be returned by the original purchaser within the warranty period, postage pre-paid together with proof of purchase date to CARMAN ITCo. LTD. Defective products will be repaired at manufacturer's discretion, replaced at no charge.
2. The warranty does not apply to any units that have been tampered with, or to damages incurred through improper use and care, defects caused by abuse or through the usage for purposes other than the intended use, used in a manner inconsistent with the instructions regarding use, and faulty packing or mishandling by any common carrier.
3. Repairs not covered by this warranty will be performed at the current cost for parts and labor. In no event will CARMAN IT Co. Ltd's liability exceed the price paid for the product from direct, indirect, special, incidental or, consequential damages resulting from the use of this product, its accompanying software, or its documentation without obligation to notify any individual or entity. Warranties hereunder extend only to customers and are not transferable.

Warranty Period & Software update

1. Free Software update for CARMAN IT products is fifteen (15) months from date of purchase. After fifteen (15) months from purchase date, software updates will be optional and will require separate payment per request.

Repair Service

1. If you suspect that you have a problem with this product, please read the operation manual (guide) carefully to ensure that you are operating this product properly.
2. If you conclude that a real problem exists, check your product according to the procedures on the "Trouble Shooting Card" and mark your trial records in the blank.
3. Please return the main body or the troubled parts along with the "Trouble Shooting Card" to the repair service center listed below. Be sure to return them in freight prepaid as we don't accept freight collect.

Carman IT Co., Ltd

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