Contents

▌ Introduction

Thank you for purchasing J2534.

Read the instructions thoroughly for proper operation of your J2534

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▌ Disclaimer

- The product specification and manual are sjubect to change without notice.
- GIT(Global Information Technology Co., LTD) is not responsible for any problems caused by installation of other unrecommended programs or changes to J2534 program.
- J2534 program is updated on the internet when there is any update, so please keep it up to date for the proper use.
- J2534 program supports to check diagnostic trouble code of vehicle through communication with ECU(Electronic Control Unit). It may not be able to display accurate data depending on the condition of vehicle and communication situation. The method of vehicle diagnosis and repair should be decided according to the judgment of the user at the end, and the manufacturer and the seller are not responsible for the result of the diagnosis and repair method.

▌ J2534 start

- After J2534 software installation, double-click the short cut on the background for J2534 start.
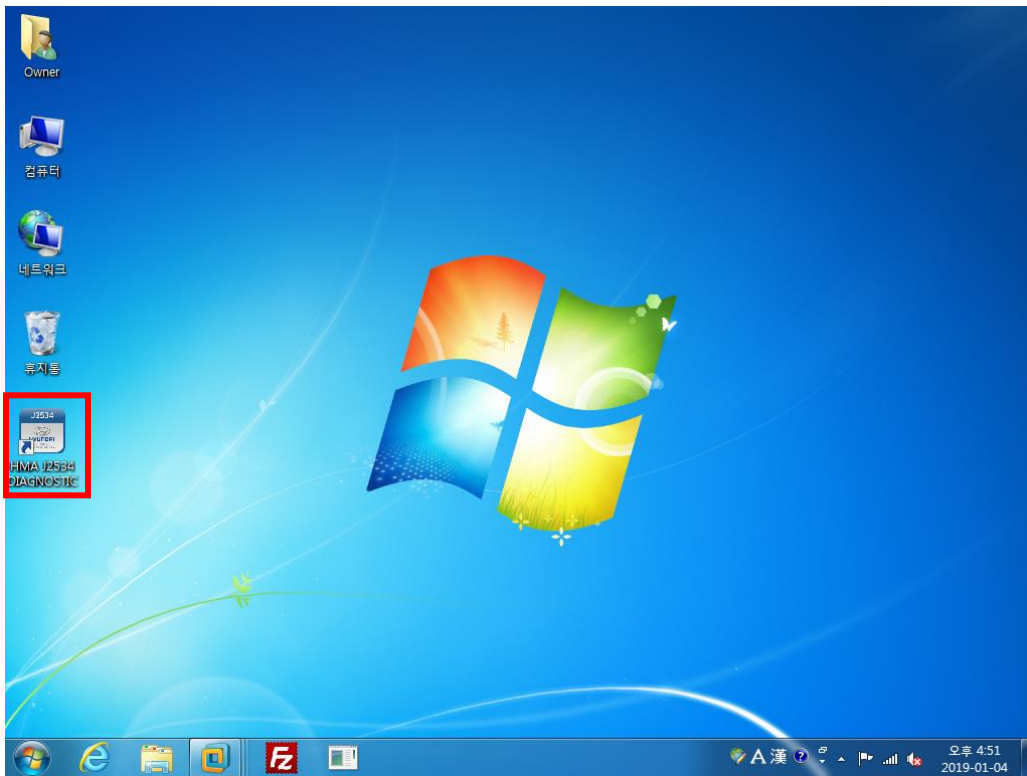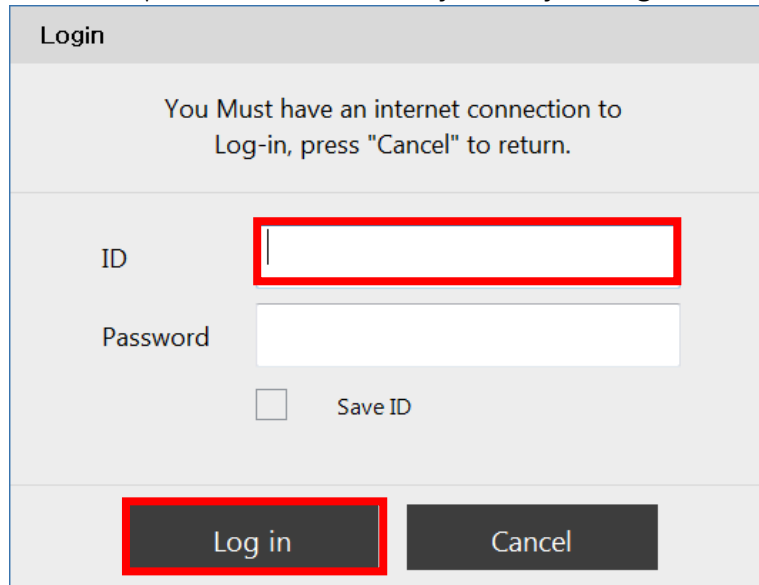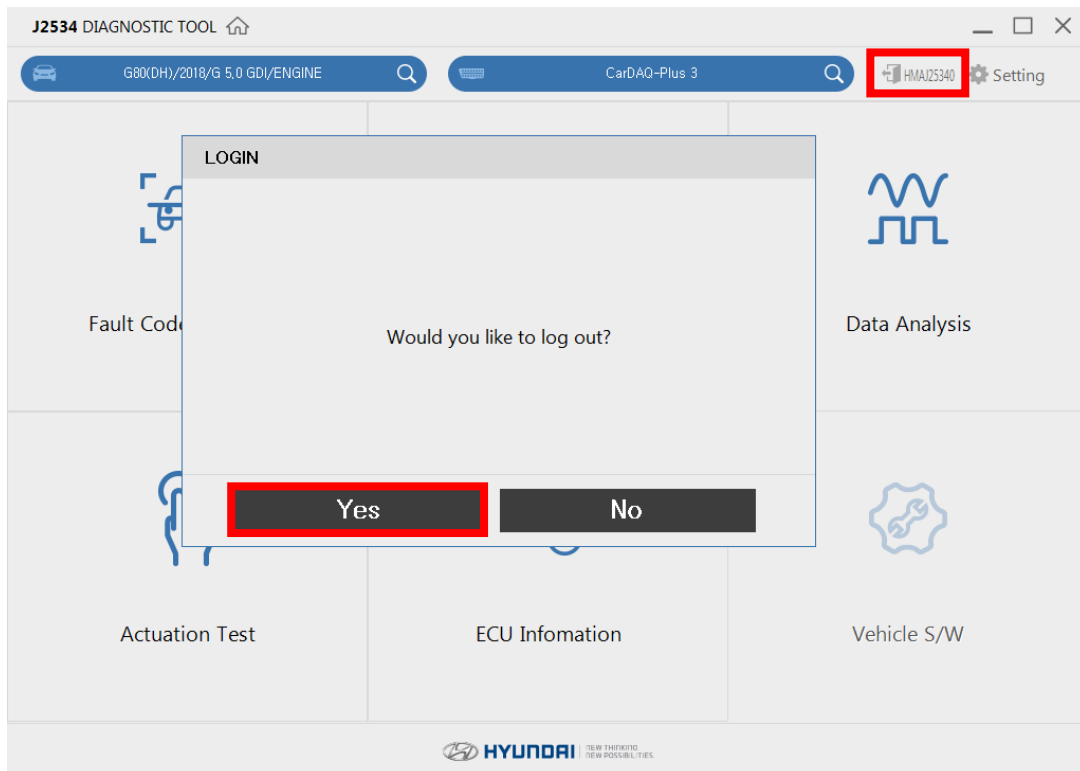

- J2534 Main screen
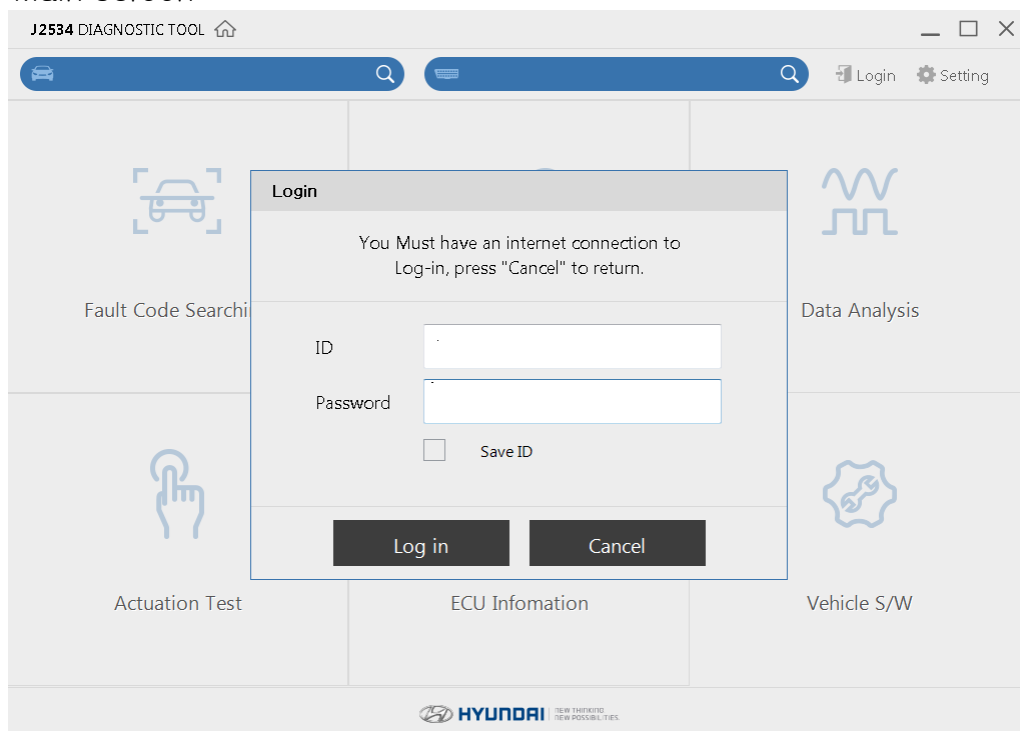
▌ J2534 Login

- When you start J2534, you will see the Login window. Try to login with ID and password which are provided by program administrator. And then, main window of J2534 will be opened. Check the Save ID item if you want to remember the last login information.
- J2534 program will be updated automatically after you login.

If you use J2534 program without login, you will not be able to use other functions except Setting.

▌ J2534 Logout

- Click top right icon on the J2534 program of main screen to logout as the picture below.

▌Main screen

- Main page of J2534 is consisted of serveral items to be used J2534 program.

- The compostion of the main screen is divided by six items which are Fault Code Searching, DTC Analysis, Data Analysis, Actuation Test, ECU Information, and Vehicle S/W. The functions will be wokring by clicking on the each section.

- J2534 program supports 1024*768 resolution, and the program is based on interent. If the internet is not connected, J2535 program will be not working properly.
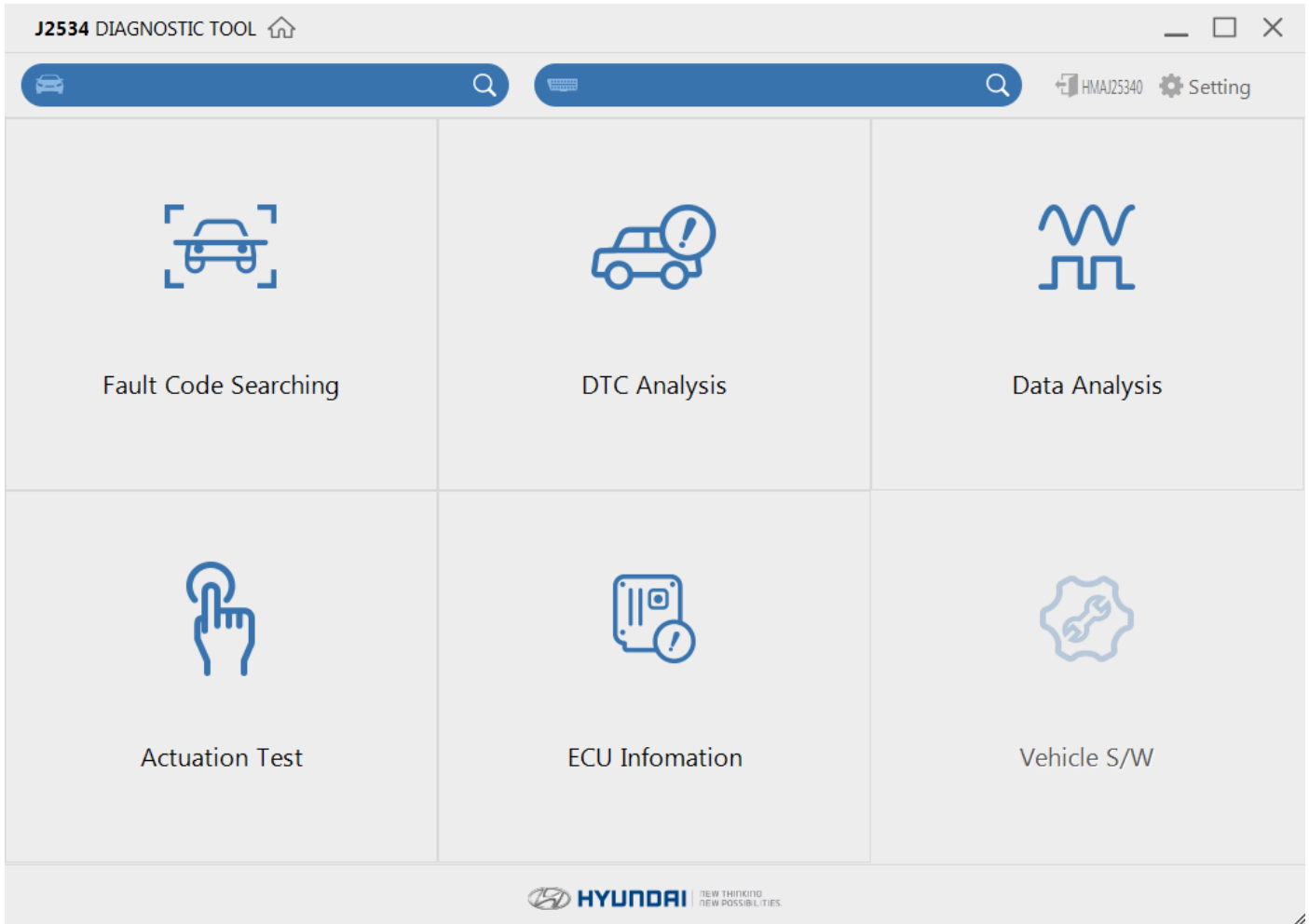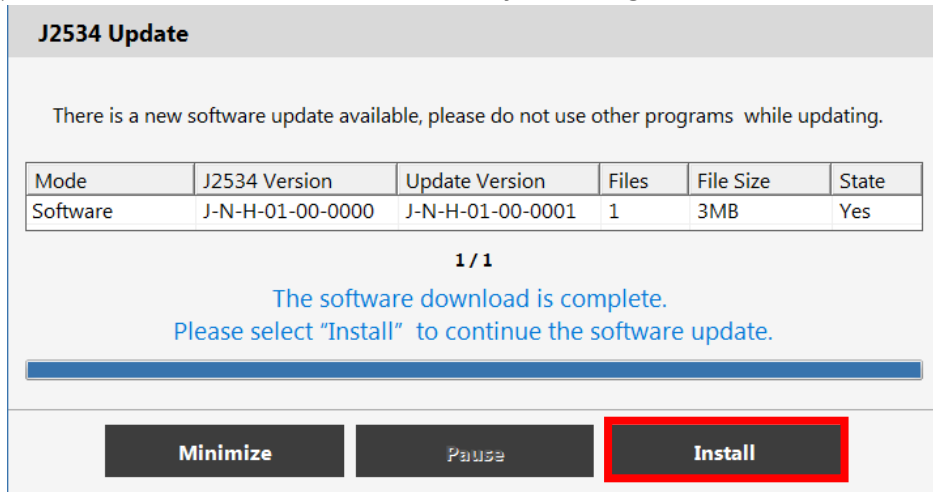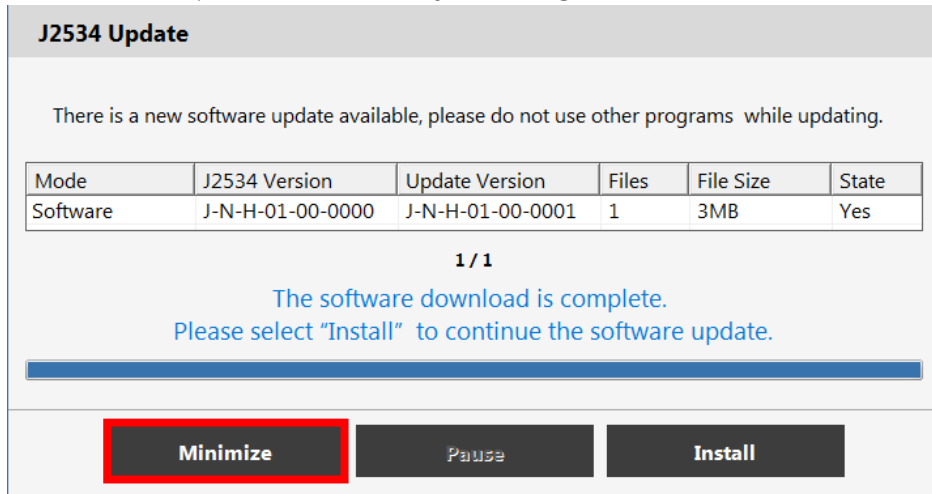
Internet update

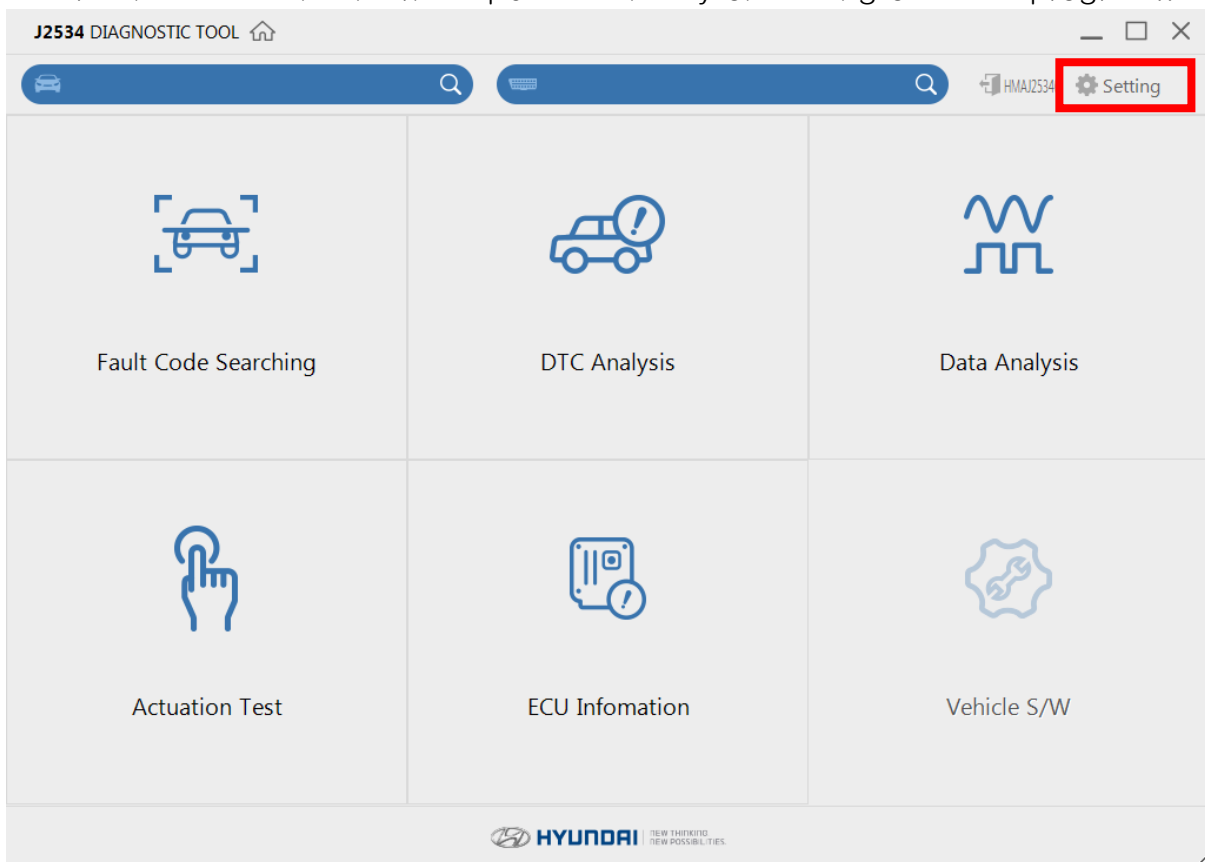- J2534 program updates automatically after logging in.
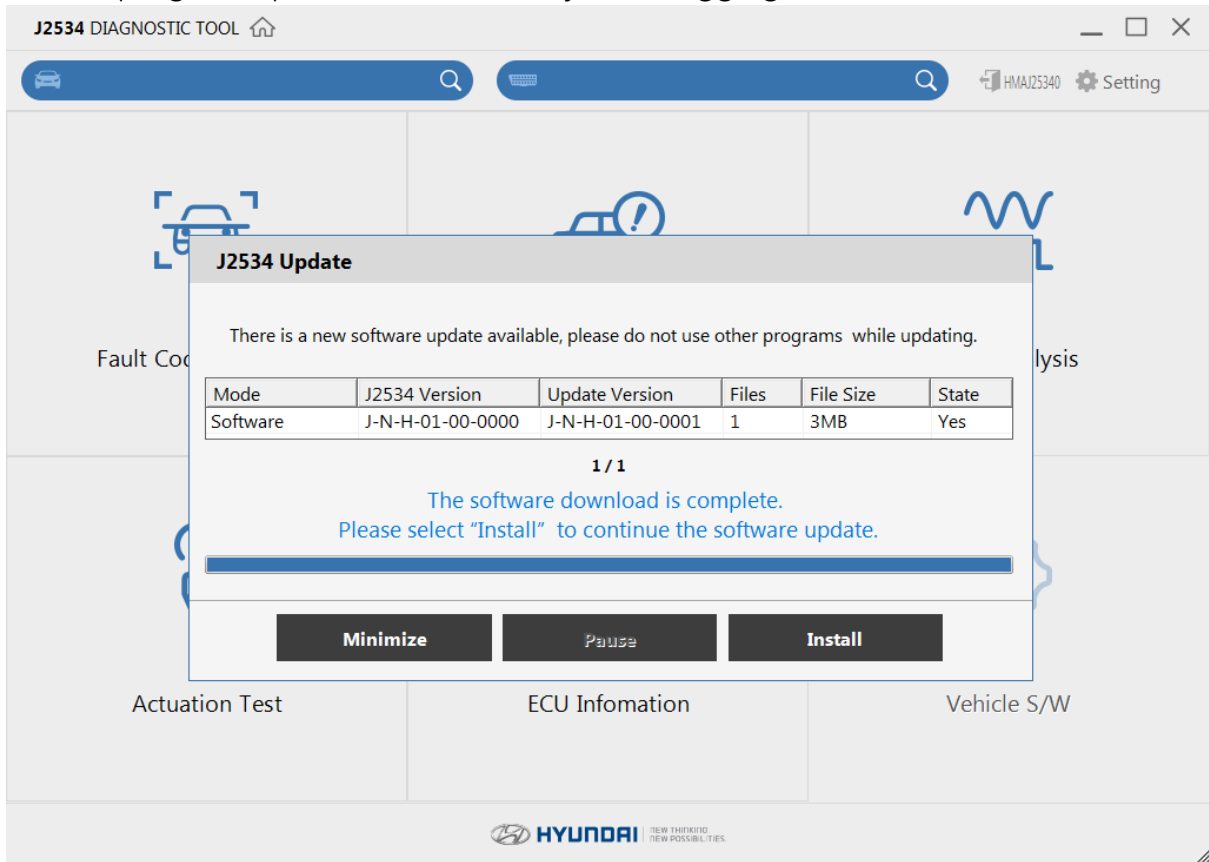
- Internet update installation will be started by clicking 'Install' button.

● Minimize the internet update window by clicking 'Minimize' button.

J2534 Update

There is a new software update available, please do not use other programs while updating.

Mode	J2534 Version	Update Version	Files	File Size	State
Software	J-N-H-01-00-0000	J-N-H-01-00-0001	1	3MB	Yes

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The software download is complete.
Please select "Install" to continue the software update.

Minimize	Pause	Install

● User can execute the internet update manually on Setting of J2534 program..

J2534 DIAGNOSTIC TOOL ⌂

HMAJ2534 ⚙ Setting

Fault Code Searching

DTC Analysis

Data Analysis

Actuation Test

ECU Infomation

Vehicle S/W
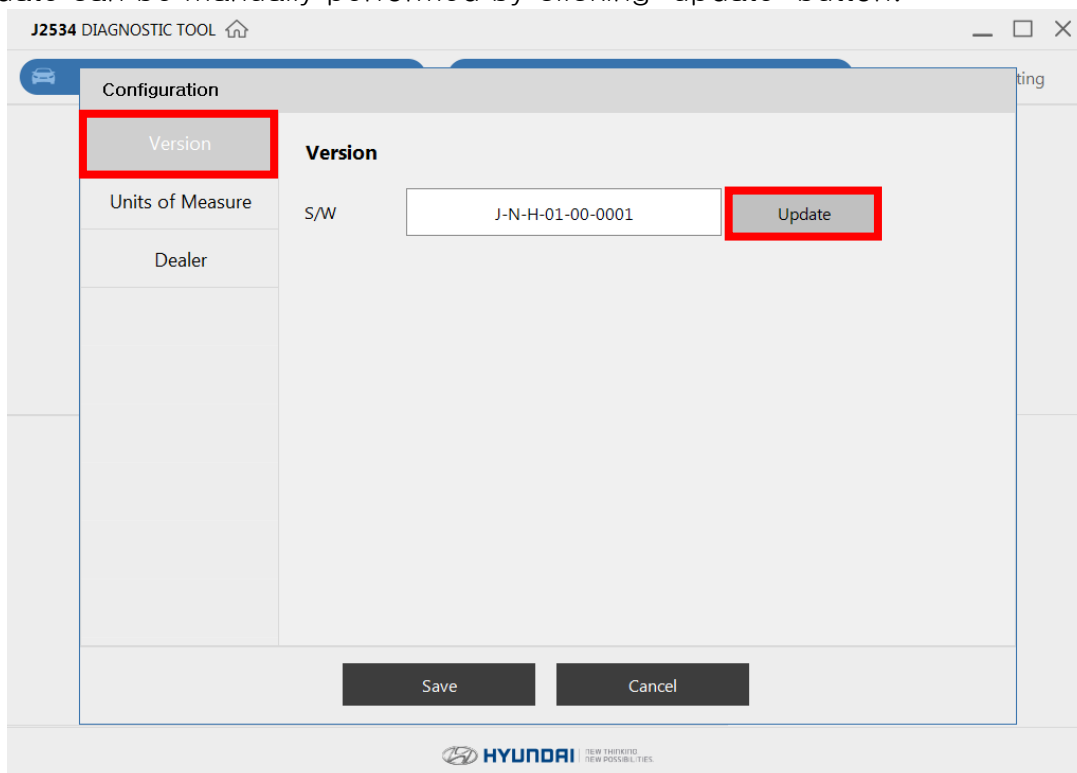
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▊ Setting

- Setting provides update version, internet update, changing units, and dealer information.
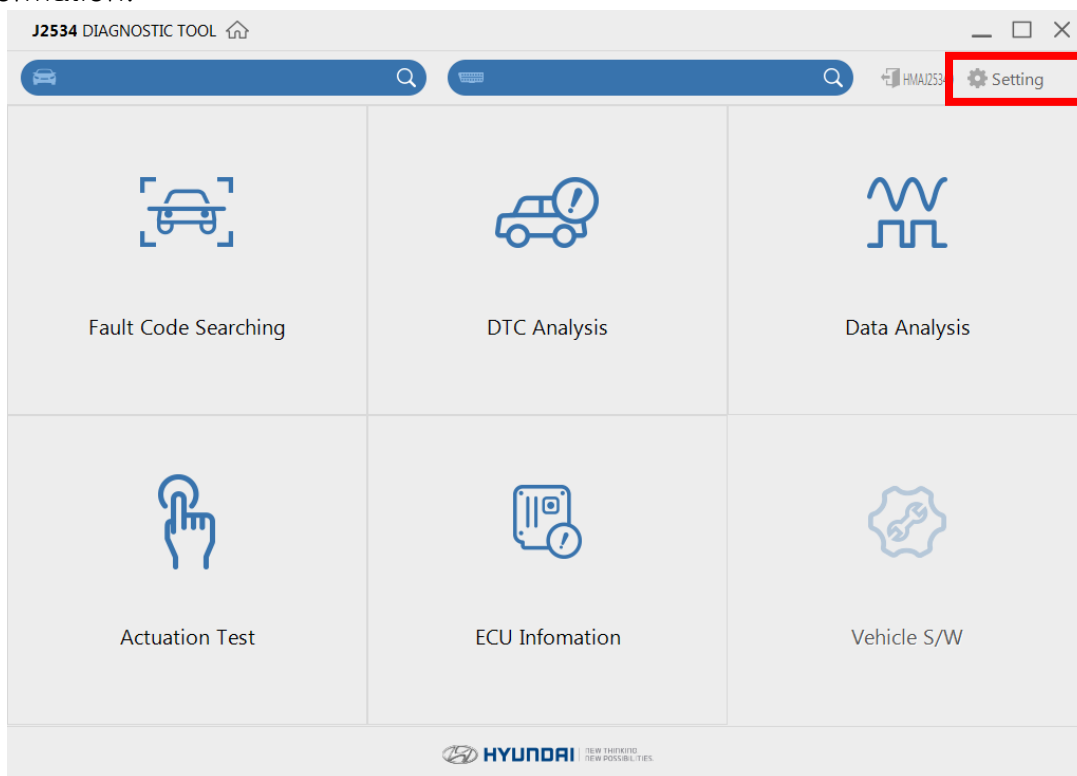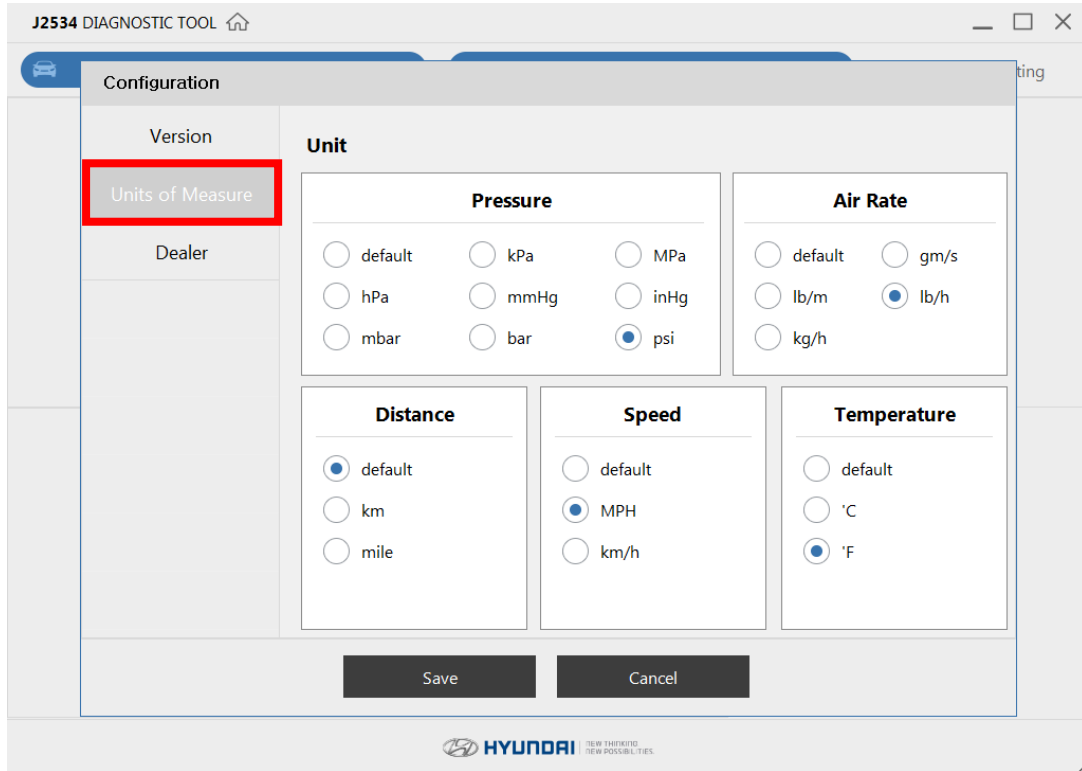

- ### Version

  Displays update version related to vehicle dianostic function. The latest internet update can be manually performed by clicking 'update' button.
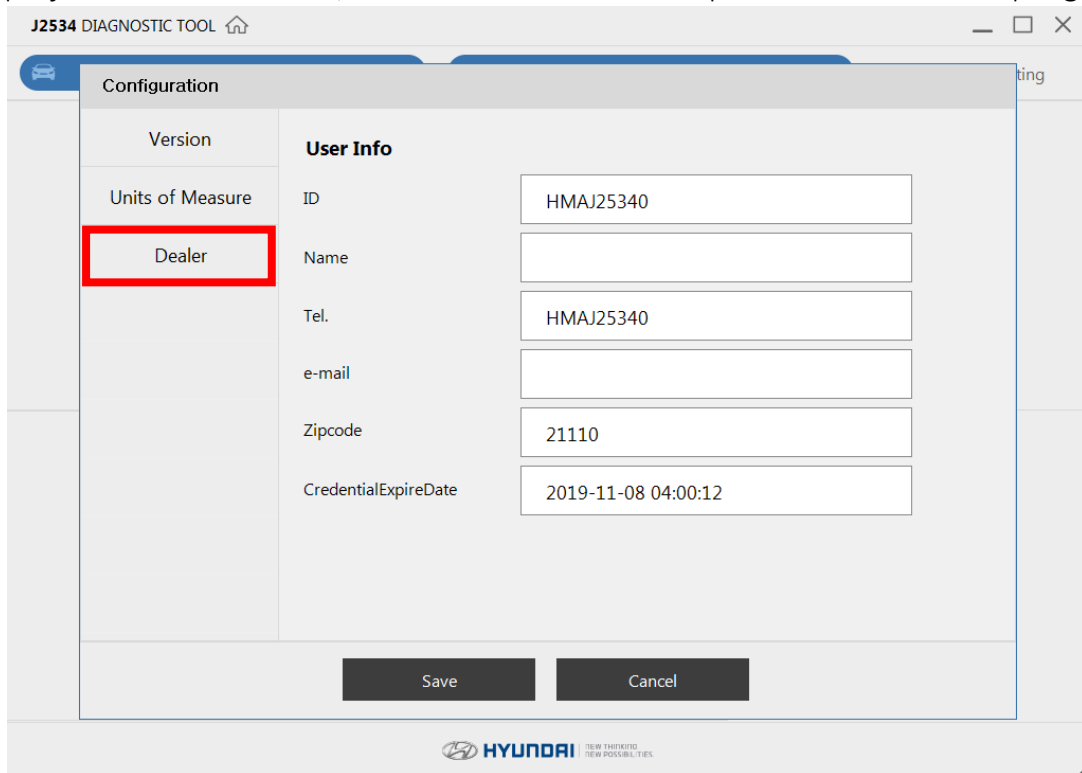
- **Units of Measure**

    Provides units of senser data. The default setting unit displays the unit set by ECU directly without converting it into the J2534 program.
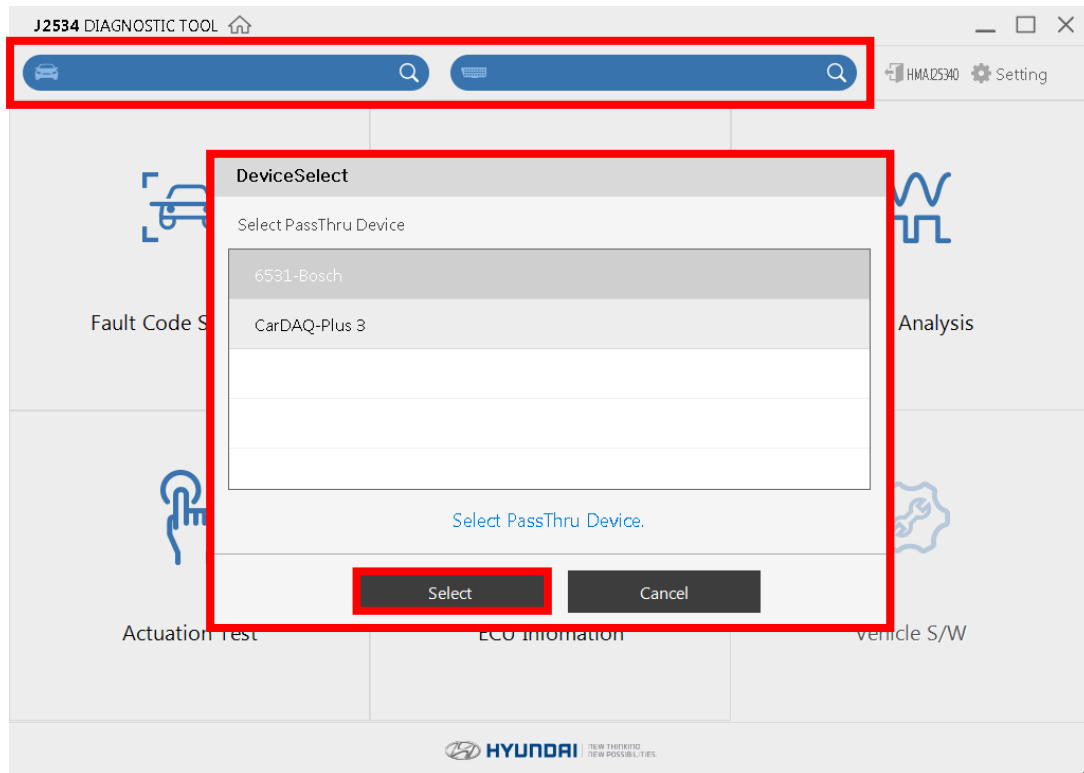

- **Dealer**

    Displays user information, and can be checked expired date of J2534 program.
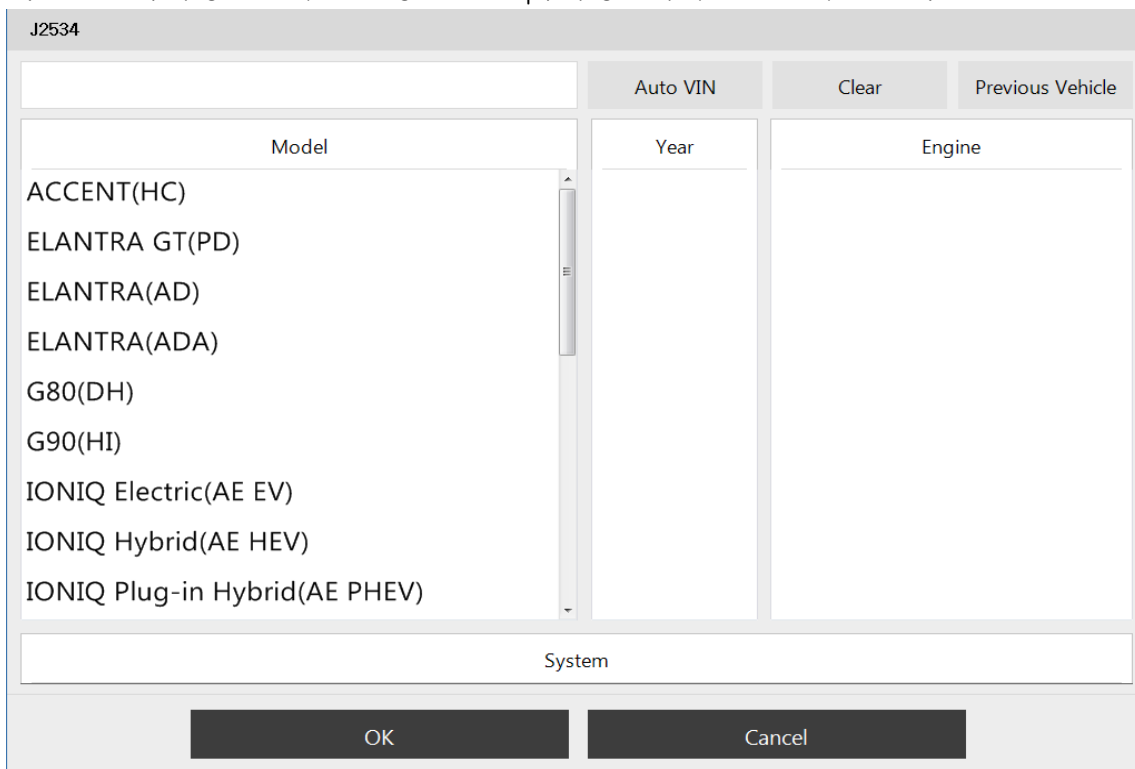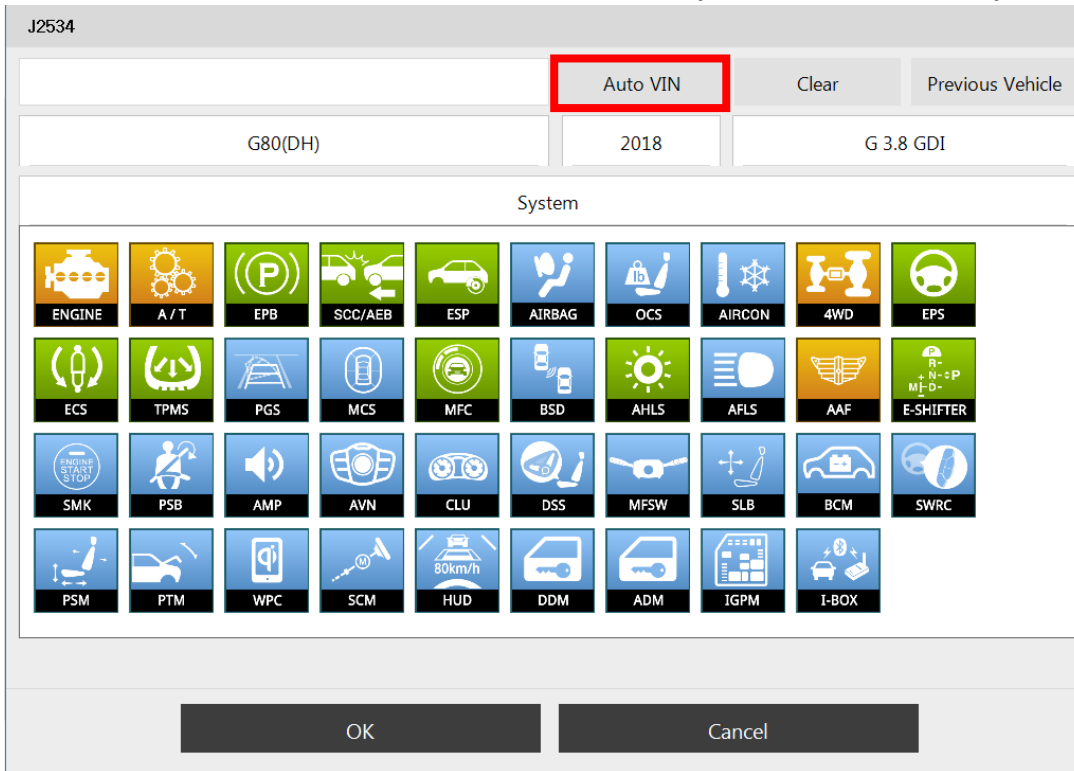
▌Vehicle selection

- When clicking the magnifying glass icon on the top of J2534 main screen, 'Device Select' pop-up appears. Then, the device you are willing to use can be selected or canceled.


- Vehicle selelction can be performed by 3 ways through the vehicle selection window.
  1. Click the Auto VIN button to select a vehicle
  2. Select model, year and engine in order.
  3. Click Previous Vehicle to select previous vehicle at the last.

- Auto VIN reads VIN from ECU, and loads the systems automatically.

- When selecting a vehicle manually, a user needs to choose Model, Year, Engine, and Systems in order.
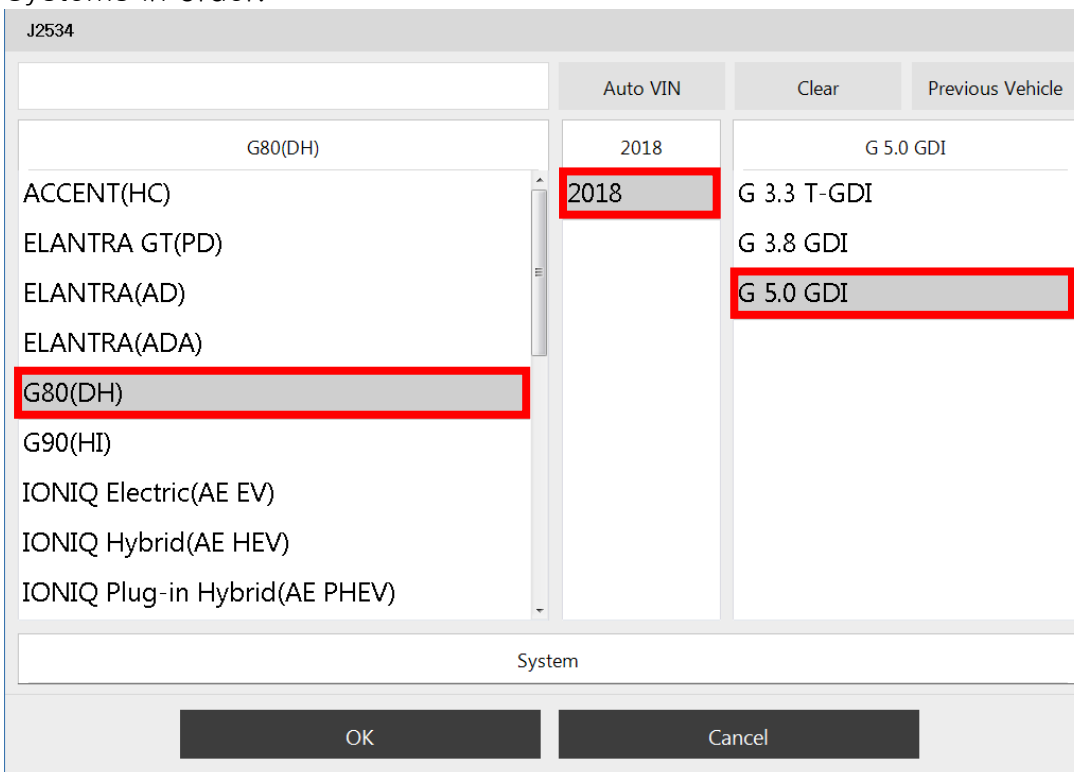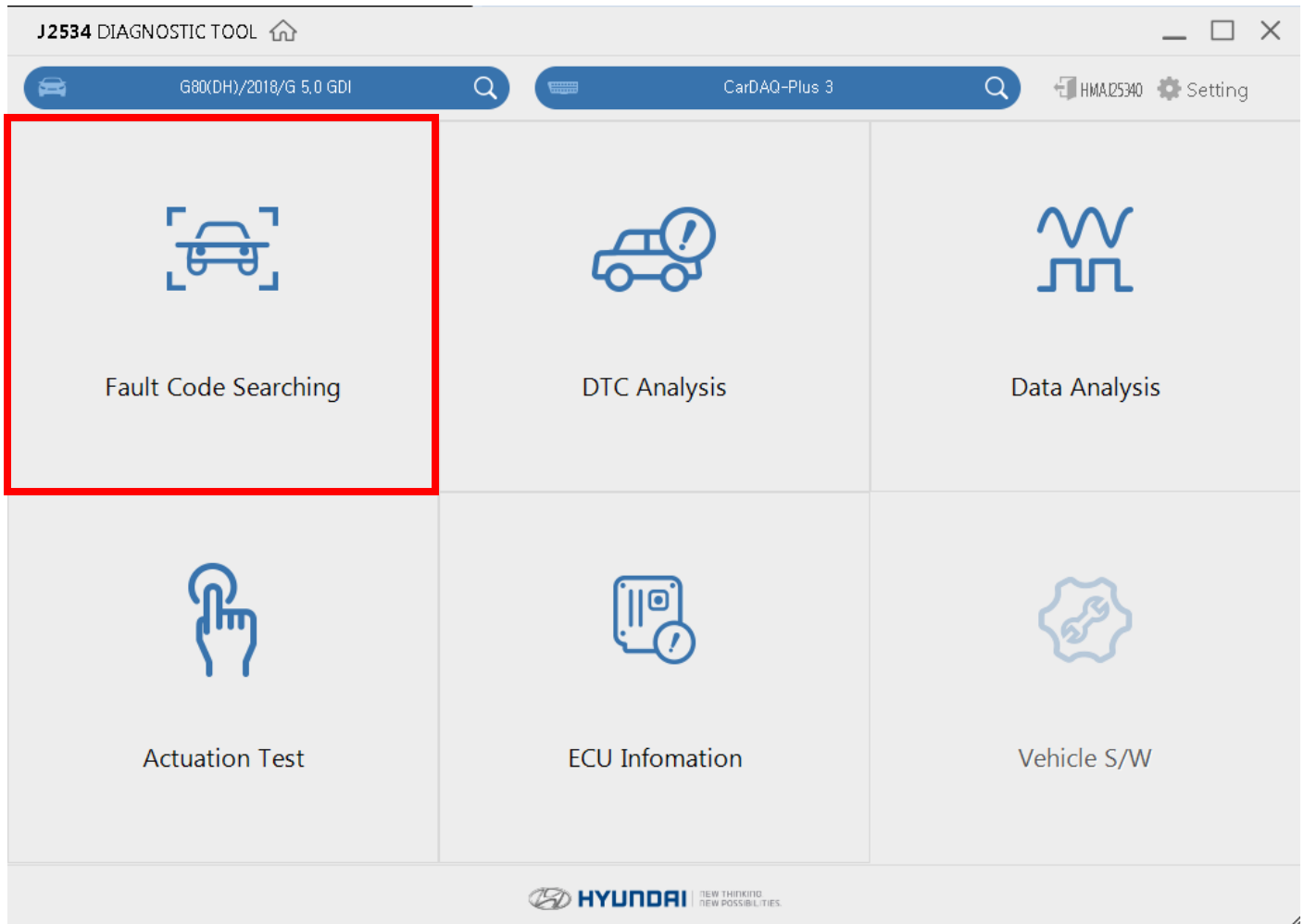
Fault Code Searching provides the diagnostic result of the vehicle by displaying DTC(Diagnostic Trouble Code) which are stored in a number of systems equipped on the vhiecle.
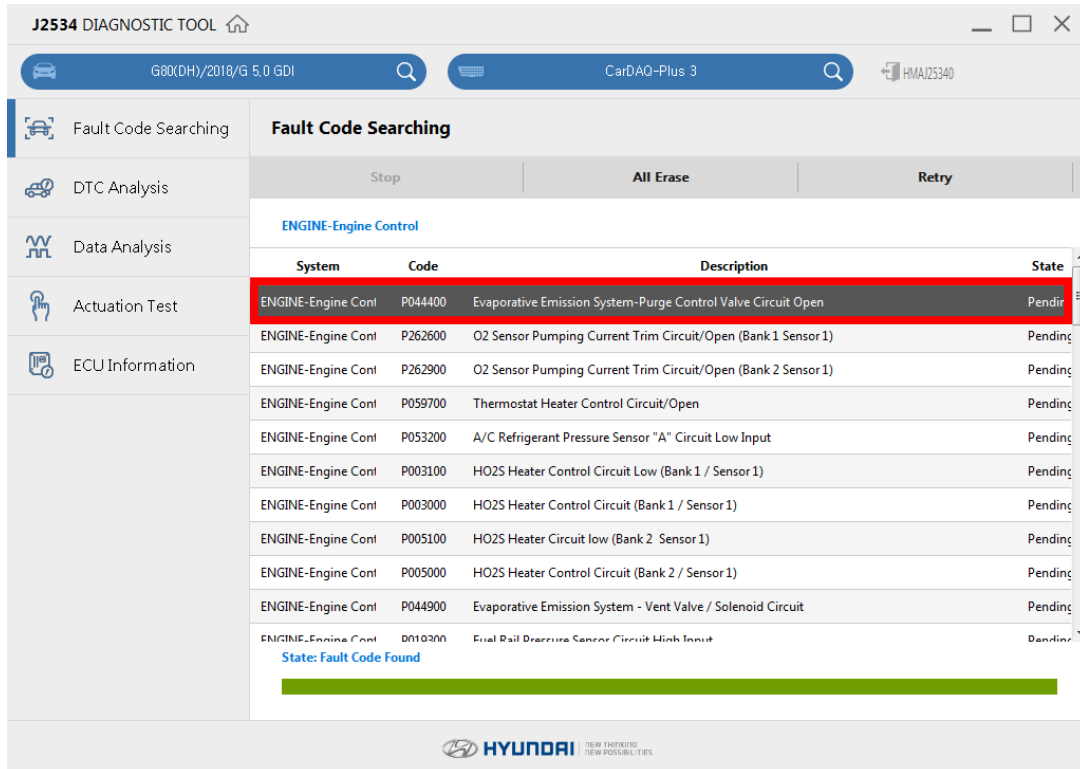
▊ Fault Code Searching

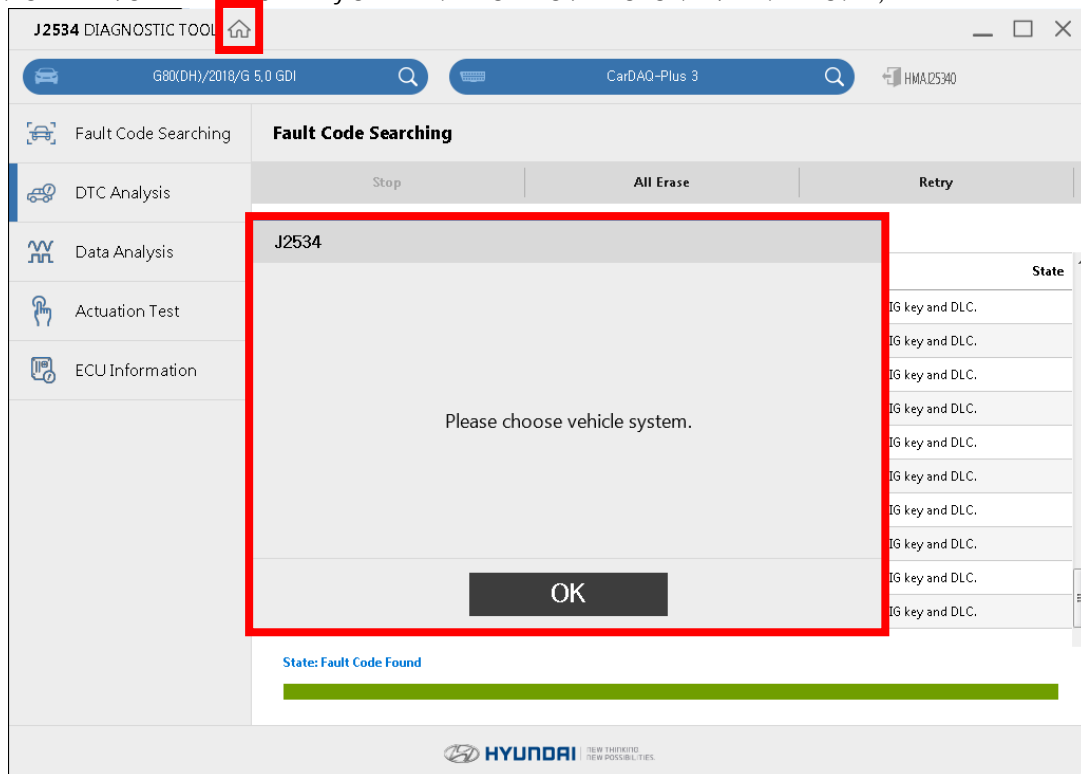- After selecting 'Device' on the vehicle section screen, click 'Fault Code Searching' to use the function.

- The result of the selected vehicle appears to the user after performing diagnostic communication.
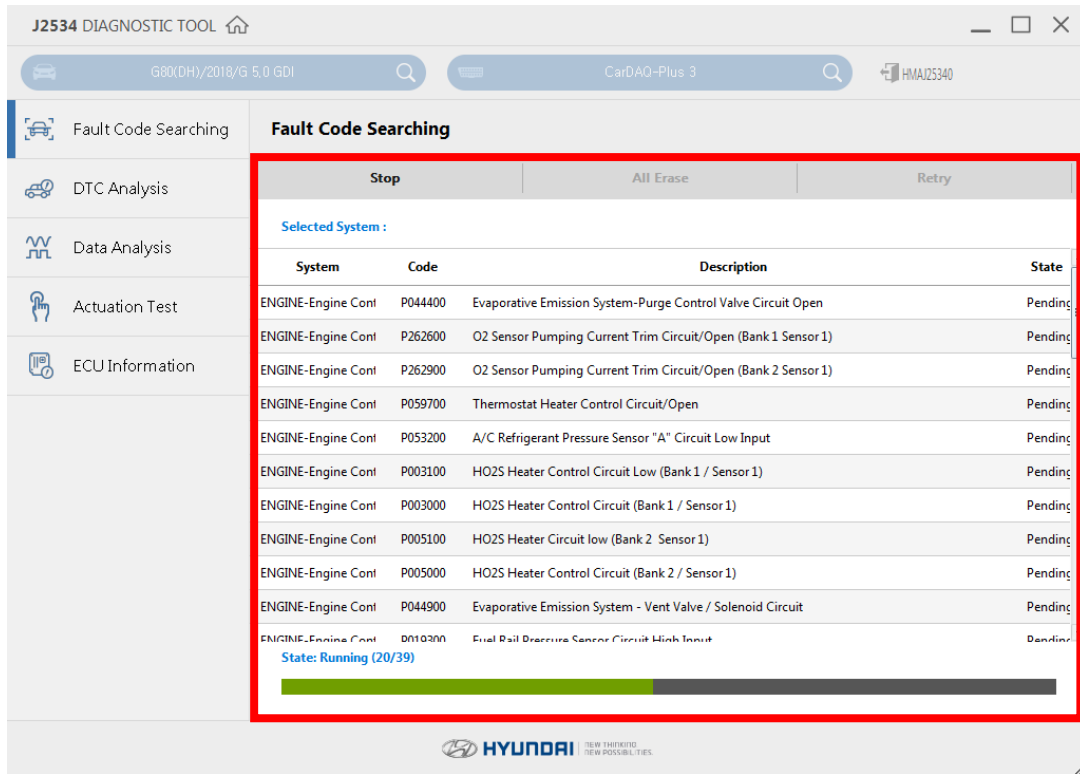
- When selecting the diagnostic trouble code,you can go to DTC Analysis, Data Analysis, Actuation Test, and ECU Information.

● If you don't select diagnostic trouble code, you are not able to move DTC Analysis, Data Analysis, Actuation Test, and ECU Information. Click the Home button, or select dianostic trouble code if you want to move to other functions,

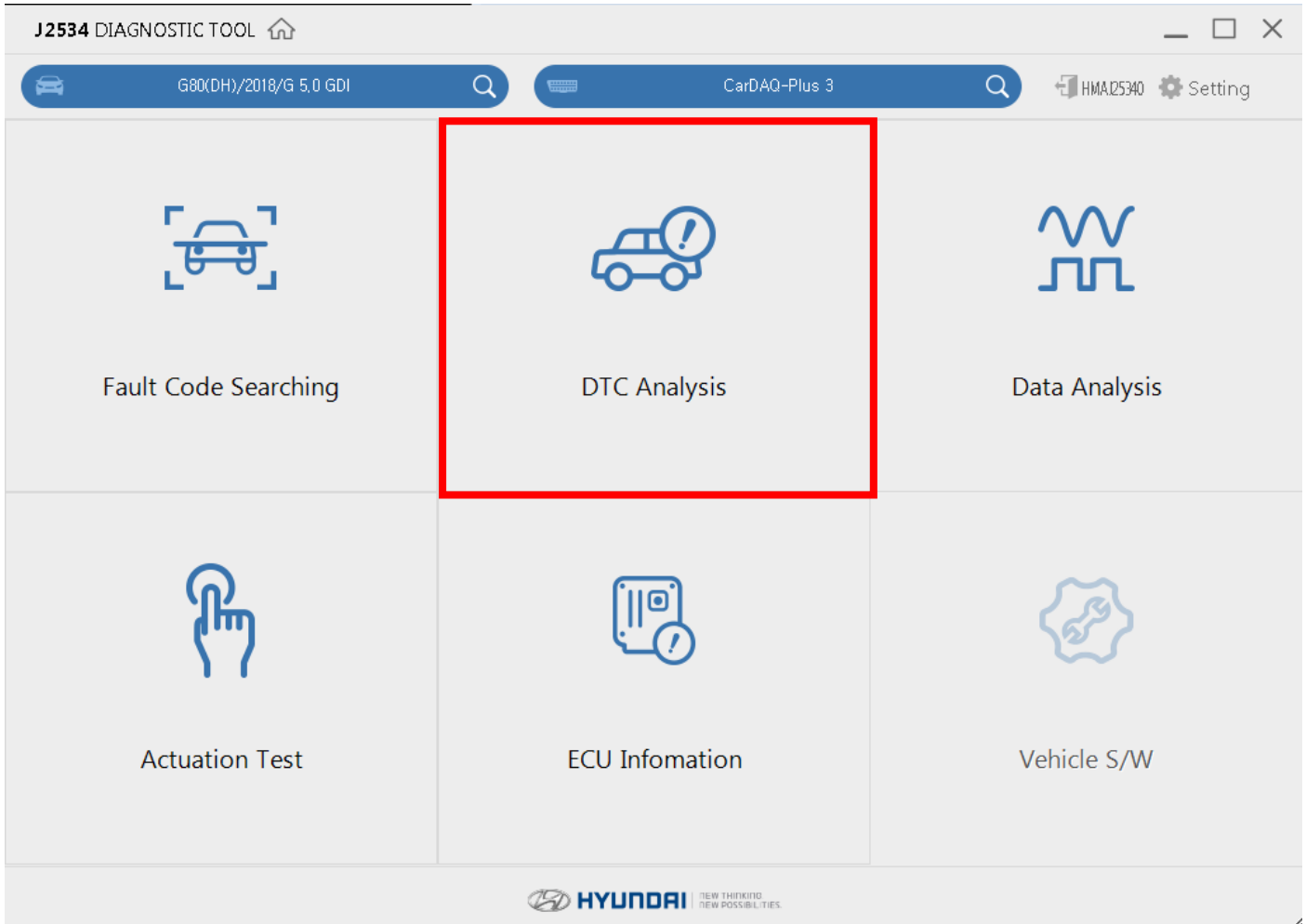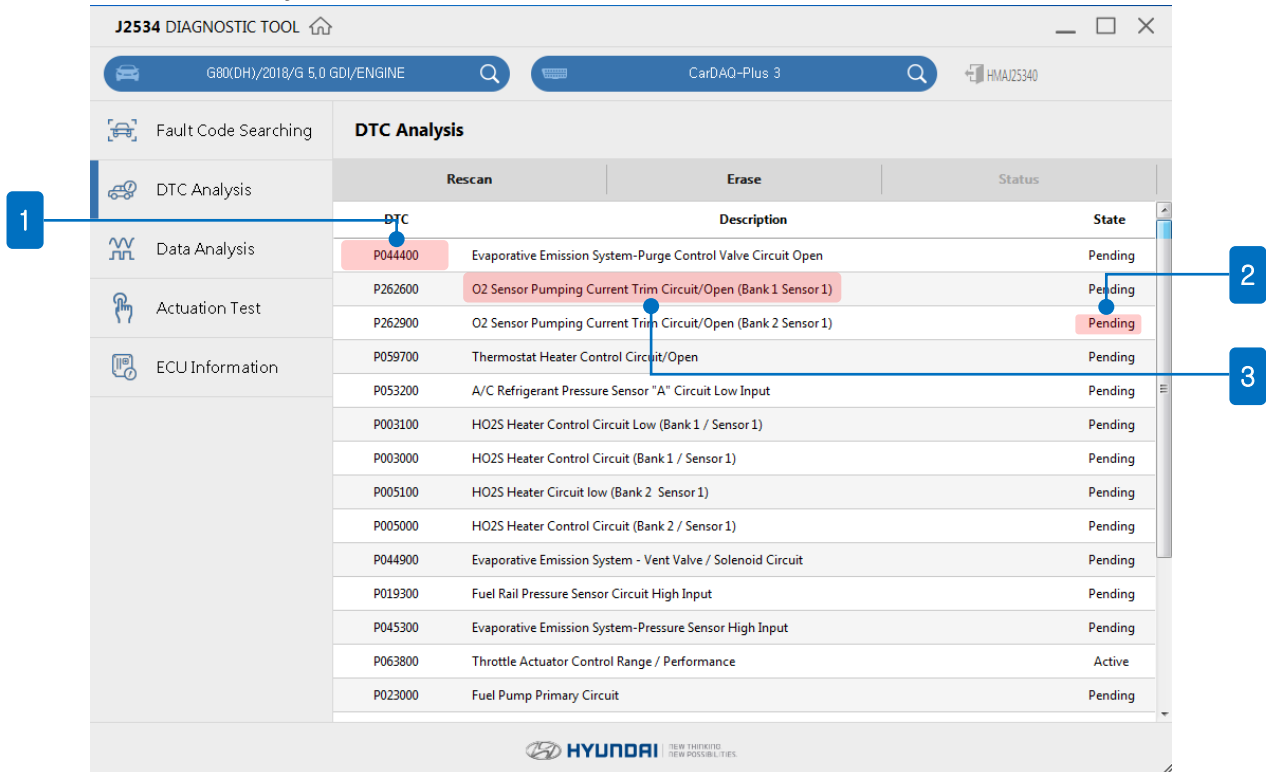DTC Analsysis search DTC stored in systems on the vehicle, and analysis the trouble code by detail information.

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▌ DTC Analysis

- After selecting 'Device' on vehicle section screen, click 'DTC Analsysis' to use the function.

● Check DTC Analysis information

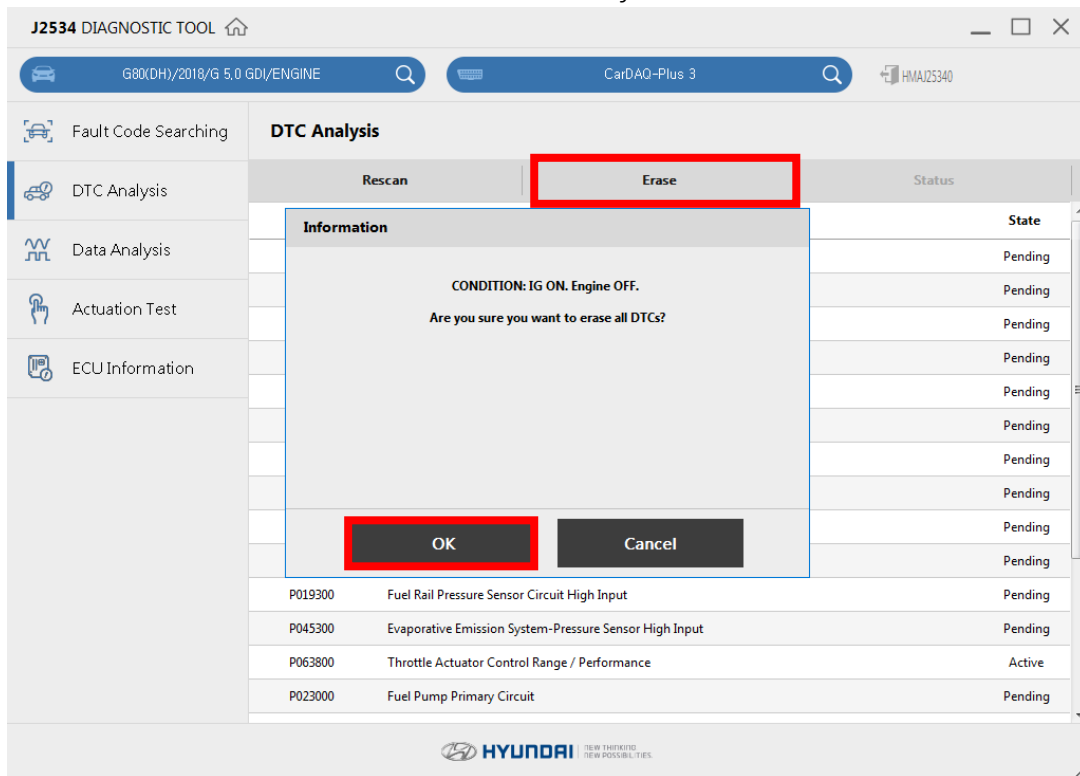| No	Icon	Description
1	DTC	Displays DTC saved in ECU.
2	State	Displays DTC status (Current, History) of ECU
3	Description	Displays DTC description of ECU.

● Rescan
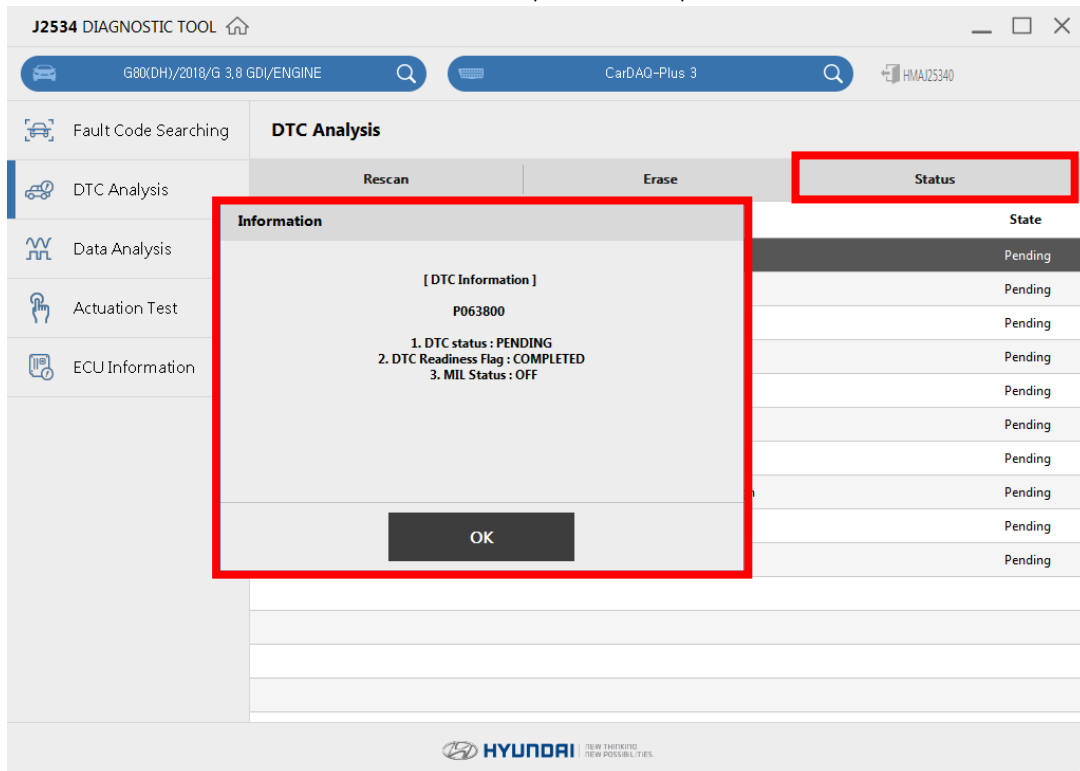   Re-scan the diagnostic trouble code of selected system.
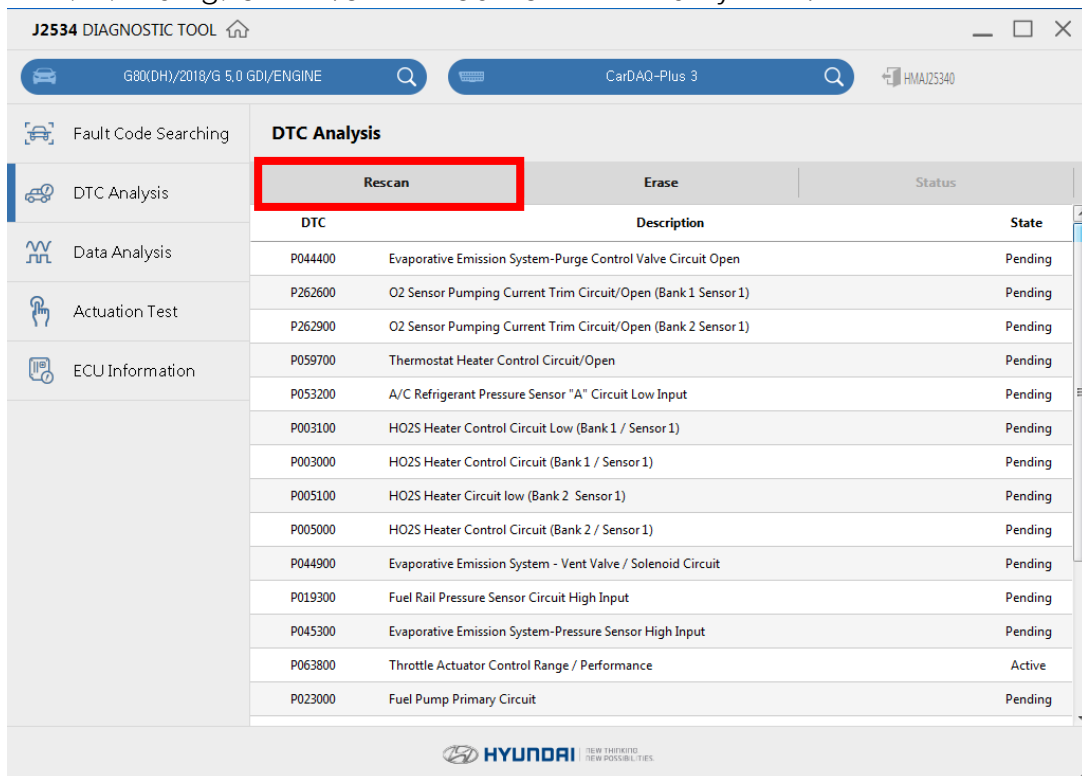
- **Erase**

  Erase all DTCs which are found on current systems.

- **Status**

  Check current DTC status with the simple description.

● Switch other diagnostic functions.

Diagnostic functions can be switched while the communication keeps between J2534 program and the vehicle.

- Fault Code Searching
- Data Analysis
- Actuation Test
- ECU Information

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DTC Analysis

Fault Code Searching				

DTC Analysis	Rescan	Erase	Status	

Data Analysis	**DTC**	**Description**	**State**	
Actuation Test	P044400	Evaporative Emission System-Purge Control Valve Circuit Open	Pending	
ECU Information	P262600	O2 Sensor Pumping Current Trim Circuit/Open (Bank 1 Sensor 1)	Pending	
	P262900	O2 Sensor Pumping Current Trim Circuit/Open (Bank 2 Sensor 1)	Pending	
	P059700	Thermostat Heater Control Circuit/Open	Pending	
	P053200	A/C Refrigerant Pressure Sensor "A" Circuit Low Input	Pending	
	P003100	HO2S Heater Control Circuit Low (Bank 1 / Sensor 1)	Pending	
	P003000	HO2S Heater Control Circuit (Bank 1 / Sensor 1)	Pending	
	P005100	HO2S Heater Circuit low (Bank 2 Sensor 1)	Pending	
	P005000	HO2S Heater Control Circuit (Bank 2 / Sensor 1)	Pending	
	P044900	Evaporative Emission System - Vent Valve / Solenoid Circuit	Pending	
	P019300	Fuel Rail Pressure Sensor Circuit High Input	Pending	
	P045300	Evaporative Emission System-Pressure Sensor High Input	Pending	
	P063800	Throttle Actuator Control Range / Performance	Active	
	P023000	Fuel Pump Primary Circuit	Pending	

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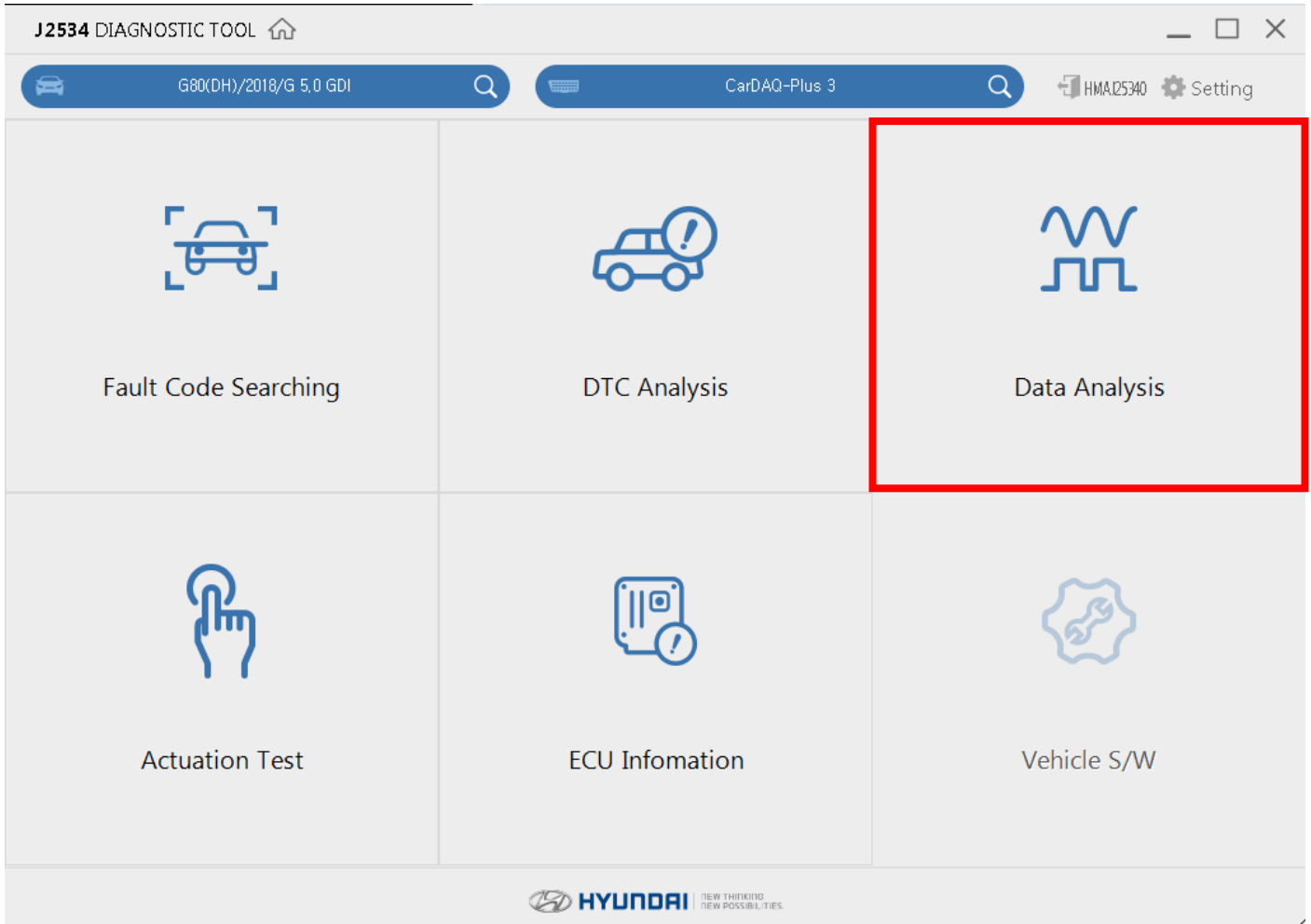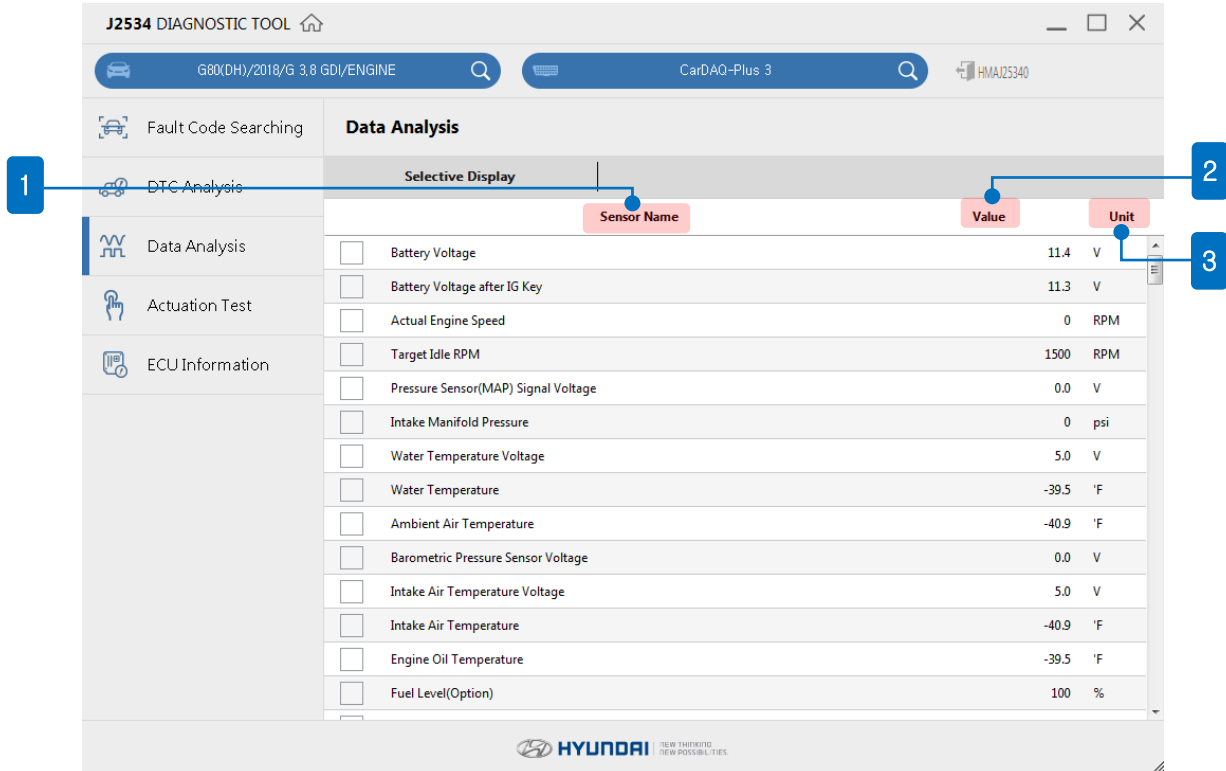
Data Anlaysis communicates with the ECU, and provide to check the operation status of sensors and actuators of the systems equipped on the vehicle.

█ Data Analysis

- After selecting 'Device' on the vehicle section screen, click 'Data Anlaysis' to use the function.
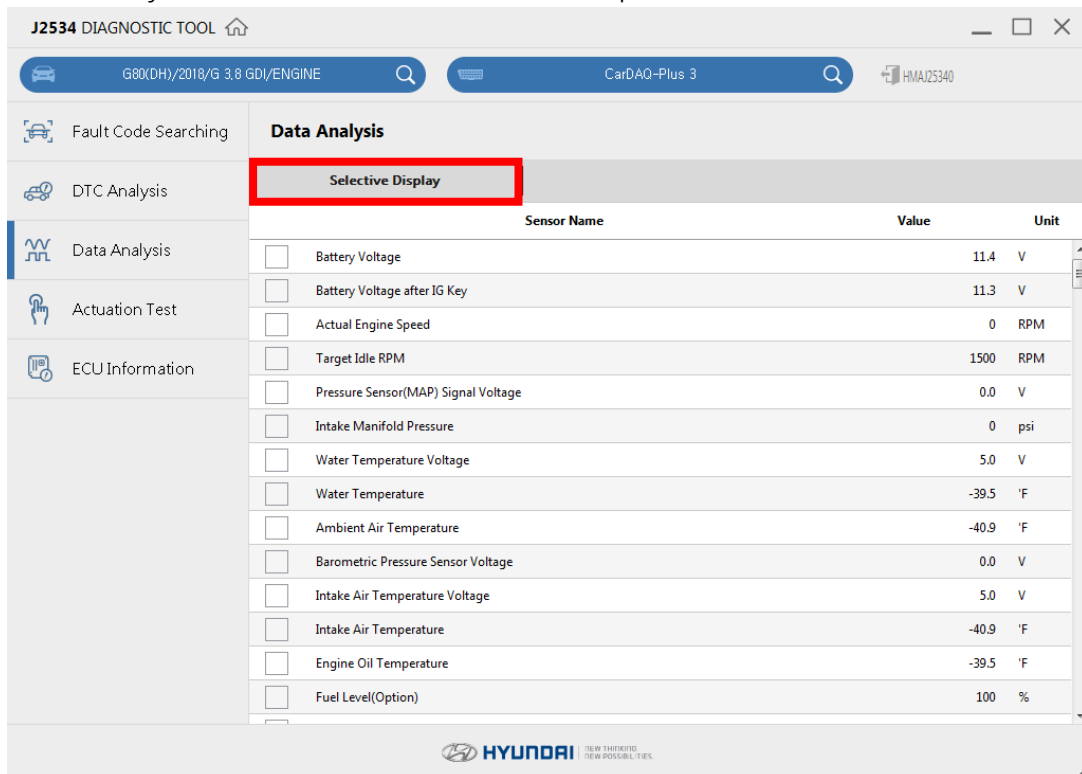
● Check the information of Data Analsyis.

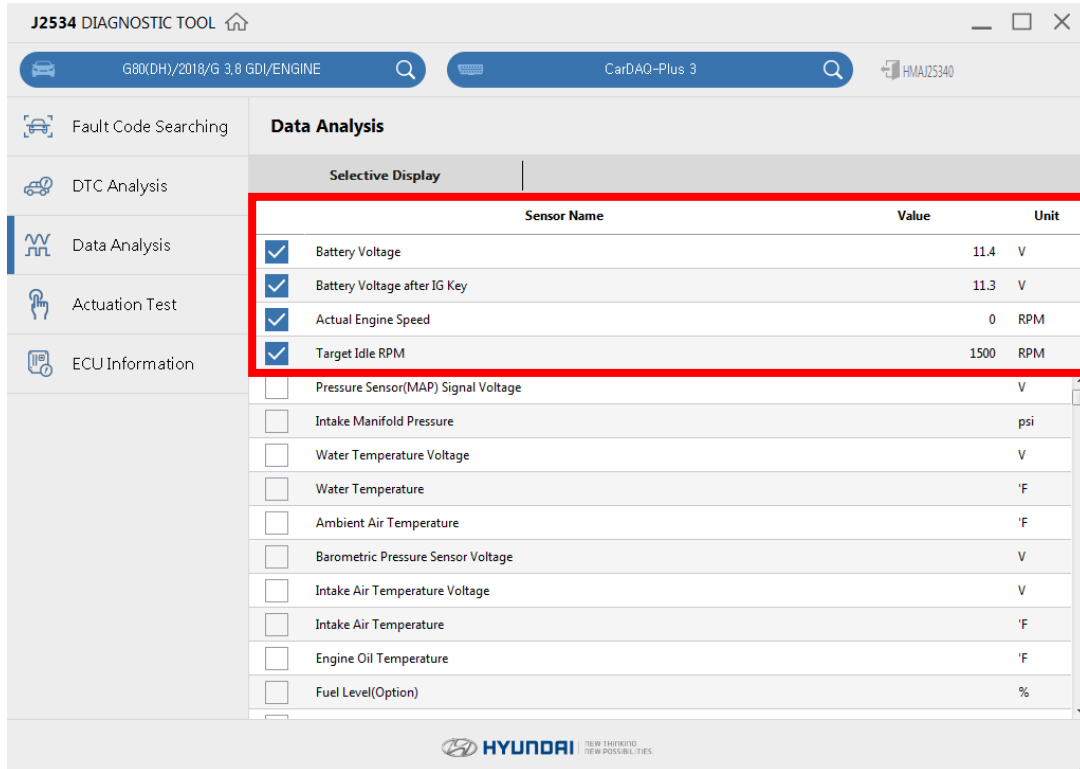| No	Description
1	Name of Sersor data
2	Value of Sensor data
3	Unit of Sensor data

● Selective Display
Sensor data you need can be fixed at the top of the screen.

- **Check/uncheck sensor data items**

  Blue check box is activated and fixed at the top if you select the sensor data item. If you want to turn back and uncheck, select the sensor data again.

- **Switch other diagnostic functions.**

  Diagnostic functions can be switched while the communication keeps between J2534 program and the vehicle.

  - Fault Code Searching
  - Data Analysis
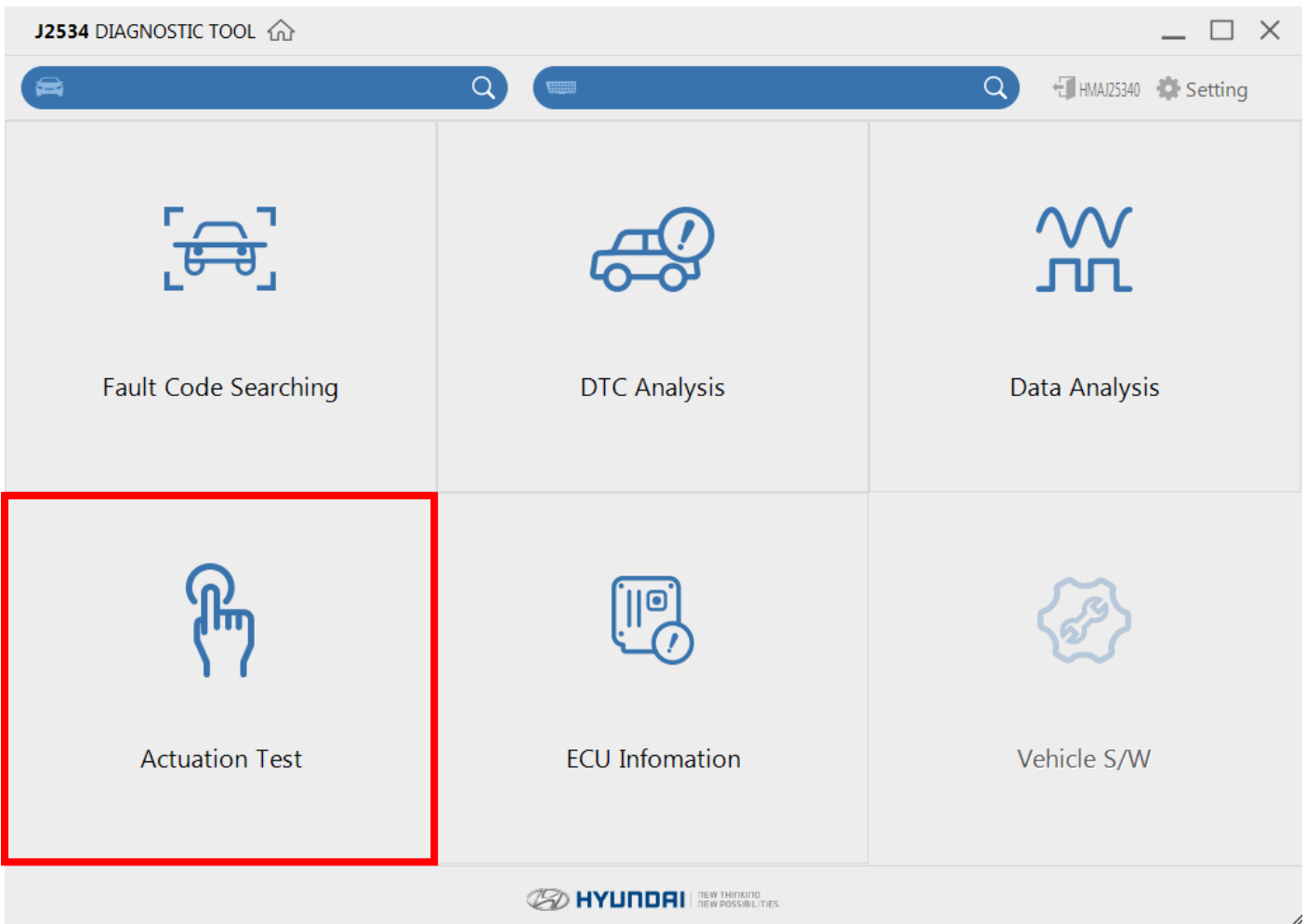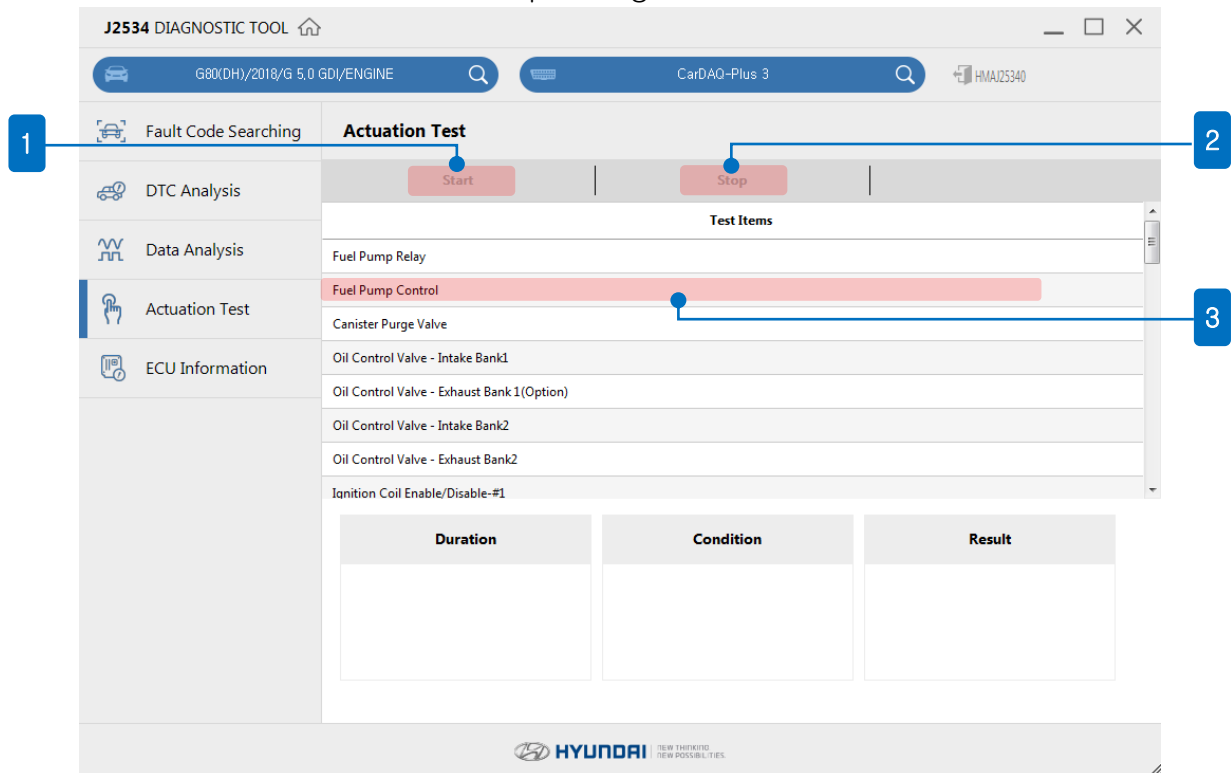 - Actuation Test
  - ECU Information
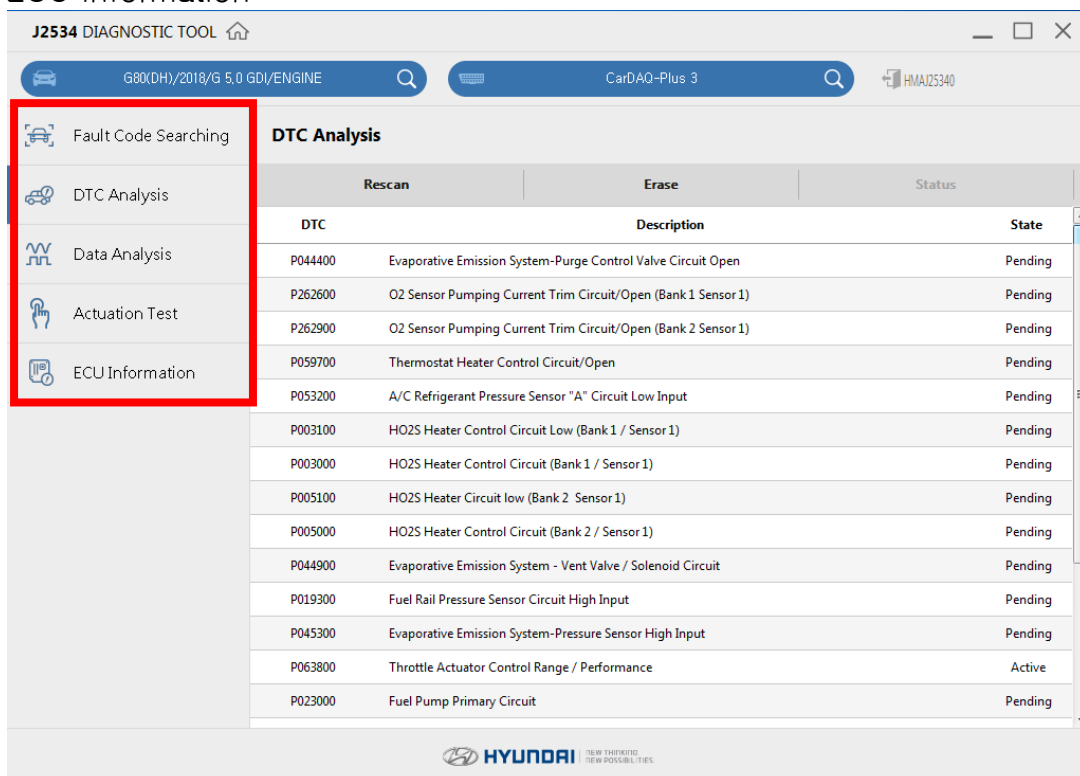
Actuation Test provides to control actuators of vehicle systems by controlling ECU, and to check whether there is an abnormality.

Actuation Test

- After selecting 'Device' on the vehicle section screen, click 'Actuation Test' to use the function.

- Test items which should be supported by ECU appear with Duration, Condition, and Result.

- Test items can be different depending on ECU of the vehicle.

No	Icon	Description
1	Start	Start Actuation test.
2	Stop	Stop Actuation test.
3	Test Items	Select the sensor data on Actuation test.

💡 If needed, Actuation Test can be stopped depending on the test items using by [Stop] button.
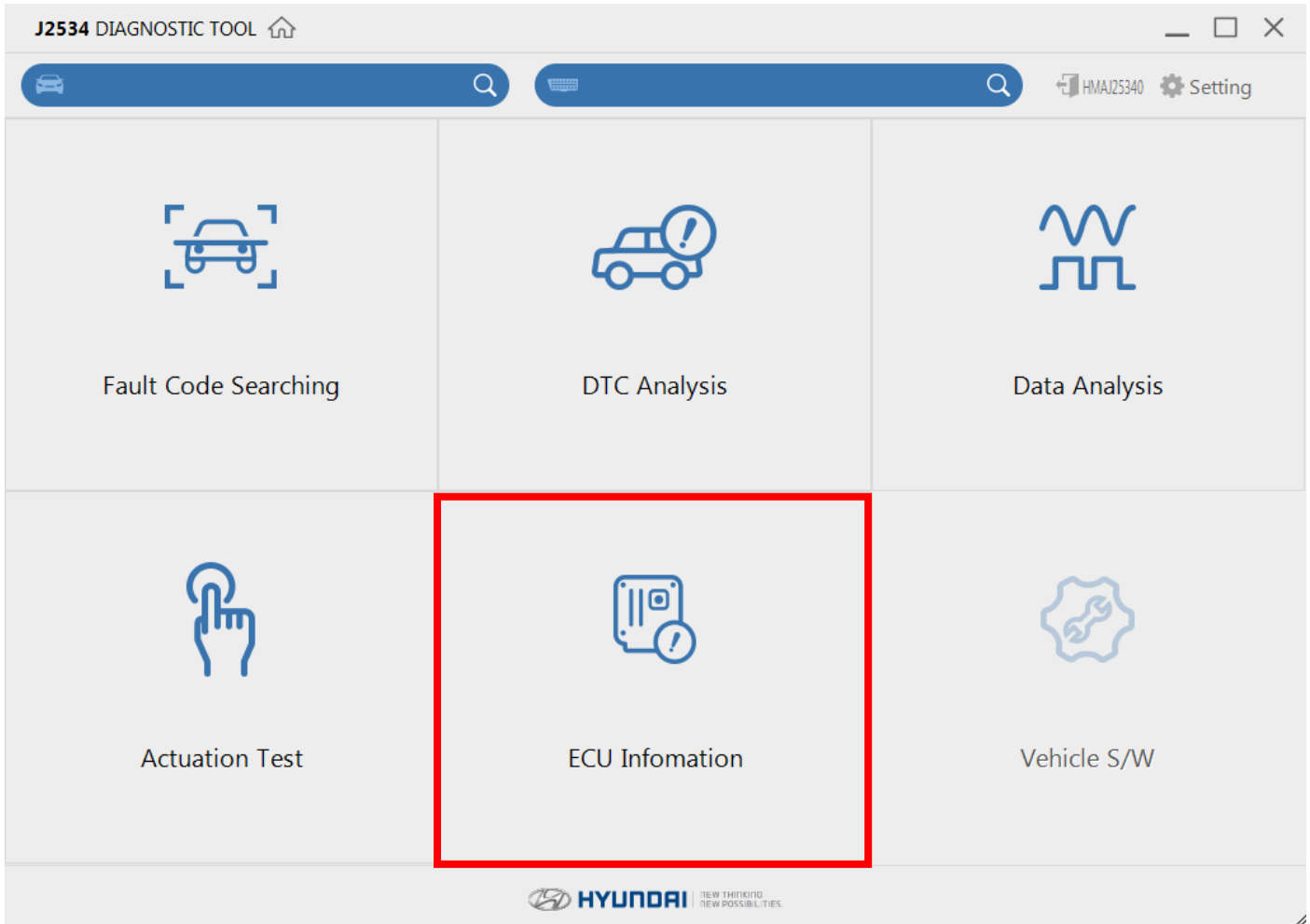
ECU(Electronic Control Unit) information provides reading specification of the systems equipped on the vehicle.

ECU Infomation

▌ECU Infomation

● After selecting 'Device' on the vehicle section screen, click 'ECU information' to use the function.

● ECU information which you selected on the vehicle selction will display on the screen.

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ECU Information   25

- 🚘 Fault Code Searching
- 🚗 DTC Analysis
- 〰 Data Analysis
- ✋ Actuation Test
- ECU Information

- CalibrationRepairShopCodeOrCalibrationEquipmentSerialNumber :
- Calibration Date : 00000000
- Boot S/W ID:
- Application S/W ID : 0000000000
- VIN :
- Vehicle Manufacturer ECU Hardware Number :GDP-KN0GFS1-E200
- System Supplier ECU Hardware Number :0261S14678
- System Supplier ECU S/W No. :DCAE03J3
- System Supplier ECU Software Version Number :
- repairShopCodeOrTesterSerialNumber :
- Programming Date :00000000

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💡 Only single system can be communicated when you select a vehicle. The Information of specification is supported only if ECU(Electronic Control Unit) provides the information on the vehicle.