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ECU Infomation	



#### 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 DIAGNOSTIC TOOL 🏠		_ 🗆 X
<b>A</b>	Q (=	Q 🕣 Login 🔅 Setting
Login	You Must have an internet connection to Log-in, press "Cancel" to return.	
Fault Code Searchi IE Pa	assword	Data Analysis
የግ	Save ID Log in Cancel	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Actuation Test	ECU Infomation	Vehicle S/W

## J2534 Login

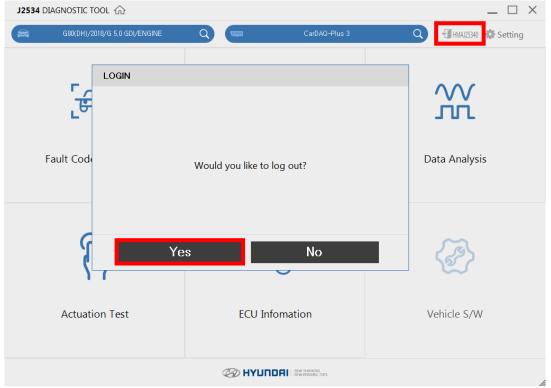
- When you start J2534, you will see the Login window. Try to login with ID and password which are provided by program administrator. And then, main window of J2534 will be opened. Check the Save ID item if you want to remember the last login information.
- J2534 program will be updated automatically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

Login	
	st have an internet connection to g-in, press "Cancel" to return.
ID	
Password	
	Save ID
Log	g in Cancel

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.

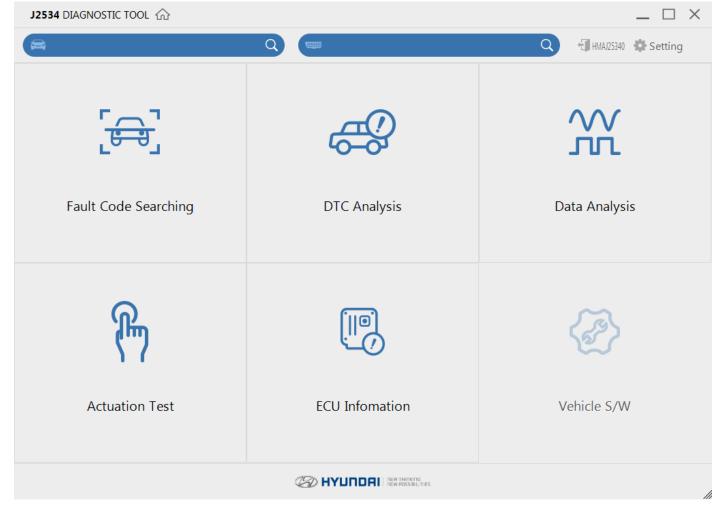






#### Main screen

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

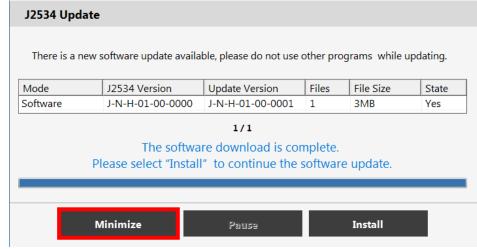
J2534 DIAGNOSTIC TOOL 🏠	OOL 슈
-------------------------	-------

J2534 DIAGNOSTIC	TOOL 🏠						_ 🗆 ×
<b>A</b>		Q (	3			Q film	MAJ25340 🚯 Setting
۲. ۲	<b>→</b> "		(?)			$\sim$	V
LŬ	J2534 Update	,					L
Fault Coc	There is a new	software update availa	ible, please do not use	other pro	grams while u	pdating.	lysis
	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	
(	P	The softwa lease select "Instal	1/1 are download is con I" to continue the		e update.		>
	r	Minimize	ระกระ		Install		
Actua	tion Test		ECU Infomation			Vehicle	e S/W
		D		ES.			li

Internet update installation will be started by clicking 'Install' button. 

J2534 Upda	<b>ate</b> ew software update availa	ible, please do not use	other pro	ograms while u	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
	The softwa Please select "Instal	re download is con I" to continue the		e update.	
	Minimize	Pausa		Install	

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



User can execute the internet update manually on Setting of J2534 program..
 J2534 DIAGNOSTIC TOOL ☆

A	Q (=	Q 🗐 HMAJ2534 🌞 Setting
Fault Code Searching	DTC Analysis	Data Analysis
Actuation Test	ECU Infomation	Vehicle S/W



## Setting

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

J2534 DIAGNOSTIC TOOL 企						
<b>A</b>	Q (	🔾 📲 HMAJ253- 🏶 Setting				
Fault Code Searching	DTC Analysis	Data Analysis				
Actuation Test	ECU Infomation	Vehicle S/W				

## • Version

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

J2534	DIAGNOSTIC TOOL 🏠					[	$\square \times$
8	Configuration						ting
	Version	Version					
	Units of Measure	S/W	J-N-H-	01-00-0001	Update		
	Dealer				-		
			Save	Cancel			

## • 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.

J2534	DIAGNOSTIC TOOL 🏠			_ [	X
	Configuration			ti	ng
	Version	Unit			
	Units of Measure	Pres	sure	Air Rate	
	Dealer	hPa i	kPa MPa mmHg inHg par • psi	<ul> <li>default gm/s</li> <li>lb/m ● lb/h</li> <li>kg/h</li> </ul>	
		Distance • default km mile	Speed default MPH km/h	Temperature       default       'C       'F	
		Save	Cancel		
		C HY			1

## • Dealer

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

Configuration			t
Version	User Info		
Units of Measure	ID	HMAJ25340	
Dealer	Name		
	Tel.	HMAJ25340	
	e-mail		
	Zipcode	21110	
	CredentialExpireDate	2019-11-08 04:00:12	
	Save	Cancel	



## 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.

J2534 DIAGNOSTIC TOOL					_ 🗆 ×
â	٩	Recently in the second s		٩	🕣 HMA 125340 🔅 Setting
<b>۲</b>	DeviceSelect				$\sim$
_ <del>C</del>	Select PassThru Device				່າ
	6531-Bosch				
Fault Code S	CarDAQ-Plus 3				Analysis
୍					$\sim$
<u>الب</u>		Select PassThr	u De <mark>vic</mark> e.		Se la
)		elect	Cancel		~
A -t					
Actuation		ECO INIÓN		Ve	enicle S/W
		🕼 НҮШПОА	NEW THINKING NEW POSSIBILITIES.		

- Vehicle selection 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.
  - J2534

	Auto VIN	Clear	Previous Vehicle
Model	Year	Engi	ine
ACCENT(HC)			
ELANTRA GT(PD)			
ELANTRA(AD)			
ELANTRA(ADA)			
G80(DH)			
G90(HI)			
IONIQ Electric(AE EV)			
IONIQ Hybrid(AE HEV)			
IONIQ Plug-in Hybrid(AE PHEV)			
Syste	em		
ОК	C	ancel	1

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

J2534					
	Auto VIN	Clear	Previous Vehicle		
G80(DH)	2018	G 3.8 GDI			
Syst	em				
ENGINE A/T EPB SCC/AEB ESP AIR	BAG OCS A	IRCON	EPS		
Image: Constraint of the sector of the se	D AHLS	AFLS AAF	R- N-≎P MD- E-SHIFTER		
SMK PSB AMP AVN CLU D	SS MFSW	SLB BCM	SWRC		
PSM PTM WPC SCM HUD DC		GPM I-BOX			
ОК	Ca	incel			

• When selecting a vehicle manually, a user needs to choose Model, Year, Engine, and Systems in order.

J2534											
	Auto VIN	Clear	Previous Vehicle								
G80(DH)	2018	G 5.0	) GDI								
ACCENT(HC)	2018	G 3.3 T-GDI									
ELANTRA GT(PD)		G 3.8 GDI									
ELANTRA(AD)		g 5.0 gdi									
ELANTRA(ADA)											
G80(DH)											
G90(HI)											
IONIQ Electric(AE EV)											
IONIQ Hybrid(AE HEV)											
IONIQ Plug-in Hybrid(AE PHEV)											
Syst	System										
ОК	Ca	ancel									





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.

J2534 DIAGNOSTIC TOOL		_ 🗆 ×
G80(DH)/2018/G 5,0 GDI	Q 📟 CarDAQ-Plus 3	Q 🚽 HMA 125340 🎄 Setting
Fault Code Searching	DTC Analysis	Data Analysis
Actuation Test	ECU Infomation	Vehicle S/W

• The result of the selected vehicle appears to the user after performing diagnostic communication.

J2534 DIAGNOSTIC TOOL 企							_ 🗆 ×	
8			Q (			Q	₩AJ25340	
[ <del>a]</del> ]	Fault Code Searching	Fault Code Se	arching					
æ	DTC Analysis	Sto	р		All Erase		Retry	
XX	Data Analysis	Selected System :						
л	Data Anarysis	System	Code		Description			State
æ	Actuation Test	ENGINE-Engine Cont	P044400	Evapora	tive Emission System-Purge Control Valve Circuit	Open		Pending
		ENGINE-Engine Cont	P262600	O2 Sens	or Pumping Current Trim Circuit/Open (Bank 1 Se	nsor 1)		Pendinc
P	ECU Information	ENGINE-Engine Cont	P262900	O2 Sens	or Pumping Current Trim Circuit/Open (Bank 2 Se	nsor 1)		Pending
		ENGINE-Engine Cont	P059700	Thermo	stat Heater Control Circuit/Open			Pending
		ENGINE-Engine Cont	P053200	A/C Ref	rigerant Pressure Sensor "A" Circuit Low Input			Pending
		ENGINE-Engine Cont	P003100	HO2S H	eater Control Circuit Low (Bank 1 / Sensor 1)			Pending
		ENGINE-Engine Cont	P003000	HO2S H	eater Control Circuit (Bank 1 / Sensor 1)			Pendinc
		ENGINE-Engine Cont	P005100	HO2S H	eater Circuit low (Bank 2 Sensor 1)			Pending
		ENGINE-Engine Cont	P005000	HO2S H	eater Control Circuit (Bank 2 / Sensor 1)			Pending
		ENGINE-Engine Cont	P044900	Evapora	tive Emission System - Vent Valve / Solenoid Circu	iit		Pending
		ENGINE-Engine Cont State: Running (20	DA102AA	Fuel Rai	Drarcura Sancor Circuit High Input			Dending
			Q	D HYL				

• When selecting the diagnostic trouble code, you can go to DTC Analysis, Data Analysis, Actuation Test, and ECU Information.

	G80(DH)/2018/G				CarDAQ-Plus 3		+ HMA125340	. 🗆 X
Ħ	G00(DH)/2010/G	5,0 GDI			CardAQ-Hids 5		TL HMAJ25340	
[ <del>A</del> ]	Fault Code Searching	Fault Code Se	arching					
æ	DTC Analysis	Ste	qq		All Erase		Retry	
Ж	Data Analysis	ENGINE-Engine Co	ontrol					
Jur	2	System	Code		Description			State
ሞ	Actuation Test	ENGINE-Engine Cont	P044400		ve Emission System-Purge Control Valve Cir	·		Pendir
[100]		ENGINE-Engine Cont	P262600	O2 Senso	r Pumping Current Trim Circuit/Open (Bank	:1 Sensor 1)		Pendin
U)	ECU Information	ENGINE-Engine Cont	P262900	O2 Senso	r Pumping Current Trim Circuit/Open (Bank	2 Sensor 1)		Pendin
		ENGINE-Engine Cont	P059700	Thermost	tat Heater Control Circuit/Open			Pendin
		ENGINE-Engine Cont	P053200	A/C Refri	gerant Pressure Sensor "A" Circuit Low Input	t		Pendin
		ENGINE-Engine Cont	P003100	HO2S He	ater Control Circuit Low (Bank 1 / Sensor 1)			Pendir
		ENGINE-Engine Cont	P003000	HO2S He	ater Control Circuit (Bank 1 / Sensor 1)			Pendin
		ENGINE-Engine Cont	P005100	HO2S He	ater Circuit Iow (Bank 2 Sensor 1)			Pendir
		ENGINE-Engine Cont	P005000	HO2S He	ater Control Circuit (Bank 2 / Sensor 1)			Pendin
		ENGINE-Engine Cont	P044900	Evaporati	ve Emission System - Vent Valve / Solenoid G	Circuit		Pendir
		ENGINE-Engine Cont State: Fault Code	DO10200 Found	Fual Rail I	Draceura Sancor Circuit Hinh Innut			Dandir
			75	П нуп				
			×		The Pussibilities.			

• 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,

J253	34 DIAGNOSTIC TOOL	1				_ 🗆 ×	
<b>A</b>	G80(DH)/2018/G	i 5,0 GDI Q		CarDAQ-Plus 3	Q	HMA.25340	
[ <del>A</del> ]	Fault Code Searching	Fault Code Searchi	ng				
æ	DTC Analysis	Stop		All Erase		Retry	
- XX	Data Analysis	J2534				State	
æ	Actuation Test					IG key and DLC.	
P	ECU Information					IG key and DLC. IG key and DLC.	
			Please ch	oose vehicle system.		IG key and DLC.	
						IG key and DLC.	
				IG key and			
						IG key and DLC. IG key and DLC.	
			_			IC housed DLC	
				OK		IG key and DLC.	
		State: Fault Code Found					
			Ø HYL				





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

## DTC Analysis

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

J2534 DIAGNOSTIC TOOL 🏠		_ 🗆 ×
G80(DH)/2018/G 5.0 GDI	Q 📟 CarDAQ-Plus 3	Q 🗐 HMA125340 🔅 Setting
Fault Code Searching	DTC Analysis	<b>Data Analysis</b>
Actuation Test	ECU Infomation	Vehicle S/W

#### • Check DTC Analysis information

J2534 D	DIAGNOSTIC TOOL 🏠					-	_	$\times$
<b>A</b>	G80(DH)/2018/G 5.0 0	idi/ENGINE	Q	CarDAQ-Plus 3	Q	HMAJ25340		
[ <del>ə]</del> Fai	ult Code Searching	DTC Analy	sis					
er DT	°C Analysis		Rescan	Erase		Status		
		pic		Description			State	1
💥 Da	ata Analysis	P044400	Evaporative Emission Sy	ystem-Purge Control Valve Circuit Open			Pending	
<b>@</b>		P262600	O2 Sensor Pumping Cu	rrent Trim Circuit/Open (Bank 1 Sensor 1)			Pending	
P Ac	tuation Test	P262900	O2 Sensor Pumping Cu	rrent Trin Circuit/Open (Bank 2 Sensor 1)			Pending	
EC	U Information	P059700	Thermostat Heater Con	trol Circuit/Open			Pending	
<u>co</u> 10	.o mormation	P053200	A/C Refrigerant Pressur	re Sensor "A" Circuit Low Input			Pending	Ξ
		P003100	HO2S Heater Control C	ircuit Low (Bank 1 / Sensor 1)			Pending	
		P003000	HO2S Heater Control C	ircuit (Bank 1 / Sensor 1)			Pending	
		P005100	HO2S Heater Circuit Iov	w (Bank 2 Sensor 1)			Pending	
		P005000	HO2S Heater Control C	ircuit (Bank 2 / Sensor 1)			Pending	
		P044900	Evaporative Emission Sy	ystem - Vent Valve / Solenoid Circuit			Pending	
		P019300	Fuel Rail Pressure Senso	or Circuit High Input			Pending	
		P045300	Evaporative Emission Sy	ystem-Pressure Sensor High Input			Pending	
		P063800	Throttle Actuator Contr	rol Range / Performance			Active	
		P023000	Fuel Pump Primary Circ	cuit			Pending	

No	lcon	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.

J253	4 DIAGNOSTIC TOOL 🏠						_ □ >	×
	G80(DH)/2018/G 5,0 0	GDI/ENGINE	Q	CarDAQ-Plus 3	Q	HMAJ25340		
[ <del>a</del> ]	Fault Code Searching	DTC Analys	is					
æ	DTC Analysis	1	lescan	Erase		Status		
		DTC		Description			State	~
XX	Data Analysis	P044400	Evaporative Emission Sy	stem-Purge Control Valve Circuit Open			Pending	
ଭ	A 4 10 TO 1	P262600	O2 Sensor Pumping Cu	rrent Trim Circuit/Open (Bank 1 Sensor 1)			Pending	
(")	Actuation Test	P262900	O2 Sensor Pumping Cu	rrent Trim Circuit/Open (Bank 2 Sensor 1)			Pending	
	ECU Information	P059700	Thermostat Heater Con	trol Circuit/Open			Pending	
		P053200	A/C Refrigerant Pressure	e Sensor "A" Circuit Low Input			Pending	E
		P003100	HO2S Heater Control Ci	rcuit Low (Bank 1 / Sensor 1)			Pending	
		P003000	HO2S Heater Control Ci	rcuit (Bank 1 / Sensor 1)			Pending	
		P005100	HO2S Heater Circuit low	(Bank 2 Sensor 1)			Pending	
		P005000	HO2S Heater Control Ci	rcuit (Bank 2 / Sensor 1)			Pending	
		P044900	Evaporative Emission Sy	stem - Vent Valve / Solenoid Circuit			Pending	
		P019300	Fuel Rail Pressure Senso	r Circuit High Input			Pending	
		P045300	Evaporative Emission Sy	stem-Pressure Sensor High Input			Pending	
		P063800	Throttle Actuator Contr	ol Range / Performance			Active	
		P023000	Fuel Pump Primary Circ	uit			Pending	
			Ø HYL					-

## • Erase

Erase all DTCs which are found on current systems.

J25	34 DIAGNOSTIC TOOL 仚					_		×
	G80(DH)/2018/G 5.0 (	GDI/ENGINE	Q	CarDAQ-Plus 3	Q	HMAJ25340		
[ <del>6</del> ]	Fault Code Searching	DTC Analysi	s					
æ	DTC Analysis	R	escan	Erase		Status		
Ж	Data Analysis	Informatio	on				State Pending	
P	Actuation Test			IG ON. Engine OFF. want to erase all DTCs?			Pending Pending	
	ECU Information						Pending Pending	=
							Pending	
							Pending	
		_					Pending	
			ОК	Cancel			Pending	-Ш
		P019300	Fuel Rail Pressure Sensor	Circuit High Input			Pending	
		P045300	Evaporative Emission Syst	em-Pressure Sensor High Input			Pending	
		P063800	Throttle Actuator Control	Range / Performance			Active	
		P023000	Fuel Pump Primary Circui	t			Pending	
								//

#### • Status

Check current DTC status with the simple description.

J25	34 DIAGNOSTIC TOOL	. ŵ		_ 🗆 ×
	G80(DH)/2018/0	G 3,8 GDI/ENGINE Q	CarDAQ-Plus 3	Q 🕂 HMAJ25340
[ <del>A</del> ]	Fault Code Searchir	ng DTC Analysis		
æ	DTC Analysis	Rescan	Erase	Status
XX	Data Analysis	Information		State
	Datarranayoro	[ DTC Info	ormation ]	Pending Pending
ም	Actuation Test	P063	3800	Pending
	ECU Information	2. DTC Readiness	is : PENDING Flag : COMPLETED	Pending
<u> </u>	Eco Information	3. MIL St	tatus : OFF	Pending
				Pending
				Pending
				Pending
		C	Ж	Pending Pending
				Perung
		(B)		line and the second

#### • 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

J253	4 DIAGNOSTIC TOOL 🏠						_ □	$\times$
	G80(DH)/2018/G 5.0	GDI/ENGINE	Q	CarDAQ-Plus 3	Q	HMAJ25340		
[æ]	Fault Code Searching	DTC Analys	is					
æ	DTC Analysis	F	Rescan	Erase		Status		
	DTC Description						State	ſ
Ж	Data Analysis	P044400	Evaporative Emission Sy	stem-Purge Control Valve Circuit Open			Pending	3
ົ		P262600	O2 Sensor Pumping Cu	rrent Trim Circuit/Open (Bank 1 Sensor 1)			Pending	3
("7	Actuation Test	P262900	O2 Sensor Pumping Cu	rrent Trim Circuit/Open (Bank 2 Sensor 1)			Pending	3
ECU Information		P059700	Thermostat Heater Con	trol Circuit/Open			Pending	9
0	Loo information	P053200	A/C Refrigerant Pressur	e Sensor "A" Circuit Low Input			Pending	9
		P003100	HO2S Heater Control C	ircuit Low (Bank 1 / Sensor 1)			Pending	3
		P003000	HO2S Heater Control C	ircuit (Bank 1 / Sensor 1)			Pending	9
		P005100	HO2S Heater Circuit lov	v (Bank 2 Sensor 1)			Pending	3
		P005000	HO2S Heater Control C	ircuit (Bank 2 / Sensor 1)			Pending	3
		P044900	Evaporative Emission Sy	vstem - Vent Valve / Solenoid Circuit			Pending	3
		P019300	Fuel Rail Pressure Senso	r Circuit High Input			Pending	3
		P045300	Evaporative Emission Sy	rstem-Pressure Sensor High Input			Pending	9
		P063800	Throttle Actuator Contr	ol Range / Performance			Active	
		P023000	Fuel Pump Primary Circ	uit			Pending	9



\\\ \\\	
Data Analysis	

J2534

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.

J2534 DIAGNOSTIC TOOL 🏠		_ 🗆 ×						
G80(DH)/2018/G 5.0 GDI	Q 📟 CarDAQ-Plus 3	Q 🕣 HMA.125340 🔅 Setting						
Fault Code Searching	DTC Analysis	<b>Data Analysis</b>						
Actuation Test	ECU Infomation	Vehicle S/W						

#### • Check the information of Data Analsyis.

680(1	0H)/2018/G 3,8 GDI/ENGINE	Q (==	CarDAQ-Plus 3	Q 🗐 HMAJ25340		
😝 🛛 Fault Code	Searching Data Ana	llysis				
DTC Analys	iis Se	lective Display	_	_		
💥 Data Analy	sis Batte	Se ry Voltage	ensor Name	Value	11.4	Unit V
0		ry Voltage after IG Key			11.3	v
🏀 Actuation T	est Actua	I Engine Speed			0	RPM
🗒 ECU Inform	nation Targe	t Idle RPM			1500	RPM
40		ure Sensor(MAP) Signal Voltage			0.0	v
	Intak	e Manifold Pressure			0	psi
	Wate	r Temperature Voltage			5.0	v
	Wate	r Temperature			-39.5	'F
	Ambi	ent Air Temperature			-40.9	'F
	Baror	netric Pressure Sensor Voltage			0.0	v
	Intak	e Air Temperature Voltage			5.0	v
	Intak	e Air Temperature			-40.9	'F
	Engir	e Oil Temperature			-39.5	'F
	Fuel	.evel(Option)			100	%

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.

J2534 DIAGNOSTIC TOOL 🏠			—	$\Box$ ×			
G80(DH)/2018/G 3,8 0	idi/engine Q	CarDAQ-Plus 3	Q + HMAJ25340				
😝 🛛 Fault Code Searching	Data Analysis						
🧬 DTC Analysis	Selective Display						
💥 Data Analysis	Sensor N Battery Voltage	ame	Value 11.4	Unit V			
Actuation Test	Battery Voltage after IG Key Actual Engine Speed		11.3	V RPM			
ECU Information	Target Idle RPM		1500	RPM			
	Pressure Sensor(MAP) Signal Voltage Intake Manifold Pressure		0.0	V psi			
	Water Temperature Voltage Water Temperature		5.0 -39.5	V 'F			
	Ambient Air Temperature		-40.9	'F			
	Barometric Pressure Sensor Voltage Intake Air Temperature Voltage		0.0	v v			
	Intake Air Temperature		-40.9	'F			
	Engine Oil Temperature Fuel Level(Option)		-39.5	'F %			

#### • 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.

	84 DIAGNOSTIC TOOL 企		-	
	G80(DH)/2018/G 3,8 0	idi/ENGINE Q 🤤 CarDAQ-Plus 3 Q 🖑 HMA/25340		
[ <del>A</del> ]	Fault Code Searching	Data Analysis		
æ	DTC Analysis	Selective Display		
		Sensor Name Value		Unit
	Data Analysis	Battery Voltage	11.4	V
ም	Astrophics Test	Battery Voltage after IG Key	11.3	V
("7	Actuation Test	Actual Engine Speed	0	RPM
	ECU Information	Target Idle RPM	1500	RPM
Ŭ		Pressure Sensor(MAP) Signal Voltage		V
		Intake Manifold Pressure		psi
		Water Temperature Voltage		V
		Water Temperature		'F
		Ambient Air Temperature		'F
		Barometric Pressure Sensor Voltage		v
		Intake Air Temperature Voltage		v
		Intake Air Temperature		'F
		Engine Oil Temperature		'F
		Fuel Level(Option)		%

• 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

J2534 DIAGNOSTIC TOOL 企								$\times$
-	G80(DH)/2018/G 5,0 G	iDI/ENGINE	Q	CarDAQ-Plus 3	Q	HMAJ25340		
[ <del>]</del> ]	Fault Code Searching	DTC Analys	is					
æ	DTC Analysis		Rescan	Erase		Status		
		DTC		Description			State	<u>_</u>
Ж	Data Analysis	P044400	Evaporative Emission	System-Purge Control Valve Circuit Open			Pending	
<u>ም</u>	A 4 10 10 10 1	P262600	O2 Sensor Pumping C	Current Trim Circuit/Open (Bank 1 Sensor 1)			Pending	
۲")	Actuation Test	P262900	O2 Sensor Pumping C	Current Trim Circuit/Open (Bank 2 Sensor 1)			Pending	
R	ECU Information	U Information P059700 Thermostat Heater Control Circuit/Open					Pending	
6		P053200	A/C Refrigerant Press	ure 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 I	ow (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 Sen	sor Circuit High Input			Pending	
		P045300	Evaporative Emission	System-Pressure Sensor High Input			Pending	
		P063800	Throttle Actuator Cor	ntrol Range / Performance			Active	
		P023000	Fuel Pump Primary Ci	ircuit			Pending	
			C HY					



Actuation Test provides to control actuators of vehicle systems by ም controlling ECU, and to check whether there is an abnormality. Actuation Test Actuation Test • After selecting 'Device' on the vehicle section screen, click 'Actuation Test' to use the function. J2534 DIAGNOSTIC TOOL \_ 🗆 × Q Q HMAJ25340 Setting Fault Code Searching **DTC Analysis** Data Analysis Actuation Test **ECU Infomation** Vehicle S/W 

- 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.

<b>a</b>	G80(DH)/2018/G 5,0	GDI/ENGINE	Q 📼	CarDAQ-Plus 3	Q	HMAJ25340	
[음] Fau	ult Code Searching	Actuation	n Test				
er DT	C Analysis		Start	Stop			
XX Dat	ta Analysis	Fuel Pump Relay	y	Test Items			
Act	tuation Test	Fuel Pump Cont					
ECI	U Information	Oil Control Valve					
		Oil Control Valve	e - Exhaust Bank 1(Option) e - Intake Bank2				
		Oil Control Valve	e - Exhaust Bank2				
		Ignition Coil Ena	able/Disable-#1				
			Duration	Condition		Result	

#### 

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

ý

If needed, Actuation Test can be stopped depending on the test items using by [Stop] button.



ECU Information ECU (Electronic Control Unit) information provides reading specification of the systems equipped on the vehicle.							
<ul> <li>ECU Infomation</li> <li>After selecting 'Device' on the vehicle section screen, click 'ECU information' to use the function.</li> </ul>							
J2534 DIAGNOSTIC TOOL 企	Q, IIII	_ □ ×					
Fault Code Searching	DTC Analysis	<b>Data Analysis</b>					
Actuation Test	ECU Infomation	Vehicle S/W					

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

J2534 DIAGNOSTIC TOOL 企								$\times$
	G80(DH)/2018/G 5,0 G	GDI/ENGINE Q		CarDAQ-Plus 3	Q	HMAJ25340		
[#]	Fault Code Searching	ECU Information						
æ	DTC Analysis	- CalibrationRepair			]			
Ň	Data Analysis	- Calibration Date : 00000000 - Boot S/W ID: - Application S/W ID : 000000000						
ም	Actuation Test	- VIN : - Vehicle Manufact - System Supplier B	S1-E200					
	ECU Information	- System Supplier ECU S/W No. :DCAE03J3 - System Supplier ECU Software Version Number : - repairShopCodeOrTesterSerialNumber : - Programming Date :00000000						
		- Programming Da						
								1

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.