

Fuse Inspection

1. Check that the fuse holders are loosely held and that the fuses are securely fixed by the holders.
2. Check that each fuse circuit has the exact fuse capacity.
3. Check the fuses for any damage.

NOTICE

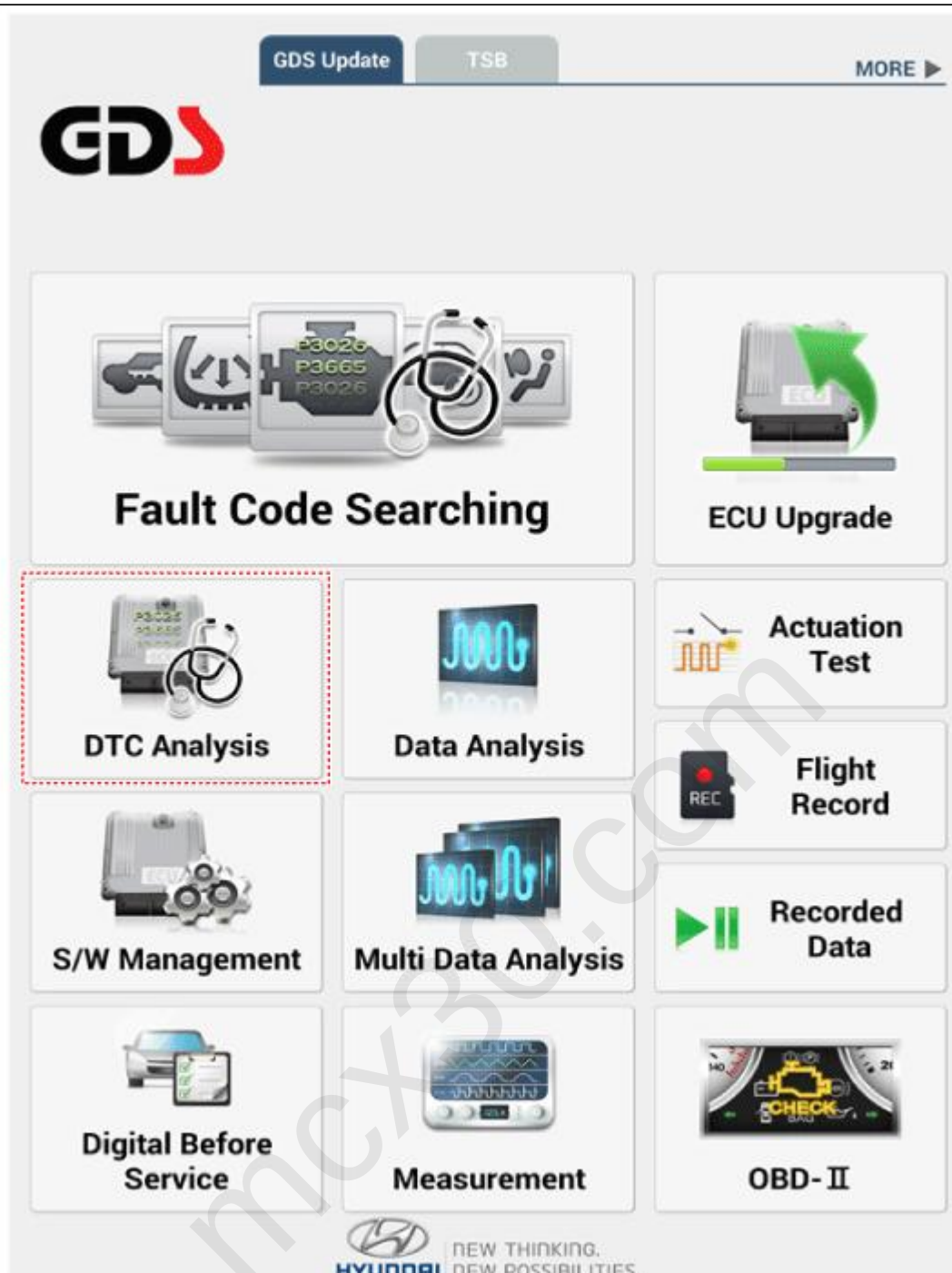
⚠ If a fuse is to be replaced, be sure to use a new fuse of the same capacity. Always identify the cause of the blown fuse and completely eliminate the problem before installing a new fuse.

Diagnosis with Diagnostic tool

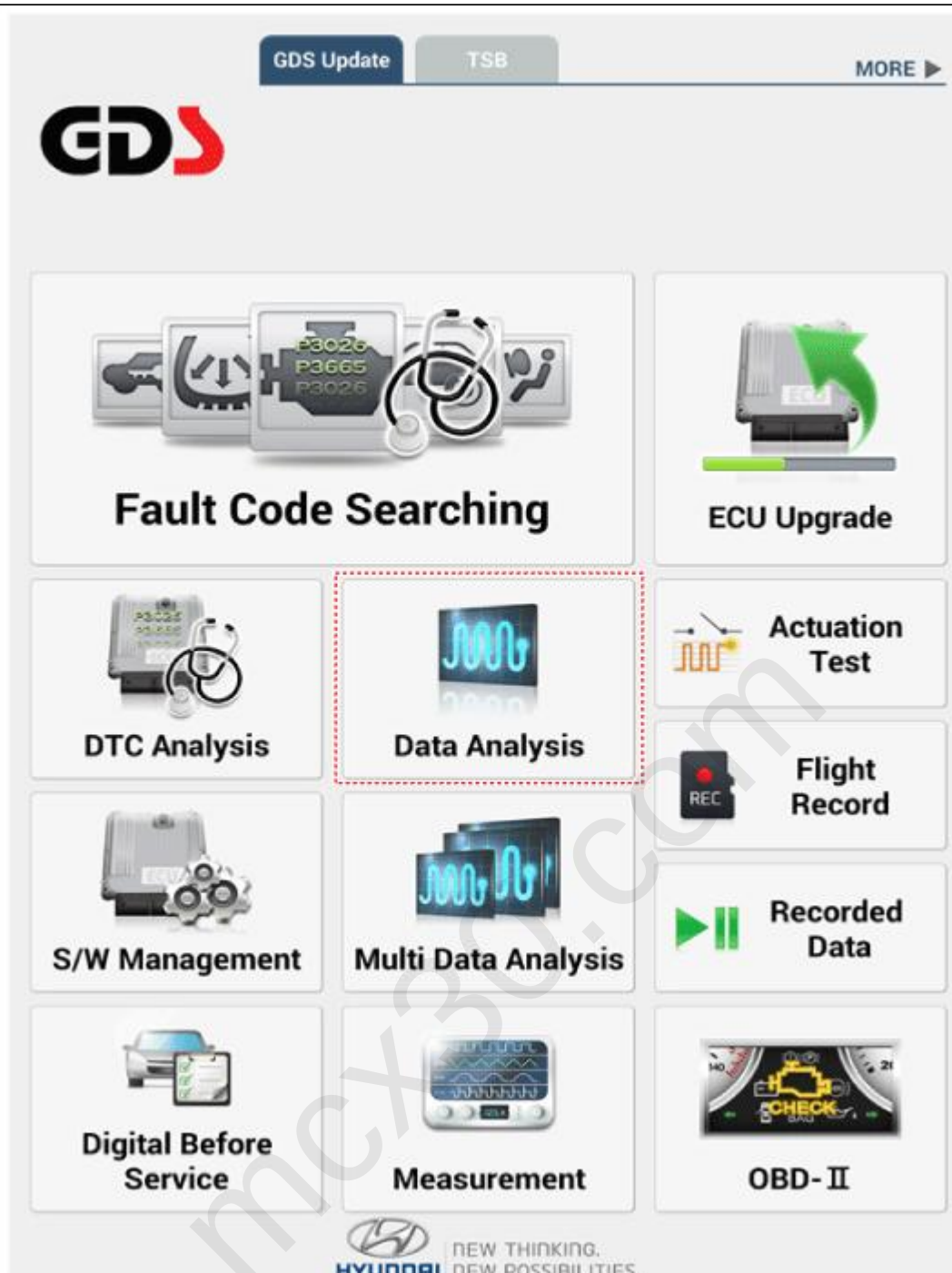
1. In the body electrical system, failure can be quickly diagnosed by using the vehicle diagnostic system (Diagnostic tool).

The diagnostic system(Diagnostic tool) provides the following information.

- (1) The diagnostic system(Diagnostic tool) provides the following information.
 - (2) Data Analysis : Checking the system input/output data state
 - (3) Actuation test : Checking the system operation condition
 - (4) S/W Management : Controlling other features including system option setting and zero point adjustment
2. If diagnose the vehicle by Diagnostic tool, select "DTC Analysis" and "Vehicle".



3. If check current status, select the "Data Analysis" and "Car model".



4. Select the 'ICU' to search the current state of the input/output data.

Vehicle Selection

 × 🔍

←
PREV

AUTO
VIN

↺
RESET

SANTAFE(SM)		
SANTAMO(M2)		D 2.2 TCI-R

System Selection

ENGINE	A / T	ABS/ESP	FCA	AIRBAG	AIRCON
					
4WD	EPS	RVM	SVMS	PA	BCW
					
FR_CMR	AFLS	AHLS	AVN	CLU	DDM
					
80km/h HUD	TPMS BCM SMK IBU-BCM	TPMS BCM IMMO IBU-IMMO	TPMS BCM SMK IBU-SMK	TPMS BCM SMK IBU-TPMS	PSM
					
WPC	ICU	PTG	e-Call	UREA SCR	CODE

● System

Integrated Central Control Unit

OK

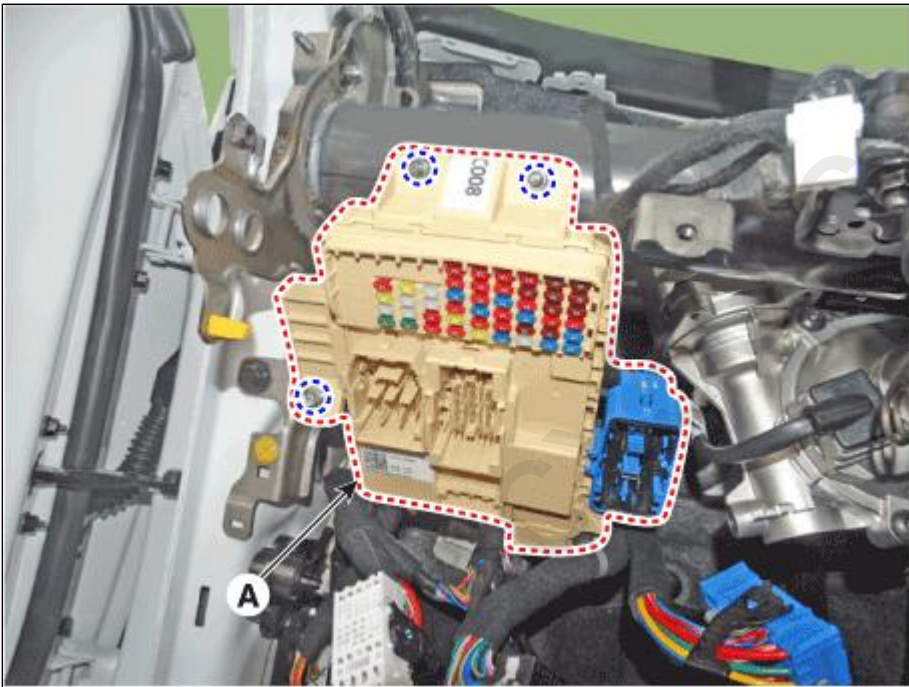
Data Analysis			
Stop Graph Selective Display Actuation Test			
Sensor Name(102)	Value	Unit	Link Up
One Touch Turn Signal	3 Flashing	-	
Trunk Option State	OFF	-	
Auto Door Lock	15Km/h	-	
Auto Door Unlock	Key Out(All Doors)	-	
Quiescent Current Control	Customer Mode	-	
Rear LH Door Open Switch	OPEN	-	
Rear LH Door Actuator Position Switch	UNLOCK	-	
Rear RH Door Open Switch	CLOSE	-	
Rear RH Door Actuator Position Switch	UNLOCK	-	
Assist Door Open Switch	CLOSE	-	
Driver Door Open Switch	OPEN	-	
Parking Brake Switch	Not Park	-	
Tailgate Door Switch	CLOSE	-	
Hood Switch	OPEN	-	
Driver Seat Belt Switch	UNBUCKLED	-	
Assist Seat Belt Switch (Option)	BUCKLED	-	
Brake Fluid Switch	OFF	-	
IGN1 Switch	OFF	-	
IGN2 Switch	OFF	-	
AV Tail Output	OFF	-	

Removal

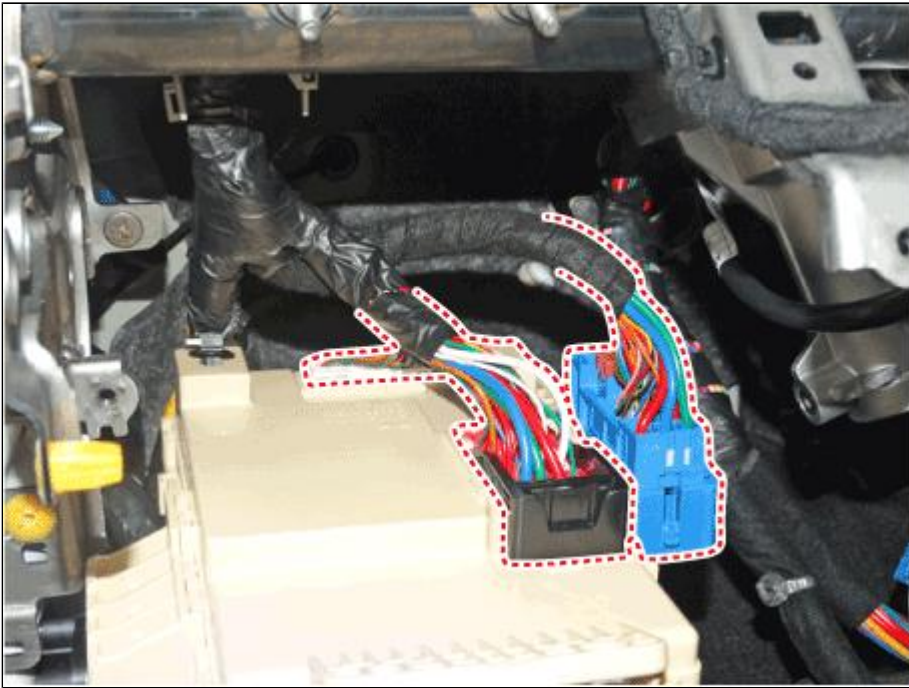
1. Disconnect the negative (-) battery terminal.
2. Remove the crash pad lower panel.
(Refer to Body - "Crash Pad Lower Panel")
3. Disconnect the connectors from the fuse side of the ICU.



4. Remove the ICU (A) after loosening the mounting nuts.



5. Disconnect the connectors from the back side of the ICU.



Installation

1. Install the smart junction box.
2. Install the crash pad lower panel.
3. Connect the negative (-) battery terminal.
4. Check that all system operates normally.

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