

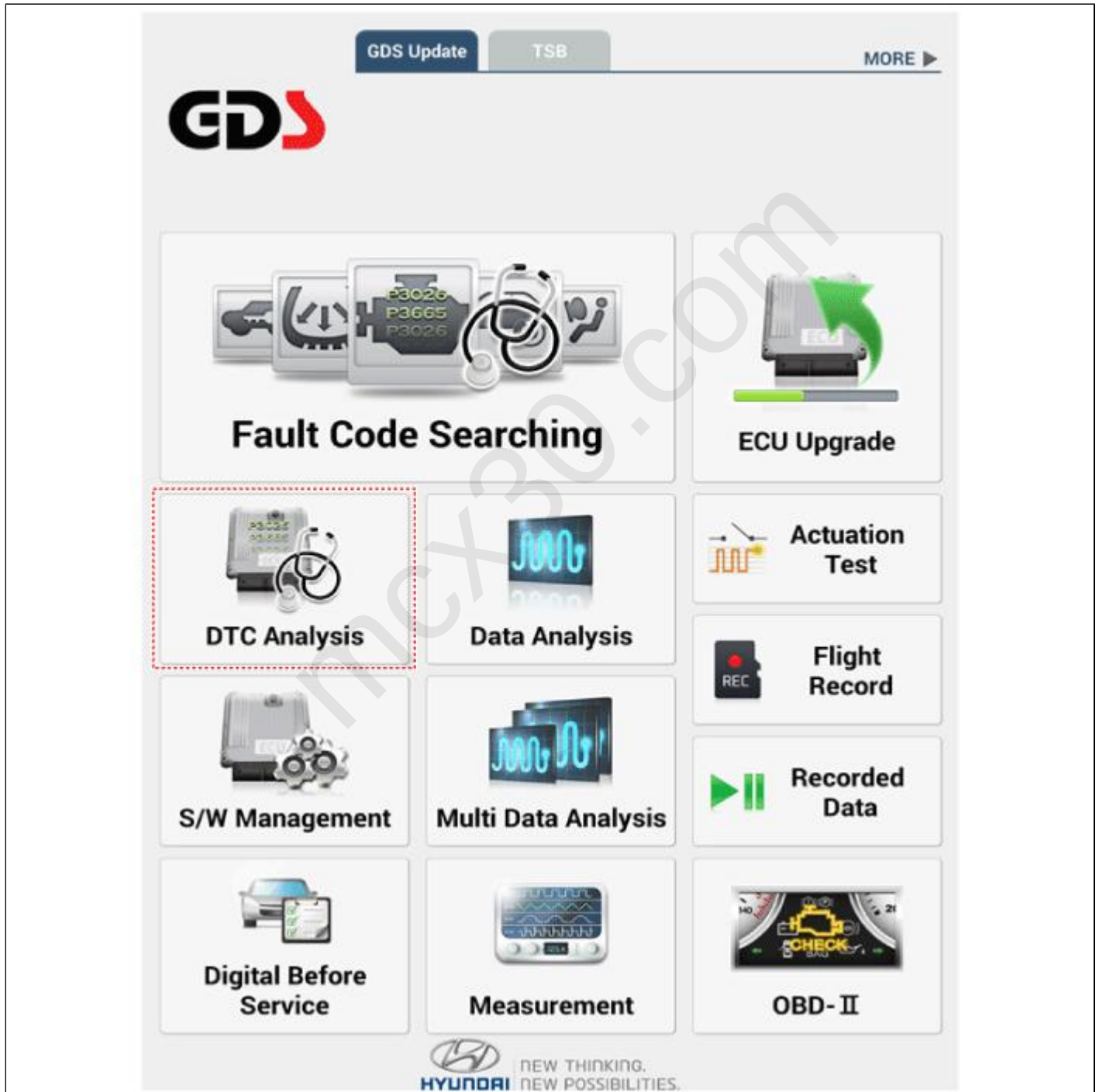
Diagnosis with Diagnostic tool

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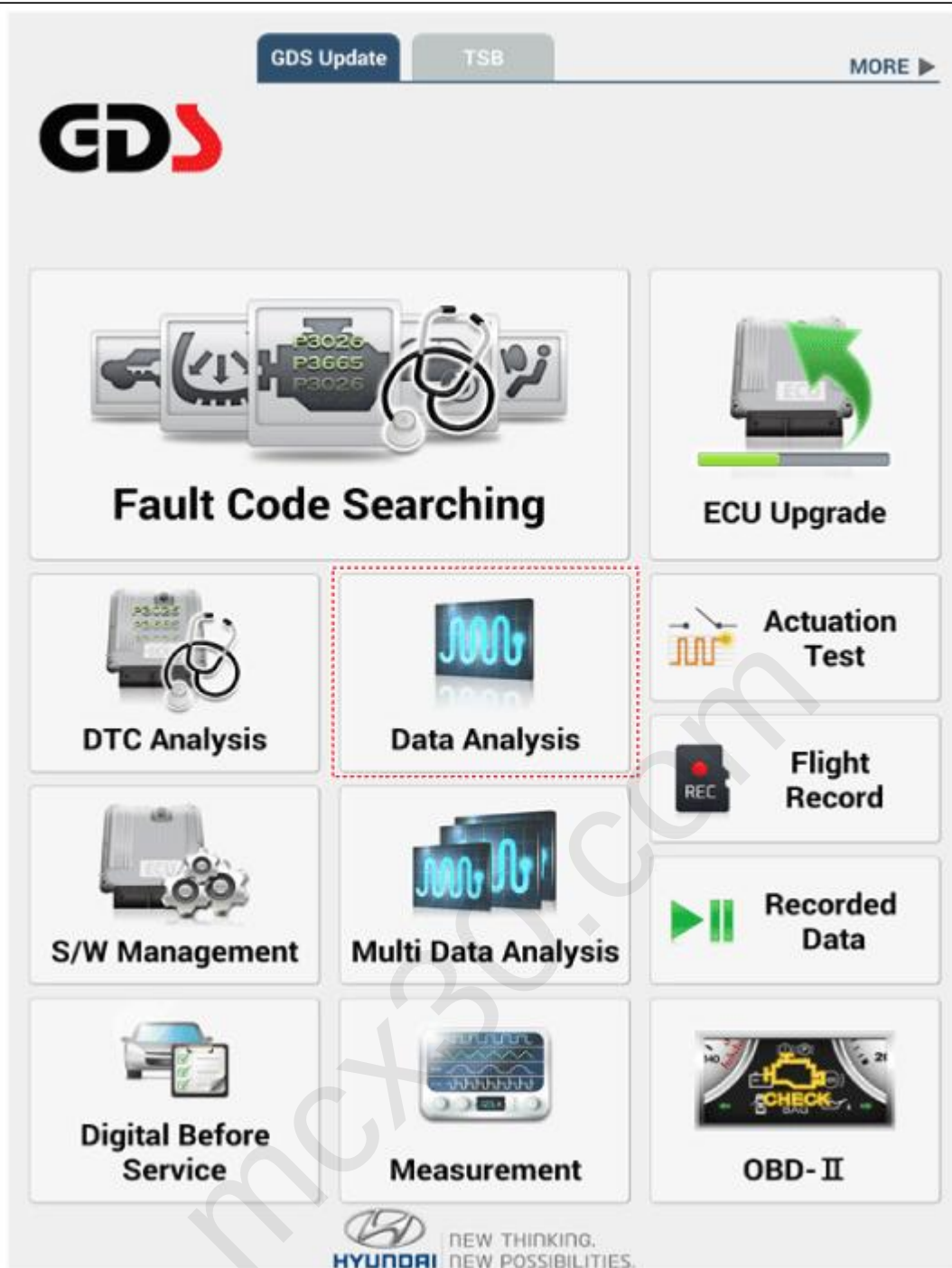
1. In the body electrical system, failure can be quickly diagnosed by using the vehicle diagnostic system (Diagnostic tool).

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

- (1) Fault Code Searching : Checking failure and code number (DTC)
 - (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. Select the 'Data Analysis' and 'Car model'.



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

Vehicle Selection



PREV

AUTO
VIN



RESET

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

System Selection



• System

IBU-BCM

OK

Data Analysis			
Stop Graph Selective Display Actuation Test			
Sensor Name(67)	Value	Unit	Link Up
Head Lamp Escort	ON	-	
Rear Wiper Option Setting	ON	-	
Welcome Mirror or Light (Enable on Door Unlock)	ON	-	
Welcome Mirror or Light (Enable on Driver Approach)	ON	-	
Battery Voltage Monitoring Input	11.6	V	
Light Switch Voltage(Voltage Divided)	2.0	V	
Head Lamp High Switch Voltage(Voltage Divided)	5.0	V	
Fog Lamp Switch Voltage(Voltage Divided)	5.0	V	
Front Wiper Switch Voltage(Voltage Divided)	2.2	V	
Wiper INT Volume Voltage(Voltage Divided)	2.8	V	
Rear Wiper Switch Voltage(Voltage Divided)	5.0	V	
ACC Input Voltage	0.00	V	
Ignition 1 Voltage	0.00	V	
Ignition 2 Voltage	0.00	V	
ACC	OFF	-	
IGN1	OFF	-	
IGN2	OFF	-	
Security LED	ON	-	
PAS Switch/RPAS OFF Switch	OFF	-	
PAS Indicator/RPAS OFF Indicator	OFF	-	

5. To forcibly actuate the input value of the module to be checked, select option 'Actuation Test'.

Actuation Test

Test Item(17)

AIM Solenoid

Assist Seat Belt Indicator (Option)

Rear Seat Belt Left Indicator (Option)

Rear Seat Belt Right Indicator (Option)

External Buzzer Output

Sunroof Power Relay control(Optional)

Heated Handle Output(Optional)

Heated Handle Indicator(Optional)

Mirror Folding Operation

Mirror Unfolding Operation

Search

Data Analysis

Stop

Graph

Selective Display

Data Capture

Sensor Name(90)	Value	Unit
Head Lamp Escort	ON	-
Auto Door Lock State	Shift Lever	-
Auto Door Unlock Status	Shift-lever	-
2-Turn Unlock	ON	-
Rear Wiper Option Setting	ON	-
RK RX Status	NO RX	-
Number of RK(+RK)	0	-
Battery Voltage Monitoring Input	7.0	V

Removal

1. Disconnect the negative (-) battery terminal.
2. Remove the heater and A/C controll unit.
(Refer to Heating, Ventilation, Air conditioning - "Heater & A/C Control Unit (Dual)")

Installation

1. Install the heater and A/C control unit.
2. Connect the negative (-) battery terminal.

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