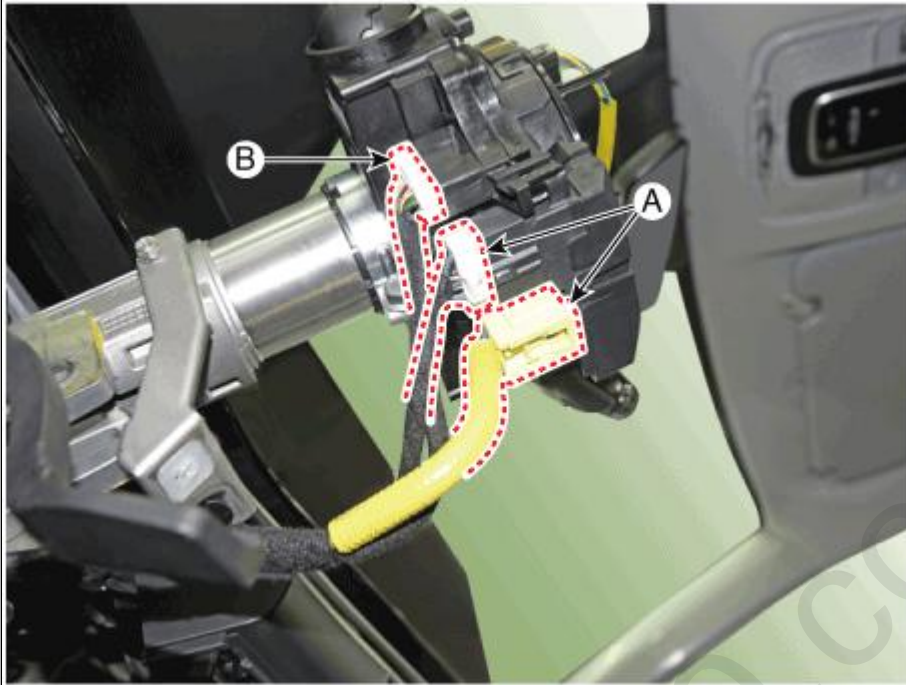
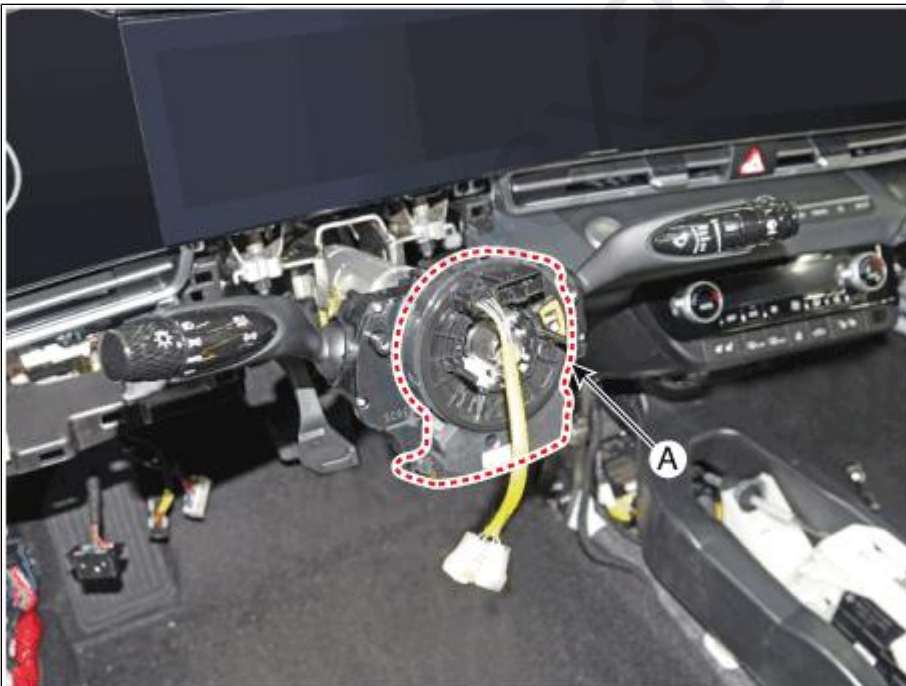


## Removal

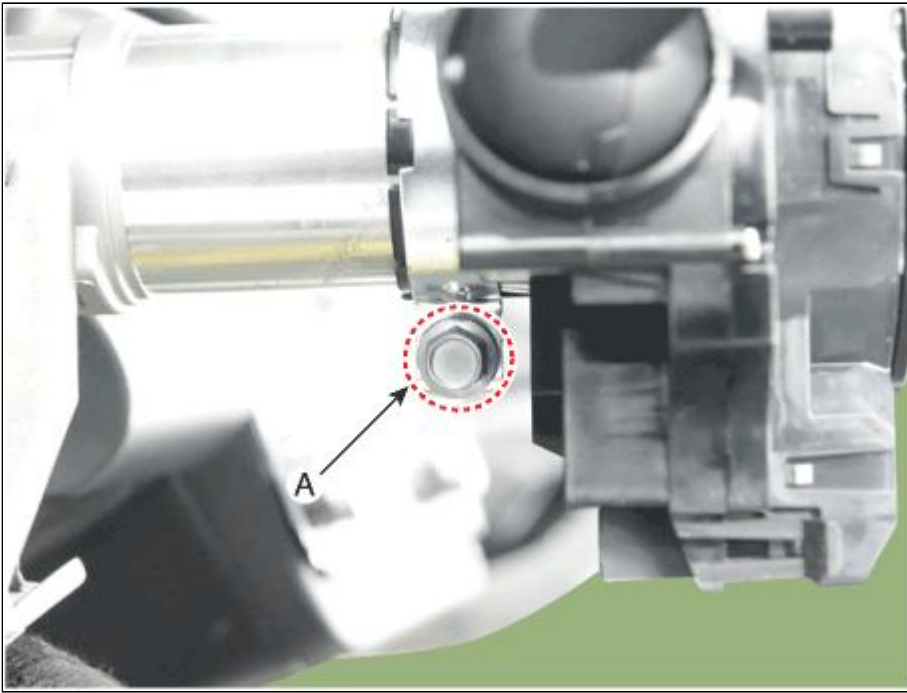
1. Disconnect the negative (-) battery terminal.
2. Remove the steering wheel.  
(Refer to Steering System - "Steering Wheel")
3. Remove the steering column upper and lower shrouds after loosening the screws.  
(Refer to Body - "Steering Column Shroud Panel")
4. Disconnect the multifunction switch connectors (B) and clock spring connector (A)



5. Remove the clock spring (A).



6. Remove the multifunction switch assembly after loosening the clamp (A).



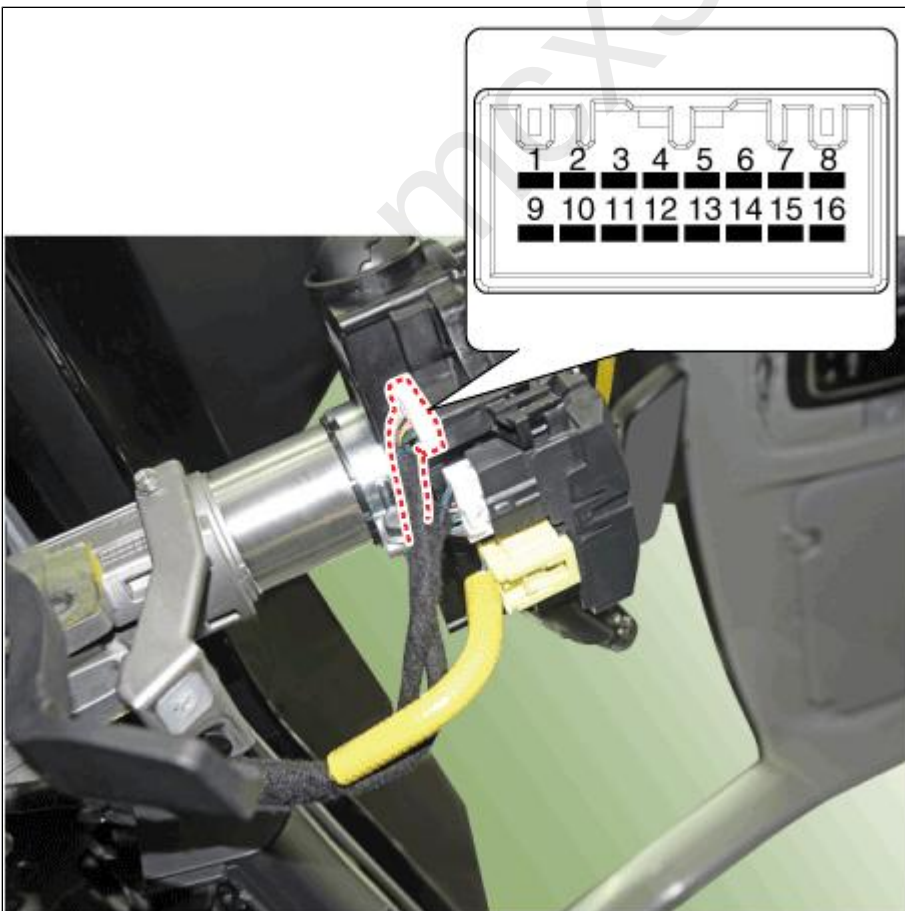
#### Installation

1. Install the multifunction switch.
2. Install the clock spring.
3. Install the steering column upper and lower shrouds.
4. Install the steering wheel.
5. Connect the negative (-) battery terminal.

#### Inspection

##### Multifunction Switch Inspection

1. Check for continuity between the terminals in each switch position according to the table.



[Left Handle Drive]

| Switch                    | Switch position     | Resistance ( $\Omega$ , $\pm 3.5\%$ ) |
|---------------------------|---------------------|---------------------------------------|
| Wiper switch              | MIST                | 330                                   |
|                           | OFF                 | $\infty$                              |
|                           | Intermittent (AUTO) | 800                                   |
|                           | LOW                 | 1800                                  |
|                           | HIGH                | 5700                                  |
| Wiper intermittent volume | Volume 1            | 330                                   |
|                           | Volume 2            | 690                                   |
|                           | Volume 3            | 1310                                  |
|                           | Volume 4            | 2610                                  |
|                           | Volume 5            | 7310                                  |
| Fog lamp switch           | OFF                 | $\infty$                              |
|                           | Front foglamp       | 910                                   |
|                           | Rear foglamp        | 2910                                  |
| Turnsignal switch         | OFF                 | $\infty$                              |
|                           | Left                | 910                                   |
|                           | Right               | 2910                                  |
| Dimmer & Passing switch   | OFF                 | $\infty$                              |
|                           | Passing             | 910                                   |
|                           | Dimmer              | 2910                                  |
| Light switch              | OFF                 | $\infty$                              |
|                           | AUTO / DRL          | 680                                   |
|                           | Tail lamp           | 1680                                  |
|                           | Low beam            | 5580                                  |

Inspection (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.

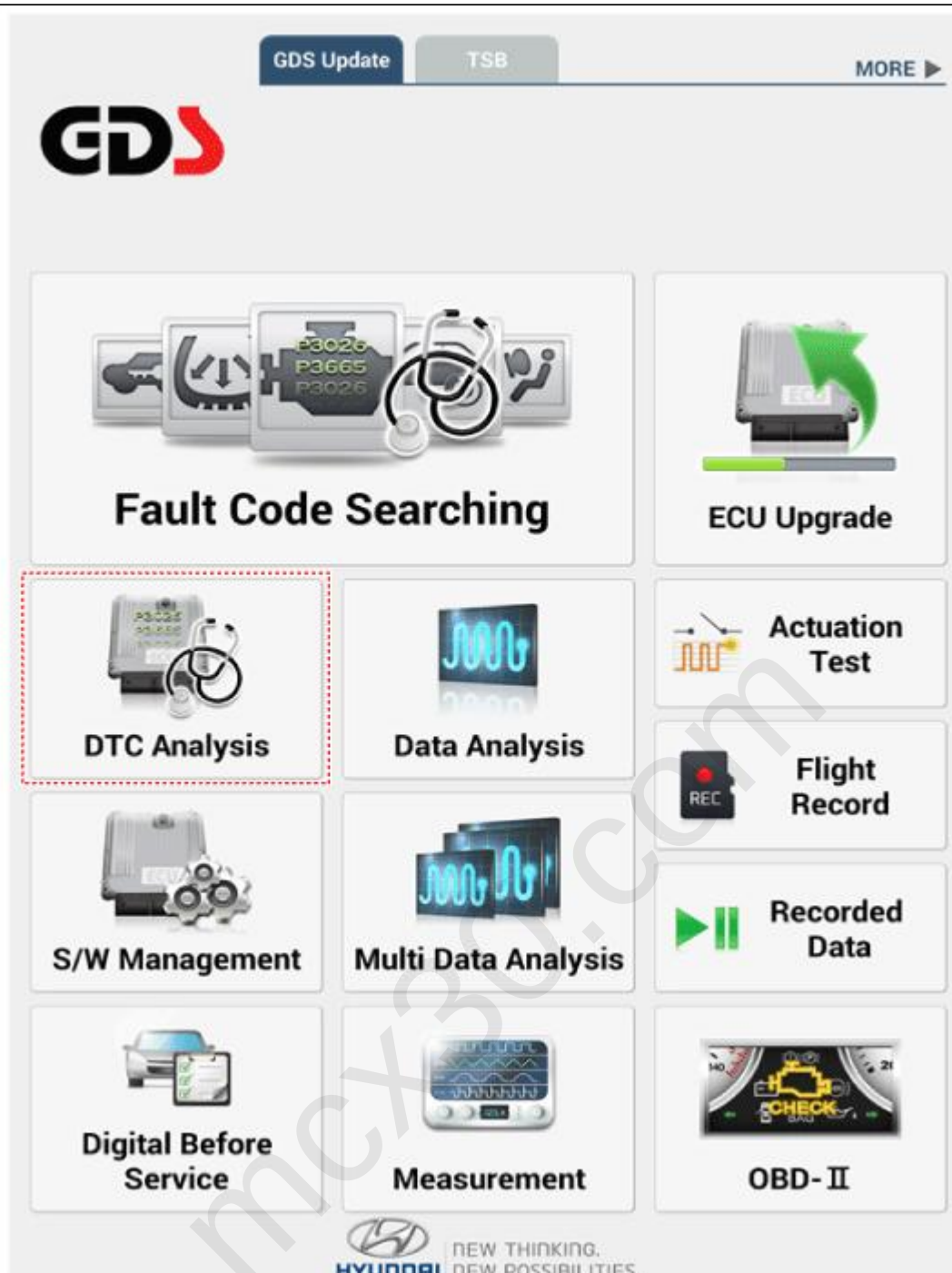
(1) Fault Code Searching : Checking failure and code number (DTC)

(2) Data Analysis : Checking the system input/output data state

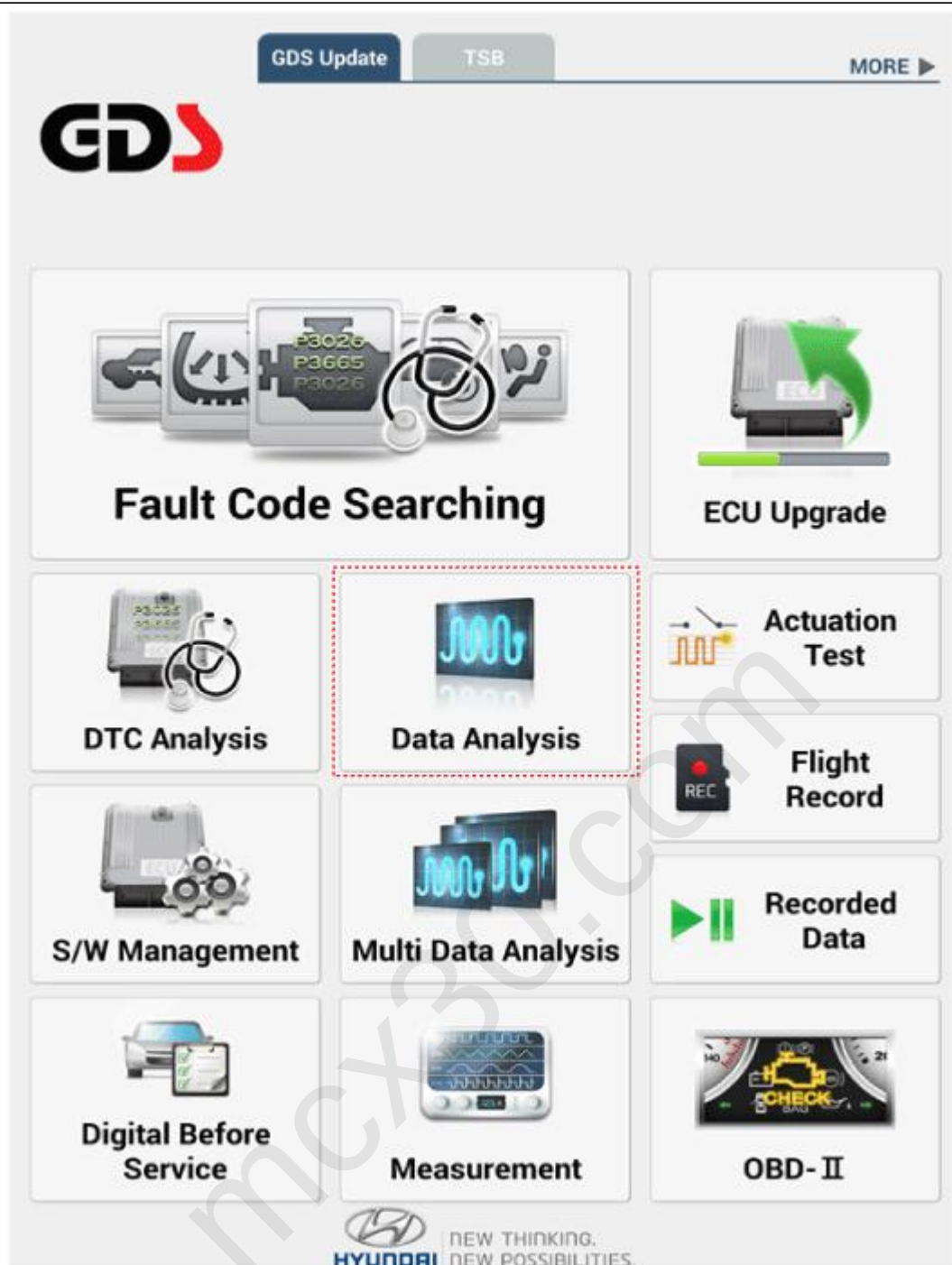
(3) Actuation test : Checking the system operation condition

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



4. Select the 'IBU\_BCM' to search the current state of the input/output data.

Vehicle Selection

×

Q

PREV

AUTO VIN

RESET

SANTAFE(SM)

SANTAMO(M2)

D 2 2 TCL-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

IBU-BCM

IBU-IMMO

IBU-SMK

IBU-TPMS

PSM

System

IBU-BCM

OK

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