

Removal

⚠ CAUTION

You must make sure turn RED LED ON if you do any of the following.

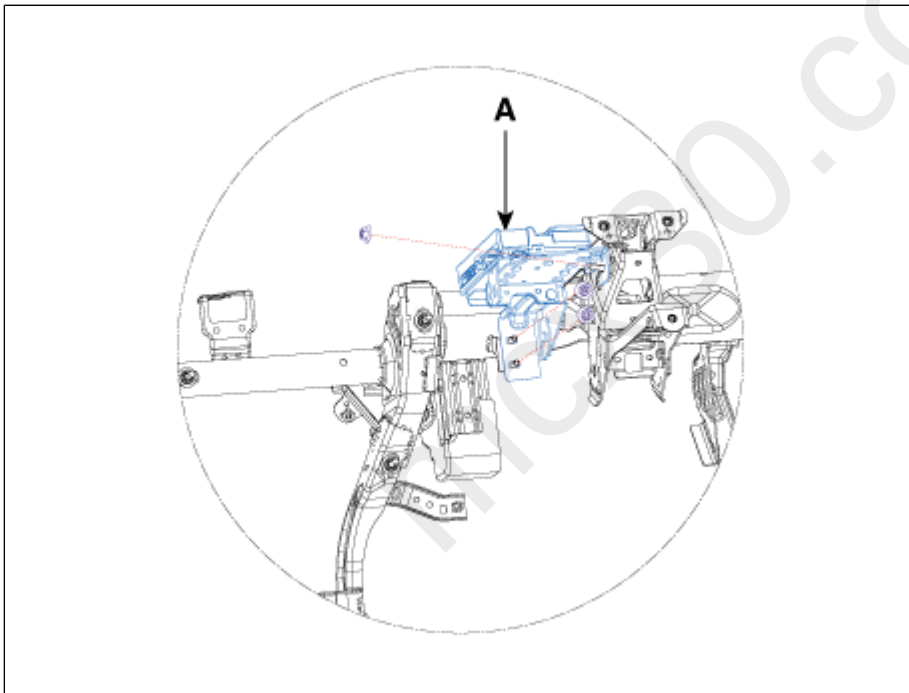
- Replace the eCall unit.
- Replace the Back-up Battery (BUB).
- Replace the eCall speaker and MIC.
- Replace the eCall antenna and Roof antenna.

NOTICE

- Take care not to scratch the cluster fascia panel and related parts.
- When removing with a flat-tip screwdriver or remover, wrap protective tape around the tools to prevent damage to components.
- Be careful to store and handle the crash pad when removing/installing because lubricant and oil can leave a stain on the trim.

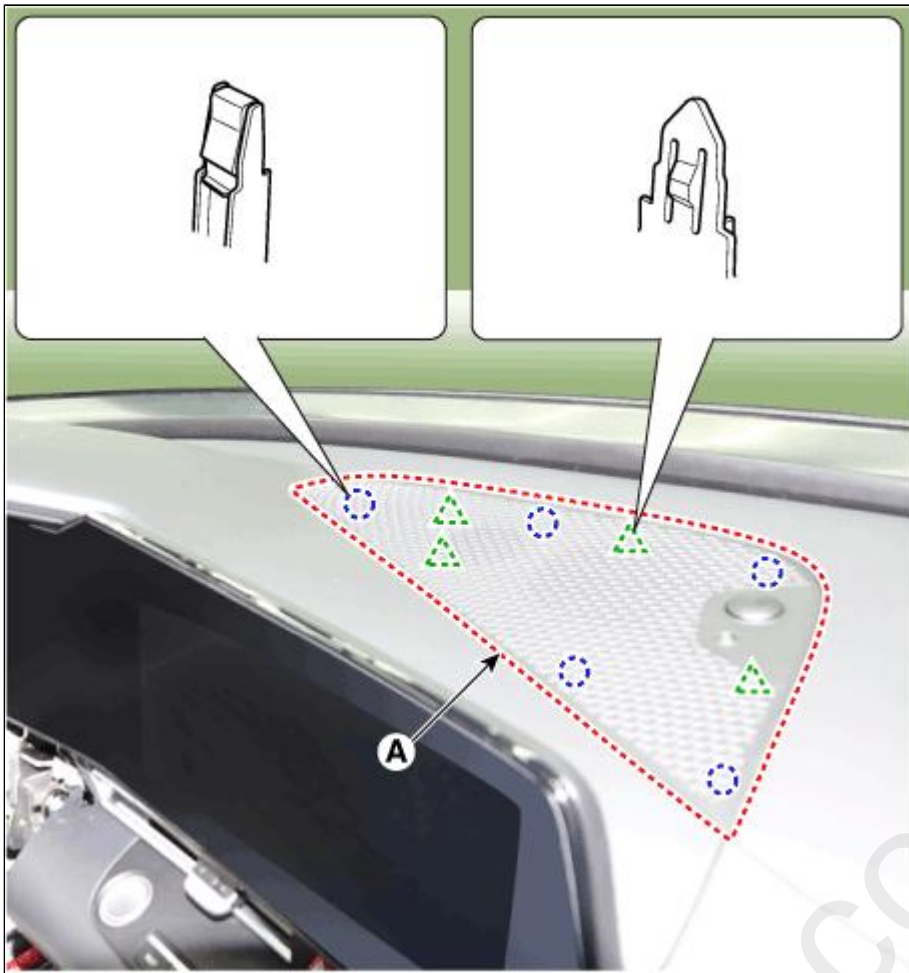
eCall Unit

1. Disconnect the negative (-) battery terminal.
2. Remove the crash pad lower panel.
(Refer to body - "Crash Pad Lower Panel")
3. Remove the eCall unit (A) after loosening the mounting screws and disconnecting the eCall unit connectors.

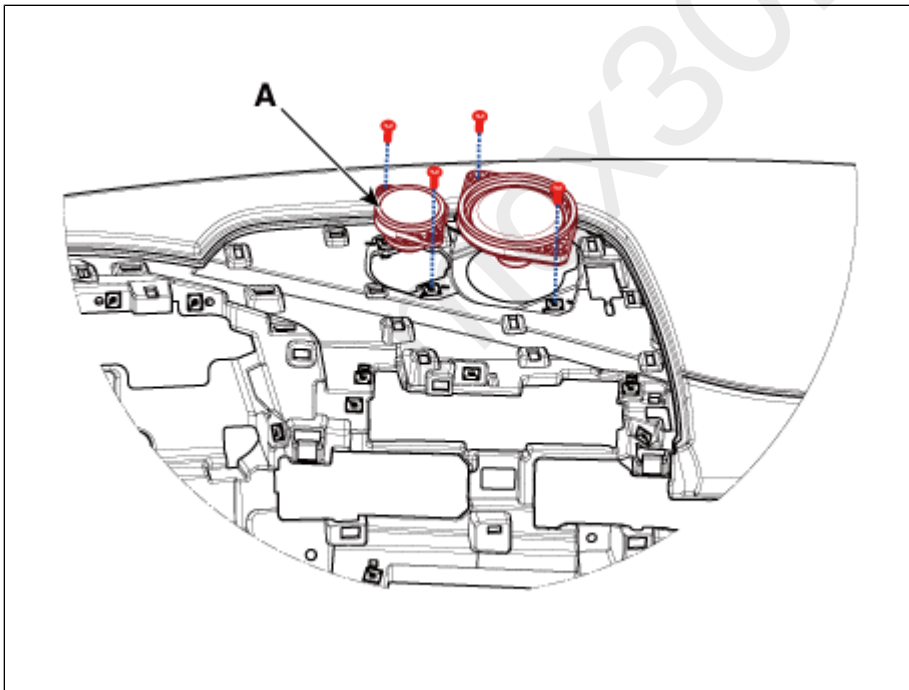


eCall Speaker

1. Disconnect the negative (-) battery terminal.
2. Using a screwdriver or remover, remove the crash pad center speaker grille (A).



3. Remove the ecall speaker (A) after loosening mounting screws.



4. Disconnect the speaker connector.

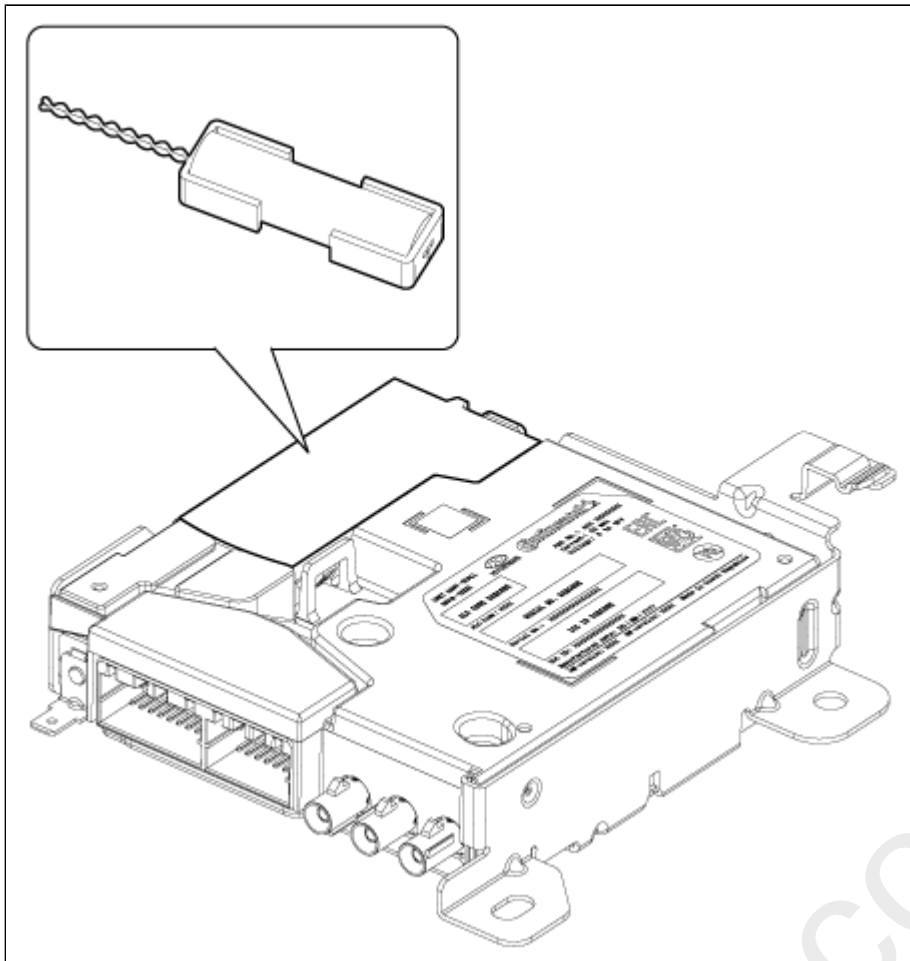
Replacement

eCall Unit Back Up Battery (BUB)

1. Disconnect the negative (-) battery terminal.

2. Remove the eCall Unit.

3. If it is necessary to replace the back-up battery, remove the back-up battery after removing the back-up battery cover (A).



Installation

⚠ CAUTION

You must carry out Test Mode if you do any of the following.

- Replace the eCall unit.
- Replace the Back-up Battery (BUB).
- Replace the eCall speaker and MIC.
- Replace the eCall antenna and Roof antenna.

eCall Unit

1. Install the eCall unit.
2. Install the crash pad lower panel.
3. Connect the negative (-) battery terminal.

eCall Speaker

1. Install the eCall speaker.
2. Connect the negative (-) battery terminal.

Inspection

Inspecting Back-Up Battery

Back-up battery (BUB) embedded in the eCall system has a finite lifespan and using it for a long time may decrease its charging/discharging performance.

The back-up battery guarantees the operation of the eCall system when the vehicle battery cannot be used due to an accident. Be sure to inspect the back-up battery if the red LED turns on and replace it if necessary.

⚠ CAUTION

- Warranty of Back-up Battery is 3years.
- Inspect the back-up battery every three years and replace it if necessary.

(Refer to Emergency Call Unit - "Repair Procedures")

⚠ WARNING

The eCall system is aimed to place an urgent call to the call center during an emergency. Arbitrarily removing or operating the system components may affect the safety of people and may result in false notification of an accident to the emergency call center.

NOTICE

The red LED turns on when there is a problem with the eCall system.

If one or more DTCs for the eCall system are issued, check the eCall system(Unit, Button(Built in overhead console), Speaker, Antenna) by diagnostic tools.

Inspection with Diagnostic Tools

In the eCall system, failure can be quickly diagnosed by using the vehicle diagnostic system.

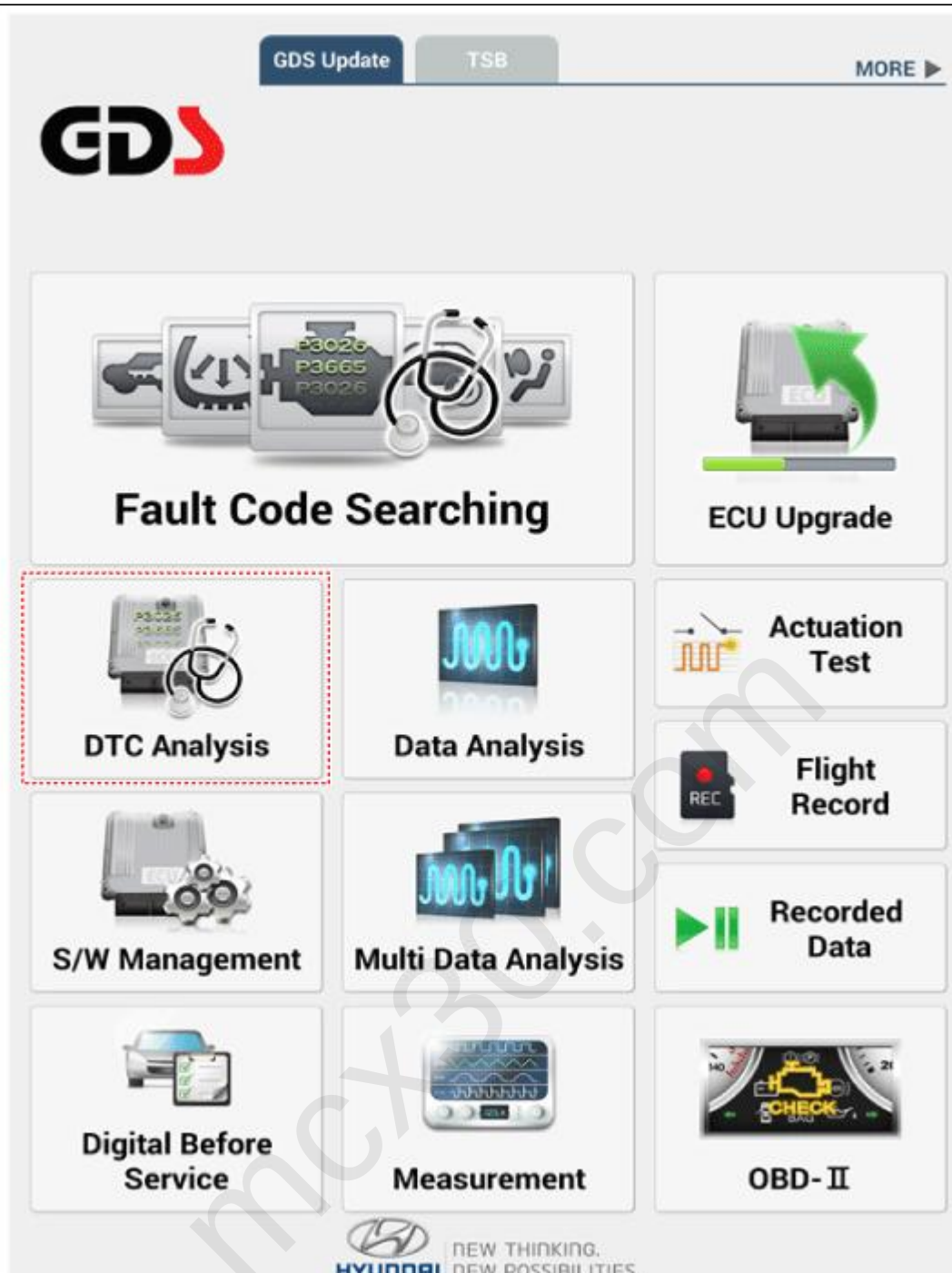
The diagnostic system provides the following information.

1) Self diagnosis : Checking failure and code number (DTC)

2) Current data : Checking the system input/output data state

1. Select the "Car Model" and the "eCall System" to be checked in order to check the vehicle with the tester.

2. To inquire the cause of trouble for each module by self diagnosis, select 'Diagnostic Trouble Code'.



3. Select the 'Current Data' menu to check the current state of the input/output data.



Fault Code Searching



ECU Upgrade



DTC Analysis



Data Analysis



Actuation Test



Flight Record



S/W Management



Multi Data Analysis



Recorded Data



Digital Before Service



Measurement



OBD- II



HYUNDAI

NEW THINKING.
NEW POSSIBILITIES.

Data Analysis			
Stop Graph Selective Display Actuation Test			
Sensor Name(5)	Value	Unit	Link Up
Vehicle Type	Passenger(M1)	-	
Vehicle Propulsion Storage Type	Gasoline	-	
MSD Total	0	-	
Log Total	0	-	
eCall Test Number Mode	OFF	-	

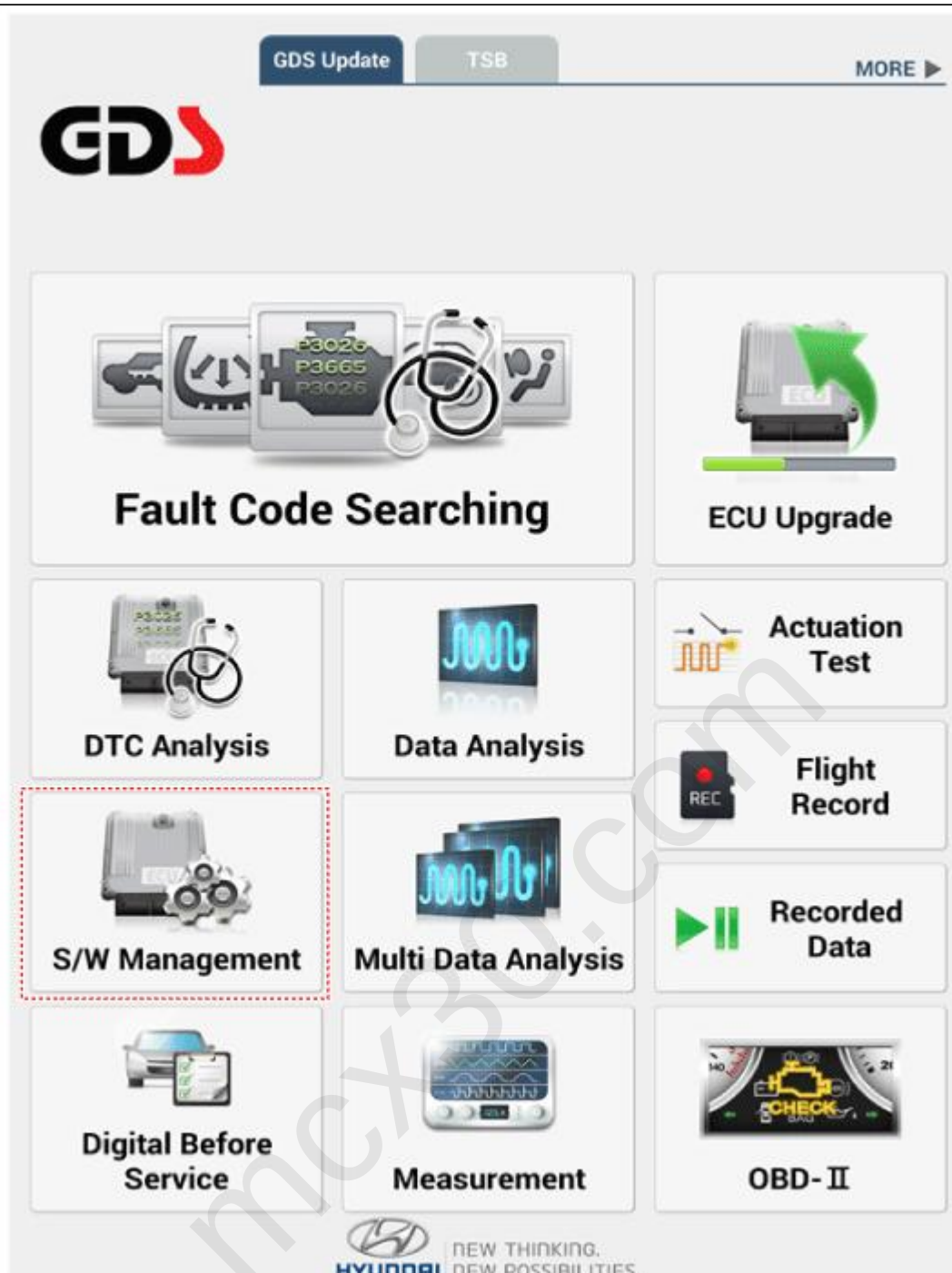
eCall System Reset

The eCall System Reset function is to reset when eCall is locked or stopped.

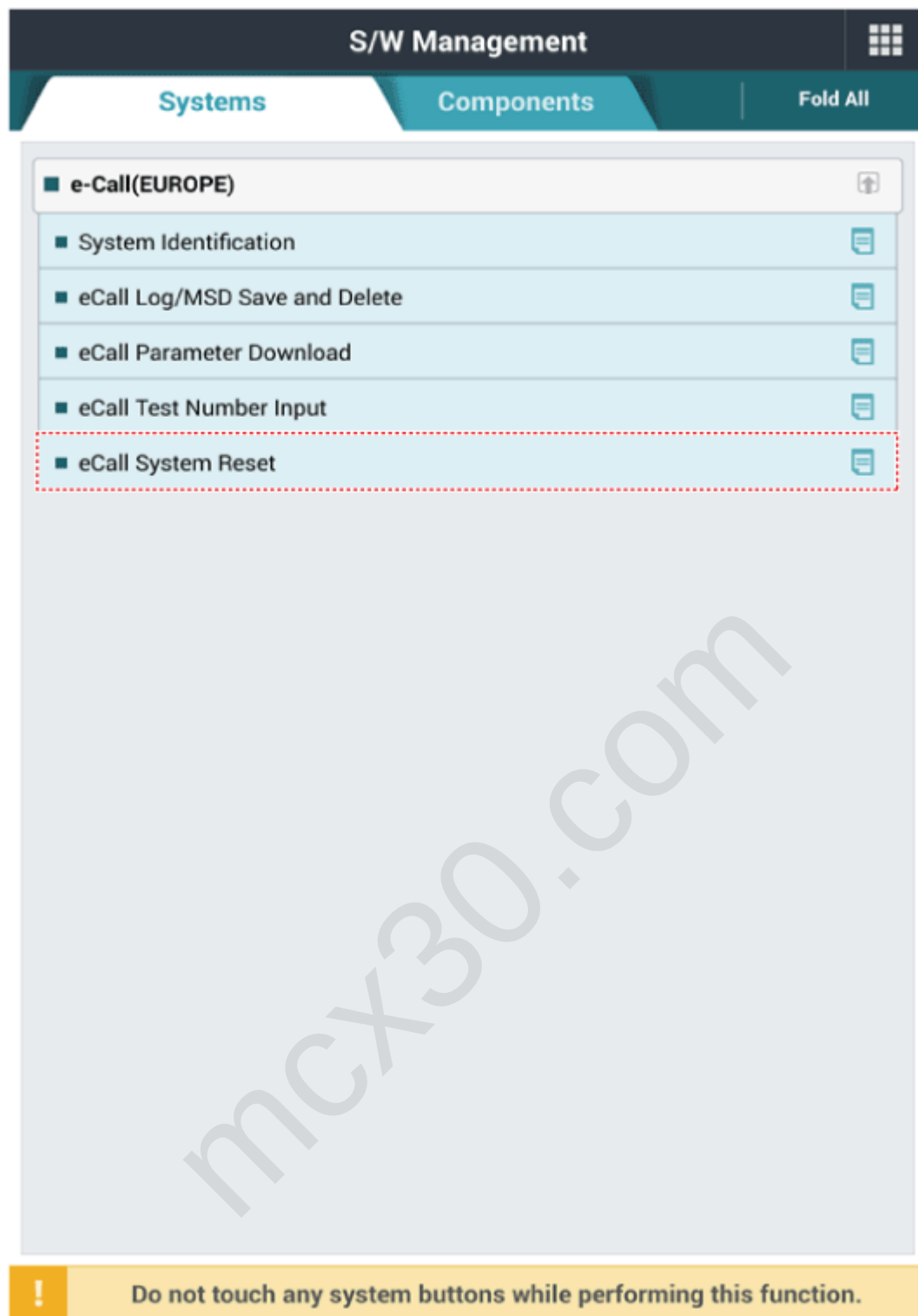
⚠ WARNING

The eCall System Reset function may result a false call to the PSAP (Public Safety Answering point) and it also may cause a malfunction to the system, therefore, the unauthorized use of this function is strictly prohibited.

1. Turn the ignition switch OFF.
2. Connect the diagnostic tools.
3. Turn the ignition switch ON without the engine running.
4. Select the "Car Model" and "S/W Management".



5. Select the "eCall System Reset"



6. Follow the screen instructions to perform the "eCall System Reset".

S/W Management

■ eCall System Reset

Information

[Warning]

The eCall System Reset Function may result a false call to the PSAP (Public Safety Answering point) and it also may cause a malfunction to the system, Therefore, the unauthorized use of this function is strictly prohibited

OK

Cancel



Do not touch any system buttons while performing this function.

S/W Management

■ eCall System Reset

● [eCall System Reset]

This function is to reset eCall.

⚠ [Warning]

The eCall System Reset Function may result a false call to the PSAP (Public Safety Answering point) and it also may cause a malfunction to the system, Therefore, the unauthorized use of this function is strictly prohibited.

● [Condition]

1. Ignition switch is ON
2. eCall UNIT(Power ON / No Operating)

[OK] button : Start eCall System Reset

[Cancel] button : Go to the main page

OK

Cancel

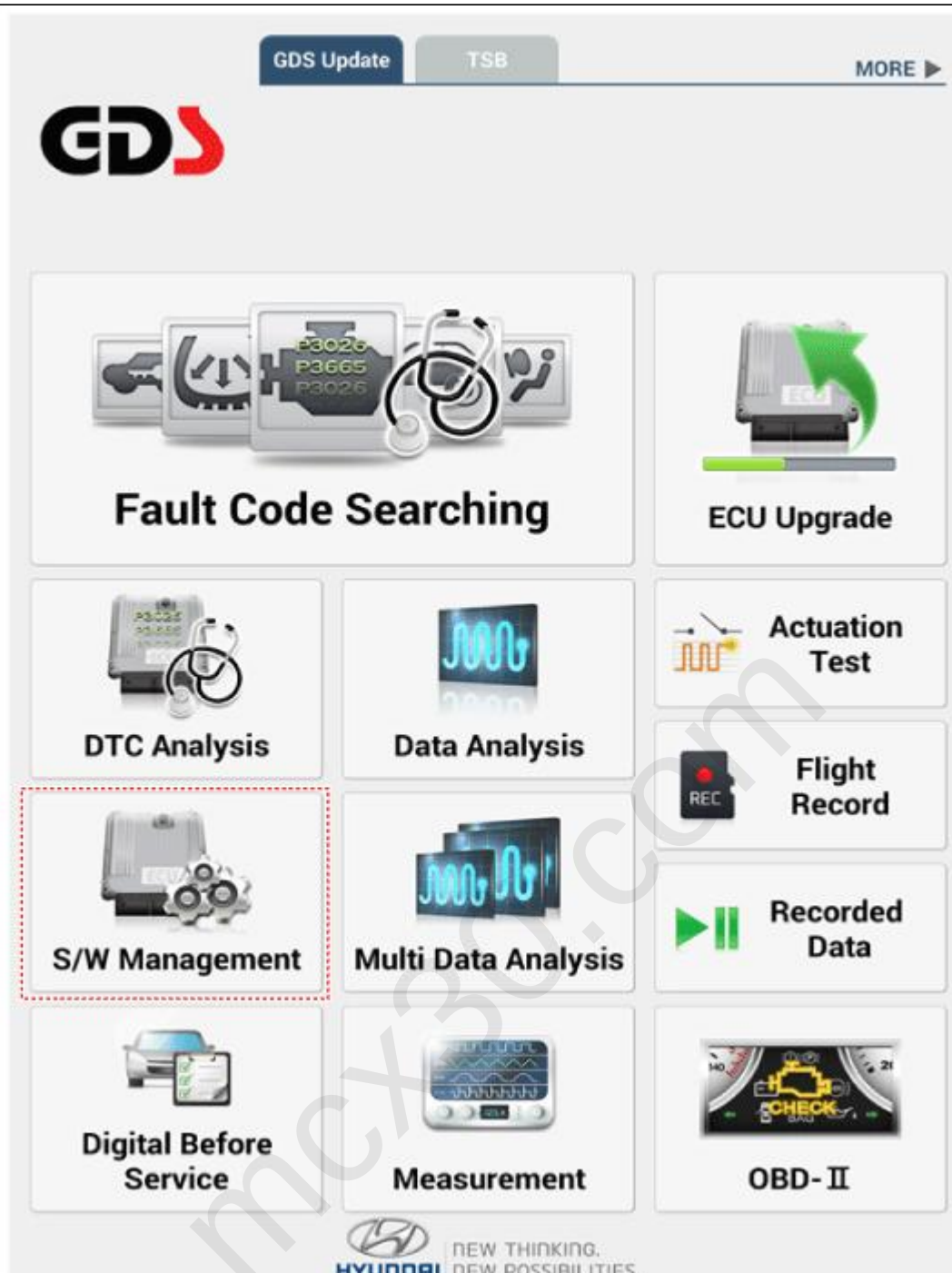


Do not touch any system buttons while performing this function.

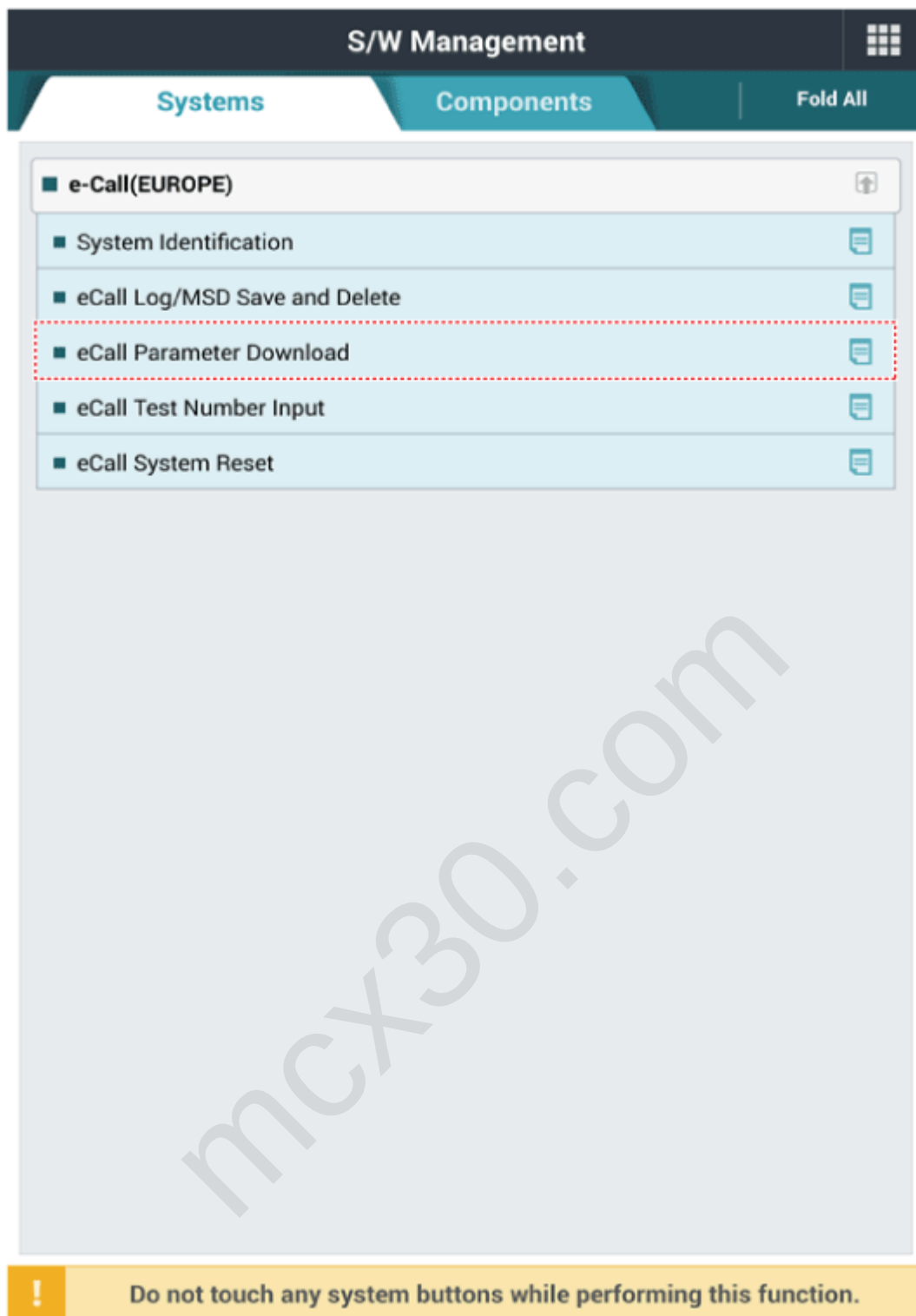
eCall Parameter Download

eCall Parameter Download is used to change the parameter value of the eCall law in Europe.

1. Turn the ignition switch OFF.
2. Connect the diagnostic tools.
3. Turn the ignition switch ON without the engine running.
4. Select the "Car Model" and "S/W Management".



5. Select the "eCall Parameter Download"



6. Follow the screen instructions to perform the "eCall Parameter Download".

S/W Management

■ eCall Parameter Download

● [eCall Parameter Download]

This function is used to change the parameter value of the eCall law in Europe.

If you are not connected to the Internet, no reference value will be provided.

● [Condition]

1. Ignition Key On

⚠ [Caution]

Operating it arbitrarily violates the eCall law in Europe so use it only when there is a separate maintenance instruction.

[C1] button: if connected to the Internet.

[C2] button: if not connected to the Internet.

[Cancel] button: Returns to Main Menu.

C1

C2

Cancel



Do not touch any system buttons while performing this function.

S/W Management

eCall Parameter Download

1. Select the item to modify

2. Please enter a value in the input window

[OK] button : Setting value input

[Cancel] button: Returns to Main Menu

Information

The function has been completed.

Press [OK] button to finish.

OK

OK

Cancel

!

Do not touch any system buttons while performing this function.

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- ☐ Document Rating :

Please rate the above contents on a scale of 1 to 5.

Little Value

1

2

3

4

5

Excellent Value