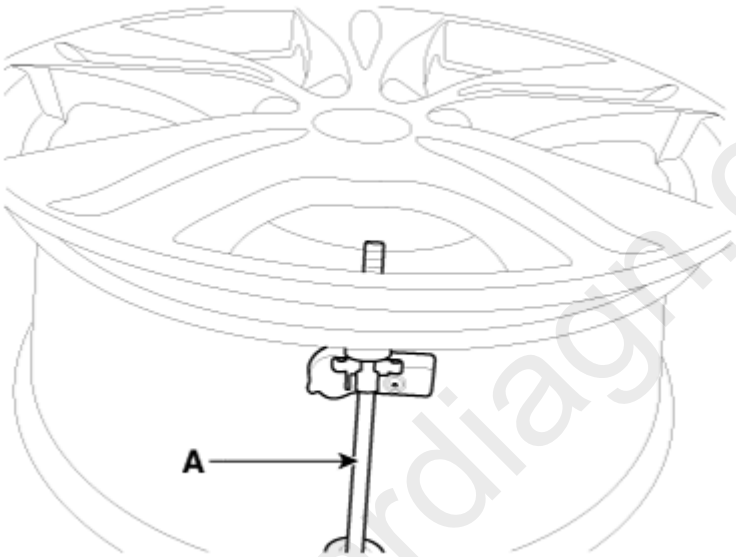
REMOVAL

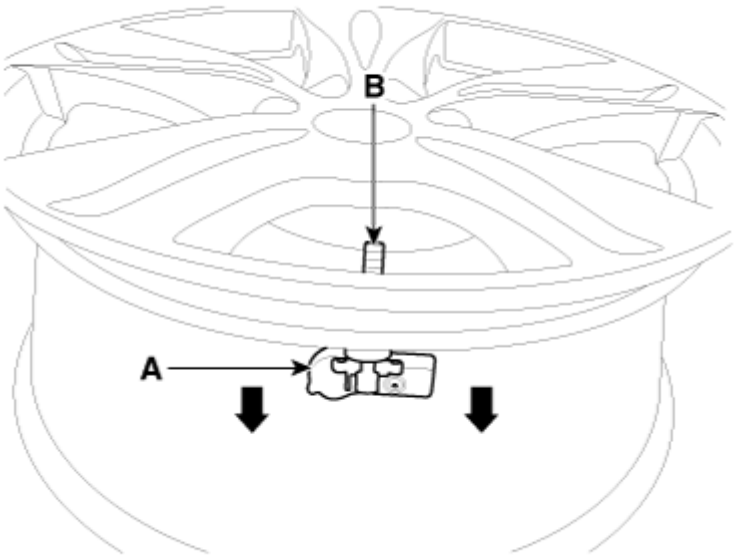
1. Remove the tire.
   (Refer to Tires/Wheels - "Tire")
2. Remove the screw with torx driver (A).

⚠ CAUTION

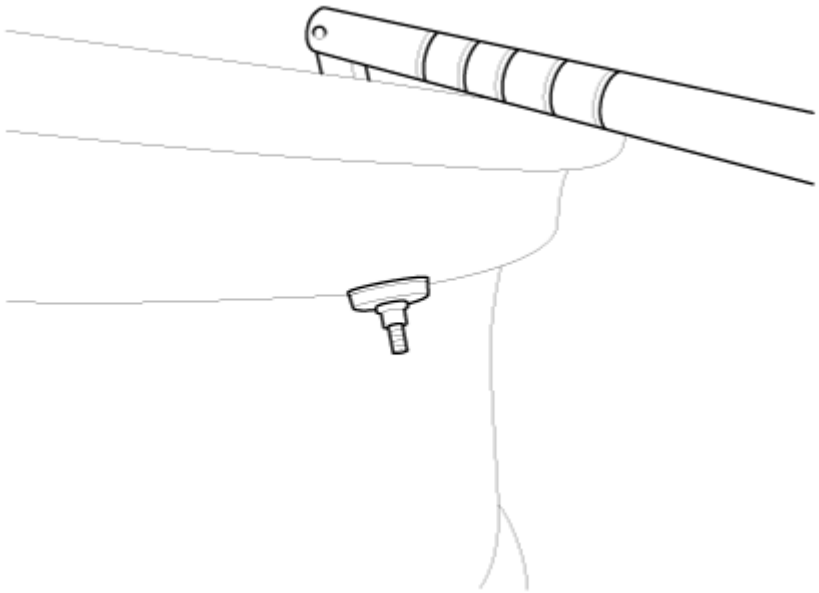
- When installing the bead brake, make sure that it does not come in contact with the TPMS sensor.
- Be careful not to damage the TPMS sensor when installing the bead brake near the TPMS sensor.



3. Remove the sensor body (A) from the valve (B) in the direction of the arrow.

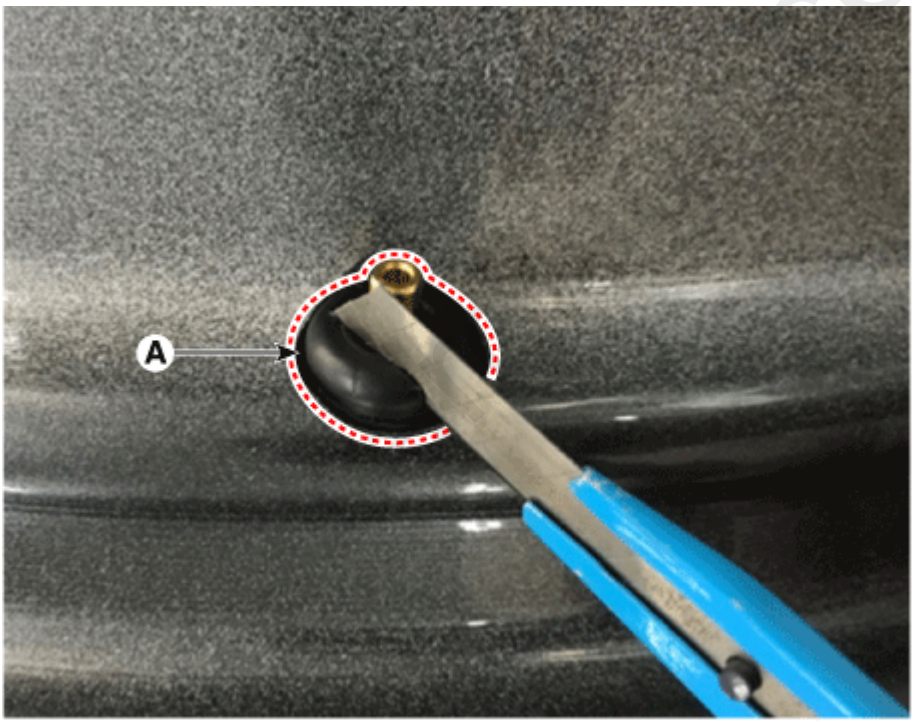


4. Use the valve mounting tool to pull out the valve until it is entirely out of the lower hole.



NOTICE

Cut the rubber(A) at the bottom of valve with a knife.

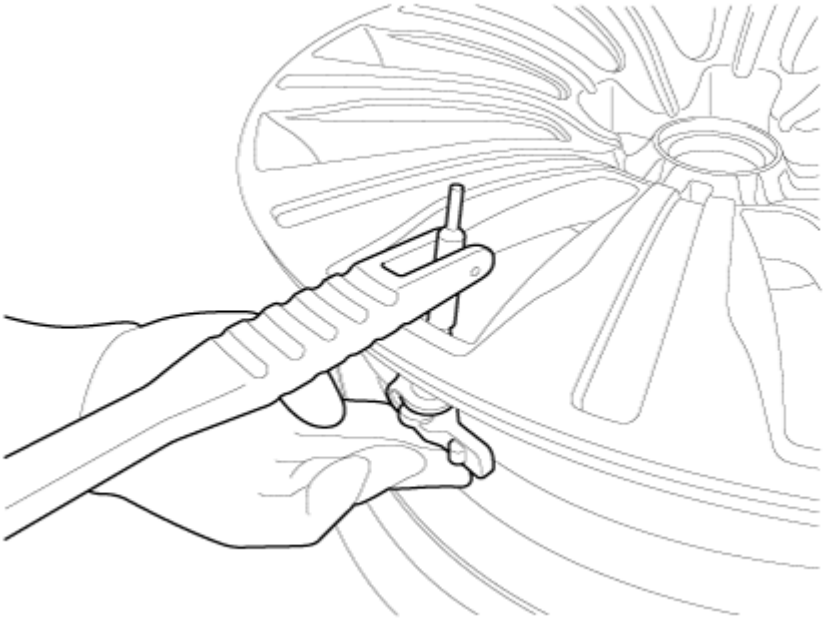


5. Apply lubricant to the surface of the valve, and then mount it through the valve hole of the wheel.

NOTICE

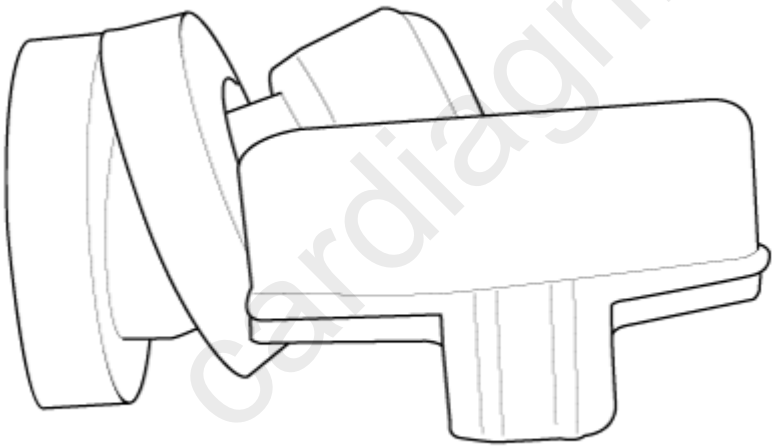
We recommend using regular soapy water as lubricant.

English

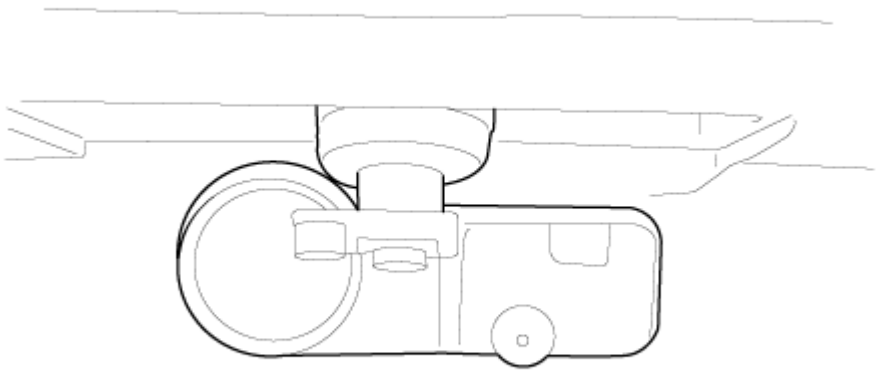


⚠ CAUTION

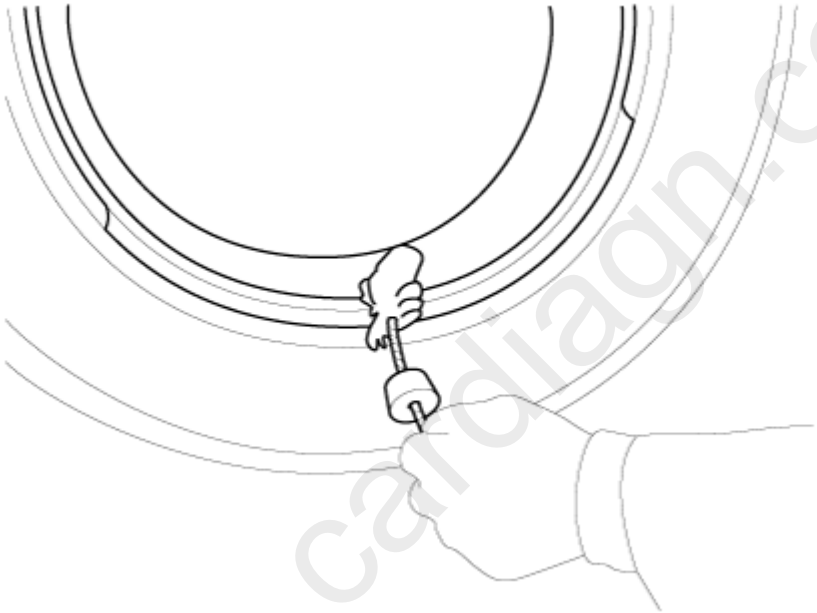
- The TPMS sensor valve bottom is not properly sealed if it is not fully mounted on the wheel, as shown in the following figure:



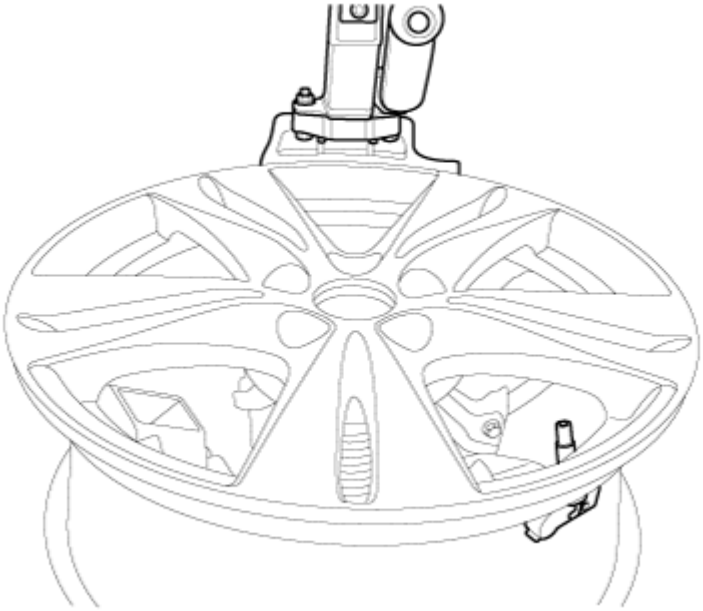
- Make sure that the valve body is pulled entirely through the hole.



6. Apply soapy water or lubricant to the upper/lower bead section of the tire.



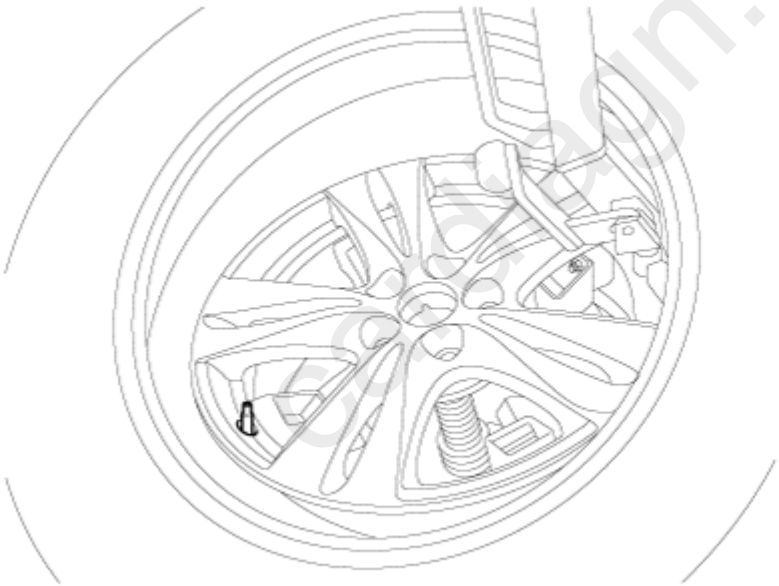
7. In order to mount lower the beads, place the TPMS sensor at 5 o'clock, starting from the head of the tire replacement equipment.



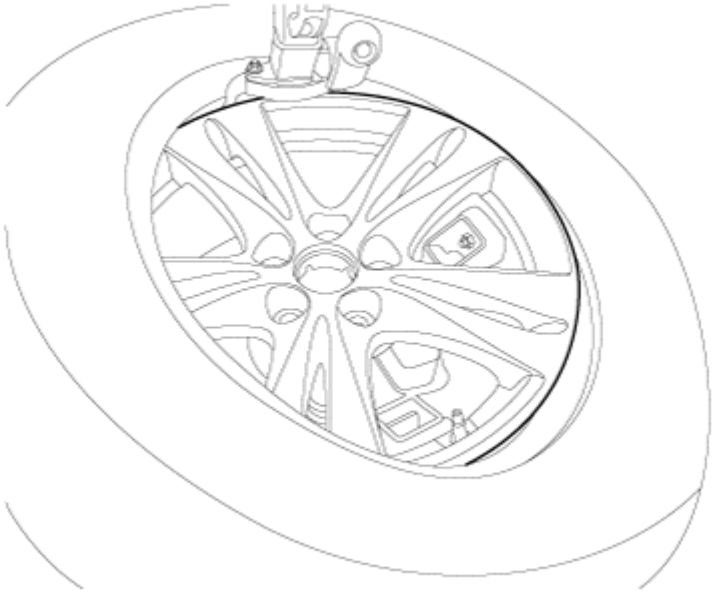
8. Rotate the rim clockwise and press tire towards 3 o'clock to mount the lower beads.

⚠ CAUTION

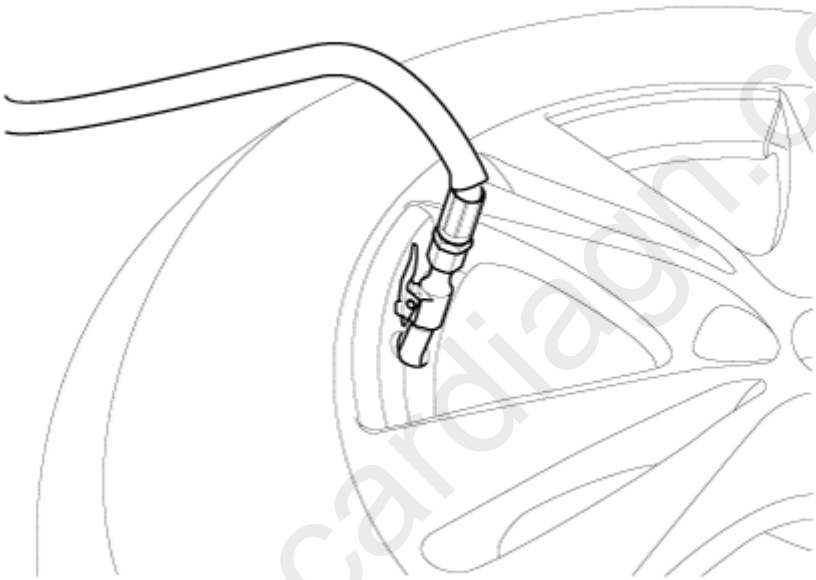
- Mount the tire on the wheel. Make sure that the beads touch the edge of the rim behind the sensor (towards 6 o'clock).



9. In order to mount the upper beads, press the tire towards 3 o'clock and turn the rim clockwise.



10. Inject air into the tire until the beads are in the correct position.

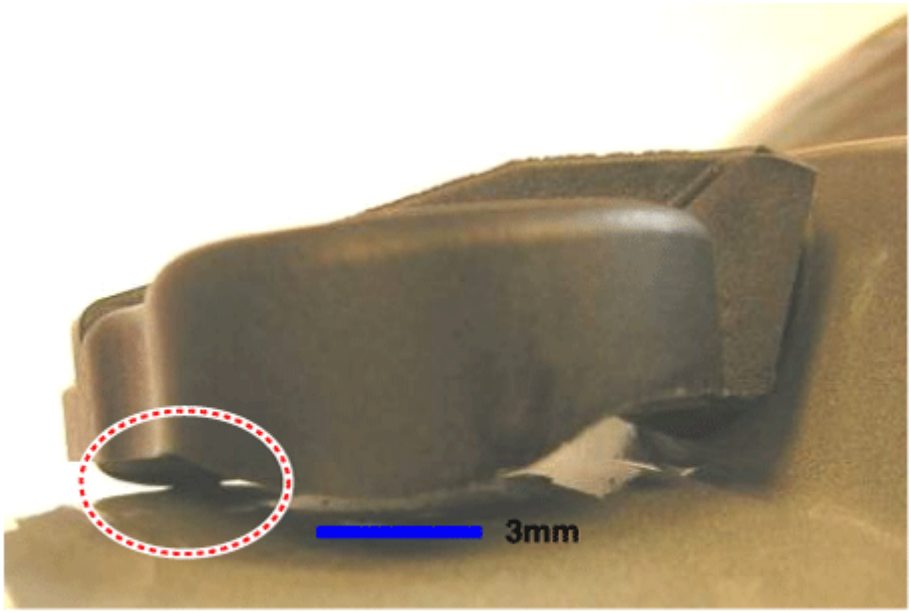


11. Adjust the tire pressure according to the recommended tire pressure for the vehicle.
12. If the TPMS sensor malfunctions, you must perform TPMS sensor learning. Replace any faulty sensors and perform TPMS sensor learning.

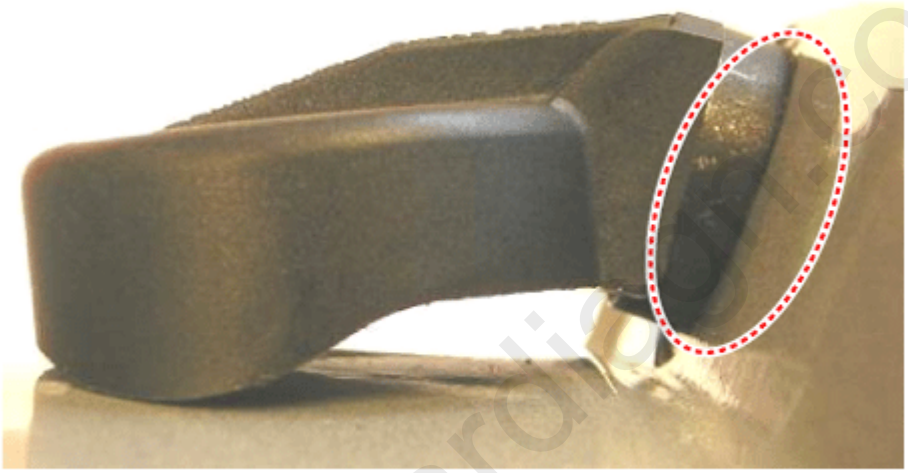
INSPECTION

Test procedures after installing TPMS sensor

1. The sealing washer should be compressed on the outside rim of the hole.
2. The lower part of the valve should be located in a specified place (no metal brackets).
3. The housing should contact at least one or more points of the rim surface.
4. The rim of the housing mounting height shall not exceed the height of the chin.



[Normal]



[Faulty]

DIAGNOSTIC PROCEDURE USING A DIAGNOSTIC INSTRUMENT

The following section describes how to diagnose faults using a diagnostic instrument.

1. Connect the diagnostic instrument to the self-diagnostic connector (16-pin) beneath the crash pad on the side of driver's seat, and then turn on the ignition to activate the diagnostic instrument.
2. In the KDS Vehicle Type Selection menu, select "Vehicle Type" and "TPMS" System, and then opt for "OK."

[Register Sensor Method]

English

English

S/W Management

• **Register Sensor**

Purpose	To write Sensor ID into Tire Pressure Monitoring System(TPMS) ECU.
Enable Condition	1. Engine Off 2. Ignition Switch On 3. TPMS Exciter required
Concerned Component	Tire Pressure Monitoring System(TPMS) ECU, Initiator, Tire Pressure Monitoring System(TPMS) sensor
Concerned DTC	-
Fail Safe	-
Etc	This function is to write sensor ID that read with TPMS exciter to ECU

OK

! Do not touch any system buttons while performing this function.

English

S/W Management

Register Sensor

[Register sensor]

1. This function is to input sensor ID to TPMS control module(TPMS ECU), Which is used to operate the TPMS properly.

2. The data is composed of 8 alphanumeric characters.

3. [Read ID] is the sensor ID which is read through TPMS diagnosis module currently, [Write ID] is the new sensor ID which is stored in the TPMS ECU.

[Condition]

1. IG. On (Engine Off)

Press the [OK] button.

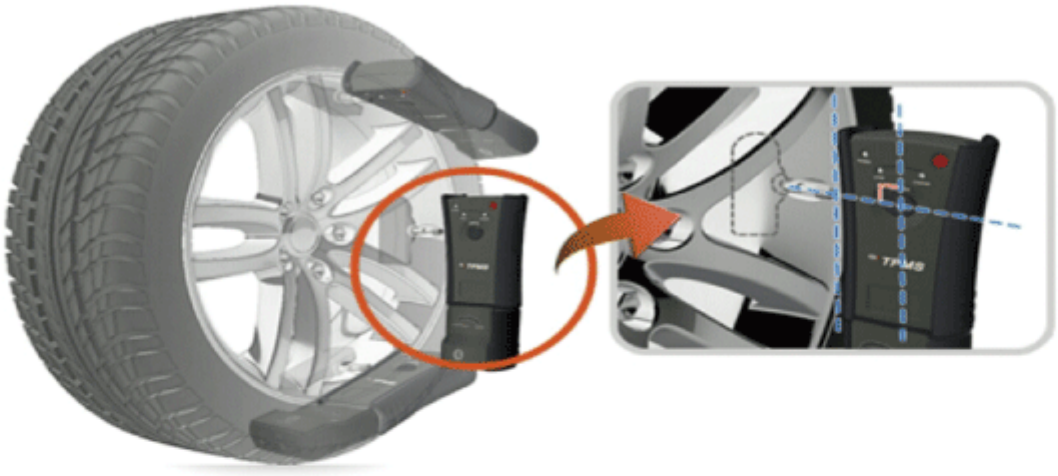
OK Cancel

! Do not touch any system buttons while performing this function.

English

S/W Management

Register Sensor



[Caution]

For most accurate reading and retrieval of correct sensor data, follow the guide below.

1. Place the [Enter] button of the TPMS Diagnosis Module in line with the TPMS sensor(Valve stem) of the wheel as shown in the image.

2. Position the TPMS Diagnosis Module as near as possible to the tire.

3. Reading may take 30~60 seconds depending on the sensor's characteristics.

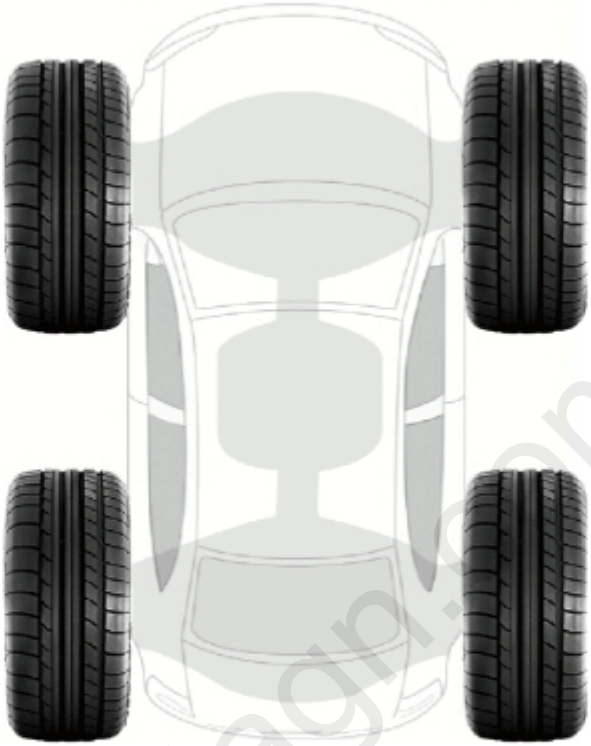
OK

! Do not touch any system buttons while performing this function.

English

S/W Management

Register Sensor



Front Left
- Read ID: 82D2C731
- Write ID:

Front Right
- Read ID: 83DB56AC
- Write ID:

Rear Left
- Read ID: 83DB56A7
- Write ID:

Rear Right
- Read ID: 82D2DBC0
- Write ID:

Clear | Write | Cancel

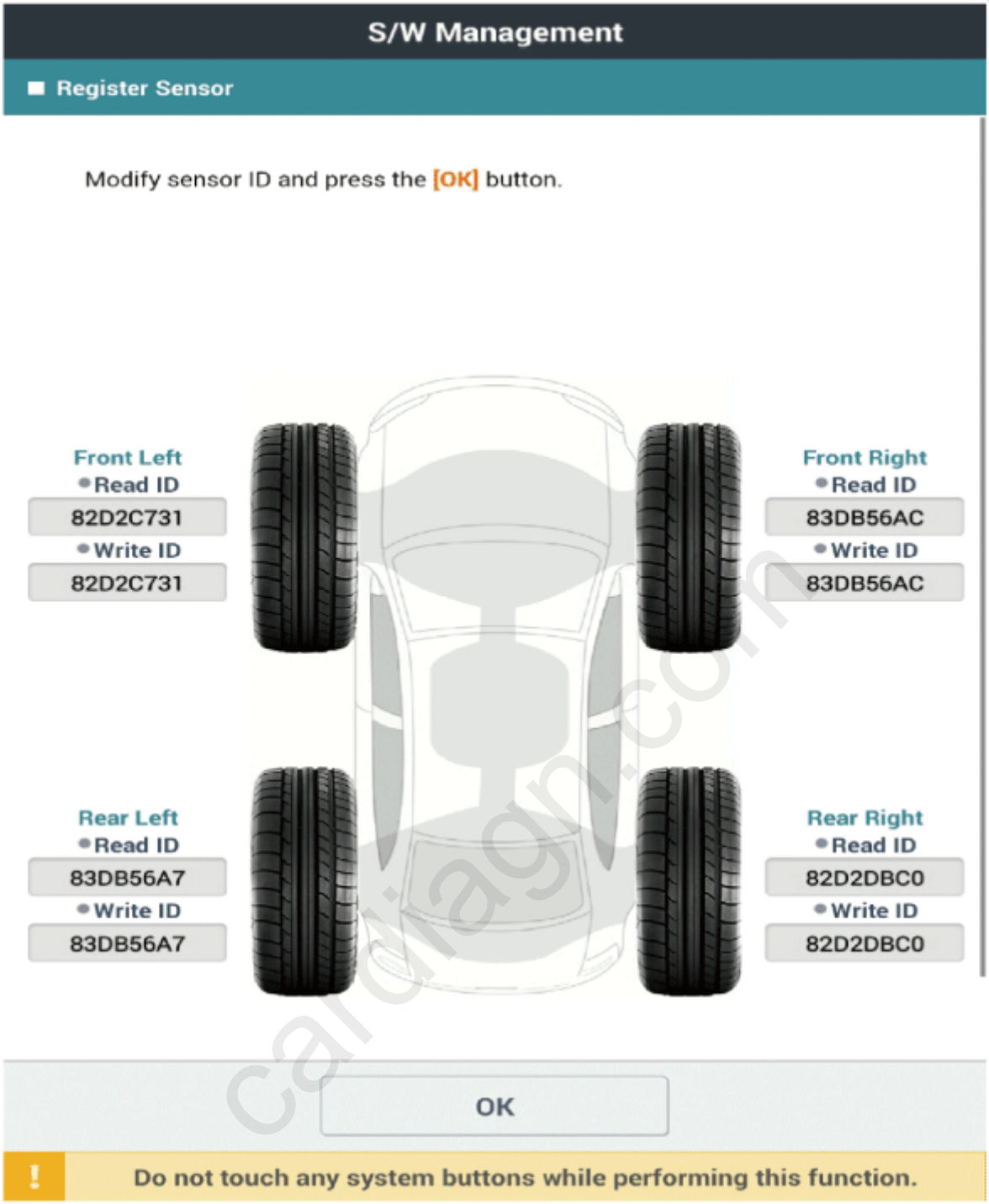
! Do not touch any system buttons while performing this function.

English

NOTICE

- Check that Write ID and Read ID are the match.
- After successfully registering the sensor, perform "Sensor Wireless Information" to confirm that the sensor operates properly.

English



[Sensor Status Method]

English

English

S/W Management

• Sensor Status

Purpose	To check status of TPMS(Tire Pressure Monitoring System) sensor installed in each wheels.
Enable Condition	1. Engine Off 2. Ignition Switch On 3. TPMS Exciter required
Concerned Component	Tire Pressure Monitoring System(TPMS) ECU, Initiator, Tire Pressure Monitoring System(TPMS) Sensor
Concerned DTC	-
Fail Safe	-
Etc	1.Must check vehicle type(Low or High) before change sensor type. 2.In case vehicle type is low, then sensor status must be changed to low type.

OK

! Do not touch any system buttons while performing this function.

English

S/W Management

Sensor Status

[Sensor status]

This function is to read information about sensor status from TPMS sensor in the Tire.

Press the [OK] button.

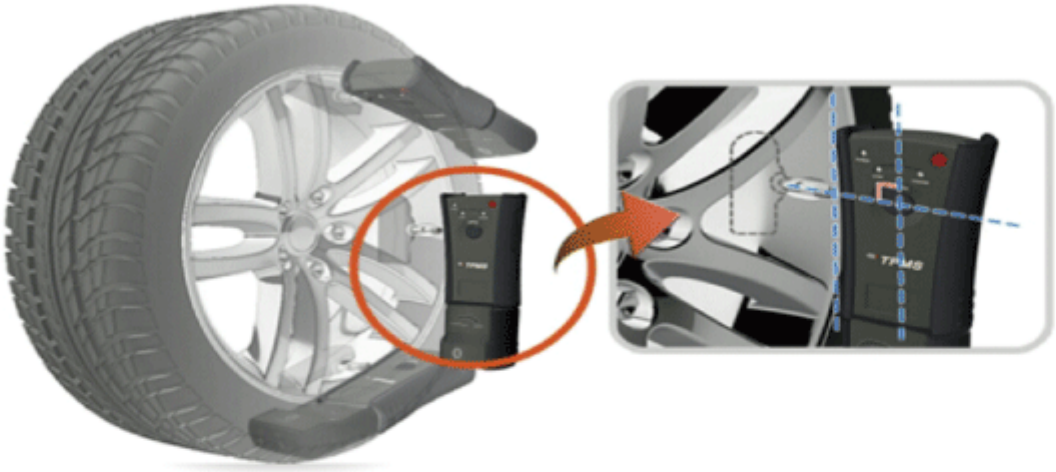
OK Cancel

! Do not touch any system buttons while performing this function.

English

S/W Management

Sensor Status



[Caution]

For most accurate reading and retrieval of correct sensor data, follow the guide below.

1. Place the [Enter] button of the TPMS Diagnosis Module in line with the TPMS sensor(Valve stem) of the wheel as shown in the image.

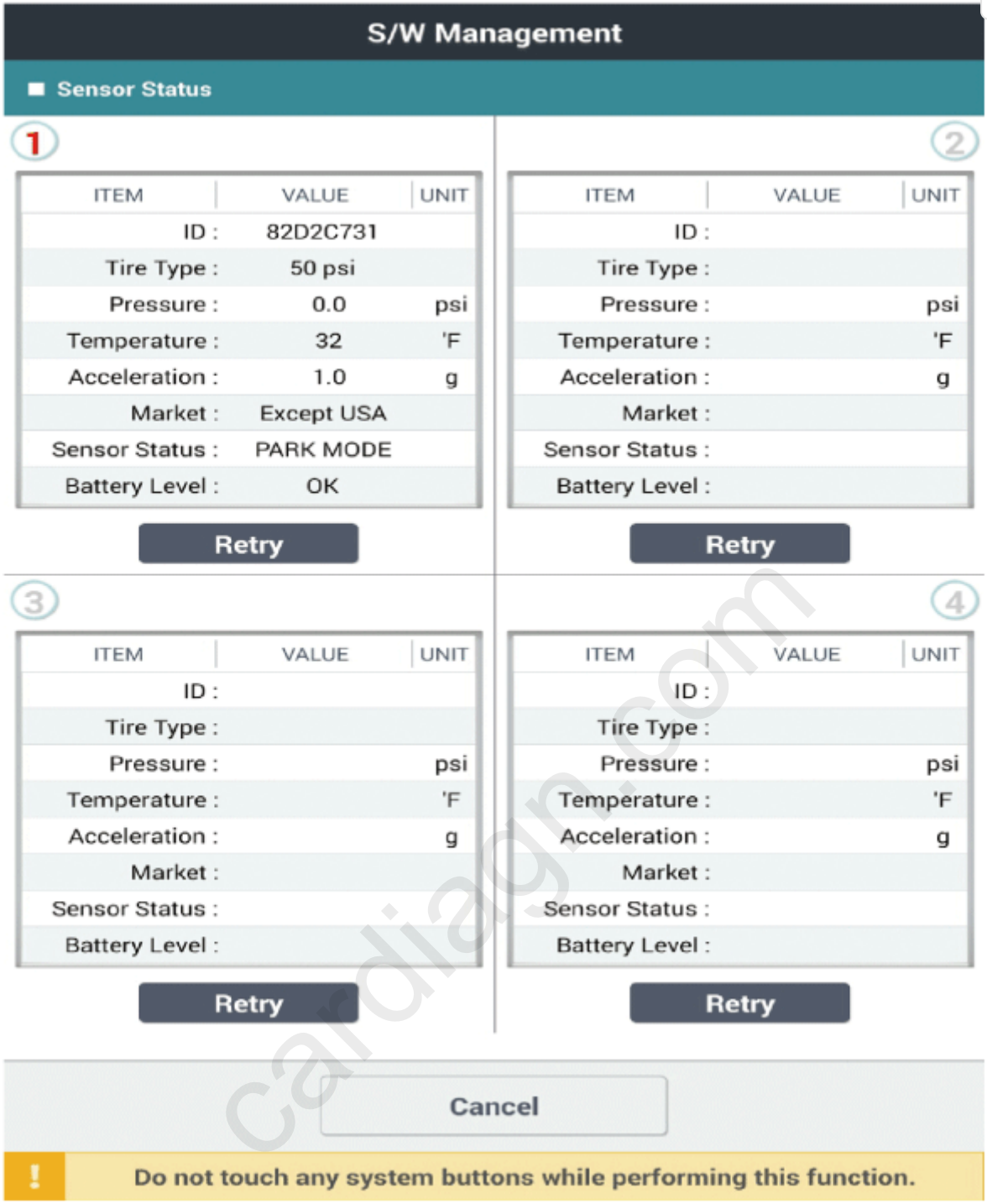
2. Position the TPMS Diagnosis Module as near as possible to the tire.

3. Reading may take 30~60 seconds depending on the sensor's characteristics.

OK

Do not touch any system buttons while performing this function.

English



NOTICE

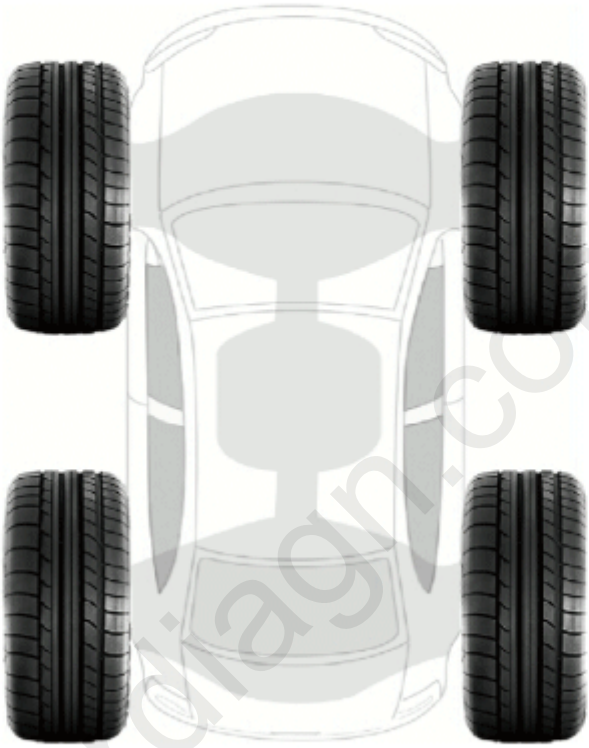
- Each entry must be checked for normal operation of each sensor.
- After replacing the tires or sensors, check for proper operation of sensor after sensor registration process.

English

S/W Management

Register Sensor

Modify sensor ID and press the [OK] button.



Front Left	Front Right
Read ID: 82D2C731	Read ID: 83DB56AC
Write ID: 82D2C731	Write ID: 83DB56AC

Rear Left	Rear Right
Read ID: 83DB56A7	Read ID: 82D2DBC0
Write ID: 83DB56A7	Write ID: 82D2DBC0

OK

! Do not touch any system buttons while performing this function.