

Removal

NOTICE

If replacement of the rear corner radar unit bracket or extension wire is required, replace the defective part only with a new one.

1. Disconnect the negative (-) battery terminal.
2. Remove the rear bumper assembly.
(Refer to Body - "Rear Bumper Assembly")
3. Disconnect the rear corner radar unit connector (A).



4. Loosen the mounting screws and remove the rear corner radar lower bracket (A).



5. Loosen the mounting screws and remove the rear corner radar unit (A).

NOTICE

Be careful not to damage the bracket when removing the rear corner radar unit.



Installation

1. Install the blind spot radar unit and bracket.

Tightening torque :

bracket : 3.9 - 5.9 N

unit : 3.92 ± 0.105 N.m

2. Install the rear bumper.
3. Connect the negative (-) battery terminal.

NOTICE

Take care not to confuse left side (master) and right side (slave) unit when installing.
BCW units connector connect to the wiring connector.

4. Perform "Correcting the Blind-Spot Radar Unit Angle" procedures.
5. Perform "BSD Radar Calibration" procedures.

Adjustment

Correcting the Blind-Spot Radar Unit Angle

1. After replacing the blind-spot radar unit or bracket, with the bumper removed, use the blind-spot radar unit correction tool set (special tool : 09985-3T500) to perform angle correction.

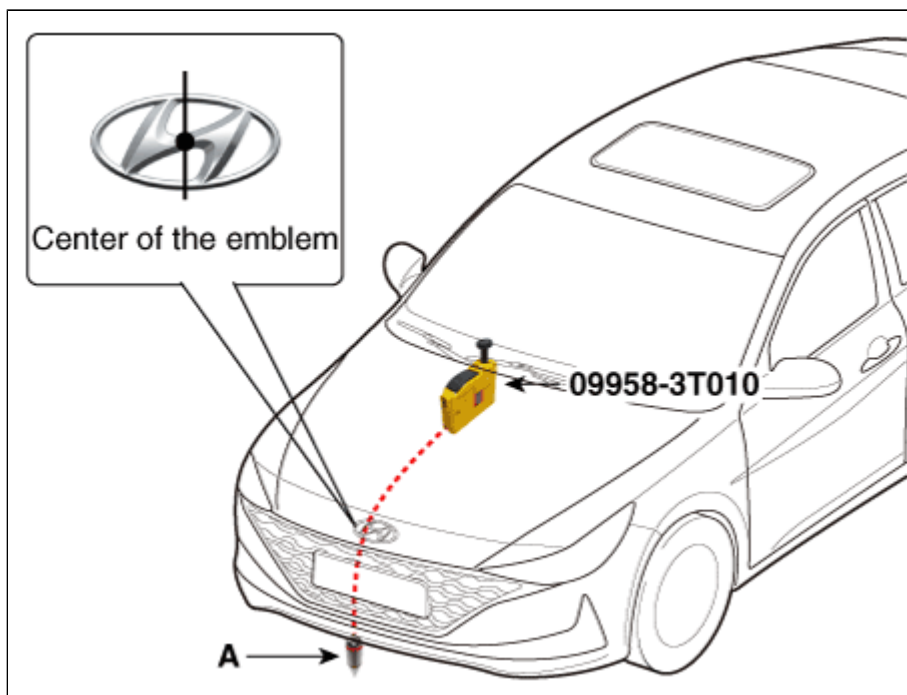
CAUTION

Perform the task on a level place.
Perform the task after checking the tire pressure.

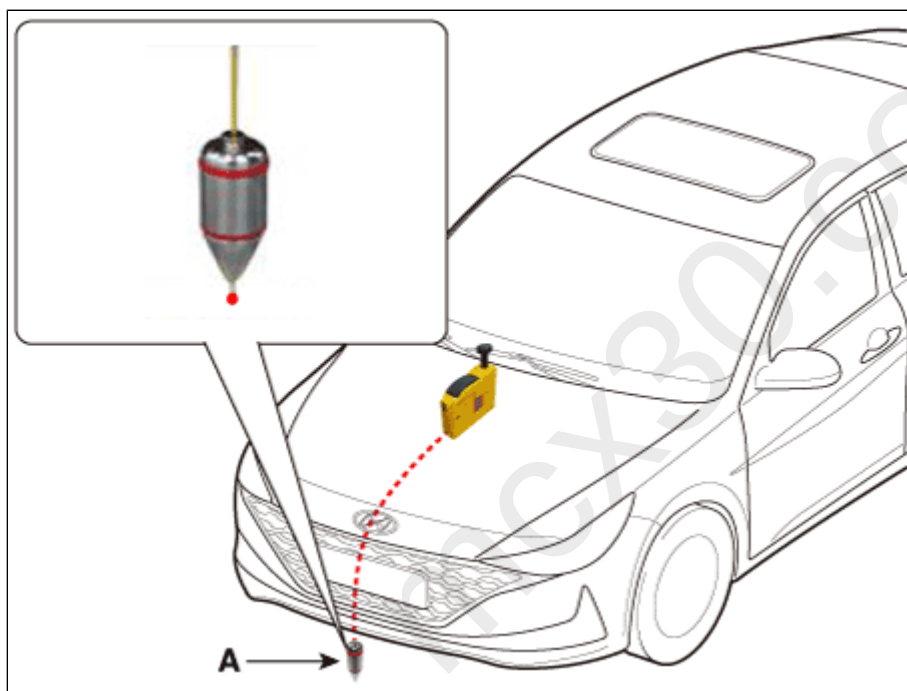
Information

For the dealer who purchased the existing blind-spot radar correction tool set (09958-3T000), refer to the instructions of the 17MY shop manual and repair it.

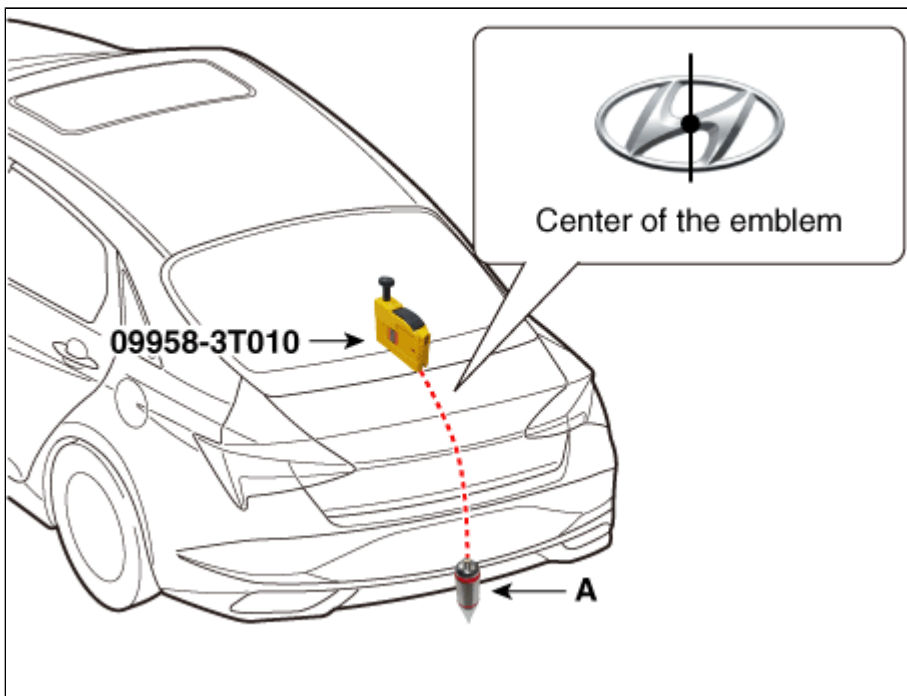
2. Attach a vertical plumb (special tool : 09958-3T010) on the hood, and lower the plumb (A) to the ground so that it passes through the center of the emblem.



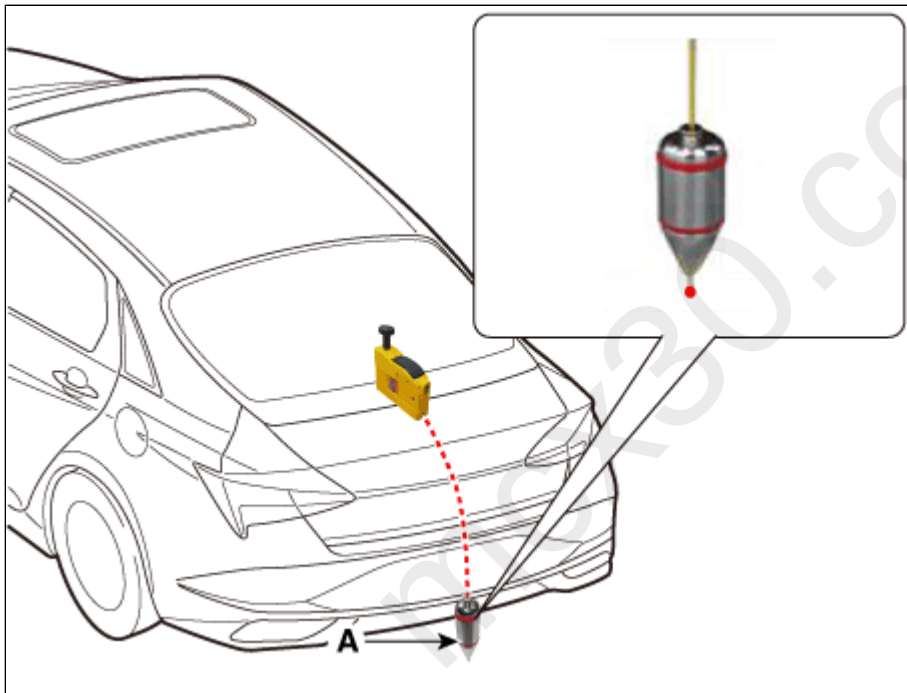
3. Marking the center point below the plumb (A).



4. Attach a vertical plumb (special tool : 09958-3T010) on the trunk (or tailgate), and lower the plumb (A) to the ground so that it passes through the center of the emblem.

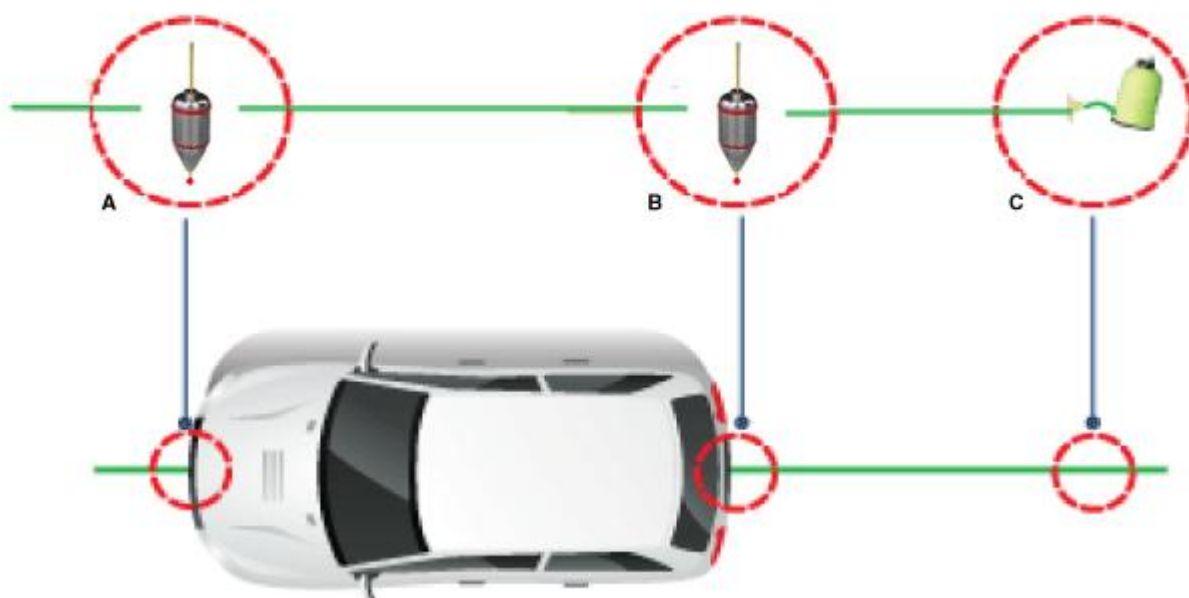


5. Marking the center point below the plumb (A).



6. Marking the center of vehicle by a string.

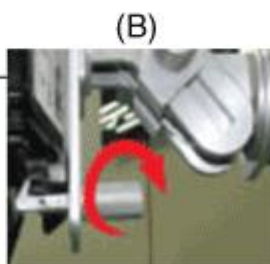
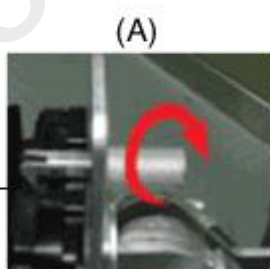
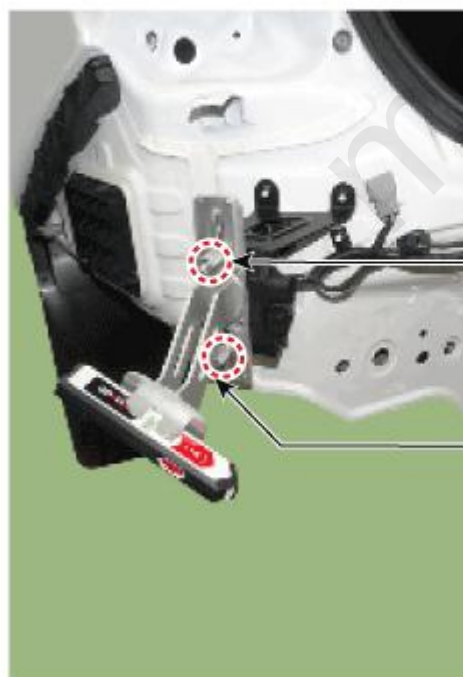
- 1) Pass the string through the bottom of the vehicle from the rear of the vehicle to the front and fix the string to the center point (A) of the front of the vehicle.
- 2) Fix the string to the point (C) about 1.5 - 2m from the back of the vehicle so that it passes the rear center point (B).



7. Mount the blind-spot radar unit fixing adaptor (special tool : 09958-3T080) on the blind-spot radar unit and fix the level laser (special tool : 09958-3T070).



+

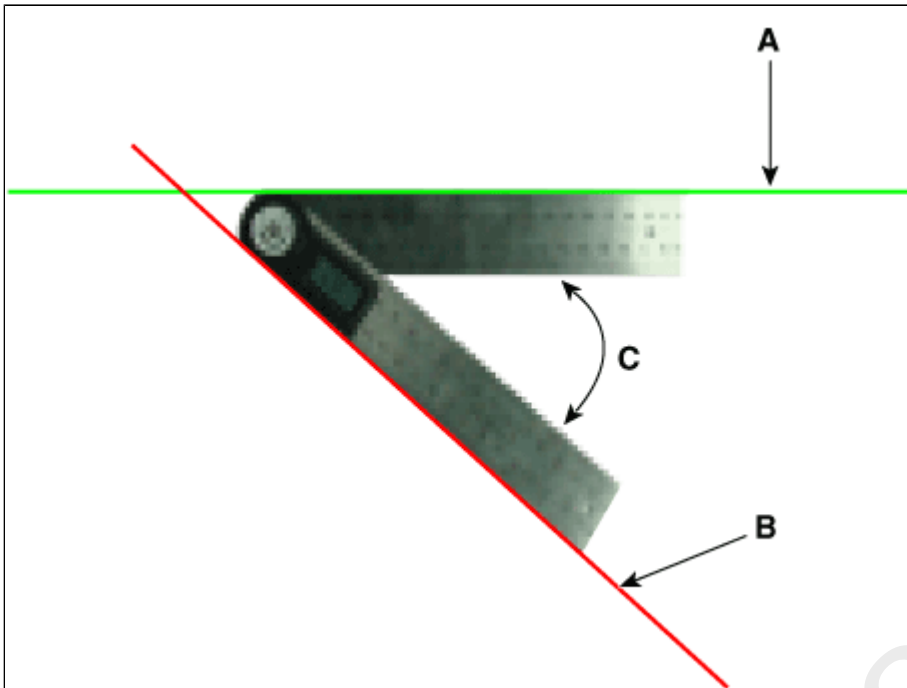


NOTICE

When with the blind-spot radar unit cover, remove the cover and then mount the fixing adaptor (special tool: 09958-3T080).

8. Measure the angle (C) between the center line (A) of the angle measuring plate and the horizontal laser beam (B) using a digital protractor (special tool : 09958-3T090).

Horizontal Angle (C): $44^{\circ} \pm 3^{\circ}$



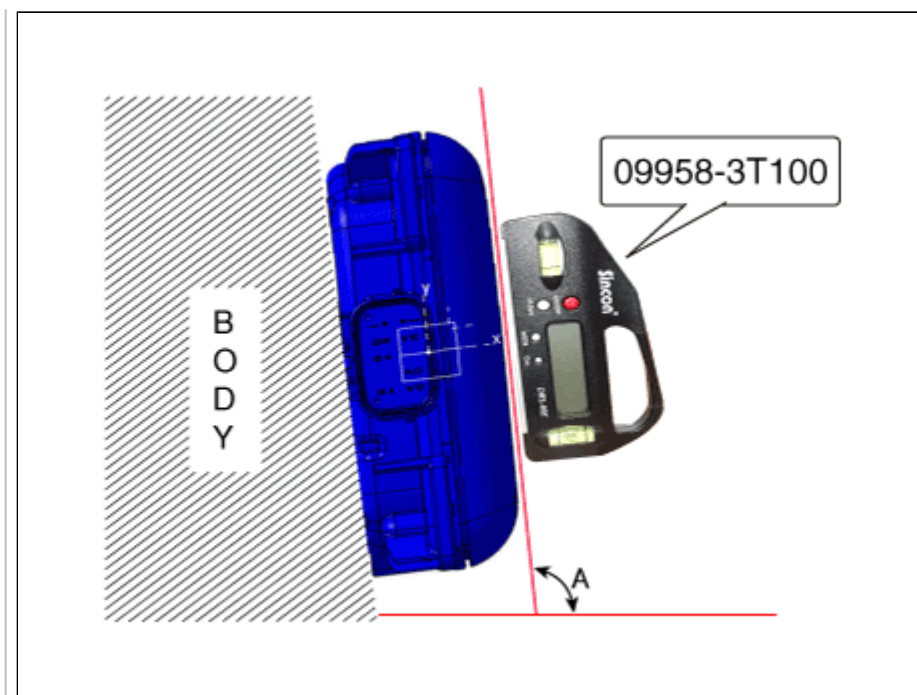
9. Use a digital inclinometer (special tool : 09958-3T100) to measure the vertical angle of the blind-spot radar unit.

Vertical Angle : $90^{\circ} \pm 1.5^{\circ}$



NOTICE

Digital Inclinometer (09958-3T100) Vertical measurement angle (A) : $90^{\circ} \pm 1.5^{\circ}$

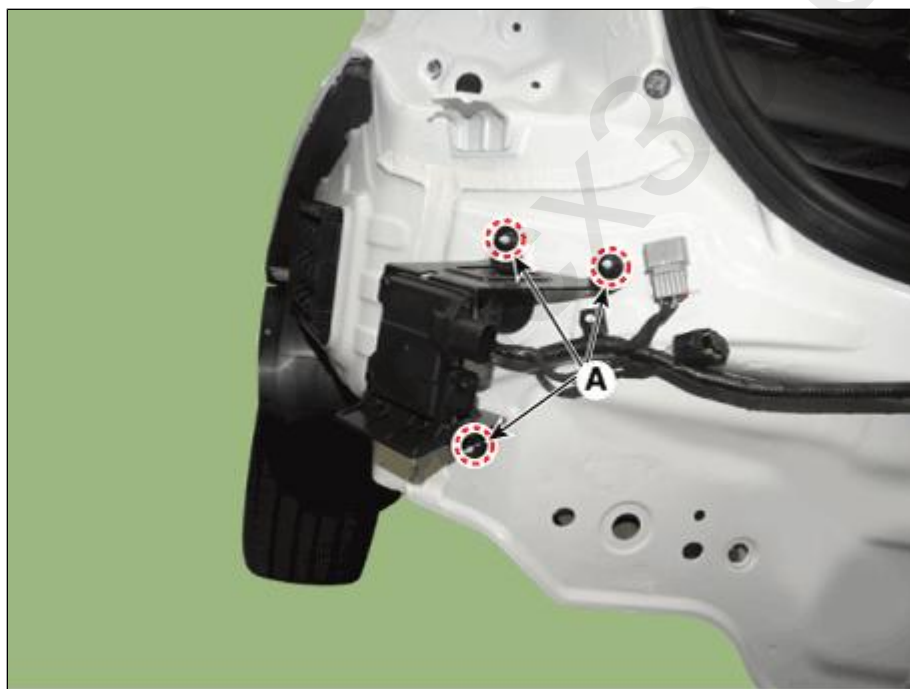


10. Measure the horizontal and vertical angles of left and right blind-spot radar units. If the measured values deviate from the specified values, insert a washer between the bracket of the blind-spot radar unit.

Specified Values

Horizontal Angle : $44^{\circ} \pm 3^{\circ}$

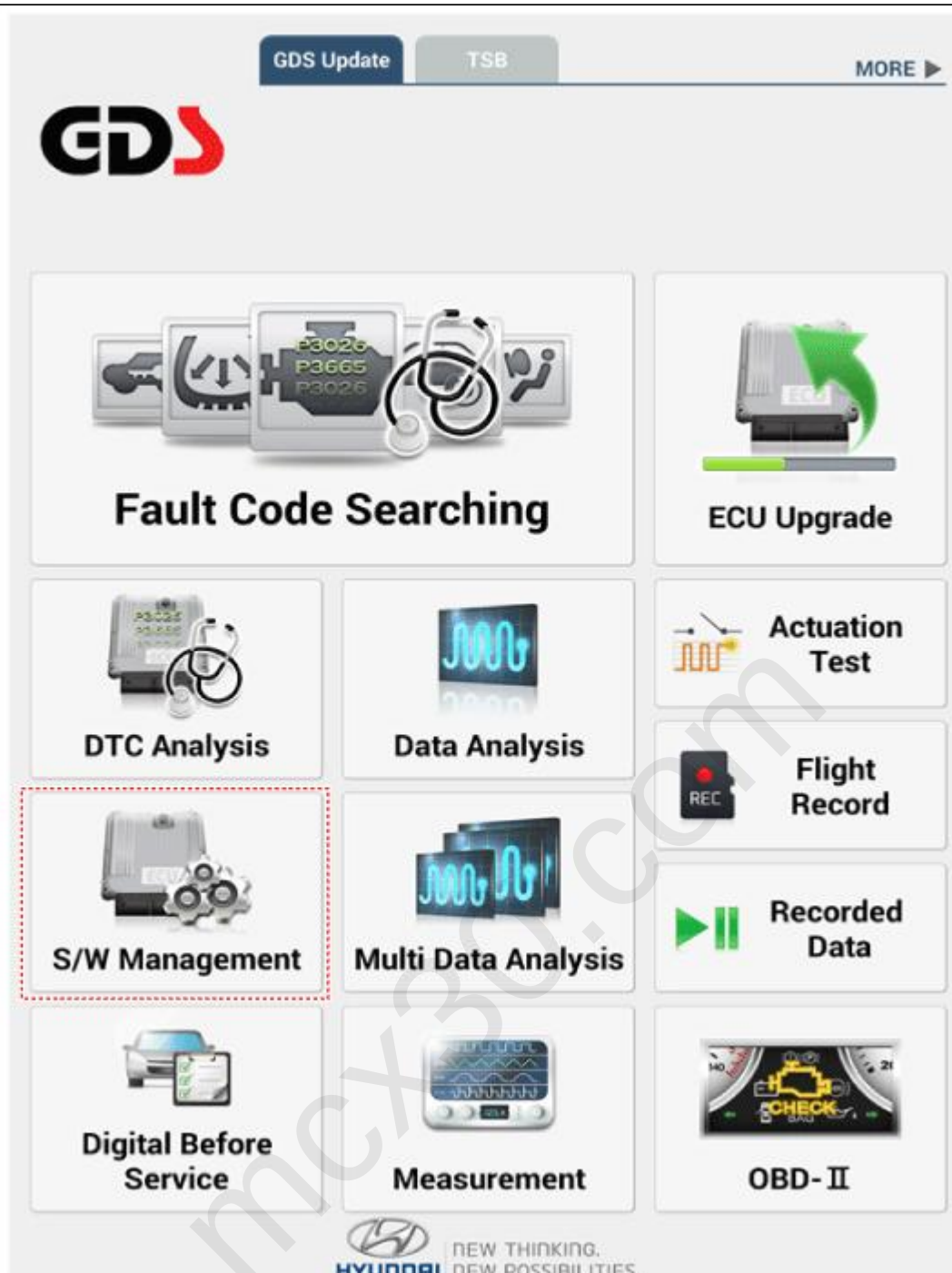
Vertical Angle : $90^{\circ} \pm 1.5^{\circ}$



11. After checking and correcting the blind-spot radar unit angle, perform the blind-spot radar radar correction procedure.

Diagnosis with Diagnostic tool

1. Rear bumper accident vehicles and vehicles that replaced BCW units must perform BCW unit alignment using Diagnostic tool.
2. Connect the cable of Diagnostic tool to the data link connector in driver side crash pad lower panel, and turn on the Diagnostic tool.
3. Select the 'S/W Management' and 'Car model'.



4. Select "Blind -Spot Collision Warning" and "BSD Radar Calibration".



5. Perform the "BSD Radar Calibration" procedure according to the Diagnostic tool screen message.

S/W Management

■ BSD Radar Calibration

● [BSD Radar Calibration]

This function sets BSD Radar after replacement.

This calibration procedure will clear any 'Missing Calibration' DTCs which allows the Radar Sensors to go through the Self Alignment Procedure.

The Sensors continually self-align while the vehicle is driven.

It may take up to 30 seconds.

It will not allow cancelation of the process.

Press **[OK]** below to continue.

OK

Cancel



Do not touch any system buttons while performing this function.

Rate this Document

☐ Document Type : SHOP

☐ Document Rating :

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

Little Value

1

2

3

4

5

Excellent Value