



Removal

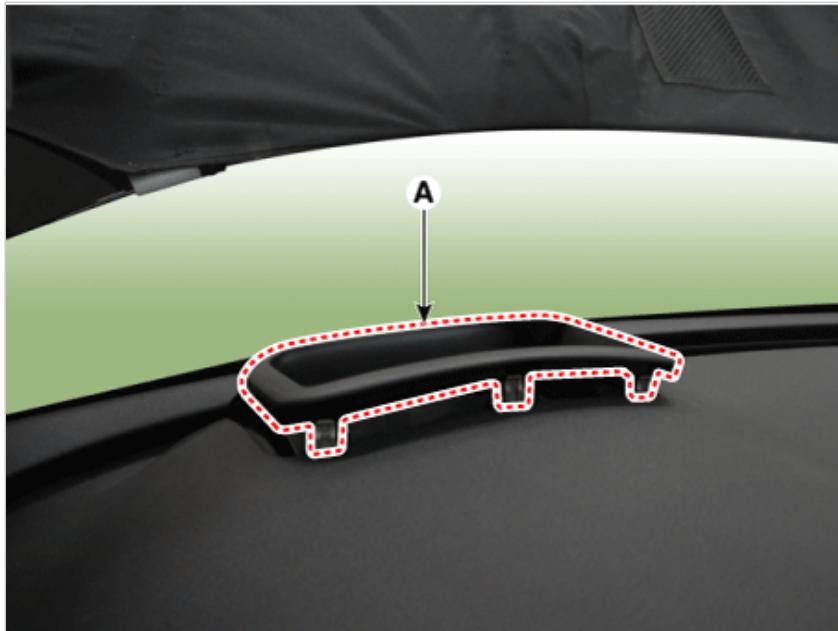
CAUTION

Put on gloves to prevent hand injuries.

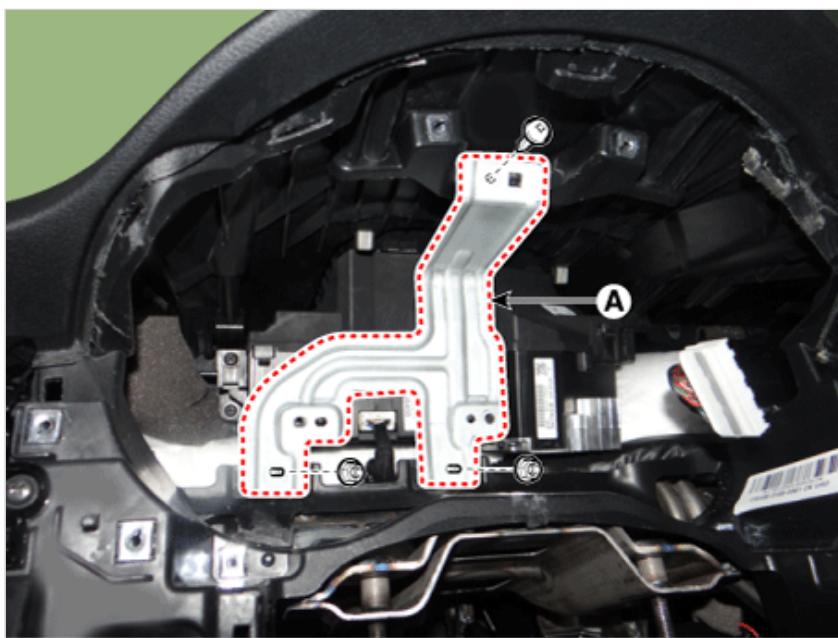
Information

- Use a plastic panel removal tool to remove interior trim pieces without marring the surface.
- Take care not to bend or scratch the trim and panels.

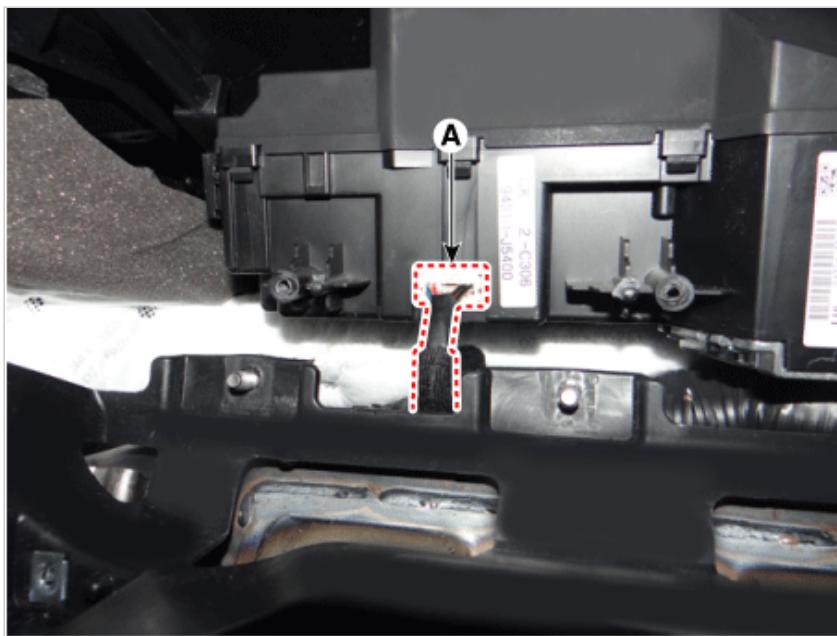
- Disconnect the negative (-) battery terminal.
- Remove the head up display bezel (A) by using a remover.



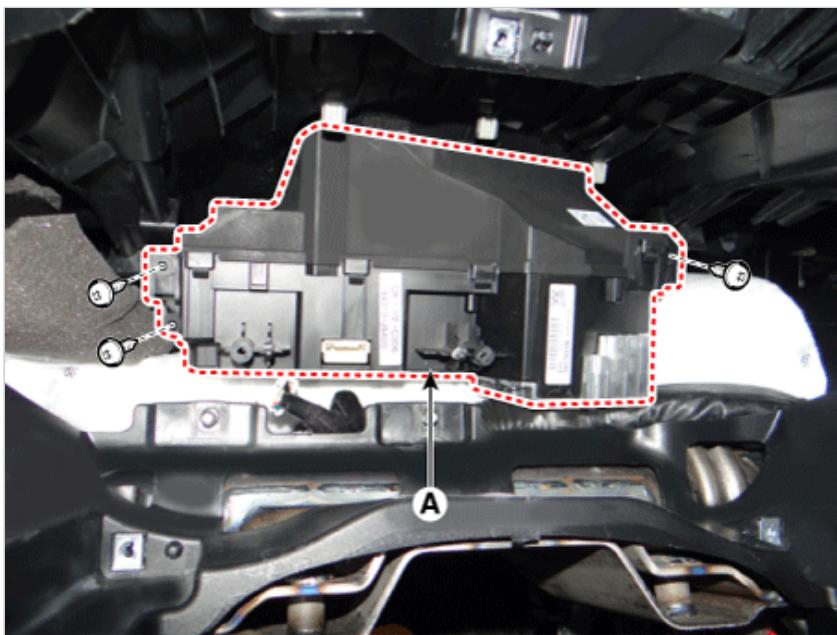
- Remove the instrument cluster.
(Refer to Indicators And Gauges - "Instrument Cluster")
- Remove the head up display unit bracket (A) after loosening the mounting screw and nuts.



- Disconnect the head up display unit connector (A).



6. Remove the head up display unit (A) after loosening the mounting screws.



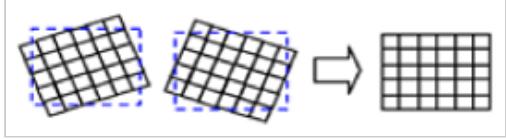
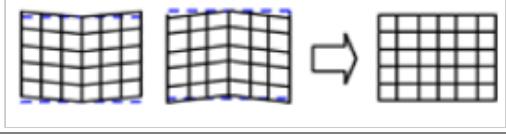
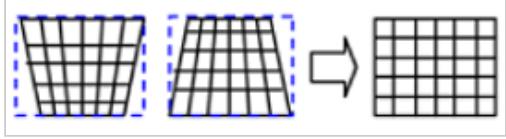
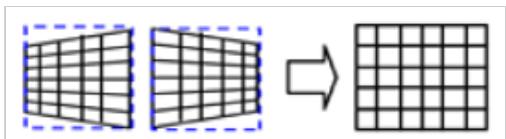
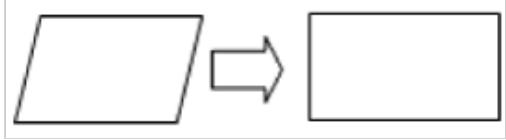
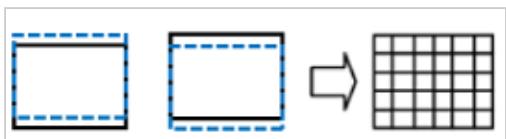
Installation

1. Connect the connector after installing the head up display unit.
2. Install the head up display unit bracket.
3. Install the instrument cluster.
4. Install the head up display bezel.
5. Connect the negative (-) battery terminal.

Inspection

If a part of the head up display footage is distorted or it is not at eye level with the driver a Global Diagnostic System (KDS) can be used to carry out calibration.

1. Calibration is required:
 - After replacing the head-up display unit
 - When the footage is distorted after replacing the windshield (double vision removal film built-in glass)
 - When the HUD mounted main crashpad is removed/installed or replaced.
 - When the image setting location of the HUD unit is not at eye level of the driver resulting in out of focus image.
2. Calibration items

No	Footage calibration functions	Calibration cases
1	Rotation: Calibrate in counterclockwise/clockwise direction at the center.	
2	Smile: Calibrate vertically at the center.	
3	Slanted (up/down): Calibrate along a vertical inclination.	
4	Slanted (left/right): Calibrate along a horizontal inclination.	
5	Parallel compensation	
6	Up/down movement of indicated location: Calibrate to user eye level.	
7	Initialization: Return to previous status before calibration.	

3. Process of calibration

- (1) Locate the vehicle on a flat plane for accurate adjustment.
- (2) Make sure that there are no foreign materials on the windshield.
- (3) Connect the Global Diagnostic System to the vehicle, and select vehicle type and HUD system additional functions.
- (4) Under additional functions select "HUD calibration".

S/W Management

Systems **Components** **Unfold All**

- Active Hood System
- E-Shifter
- Amplifier
- Cluster Module
- Driver Door Module
- Head Up Display
 - System Identification
 - **HUD Calibration**
- IBU-BCM
- IBU-SMK
- IBU-TPMS
- Power Seat Module
- Power Tailgate Module
- Steering Column Module
- Wireless Power Charger System
- ICU (CGW)-Gasoline

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

S/W Management



• HUD Calibration

Purpose	To calibrate display of Head Up Display(HUD).
Enable Condition	1.Engine Off 2.Ignition Switch On
Concerned Component	DIS System
Concerned DTC	B285300
Fail Safe	Set DTC
Etc	-

OK



Do not touch any system buttons while performing this function.

NOTICE

"HUD calibration - initialization" must be performed prior to "calibration".



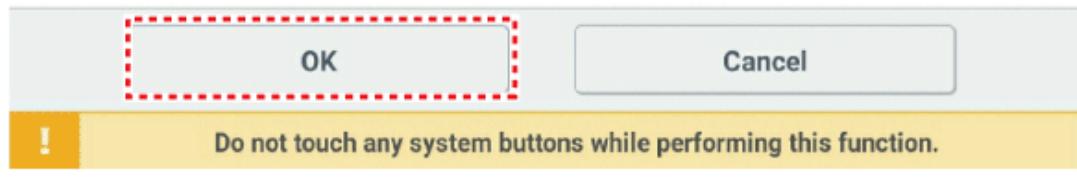
- [HUD display location adjustment]

This function is to set the display spot.

Select the function you want to set.

Engine on and check adjusted display quality after the final display adjustment.

Click **OK** to complete.



(6) Select the necessary calibration items and carry out "HUD calibration".

S/W Management

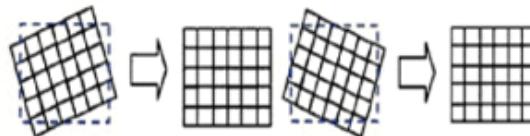
■ HUD Calibration

- [HUD adjustment - rotation]

Select the mode.

C1 - Button input

C2 - Setting value input



This function is to set the rotation of display.

C1

C2

Cancel



Do not touch any system buttons while performing this function.

(7) When calibration is completed, start and cut off the engine and check that the footage calibration is completed.