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## HEADLAMP AIMING INSTRUCTIONS

### [Mechanical aiming]

The headlamps should be aimed with the proper beam-setting equipment, and in accordance with the equipment manufacturer's instructions.

#### NOTICE

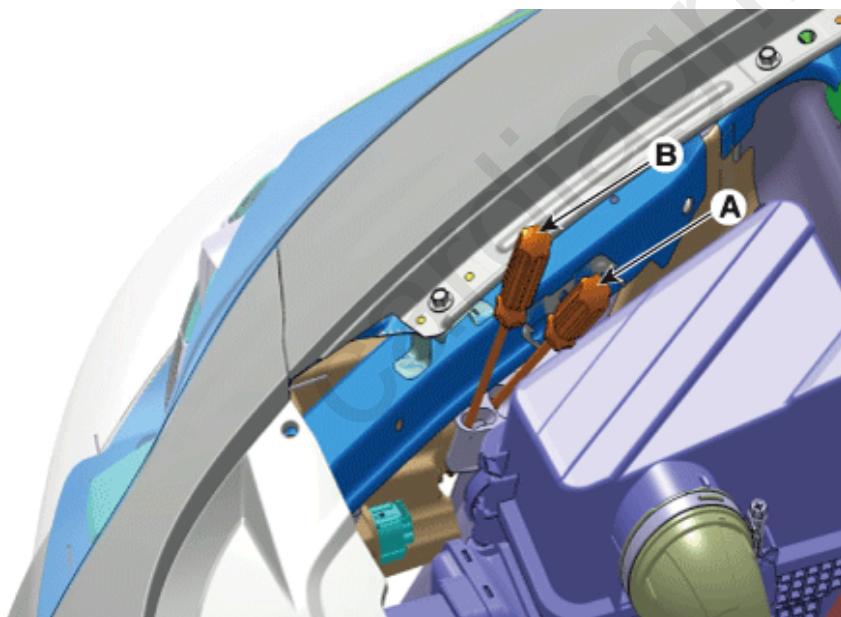
If there are any regulations pertinent to the aiming of headlamps in the area where the vehicle is to be used, adjust so as to meet those requirements.

Alternatively, turn the adjusting gear to adjust the headlamp aiming. If beam-setting equipment is not available, proceed as follows :

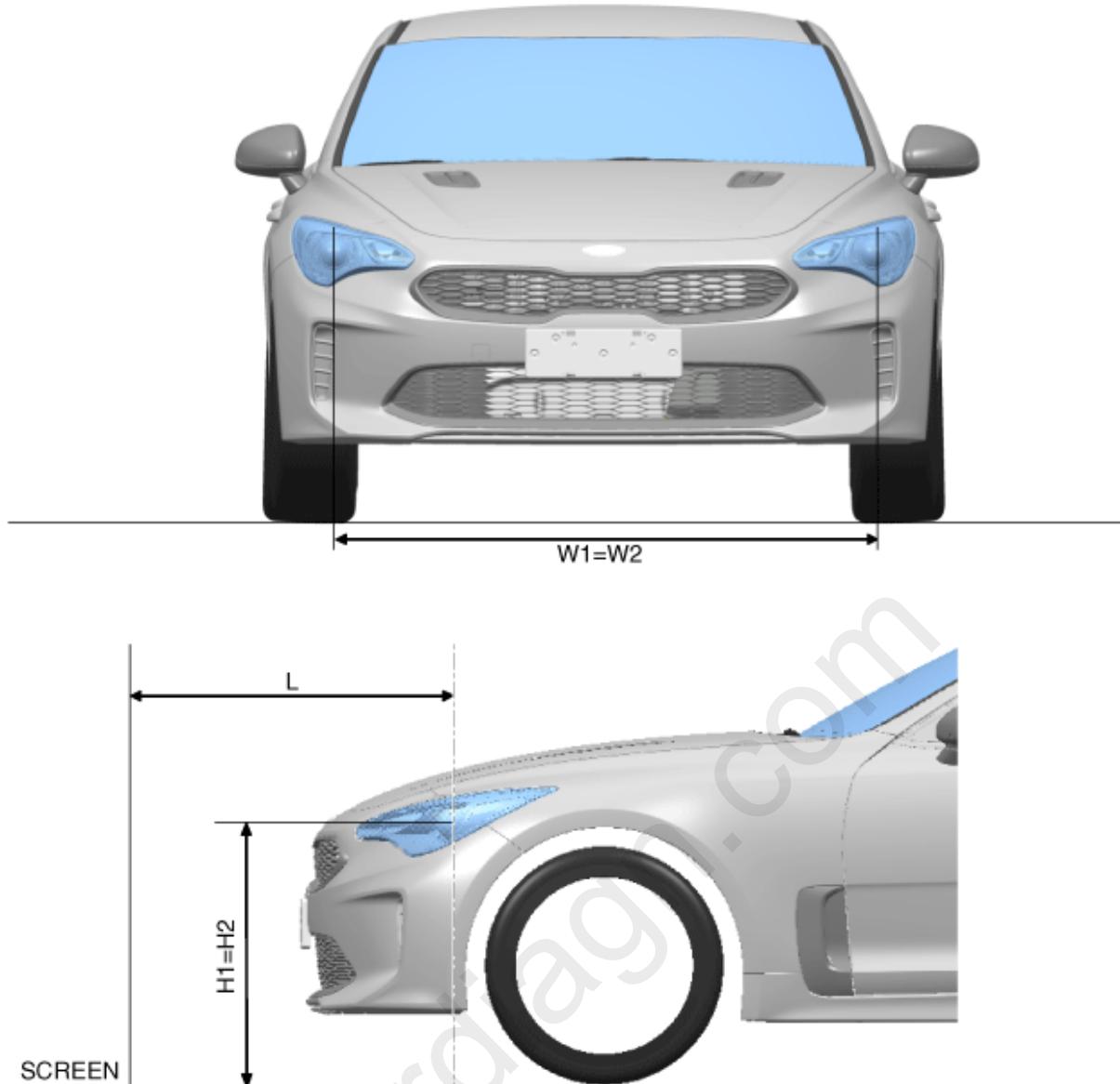
1. Inflate the tires to the specified pressure and remove any loads from the vehicle except the driver, spare tire, and tools.
2. The vehicle should be placed on a flat floor.
3. Draw vertical lines (passing through respective headlamp centers) and a horizontal line (passing through center of headlamps) on the screen.
4. With the headlamps and battery in normal condition, aim the headlamps so the brightest portion falls on the horizontal and vertical lines.

A : Vertical

B : Horizontal



**Headlamp and Fog Lamp Aiming Point**



H1 : Height Between the Head Lamp Low Beam Bulb Center and the Ground

H2 : Height Between the Head Lamp High Beam Bulb Center and the Ground

W1 : Distance Between the Head Lamp Low Beam Bulb Center

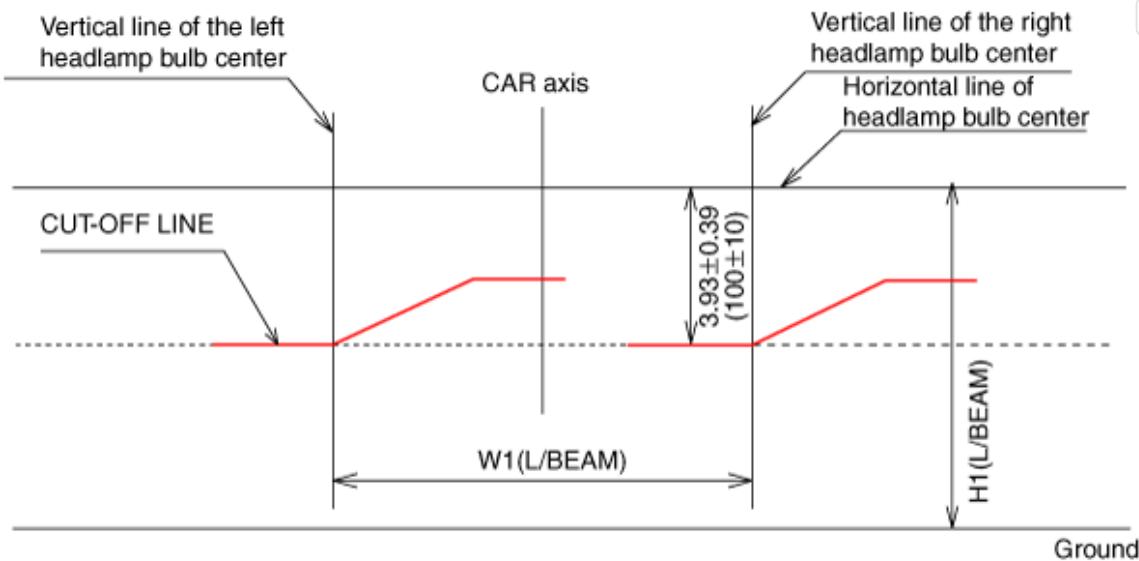
W2 : Distance Between the Head Lamp High Beam Bulb Center

L : Distance Between the head lamp bulb center and screen

Headlamp							Unit : in.(mm)
Type	Vehicle condition	H1	H2	W1	W2	L	
Halogen	Without driver	27.4 (697)		58.3 (1,482)		Refer to aiming condition	
	With driver	27.2 (692)					
LED	Without driver	28.3 (720)		58.5 (1,486)			
	With driver	28.1 (715)					

#### 1. Headlamp (High/Low beam)

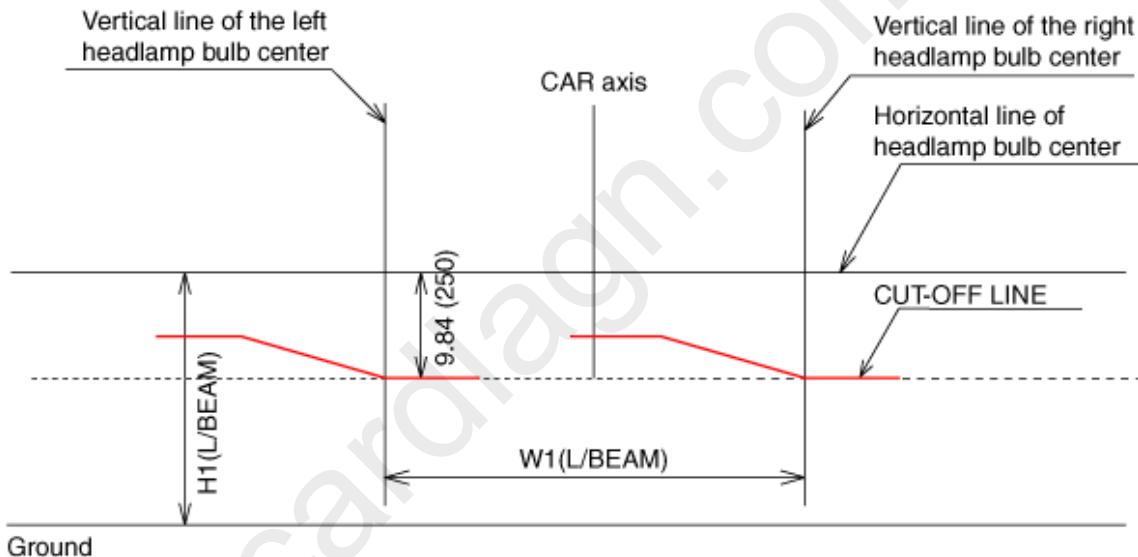
- Turn the low beam on without driver aboard.
- The cut-off line should be projected in the cut-off line shown in the picture.
- If headlamp leveling device is equipped, adjust the headlamp leveling device switch with 0 positions.  
[LHD]



Unit : in.(mm)

32.8ft (10m) SCREEN

[RHD]

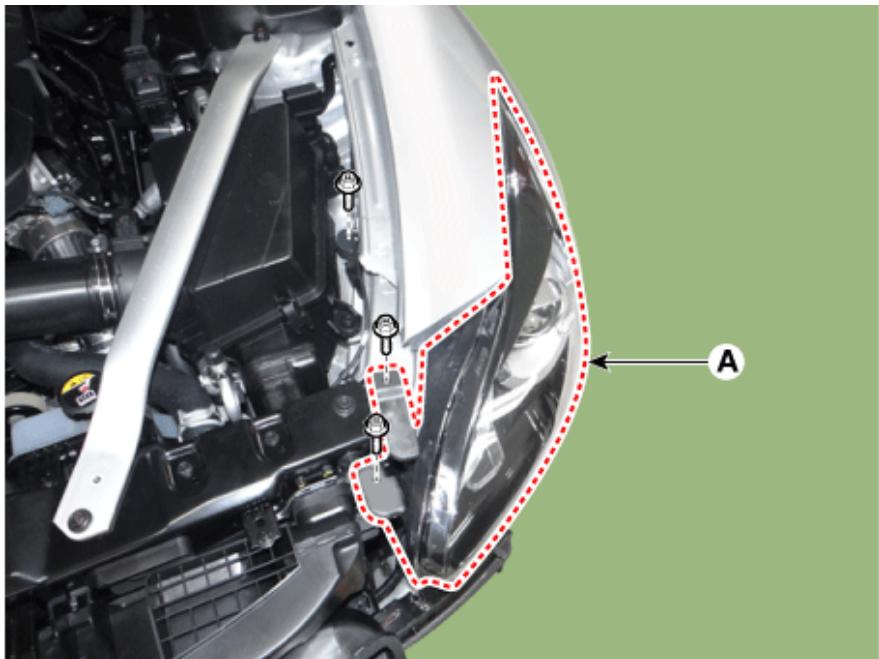


Unit : in.(mm)

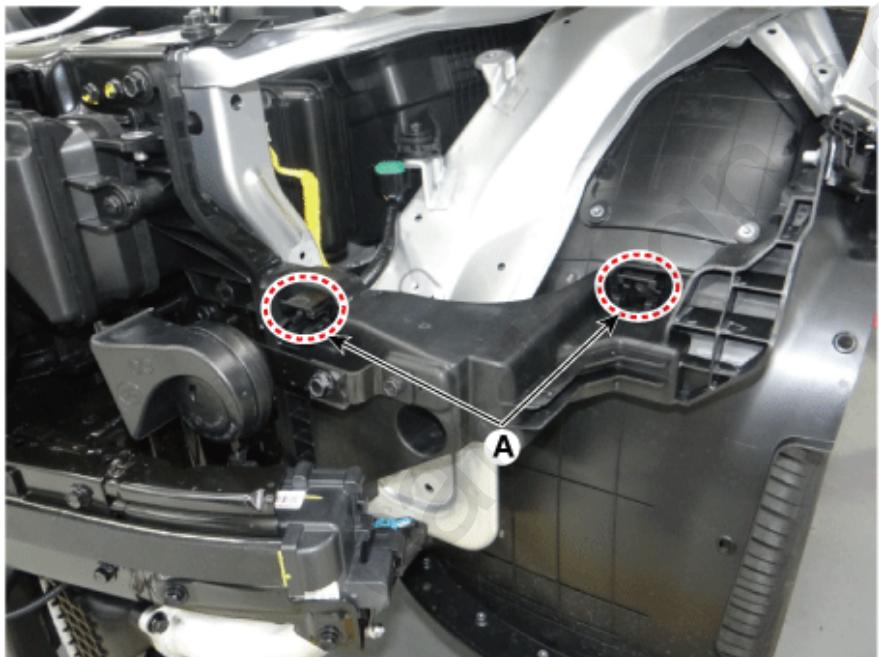
32.8ft (10m) SCREEN

## REMOVAL

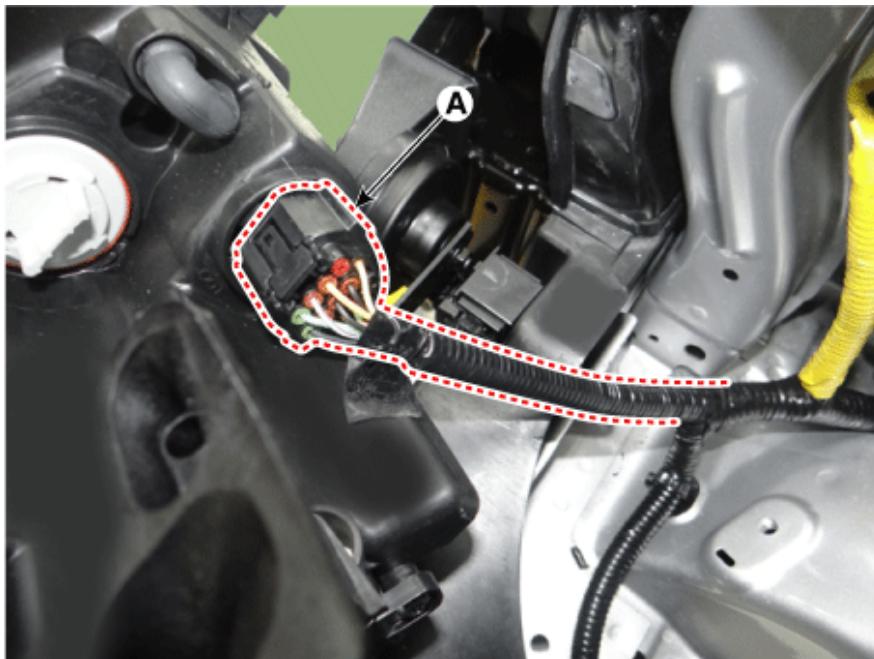
1. Disconnect the negative (-) battery terminal.
2. Remove the front bumper assembly.  
**(Refer to Body - "Front Bumper Assembly")**
3. Remove the headlamp (A) after loosening the mounting bolts.

**NOTICE**

Be careful not to damage the retaining clips (A).



4. Disconnect the headlamp connector (A).



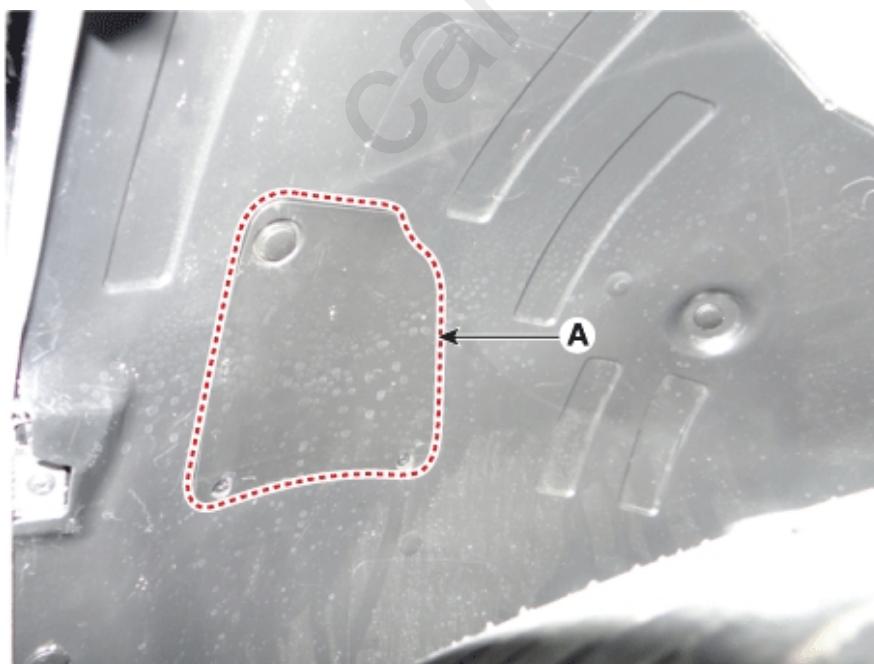
## INSTALLATION

1. Install the headlamp assembly.
2. Install the front bumper assembly.
3. Connect the negative (-) battery terminal.

## REPLACEMENT

### Bulb (high/low)

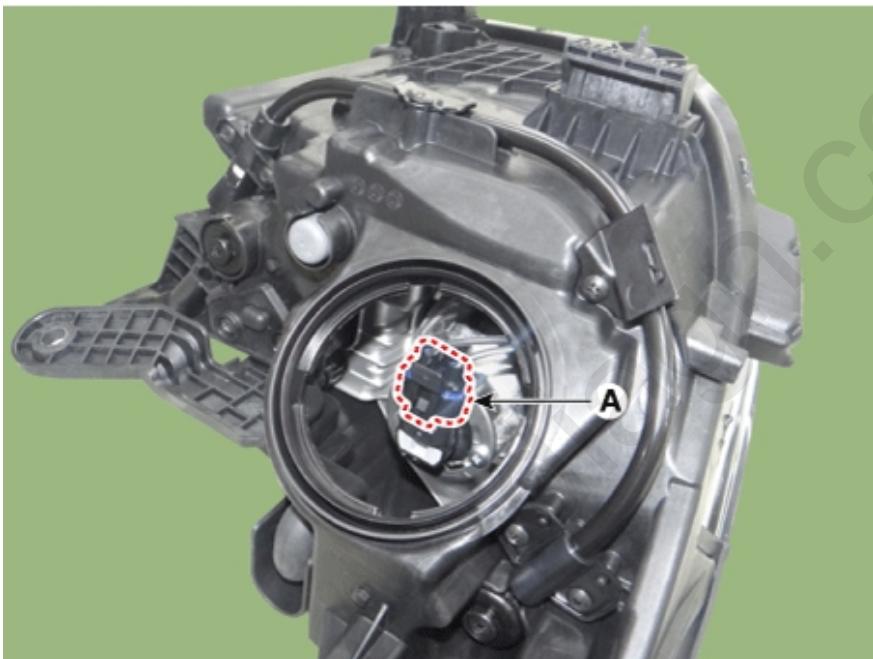
1. Turn the headlamp switch off.
2. Remove the headlamp service cover (A).



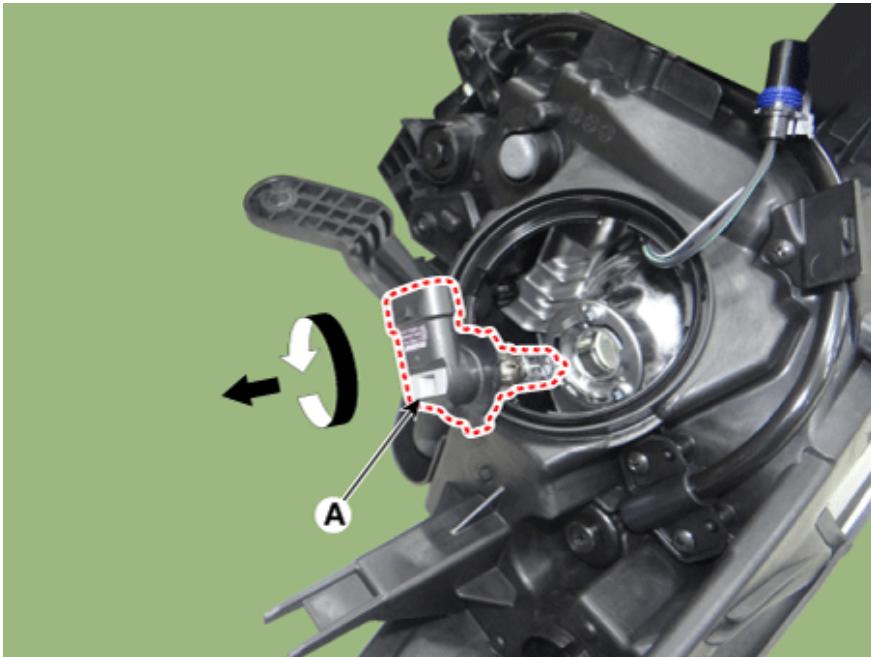
3. Remove the dust caps (A) from the headlamp assembly after turning in the counterclockwise direction.



4. Disconnect the headlamp high/low beam bulb connector.



5. Remove the headlamp high/low beam bulb after removing the socket (A) from the headlamp assembly.



6. Install in the reverse order of removal.

**NOTICE**

- The headlamp bulb should not be removed from the headlamp assembly until just before installing a new bulb.
- Contaminants may enter the headlamp assembly where they can settle on the lens and reflector.
- Never turn on the headlamps with the bulb removed from the headlamp assembly.

## Turn Signal Lamp

1. Turn the headlamp switch off.
2. Remove the headlamp.  
**(Refer to Headlamp - "Removal")**
3. Remove the bulb socket (A) and bulb (B) from the headlamp assembly.



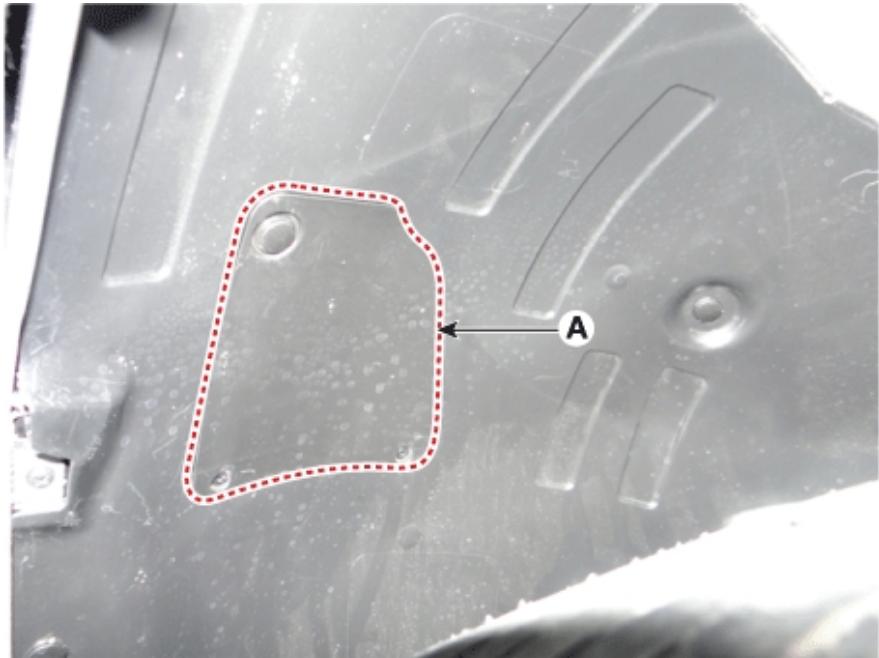
4. Install in the reverse order of removal.

## Moisture absorbent

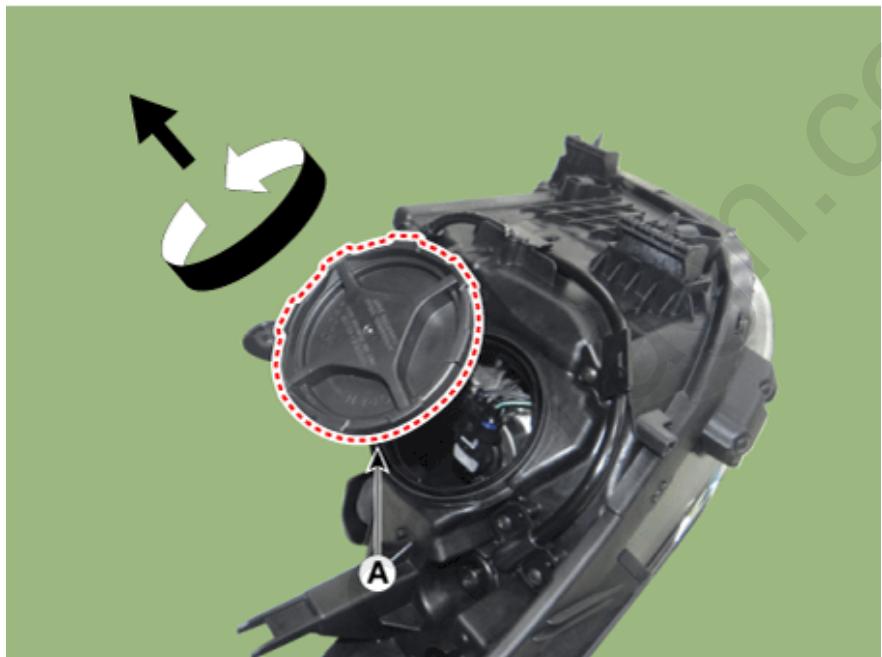
1. Turn the headlamp switch off.

2. Remove the headlamp service cover (A).

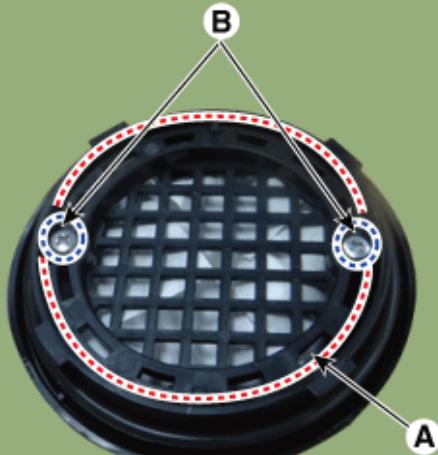
English 



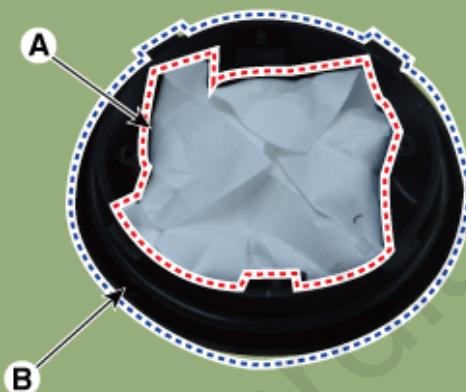
3. Remove the dust caps (A) from the headlamp assembly after turning in the counterclockwise direction.



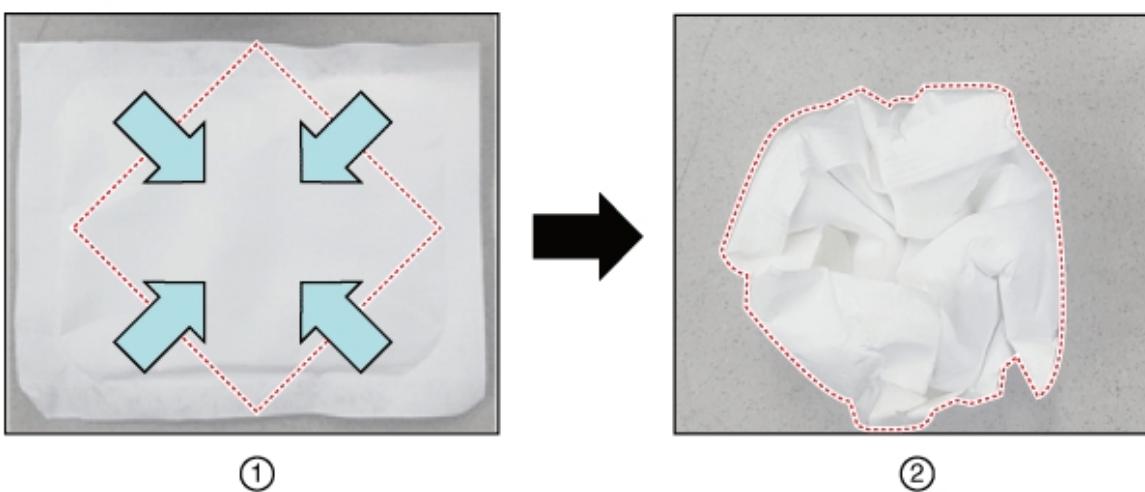
4. Remove the moisture absorbent bracket (A) from the dust cover after loosening the mounting screws (B).



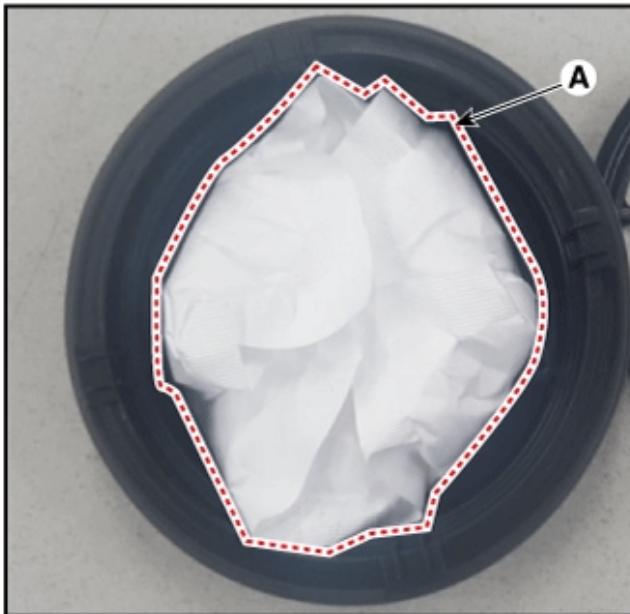
5. Remove the moisture absorbent (A) from the dust cap (B).



6. fold an new absorbent material as the picture below.



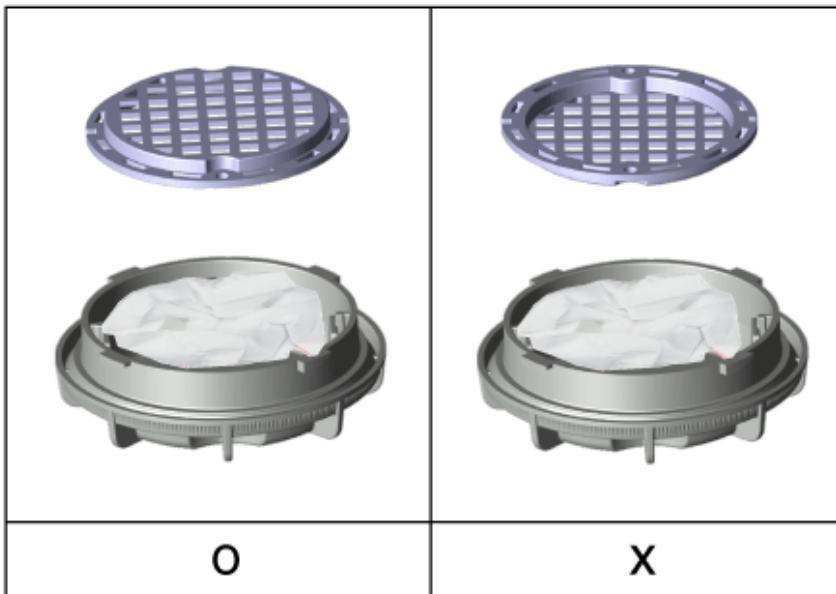
7. Insert the moisture absorbent (A) with the folded sides up.



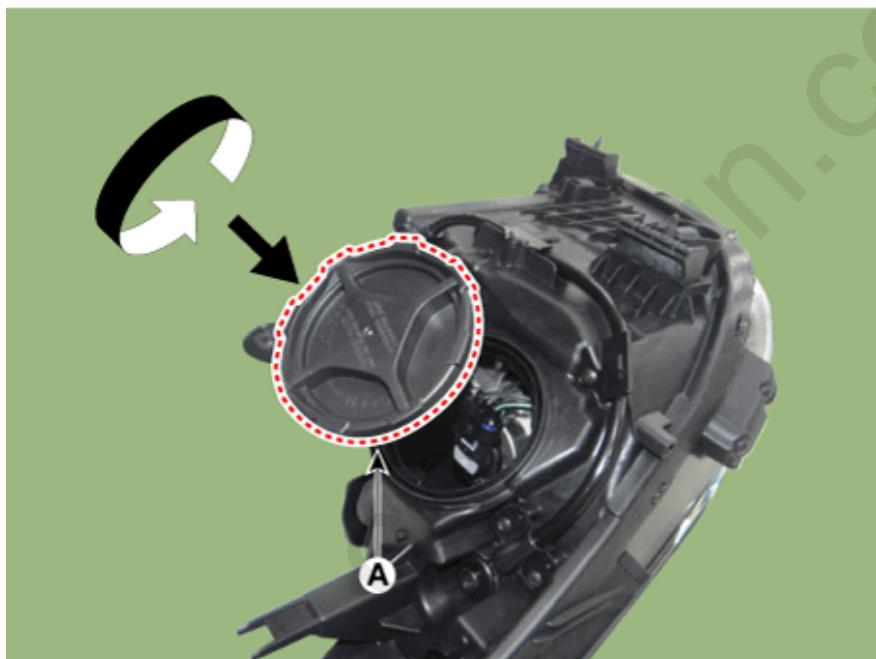
8. Tighten the mounting screws (B), after installing the moisture absorbent bracket (A).

**NOTICE**

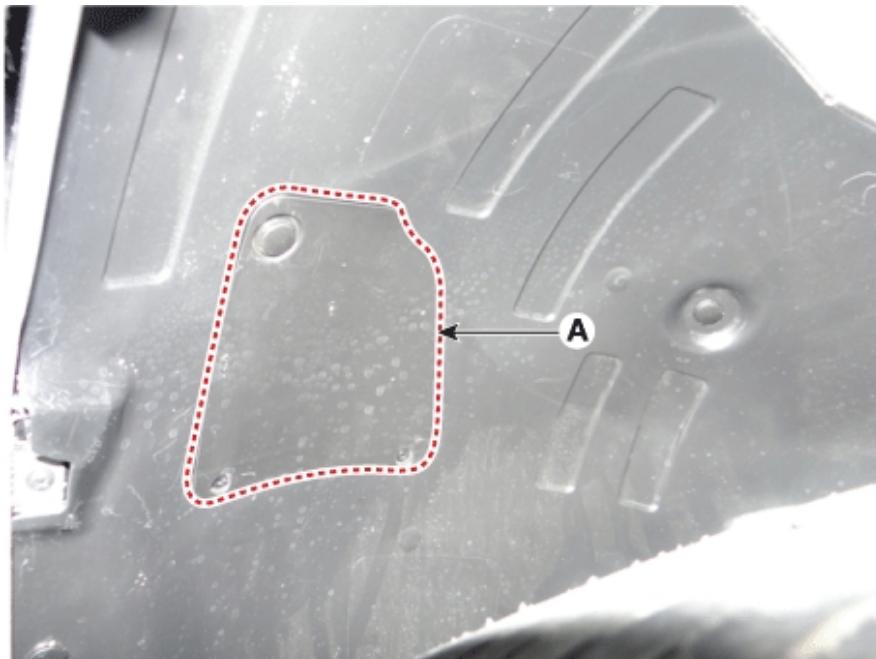
Be careful of the installation direction of the moisture absorbent bracket.



9. Install the dust caps (A) from the headlamp assembly after turning in the clockwise direction.



10. Install the headlamp service cover (A).



## Ballast

1. Remove the headlamp.  
(Refer to Headlamp - "Removal")
2. Remove the ballast (A) after loosening the mounting screws.



3. Disconnect the connectors (A) from the ballast.



4. Install in the reverse order of removal.

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