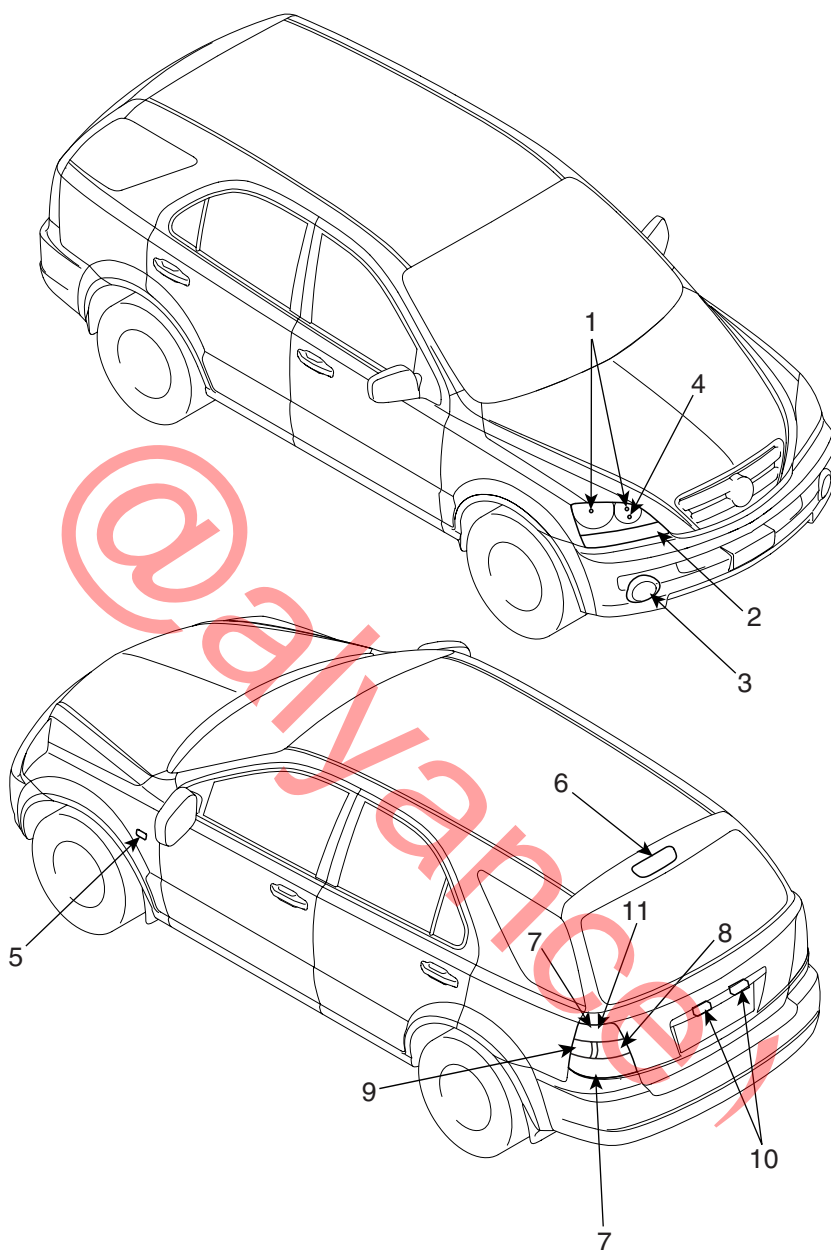


LIGHTING SYSTEM

SPECIFICATION E2383B9A

	Items	Bulb Wattage (W)
FRONT	Head lamp (High)	55
	Head lamp (Low)	55
	Front turn signal lamp	21
	Front position lamp	5
	Front fog lamp	27
REAR	Rear stop/tail lamp (Outside)	21/5
	Back up lamp	16
	Rear turn signal lamp	21
	License plate lamp	5
INTERIOR	Room lamp	10 x 2
	Overhead console lamp	10 x 2
	Luggage lamp	5
	Door courtesy lamp	5

COMPONENT LOCATION E39CF53C



1. Head lamp (Low/High)
2. Front turn signal lamp
3. Front fog lamp
4. Front position lamp
5. Side turn signal lamp

6. High mounted stop lamp
7. Tail lamp
8. Back up lamp
9. Rear turn signal lamp
10. License plate lamp
11. Stop lamp

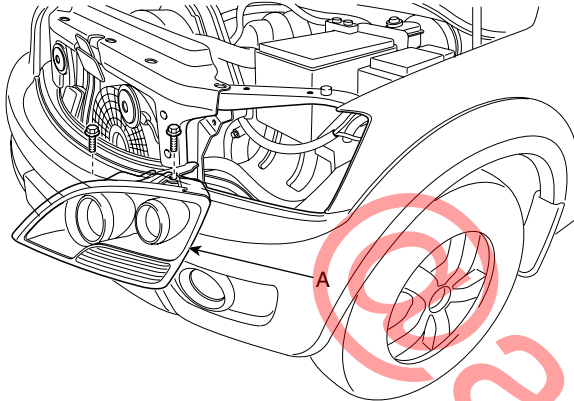
LIGHTING SYSTEM

BE -41

HEAD LAMPS

REMOVAL ECC33CAA

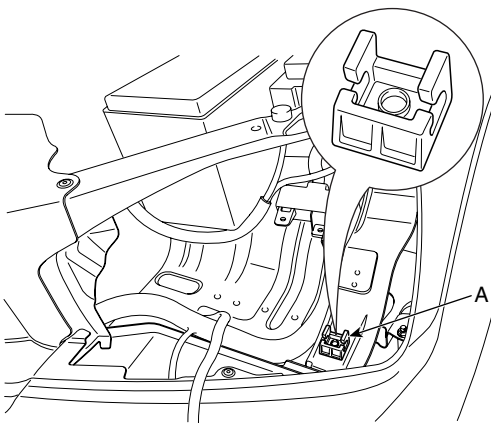
1. Disconnect the negative (-) battery terminal.
2. Loosen the mounting bolts (3EA). And remove the head lamp assembly (A) after disconnecting the lamp connectors.



SBLBE6431D

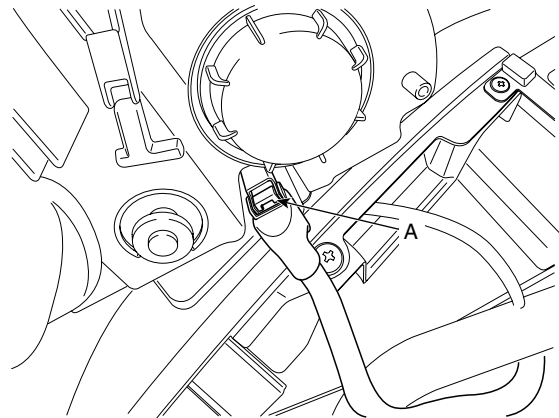
NOTE

Take care that retaining clip (A) is not to be damaged.



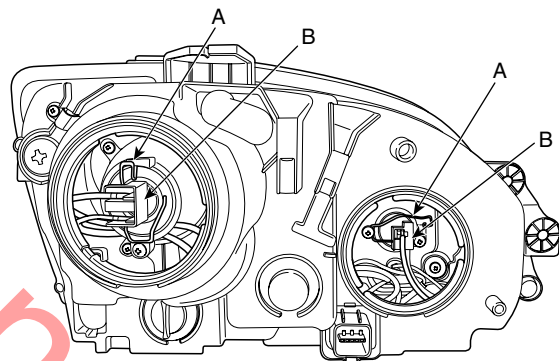
SBLBE6433D

3. Remove the power connector (A) of lamp assembly.



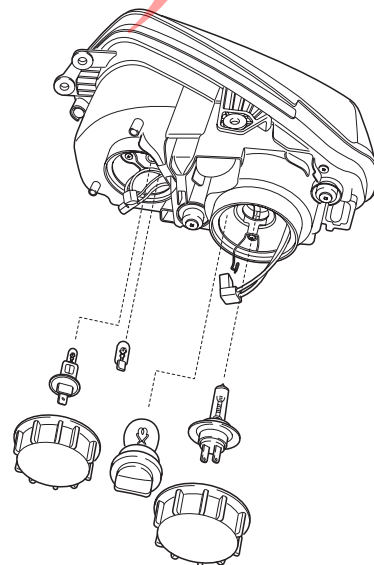
SBLBE6434D

4. Remove the fixing spring (A) and bulb connector (B) after loosening the cover.



SBLBE6435D

5. Remove the head lamp bulb.



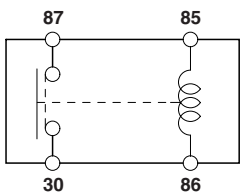
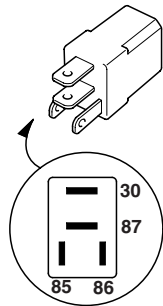
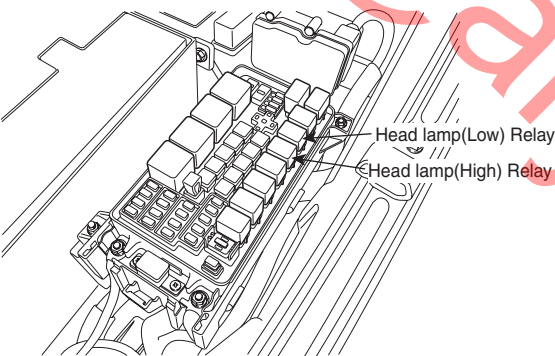
SBLBE6436D

INSTALLATION E89DC42E

- 1. Reassemble the head lamp bulb.
- 2. Connect the bulb connector and fixing spring.
- 3. Connect the power connector to the lamp assembly
- 4. Reassemble the head lamp assembly to retaining clip.

HEAD LAMP RELAY INSPECTION E3B3F2E8

- 1. Check for continuity between the terminals of head lamp relay.
- 2. There should be continuity between the No.86 and No.85 terminals when power and ground are connected to the No.87 and No.30 terminals.
- 3. There should be continuity between the No.87 and No.30 terminals when power is disconnected.



SBLBE6437L

Terminal	30	87	85	86
Power				
Disconnected			○	○
Connected	○	○	-	+

SCMBE6195L

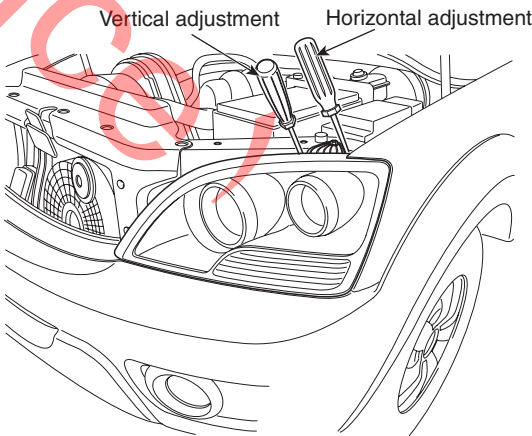
HEAD LAMP AIMING INSTRUCTIONS EABFB216

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

NOTE

If there are any regulations pertinent to the aiming of head lamps in the area where the vehicle is to be used, adjust so as to meet those requirements. Alternately turn the adjusting gear to adjust the head lamp 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 (Vertical lines passing through respective head lamp centers) and a horizontal line (Horizontal line passing through center of head lamps) on the screen
- 4. With the head lamp and battery in normal condition, aim the head lamps so the brightest portion falls on the horizontal and vertical lines. Make vertical and horizontal adjustments to the lower beam using the adjusting wheel.



SBLBE6440L

LIGHTING SYSTEM

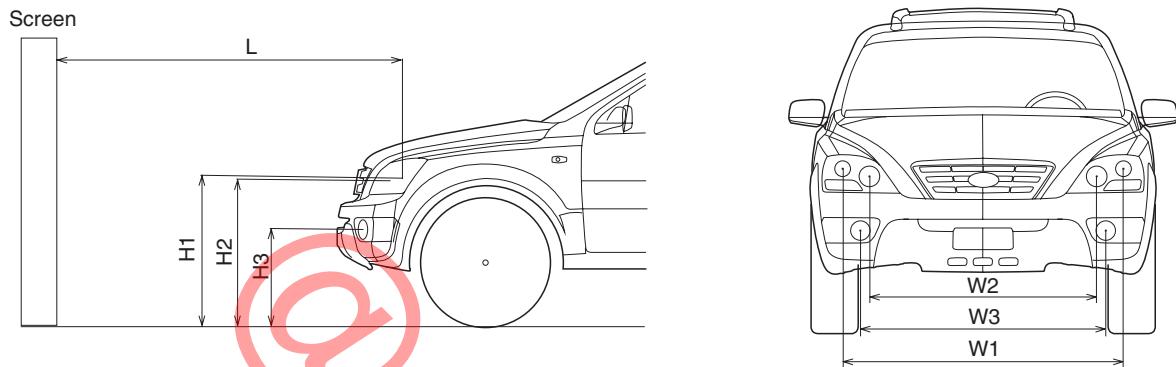
BE -43

FRONT FOG LAMP AIMING

The front fog lamps should be aimed as the same manner of the head lamps aiming.

With the front fog lamps and battery normal condition, aim the front fog lamps by turning the adjusting gear.

HEAD LAMP AND FOG LAMP AIMING POINT



- H1 : Height between the head lamp bulb center and ground (Low beam)
 H2 : Height between the head lamp bulb center and ground (High beam)
 H3 : Height between the fog lamp bulb center and ground
 W1 : Distance between the two head lamp bulbs centers (Low beam)
 W2 : Distance between the two head lamp bulbs centers (High beam)
 W3 : Distance between the two fog lamp bulbs centers
 L : Distance between the head lamp bulb center and screen

SBLBE6443L

Unit : mm

Vehicle condition	H1	H2	H3	W1	W2	W3	L
Without driver	891	849	546	1,490	1,207	1,310	3,000
With driver	876	834	531				

SBLBE6444L

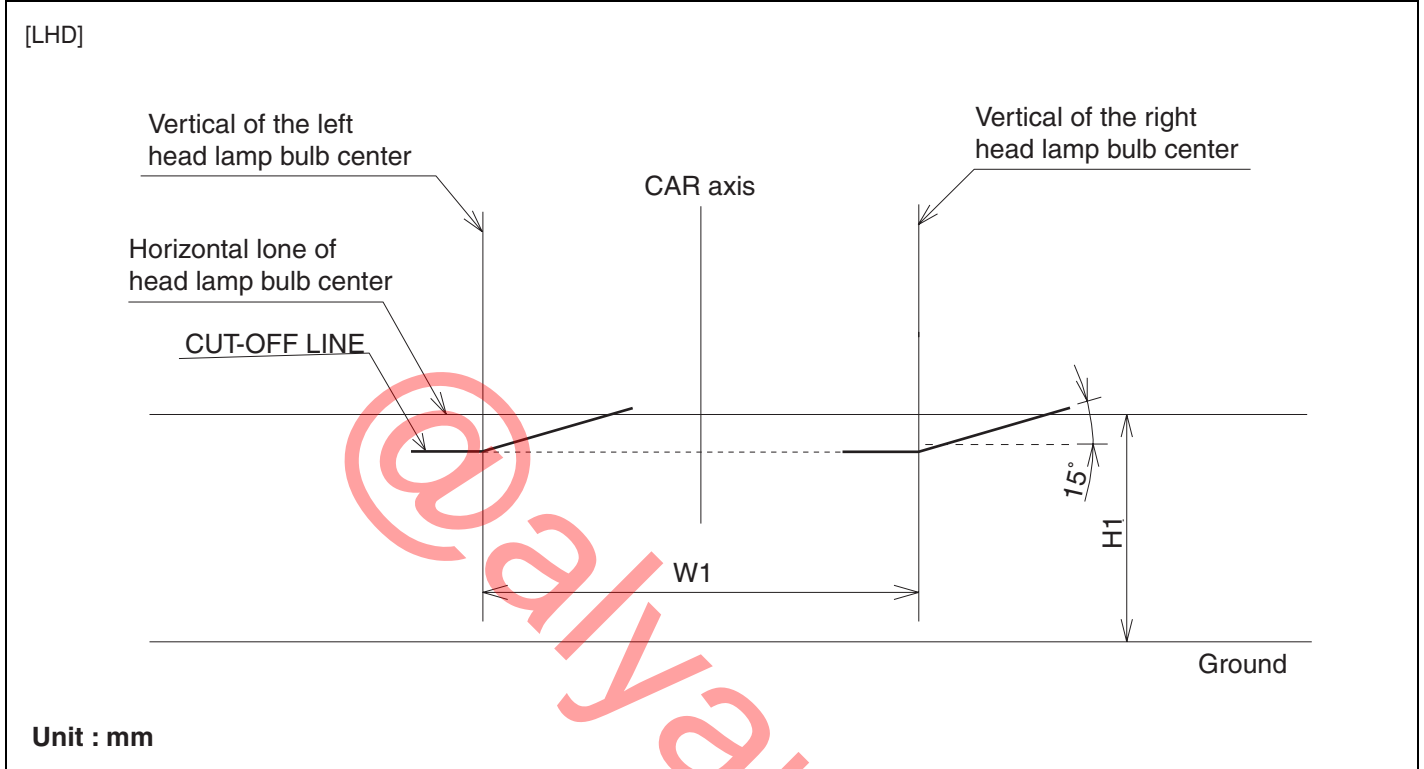
BE -44

BODY ELECTRICAL SYSTEM

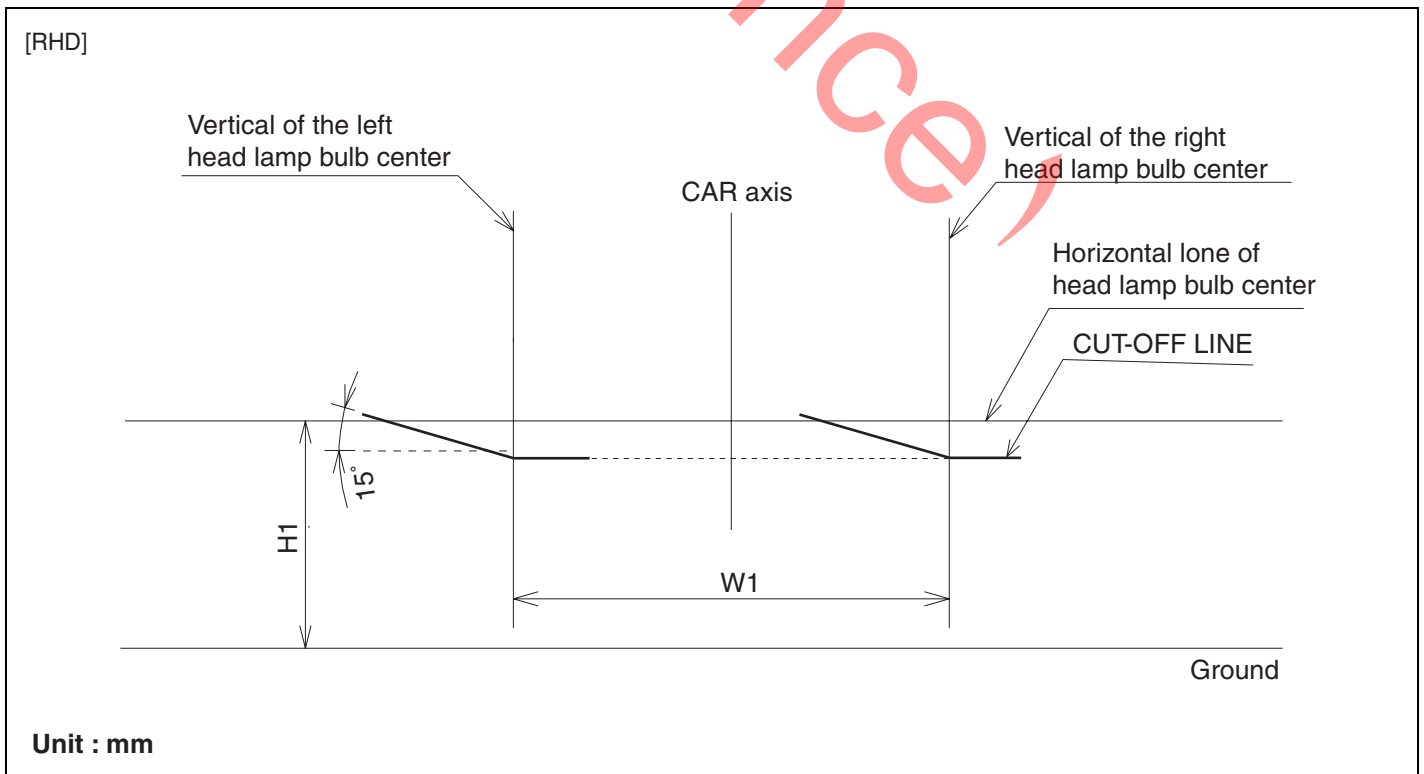
1. Turn the low beam on without the driver aboard.
The cut-off line should be projected in the allowable range (shaded region).
In case of equipping with the manual leveling device, set the leveling device switch on the "O" position.

In case of equipping with the auto leveling device, set the initialization by using the diagnostic tool before aiming.

* In case of high beam, head lamp do not need aiming with proper beam-setting equipment.



SBLBE6445L

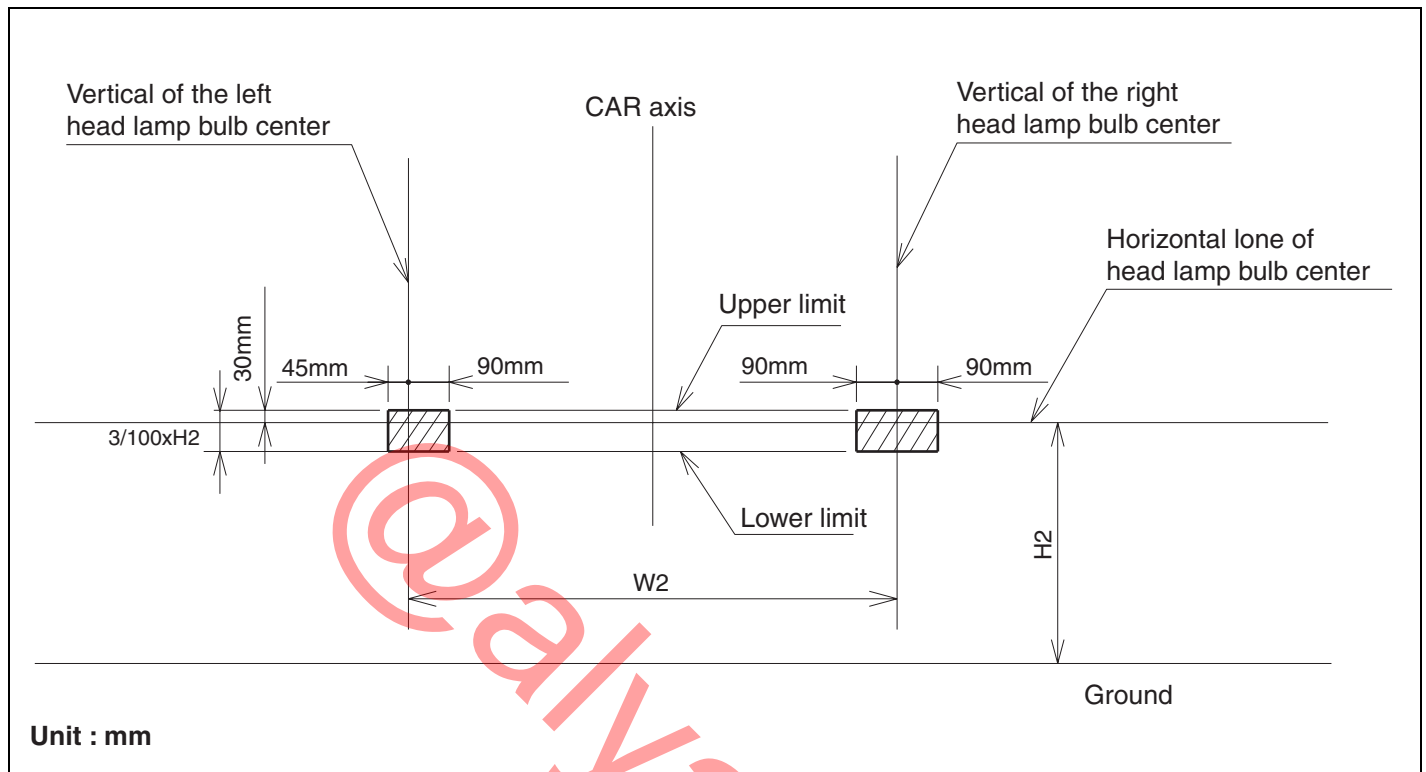


SBLBE6448L

LIGHTING SYSTEM

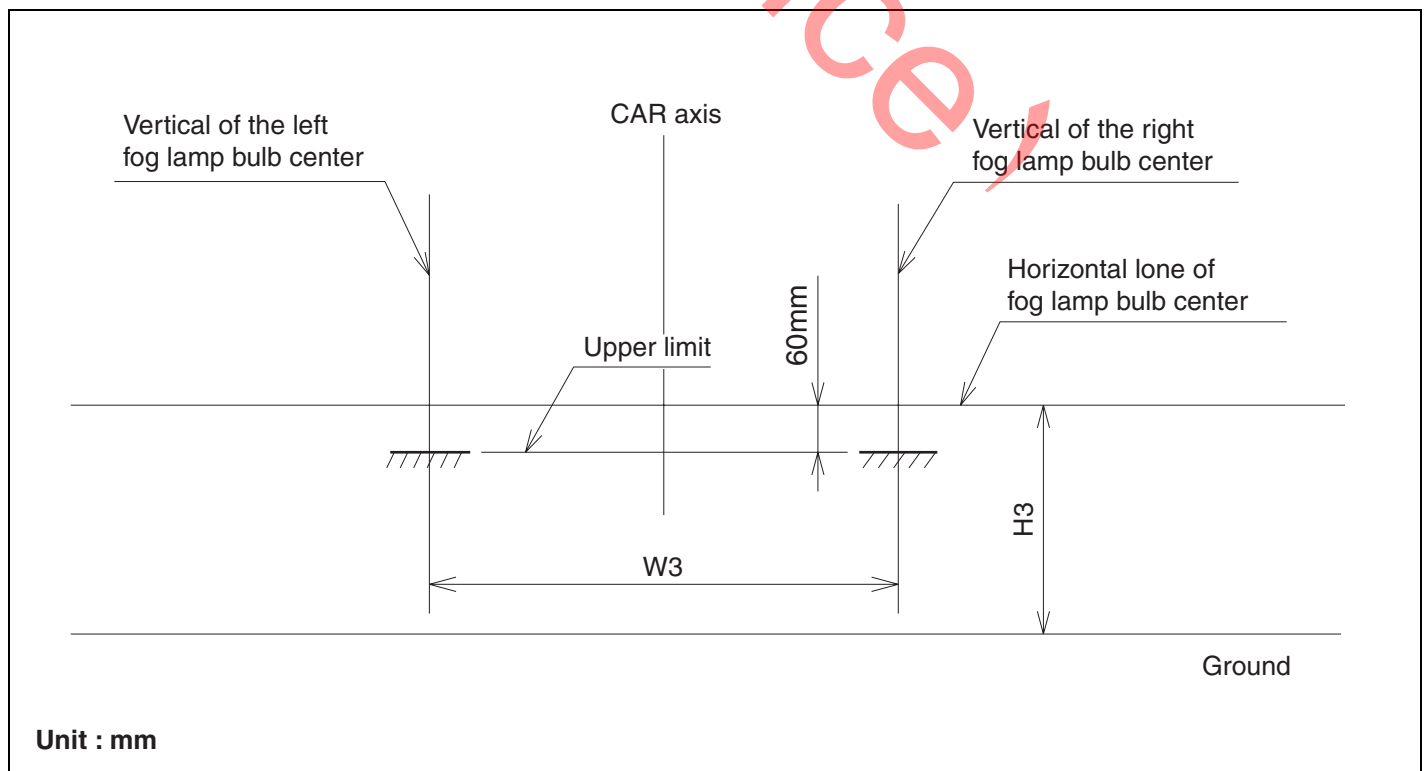
BE -45

2. Turn the high beam on without the driver aboard.
The cut-off line should be projected in the allowable range (shaded region).



SBLBE6446L

3. Turn the front fog lamp on without the driver aboard.
The cut-off line should be projected in the allowable range (shaded region)



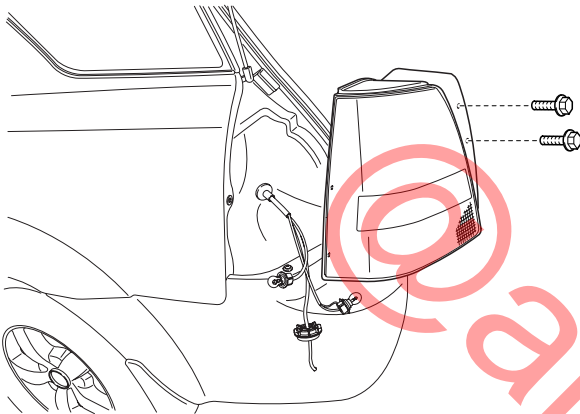
SBLBE6447L

TURN SIGNAL LAMP

REMOVAL E0B60439

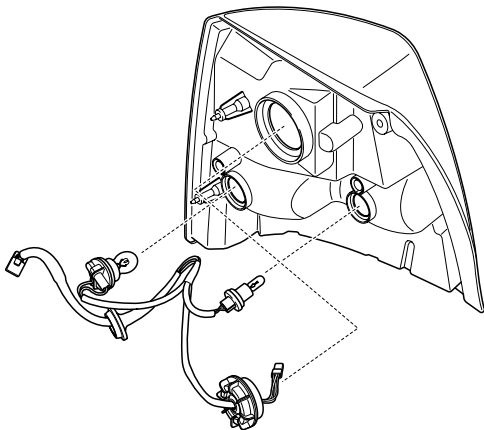
REAR LAMP

1. Disconnect the negative (-) battery terminal.
2. Loosen the 2 screws holding the rear combination lamp then disconnect the connector. And then remove the outside rear combination lamp assembly.



SBLBE6449D

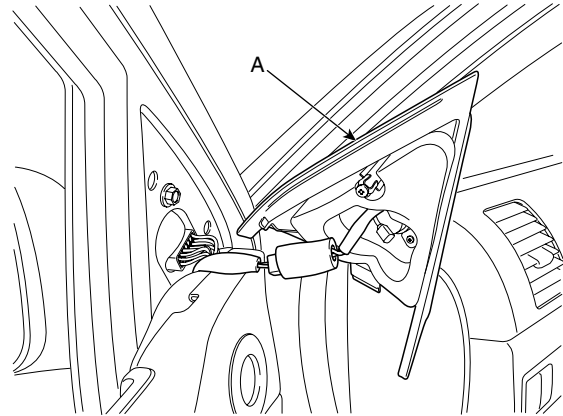
3. Remove the bulbs from the rear combination lamp assembly.



SBLBE6450D

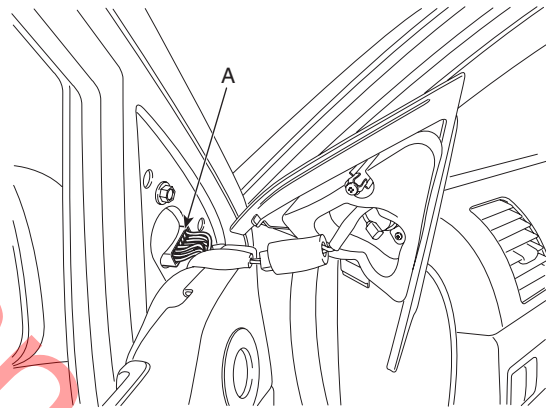
TURN SIGNAL LAMP(DOOR MIRROR)

1. Disconnect the negative (-) battery terminal.
2. Remove the tweeter speaker cover (A). (Refer to the Front Door in BD Group)



SBLBE6451D

3. Disconnect the door mirror connector (A).



SBLBE6452D

4. Loosen the 3 bolts then remove the door mirror.

CAUTION

Turn signal lamp of door mirror is used LED (Light-emitting Diode).

INSTALLATION E724B155

REAR LAMP

1. Connect the bulbs to the rear combination lamp assembly.
2. Connect the rear combination lamp connector.
3. Reassemble the rear combination lamp assembly.

TURN SIGNAL LAMP(DOOR MIRROR)

1. Reassemble the door mirror to the door.
2. Connect the door mirror connector.
3. Reassemble the tweeter speaker.