

GROUP 54

CHASSIS ELECTRICAL

GENERAL

OUTLINE OF CHANGES

- Because of adoption of projector type fog lamps, the service procedures have been changed.
- The service procedure for the back-up lamps has been changed.

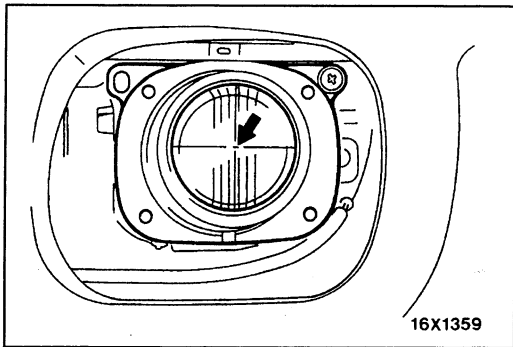
FRONT FOG LAMP

SERVICE SPECIFICATIONS

Items		Standard value
Front fog lamp aiming	Vertical direction	100 mm below horizontal (H)
	Horizontal direction	Parallel to direction of vehicle travel

SPECIAL TOOL

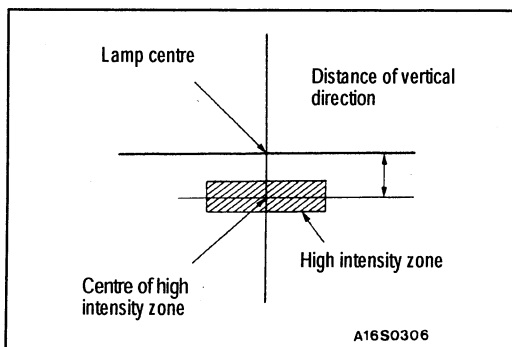
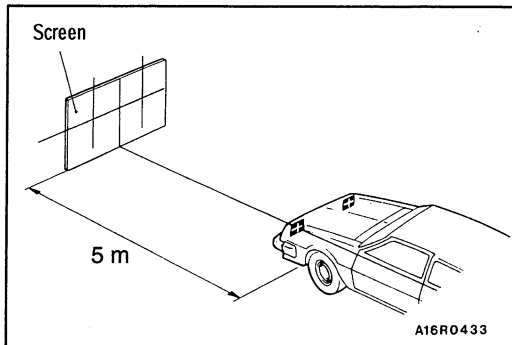
Tool	Number	Name	Use
	MB990784	Ornament remover	Removal of instrument panel switch



ON-VEHICLE SERVICE

FRONT FOG LAMP AIMING

1. Measure the centre of the fog lamps, as shown in the illustration.
2. Set the distance between the screen and the centre of the fog lamps as shown in the illustration.
3. Inflate the tyres to the specified pressures and there should be no other load in the vehicles other than driver or substituted weight of approximately 75 kg placed in the driver's position.
4. With the engine running at 2,000 r/min, aim the fog lamp.



5. Check if the beam shining onto the screen is at the standard value.

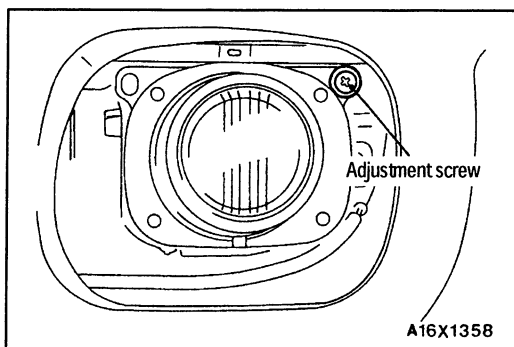
Standard value:

(Vertical direction)

100 mm below horizontal (H)

(Horizontal direction)

Parallel to direction of vehicle travel



NOTE

The horizontal direction is non-adjustable. If the deviation of the lamp beam axis exceeds the standard value, check to be sure that the mounting location or some other point is not defective.

Caution

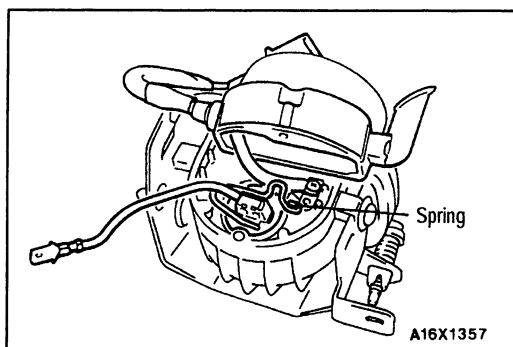
When making the aiming adjustment, be sure to mask those lamps which are not being adjusted.

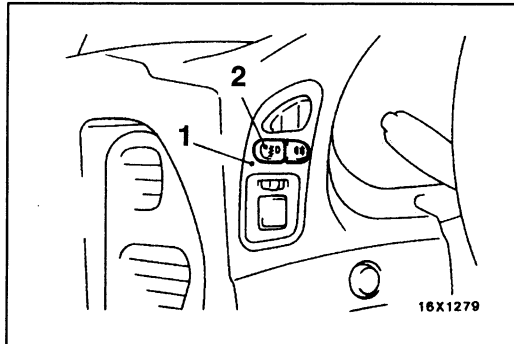
BULB REPLACEMENT

- (1) Remove the fog lamp.
- (2) Remove the bulb attaching spring and pull out the bulb.

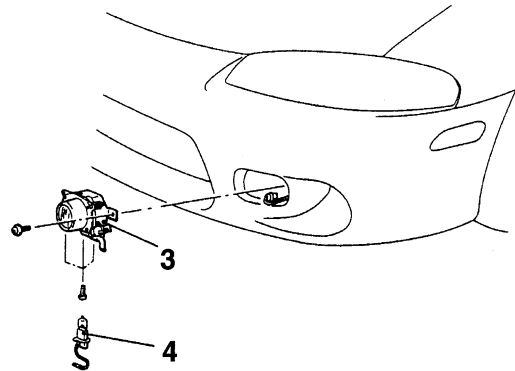
Caution

Do not touch the surface of the bulb with hands or dirty gloves. If the surface does become dirty, clean it with alcohol or thinner, and let it dry thoroughly before installing.



FRONT FOG LAMP**REMOVAL AND INSTALLATION****Front fog lamp switch removal steps**

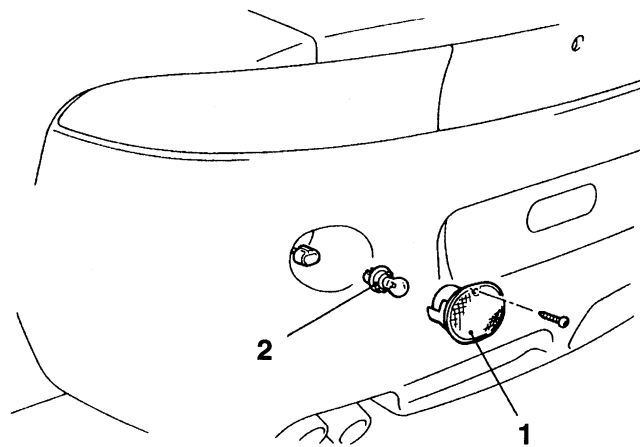
1. Instrument panel switch
2. Front fog lamp switch

**Front fog lamp removal steps**

3. Front fog lamp
4. Bulb

INSPECTION

Refer to Basic Manual.

BACK-UP LAMP**REMOVAL AND INSTALLATION****Removal steps**

1. Back-up lamp
2. Bulb