

GENUINE FRONT FOG LAMP KIT

INSTALLATION AND USER'S INSTRUCTIONS

Thank you for purchasing a Genuine Mazda Accessory.

Before removal and installation, please thoroughly read these instructions.

For your safety, please read the contents of this booklet to properly install and use the front fog lamp kit.

Keep these instructions with your vehicle records for future reference.



- There are several **⚠ WARNING** and **⚠ CAUTION** sections in this booklet concerning safety when installing or removing the front fog lamp kit. Always read and follow the instructions in order to prevent injuries, accidents, and possible damage to the vehicle.

⚠ WARNING: Indicates a situation in which serious injury or death could result if the warning is ignored.

⚠ CAUTION: Indicates a situation in which bodily injury or damage to the vehicle could result if the caution is ignored.

- For areas indicating the tightening torque in this instruction manual, tighten to the specified torque by using a torque wrench. For areas in which the tightening torque is indicated inside parentheses (), the tightening torque is indicated as a reference value, however tightening using a torque wrench is not necessary
- Do not modify the front fog lamp kit.
- Do not install the front fog lamp kit in any way other than described in the following instructions.
- If in doubt, please contact your Mazda dealer to install the accessory in order to prevent errors in installation.
- If you have any questions about the use of the accessory, ask your Mazda dealer for proper advice before using it.
- Mazda and its suppliers are not responsible for injuries, accidents, and damage to persons and property that arise from the failure of the dealer or installer to follow these instructions.
- To ensure safety and reliability of the work, installation, removal and disposal work must be carried out by an Authorized Mazda Dealership.
- Be careful not to lose removed parts and be sure that they are kept free of dirt, scratches or damage.

PART NAME:	FRONT FOG LAMP KIT
PART NUMBER:	BALW V4 600
VEHICLE:	MAZDA3

NOTE

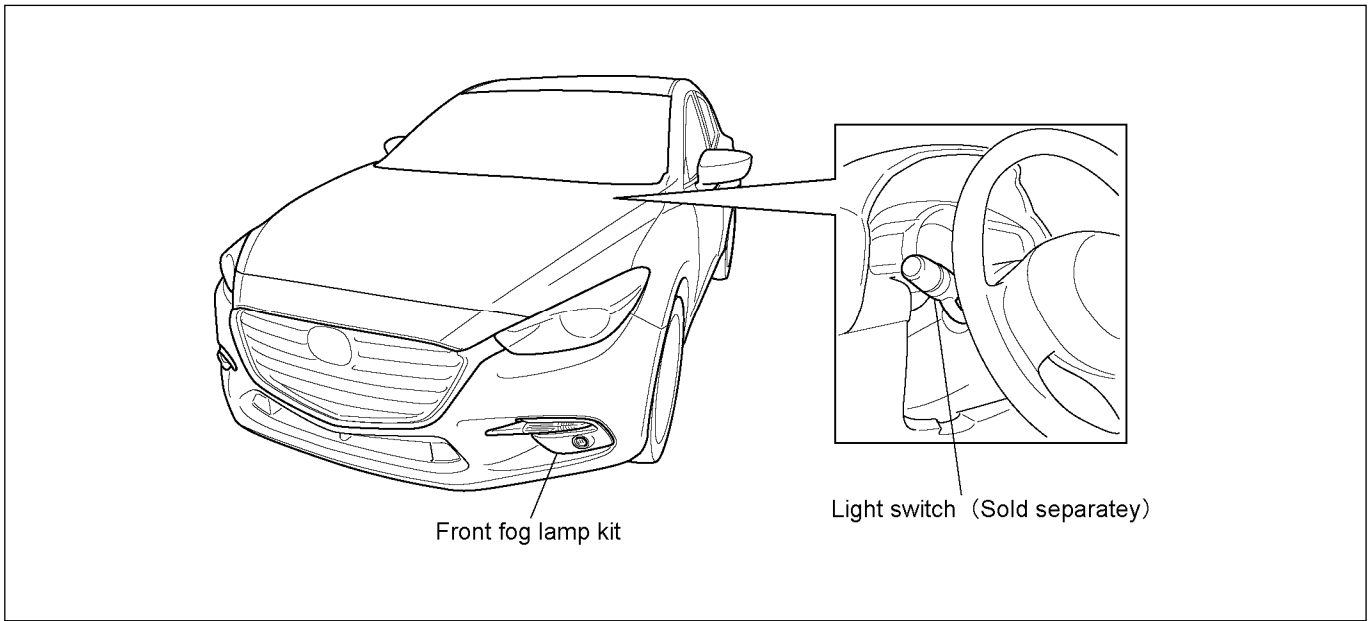
To the dealer

- Please turn over these instructions to the customer after installation.

To the customer





- Keep these instructions after installation. The instructions may be necessary for installing other optional parts or removal of this accessory.
- Should the vehicle or this accessory be resold, Always transfer these instructions to the next owner.

1. INSTALLATION VIEW

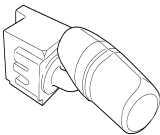


2. PARTS

- Before installation, verify that the kit includes all the following parts and that they are free of dirt, scratches, or damage.

Part	Part name	Qty	Part	Part name	Qty	Part	Part name	Qty
	Fog lamp (RH, LH)	Each 1		Lamp hole cover A (RH, LH)	Each 1		Lamp hole cover B (RH, LH)	Each 1
	Tapping screw	8						

【Sold separately】

Part	Part name	Qty
	Light switch assy	1

3. BEFORE INSTALLATION

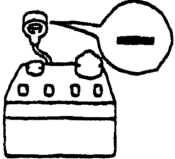

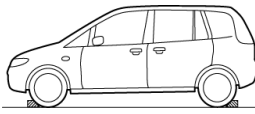

REQUIRED TOOLS

☆Screwdriver (Phillips)

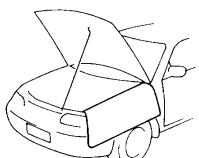
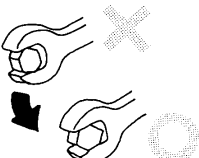
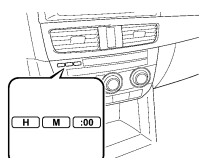
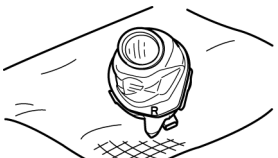
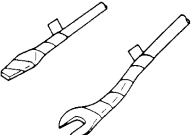
☆Torque wrench

☆Ratchet wrench (10mm)

⚠ WARNING

<p>When the negative battery cable is connected during operation, it may cause electric shock or other injuries. Disconnect the negative battery cable before removal/installation.</p>	<p>Do not pull wiring harnesses with excessive force. Doing so can cause breakage or a short circuit-related accident, as well as an electrical short or fire.</p>	<p>Park the vehicle on a flat, level surface, set the selector lever to P (AT vehicles) or the shift lever to 1st or R (MT vehicles), apply the parking brake and block the wheels so that the vehicle does not move during installation.</p>	<p>When connecting/disconnecting connectors, grasp the connectors, not the wires. Otherwise a short, an accident from poor contact or fire may occur.</p>
			

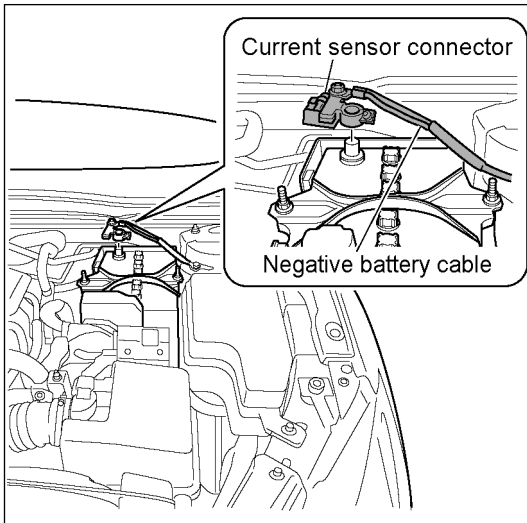
⚠ CAUTION

<p>Be sure to cover the vehicle body with protectors or mats to prevent stains, scratches and damage when removing/installing the vehicle parts</p>	<p>Using improper tools may cause damage and or broken parts. Use the correct tool for the installation.</p>	<p>When the negative battery cable is disconnected from the battery, the clock, radio, trip meters and other memories will be erased. Before performing work, record the content of the memory.</p>	<p>Put the removed parts and the parts in the kit on the protective sheet to prevent scratches.</p>
			
<p>Wrap protective tape around screwdrivers and fastener remover tools to prevent scratching the vehicle.</p>			
			

Advice

<p>Refer to the Workshop Manual for removal and installation of vehicle parts. Not following the procedures for removal/installation in the Workshop Manual could result in an accident or vehicle malfunction.</p>


4. VEHICLE PART REMOVAL



Negative battery cable disconnection

1. Move the selector lever to the "P" range. (AT vehicles only)

⚠ WARNING

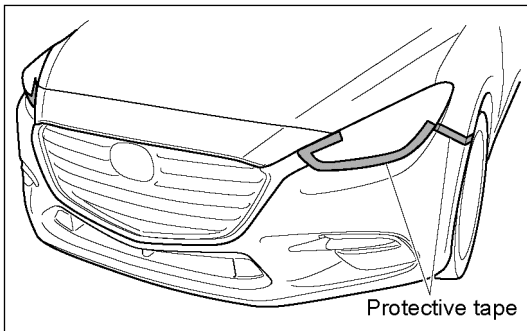
- Take care while working to avoid damage to components, electric shocks or injury as a result of electrical short-circuits.
- Check that all vehicle functions are restored, while referring to "Required servicing after disconnecting/connecting negative battery cable" in the vehicle workshop manual and also to the owner's manual.

2. Disconnect the negative battery cable, and then wrap the negative terminal of the battery with tape or similar to insulate it.

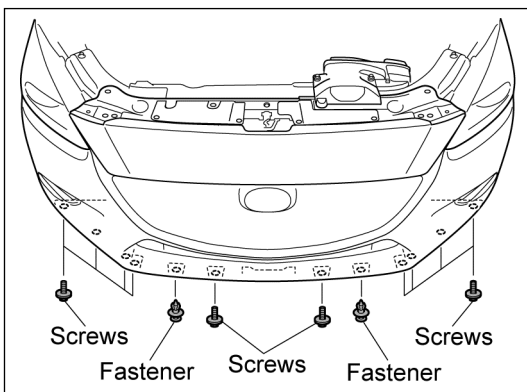
3. Disconnect the current sensor connector.

Front bumper removal

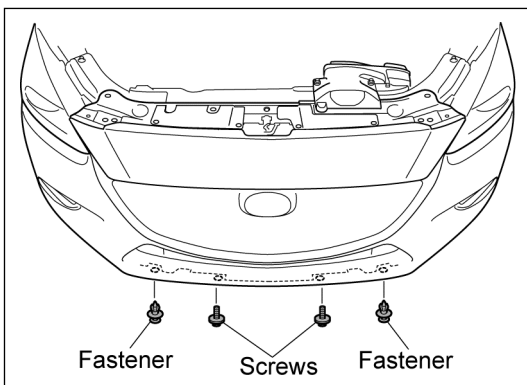
1. To prevent damage to the vehicle body, attach protective tape to the left and right fender and around the headlamps. (Shaded area in the illustration at right)

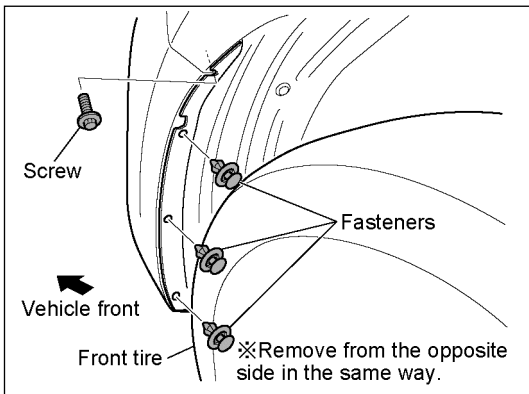


2. Remove the screws (10 places) and fasteners (2 places) around the bottom of the bumper.

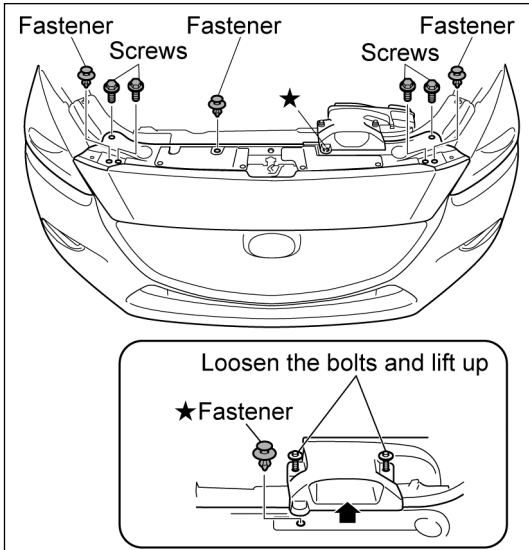


3. Pull out the front under cover, and then remove the screws (2 places) and the fasteners (2 places).

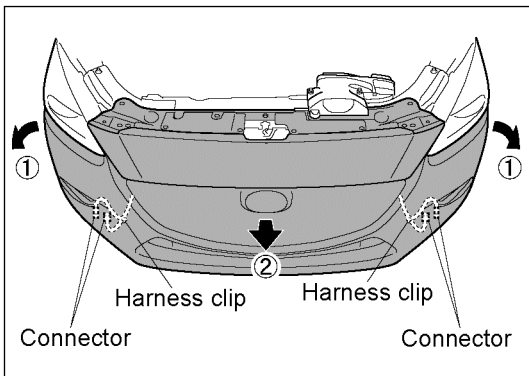




4. Remove the fasteners (3 places) and screw (1 place) from the mudguard at the side of the bumper.



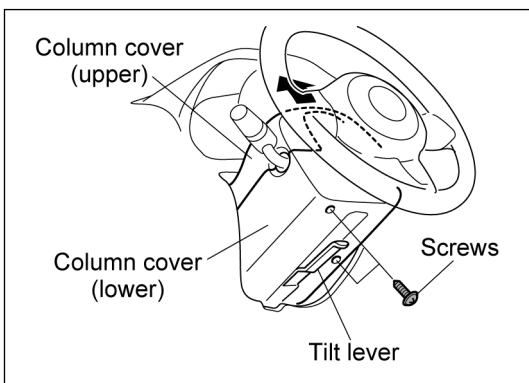
5. Remove the fasteners (4 places) and screw (4 place) from the top of the bumper.



6. Pull the front bumper in the direction of ① to disengage it from the tabs of the bumper retainers.
 7. Pull the front bumper in the direction of ② to remove it from the vehicle.

- When removing the front bumper, do not pull it too strongly. The fog lamp connector, turn indicator connector and harness clips are connected to it.

8. Disconnect the fog lamp connector (1 place) and the turn indicator connector (1 place).

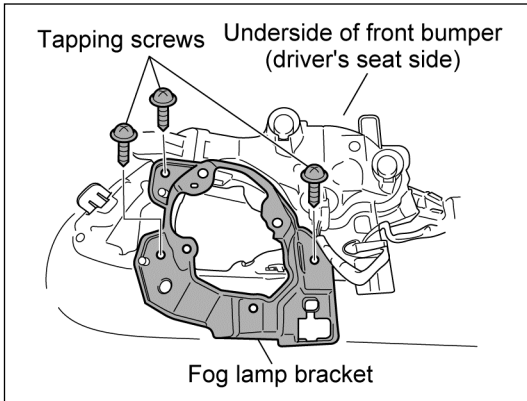


Column cover removal

1. Lower the tilt lever to unlock the steering column.
 2. Pull the column cover (upper) upward to disengage it from the column cover (lower).
 3. Remove the screws (2 places) which are securing the column cover (lower).

5. INSTALLATION OF THE FOG LAMP KIT

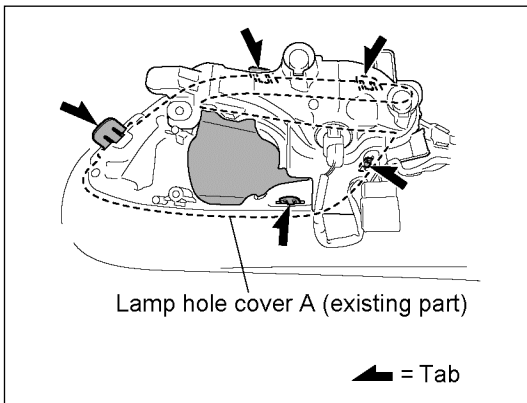
Fog lamp installation



- Perform the same procedure on the opposite side.

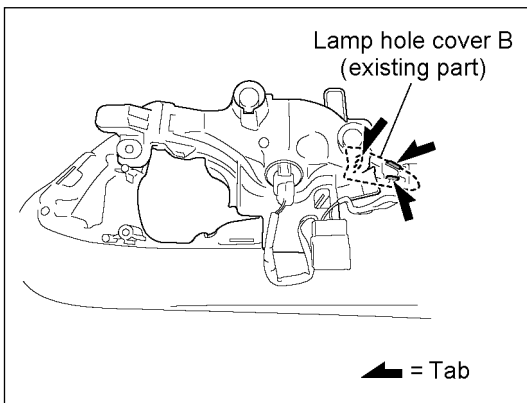
1. Remove the tapping screws (3 places) from the fog lamp bracket on the front bumper, and then remove the fog lamp bracket.

- The removed fog lamp bracket will be reused. (Step 5. on page 6, step 6. on page 7)
- The removed tapping screws will be reused. (Step 6. on page 7)



2. Disengage the tabs (5 places) from lamp hole cover A (existing part), and then remove lamp hole cover A (existing part).

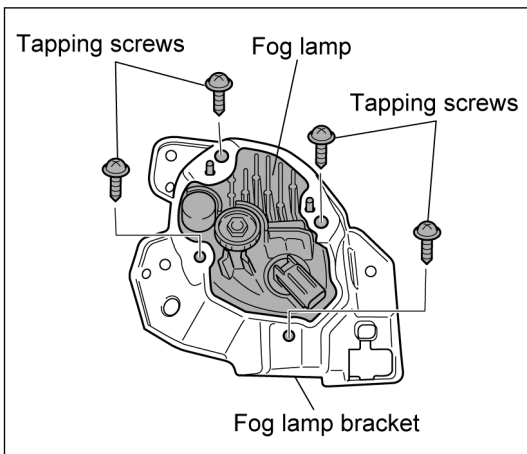
- The removed lamp hole cover A (existing part) will not be reused.



3. Disengage the tabs (3 places) from lamp hole cover B (existing part), and then remove lamp hole cover B (existing part).

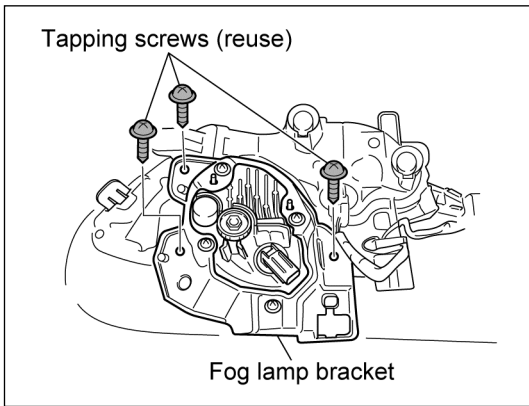
- The removed lamp hole cover B (existing part) will not be reused.

4. Install the new lamp hole covers A and B by following the removal procedures for the lamp hole covers A and B (existing parts) in reverse.



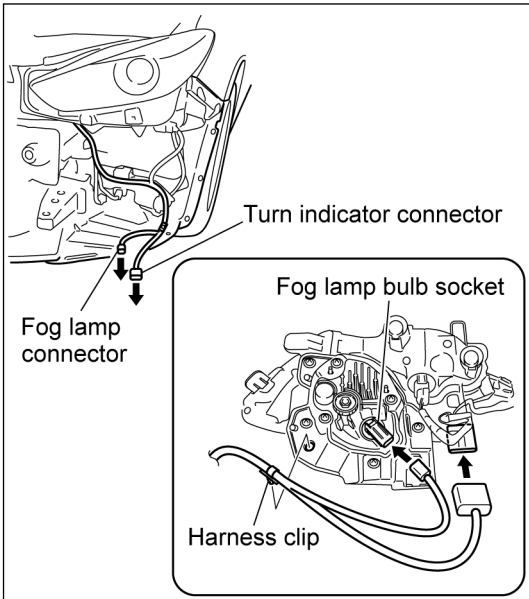
5. Install the fog lamp to the fog lamp bracket with the tapping screws (4 places).

Tapping screw tightening torque: (1.0-3.4 N·m)

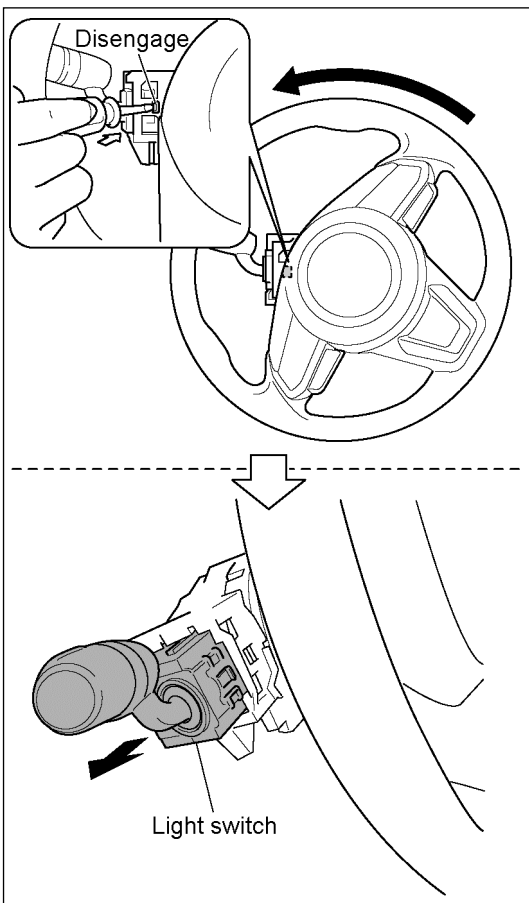


6. Install the fog lamp bracket with the fog lamp attached by following the removal procedure in reverse.

Tapping screw tightening torque: (0.3-1.5 N·m)



7. Connect the vehicle-side fog lamp connector to the fog lamp bulb socket.
8. Connect the turn indicator connector to the socket.
9. Install the front bumper by following the removal procedure in reverse.



Light switch installation

1. Turn the steering wheel (refer to the illustration at left) to disengage the hook of the light switch.
2. Remove the light switch by pulling it in the direction of the arrow.

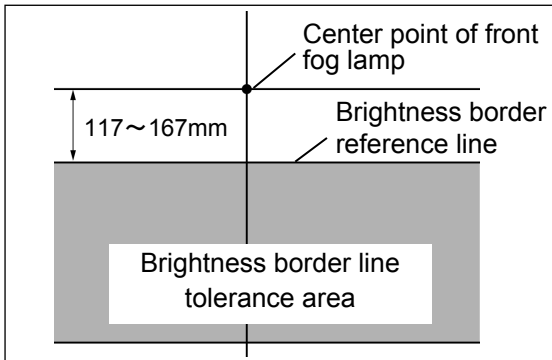
- The removed light switch will not be reused.

3. Install the new light switch by following the procedure for removing the existing light switch in reverse.

Column cover installation

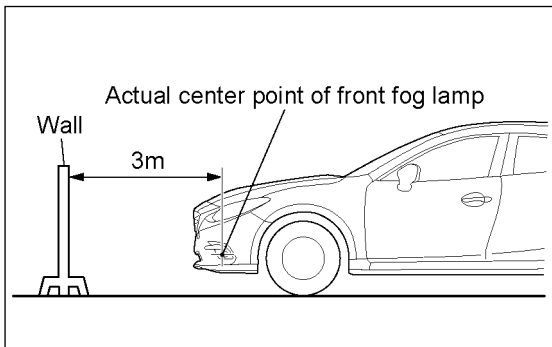
1. Install the column covers by following the removal procedures in reverse.

6. FOG LAMP AIMING

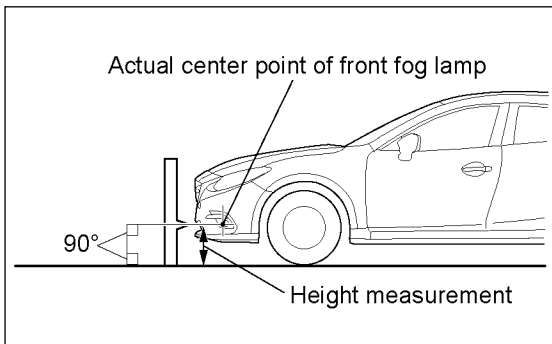


Front fog lamp aiming adjustment

1. Empty the vehicle except for the spare tire, jack and vehicle tools so that the vehicle is at the standard equipped weight.
2. Adjust the tire pressure to the specification.
3. Move the vehicle to level ground.
4. The driver must sit inside the vehicle.
5. Make an adjustment screen as shown in the figure using a thick piece of white paper. (Common to both left and right)



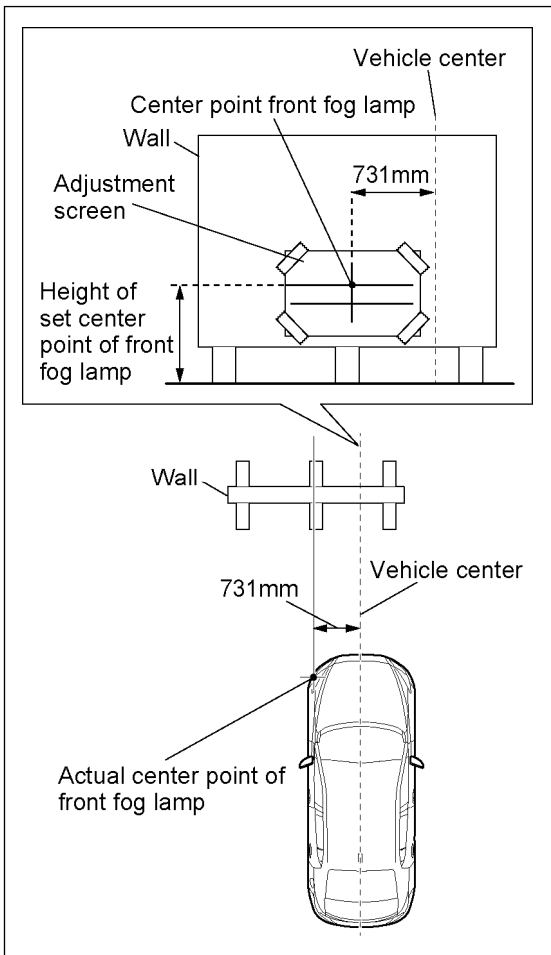
6. Line up the vehicle and the wall so that they are perpendicular, and so that the distance between the front fog lamps and the wall is 3 m.



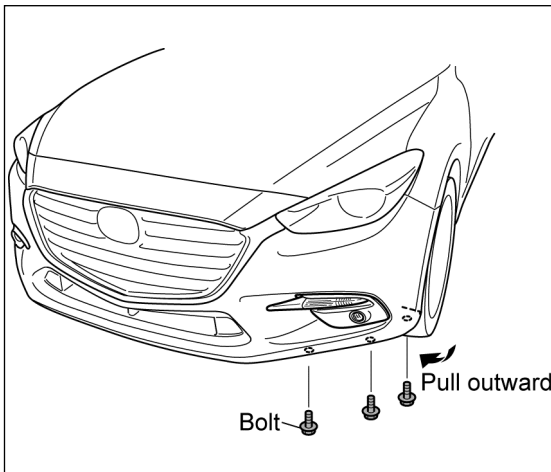
7. Measure the height at the center point of the front fog lamp.

NOTE

- Because the vehicle height differs depending on vehicle conditions, measure the actual height of the center point of the front fog lamp for which the aiming is being adjusted.

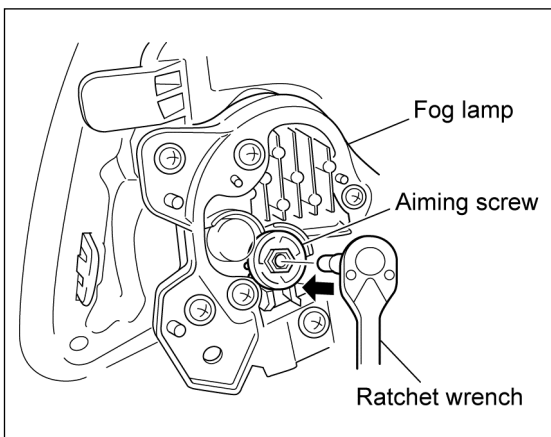


8. Align the center point of the front fog lamp which is being adjusted with the center point of the adjustment screen.
9. Set a partition or similar in front of the front fog lamp which is not being adjusted to block the light.
10. Start the engine and charge the battery.
11. Turn on the front fog lamps.
12. Verify that the actual brightness border line is in the brightness border line tolerance area indicated on the adjustment screen.

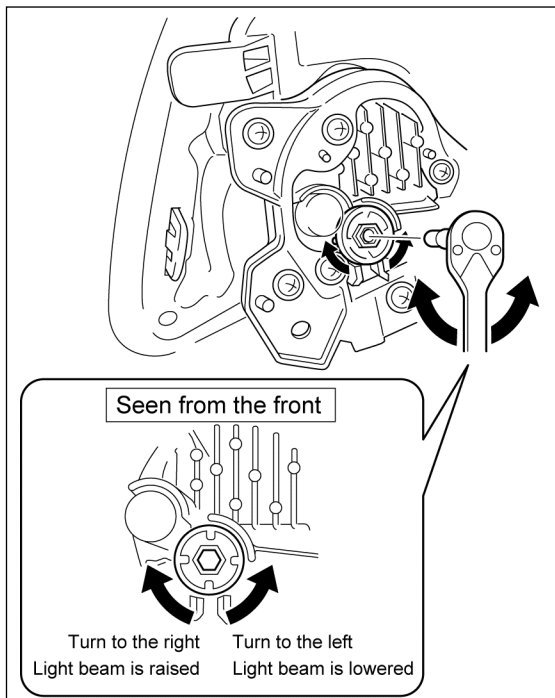


13. If the brightness border line in step 12 is not in the brightness border line tolerance area indicated on the adjustment screen, carry out the following adjustment.

- ① Remove the three fasteners for the undercover underneath the front bumper, and then pull the undercover outward.



- ② Insert a ratchet wrench upward into the aiming screw at the back of the front fog lamp.



- ③ When the ratchet wrench is turned in the direction of the arrow, the aiming screw turns and the optical axis can be adjusted. Adjust so that the brightness border line is aligned with the brightness border reference line.
- ④ Return the undercover to its original position, and then install the fasteners (3 places).

7. OPERATION CHECK

Connect the current sensor connector.
Connect the negative battery cable.

Nut tightening torque : 4.0—6.0 N·m

- If the battery would be disconnected, some functions will no longer operate. See the vehicle workshop manual or owner's manual, and perform "Servicing after re-connecting the negative battery cable"
- Turn the ignition switch to ON and check the operation of the fog lamps.

Fog lamp operation check

1. Turn the headlight switch to position, and check if the position (parking) lights are on.
2. Turn the headlight switch to position, and check if the headlights are on.
3. Push the lighting control lever forward, and check if the high beam headlights are on.
Pull the lighting control lever back to original position, and check if the high beam headlights are off.
Check if the headlight high beam indicator light in the instrument cluster illuminates when the high beam headlights are on.
4. Move the turn signal lever down/up, and check if the each turn signals flash.
Check if the turn signal indicator lights flash during the turn signal lever is down/up position.
5. Set the lighting control lever on the low beam position and turn the fog light switch to position, then check if the fog lights are on.
6. Turn the fog light switch to position, and check if the fog light indicator light in the instrument cluster is illuminated.
Turn the fog light switch to the OFF position, and check if the fog light indicator light turns off.
7. Turn the headlight switch to either position or position with high beam, check if the fog lights are off even the fog light switch is position.
8. Turn the fog light switch to OFF position or turn the headlight switch to OFF position, and check if the fog lights are off.

8. TO THE CUSTOMER

Heed the following cautions when handling (maintenance) the front fog lamp kit.

- If gasoline, oil, engine coolant, or battery fluid adheres to the hard plastic parts, it will cause discoloration, stains, or damage. Wipe off immediately with a soft cloth.
- Depending on the type of high pressure car washer used, the water for washing may be high temperature and/or under high pressure. Be careful when using pressurized water from a car washer nozzle. If the nozzle is too close or water pressure is applied for long periods, it may cause deformation or damage to the hard plastic parts.
- Do not use electric or air tools to apply wax or compound (polishing powder). Otherwise, friction heat will be generated causing deformation or damage to the hard plastic parts.