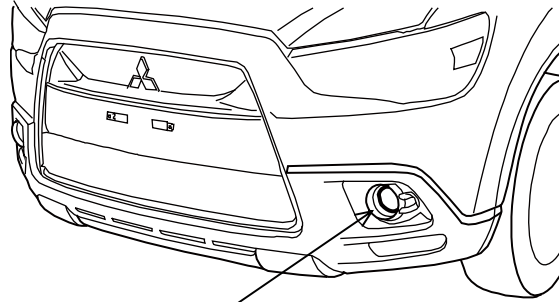


OUTLANDER SPORT / ASX

Front Fog Lamp
MZ380547EX

Installation Manual



Front Fog Lamp

For the operation procedure, please refer to the owner's manual installed in the vehicle.

Please follow instructions in this installation manual to ensure proper installation.

Precautions

- The following symbols are used in this installation manual:



Caution

This symbol indicates an important safety instruction. Failure to follow it can result in bodily injuries or accidents.



Note

This symbol indicates an advisory instruction to follow during installation.

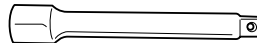
- Installation properness determines the product's performance and durability levels and influences the possibility of troubles in the future. Read the cautions below carefully before installation.
- Failure to follow the instructions stated herein may not only disturb the product's functions but also lead to troubles with the vehicle. Do NOT attempt installation other than instructed in this manual.
- Mitsubishi Motors Corporation does not bear any responsibility for troubles resulting from improper installation.
- It is advisable to have an authorized Mitsubishi dealership carry out installation of this product.

●Required Tools (Please prepare the following tools.)

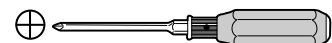
Socket Wrench (10)



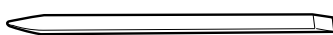
Extension Bar



Screwdriver



Trim Remover



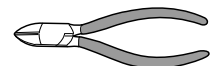
Vinyl Tape



Torque Wrench



Cutting pliers



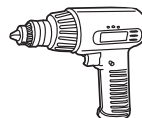
Stabber



Half-round File



Drill



Drill Bit (φ6)

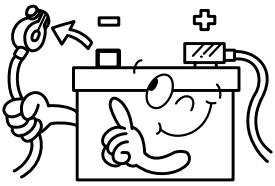


Installing Precautions

- Make sure to refer to safety reminders (⚠ **Danger** ⚠ **Warning** ⚠ **Caution**) in the manual during installation. Failure to follow these instructions (⚠ **Danger** ⚠ **Warning** ⚠ **Caution**) could result in malfunction of the product and/or the vehicle.
- Organize removed tapping screws, bolts, nuts, etc. part by part to avoid loss when disassembling vehicle parts and make sure all the parts are restored to their original position after installation work. Treat the vehicle and removed parts with special care to keep them from damage.

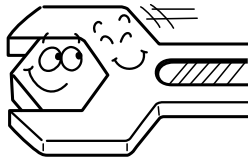
Before Installation

- Disconnect negative terminal cable from battery.



During Parts Installation/Removal

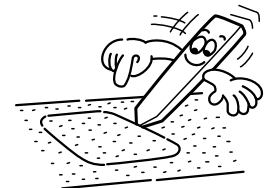
- Loosen or tighten bolts and nuts using tools that match their sizes.



- Use a screwdriver that fits the recess in the head of the screw size.

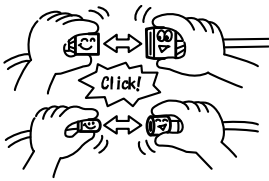


- Use a trim remover when removing plastic parts.

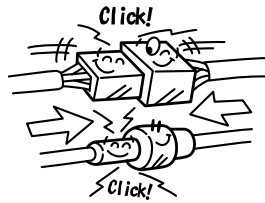


During Harness Routing

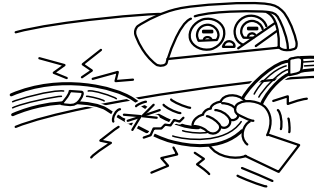
- Hold connectors, not lead wires, when disconnecting connectors.



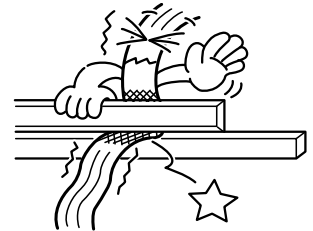
- When connecting connectors, push them against each other until the lock clicks.



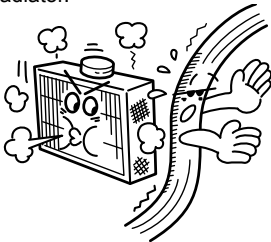
- Do not pull vehicle wire harnesses with excessive force.



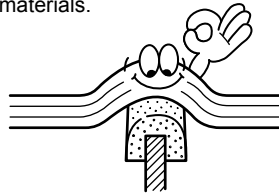
- Be careful not to pinch harnesses with other parts.



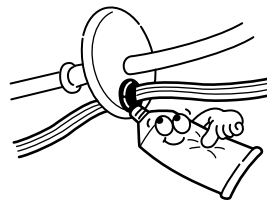
- Keep harnesses away from hot components such as engine and radiator.



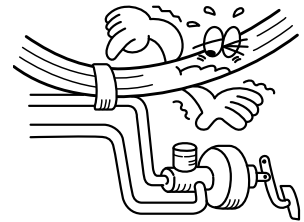
- Protect harnesses from sharp edges by covering the edges with tape or other protective materials.



- Apply sealant to grommets where harnesses run through.

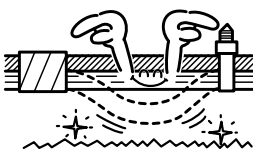


- Do not fix harnesses to brake pipes or high pressure air conditioner pipes.



Use of Clamps

- Fix harnesses to vehicle wire harnesses or with cable clamps so that they do not hang loose.



- Bind up extra length of harnesses using a tie wrap or tape.



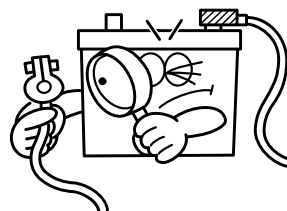
- If a tie wrap is too short, use two connected together.



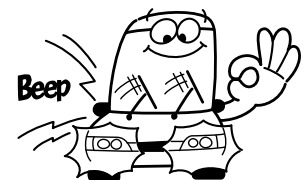
- For harness protection, cover bare harnesses with vinyl tape before binding them with a clamp.

After Installation

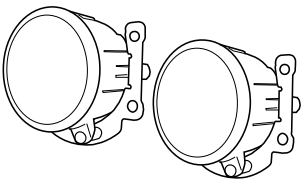

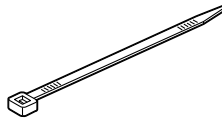
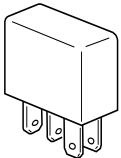
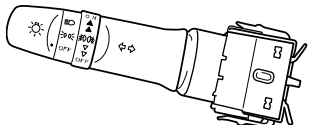
- Re-check installation and wiring before connecting cable back to battery.




- Make sure other devices (lamps, horn, wipers, etc.) function properly when installation work completes.



● **Components** (Make sure that all of the following components are included in the kit.)

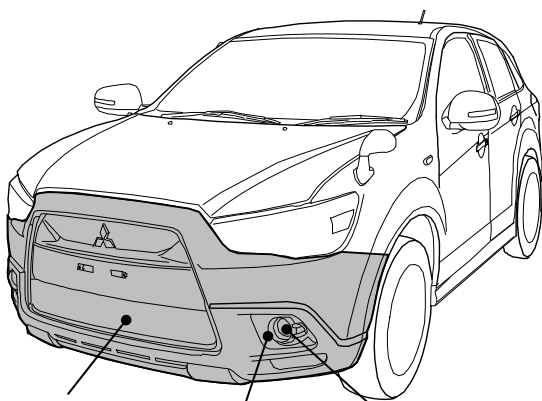
<p>① Front Fog Lamp: 2</p> 	<p>② Sub Harness: 1</p> 	<p>③ Tie Wrap: 10</p> 
<p>④ Relay: 1</p> 	<p>⑤ Light Switch: 1</p> 	

● **Precautions**

- Make sure to refer to statements in a circular box () in the installation instructions as they highlight particularly important points.
- Disconnect the negative terminal cable from the battery. (The engine switch and the light switch have to be turned off whenever the negative terminal cable is connected to/disconnected from the battery.)
Because disconnecting the negative terminal cable from the battery will result in loss of the memory of such devices as the radio and the audio, restore the memory when installation work completes. (For the memory restoring procedure, refer to the owner's manual.)
- Take special care not to damage the vehicle during installation.
- Make sure to connect harnesses securely.
- Fix harnesses with vinyl tape or tie wraps at locations where they may contact other vehicle parts in order to protect them from damage and dangling.
- Pay attention to the following points in order not to get injured by cut edges of tie wraps when cutting them short.
 - ◆ Cut off the excess tie wrap as close to the head as possible and avoid acute cutting angle.
 - ◆ Cut a tie wrap in a way the cut edge points downward.
- Tighten each bolt/nut securely. Retighten them if they loosen after test driving.

Installation Procedures

A. Removal of Front Bumper



Front Bumper

Front Bumper Garnish

Front Fog Lamp Cover

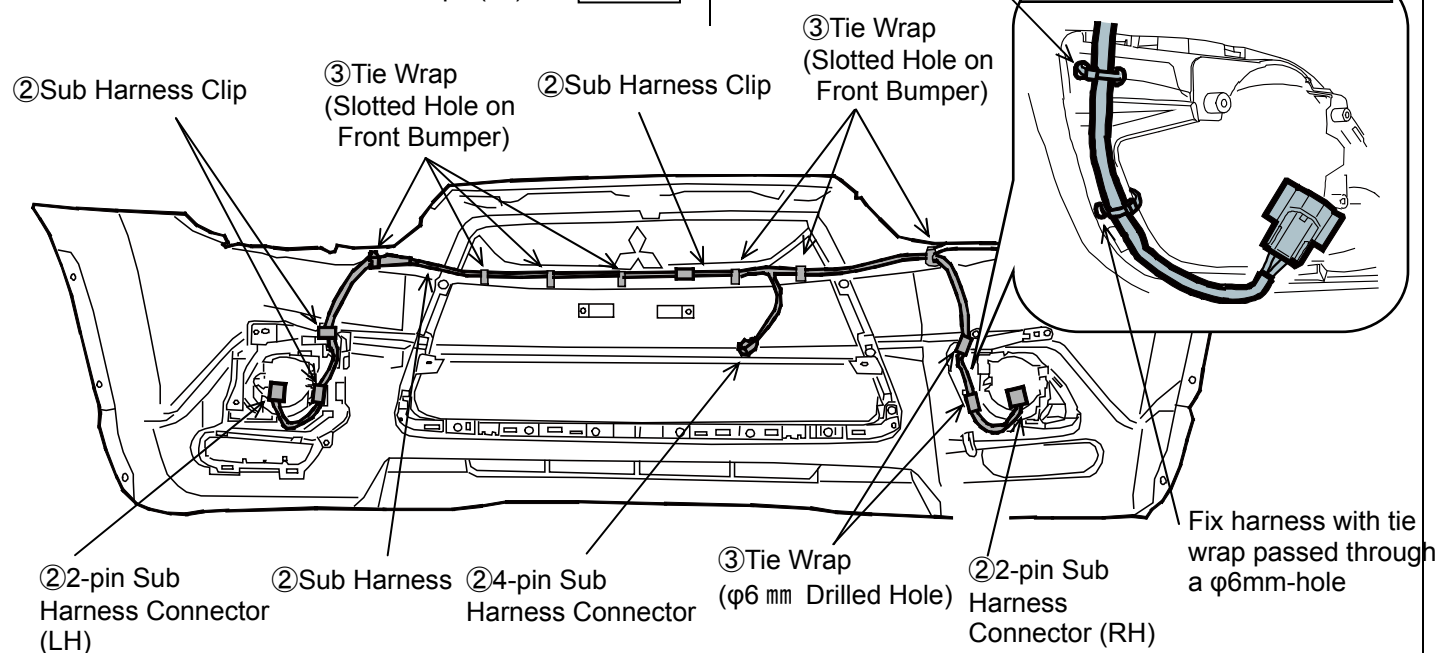
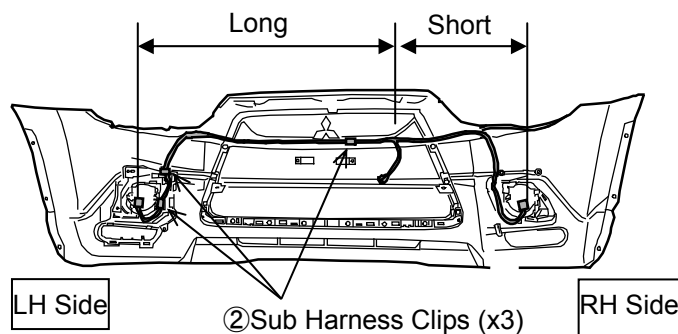
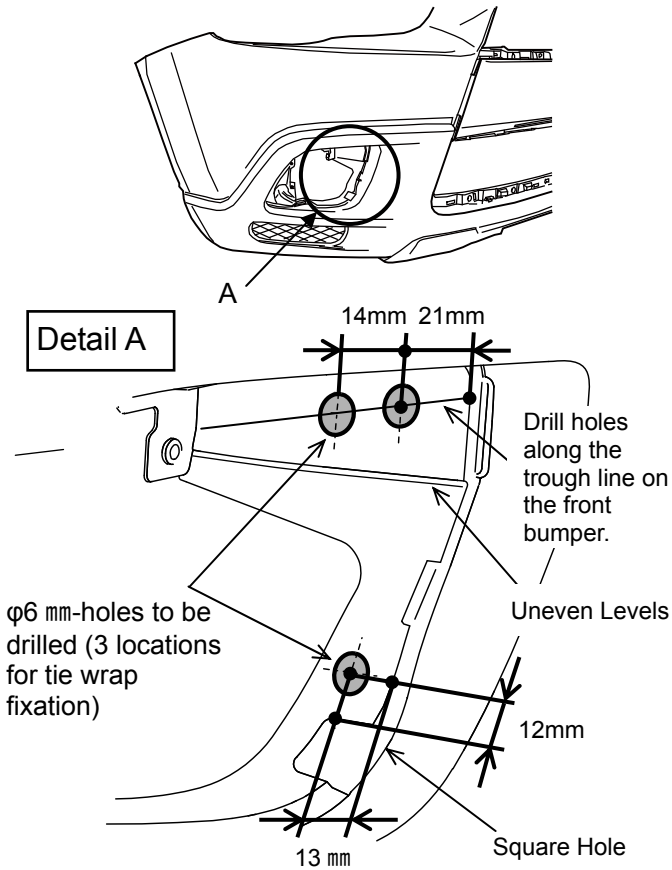
- 1) Remove the head lamp support upper panel cover and the front bumper.
- 2) Remove the front bumper garnish and the front fog lamp cover. The removed front fog lamp cover will not be reused. Keep the existing tapping screws for reuse.

 **Note**

- Refer to the workshop manual for how to remove vehicle parts.
- Keep each removed part for later reuse.

Check

B. Sub Harness Routing



- 1) Make $\phi 6\text{mm}$ -holes on the right side of the front bumper. (3 locations on the right side; refer to detailed illustration of A).
 - Use a file to trim drilled holes.

Note

- Apply tape or other protective material to the surface of the front bumper to protect it from scratches.

- 2) Place the sub harness ② at the back of the front bumper as shown in the illustration on the left and fix clips of the sub harness ② to the slotted holes on the front bumper (3 locations).

- 3) Secure the sub harness ② with tie wraps ③ passed through the slotted holes and $\phi 6\text{mm}$ -holes (9 locations).

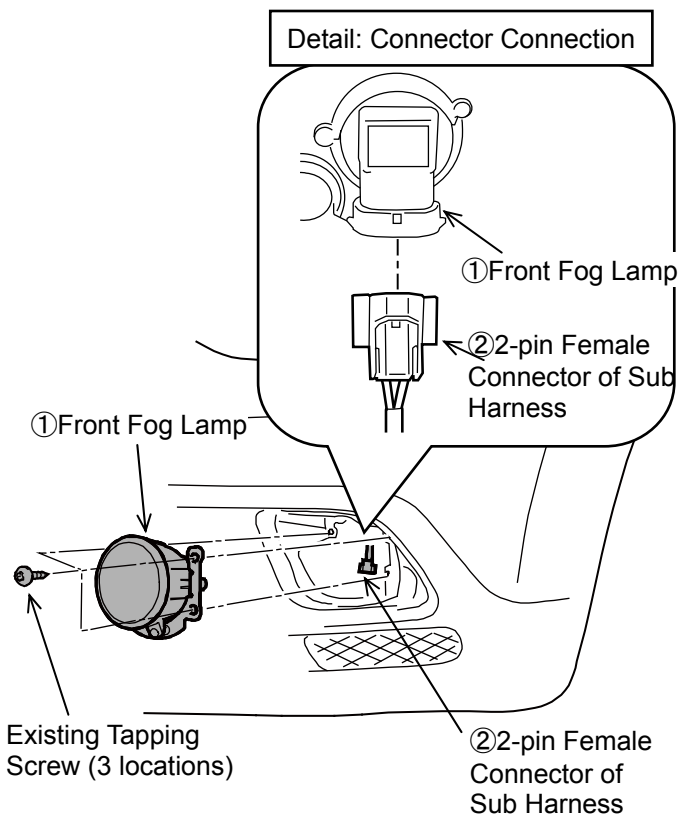
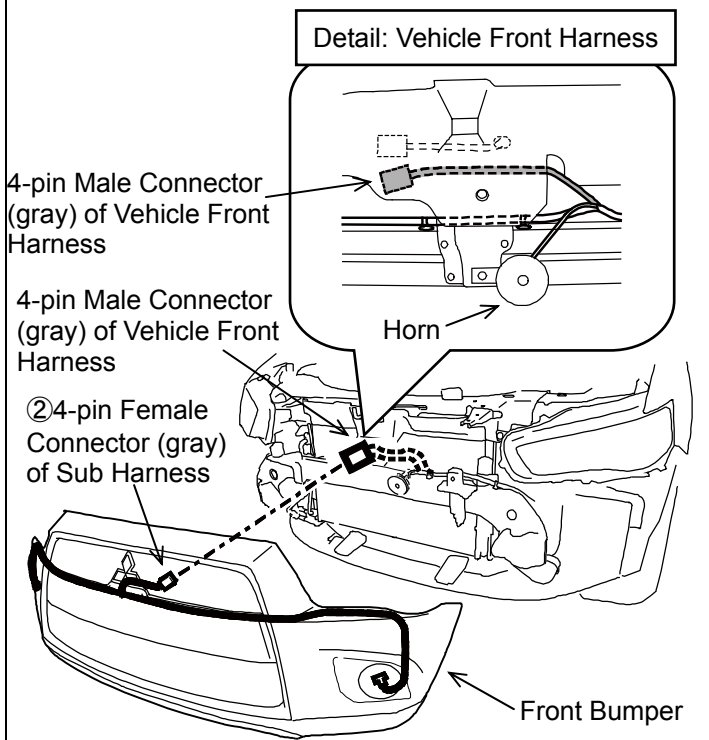
Caution

Make sure to fix the harness with tie wraps ③ to prevent dangling and interference with other parts.

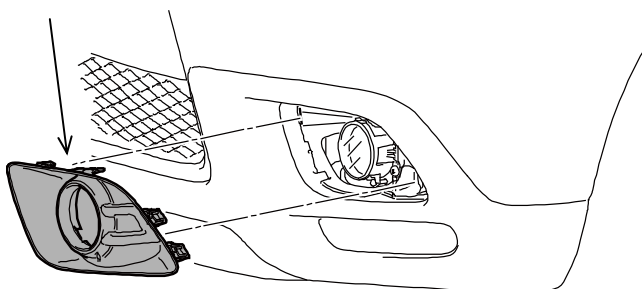
Fix harness with tie wrap passed through 2 $\phi 6\text{mm}$ -holes

Check

C. Installation of Front Fog Lamp



Front Bumper Garnish



- 1) Connect the 4-pin female connector (gray) of sub harness ② with the 4-pin male connector (gray) of vehicle front harness and reinstall the front bumper.

Caution

Make sure to connect connectors securely.

Note

Refer to the workshop manual for how to restore vehicle parts to their original position.

- 2) Connect the 2-pin female connector of sub harness ② to the front fog lamp ① and install the front fog lamp to the front bumper with existing tapping screws (3 locations).

Use the tightening torque specified in the workshop manual.

Caution

Make sure to connect connectors securely.

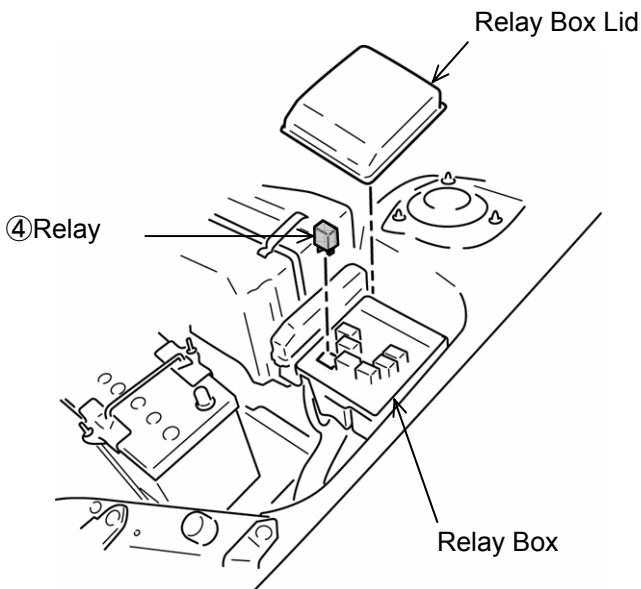
- 3) Reinstall the existing front bumper garnish to the front bumper.

Note

Refer to the workshop manual for how to restore vehicle parts to their original position.

Check

D. Installation of Relay



- 1) Remove the relay box lid in the engine compartment and install the relay ④ in the designated position.
 - The installation position is illustrated on the lid.Refer to the symbol ⓍD for the installation position of the front fog lamp.

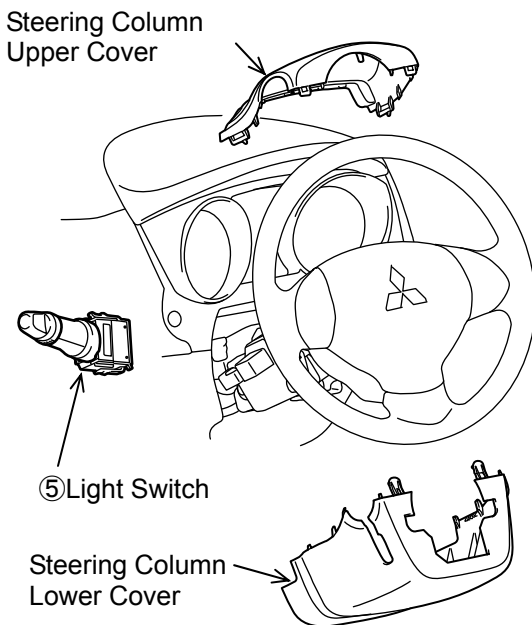
⚠ Caution

- Do not drop or apply impact to the relay ④ to prevent damage. Replace a dropped or damaged relay with a new one and never use it.
- Make sure to insert the relay ④ securely.

- 2) Put the relay box lid back to its original position.

Check	<input type="checkbox"/>
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E. Installation of Light Switch



⚠ Caution

Insert the light switch ⑤ until its lock clicks.

- 1) Remove the steering column upper/lower covers.
- 2) Remove the existing light switch and replace it with the light switch ⑤.
 - When removing the light switch, pull it out slowly while holding its lock portion.
 - When installing the light switch, connect it slowly and securely into fit its socket.

📖 Note

- The existing light switch will be no longer necessary after removal.
- Refer to the workshop manual for how to remove/install vehicle parts.

- 3) Reinstall the steering column upper/lower covers.

Check	<input type="checkbox"/>
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F. Function Setting of Front Fog Lamp

Connect the negative terminal cable to the battery.

Refer to the separately-attached "Function Setting Manual" and set the front fog lamp function.

Check	<input type="checkbox"/>
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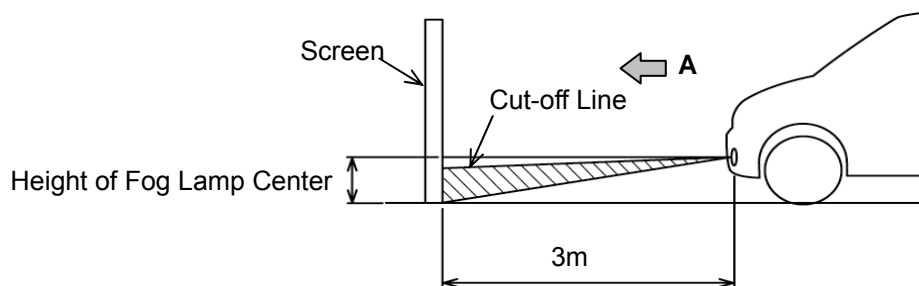
— Post-installation Confirmation —

- 1) Make sure that all the harness connectors are connected securely.
- 2) Confirm that the front fog lamp valve is locked securely.
- 3) Set the light switch in the  position.

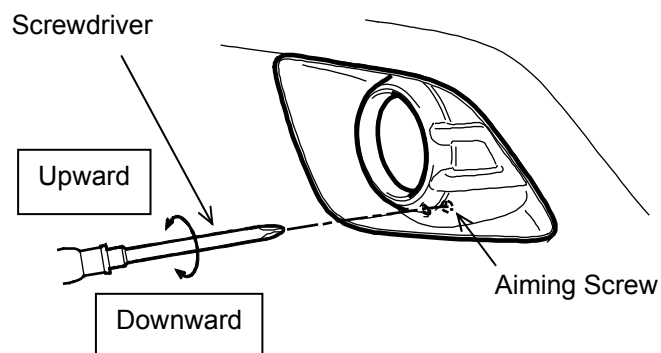
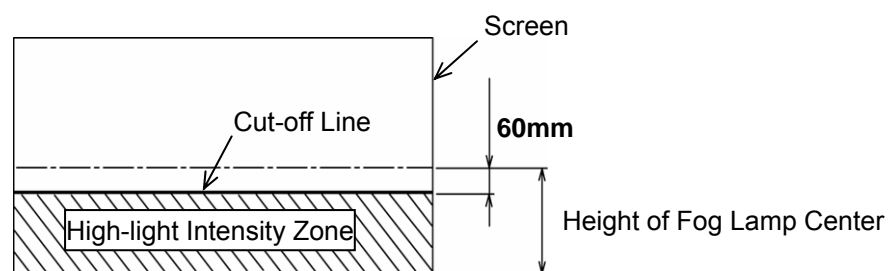
The front fog lamp indicator in the meter panel and the front fog lamps will turn on when the front fog lamp switch is turned to the ON position, and will go off when the switch is turned to the OFF position.

If the indicator and/or the lamps do not turn on, check if the harnesses are connected properly.

- 4) Confirm the fog lamp beam direction.
 - Set a screen 3m away from and directly opposite the front fog lamp center and turn on the front fog lamps.
 - Turn the aiming screw with a screwdriver to adjust the cut-off line (light-dark boundary) to be set approximately 60mm lower than the height of the front fog lamp center.



View A



Reinstall all other removed parts.

- 5) Reprogram the radio, audio and clock memories.
(Refer to the workshop manual for the reprogramming procedure.)

Check

Hand this installation manual to the customer when installation work is finished.