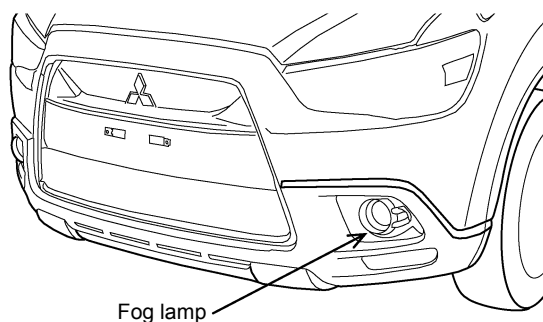


ASX FOG LAMP KIT MZ380546EX INSTALLATION AND HANDLING INSTRUCTIONS



Thank you for purchasing the Mitsubishi Genuine Accessory.
To install and use the product correctly with proper knowledge of it, read this publication carefully.
Keep this publication for reference when maintenance is required.

Attention

- This publication gives precautionary instructions in the boxes titled as follows.
Read through these instructions thoroughly.



Caution

Describes precautions that should be observed in order to prevent injury or damage to the vehicle or its components, which may occur if sufficient care is not taken.



Note

Provides additional information that facilitates installation work.

- Failure to follow these instructions not only prevents the product from working properly but may lead to trouble with the vehicle. Be sure to follow all instructions carefully.
- If there is anything unclear about the installation, handling and/or usage of the product, contact your Mitsubishi Motors dealer for clarification.
- Mitsubishi Motors Corporation is not responsible for any defects or difficulties caused by or resulting from the failure to follow given instructions.
- We recommend you to have the installation performed at an authorized Mitsubishi Motors dealer.

To the dealer:
Be sure that the customer receives this publication.

■ TOOLS (Make the following tools ready for use.)

Socket wrench (10)



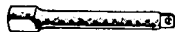
Trim remover



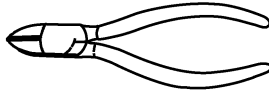
Drill bit ($\phi 6$ mm)



Extension bar



Cutting pliers



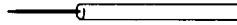
Half-round file



Phillips screwdriver



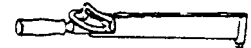
Gimlet



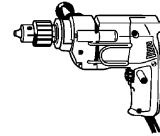
Vinyl tape



Torque wrench



Drill

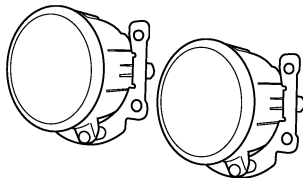


Duct tape

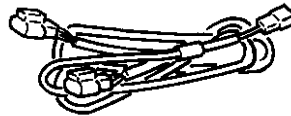


■ COMPONENTS (Make sure that all of the following components were included in the kit.)

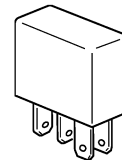
① Fog lamp: 2



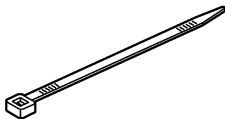
② Sub harness: 1



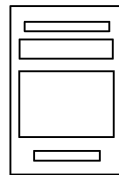
③ Power relay: 1



④ Tie wrap: 10



⑤ Installation and Handling Instructions (this document): 1

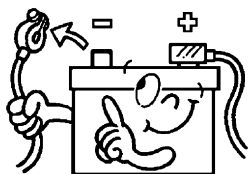


■ PRECAUTIONS

- Be sure to apply the parking brake securely. Remove the ignition key from the key cylinder.
- Disconnecting the (–) cable from the battery causes the radio and audio presets, the clock, etc. to lose their memory. Record the contents of the memory before disconnecting the battery (–) cable to allow you to reprogram the radio presets after the installation is completed. (For the reprogramming procedure, refer to the owner's handbook.)
- To prevent damage to harnesses, be sure to fasten them with vinyl tape or tie wraps where they may otherwise dangle and touch vehicle parts.
- Be sure to connect the harnesses securely.
- To prevent injuries by the cut edges of tie wraps, do the following:
 - Wind the tie wrap with its protruding part pointing downward (so that its cut end points downward).
 - Cut off the excess tie wrap close to the head. Do not cut at an angle.

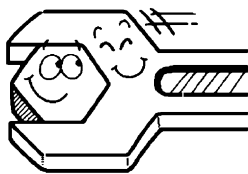
Before installation

- Be sure to disconnect the negative terminal cable from the battery.



When installing or removing parts

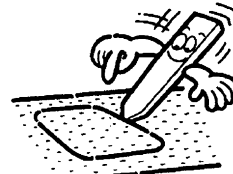
- Loosen or tighten bolts and nuts using tools that match their sizes.



- Use a Phillips screwdriver that fits the recess in the head of the screw being loosened or tightened.

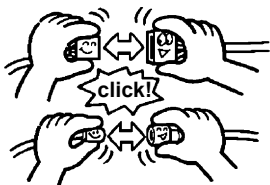


- To remove plastic parts, use a trim remover.

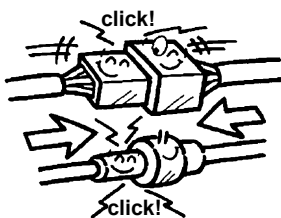


Wiring

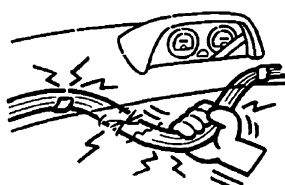
- When disconnecting connectors, first unlock them, then separate the connectors by pulling on themselves, not on cables.



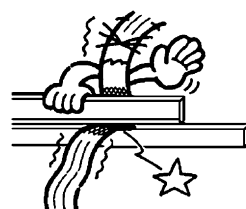
- When connecting connectors, push them against each other until the lock clicks.



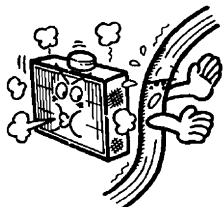
- Do not pull on wiring harnesses strongly.



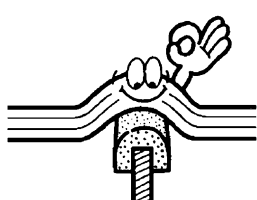
- Do not let harnesses be pinched between parts.



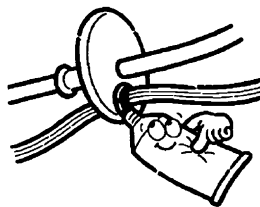
- Route the harness away from hot components such as the engine and radiator.



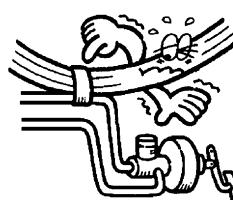
- Protect the harness from sharp edges by covering the edges with tape or other suitable materials.



- Apply sealant to grommets at portions where the harness run through.

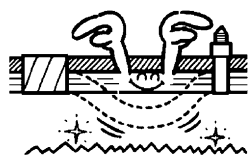


- Do not fasten the harness to brake pipes or high pressure air conditioner pipes.



Clamping harness

- Fasten the additional harness to an existing vehicle harness using tape or tie wraps.



- Bind up extra length of the harness using a tie wrap.

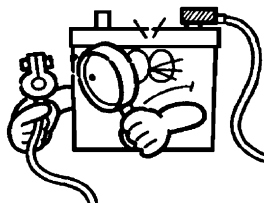


- If one tie wrap is too short, use two connected together.

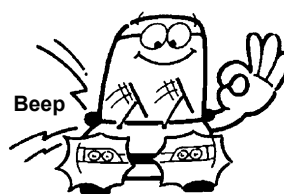


After installation

- Check the product and wiring for installed condition before connecting the cable to the battery.

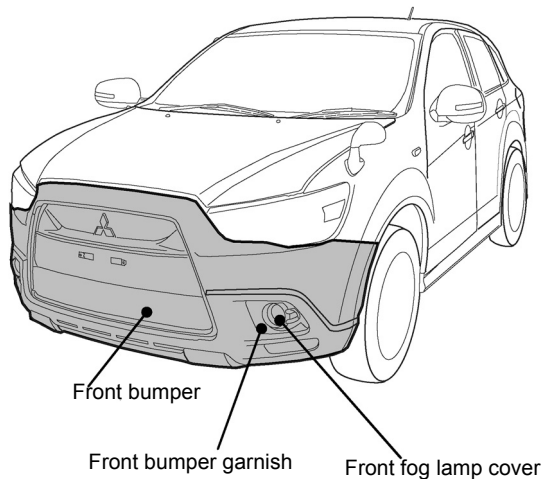


- Check the installed product for function. Also check lamps, horn, wipers, etc. for proper operation.



INSTALLATION PROCEDURES

A. REMOVING THE FRONT BUMPER



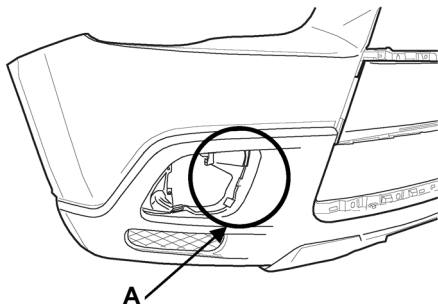
⚠ Caution

Keep the removed parts as they will be re-used.

- 1) Set the light switch to OFF position. Disconnect the battery (–) cable from the battery.
- 2) Remove the headlamp support upper panel cover and front bumper in accordance with the workshop manual.
- 3) Remove the front bumper garnish and front fog lamp cover from the front bumper in accordance with the workshop manual.
Removed front fog lamp covers will not be reused but the tapping screws will be reused.

Check

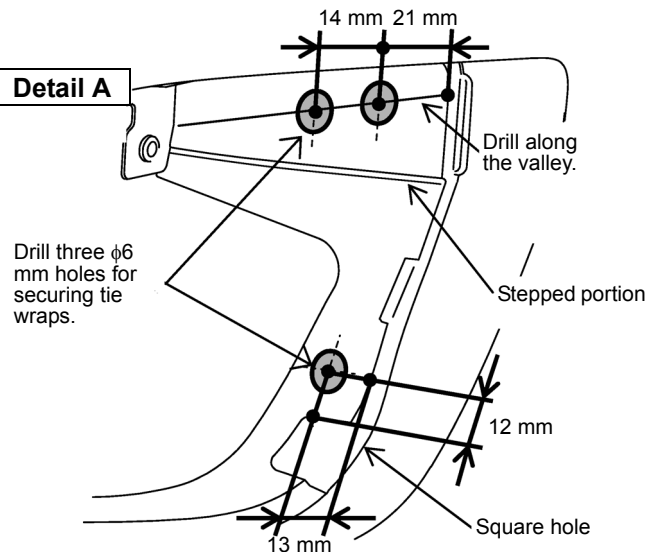
B. ROUTING THE SUB HARNESS

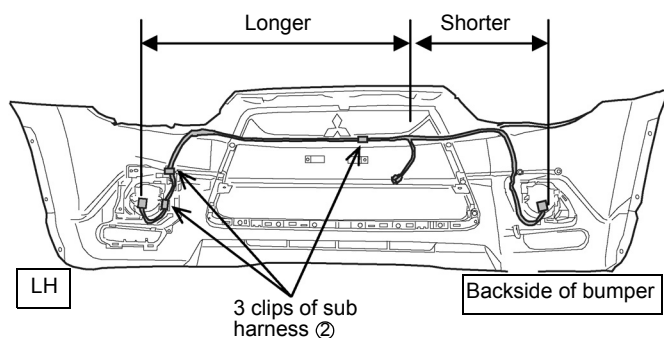


- 1) Drill three $\phi 6$ mm holes at the right side of the front bumper as shown in Detail A.

📖 Note

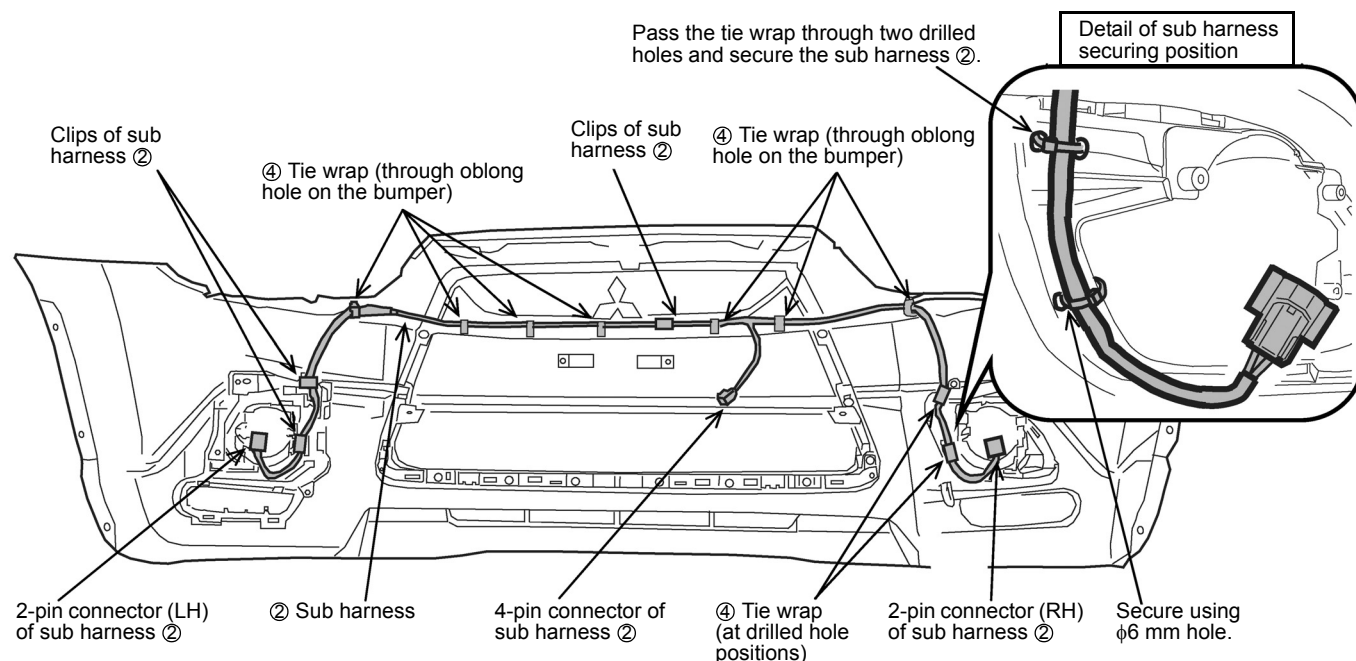
To prevent damage to the front bumper surface during drilling, apply duct tape around the drilling positions.





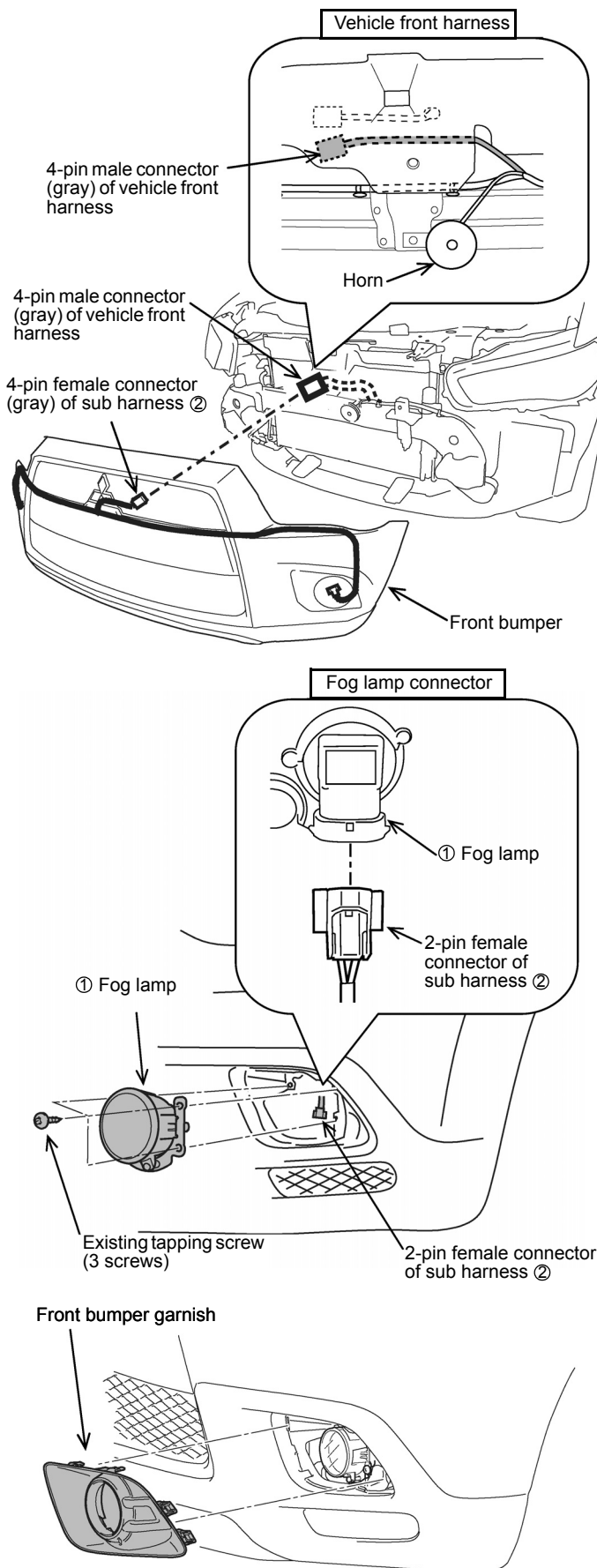
- 2) Route the sub harness ② at the back of the bumper as shown in the drawing. At the left side of the bumper, attach the three clips of the sub harness ② into the oblong holes on the bumper.

- 3) Secure the sub harness ② at the oblong hole and drilled hole positions (9 positions) using tie wraps ④.



Check

C. INSTALLING THE FRONT FOG LAMPS



1) Connect the 4-pin female connector of the sub harness ② with the 4-pin male connector of the front harness securely and reinstall the front bumper in accordance with the workshop manual.

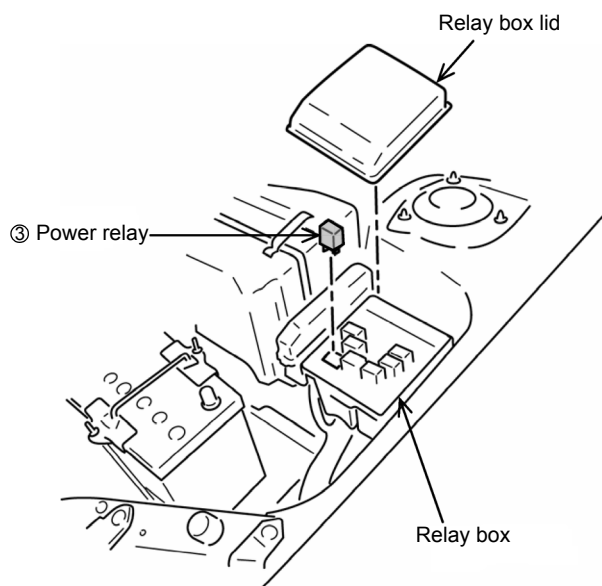
2) Connect the 2-pin female connectors of the sub harness ② with the fog lamp ① connectors securely.


3) Install each fog lamp ① to the front bumper with three existing tapping screws. For the tightening torque, refer to the workshop manual.

4) Reinstall the front bumper garnishes to the front bumper in accordance with the workshop manual.

Check	
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D. INSTALLING THE RELAY



- 1) Remove the lid of relay box in the engine compartment.
- 2) Install the power relay ③ to the position shown with  at the back of the lid securely.



Caution

The power relay ③ may be damaged if an impact is applied. Do not drop the relay and do not use the dropped relay.

- 3) Reinstall the relay box lid.

Check	
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

E. CODING THE FRONT FOG LAMP FUNCTION

When the front fog lamps are installed, the front fog lamp function needs to be coded to the vehicle's ETACS unit. After completion of the installation, perform the coding using the Mitsubishi Multi-use Tester III and then check that the front fog lamps function properly.

For the coding procedure, refer to the separate document "Operation Instructions for Option Coding MUT-III - Front fog lamp".

Check	
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F. CHECKING AFTER INSTALLATION

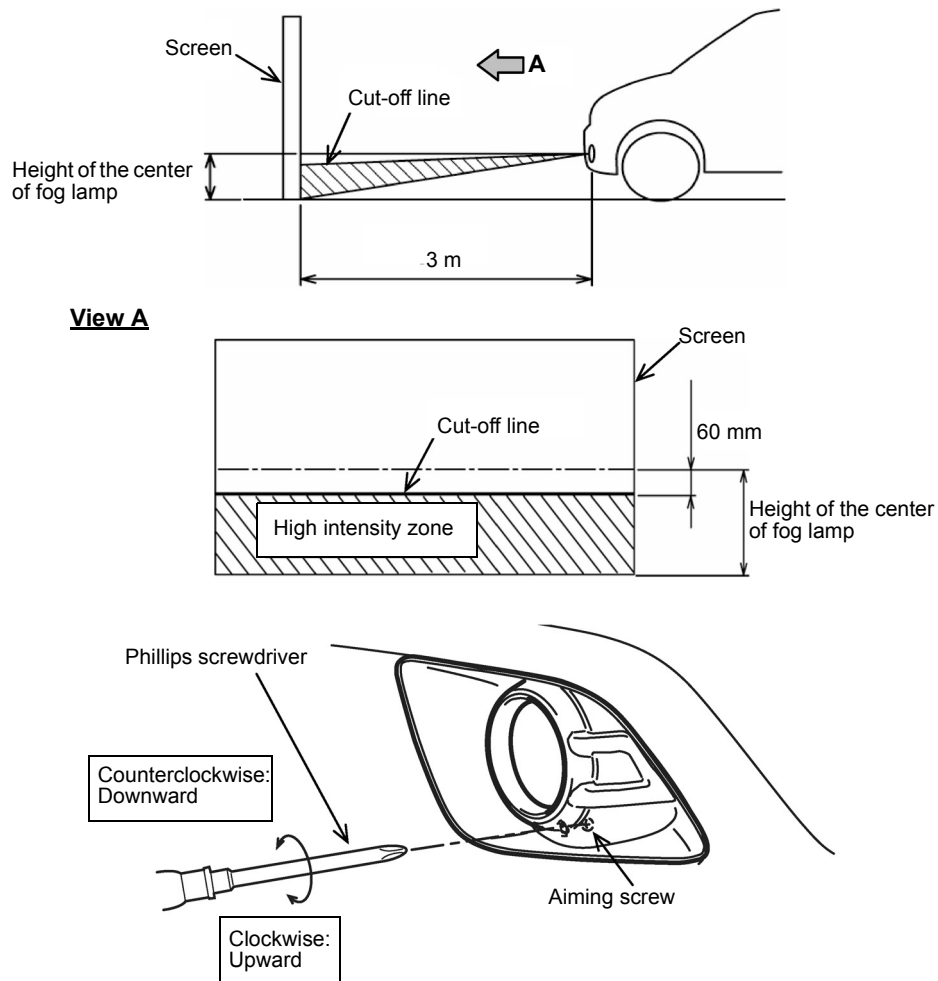
- 1) Reconnect the battery negative terminal.
- 2) Check that all the connectors are connected securely.
- 3) Set the light switch to "  " or "  " position.
- 4) Rotate the front fog lamp switch upward. The front fog lamps and the front fog lamp indicator in the meter panel should turn on.
- 5) Rotate the front fog lamp switch downward. The fog lamps and the front fog lamp indicator should turn off.
- 6) If any abnormality is found, check the connection of harnesses again.
- 7) Reinstall the removed parts in accordance with the workshop manual.
- 8) Reprogram the radio and audio memories and adjust the clock. For the reprogramming procedure, refer to the owner's handbook.

Check	
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G. AIMING THE FRONT FOG LAMPS

The fog lamp beams must be adjusted to conform with the local regulations.

To adjust the fog lamp beam direction (vertical direction), turn the aiming screw using a Phillips screwdriver.



Check	
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**MITSUBISHI MOTORS
GENUINE PARTS**

TO THE CUSTOMER HANDLING INSTRUCTIONS

ASX

FOG LAMP KIT



MZ380546EX

Thank you for purchasing the Mitsubishi Genuine Accessory.

Read this publication carefully to ensure correct use of the product in the best condition with proper knowledge of it.

Keep this publication for reference when maintenance is required.

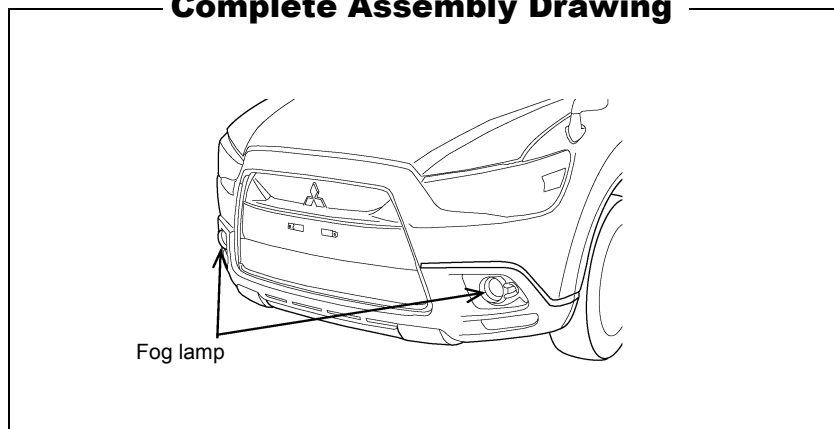
Attention

- 1) Contained in the boxes marked  **Caution** and  **Note** are safety precautions that must be observed when the product is used.
- 2) If there is anything unclear about the usage of the product, contact your Mitsubishi Motors dealer for clarification.

Caution

- **Never modify the product.**
- **Mitsubishi Motors Corporation is not responsible for any defects or difficulties caused by or resulting from the failure to follow given instructions.**


Complete Assembly Drawing

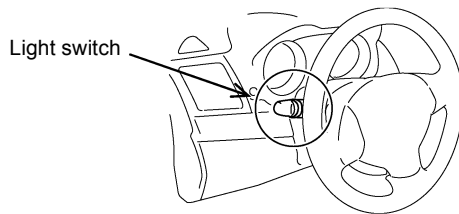


■ PRODUCT DESCRIPTION

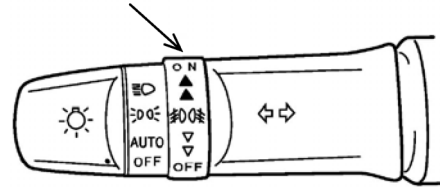
Fog lamps are useful at night when it is raining or snowing, during twilight hours, and under misty conditions when visibility is poor.

■ LOCATION OF SWITCH



The ring-shape switch marked  on the inside of the light switch is the front fog lamp switch.



Front fog lamp switch



■ SWITCH OPERATION

- 1) ON..... With the light switch in the  or  position, turning the front fog lamp switch upward turns on the front fog lamps. The front fog lamp indicator in the combination meter also illuminates.
- 2) OFF..... Turning the front fog lamp switch downward turns off the front fog lamps and front fog lamp indicator. Turning the light switch to OFF also turns them off.

■ PRECAUTIONS FOR USE

Caution

- If the front fog lamps are left on for a long time with the engine turned off, the battery will be run down and the engine may not start.
- The beam direction has been preset so that the light does not dazzle the drivers of oncoming vehicles. Do not change the beam direction without good reason.
- When lit, the lamp lens becomes hot. Do not touch the fog lamps when they are lit.
- The fog lamps are intended for use when visibility is poor. Do not use them unnecessary.
- Water may condense on the inside of the lens due to the inside-outside temperature difference of the fog lamp, but this is normal.
 - It will disappear when the temperature difference dissolves.
 - It will disappear in some minutes when the fog lamps are turned on.

BULB REPLACEMENT

If the front fog lamp bulb burns out or the lens cracked, ask your Mitsubishi Motors dealer to replace it. If you intend to replace the bulb by yourself, follow the instructions given below.

Type of bulb: Halogen, H11, 12 V – 55 W (Part No. MS820976)

Caution

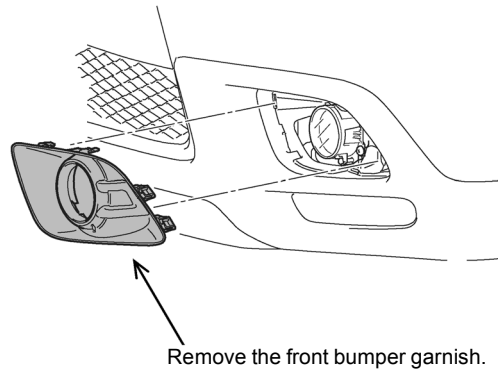
Be sure to use the specified bulb. Use of any non-specified bulb may cause a fire.

■ REPLACEMENT PROCEDURE

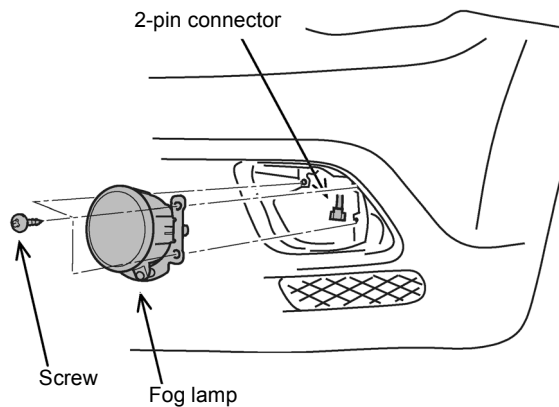
⚠ Caution

- Before replacing the bulb, be sure to disconnect the (–) cable from the battery. Always turn off the ignition switch and light switch before disconnecting and reconnecting the (–) battery cable.
- Disconnecting the (–) cable from the battery causes the radio and audio presets, the clock, etc. to lose their memory. Record the contents of the memory before disconnecting the battery (–) cable so that you can reprogram the radio and audio presets after the installation is completed.
- Do not touch the glass part of the bulb.

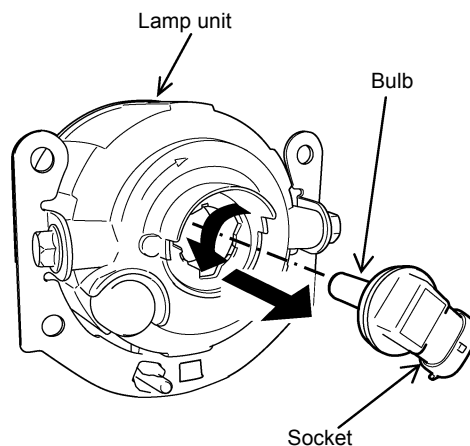
- 1) Remove the front bumper garnish.



- 2) Remove the fog lamp and disconnect the connector from the fog lamp.



- 3) Turn the bulb counterclockwise and pull it out from the lamp unit.

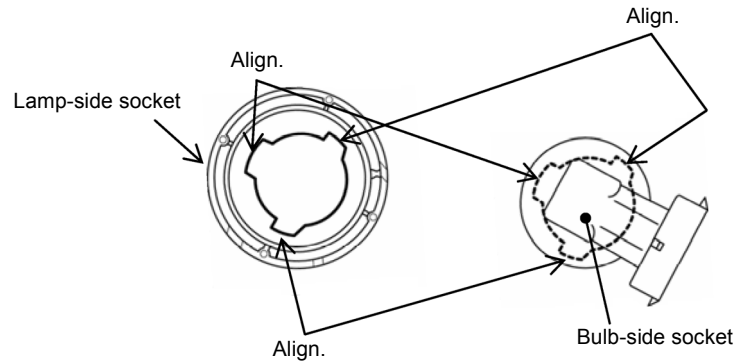


- 4) Insert a new bulb into the lamp unit and turn it clockwise to lock.



Caution

Confirm that the bulb is locked firmly in position. Incorrectly installed bulb may cause entering of water in the lamp unit or may cause fire by the dangling bulb.



- 5) Reconnect the connector and reinstall the fog lamp and the fog lamp bezel.



Caution

Be sure to connect the connector firmly.

- 6) Reconnect the battery (–) cable, reprogram the radio and audio presets and adjust the clock. For the reprogramming procedure, refer to the owner's handbook.