



GENUINE FOG LIGHT KIT

INSTALLATION AND USER'S INSTRUCTIONS

Thank you for purchasing a genuine Mazda accessory.
Before removal and installation, be sure to thoroughly read these instructions.
Please read the contents of this booklet in order to properly install and use the fog light.
Kit Your safety depends on it.
Keep these instructions with your vehicle records for future reference.

WARNING

- There are several  **WARNING** and  **CAUTION** sections in this booklet concerning safely when installing or removing the fog light kit. Always read and follow them 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.
- Do not modify the fog light kit.
- Do not install the fog light kit in any way other than described in the following instructions.
- If in any doubt, please ask 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 from scratches, grease or other dirt.

PART NAME: FOG LIGHT KIT
PART NUMBER: For EC
BN8V V7 230F (4SD)
BP4K V7 230F (5HB)
For US
BN8R V7 220F (4SD With Auto light system)
BN8P V7 220F (4SD Without Auto light system)
VEHICLE: Mazda 3

NOTE

To the dealer

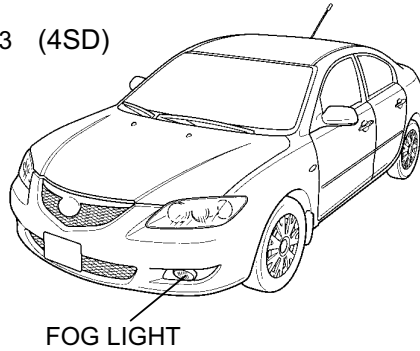
- Please turn over these instructions to the customer after installation.

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 leave these instructions with it for the next owner.

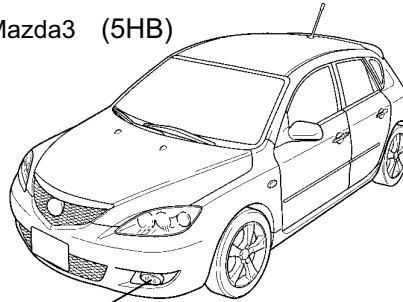
1 INSTALLATION VIEW

Mazda3 (4SD)



FOG LIGHT

Mazda3 (5HB)









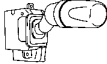


FOG LIGHT

2 PARTS

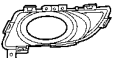



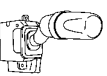


Note

- Verify that the kit includes all the following parts and that the parts are not dirty, scratched, or damaged.




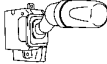

For EU: BN8V V7 230F (4SD) The fog light is a separately purchased part.(Part number: BP4K V7 220F)

Part	Part name	Qty.	Part	Part name	Qty.	Part	Part name	Qty.
	Fog light bezel (RH, LH)	1 ea.		Tapping screw A ($\phi 5 \times 16\text{mm}$)	2		Tapping screw B ($\phi 5 \times 16\text{mm}$)	2
	Screw A ($\phi 6 \times 12\text{mm}$)	2		Screw B	2		Nut	2
	Light switch (built into fog light switch)	1		Washer	2		Installation and user's instructions	1

For EU: BP4K V7 230F (5HB) The fog light is a separately purchased part.(Part number: BP4K V7 220F)

Part	Part name	Qty.	Part	Part name	Qty.	Part	Part name	Qty.
	Fog light bezel (RH, LH)	1 ea.		Tapping screw	4		Screw A ($\phi 6 \times 12\text{mm}$)	2
	Screw B	2		Light switch (built into fog light switch)	1		Washer	2
	Installation and user's instructions	1						

For US: BN8R V7 220F (4SD With Auto light system),
BN8P V7 220F (4SD Without Auto light system)

Part	Part name	Qty.	Part	Part name	Qty.	Part	Part name	Qty.
	Fog light and Fog light bezel (RH, LH)	1 ea.		Tapping screw A ($\phi 5 \times 16\text{mm}$)	2		Tapping screw B ($\phi 5 \times 16\text{mm}$)	2
	Light switch (built into fog light switch)	1		Installation and user's instructions	1			

North American spec. : Fog light and nut equipped on fog light bezel.

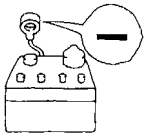
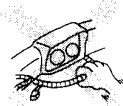

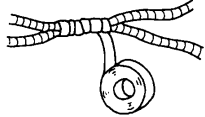
3 BEFORE INSTALLATION

REQUIRED TOOLS

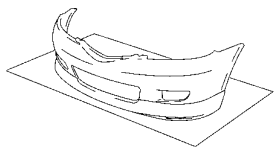
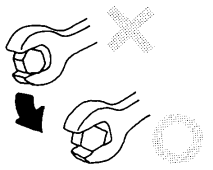
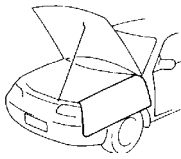
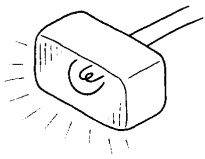
Prepare the following tools or items before installation.

- ★Phillips screwdriver (Stubby, Long)
- ★Fastener remover
- ★Mat
- ★Flathead screwdriver

⚠ WARNING

<p>When the negative battery cable is connected during operation, it may cause electric shock or other personal injuries. Disconnect the negative battery cable before removal/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>	<p>Do not pull the harness with excessive force. Doing so can cause a breakage or a short-related accident, as well as an electrical short or fire.</p>	<p>Secure the harness with the band (part included) so it doesn't dangle. If not, it may cause a short, accident, or fire.</p>
			

⚠ CAUTION

<p>Put the removed parts and the parts in the kit on the protective sheet to prevent scratches.</p>	<p>Using improper tools may cause damage and or broken parts. Use the correct tool for the job.</p>	<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 nonstandardized bulbs can cause damage. Verify that the head light bulbs are standardized.</p>
			

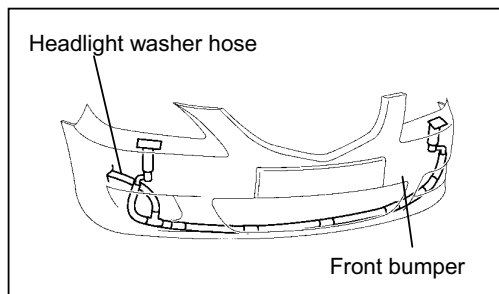
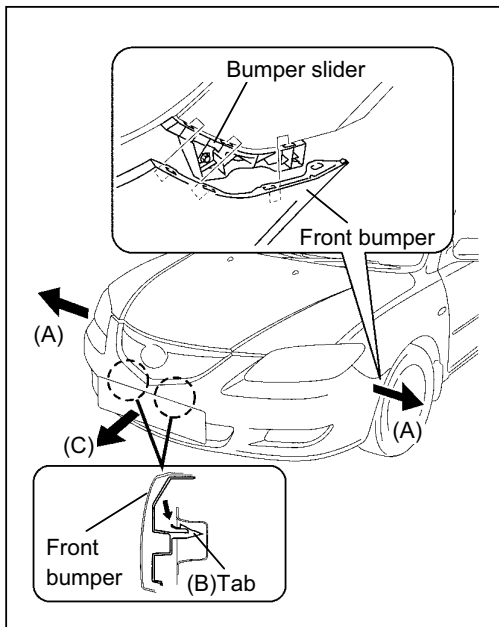
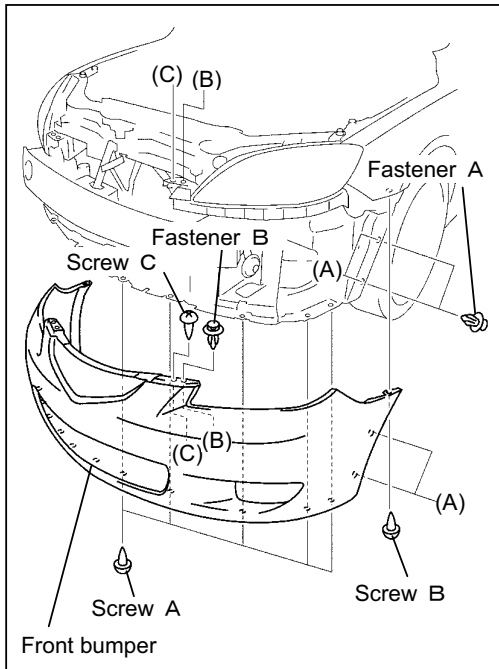
⚠ WARNING

- When removing/installing the parts, park the vehicle on level ground and apply the side brake securely. Be sure to turn the ignition switch off, otherwise the vehicle can move, causing personal injury or vehicle damage.

Note

- When the negative battery cable is removed, the clock, radio, trip meters and other memories will be erased. Before performing work, record the content of the memory.

4 PART REMOVAL



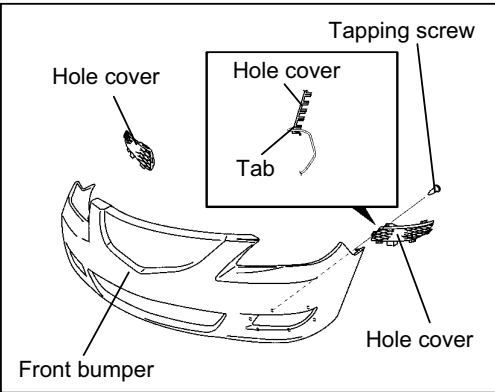
Front bumper removal

Note

- The figure shows the 4SD vehicle, however, the removal for the 5HB vehicle is the same.

1. Remove fasteners A (2 each side).
 2. Remove screws A (9).
 3. Remove screws B (1 each side).
 4. Remove fasteners B (1 each side), and screws C (1 each side).
 5. Pull in the direction of (A), and remove the front bumper from the bumper slider tabs (3 locations each side).
 6. Remove tab (B), and pull in the direction of (C).
- CAUTION**
- When disconnecting the bumper, be careful not to drop it. Otherwise the bumper could be damaged.
7. Disconnect the front fog light connector and remove the front bumper.

8. Disconnect the headlight washer hose.
(Only vehicles with headlight washer)

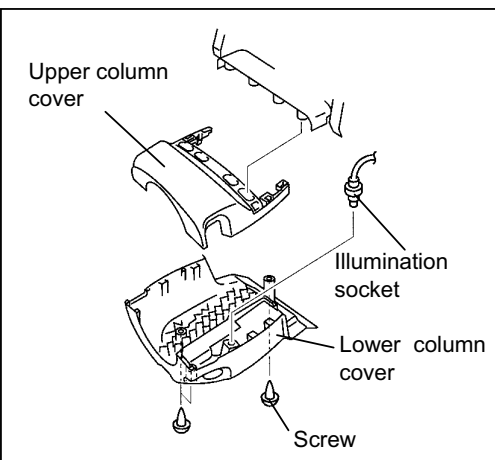


Hole cover removal (left/right)

1. Remove the headlight washer cover.
(Only vehicles with headlight washer)
2. Remove the tapping screws (1 each side) and the tabs (5 locations each side), and remove the hole cover from the front bumper.

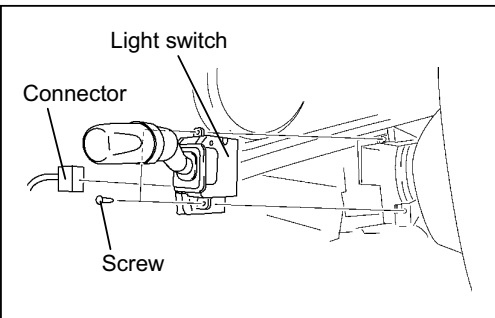
Note

- The figure shows the 4SD vehicle, however, the removal for the 5HB vehicle is the same.
- The removed tapping screws (1 each side) are necessary for reinstallation. Be careful not to lose them.
- The removed hole cover is not used for this accessory.



Column cover removal

1. Remove the upper column cover by pulling it upward.
2. Remove the illumination socket.
3. Remove the screws (3), and remove the lower column cover.



Light switch removal

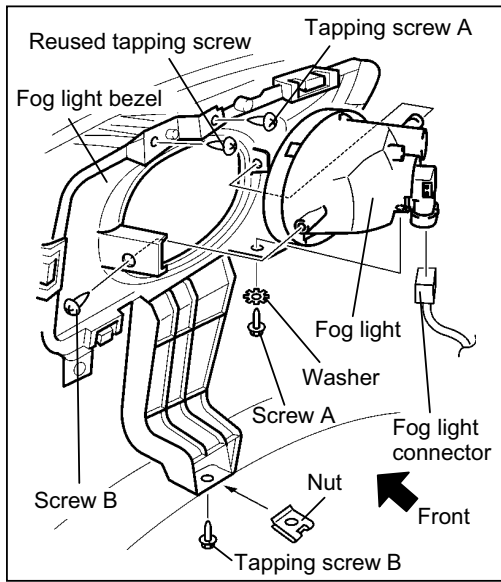
1. Remove the screws (2).
2. Pull the light switch outward.
3. Disconnect the connector and remove the light switch.

⚠ CAUTION

- The following vehicle parts removal procedure is for left-hand drive vehicles. Perform the same procedure for right-hand drive vehicles.
- The removed screws (2) are necessary for reinstallation. Be careful not to lose them.
- The removed light switch is not used for this accessory.

5

FOG LIGHT INSTALLATION



Fog light installation (left/right)

⚠ CAUTION

- North American spec. : Fog light and nut equipped on fog light bezel.
Part number : For US
BN8R V7 220F (4SD With Auto light system)
BN8P V7 220F (4SD Without Auto light system)

Note

- The fog light is a separately purchased part.
(Part number: BP4K V7 220F)

(4SD vehicle)

1. Install the nuts (1 each side) the fog light bezel (1 each side).
2. Install the fog light bezel (1 each side) to the front bumper.
3. Using tapping screws A(1each side), tapping screws B(1each side) and the reused tapping screws (1 each side), install the fog light bezel (each side) to the front bumper.

Tightening torque:

0.3—1.3N·m {3.0—13.2kgf·cm,2.6—11.4in·lbf }

⚠ CAUTION

- Tighten the screws securely. If the screws are not tightened within the specified torque, the fog light bezel could be damaged or fall off.

4. Using screws A (1 each side), washers (1 each side) and screws B (1 each side), install the fog light to the fog light bezel.
5. Connect fog light cord connectors to the fog lights.
6. Install the bumper in the reverse order of removal.

(5HB vehicles)

1. Using tapping screws (2 each side) install the fog light bezel (each side) to the front bumper.

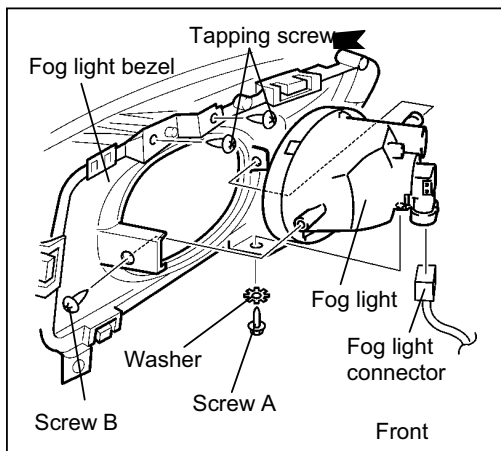
Tightening torque:

0.3—1.3N·m {3.0—13.2kgf·cm,2.6—11.4in·lbf }

⚠ CAUTION

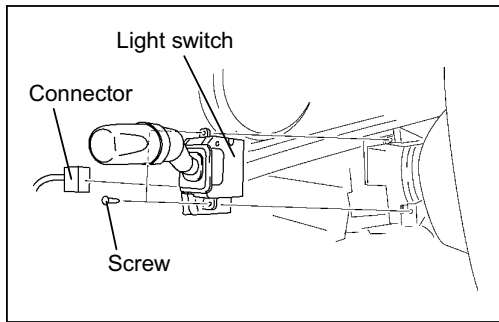
- Tighten the screws securely. If the screws are not tightened within the specified torque, the fog light bezel could be damaged or fall off.

2. Using screws A (1 each side), washers (1 each side) and screws B (1 each side), install the fog light to the fog light bezel.
3. Connect fog light cord connectors to the fog lights.
4. Install the bumper in the reverse order of removal.



6

FOG SWITCH INSTALLATION



Light switch installation

1. Connect the light switch connector.
2. Insert the light switch and install it using the screws (2).
3. Install the column cover in the reverse order of removal.
4. Perform the installation inspection.
(Refer to "7.OPERATION CHECK ")

⚠ CAUTION

- The following vehicle parts installation procedure is for left-hand drive vehicles. Perform the same procedure for right-hand drive vehicles.

7

OPERATION CHECK

- After verifying the harness routing, connect the negative battery cable.
- Check the operation with the following procedure:

< Inspection procedure >

1. Verify that the headlights illuminate when the light switch is turned to the headlight position.
2. Verify that both the high and low beam illuminate.
3. Verify that the turn lights flash (left/right) when the turn light lever is operated.
4. Verify that the fog lights illuminate when the fog light switch is turned on after the light switch is turned to the TNS or headlight position.
5. Verify that the fog lights turn off when the fog light switch or the light switch is turned off.



< Inspection area if the fog lights do not operate >

- Each harness for pinching
- Each connector for poor connection.

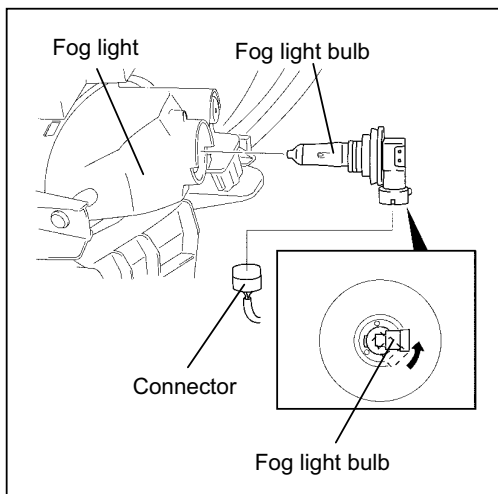
YES



The operation check is complete if there is no malfunction.

8

FOG LIGHT BULB REPLACEMENT



⚠ WARNING

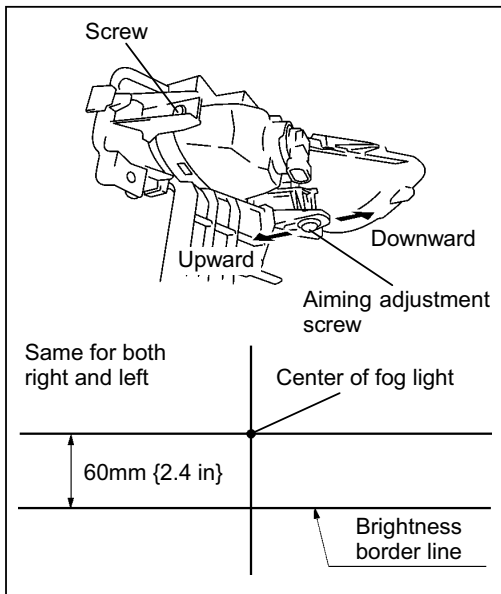
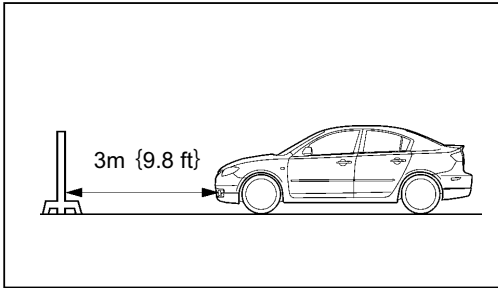
- If a non-specified fog light bulb is used, it might cause a fire. Make sure to use the specified fog light bulb.

⚠ CAUTION

- For fog light bulb replacement, consult your dealer.
- Use fog light bulb.
Part number: 90703 7550 [H11 12V 55W]
- When replacing a fog light bulb, do not touch the glass part of the fog light bulb. Otherwise, bulb life may be decreased.
- Before replacing a fog light bulb, make sure to turn off the light and let the bulb cool, otherwise, you may get burned.

1. Disconnect the negative battery cable.
2. Remove the front bumper.
3. Disconnect the connector from the fog light.
4. Replace the fog light bulb.
5. Install the bulb socket turning it clockwise.
6. Install the front bumper in the reverse order of removal.

9 FRONT FOG LIGHT AIMING



1. Adjust the tire air pressure to the specification.
2. Position the unloaded vehicle on a flat, level surface.
3. Seat one person in the driver's seat.
4. Position the vehicle straight ahead and perpendicular to a white screen.
5. Set the fog lights 3m {9.8 ft} from the white screen.
6. Place an object in front of the fog light not being adjusted to block its light beam.
7. Start the engine so that the battery remains charged.
8. Turn the front fog lights on.
9. Loosen the screw and the adjusting screw, move the front fog light in the direction of the arrows, and adjust the front fog light beam to the position shown in the figure.
10. Tighten the adjusting screw, then tighten the screw.

Tightening torque :

4.4—5.3N · m{44.9—54.0kgf·cm, 39.0—46.9in·lbf}

⚠ CAUTION

- Observe the specified tightening torque. Failure to observe the torque may result in damaging or dropping the fog lights.

INSTALLATION INSPECTION SHEET

Mazda3

FOG LIGHT KIT

For EU
 BN8V V7 230F (4SD)
 BP4K V7 230F (5HB)
 For US
 BN8R V7 220F
 (4SD With Auto light system)
 BN8P V7 220F
 (4SD Without Auto light system)

A. Inspection after installation

- Inspect the installed / reinstalled parts for the following items.

Inspection Parts	Inspection Items (○)				
	Clearance/Fit	Scratches/ Dirt/ Harness interference	Installation/ Tightening/ Engagement	Operation check	Adjustment
Fog light (RH, LH)	○	○	○	○	○
Light switch	○	○	○	○	
Column cover	○	○	○	○	
Headlight washer hose (Only vehicles with headlight washer)	○	○	○	○	
Front bumper	○	○	○	○	
Fog light bezel	○	○	○	○	

Date					
VIN.					
Approved		Checked		Person in charge	

The term of validity for this sheet: 3 months