





GENUINE FRONT AIR DAM SKIRT

INSTALLATION 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 front air dam skirt. 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 safety when installing or removing the front air dam skirt. 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 front air dam skirt.
- Do not install the front air dam skirt 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: FRONT AIR DAM SKIRT
PART NUMBER: NH52 V4 900
0000 8Y D01
VEHICLE: MX-5

NOTE

To the dealer

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

To the customer

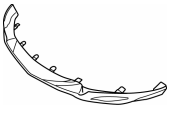
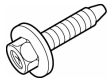

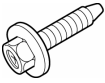


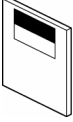
- Keep these instructions after installation. The instructions may be necessary for installing other optional parts or removal of this accessory.
- Should the vehicle or this accessory be resold, always leave these instructions with it for the next owner.

1. PARTS

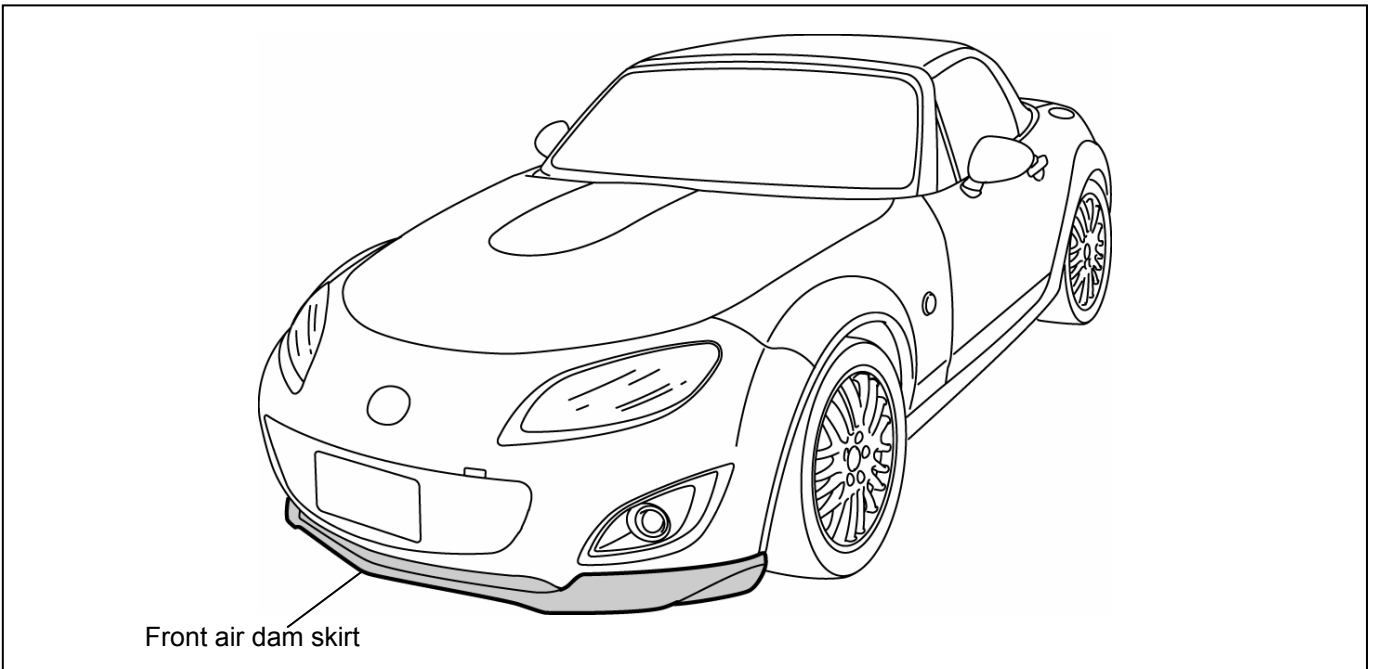
Parts list

NOTE

- 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
	Front air dam skirt	1		Tapping screw	2		Clip nut	2
	Bolt	6		U-nut	6		Nut	4
	Installation instructions	1						

Installation view

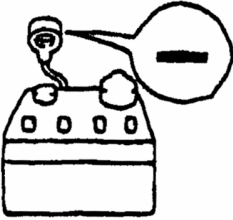
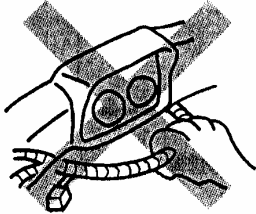



2. REQUIRED TOOLS

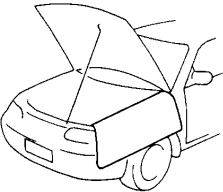
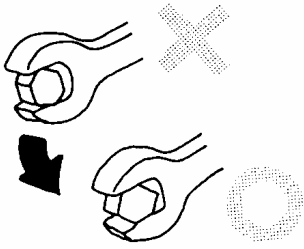
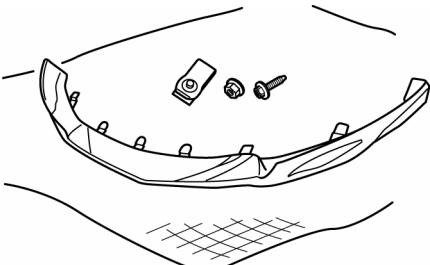
- ☆Screwdriver (Phillips)
- ☆Flathead screwdriver
- ☆Socket wrench (7, 8, 9, 10mm)
- ☆Fastener remover
- ☆Torque wrench
- ☆Soft clean cloth
- ☆Knife
- ☆Round file
- ☆Isopropyl alcohol (IPA)
- ☆Primer, Equivalent to 3M Adhesion Promoter 4298
- ☆Drill (3mm, 8mm)
- ☆Punch
- ☆Masking tape
- ☆Thread Sealer

3. BEFORE INSTALLATION

⚠ 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>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>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>Place the removed parts and components on a protective sheet or equivalent to avoid any damage on such parts / components.</p>	<p>Place the removed parts and kit accessories on a protective sheet to prevent scratches.</p>
		

⚠ WARNING

- 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.

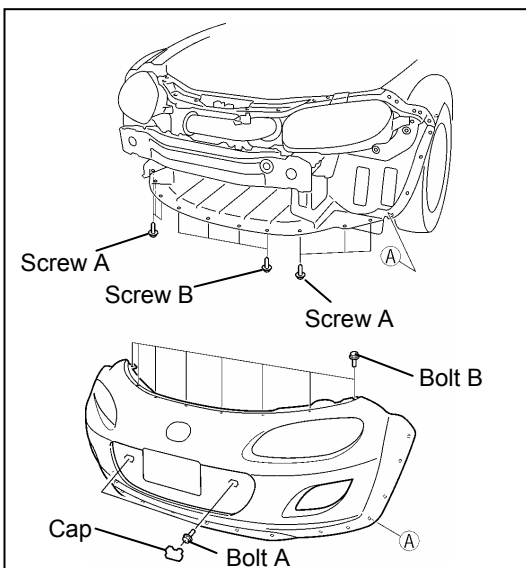
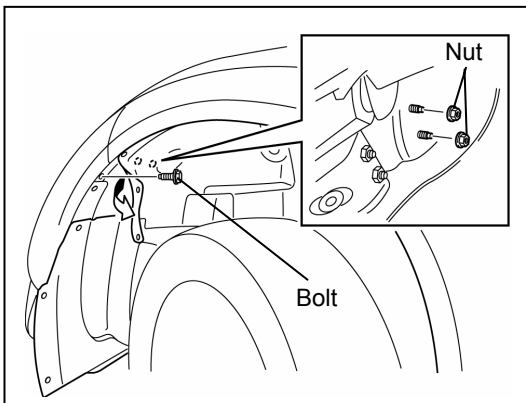
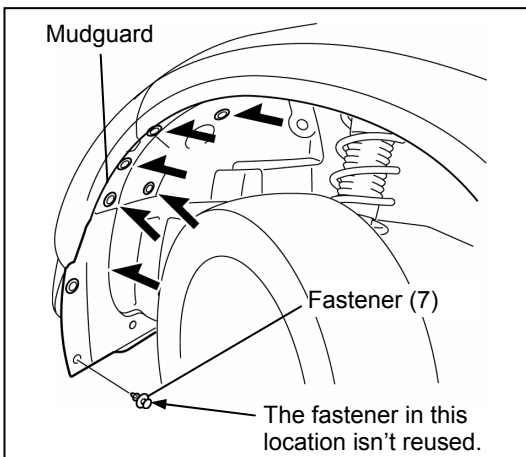
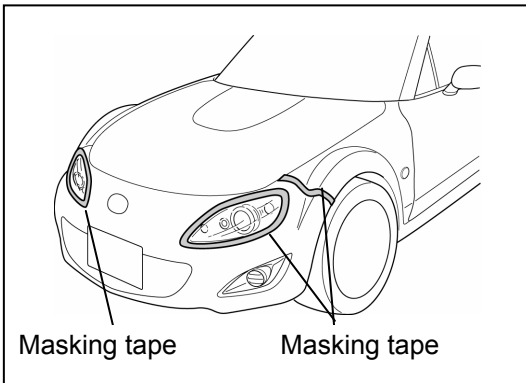
⚠ CAUTION

- 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.
- Make sure to use torque wrench to the specified torque when tightening bolt, nut and screws. Otherwise, failure attachment, breakage or damage to components may occur.

NOTE

- 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.

4. PART REMOVAL



Vehicle protection

1. Adhere masking tape to the fender area (RH and LH) and the rim of the headlights.

⚠ CAUTION

- The removed parts will be reused. Store the removed parts in a manner that facilitates remembering their installation positions, and be careful not to damage or lose them.
- Placed the removed bumper on a protective sheet to prevent scratches.

Front bumper removal

1. Disconnect the negative battery cable.
2. Remove the seven fasteners of the mudguard as shown in the diagram at left.
3. Turn over the mudguard and remove the bolt and the two nuts by following the procedure given at the left.

NOTE

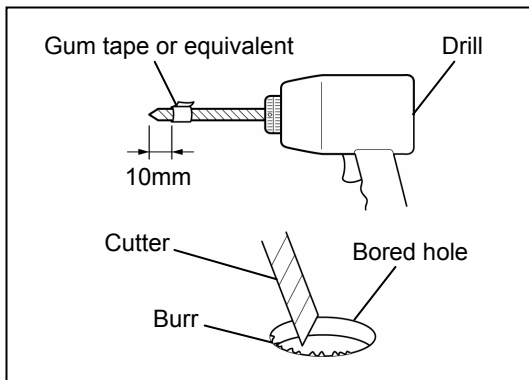
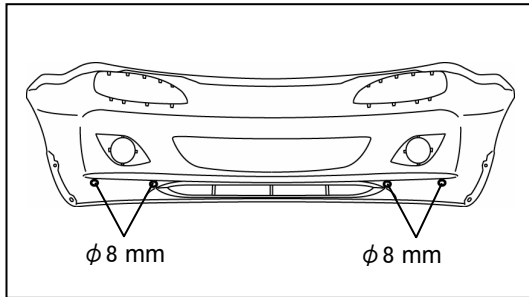
- The figure shows the left side, however, perform the same procedure for the right side.

4. Remove screws A (6), screws B (4).
5. Remove the cap, and then remove bolts A (2).
6. Remove bolts B (8), then pull the front cover outward to remove it.
7. Disconnect the fog light harness connector.
The fog light harness connector is connected to the dummy connector (vehicles non-equipped with fog lights).

⚠ CAUTION

- The removed parts will be reused. Store the removed parts in a manner that facilitates remembering their installation positions, and be careful not to damage or lose them.
- Placed the removed bumper on a protective sheet to prevent scratches.

5. FRONT AIR DAM SKIRT INSTALLATION



Making the front bumper holes

1. Place the front bumper onto a protective sheet.
2. Use a marker pen or similar to make marks on the front bumper in the marking-off positions (⊕), and then check the hole positions.
3. Use a punch or similar to make marks in the centres of the marking-off positions (⊕) on the front bumper, and then follow the procedure below to make holes for installing the front air dam skirt.

⚠ CAUTION

- Only make holes in the marking-off positions with a circle indicated (⊕). Do not make holes in the marking-off positions that are only indicated by a cross.

[Making the holes]

8 mm dia. (4 locations): Use a 3 mm dia. bit and then a 8 mm dia. bit to make the holes gradually larger.

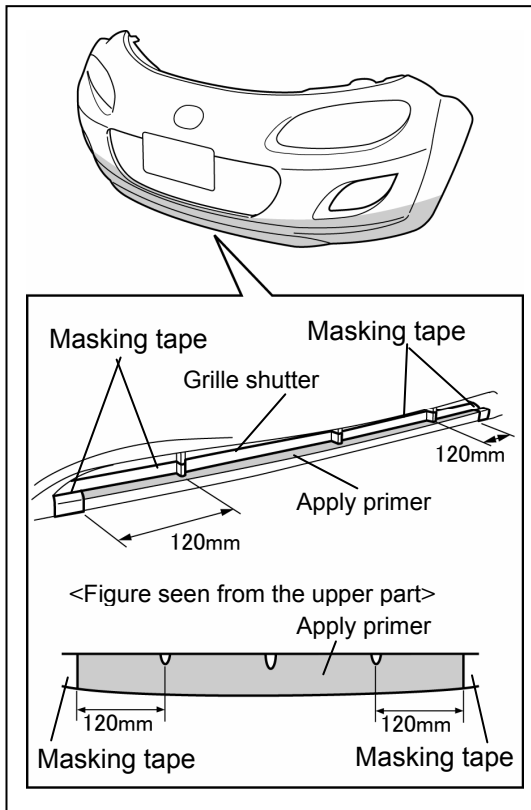
⚠ CAUTION

- Be careful to avoid injuries when using tools such as the drill and saw.
- Wind tape around the drill bit to prevent any damage to the bumper and to stop the drill from protruding through.

4. Use a file or similar tool to remove any burrs from the drilled holes.

⚠ CAUTION

- When removing burrs, be careful not to make the holes any larger than the specified diameters.
- If this is not observed, the front air dam skirt may not align correctly.



Front air dam skirt installation

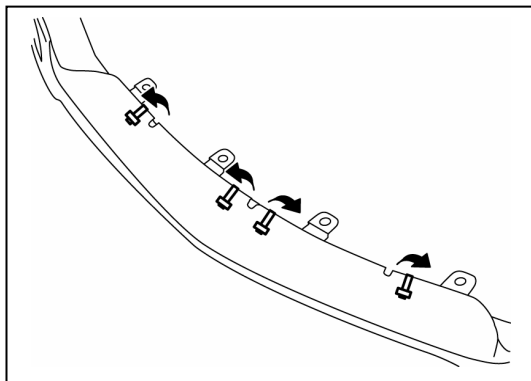
⚠ CAUTION

- Make sure the installation surfaces of the front air dam skirt on the front bumper are thoroughly wiped clean.

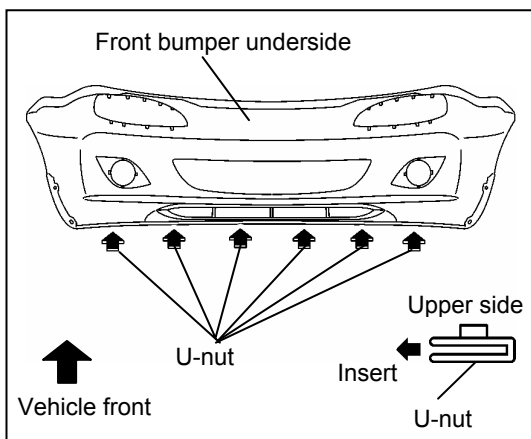
1. Mask the grille shutter and the grille, and then apply primer.

⚠ CAUTION

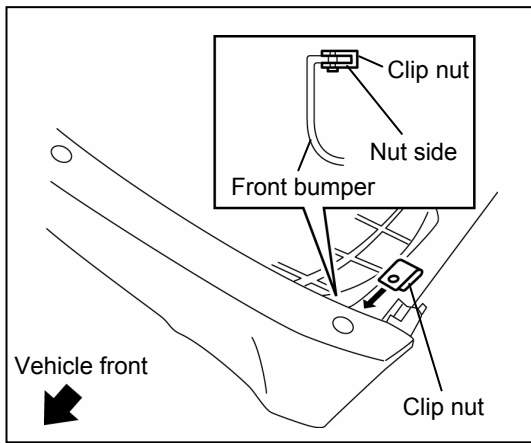
- If primer adheres to an area other than primer applicable areas, it could become discolored. Always apply primer carefully.



2. Slightly peel back the tape backing on the grille of the front air dam skirt and bend it upward (approx. 50 mm) and secure it using masking tape (4 locations).



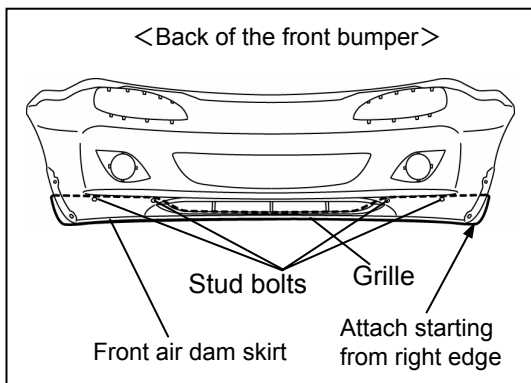
3. Replace the clip nuts (6) under the front bumper with the U-nuts included in the accessory kit.



4. Install the clip nuts (1 each side) to the holes under the left and right ends of the front bumper.

NOTE

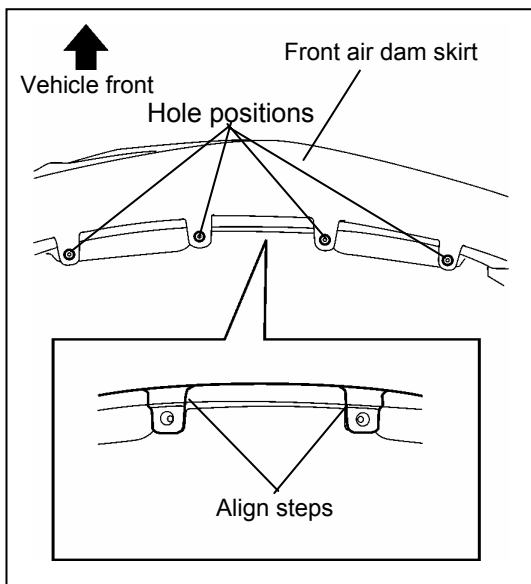
- The figure shows the right side, however, perform the same procedure for the left side.



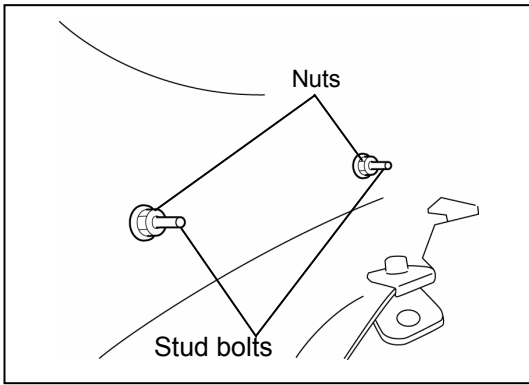
5. Assemble the front air dam skirt to the front bumper starting from the right edge, and fit the front air dam skirt to the grille inserting the stud bolts into the drilled holes.
(Assemble to the front bumper while opening the left edge outward.)

CAUTION

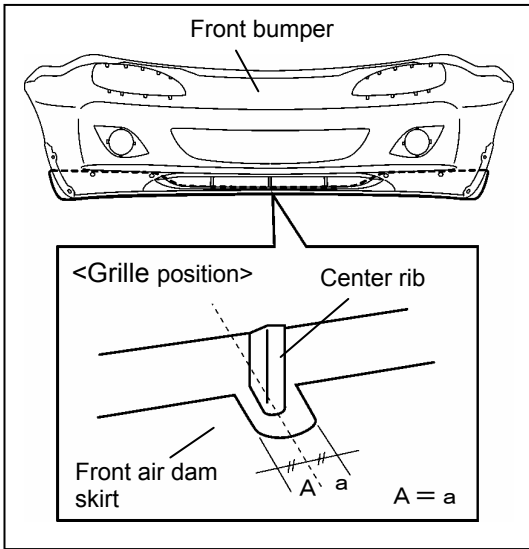
- Be careful not to get your fingers caught in between the front bumper and the front air dam skirt.
- Install the front air dam skirt to the front bumper without removing the stud bolt protective sleeve.



6. Align the front air dam skirt steps from the direction below the front bumper and verify that the hole positions align with the front bumper hole positions.



- Remove the stud bolt protective sleeve of the front air dam skirt, apply thread sealer to the stud bolts, and then temporarily tighten them using the nuts (left/right 4 locations).

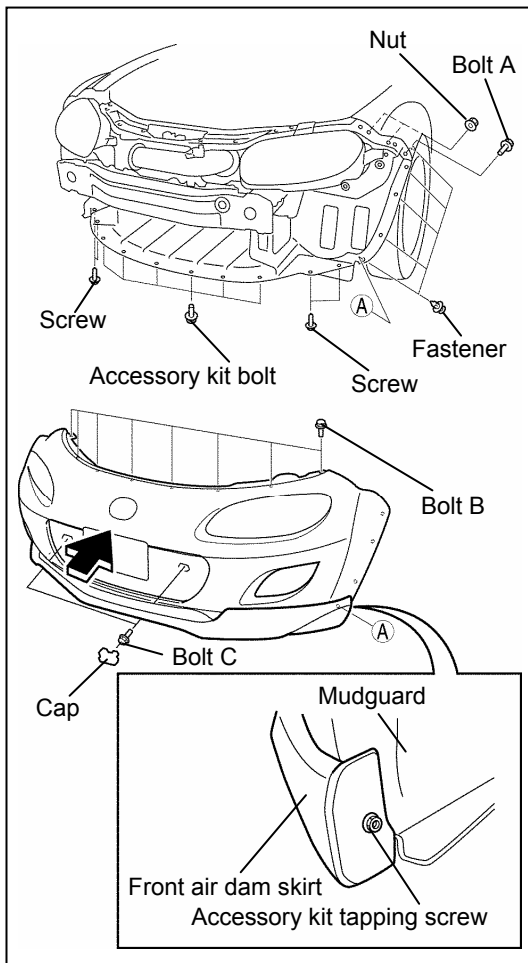


- When temporarily tightening the stud bolts, make sure the clearance on the left and right of the front air dam skirt is uniform by using the center rib of the grille as reference.
- Fully tighten the nuts that were provisionally tightened earlier, starting from the center and moving outward.

Tightening torque

Nut : 1.4–1.8 N·m {14–18 kgf·cm · 12–15 in·lbf}

6. PART INSTALLATION



1. After installing the front air dam skirt, install the bumper by carrying out the removal procedure in reverse.

Connect the fog lamp cables. (Vehicles with fog lamps only)

Front bumper

Nuts (2 each, left and right)

Tightening torque: 6.9–9.8 N·m

{70–100 kgf·cm · 61–86 in·lbf}

Bolts A (1 each, left and right)

Tightening torque: 4.9–7.9 N·m

{50–80 kgf·cm · 43–69 in·lbf}

Bolts B (4 each, left and right)

Bolts C (1 each, left and right)

Tightening torque: 7.8–11.8 N·m

{80–120 kgf·cm · 70–104 in·lbf}

Kit bolts (6)

Tightening torque: 4.3–4.7 N·m

{44–48 kgf·cm · 38–41 in·lbf}

Mudguard

Fasteners (5 each, left and right)

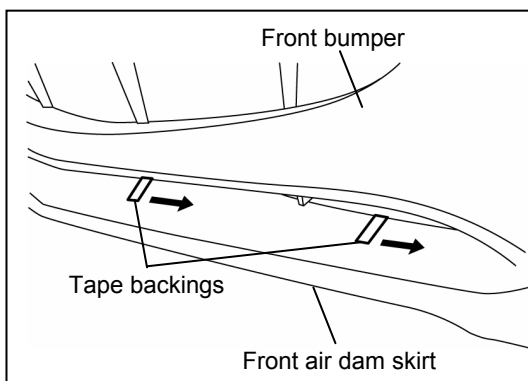
Accessory kit tapping screws (1 each, left and right)

Tightening torque: 2.1–2.7 N·m

{22–27 kgf·cm · 18–23 in·lbf}

⚠ CAUTION

- After completing the aiming adjustment, install fastener and screw.
- Make sure the bolt is tightened securely. Make sure to tighten to the specified torque. If tightened outside the specified torque, the air guide could be damaged or fall off.
- Do not wash the vehicle for at least 24 hours after affixing the taped areas.



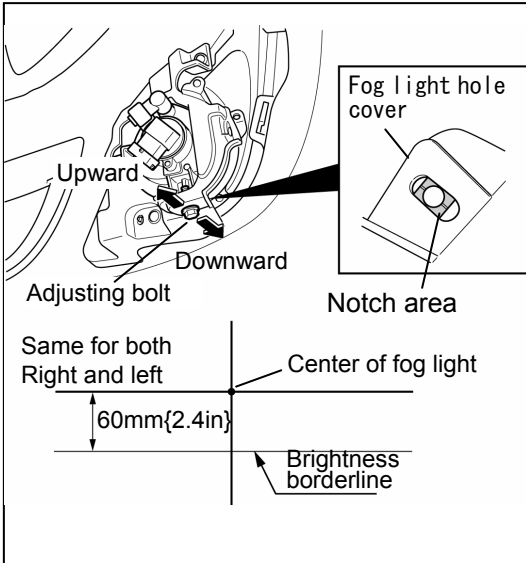
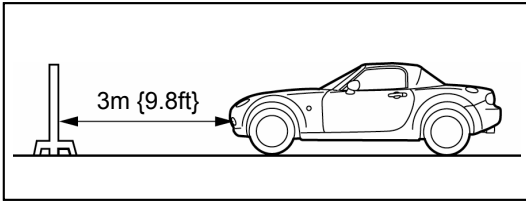
2. Peel off the grille tape backings (4 locations).

Securely affix the double-sided tape on the front air dam skirt to the front bumper.

⚠ CAUTION

- Keep the front air dam skirt slightly away from the front bumper to prevent the release-tape backing from being torn.
- Do not separate the taped areas once the tape has adhered, otherwise the subsequent adhesion performance will be greatly reduced.

7. FOG LIGHT AIMING



1. Adjust the tire pressure to the specification.
2. Position the unloaded vehicle on a flat, level surface.
3. Seat one person in the driver's seat.
4. Line up the headlights with the white screen at a distance of **3m {9.8ft}** apart.
5. Place an object in front of the fog light not being adjusted to block its light beam.
6. Start the engine so that the battery remains charged.
7. Turn the front fog light on.
8. Slightly bend back the undercover, temporarily remove the aiming adjustment bolt, and notch the fog light hole cover as shown in the figure.
9. Install the aiming adjustment bolt, adjust the fog light center to the position shown in the figure, and tighten the bolt.

Tightening torque

Adjusting bolt : 1.0–3.4 N·m

{10.0–34.0 kgf·cm · 8.9 – 30.0 in·lbf }

⚠ CAUTION

- Tighten the aiming adjustment bolt securely. Otherwise the aiming could deviate if the bolt loosens. Make sure to tighten to the specified torque. If tightened outside the specified torque, the fog light bezel could be damaged or fall off.

8. OPERATION CHECK

Connect the negative battery cable.

⚠ WARNING

- Before starting the engine, make sure nobody is in front or back of the vehicle, or in the engine compartment. If the vehicle were to move suddenly it could cause a serious accident.
- Do not start the engine in a place such as a garage or other location with poor air ventilation. Otherwise, poisoning or asphyxiation could result from accumulation of exhaust gas.

⚠ CAUTION

- Disconnecting the battery causes the DSC indicator light to become inoperable. (At this point, the DSC OFF indicator light flashes and the TCS/DSC indicator light is illuminated.)
- To restore the DSC to an operable condition, perform the following procedures:
 1. Turn the ignition switch to the ON position.
 2. Turn the steering wheel completely to the right and then completely to the left.
 3. Verify that the DSC OFF indicator light goes out.
 4. Turn the ignition switch off and then turn it to the ON position again.
 5. Verify that the TCS/DSC indicator light goes out.

If the TCS/DSC or DSC OFF indicator lights do not go out after turning the ignition switch to the ON position, consult your Mazda dealer.
- When the battery is disconnected, the windows will not fully open and close automatically. Perform the following procedure to resume operation:
 1. Turn the ignition switch to the ON position.
 2. Press the switch and fully open the window.
 3. Pull up the switch and continue holding for about 2 seconds to fully close the window.

INSTALLATION INSPECTION SHEET

MX-5

FRONT AIR DAM SKIRT

**NH52 V4 900
0000 8Y D01**

Inspection items after installation

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

Part	Check Item (○)			
	Clearance/Fit	Scratches/Dirt	Installation/ Engagement	Operation check
Front air dam skirt	○	○	○	
Mudguard	○	○	○	
Power window				○
Battery	○		○	
Fog light	○	○	○	○

Important check items

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

Page No.	Part name	Tightening torque	Check and write the tightening torque	Person in charge
Front air dam skirt installation Step 9 (8 page)	Nut	1.4 – 1.8 N·m	N·m	
Front bumper installation Step 1 (9 page)	Nut	6.9 – 9.8 N·m	N·m	
	Bolt A	4.9 – 7.9 N·m	N·m	
	Bolt B, Bolt C	7.8 – 11.8 N·m	N·m	
	Accessory kit bolt	4.3 – 4.7 N·m	N·m	
	Accessory kit tapping screw	2.1 – 2.7 N·m	N·m	
Aiming Step 9 (10 page)	Bolt	1.0 – 3.4 N·m	N·m	

Installation inspection sheet for front air dam skirt

Date				
VIN.				
Approved		Checked		Person in charge

The term of validity for this sheet: 12 months