

GENUINE

FRONT AIR DAM SKIRT



Using (Installation) Instructions

Thank you very much for buying the **Front Air Dam Skirt**.

To use it in its best conditions, you are expected to carefully read these using (installation) instructions for full understanding of the contents and to properly use it.

Please keep these instructions so that you can consult them every time you use the deflector.

Cautions and Requests

-  CAUTION and  WARNING marks shown in these instructions indicate safety precautions, which you are requested to strictly comply with during installation and use.
- Do not ever alter the product when installing it.
- Always avoid any installation and use that are not stated in these instructions.
- To avoid any improper installation, it is recommended to have the product installed at an exclusive Mazda dealer.
- Contact the dealer of your purchase for any further information you wish to know on the installation and use of the product and ensure you are in full understanding of the product before starting the installation or use.
- We may not accept the liability for any problems that might have occurred due to incompliance with these instructions.

1

PART NUMBER

F151 V4 900F

FE15 V4 900

APPLICABLE MODEL

RX-8

※ Contact the dealer for applicable models or any other information.

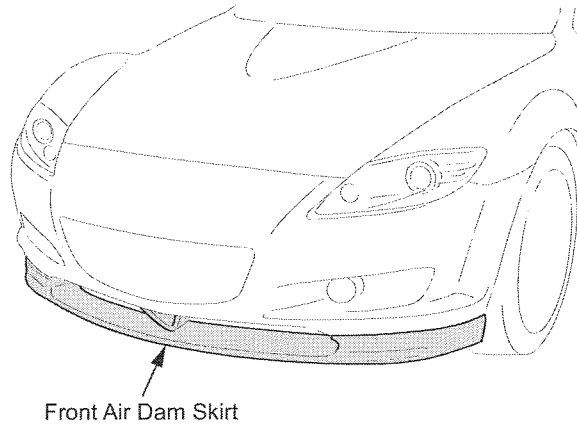
Request

Please ensure that these using (installation) instructions be delivered to the customer.

F151 PK 903 2003-04

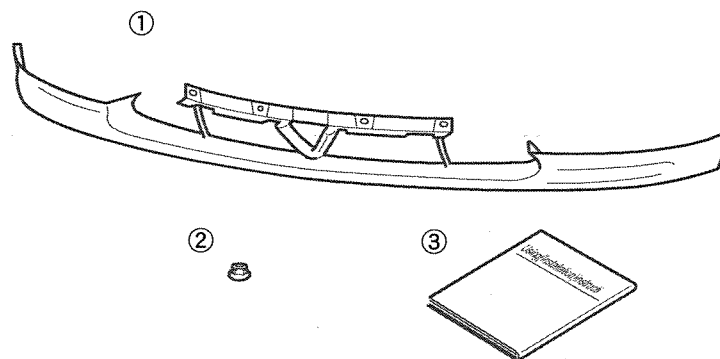
Mazda Motor Corporation

3-1, Shinchi, Fuchu-cho, Aki-gun Hiroshima

2**AS-COMPLETED VIEW****3****COMPONENTS****CAUTION**

Make sure that there is no missing component based on the following parts list and check the components for any dirt, scratches or other damage.

No.	Part name	Q'ty	Part number
①	Front air dam skirt	1	_____
②	Nut	6	99940 0502
③	Using (installation) instructions	1	_____



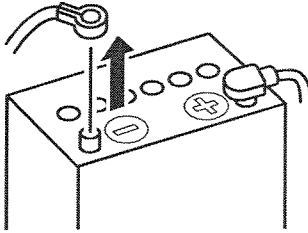
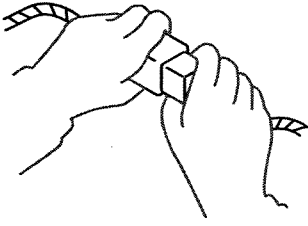
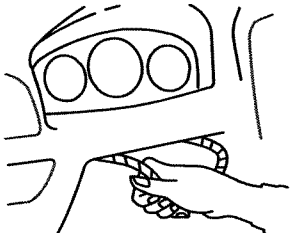
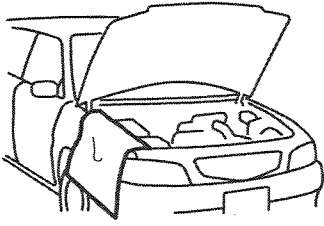
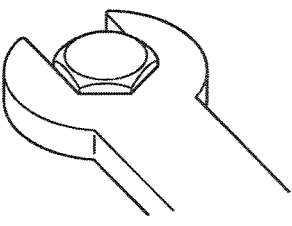
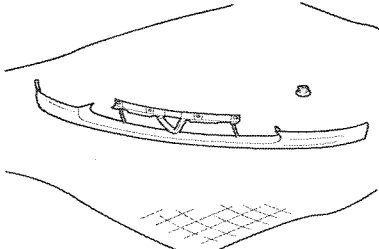
4

PREPARATORY WORK BEFORE INSTALLATION

Tools used (Have them ready at hand before starting the work.)

- ◆ Phillips-type screwdriver
- ◆ File
- ◆ Electric drill ($\phi 3\text{mm}$, $\phi 5\text{mm}$, $\phi 7\text{mm}$)
- ◆ Socket wrench and spanner (10mm), torque wrench (T20)
- ◆ Punch etc.
- ◆ Soft cloth (clean one)
- ◆ IPA (isopropyl alcohol) and white gasoline
- ◆ Plastic tape or equivalent
- ◆ Protective sheet
- ◆ Protective tape

CAUTION

<p>Disconnect the negative terminal of the battery before doing the work.</p>	<p>Hold the connectors when disconnecting/connecting them to ensure the disconnection/connection.</p>	<p>Avoid exercising excessive force when pulling a wiring harness.</p>
		
<p>Use a mat or any other protective material when removing/installing components.</p>	<p>Use right tools appropriate for the purpose and size of the work to be done to ensure proper execution of the work.</p>	<p>Place the removed parts and components on a protective sheet or equivalent to avoid any damage on such parts/components.</p>
		

Note

- Consult the service manuals for the vehicle for the instructions on the removal and installation of the vehicle components.

CAUTION

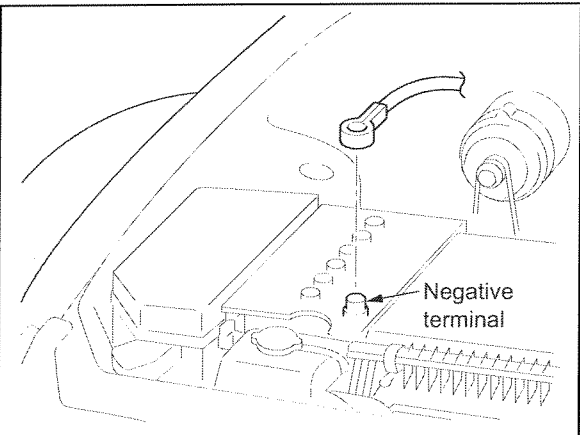
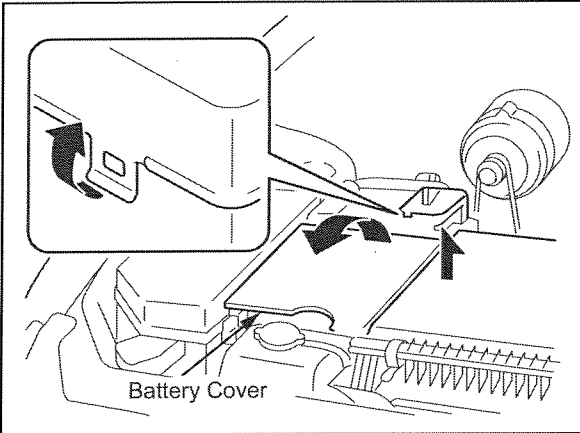
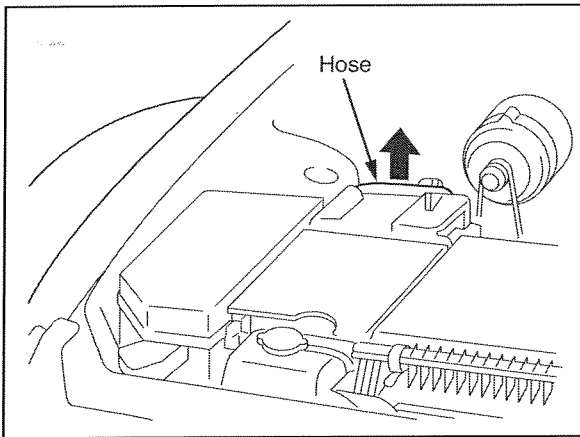
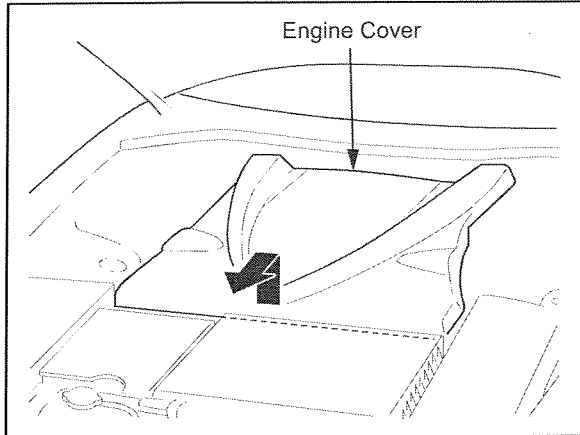
- When the negative terminal of the battery gets disconnected, the memory of clock, radio and trip counter will be erased. Record the memory contents before starting the work.

WARNING

- Be sure to disconnect the negative battery cable before performing removal or installation procedure. Otherwise, serious injury or damage to the vehicle may occur.
- Always apply the parking brake before performing operations.

5

DISCONNECTING THE BATTERY TERMINAL



DISCONNECTING THE BATTERY TERMINAL

1. Make sure that headlamp, air conditioner and other devices are switched off.
2. Remove the engine cover.

3. Remove the hose from the battery cover.

4. Lift the battery cover from the rear to remove it.

5. Disconnect the negative terminal.

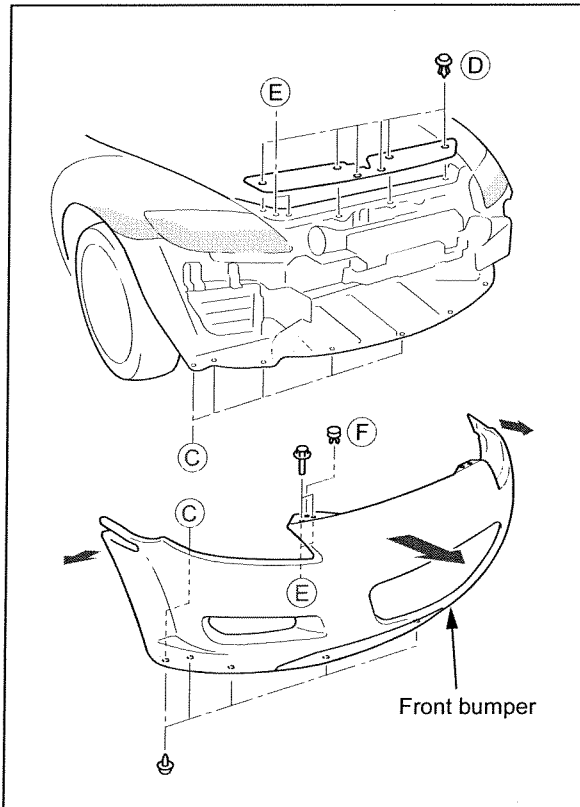
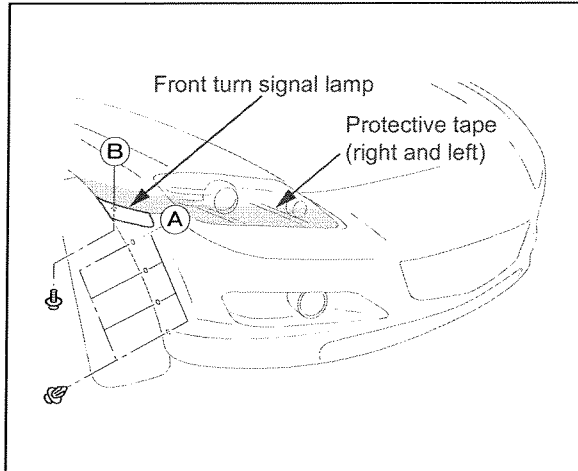


CAUTION

- When handling a battery, keep any source of fire away from it. Superheated gas from the battery may catch fire and may result in an explosion.

6

Removing the vehicle components



NOTE

- Since the removed components are to be reused when reassembling, keep them in a manner that will tell where to reinstall.



CAUTION

- Exercise sufficient care not to damage or lose the removed vehicle components.

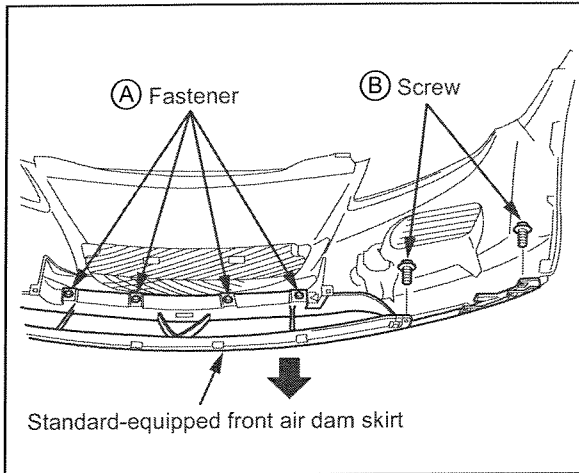
Removing front bumper

1. Apply protective tape to protect the vehicle body against scratches.
2. Remove the fasteners that retain the mud guard and curl up the mud guard.
 - Ⓐ Fastener (four for each of the left and right)
3. Remove screws that retain the front turn signal lamp and then disconnect the connector from the socket.
 - Ⓑ Screw (below the front turn signal lamp, one for each of the left and right)
4. Remove parts that retain the front bumper.
 - Ⓒ Screw (lower part of the vehicle, 10 pieces)
 - Ⓓ Fastener (upper part of the bumper, 6 pieces)
 - Ⓔ Bolt (upper part of the bumper, two for each of the right and left)
 - Ⓕ Fastener (right) (upper part of the bumper, one for each of the right and left)
5. Pull the front bumper forward to remove it.



CAUTION

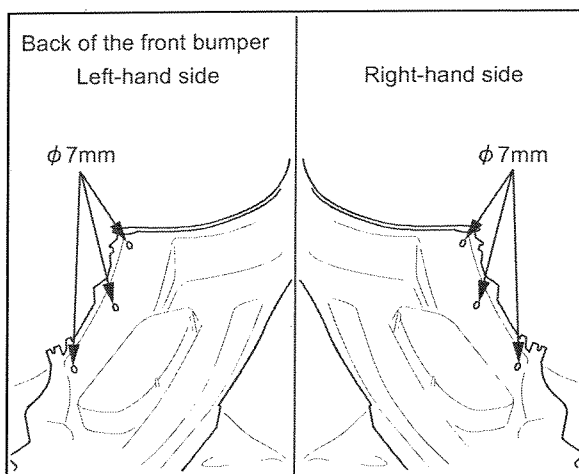
- If the vehicle is equipped with front fog lamps, disconnect the connectors of the front fog lamp.



Removing the standard-equipped front air dam skirt

1. Place the front bumper on protective sheet.
2. Remove fasteners and screws that retain the standard-equipped front air dam skirt.
 - Ⓐ Fastener (four pieces)
 - Ⓑ Screw (two for each of the left and right)
3. Pull the standard-equipped front air dam skirt from the back of the bumper to remove it.

7 Installing the front air dam skirt



Perforation on the front bumper

1. Place the front bumper on protective sheet
2. Perforate retaining holes as shown below for the installation of the front air dam skirt at the scribed positions of the front bumper.

[Perforating round holes] · · · φ7mm (at six locations)

Mark as by punching at the scribed center on the back of the front bumper and bore a hole from the back of the bumper.

Use φ3mm and φ7mm drills successively to perforate the hole.

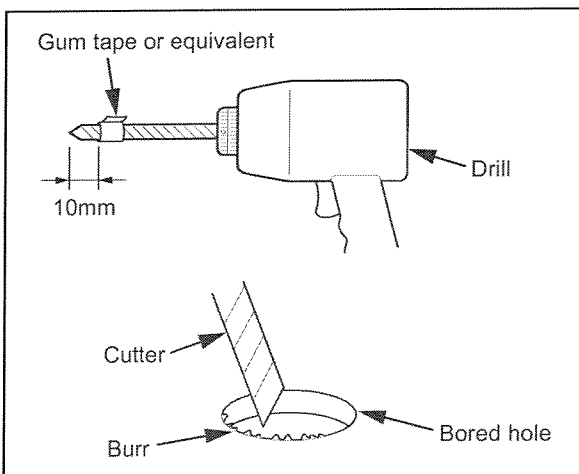
⚠ WARNING

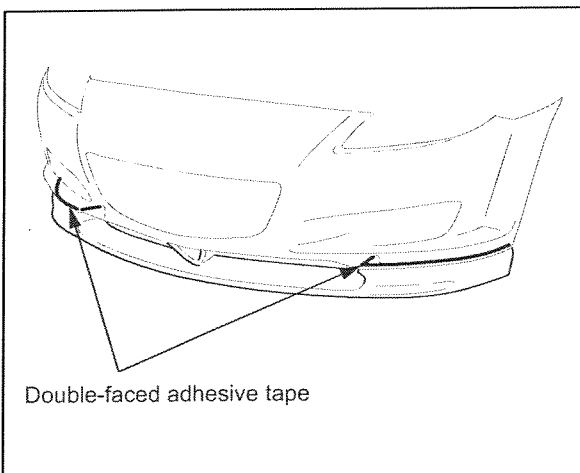
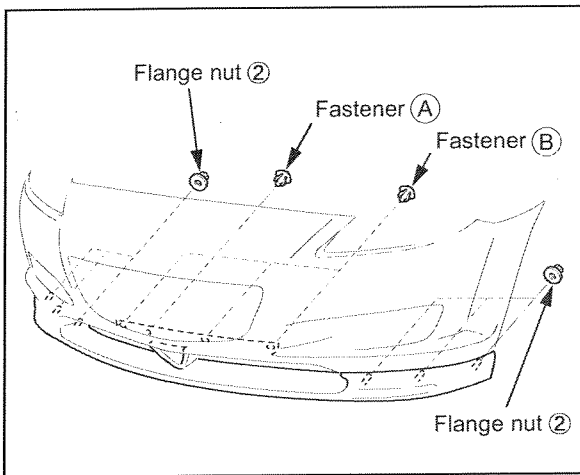
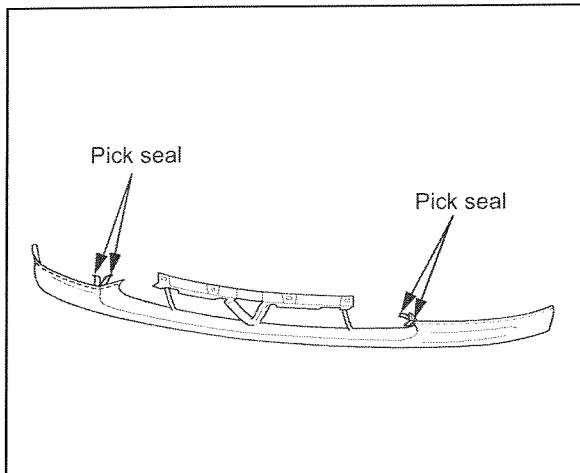
- Exercise sufficient care in handling drills and other cutting tools to avoid any personal injuries.
- To prevent any damage on the bumper and drilling through beyond the limit, always wrap the drill blade as with gum tape.

3. Remove burrs the edge of the bore as with cutter.

⚠ CAUTION

- When removing burrs, exercise care not to enlarge the hole diameter beyond the specification.
- Any incompliance may cause the misalignment of the front air dam skirt and other problems.





Installing the front air dam skirt

1. Bend the pick seals upward to facilitate peeling off. (at four points)

NOTE

- Wipe as with isopropyl alcohol the front bumper surface on which the front air dam skirt is to be stuck to remove any grease and dirt.

2. Retain the front air dam skirt onto the front bumper with fasteners that have been used to retain the standard-equipped front air dam skirt. (at four points)

Order of fastener installation

(A) Round hole (at one point)

(B) Slot (at three points)

3. Temporarily retain the front air dam skirt onto the front bumper with flange nuts ②. (at six locations)
4. Peel off the release-coated paper on the double-faced adhesive tape for the front air dam skirt.



CAUTION

- Keep the front air dam skirt slightly away from the front bumper to prevent the release-coated paper from being torn.

5. Ensure the fit with the front bumper and then press the front air dam skirt at the section of the double-faced adhesive tape to get it stuck sufficiently.



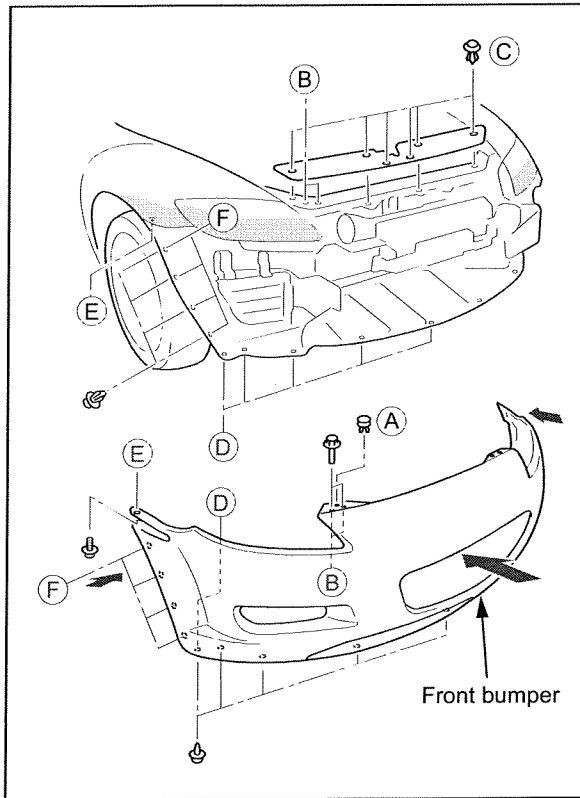
CAUTION

- To ensure the fit with the front bumper, pay particular attention to the corner rounds.
- Any peeling off of the product after getting it stuck will weaken the adhesive power. Avoid removing it once the press fitting has been completed.
- Avoid washing the vehicle body for 24 hours after the sticking on.

6. Fasten starting from the center outward the flange nuts ② that have been temporarily fastened. (at six locations)

Tightening torque : 1.2-2.0 Nm

Reinstalling the vehicle components



1. Once the front air dam skirt has been installed, reinstall the bumper and the front turn signal lamps in the reverse order of removing them.

- (A) Fastener (bright) (upper part of the bumper, one for each of the left and right)
- (B) Bolt (upper part of the bumper, two for each of the left and right)
Tightening torque : 7.8-11.8 N•m
- (C) Fastener (upper part of the bumper, 6 pieces)
- (D) Screw (lower part of the vehicle, 10 pieces) ;
Tightening torque : 1.0-1.5 N•m
- (E) Screw (below the front turn signal lamp, one for each of the left and right)
Tightening torque : 1.0-1.5 N•m
- (F) Fastener (four for each of the left and right)

⚠ CAUTION

- Please make fastening accurately.
- If you fasten with those torque other than specified, the front bumper might be broken or fallen off, therefore, please pay enough attention to make accurate fastening.

2. Re-connect the negative terminal of the battery.

⚠ CAUTION

If disconnected from the battery as during service, DSC will be disabled (which will be indicated by the flashing DSC OFF indicator light together with the illuminated TSC/DSC indicator light). To enable the DSC, carry out the following instructions:

1. Position the engine switch at ON.
2. Turn the steering wheel clockwise to its extreme and then counterclockwise again to its extreme.
3. Make sure that DSC OFF indicator light turns out.
4. Set the engine switch to the position OFF and then to ON again.
5. Check that TSC/DSC indicator light turns out.

If the TSC/DSC indicator light and DSC OFF indicator light will not turn out after turning the engine switch ON again, contact your Mazda dealer.

3. Reinstall the engine cover in the reverse of the procedure for removing it.

⚠ CAUTION

- When reinstalling the engine cover, make sure that the engine cover has been properly fitted.

== To the Customer ==

⚠ CAUTION

Do not ever put your foot on any of the aero parts while the car is at rest. It will involve a risk to your safety.

On any significantly bumpy road, drive slowly and carefully. Otherwise, the retaining section may be damaged.

Installation Inspection Sheet

[To be used by installation workshop]

RX-8	FRONT AIR DAM SKIRT
	F151 V4 900F FE15 V4 900

Inspection items after completion of the work

- Inspect the installed parts and removed-and-reinstalled parts with respect to the following items.

Section to be inspected	Inspection item (circle)				
	Gap / fit & finish	Scratch, stain, tape residue	Tightening & engagement	Function	Aiming adjustment
Front air dam skirt (kit components)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Front turn signal light	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Front fog light		<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Front bumper	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		

Rear under deflector installation inspection

Date		(year/month/day):			
VIN: No.					
Approved		Checked		Prepared	

※ Retention period of the sheet: 3 months