

GENUINE REAR UNDER 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 rear under skirt. Your safety depends on it.
Keep these instructions with your vehicle records for future reference.



- There are several **⚠WARNING** and **⚠CAUTION** sections in this booklet concerning safety when installing or removing the rear under 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 rear under skirt.
- Do not install the rear under 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: REAR UNDER SKIRT

PART NUMBER: NH52 V4 930

0000 8Y D08

VEHICLE: MX-5

NOTE

To the dealer

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

To the customer






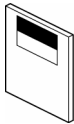
- Keep these instructions after installation. The instructions may be necessary for installing other optional parts or removal of this accessory.
- Should the vehicle or this accessory be resold, always leave these instructions with it for the next owner.

1. PARTS

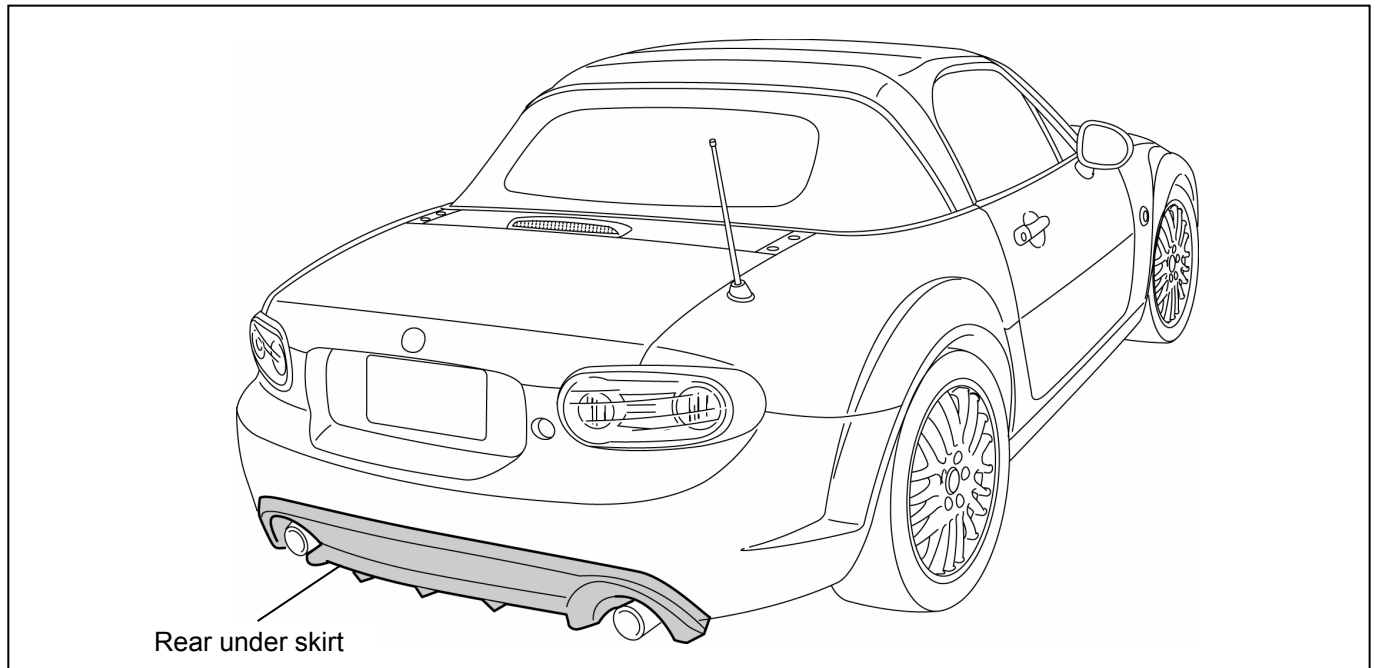
Parts list

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
	Rear under skirt	1		Nut	7		U – nut (Black)	4
	Bolt	4		Fastener	2		Installation instructions	1

Installation view



2. REQUIRED TOOLS

- ☆Screwdriver (Phillips)
- ☆Fastener remover
- ☆Cutter knife
- ☆Isopropyl alcohol (IPA)
- ☆Thread Sealer
- ☆Flathead screwdriver
- ☆Torque wrench
- ☆Round file
- ☆Torx wrench (T30)
- ☆Socket wrench (8, 9, 10mm)
- ☆Drill (3mm, 8mm, 9mm)
- ☆Soft clean cloth
- ☆Pushpin or TAC

3. BEFORE INSTALLATION

⚠ 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>Use the most appropriate (size, use) tool for each task and perform the may be damaged.</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

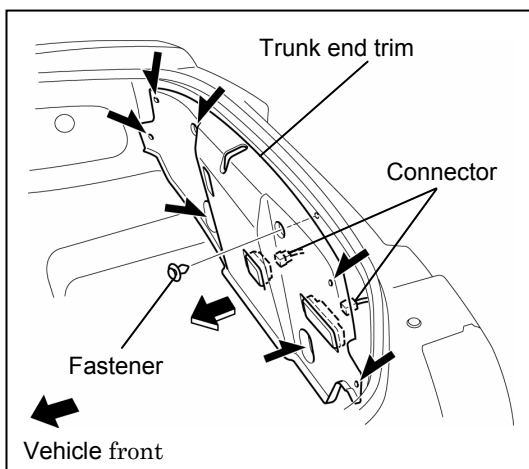
⚠ CAUTION

- 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.
- Always tighten bolts, nuts and screws with a torque wrench, and tighten to the specified torque. If tightened outside the specified torque, it could result in poor fit, damage to installed parts or other damage.

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

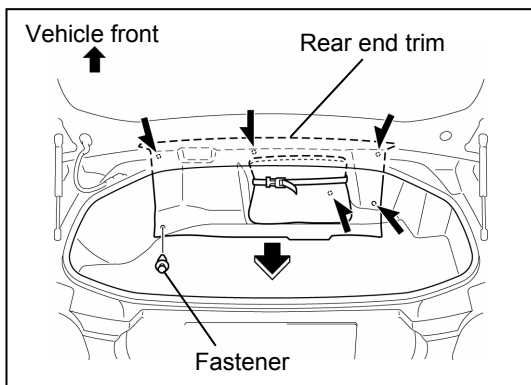


⚠ CAUTION

- 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.

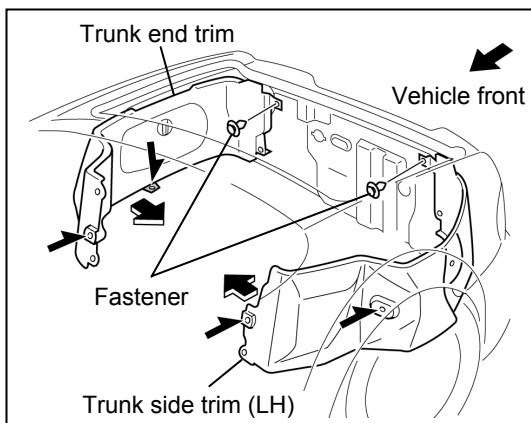
Trunk end trim removal

1. Disconnect the negative battery cable.
2. Remove the fasteners (8).
Disconnect the connectors on the underside of the trunk end trim (2 locations).
3. Remove the trunk end trim in the direction of the arrow.



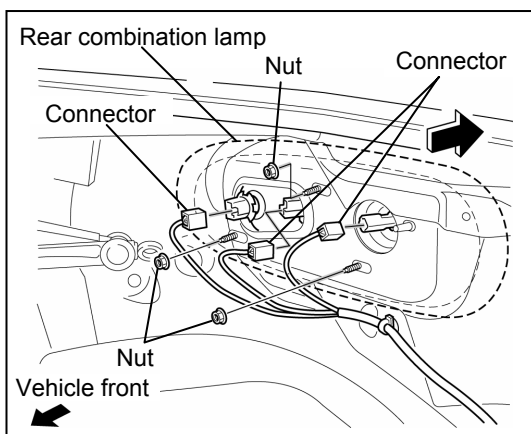
Rear end trim removal

1. Remove the tire puncture repair kit.
2. Remove the fasteners (6).
3. Remove the rear end trim by pulling it in the direction of the arrow.



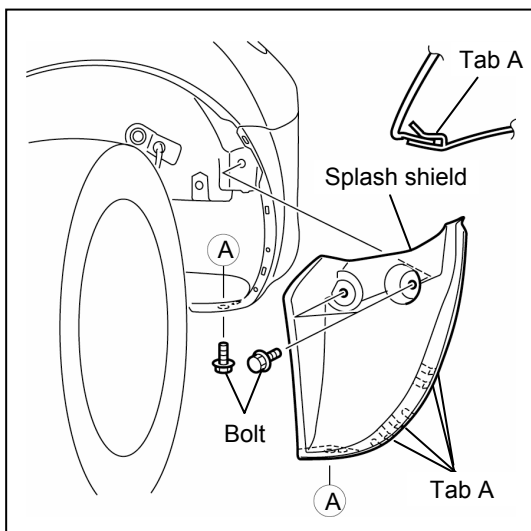
Trunk side trim removal (L.H., R.H.)

1. Remove the fasteners (3) for the trunk side trim (R.H.) and the fasteners (3) for the trunk side trim (L.H.), and then remove the trunk side trim (R.H.) and trunk side trim (L.H.) by pulling it in the direction of the arrow.



Rear combination lamp removal (L.H., R.H.)

1. Remove the nuts (3) and disconnect the connectors (3 locations) on the underside of the rear combination lamp.
2. Remove the rear combination lamp by pulling it in the direction of the arrow.

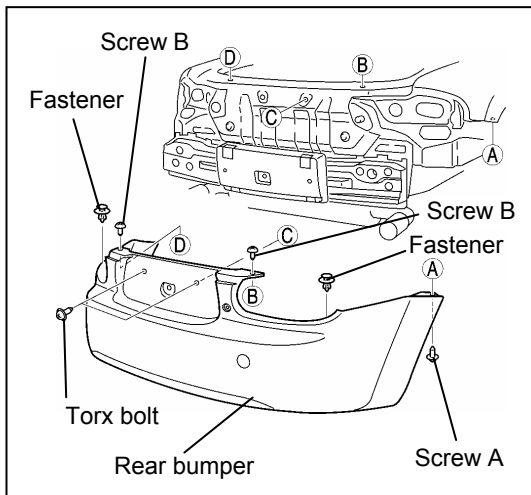


Splash shield removal

1. Remove the splash shield installation bolts (3).
2. Pull the splash shield inward and disengage the tabs (4 locations), and then remove the splash shield.

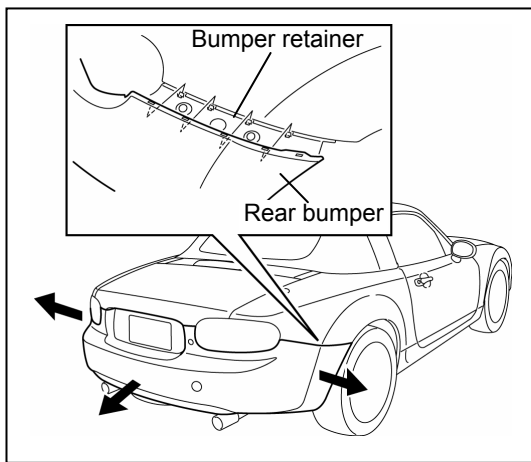
NOTE

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



Rear bumper removal

1. Remove the screws A (one each at left and right), torx bolts (2), screws B (one each at left and right) and the fasteners (one each at left and right).

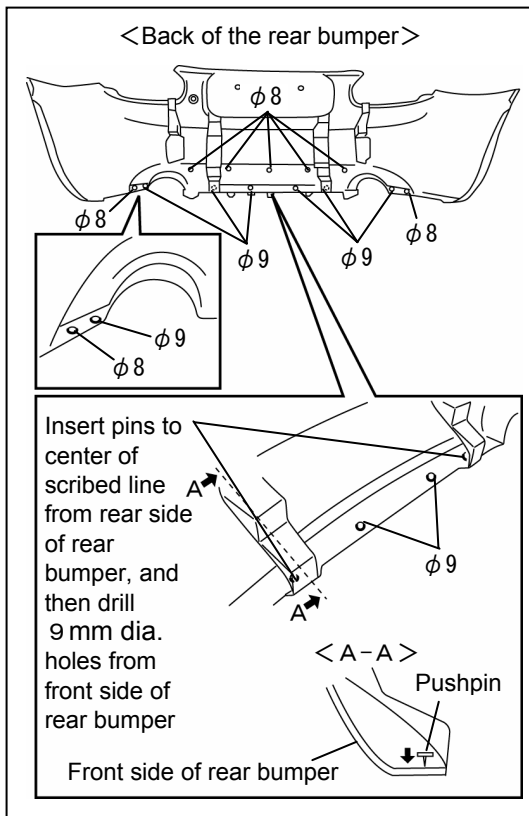


2. Pull the front of the rear bumper toward the outside to disengage the rear bumper from the bumper retainer, and then remove the rear bumper from the vehicle.

CAUTION

- Be careful not to drop the rear bumper when disengaging it.

5. REAR UNDER SKIRT INSTALLATION



Making the rear bumper holes

1. Place the rear bumper onto a protective sheet.
2. Use a marker pen or similar to make marks on the rear 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 rear bumper, and then follow the procedure below to make holes for installing the rear under 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]

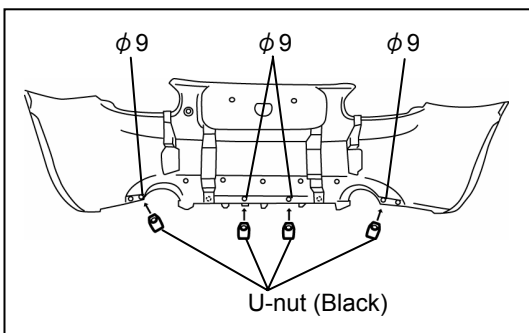
8mm dia. (7 locations), 9mm dia. (6 locations)

8 mm dia. Holes: Use a 3 mm dia. bit and then a 8 mm dia. bit to make the holes gradually larger.

9 mm dia. holes: Use a 3 mm dia. and 9 mm dia. bit to make the holes gradually larger.

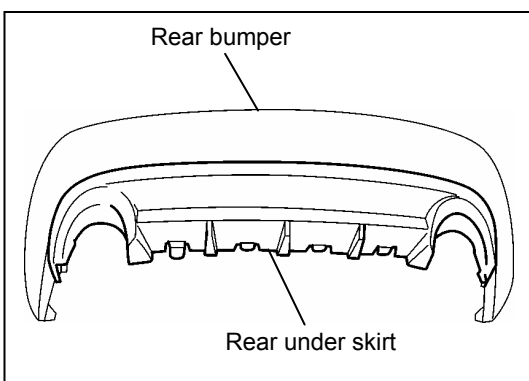
⚠ CAUTION

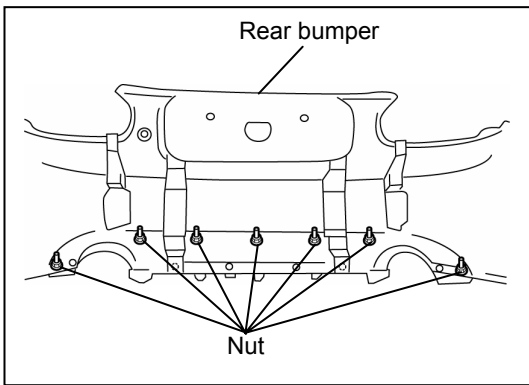
- Be careful to avoid injuries when using tools such as the drill and saw.
- Wind tape around the drill bit to prevent any damage to the bumper and to stop the drill from protruding through.



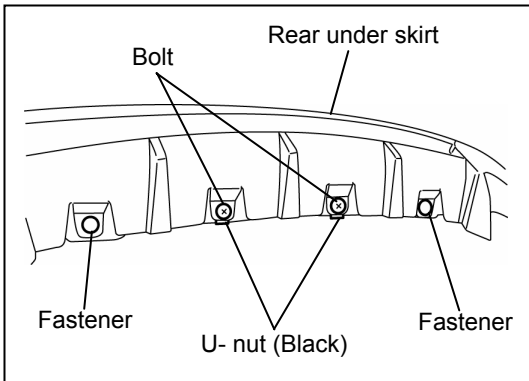
Rear under skirt installation

1. Install the U-nuts (Black) (4) to the rear bumper (hole positions 9 mm dia.).
2. Install the rear under skirt to the rear bumper.





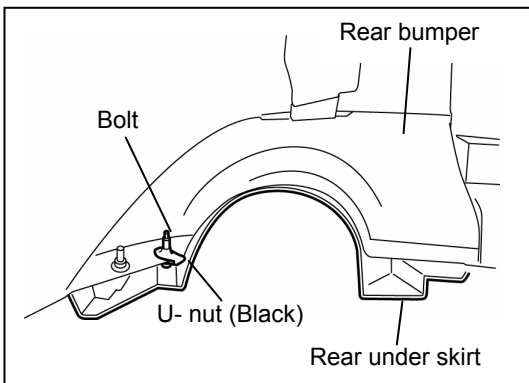
3. Apply thread sealer to the stud bolts, and then temporarily tighten them using the nuts (7 locations).



4. Secure the underside of the rear under skirt using the bolts (with U- nuts (Black)) (2 locations) and the fasteners (2 locations).

Tightening torque

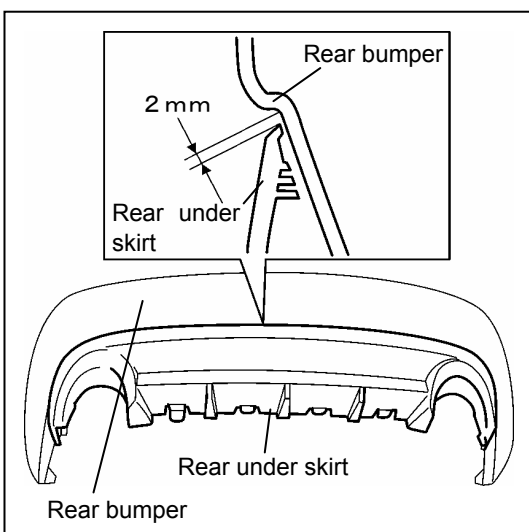
Bolts : 4.3—4.7 N·m {44—48 kgf·cm · 38—41 in·lbf}



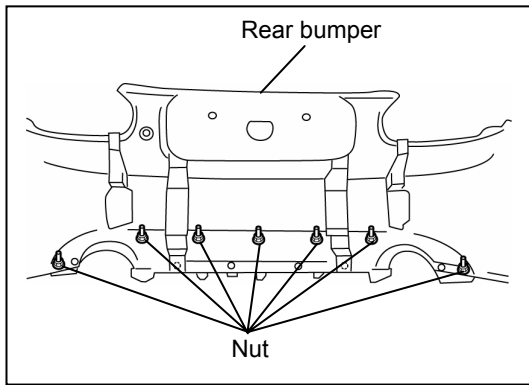
5. Secure the rear under skirt edge side to the U nut (Black) using the bolt.

Tightening torque

Bolt2 : 4.3—4.7 N·m {44—48 kgf·cm · 38—41 in·lbf}



6. Adjust the clearance between the rear bumper line and the rear under skirt by loosening the bolts and the nuts so that the clearance is consistently at approx. 2 mm all around.

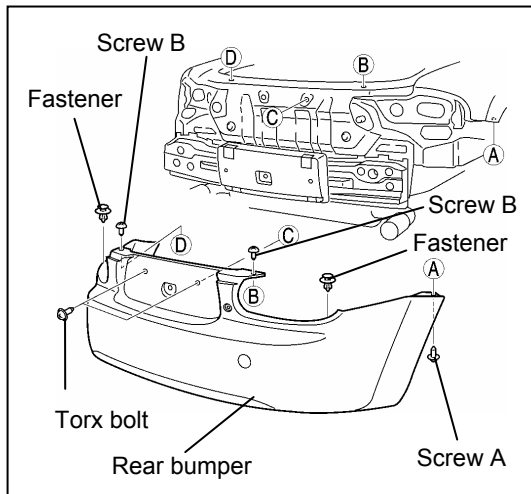


- Moving from the center outward, fully tighten the nuts (7 locations) which were temporarily installed to the rear under skirt.

Tightening torque

Nuts : 1.4–1.8 N·m {21.0–29.0 kgf·cm · 12–15 in·lbf}

6. PART INSTALLATION



- After installing the rear under skirt, install the removed components by carrying out the procedure in "4. PART REMOVAL" in reverse.

Screw A

**Tightening torque : 1.0–1.5 N·m
{11–15 kgf·cm · 8.8–13 in·lbf}**

Screw B

**Tightening torque : 1.0–1.5 N·m
{11–15 kgf·cm · 8.8–13 in·lbf}**

Torx bolt

**Tightening torque : 7.9–10.8 N·m
{81–110 kgf·cm · 69–95 in·lbf}**

7. 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:
 - Turn the ignition switch to the ON position.
 - Turn the steering wheel completely to the right and then completely to the left.
 - Verify that the DSC OFF indicator light goes out.
 - Turn the ignition switch off and then turn it to the ON position again.
 - 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:
 - Turn the ignition switch to the ON position.
 - Press the switch and fully open the window.
 - Pull up the switch and continue holding for about 2 seconds to fully close the window.

INSTALLATION INSPECTION SHEET

MX-5

REAR UNDER SKIRT

**NH52 V4 930
0000 8Y D08**

Inspection after installation

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

Inspection Parts	Check Item (O)			
	Clearance/Fit	Scratches / Dirt	Installation / Engagement	Operation check
Rear under skirt	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Trunk end trim	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Rear end trim	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Trunk side trim	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Rear combination lamp	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rear bumper	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Power window				<input type="radio"/>
Battery	<input type="radio"/>		<input type="radio"/>	

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
Rear under skirt installation Step 4, 5 (7 page)	Bolt	4.3–4.7 N·m	N·m	
Rear under skirt installation Step 7 (8 page)	Nut	1.4–1.8 N·m	N·m	
Rear bumper installation Step 1 (8 page)	Screw A	1.0–1.5 N·m	N·m	
	Screw B	1.0–1.5 N·m	N·m	
	Torx bolt	7.9–10.8 N·m	N·m	

Installation inspection sheet for rear under skirt

Date				
VIN.				
Approved		Checked		Person in charge

The term of validity for this sheet: 12 months