

GENUINE REAR UNDER SKIRT

Using Instructions

Applicable model: MX-5

Part Number : NF51 V4 930F

Thank you very much for buying the Mazda Genuine Parts.

Before removal and installation, you are expected to carefully read these instructions.

To use it in its best conditions, be sure to read thoroughly read these instructions for full Understanding of the contents and to properly use it.

< Cautions and Requests >

- ⚠ CAUTION and ⚠ WARNING marks shown in these instructions indicate safely precautions, which you are requested to strictly comply with during installation and use.

⚠ 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 in if the caution is ignored.

- Do not install the rear under spoiler in any way other than described in the following instructions.
- Do not modify the rear under spoiler.
- To ensure safety and reliability of the work, installation, removal and disposal work must be carried out by an authorized Mazda Dealership.
- If you have any questions about the use of the accessory, ask your Mazda dealer for proper advice before using it.
- We may not accept the liability for any problems that might have occurred due to incompliance with these instructions.
- Be careful not to lose removed parts, and be sure they are kept free from scratches, grease or other dirt.

To the dealer

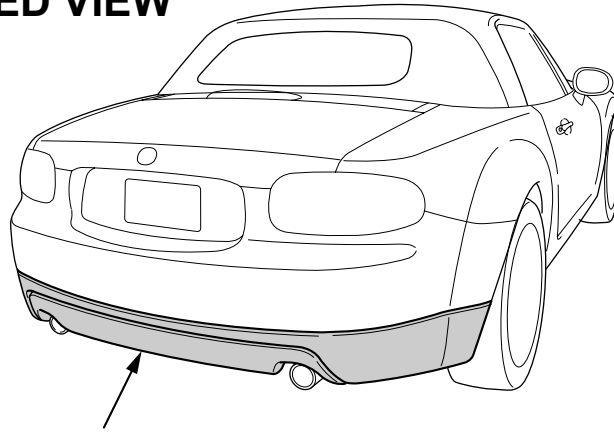
Please turn over these instructions to the customer after installation.

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

AS-COMPLETED VIEW

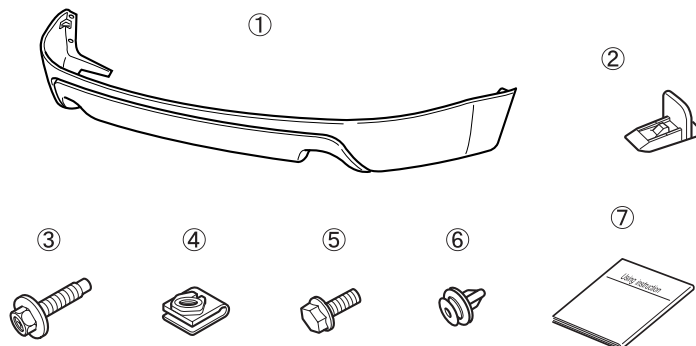
REAR UNDER SKIRT

2

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	Rear under bumper	1	_____
②	Clip	4	_____
③	Flange bolt	10	9079 60 616
④	Clip nut	4	B092 51 861
⑤	Bolt	4	9YA0 10 502
⑥	Fastener	2	GD7A 50 EA1
⑦	Using instructions	1	_____




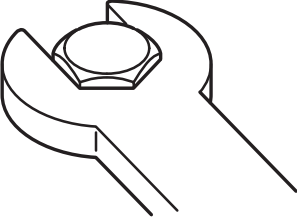
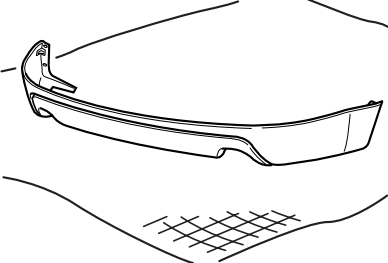
3

PREPARATORY WORK BEFORE INSTALLATION

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

- ◆ Phillips screwdriver
- ◆ Flathead screwdriver
- ◆ Socket wrench (10 mm)
- ◆ Fastener remover
- ◆ Torque wrench
- ◆ Electric drill (ϕ 3mm, ϕ 8mm, ϕ 10mm, ϕ 18mm)
- ◆ File, Cutter etc.
- ◆ Soft cloth, Protective sheet
- ◆ Isopropyl alcohol (IPA) or white gasoline
- ◆ Punch etc.

CAUTION

Use a mat or any other protective material when removing/installing components. Otherwise, breakage of components may occur.	Place the removed parts and components on a protective sheet or equivalent to avoid any damage on such parts / components.	Place the removed parts and components on a protective sheet or equivalent to avoid any damage on such parts/components.
		

Note

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

WARNING

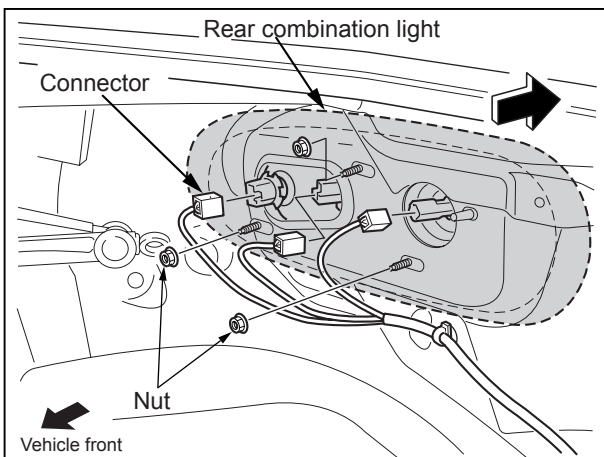
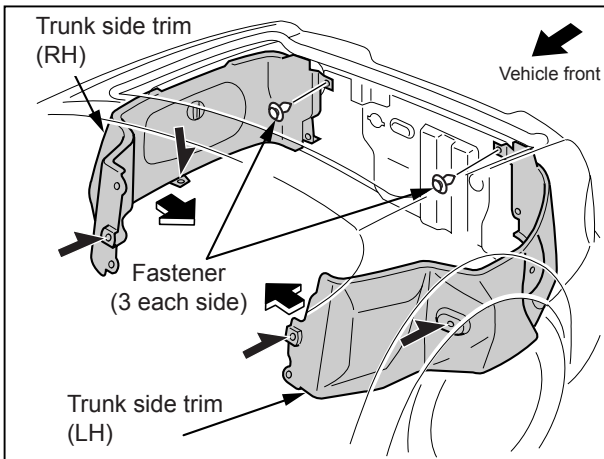
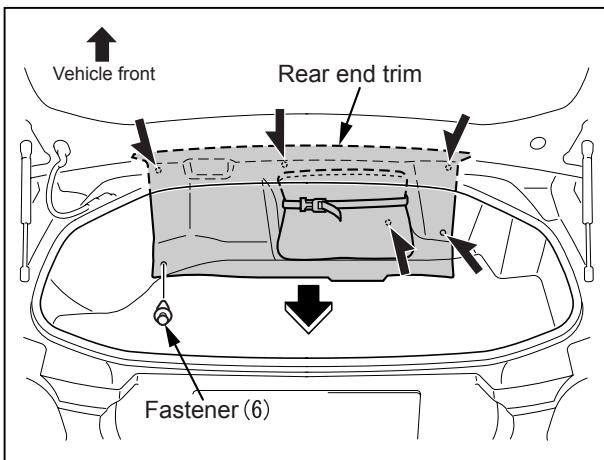
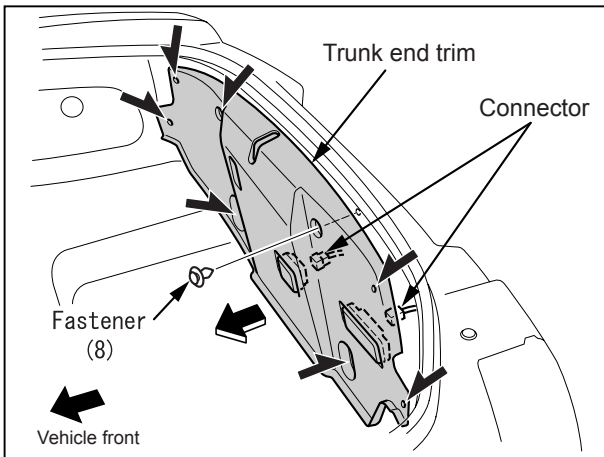
- Make sure that operation is carried out on the level ground with the P range, parking brake and chock block set.

CAUTION

- 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.

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REMOVING THE VEHICLE COMPONENTS



CAUTION

- The removed components will be reused, so look after them carefully so that the reassembly positions will be clear later on.
- Place any removed components on protective sheeting so that they will not become damaged.

Trunk end trim removal

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

Rear end trim removal

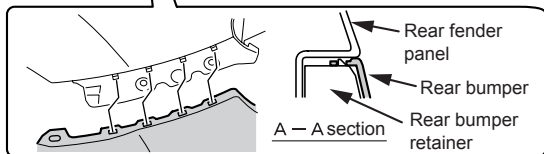
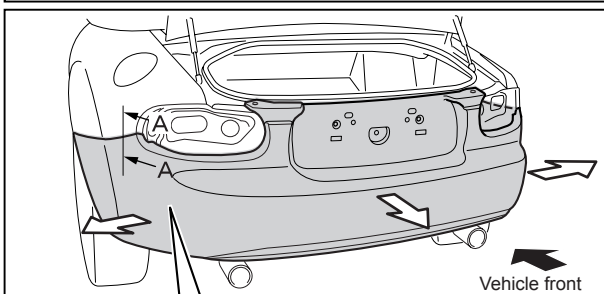
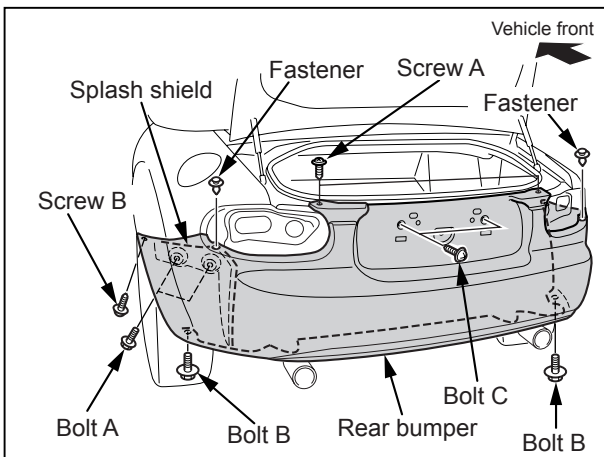
1. Remove the six fasteners
2. Remove the rear end trim by pulling it in the direction of the arrow.

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

1. Remove the three fasteners for the trunk side trim (R.H.) and the three fasteners 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 three nuts and disconnect the connectors (three places) on the underside of the rear combination lamp.
2. Remove the rear combination lamp by pulling it in the direction of the arrow.



Rear bumper removal

1. Remove the bolts A (two each at left and right), bolts B (one each at left and right) and then remove the splash shield.
2. Remove the screw A (one each at left and right), bolts C (one each at left and right), screws B (one each at left and right) and the fastener (one each at left and right).
3. 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.

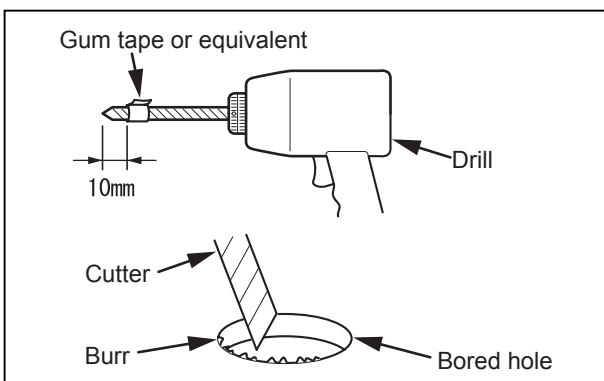
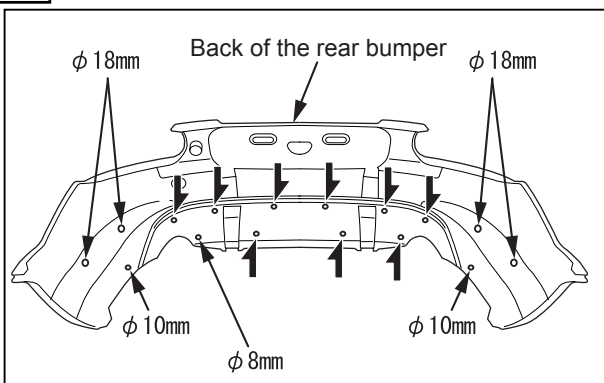


CAUTION

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

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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 (\oplus), and then check the hole positions.
3. Use a punch or similar to make marks in the centres of the marking-off positions (\oplus) on the rear bumper, and then follow the procedure below to make holes for installing the rear under skirt.

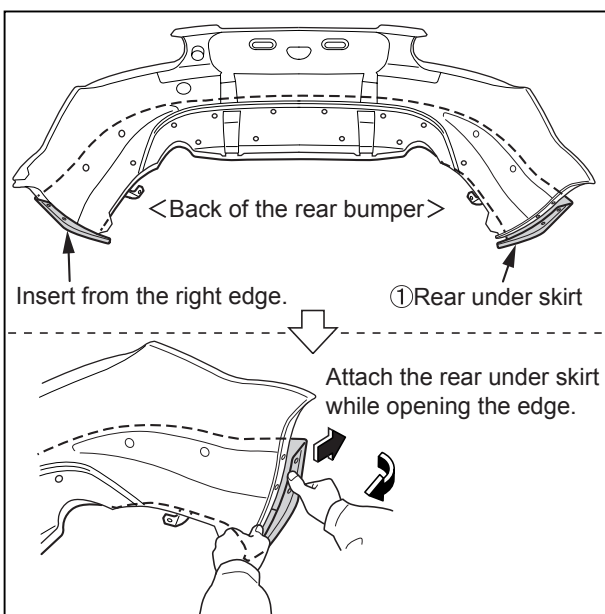
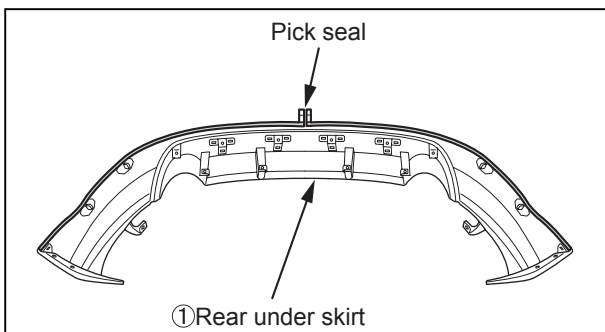
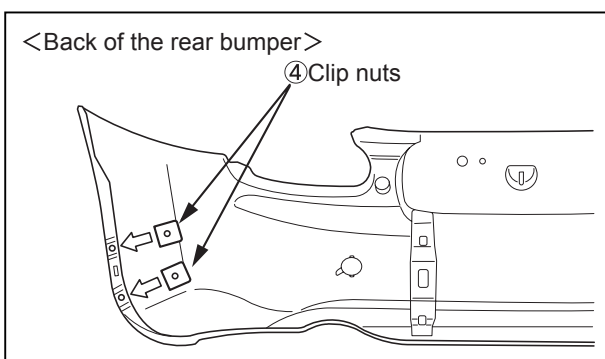
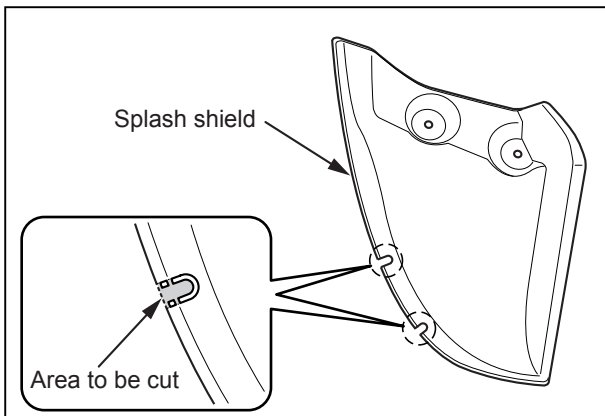


CAUTION

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

[Making the holes]

- 8mm dia. (10 places), 10mm dia. (2 places), 18mm dia. (4 places)
- 8 mm dia. Holes : Use a 3 mm dia. bit and then a 8 mm dia. bit to make the holes gradually larger.
- 10 mm dia. holes: Use a 3 mm dia. bit and then a 10mm dia bit to make the holes gradually larger.
- 18 mm dia. holes: Use a 3 mm dia. bit and then a 8 mm dia. and 18 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 rear under skirt may not align correctly.

Making the splash shield holes

1. Use a cutting knife to make mounting holes in the splash shield (two places each at left and right).

NOTE

- Only the right-hand side is shown here, but make holes in the left-hand side in the same way.

Rear under skirt installation

1. Install the clip nuts ④ to the rear bumper (two each at left and right).
2. Bend the pick seal upward (two places) to make them easier to peel off.

NOTE

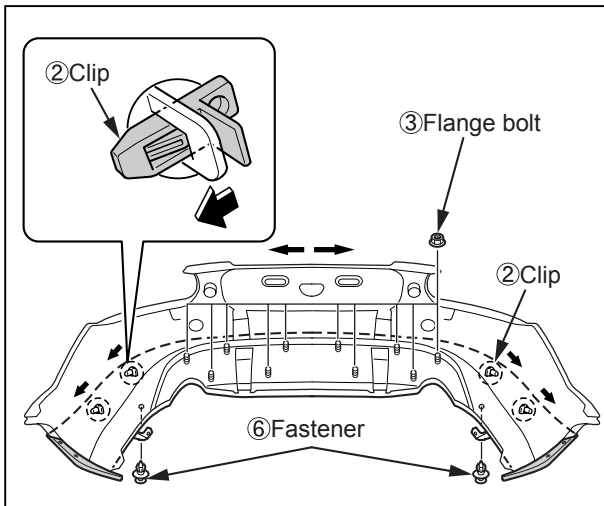
- Use isopropyl alcohol or similar to clean the rear bumper to remove any dirt or grease from the place where it is to be installed to the rear under skirt.

3. Insert the rear bumper into the right end of the rear under skirt ① as shown in the diagram at left, and then insert the fasteners one by one into the holes in the rear bumper.

4. While opening the left end toward the outside, attach the rear under skirt to the rear bumper.

CAUTION

- Be careful not to get your fingers caught in between the rear bumper and the rear under skirt.



5. Provisionally tighten the ten flange bolts ③ from the center to the outside to secure the rear under skirt ① to the rear bumper.
6. Insert the clips ② (two each at left and right) from the center to the outside (in the directions of the arrows) to secure the rear under skirt.

CAUTION

- Make sure that the corner R section is set correctly when fitting the rear under skirt to the rear bumper.

7. Install the fasteners ⑥ (one each at left and right).
8. Peel off the release coated paper of the rear under skirt ①.

CAUTION

- Keep the rear under skirt slightly away from the rear bumper to prevent the release-coated paper from being torn.

9. Crimp the double-sided adhesive tape of the rear under skirt ①, fully aligning with rear bumper.
10. Tighten the flange bolt ③ (10 each at left and right) that is temporarily tightened in order from the one at center to the outside.

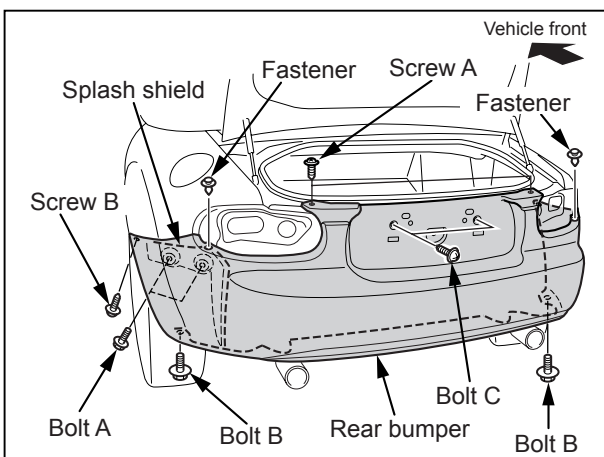
Tightening torque

③ Flange bolt : 1.2~2.0 N · m

CAUTION

- Do not separate the taped areas once the tape has adhered, otherwise the subsequent adhesion performance will be greatly reduced.
- Do not wash the vehicle for at least 24 hours after affixing the taped areas.

6 REINSTALLING THE VEHICLE COMPONENTS



1. After installing the rear under skirt, install the removed components by carrying out the procedure in "4. REMOVING THE VEHICLE COMPONENT" in reverse.

1. Rear bumper

Bolts A **Tightening torque:** 1.0~1.5 N.m

Check that the splash shield and rear bumper are engaged and secure them together. (Refer to the diagram at left.)

Screw A **Tightening torque:** 1.0~1.5 N.m

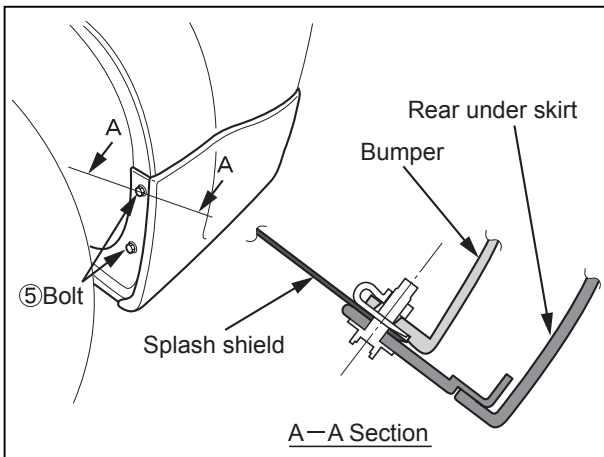
Bolts B **Tightening torque:** 1.0~1.5 N.m

Bolts C **Tightening torque:** 7.9~10.8 N.m

Bolts ⑤ **Tightening torque:** 1.0~1.5 N.m

CAUTION

- Before inserting the rear bumper into the retainer, insert the wheel arch sections of the splash shield in between the rear bumper and the bumper garnish. The rear bumper and the splash shield should be attached together at this time.



2. Rear combination lamps
Tightening torque: 2.9–4.9 N.m
3. Trunk side trim (R.H./L.H.)
4. Rear end trim
5. Trunk end trim



CAUTION

- Tighten all components securely.
- If the components are not tightened to the specified tightening torques, the rear bumper may become damaged or fall off, so make sure that all components are tightened correctly.

7

CHECKING OPERATION

1. Connect the negative battery terminal.



CAUTION

- If the battery connection is broken, the power windows will no longer fully open or fully close automatically. Carry out the following operation to restore normal operation.
 1. Set the ignition key to the "ON" position.
 2. Press the power window switch to fully open the power windows.
 3. Lift up the power window switch to fully close the power windows, and keep it pulled up for approximately 2 seconds.



CAUTION

- When the battery is disconnected, the DSC will stop operating. (The DSC OFF indicator will flash at this time, and the TCS/DSC operation indicator will illuminate.) Carry out the following procedure to reactivate DSC.
 1. Turn the ignition switch to "ON".
 2. Turn the steering wheel clockwise as far as it will go, and then turn it back counterclockwise as far as it will go.
 3. Check that the DSC OFF indicator is turned off.
 4. Turn the ignition switch to "OFF" and then turn it back to "ON".
 5. Check that the TCS/DSC operation indicator is turned off. If the TCS/DSC operation indicator is still illuminated or the DSC indicator is not turned off when the ignition switch is turned back to "ON", contact your Mazda dealer.

To customers



CAUTION

- Never put your feet on the rear air dam skirt while the vehicle is stopped, as it can be very dangerous. When driving on roads that are extremely rough, lower the vehicle speed and drive very carefully. If these precautions are not observed, the mounting area may become damaged.

Installation Inspection Sheet

[To be used by installation workshop]

MX-5	REAR UNDER SKIRT
	NF51 V4 930F

A. Reinstallation of vehicle parts

- Install in the reverse order of “4. REMOVING THE VEHICLE COMPONENTS”



CAUTION

- After installing the vehicle parts, check for dirt. Clean any dirty parts.
- Please check if the connector is connected without fail.

CHECK

B. Inspection items after installation

- Inspect the installed parts and removed and re-installed parts following the items below.

Section to be inspected	Inspection item (circle)			
	Gap / fit & finish	Scratch, stain, tape residue	Tightening & engagement	Function
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"/>	

Rear under skirt installation inspection

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

※ Retention period of the sheet: 3 months