

GENUINE

SIDE DEFLECTOR



Using (Installation) Instructions

Thank you very much for buying the **Side Deflector**.

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.

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PART NUMBER

F151 V4 910F

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.

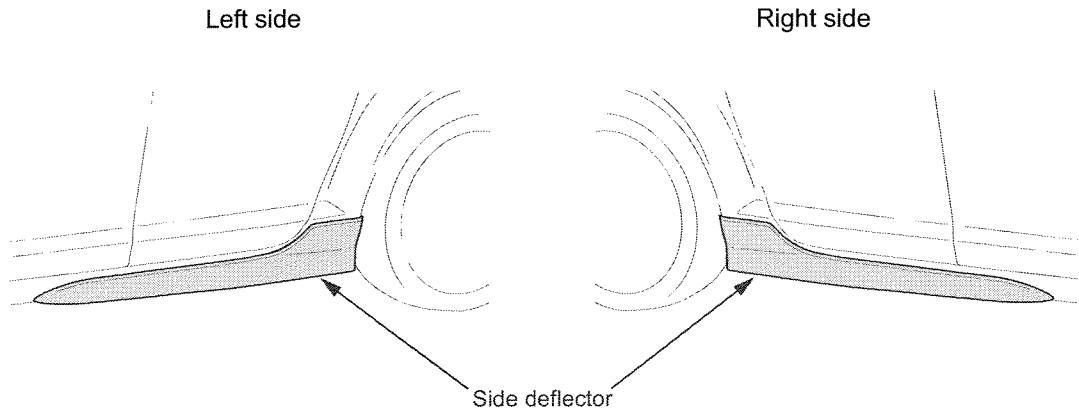
F151 PK 915 2003-04

Mazda Motor Corporation

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

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AS-COMPLETED VIEW



3

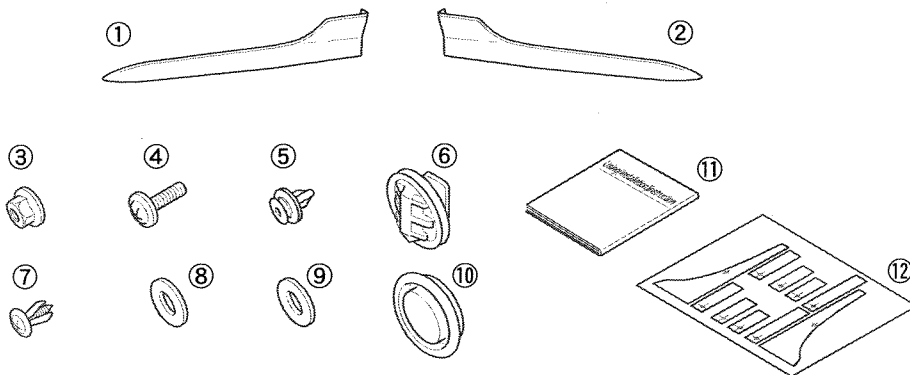
COMPONENTS



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	Side deflector, LH	1	_____
②	Side deflector, RH	1	_____
③	Nut	2	99940 0500
④	Screw	2	_____
⑤	Fastener (bright)	8	G18K 51 SJ3
⑥	Clip (black)	4	F151 51 SJ3
⑦	Rivet	2	B092 51 833
⑧	Protector (with double-faced adhesive tape)	2	_____
⑨	Protector (without double-faced adhesive tape)	2	_____
⑩	Hole cover	2	T001 56 053
⑪	Using (installation) instructions	1	_____
⑫	Template	1	_____



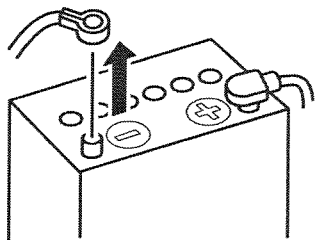
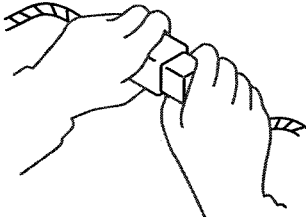
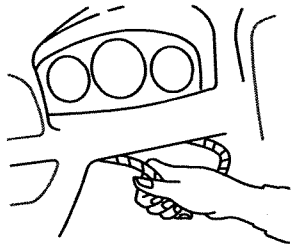
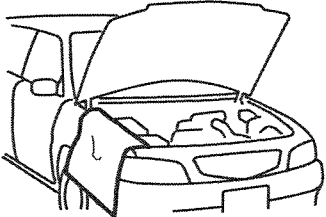
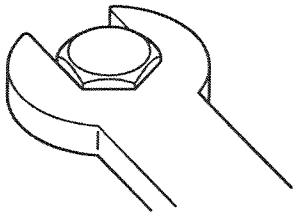
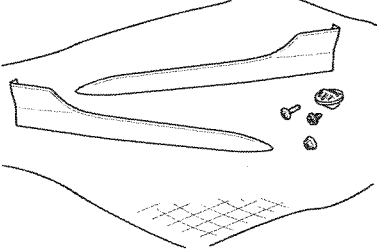
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PREPARATORY WORK BEFORE INSTALLATION

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

- ◆ Phillips-type screwdriver
- ◆ Flat-blade screwdriver
- ◆ File
- ◆ Electric drill ($\phi 3\text{mm}$, $\phi 5\text{mm}$, $\phi 8\text{mm}$, $\phi 10\text{mm}$)
- ◆ Socket wrench and spanner (8mm, 10mm), torque wrench (T20)
- ◆ Punch etc.
- ◆ Touch-up paint (genuine part)
- ◆ Soft cloth (clean one)
- ◆ IPA (isopropyl alcohol) and white gasoline
- ◆ Paper double-faced adhesive tape etc., gum tape etc., and protective tape
- ◆ Protective sheet
- ◆ Scissors, air gun, ultrasonic cutter etc.

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

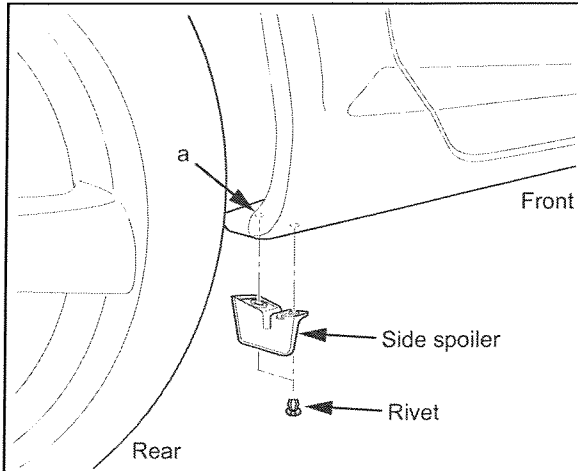
- When the negative terminal of the battery gets disconnected, the memory of clock, radio and trip counter will be erased. Record the memory contents before starting the work.

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.

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REMOVING THE VEHICLE COMPONENTS

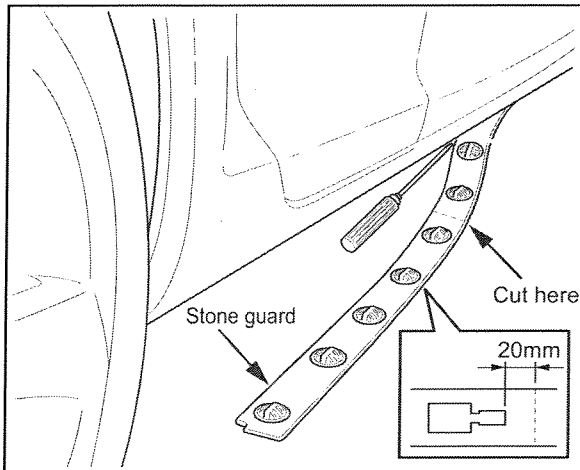


NOTE

- Shown here is for the right-hand side parts only. Use the same process for the left-hand side parts.

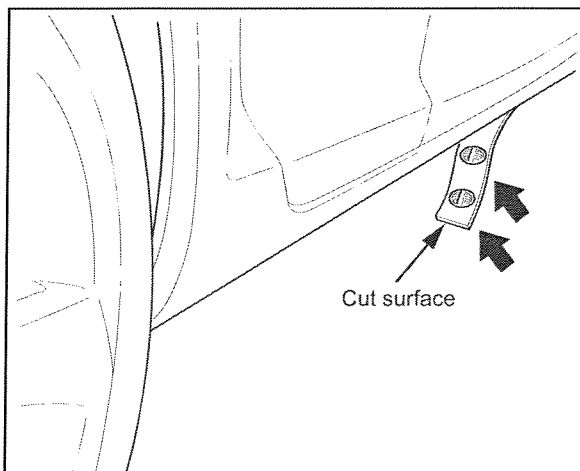
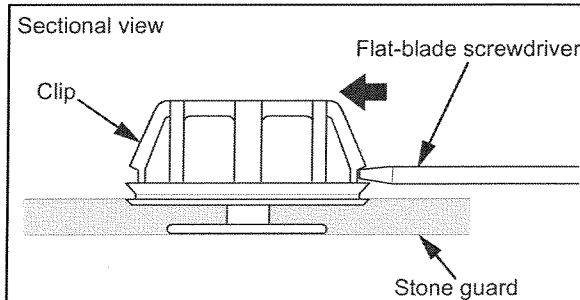
Removing the side spoiler

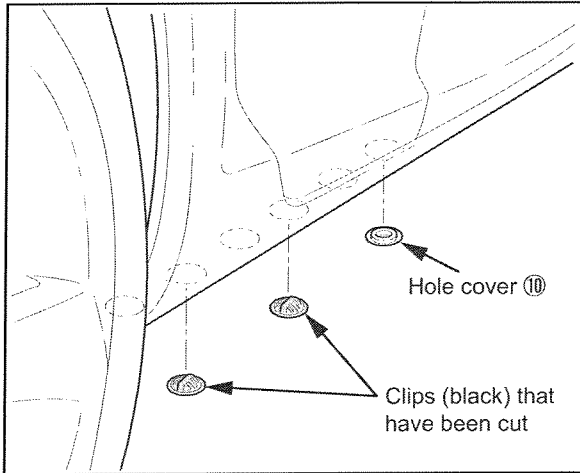
1. Remove two rivets that retain the side spoiler.
2. Remove the side spoiler from the vehicle body.
3. Plug the side spoiler retaining holes on the vehicle body (marked "a" on the sketch) with the rivets (one for each of the left and right) together with protector that have been removed in step 1.



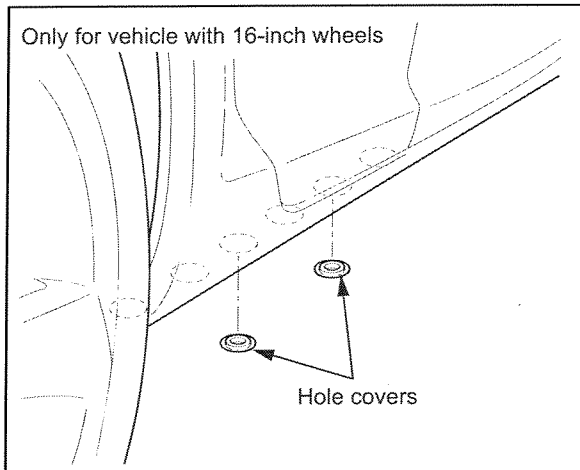
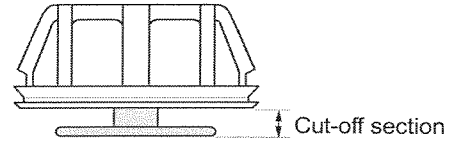
Removing the stone guard (only for vehicle with 18-inch wheels)

1. Loosen seven (7) clips from the rear end that retain the stone guard using flat-bladed screwdriver.
 - <Removing the clip (black)>
 - Using flat-blade screwdriver, remove the clip (black) pushing nail portion from backward as illustrated.
2. Remove five (5) clips from the rear end out of the stone guard, and cut off as with the ultrasonic cutter the stone guard at a point 20 mm frontward from the edge of the fifth hole counted from the rear end.
3. Retain the remaining stone guard onto the vehicle body with clips.





4. Remove five (5) clips out of the stone guard that has been cut off in step 2. Cut two of them as shown below, and fit them to the vehicle body together with the hole cover ⑩.

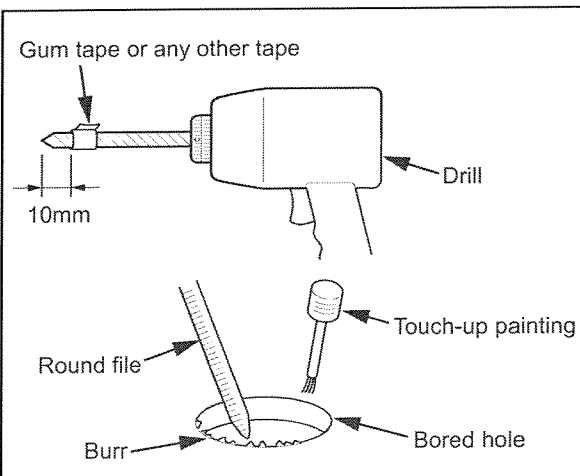
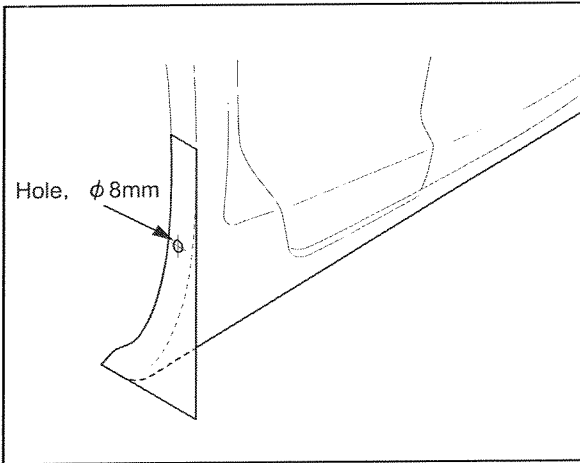
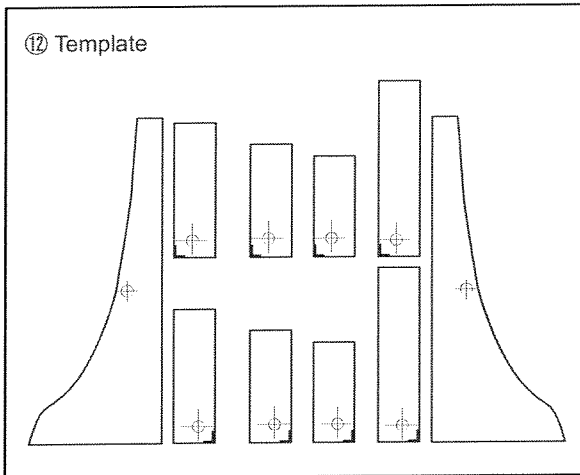


Removing the stone guard (only for vehicle with 16-inch wheels)

1. Remove two (2) hole covers (third and fifth as counted from the rear end) from the vehicle body.

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INSTALLING THE SIDE DEFLECTOR



a. Perforation on the wheel arch of the vehicle

CAUTION

- Conduct the work with the rear wheels removed.

WARNING

- Ensure sufficient safety as by using a buck to prevent any fall of the vehicle body.
- Supporting the vehicle solely with a jack (or jacks) is extremely risky. Strictly avoid it.

1. Cut out templates 12 with scissors.
Side: four templates 12 for each of the left and right
Wheel arch: one template 12 for each of the left and right

2. Align the template 12 to the shape of the wheel of the vehicle body, and punch on the template at the position to be the center of the bore.

3. Perforate a round hole.

[Boring a round hole] φ8mm (one hole each on right- and left-hand sides)

Use φ3mm, φ5mm and φ8mm drills successively to bore the hole.

WARNING

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

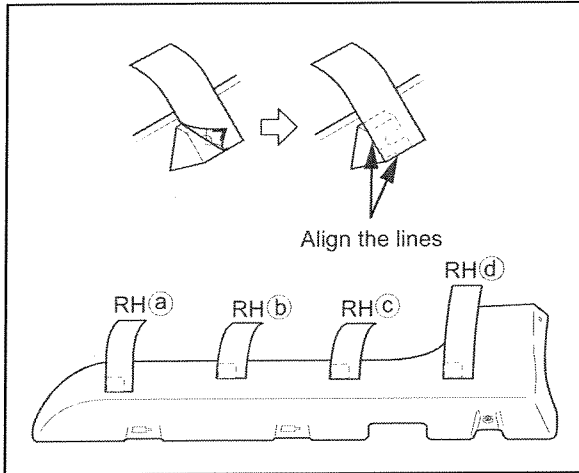
4. Remove burrs around the hole as with file.

5. Blow off chips as with air gun.

6. To prevent any corrosion, apply and dry touch-up paint.

CAUTION

- Ensure that proper anti-corrosion treatment be provided.



b. Perforation on the vehicle body sides

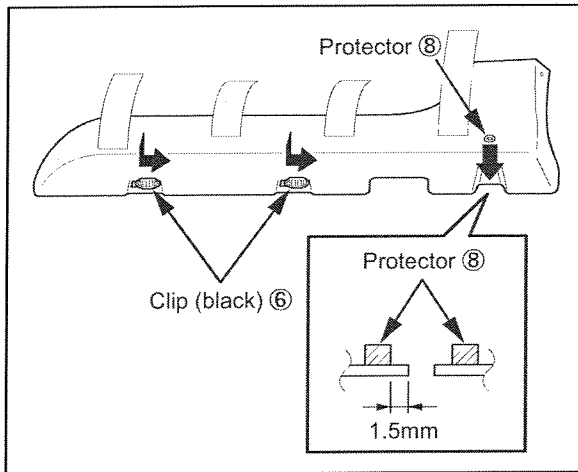
1. Attach the cut-out templates ⑫ as with double-faced adhesive tape to be aligned with the corners of the mounting surfaces.

CAUTION

- Fit the double-faced adhesive tape on the printed surface of the templates.

NOTE

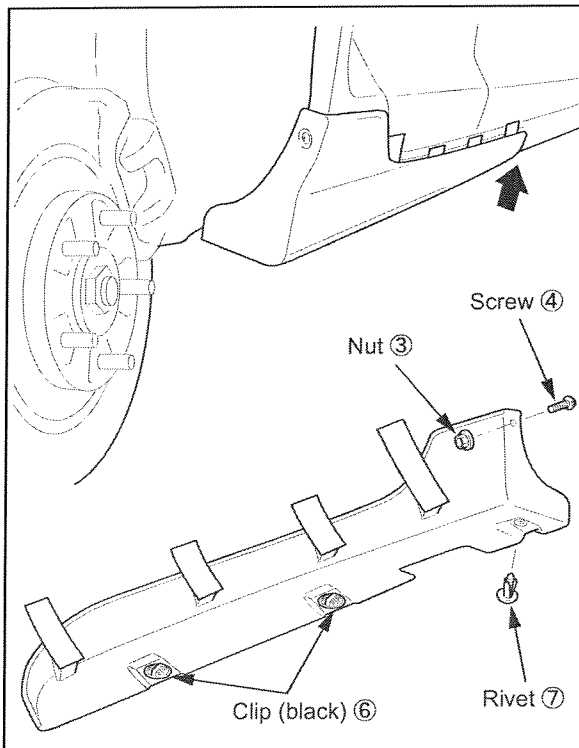
- Use of paper tape is recommended for the double-faced adhesive tape.



2. Fit clips (black) ⑥ and protectors (with double-faced adhesive tape ⑧) to the side deflector.

CAUTION

- Be careful to ensure the right orientation of the clips (black) ⑥ when fitting them.

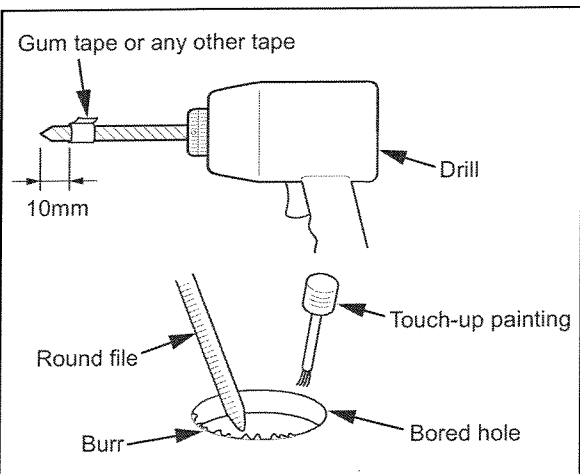
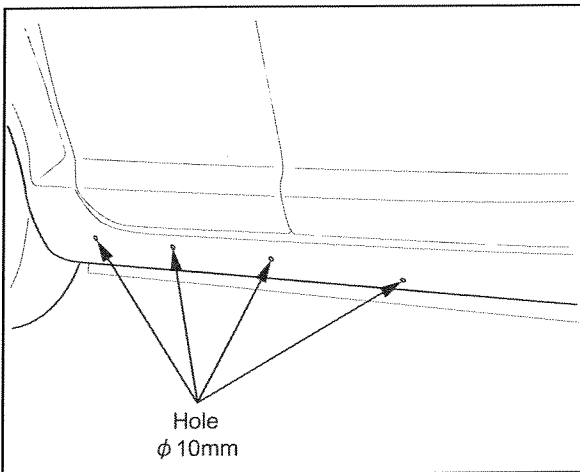
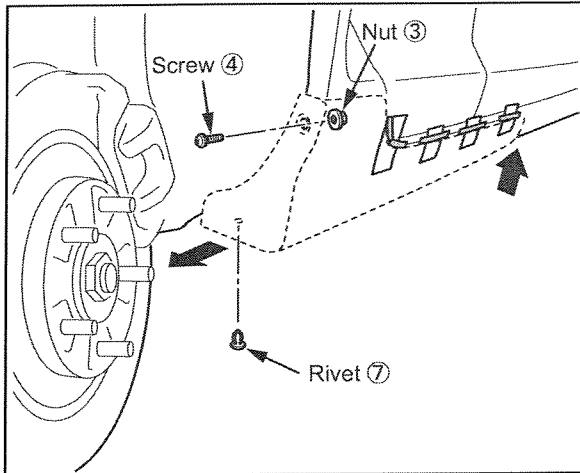


3. With the template ⑫ applied, temporarily retain the side deflector while holding up its front.

CAUTION

- Have the installation of clips (black) ⑥ and rivets ⑦ completed.

- ③ Nut: one for each of the left and right
- ④ Screw: one for each of the left and right
- ⑥ Clip (black): two for each of the left and right
- ⑦ Rivet: one for each of the left and right



- After making sure there's no gap between the side deflector and vehicle body as holding up its edge point. Attach the templates (12) to the vehicle body as with gum tape (at four locations).

⚠ CAUTION

- Exercise care to avoid any kink of the templates (12).
- Make sure there's no gap between the edge of the side deflector and the vehicle body.

- With the templates (12) attached to the vehicle, remove screws (4), nuts (3) and rivets (7) and slide rearward the side deflector to remove it.

NOTE

- At this time, clips (black) (6) are fitted on the vehicle body.
- Exercise much care to prevent the templates from tearing or peeling.

- Perforate round holes. $\phi 10\text{mm}$ (at four locations on each of right- and left hand sides)
Punch on the templates at the points for the centers of the holes and at the marked points, and use $\phi 3\text{mm}$, $\phi 5\text{mm}$, $\phi 8\text{mm}$ and $\phi 10\text{mm}$ drills successively to bore the holes.

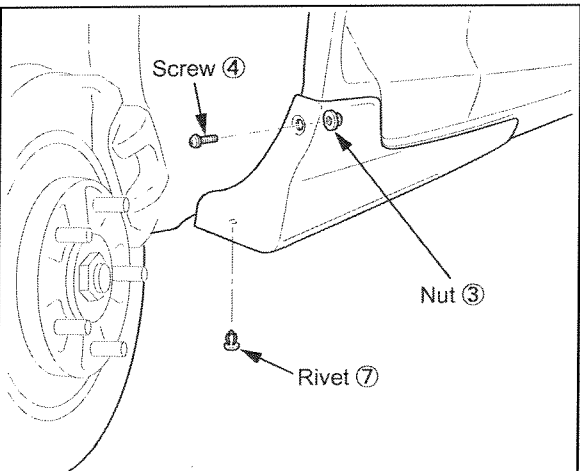
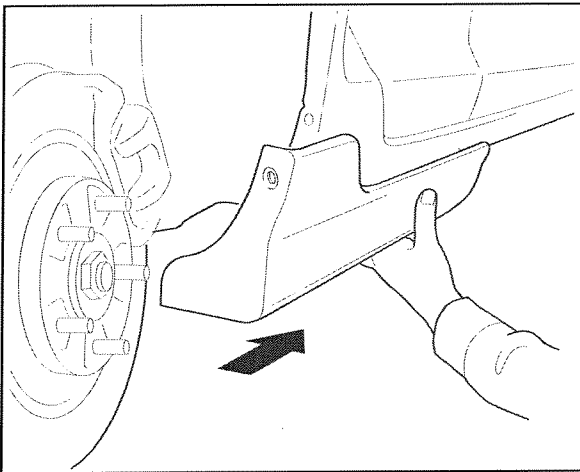
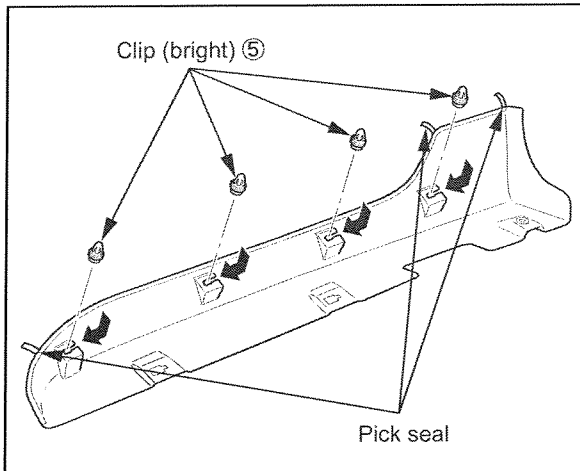
⚠ CAUTION

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

- Remove burrs around the hole as with file.
- Blow off chips as with air gun.
- To prevent any corrosion, apply and dry touch-up paint.

⚠ CAUTION

- Ensure that proper anti-corrosion treatment be provided.



Installing the side deflector

NOTE

- Wipe as with isopropyl alcohol the vehicle body surface on which the side deflector is to be glued to remove any grease and dirt.

1. Bend the pick seals (at three points) upward to facilitate peeling off.
2. Fit Clip (bright) ⑤ (at four locations) to each of right- and left-hand side deflectors.

3. Slide the side deflector from the rear forward so the clip (black) ⑥ fitted on the vehicle body gets into the retaining hole on the side deflector.

⚠ CAUTION

- Do not still insert the clip (bright) ⑤ of the side deflector into the retaining hole.

4. Peel off the release-coated paper on the double-faced adhesive tape for the side deflector.

⚠ CAUTION

- Keep the side deflector slightly away from the vehicle body to prevent the release-coated paper from being torn.

5. Insert the clip (bright) ⑤ of the side deflector into the retaining hole.

⚠ CAUTION

- When inserting the clip (bright) ⑤, force it slowly.
- Striking it hard will causes the clip to deform, making it hard to enter.

6. Retain the side deflector with screw ④, nut ③ and rivet ⑦.

Screw ④ Tightening torque: 6.8-9.8 N·m

— 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	SIDE DEFLECTOR
	F151 V4 910F

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
Side deflector (kit components)	○	○	○	
Rocker panel, side frame		○		

Side deflector installation inspection

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

※ Retention period of the sheet: 3 months