



## Genuine Side Air Dam Instruction (Installation) Manual

Thank you for purchasing a genuine Side Air Dam. To assure proper use at best conditions, please read this Instruction (Installation) Manual and understand the contents before using the Side Air Dam.

Please keep this Instruction (Installation) Manual and refer to it every time you use the Side Air Dam.

### Note

- The  Caution and  Warning marks used in this Instruction (Installation) Manual indicate safety precautions concerning the installation and handling of the Side Air Dam. Instructions indicated with such marks must be followed strictly.
- Do not install the Side Air Dam in a modified form.
- Do not perform any installation or use of the Side Air Dam other than that described in this Instruction (Installation) Manual.
- Installation should be performed by a specified Mazda dealer in order to avoid errors.
- If you have any questions regarding this accessory, please contact your Mazda dealer.
- Mazda assumes no responsibility for any troubles caused by failure of the user to follow the instructions in this Manual.

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Item No.: NO53 V4 910F

Name: Side Air Dam Skirt

Applicable model: MX-5

\* If you have any questions, such as regarding an unknown applicable model, ask your dealer.

To dealers:

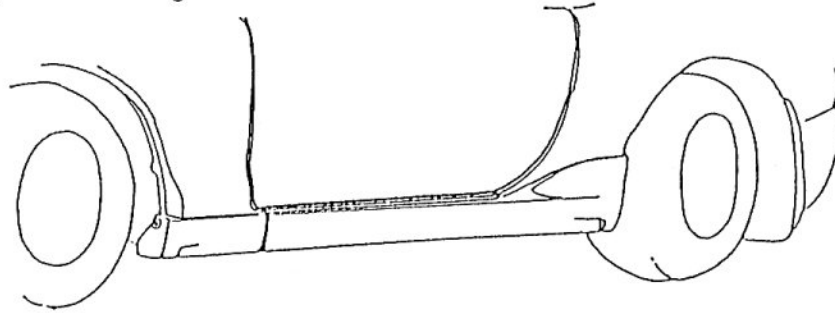
Be sure to give this Instruction (Installation) Manual to the customer.

Mazda Motor Corp.

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

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Completion drawing



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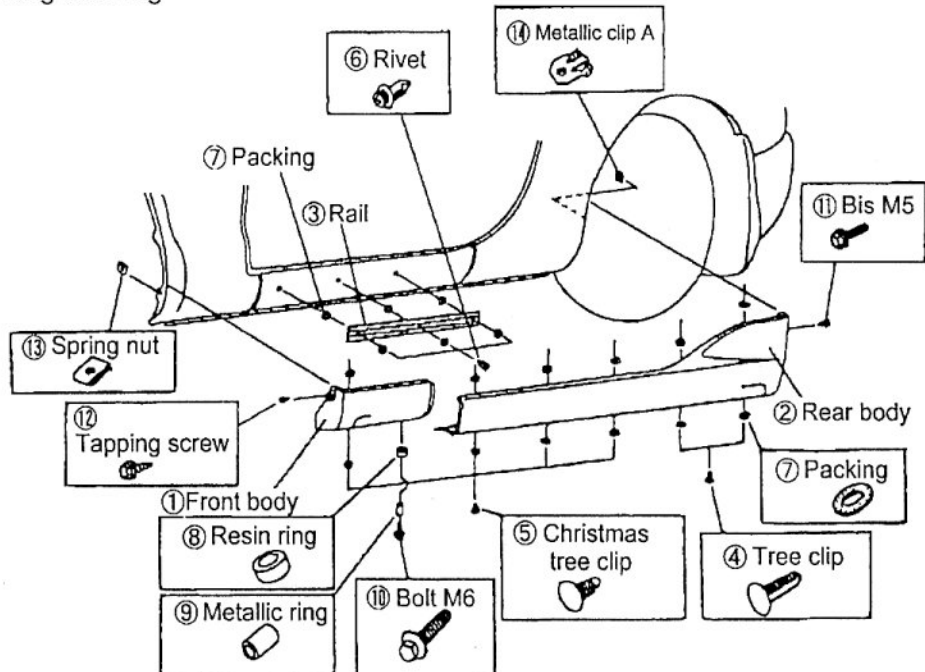
Parts list (Check the parts before mounting them.)

**⚠ Caution**

Check that you have all the parts shown in the parts list below. Also check for dirt, flaws, and failures.

No.	Part name	Q'ty	No.	Part name	Q'ty
①	Front body RH/LH	1 each	⑪	Bis M5 (16 mm (0.62 in)long)	2
②	Rear body RH/LH	1 each	⑫	Tapping screw $\phi$ 5mm	2
③	Rail	2	⑬	Spring nut	2
④	Tree clip	4	⑭	Metallic clip A	2
⑤	Christmas tree clip	8	⑮	Adhesive agent	1
⑥	Rivet	6	⑯	Template A	1
⑦	Packing	36	⑰	Template B	1
⑧	Resin ring	2	⑱	Template C	2
⑨	Metallic ring	2		Instruction (installation) Manual	1
⑩	Bolt M6 (25 mm (1.02 in) long)	2			

Mounting drawing



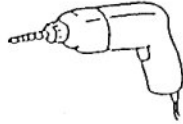
4

## Tools (Prepare before mounting the parts.)

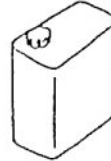
Phillips screwdriver



Electric drill

(3mm=1/8", 8mm=5/16",  
8.5mm,=21/64")

Isopropyl alcohol



Plastic (or cellophane) tape



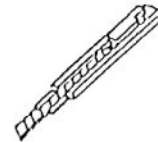
10 mm box wrench



10 mm spanner



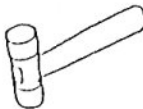
Cutter



Punch



Hammer



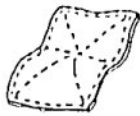
File



Marker



Waste cloth



Touch-up paint



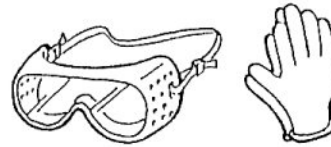
Zinc rich primer



Brush



Safety goggles and gloves



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## Precautions

## Safety precautions

1. Stop the engine.
2. Apply the hand brake.
3. Take care not to damage or get dirt on the surface of the vehicle body or other parts.
4. Place a wheel chock under one of the rear wheels.
5. Use isopropyl alcohol to clean the body panel surface on which the double-sided adhesive tape is to be placed so that the surface is free from oil, dirt, wax, and other foreign material. Allow the surface to dry.

To prevent the adhesive strength of the double-sided tape from weakening, make sure the application surface is at a temperature of 15°C(60°F) or greater.

6. To make the holes correctly, place the body where drilling can be made perpendicular to the surface.
7. Wipe off any adhesive agent that gets on your hand or body with a clean detail rag and washed off as soon as possible. (Do not rub your eyes with hands that have adhesive stuck to them.)
8. Wear safety goggles during operation.

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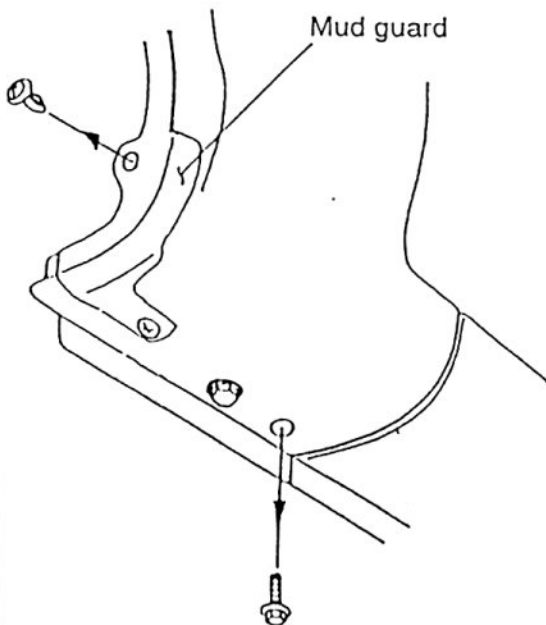
**⚠ Warning for color painting on primer painted products**

1. Paint
  - Due to the pliability of products, make sure to use double fluid urethane paint. (Paint for metal may cause cracks on the surface.)
2. Preparation
  - Rough-sand with #600.
  - Do not wipe off products with any solvents, including alcohol (primer may be dissolved).
3. Drying process
  - In the case of drying with lamps, the temperature should be below 50°C (122°F). (Above 60°C (140°F) for more than 10 minutes may cause deformation.) Moreover, heating should be performed evenly, not in parts.

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Front of Vehicle

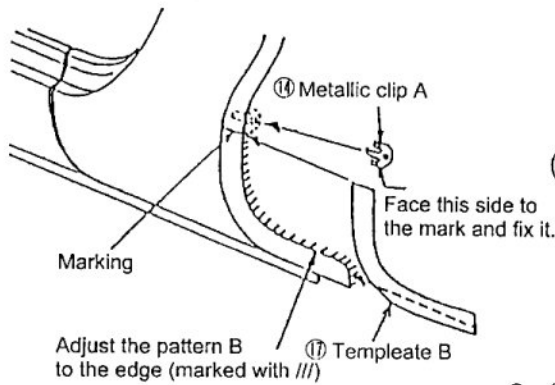
**1. Detaching Parts**



- (1) a. (Remove & discard the top plastic fastener).
- b. (Remove & retain the lower screw).
- c. (Remove & discard the lower bolts).

To use a box wrench, scrape off the paint over the head of the bolt fixed on the bottom of the front wheel arch.

- (2) Use touch-up paint or zinc rich primer to cover the spot where the bolt has been removed.
- (3) Wipe off oil with isopropyl alcohol from the side sill, the front and rear fenders, where the Side Air Dam Skirt will be mounted.



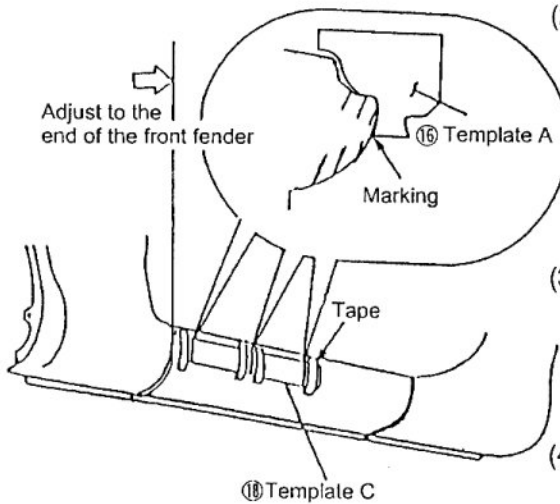
2. (1) Place ⑰ Template B on the flange of the rear wheel arch. Mark the tip of the template on the flange as the left figure.

(2) Place the end of ⑭ Metallic clip A on the mark and insert it in the flange.

3. (1) On the back end of the front fender, place the ⑱ Template C about the upper end of the curved body.

**⚠ Caution**

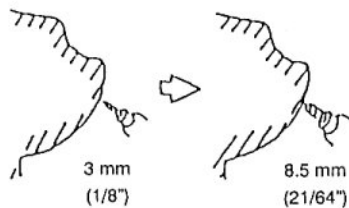
Two (2) templates "C" are provided in the kit. They are the same but use one for the left side and one for the right side.



(2) As the left illustration shows, place the ⑯ Template A along the printed line on the ⑱ Template C and hold them against the body. Then, mark the end of the ⑯ Template A.

(3) After punching at the marking point, drill a hole with an electric drill of 3 mm=1/8" and 8.5 mm=21/64" in order.

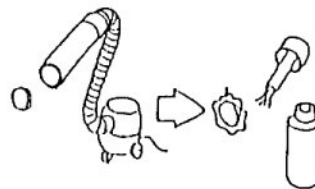
(4) File the burrs of the hole on the body and remove filings with an air gun or a vacuum cleaner. Apply enough touch-up paint around the hole including the hole itself.



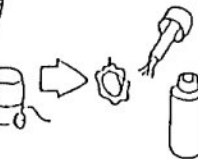
Making a hole



Filing a hole

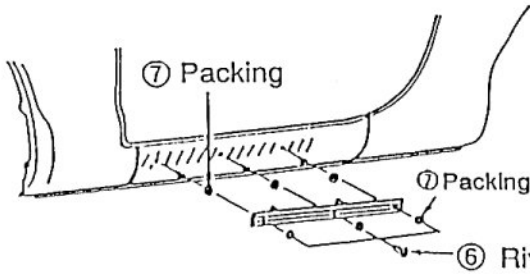


Removing filings

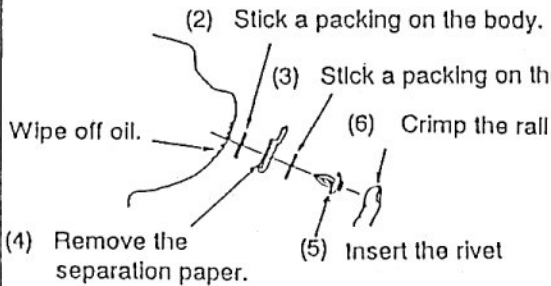


Touching up around a hole

4. (1) With isopropyl alcohol, remove oil from where the rail will be mounted (marked with /// in the left figure).



- (2) Remove the separation papers from the ⑦ packings and attach them to the holes on the body.
- (3) Attach the ⑦ packings on the surface of the rail also.



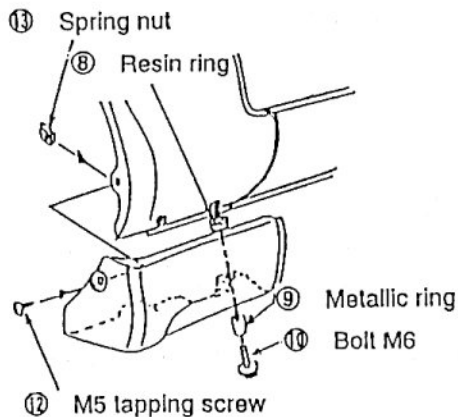
- (2) Stick a packing on the body.
- (3) Stick a packing on the rail.
- (4) Remove all of the separation paper from the double-sided tape on the rail.
- (5) Hold the rail against the body after inserting the 3 ⑥ rivets into the holes on the rail, then push the heads of the ⑥ rivets.

- (6) Tightly press down the rail onto the body so that the double-sided tape adheres completely.

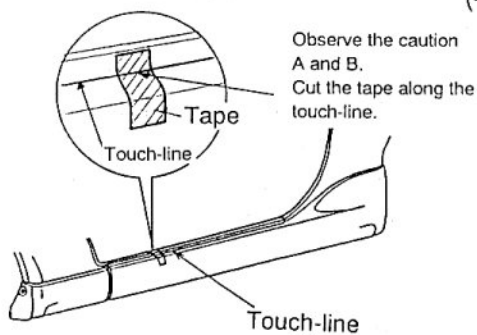
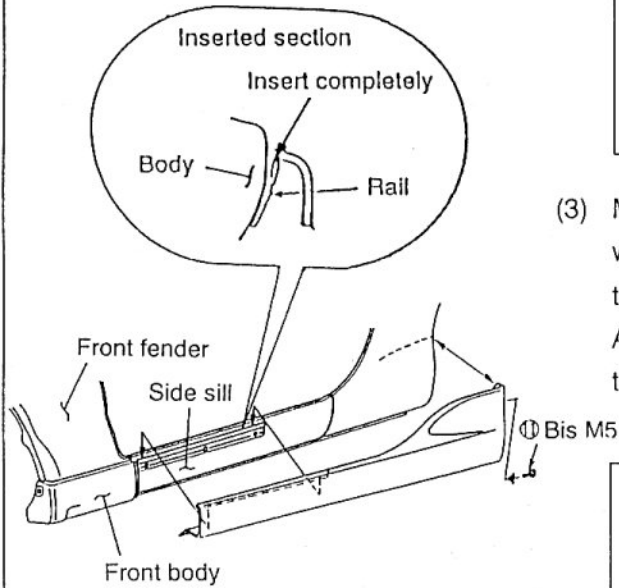
**⚠ Caution**

To prevent the adhesive strength of the double-sided tape from weakening, make sure the application surface is at a temperature of 15°C (60°F) or greater.

5. (1) Attach the ⑬ spring nut on the mounting hole where the fender will be mounted, of the front wheel arch.



- (2) Hold the front ① air dam piece against the body and temporary fix the mounting hole on the wheel arch with the ⑫ tapping screw. Fix the ⑧ and ⑨ rings on the ⑩ M6 bolt. Then temporary fix the bottom of the ① body with it.



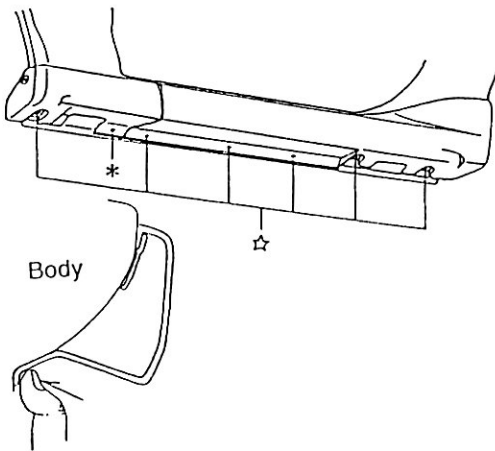
**⚠ Caution A**  
Adjust the ① front body on the front fender line and fix it temporarily.

- (3) Mount the ② rear body on the rear wheel arch with the ⑪ bis M5 temporarily. Then, insert the flange of A of the main body between the rail and the body completely.

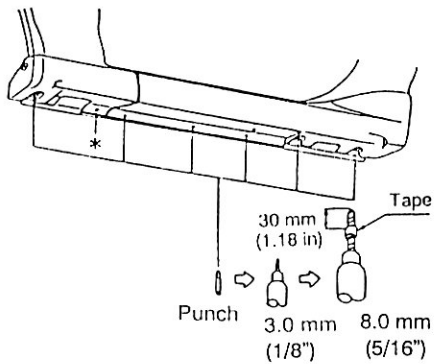
**⚠ Caution B**  
Temporarily fix the front and the rear bodies so that they remain 3 mm (0.12 in) apart from each other.

- (4) Confirm the procedure in caution A and B. Tape over the rear body and the side sill as shown in the left illustration. Then, cut the tape along the touch-line.

**⚠ Caution**  
This tape will be used as the mark in step 10. Make sure to follow the caution A and B. The paint in this area of the vehicle may be soft. Be careful when cutting the tape if a tool such as a fiber stick is used.



**⚠ Caution C**  
Adjust the bottom of the flange on the body.



6. (1) Hold the bottom of the main body flange against the front fender flange. Mark the bottom side of the mounting holes (refer to the ☆ mark in the left illustration).

As the left illustration shows, the second hole need not be marked since the hole for the fender, which has already been made, will be used.

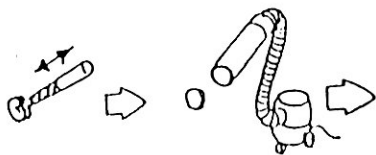
**⚠ Caution**  
Follow the caution A, B and C, and mark 6 spots as shown by ☆.

- (2) Remove the main body and punch over the marks.
- (3) Tape around a 8.0 mm=5/16" drill, 30 mm (1.18 in) from the tip (3 mm (0.12 in) to 5 mm (0.2 in) thick).
- (4) Drill the holes that have been marked with a punch, with a 3 mm (1/8") and 8.0 mm (5/16") electric drill in order.

**⚠ Caution**  
Very important: when drilling make sure to wear safety goggles and gloves. When drilling into sheet metal, make sure to hold drill firmly to reduce the possibility of drilling "oblong holes". Oblong holes will cause the retaining fasteners that hold the side air dam pieces to be loose.

- (5) File the burrs of the holes on the body and remove filings with an air gun or a vacuum cleaner. Apply enough touch-up paint around the holes including the hole itself.

Drilling 6 holes marked with ☆



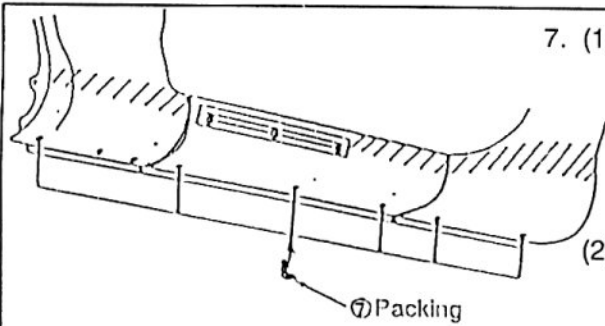
Filing a hole

Removing filings



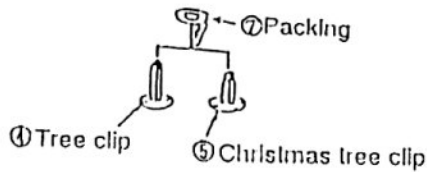
Touching up around a hole





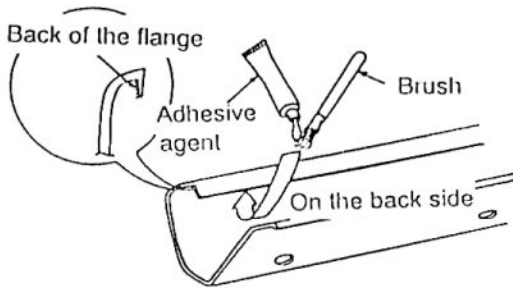
7. (1) With isopropyl alcohol, wipe off oil from the part where the main body will be mounted (marked with /// in the left illustration).

(2) Remove the separation paper from the ⑦ packing and attach to the holes on the body.

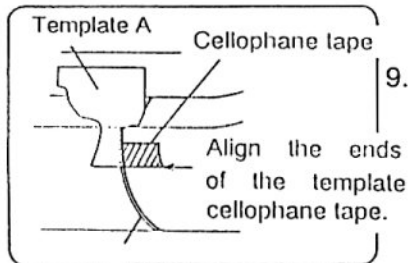


(3) Attach the seal packings on the bearing surface of the 4 ⑤ christmas tree clips and 2 ④ tree clips.

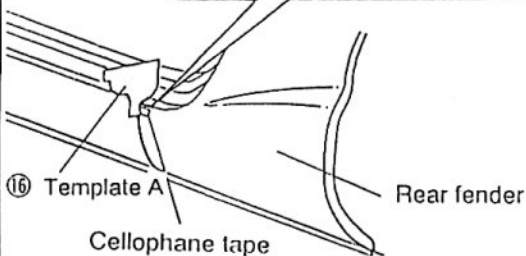
8. (1) Lightly spread the adhesive agent with a brush on the back of the flange where the rail of the ② Side Air Dam main body will be mounted.



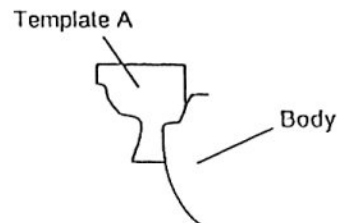
**Caution**  
Make sure to apply adhesive agent lightly on the specified area. Applying agent other than on the flange and/or too much agent may cause blistering on the surface of the Side Air Dam.

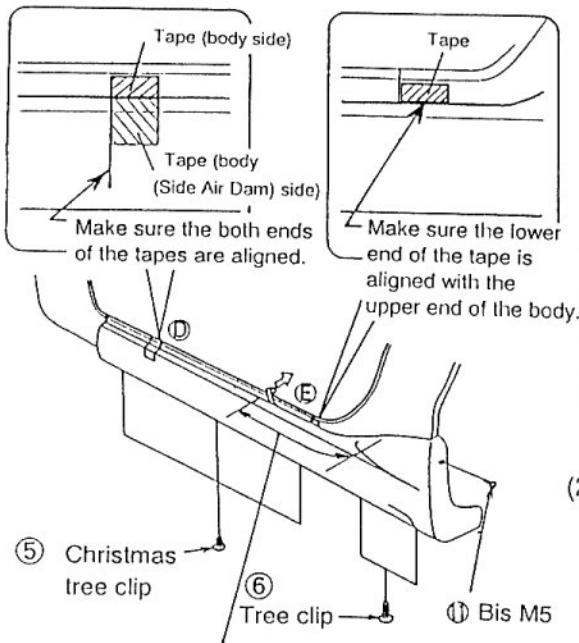


9. (1) Place the ⑯ template A between the center and the rear of the body. With a 20 mm (0.79 in) length of cellophane, mark above the bottom of the template tape on the rear body.



**Caution**  
Be careful not to place the template the other way around. Place the template perpendicularly to the body.

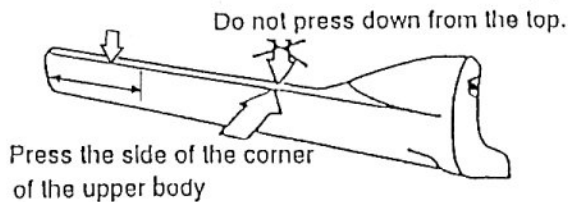




Before attaching the double-sided tape, make sure the application surface between the arrows is smooth and clean so that the tape will fit on correctly

**Attachment**

Tightly press down only between the tip and 550 mm (21.6 in) away.



Press the side of the corner of the upper body

Press the corner.



10.(1) Peel off the separation paper about 30 mm (1.18 in) from the double-sided tape on the center of the ② body. Fold the removed paper outward from the product.

**Caution**

To prevent the adhesive strength of the double-sided tape from weakening, make sure the application surface is at a temperature of 15°C (60°F) or greater.

- (2) Insert the body between the rails completely in the same way as step 5.
- (3). Then, temporary fix the ② rear air dam piece using ⑪ bis M5 .

**Caution**

Confirm the position of D taped in step 5. (4) and the lower end of the cellophane tape E, taped in Step 9. (1).

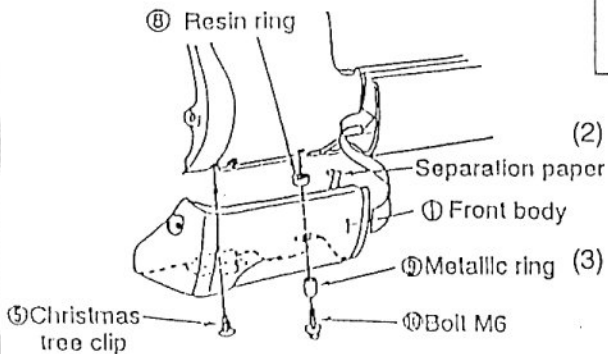
- (3) Fit the tapes, D and E, and the body. Remove the separation paper from the double-sided tape and tightly press the product surface. Completely tighten the ⑪ M5 bis.

- (4) Fix a packing on the bottom of the ⑤ christmas clip and fix the body with it. If the christmas tree clip does not fit in the hole, hammer the top of it lightly.

- 11.(1) Fold the back of the separation paper outward on the double-sided tape attached to the front body.

**⚠ Caution**

To prevent the adhesive strength of the double-sided tape from weakening, make sure the application surface is at a temperature of 15°C (60°F) or greater.

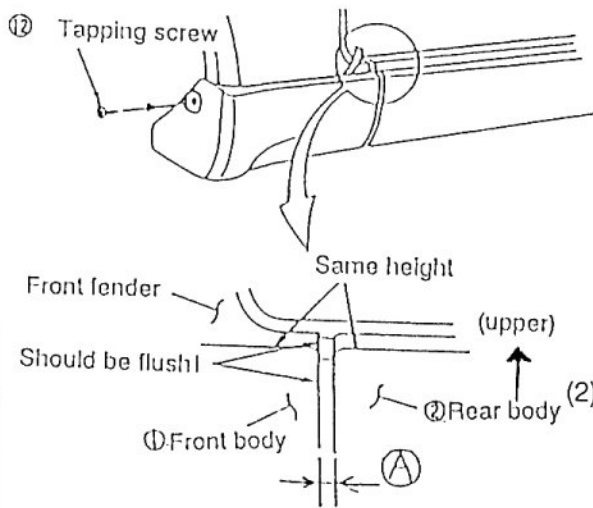


- (2) Insert the edge of the ① front body into the one of the ② rear body.

- (3) Fix the ⑧ and ⑨ rings on the ⑩ M6 bolt and temporary fix the ① front body by using it.

- (4) Fix the ⑤ christmas tree clip into the holes on the vehicle.

- 12.(1) As the illustration left shows, align the heights, ① front body and ② rear body, to be the same and adjust them onto the main body. Then, fix the body to the front wheel arch with a ⑫ tapping screw. Then, remove the separation paper from the double-sided tape and tightly press down the product.



- (2) Tightly press down the product attached by the double-sided tape once more.

- (3) Tighten the bolt that was temporary attached in step 11. (3).

**⚠ Caution**

The opening part marked A should be 3 mm ± 1 mm (0.12 in ± 0.04 in) and the alignment error should be less than 1 mm (0.04 in).

After installation:

1. Do not wash your vehicle within 24 hours after installing the Side Air Dam. Doing so will weaken the adhesive strength of the double-sided tape.
2. Do not strike or apply a strong force to the Side Air Dam after installation. (The strength of the adhesive increases during the 24 hours after installation.)