

GENUINE FRONT GARNISH

INSTALLATION AND USER'S INSTRUCTIONS

Thank you for purchasing a Genuine Mazda Accessory.





Before removal and installation, Please thoroughly read these instructions.

For your safety, please read the contents of this booklet to properly install and use the front garnish.

Keep these instructions with your vehicle records for future reference.

- The front garnish must always be installed as a set together with the rear spoiler (KLBC V4 920) and the deflector (N243 V4 990).
- So as not to omit installing any of them, install in the order of the rear spoiler (KLBC V4 920) or deflector (N243 V4 990) and then the front garnish (KLBC V4 9A0A).
- If installing the accessory front over fender (KKTH-51W20/KKTH-51W30), install in the order of the front over fender (KKTH-51W20/KKTH-51W30), and then the front garnish (KLBC V4 9A0A).

WARNING

- There are several  **WARNING** and  **CAUTION** sections in this booklet concerning safety when installing or removing the front garnish. Always read and follow the instructions 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.
- For areas indicating the tightening torque in this instruction manual, tighten to the specified torque by using a torque wrench. For areas in which the tightening torque is indicated inside parentheses (), the tightening torque is indicated as a reference value, however tightening using a torque wrench is not necessary.
- Do not modify the front garnish.
- Do not install the front garnish in any way other than described in the following instructions.
- If in doubt, please contact 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 of dirt, scratches, or damage.

PART NAME: FRONT GARNISH

PART NUMBER: KLBC V4 9A0A

VEHICLE: MAZDA CX-5

NOTE

To the dealer

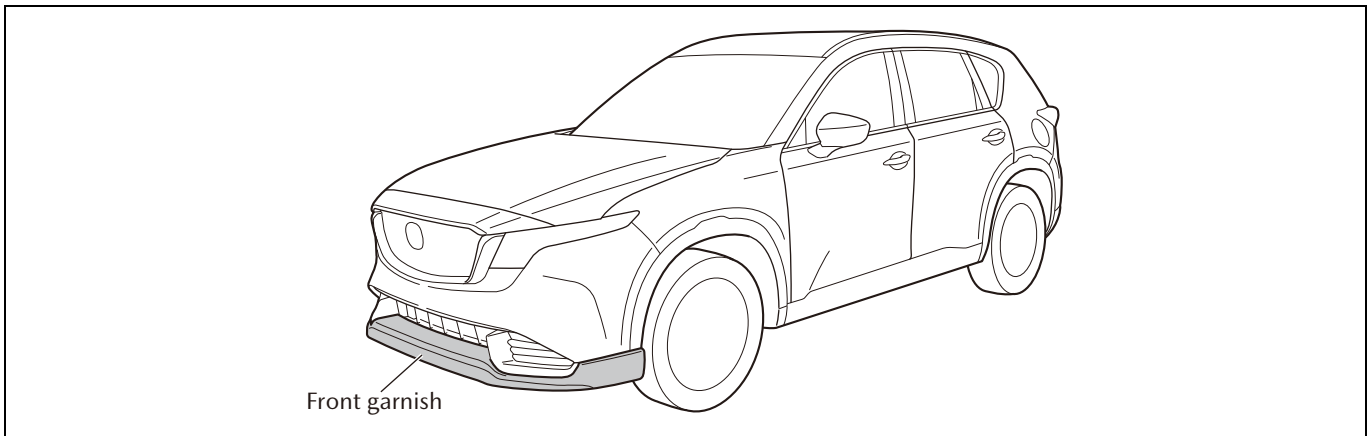
- Please turn over these instructions to the customer after installation.

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 transfer these instructions to the next owner.


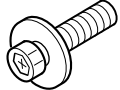
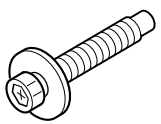


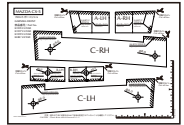




1. INSTALLATION VIEW

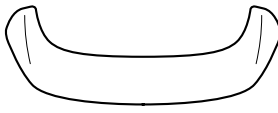


2. PARTS

- Before installation, verify that the kit includes all the following parts and that they are free of dirt, scratches, or damage.

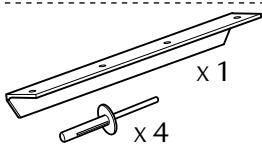

Part	Part name	Qty	Part	Part name	Qty
	Front garnish	1		M5 tapping screw (L=12)	2
	M5 tapping screw (L=25)	4		Bracket spacer	8
	Fastener	2		Template (A4)	1
	Web Guidebook (for EU)	1		KBA Approval Paper	1

Separate Purchase 【Rear spoiler (KLBC V4 920)】

Part	Part name	Qty
	Rear spoiler	1

* For vehicles without deflector
(not needed for vehicles with deflector)

Separate Purchase 【Deflector (N243 V4 990)】

Part	Part name	Qty
 x 1	Deflector	1
 x 4		

* For vehicles without rear spoiler
(not needed for vehicles with rear spoiler)

3. BEFORE INSTALLATION

REQUIRED TOOLS (Make sure they are at hand before starting work)

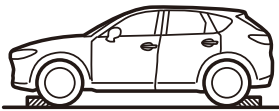
- ☆ Fastener remover ☆ Phillips screwdriver ☆ Mini stubby screwdriver (Phillips) ☆ Punch
- ☆ Flathead screwdriver ☆ Drill (ϕ 3、 ϕ 6、 ϕ 8) ☆ Ruler (30 cm) ☆ Deburring Tool ☆ Scissors
- ☆ Ratchet wrench ☆ Hand riveter ☆ Measuring tape (steel measure)

Other items to prepare

- ☆ Masking tape (10 mm width) ☆ IPA (isopropyl alcohol) or white gasoline
- ☆ Curing tape (38 mm width)

! WARNING

Park the vehicle on a flat, level surface, apply the parking brake firmly and block the wheels so that the vehicle does not move during installation. If this is not observed, the vehicle may move and injury may result.



! CAUTION

<p>Be sure to cover the vehicle body with protectors or mats when removing/installing parts. Otherwise, the vehicle may be scratched or become dirty.</p>	<p>Using improper tools may cause damage and or broken parts. Use the correct tool for the installation.</p>	<p>Wrap protective tape around screwdrivers and fastener remover tools to prevent scratching the vehicle.</p>	<p>Put the removed parts and the parts in the kit on the protective sheet to prevent scratches.</p>
<p>【Drilling】 When drilling holes, be sure to wrap the drill bit with gum tape or similar to prevent drilling from going too deep.</p>	<p>【Drilling】 When drilling holes, hold the drill bit or hole saw so that it is perpendicular to the drilling surface so that the position of the hole being drilled does not shift.</p>	<p>【Drilling】 After drilling holes, file away any rough edges and burrs until the edges are smooth.</p>	<p>If there is any dirt, grease or other contamination on the attachment surface, they may become attached to the double-sided tape, causing a drop in the adhesive strength of the double-sided tape. You should clean the attachment surface thoroughly before attaching the tape. Use IPA (isopropyl alcohol) or similar to clean interior and exterior surfaces.</p>

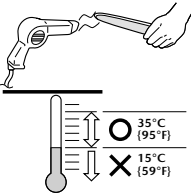
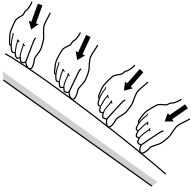
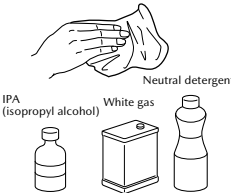
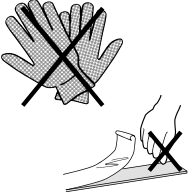
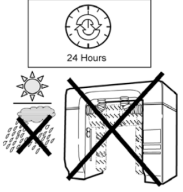
Advice

Refer to the Workshop Manual for removal and installation of applicable vehicle parts.



4. DOUBLE-SIDED TAPE ATTACHMENT

* "Attachment surface" refers to the front bumper, and "part" refers to supplementary parts.

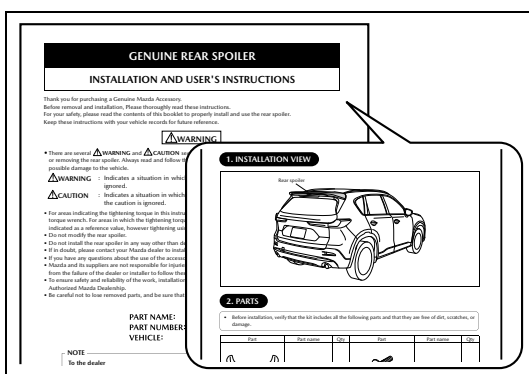
<p>1. Avoid working in ambient temperatures of less than 15 °C.</p> <p>The stickiness of the adhesive depends on the softness of the resin, and so the adhesive loses its stickiness and the adhesive strength drops at low temperatures (15 °C or less). Accordingly, avoid carrying out work in places where the ambient temperature is less than 15 °C. If working in places where the ambient temperature is less than 15 °C, you should heat the attachment surface and the part until they are warm enough.</p>	<p>2. Attach evenly.</p> <p>In order to ensure that the adhesive surface of the double-sided tape attaches correctly, it is necessary to press the adhesive surface of the tape against the attachment surface with a uniform force (50N) overall. In particular, press down sufficiently on the double-sided tape when the ends of the tape and the attachment surface are curved.</p>	<p>3. Clean the attachment surface.</p> <p>If there is any dirt, grease or other contamination on the attachment surface, they may become attached to the double-sided tape, causing a drop in the adhesive strength of the double-sided tape. You should clean the attachment surface before attaching the double-sided tape. As a general rule, use mild detergent for interior surfaces, and use IPA (isopropyl alcohol) or white gas for exterior surfaces. After cleaning, let the area dry sufficiently.</p>
		
<p>4. Avoid getting the tape dirty.</p> <p>If you touch the adhesive surface while working, oil from your hands can get onto the adhesive and cause a drop in the adhesive strength of the double-sided tape. In addition, when working while wearing gloves, fibers and dirt from the gloves may become attached to the adhesive. Take care to avoid contaminating the adhesive surface of the double-sided tape.</p>	<p>5. Handling after attaching the tape.</p> <p>After the tape has been attached, the adhesive strength will not stabilize until 24 hours have passed, so do not drive or wash the vehicle or leave it exposed to rain for 24 hours. In addition, never remove and reattach the double-sided tape once the product has been installed, as this will result in a dramatic drop in adhesive strength.</p>	
		

5. REAR SPOILER (SEPARATE PURCHASE) INSTALLATION

These steps are to be carried out for vehicles which are to have both an under garnish set (black) and rear spoiler installed at the same time.

They do not need to be carried out for vehicles which only have an under garnish set (black) installed, so in such cases, proceed to "Vehicle part (uner cover) removal" (page 5).

1. Install the rear spoiler while referring to the Installation and User's Instructions for the rear spoiler (KLBC V4 920).

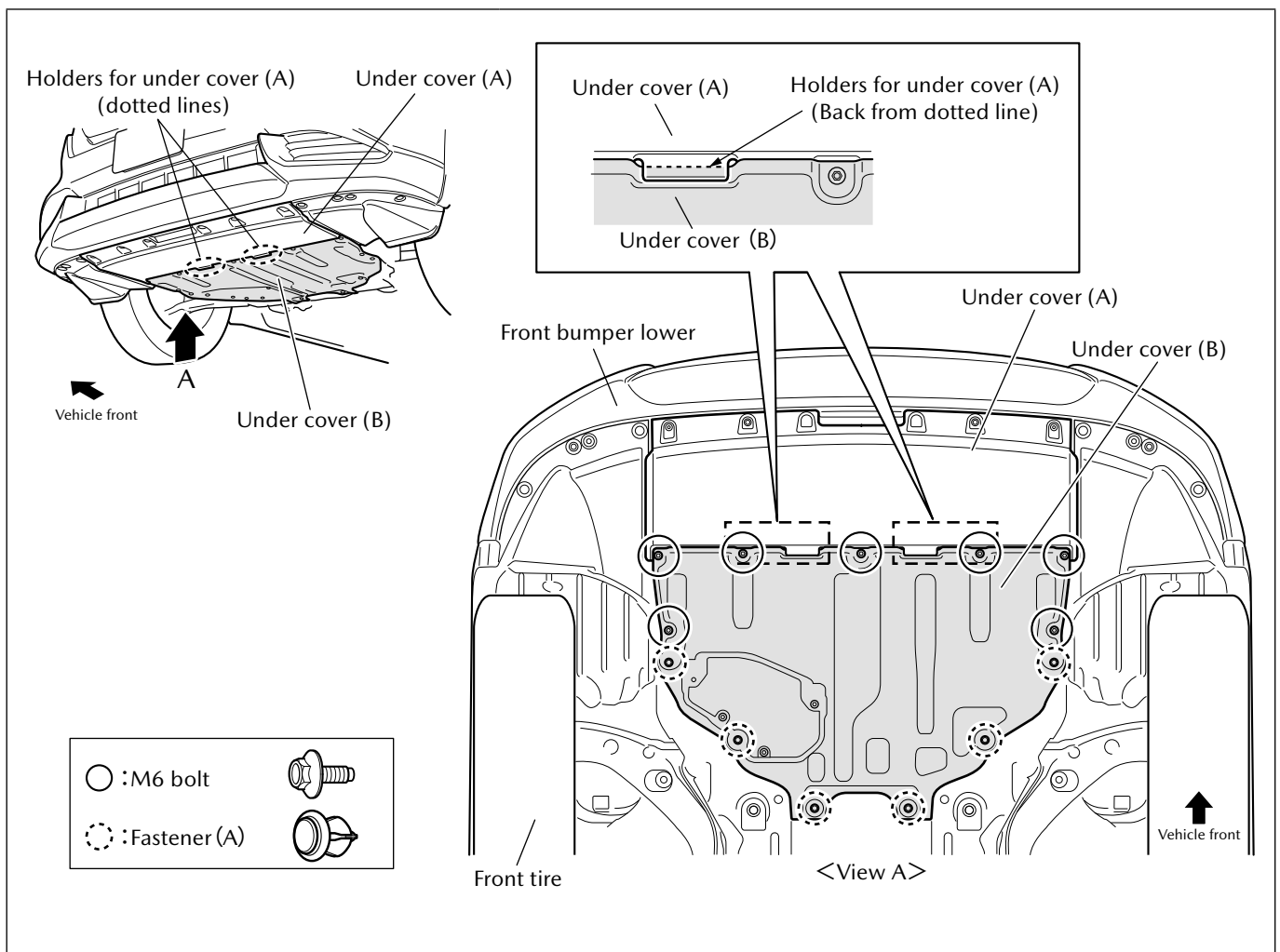


- Before starting work, lift up the vehicle to allow enough space under the vehicle for working.
- The illustrations showing the work procedure are for the left side of the vehicle; the same steps should be carried out for the right side as well.
- The removed fasteners will be reused, so be careful not to lose them.

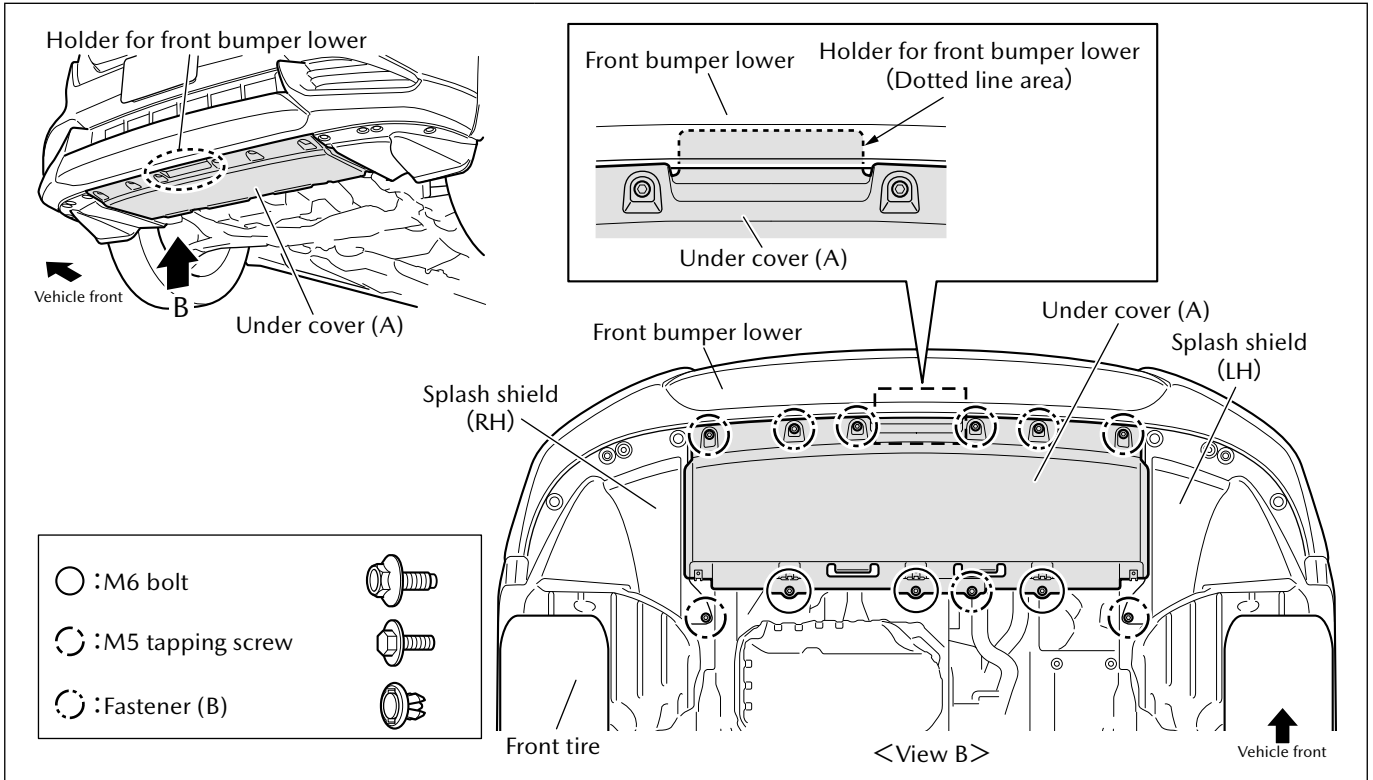
6. VEHICLE PART REMOVAL

Vehicle part (under cover) removal

1. Remove the M6 bolts (marked with ○ : 7 places) and the fasteners (A) (marked with ⊙ : 6 places) which are securing the under cover (B).
2. Move the under cover (B) toward the rear of the vehicle to remove it from the holders for the under cover (A), and then pull under cover (B) out from the vehicle to remove it.



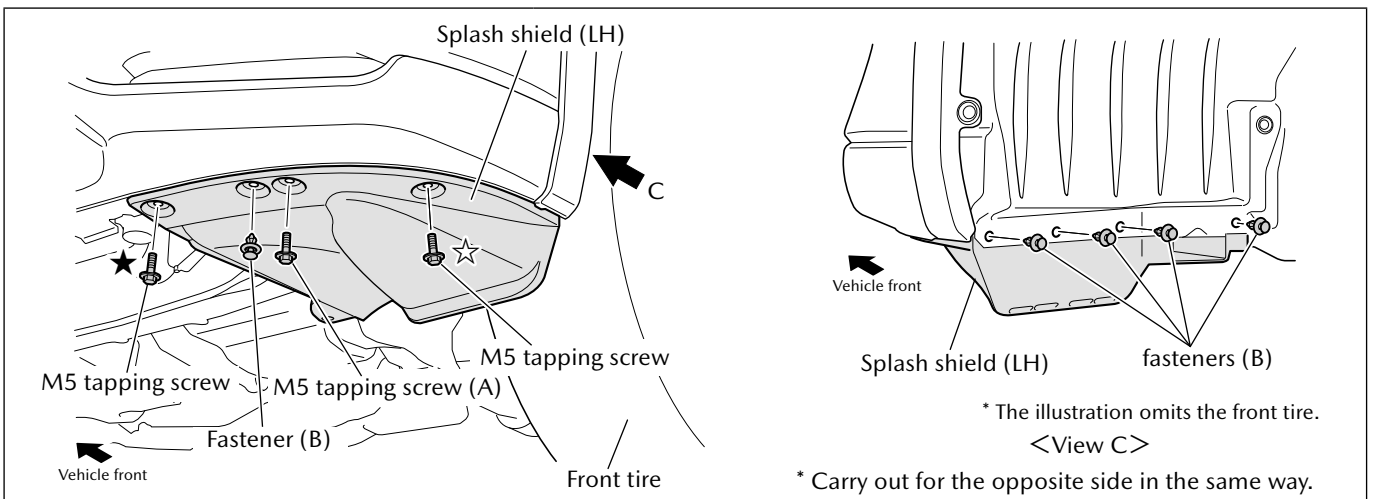
- Remove the M6 bolts (marked with ○ : 3 places), the M5 tapping screws (marked with ⊙ : 4 places) and the fasteners (B) (marked with ⊕ : 3 places) which are securing the under cover (A), and also remove the splash shield (LH), the splash shield (RH) and the M5 tapping screws (marked with ⊙ : 1 each at left and right).
- Move the under cover (A) toward the rear of the vehicle to remove it from the holder for the front bumper, and then pull the under cover (A) out from the vehicle to remove it.




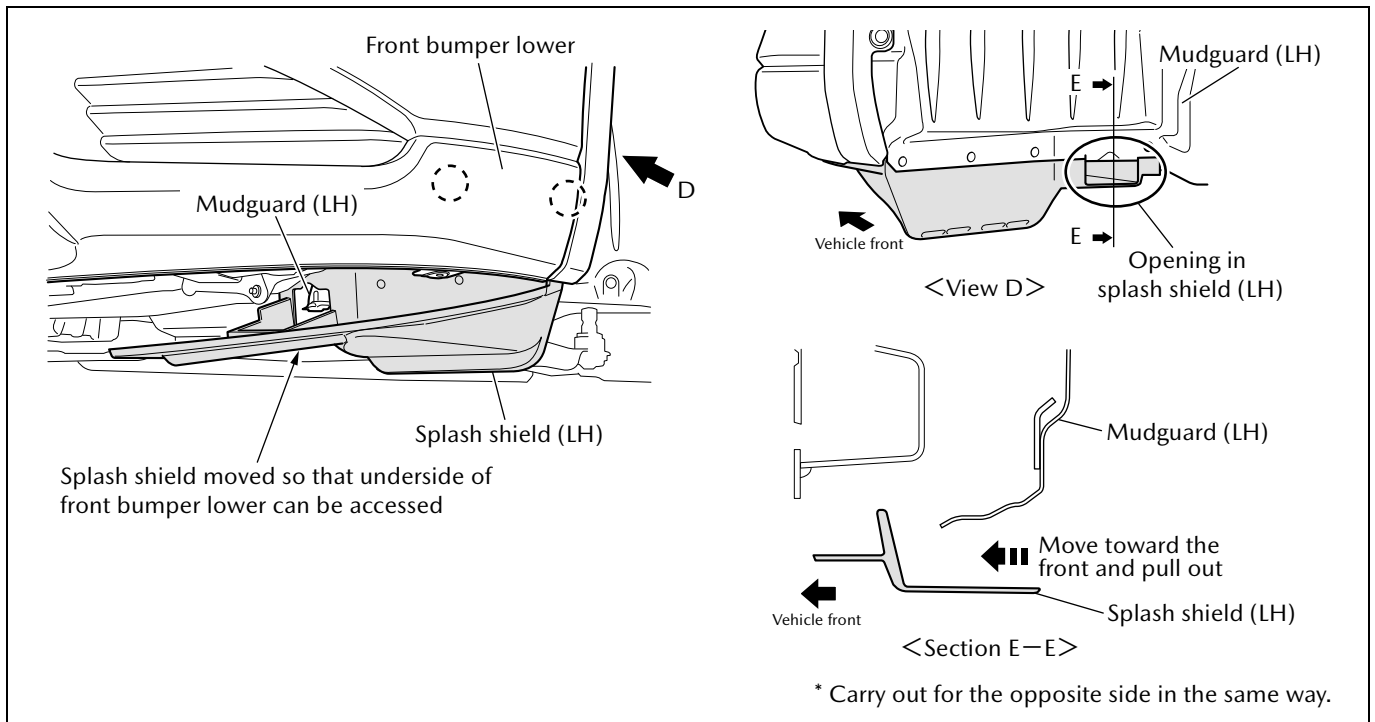
Vehicle part (splash shield) removal

- Remove the fasteners (B) (5 places) and the M5 tapping screws (3 places) which are securing the splash shield (LH).

- The tapping screw at the position indicated by ★ will not be reused.
- The tapping screw at the position indicated by ☆ will not be reused for securing the splash shield (LH), but it will be reused when installing the front garnish, so be careful not to lose it.



2. Move the mudguard (LH) toward the front of the vehicle and pull it out from the opening in the splash shield (LH), and then move the splash shield as shown in the figure so that the  part of the underside of the front bumper lower can be accessed.



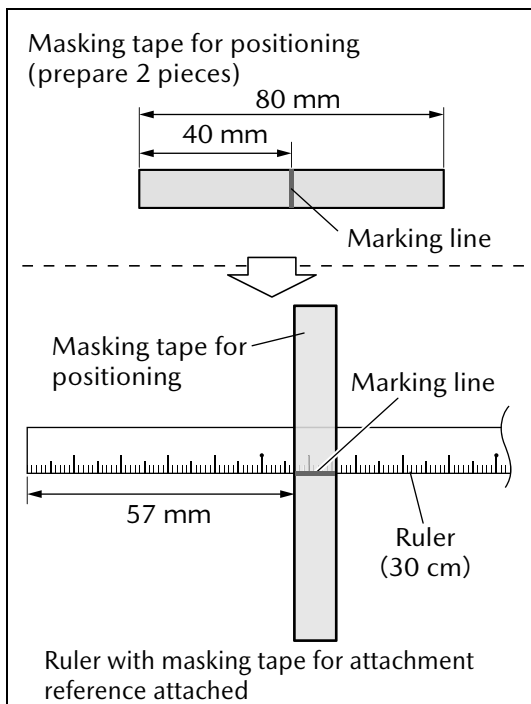
7. DEFLECTOR (SEPARATE PURCHASE) INSTALLATION

These steps are to be carried out for vehicles which have only an under garnish set (black) installed.

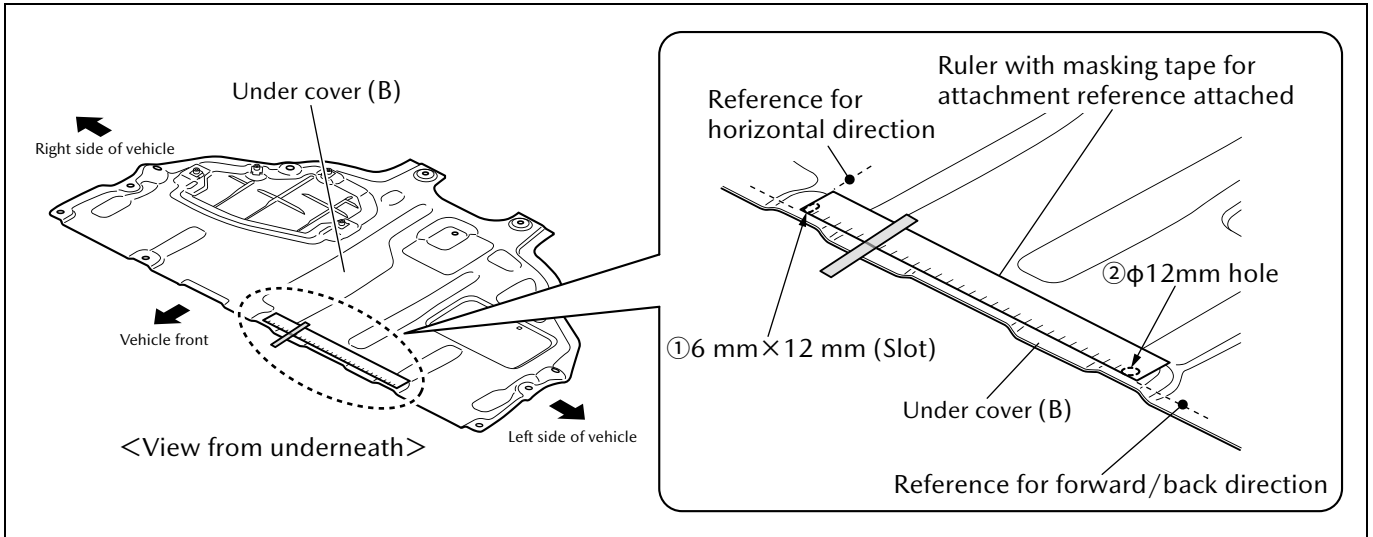
They do not need to be carried out for vehicles which have both an under garnish set (black) and a rear spoiler installed, so in such cases, proceed to "Preparation for drilling front garnish mounting holes" (page 11).

Deflector positioning

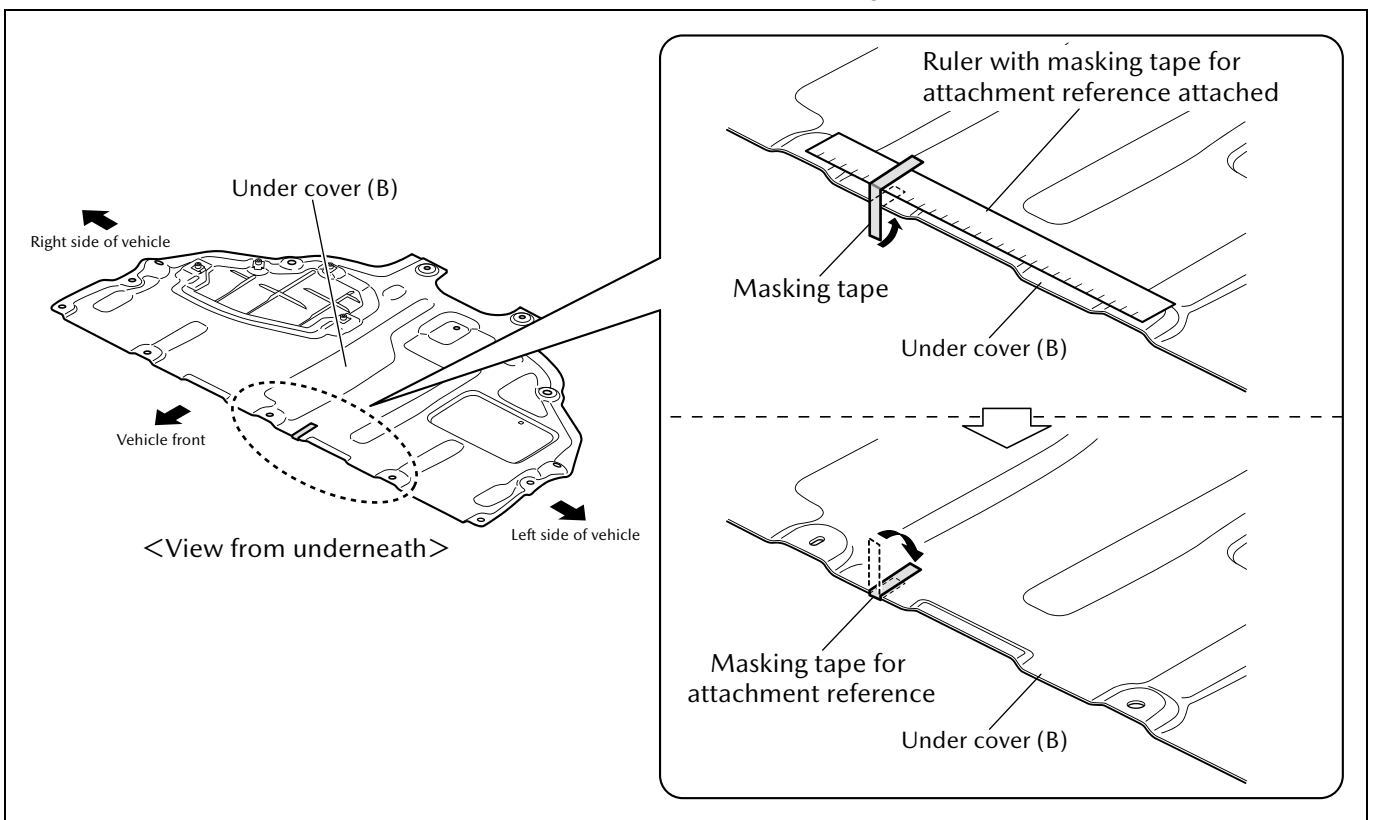
1. Cut some 10 mm width masking tape into lengths of 80 mm each, and prepare two pieces with lines drawn on them for positioning marks at the 40 mm positions (centers).
2. Attach a single piece of masking tape for attachment reference at the 57 mm position of the ruler (30 cm) as shown in the figure at left.



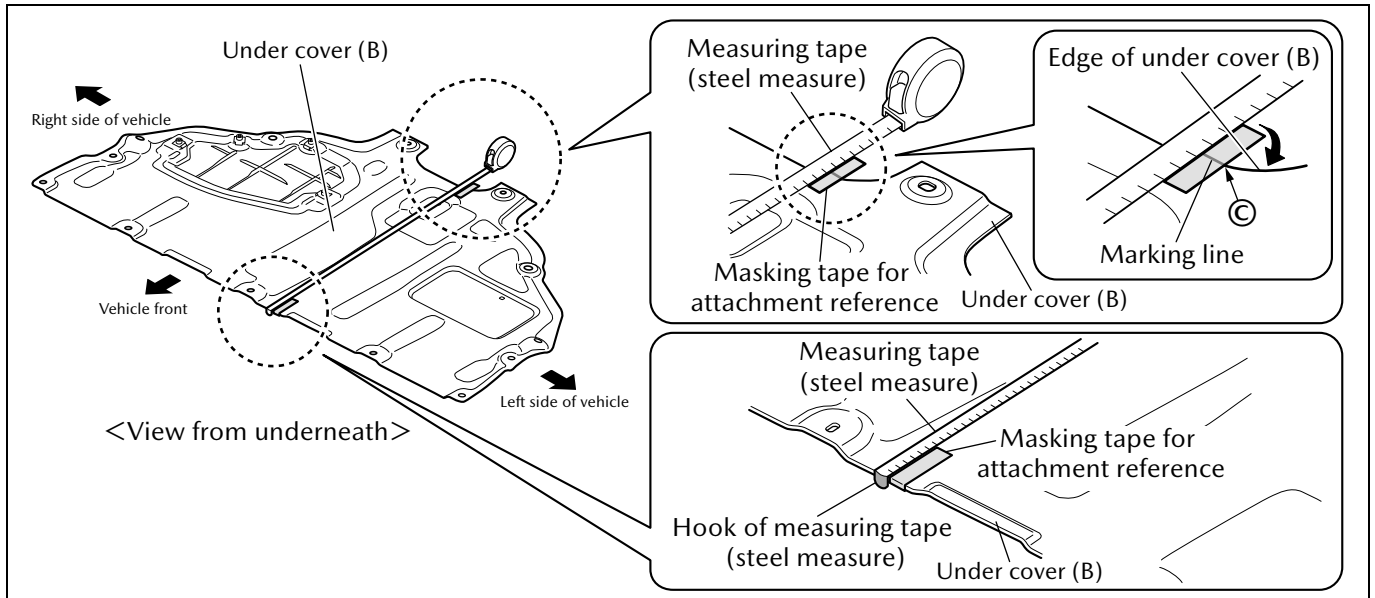
- Place the ruler with the masking tape for attachment reference attached onto the under cover (B) which was removed in step 2 of "Vehicle part (under cover) removal" (page 5) so that it is aligned with the straight line at the hole ① as the reference in the horizontal direction, and the line which connects the intersection of ① and ② as the reference in the forward/back direction, and press it down with your finger so that it does not move.



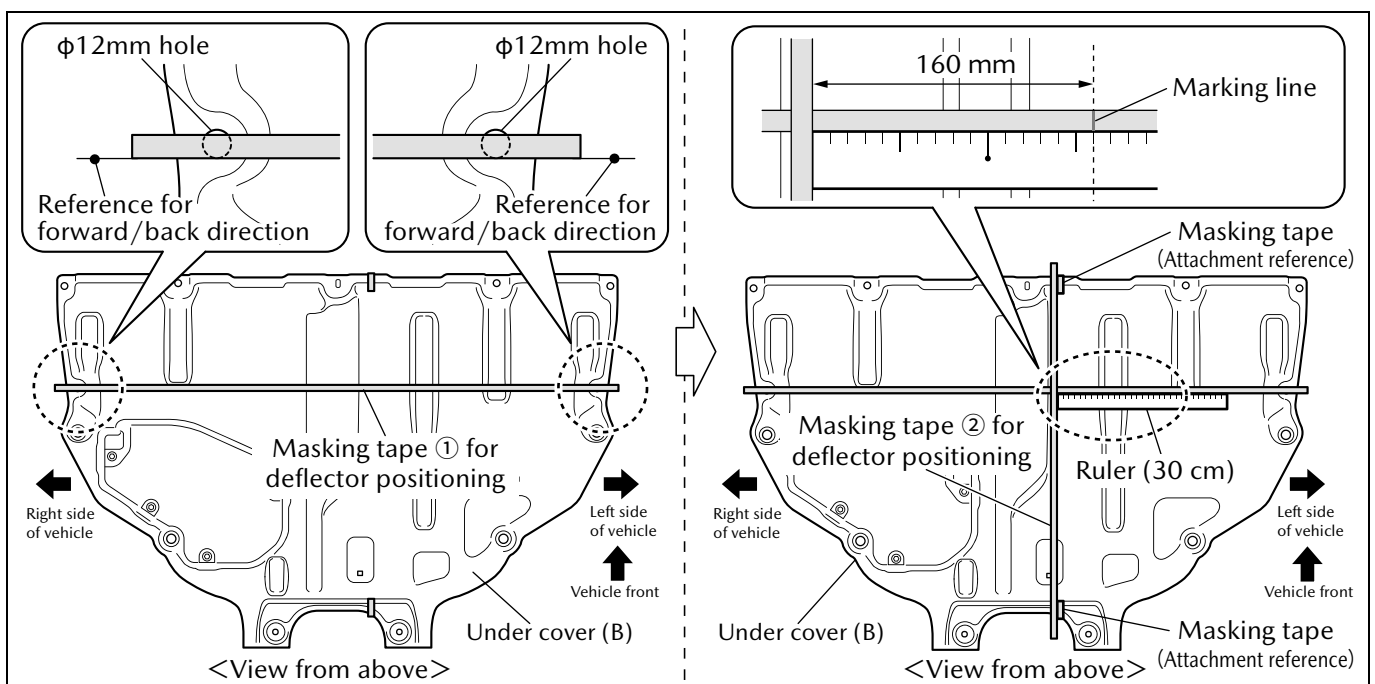
- Fold the masking tape outward along the marked line, and attach it to the surface of under cover (B) as shown in the figure below.
- Peel off the masking tape from the ruler and remove the ruler, and then attach along the underside of the under cover (B).



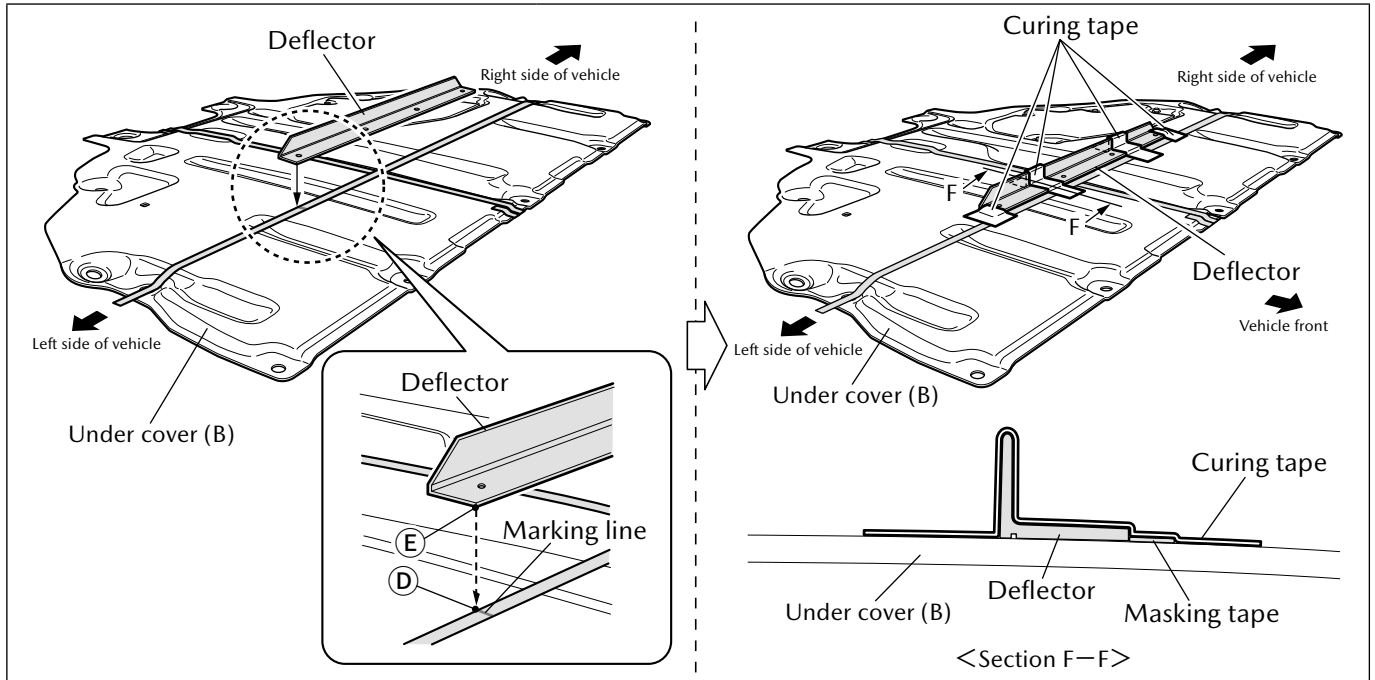
- Hook the end of the measuring tape (steel measure) onto under cover (B) using the masking tape for attachment reference which was attached in step 5 on page 8 as a guide, and then roll out the tape toward the rear of the vehicle and lock it as shown in the figure below.
- Using the measuring tape (steel measure) as a guide, attach the masking tape as an attachment reference so that the edge of the under cover (B) and the marking line are aligned at point © as shown in the figure below, and then fold the masking tape outward along the marked line, and wrap it around the surface of the under cover (B).



- Attach the masking tape ① for deflector positioning as shown in the figure below, using the line at the rear of the vehicle which connects the two $\phi 12$ mm holes on both sides as the forward/back reference.
- Attach the masking tape ② for deflector positioning using the pieces of masking tape which were attached as reference in step 5 on page 8 and step 7 on page 9 as guides.
- Position the ruler using the masking tape ① and ② for deflector positioning as guides, and then make a marking line on the masking tape ② for deflector positioning as shown in the figure below.



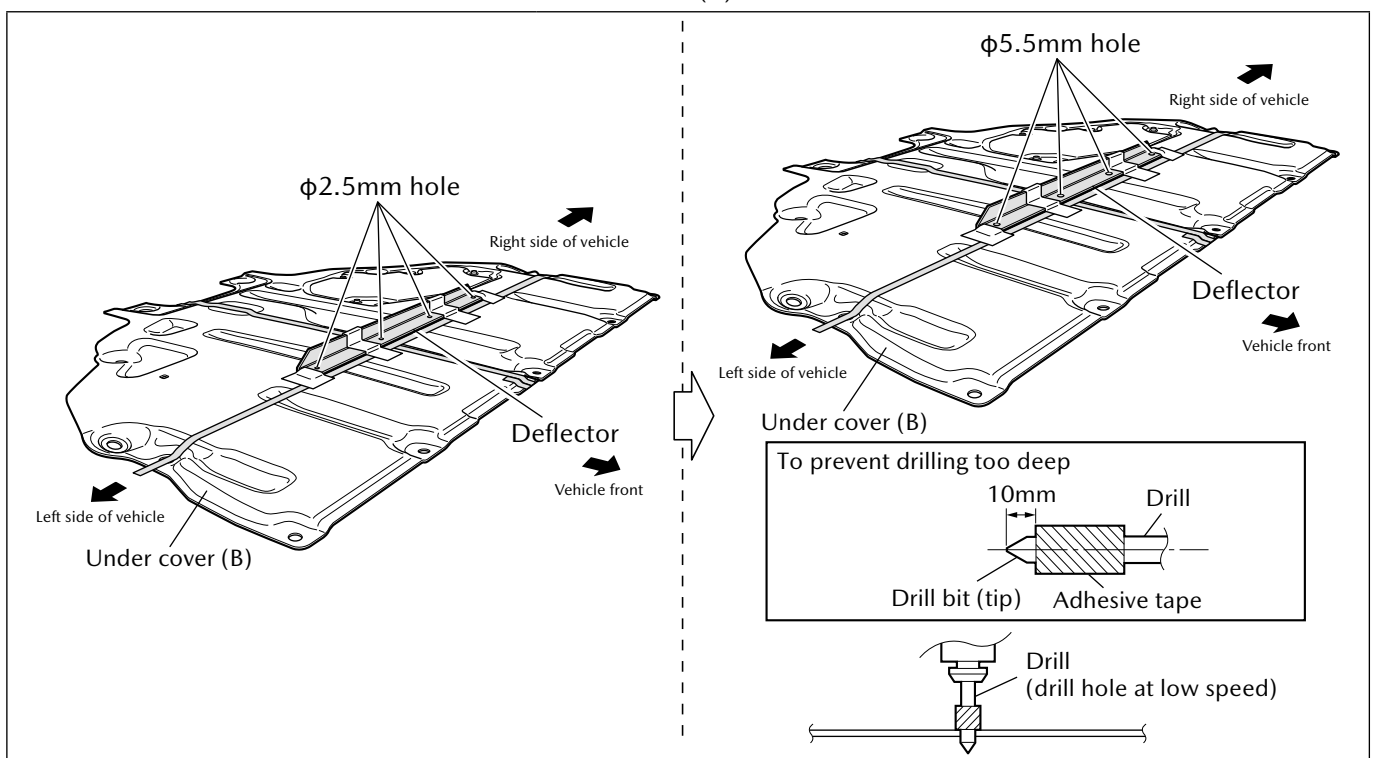
11. Position the deflector on the under cover (B) so that it follow masking tape ② for deflector positioning, and so that point ④ on the marking line which was drawn on the masking tape ② for deflector positioning in step 10 on page 9 is aligned with point ⑤ on the deflector.
12. With the deflector in that position, securely attach 38 mm width curing tape to it in 4 places as shown in the figure below so that it does not move.



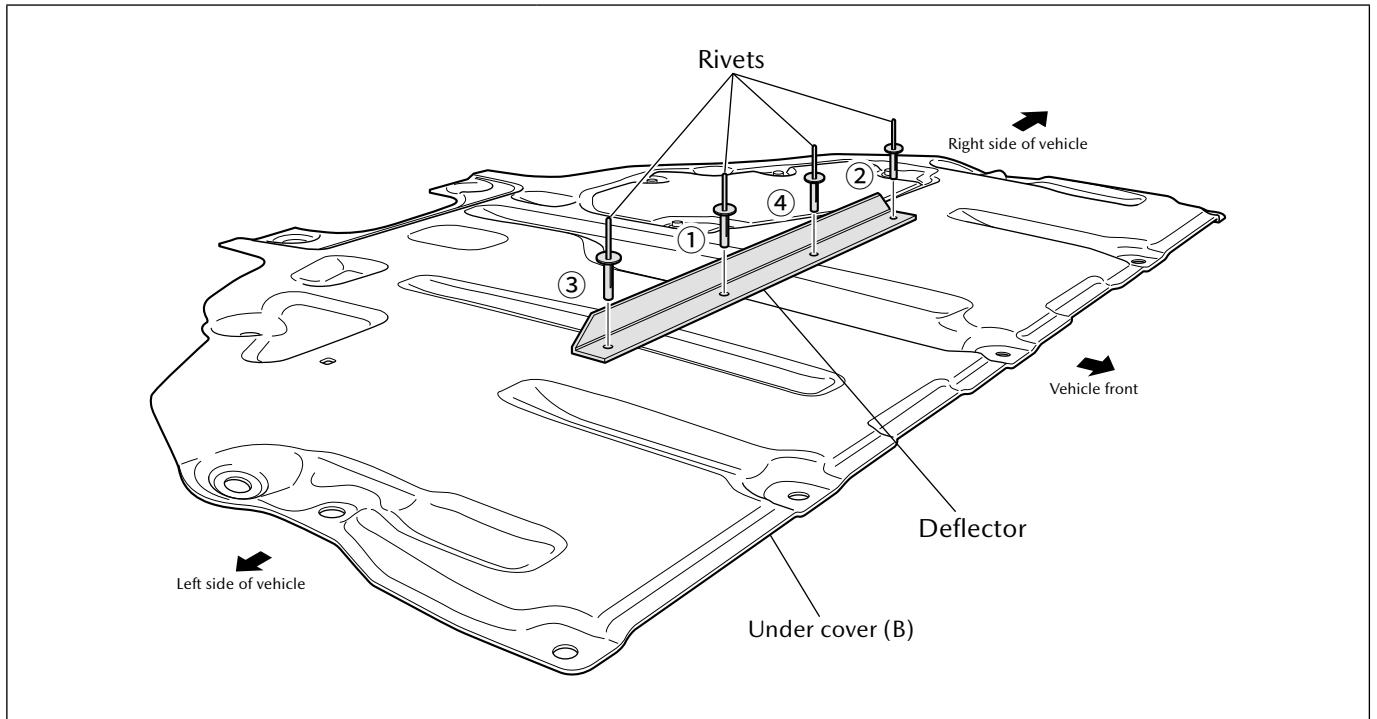
13. Make $\phi 5.5$ mm holes in the under cover (B) and the deflector together (in 4 places) in stages using the four $\phi 2.5$ mm holes in the deflector as guides.

• $\phi 5.5$ mm hole : $\phi 2.5$ mm \rightarrow $\phi 5.5$ mm

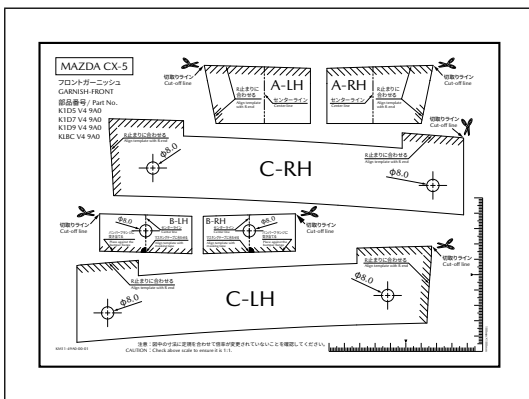
14. Peel off all of the curing tape which is securing the deflector and the masking tape which has been attached to the under cover (B).



- Check that the centers of the holes in the deflector and the under cover (B) are all aligned, and then insert rivets (4 places) and crimp them in the order of ① to ④ as shown in the figure below.



8. PREPARATION FOR FRONT GARNISH INSTALLATION

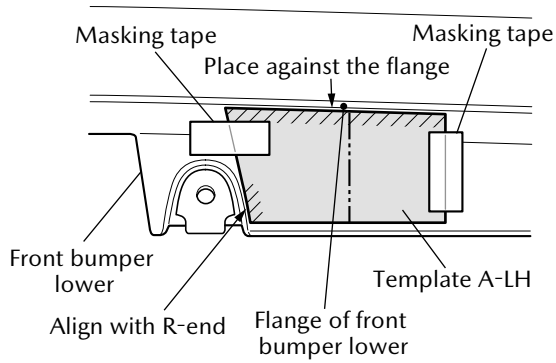


Preparation for drilling front garnish mounting holes

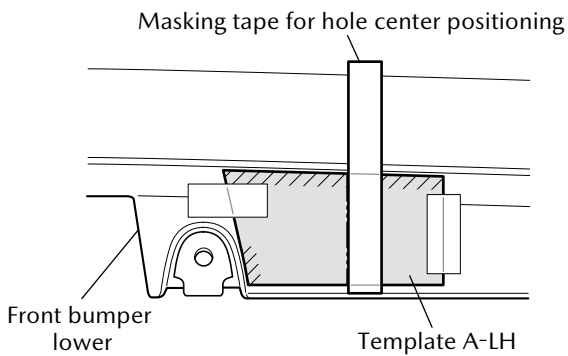
- Cut out the templates for drilling the mounting holes. (3 each for RH and LH)


- Use 10 mm masking tape to attach template A-LH, template B-LH and template C-LH to the front bumper lower by the procedure shown in the figure below.

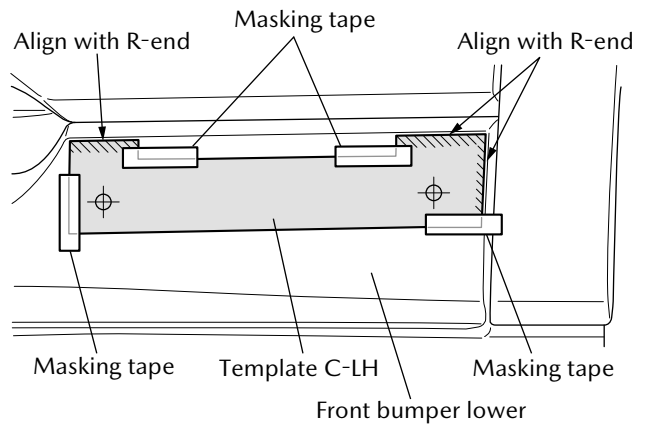
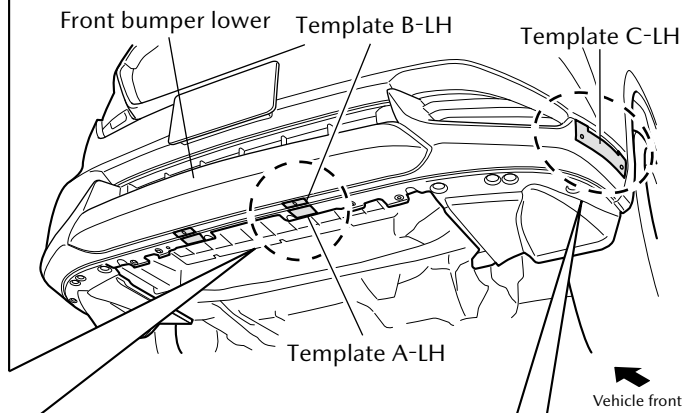
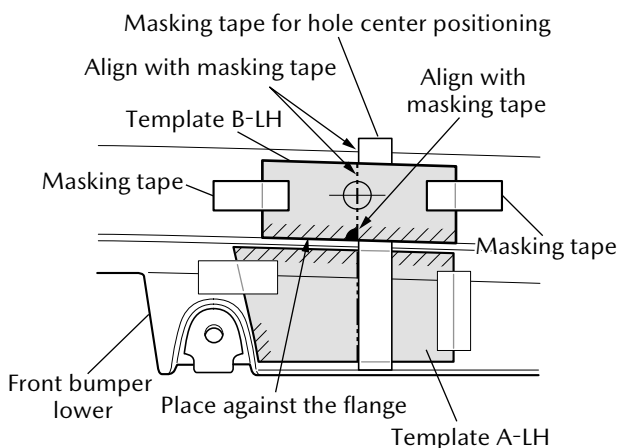
- Place template A-LH against the flange of the front bumper lower, and then align it with the R-end of the seating surface and attach it with 10 mm width masking tape.



- Cut a piece of 10 mm width masking tape into an 80 mm length for positioning the hole centers.
- Attach the cut piece of masking tape to the surface of the front bumper lower so that it is aligned with the center line of the template A-LH.



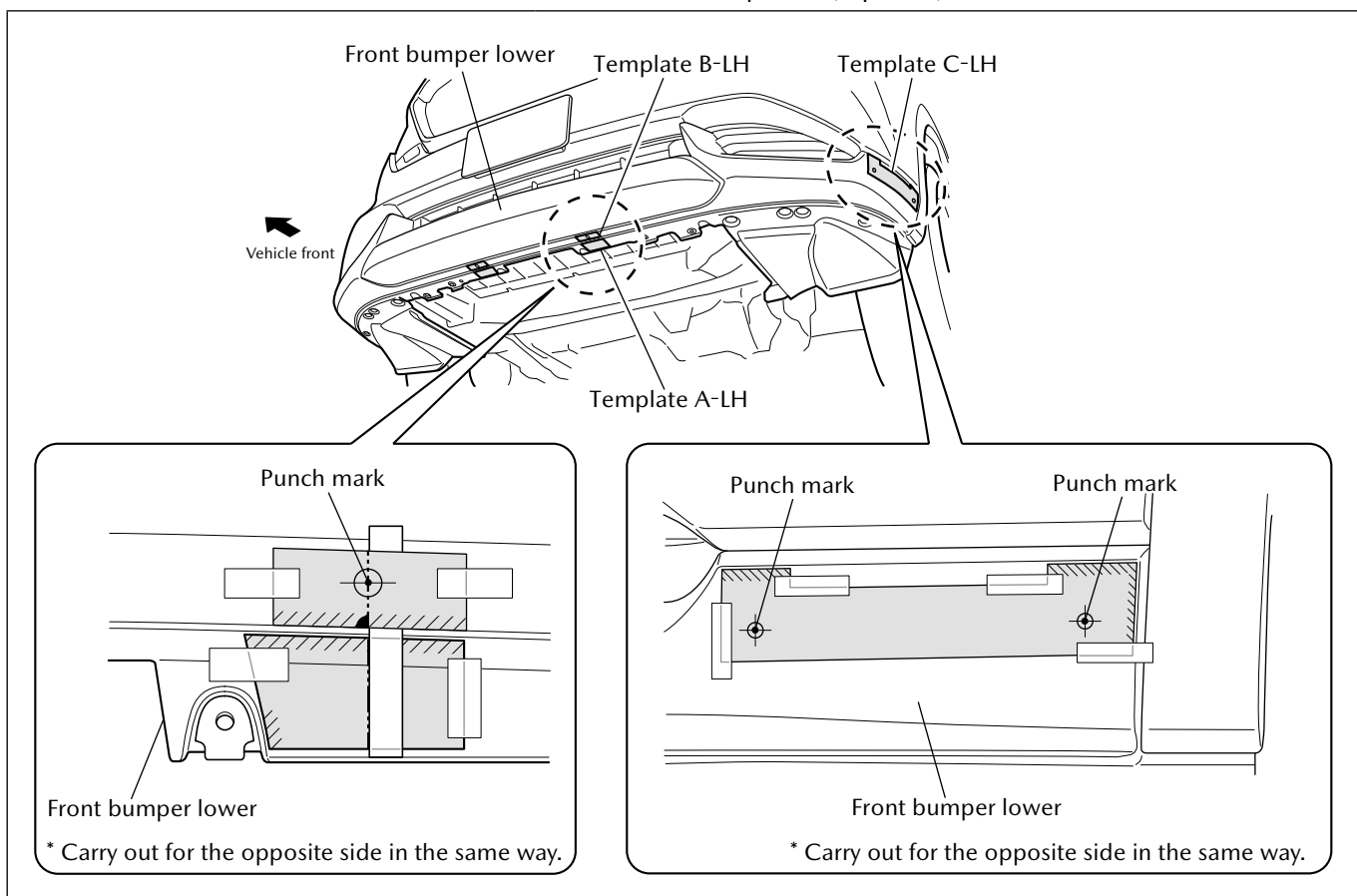
- Place template B-LH against the flange of the front bumper lower so that the  mark and the center line are aligned with the marking tape for hole center positioning, and then attach it with the 10 mm width masking tape.



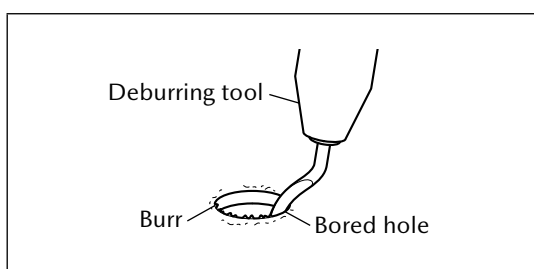
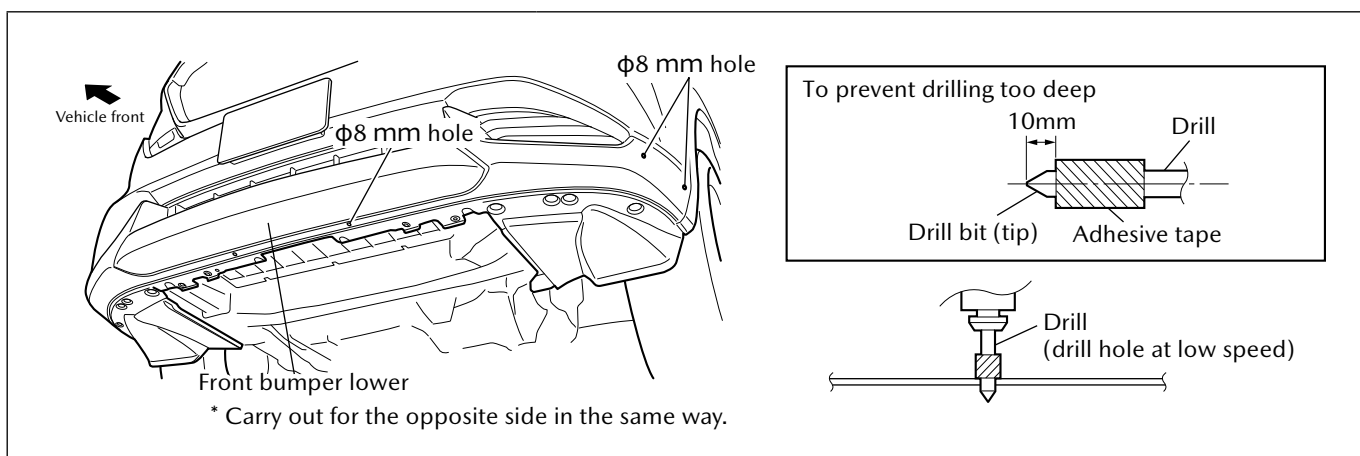
* Carry out for the opposite side in the same way.

Front garnish mounting hole drilling

1. Use a punch to make marks at the centers of the $\phi 8$ mm holes in the templates. (3 places)



2. Remove the templates.
3. Use the drill to drill $\phi 8$ mm holes (in 3 places) in stages at the locations of the marks.
($\phi 8$ mm hole : $\phi 3$ mm \rightarrow $\phi 6$ mm \rightarrow $\phi 8$ mm)



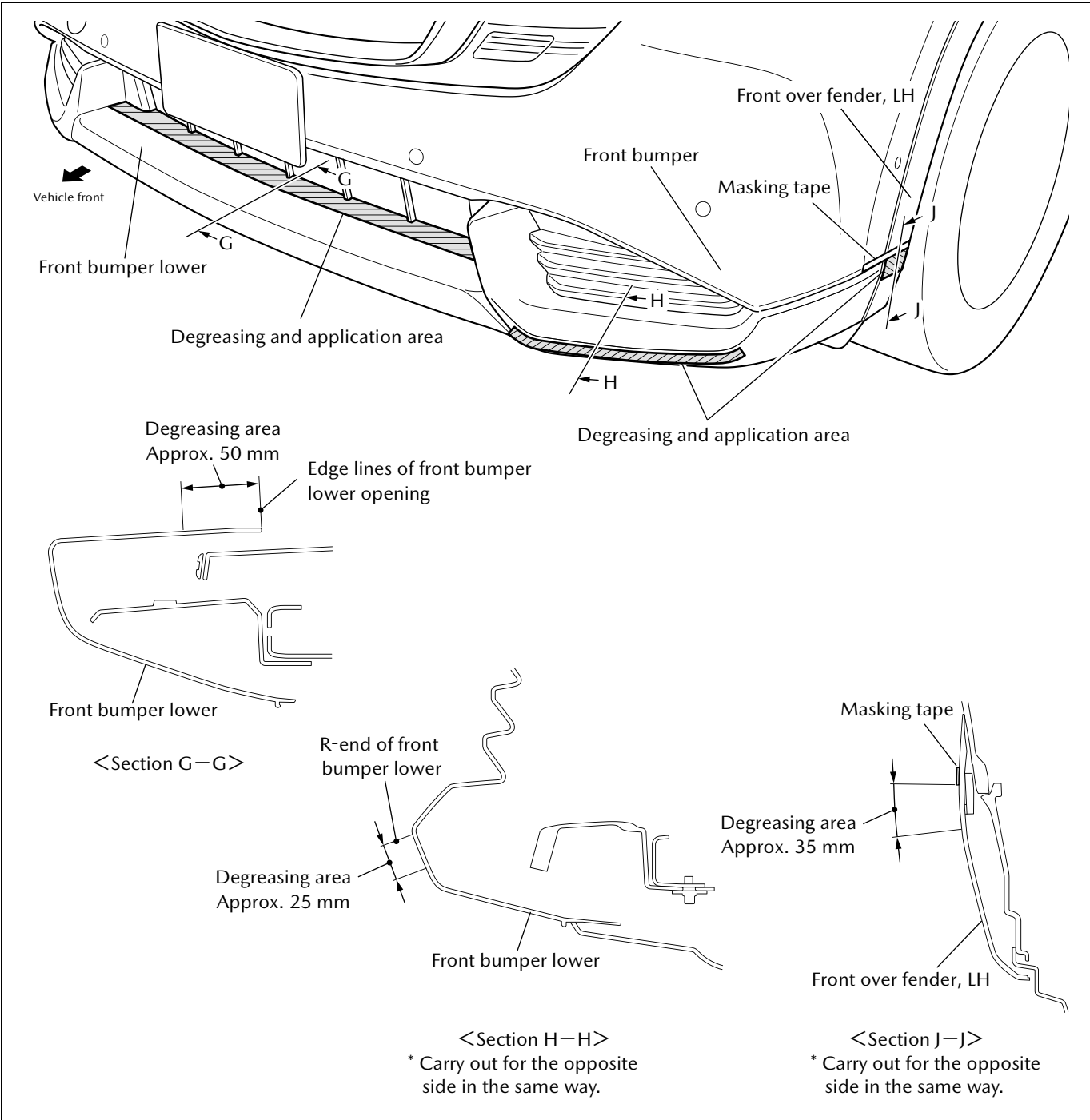
4. After drilling the hole, use a deburring tool to fully remove any burrs from the hole.
5. Drill on the opposite side in the same way.

9. FRONT GARNISH INSTALLATION

Degreasing of the front bumper lower

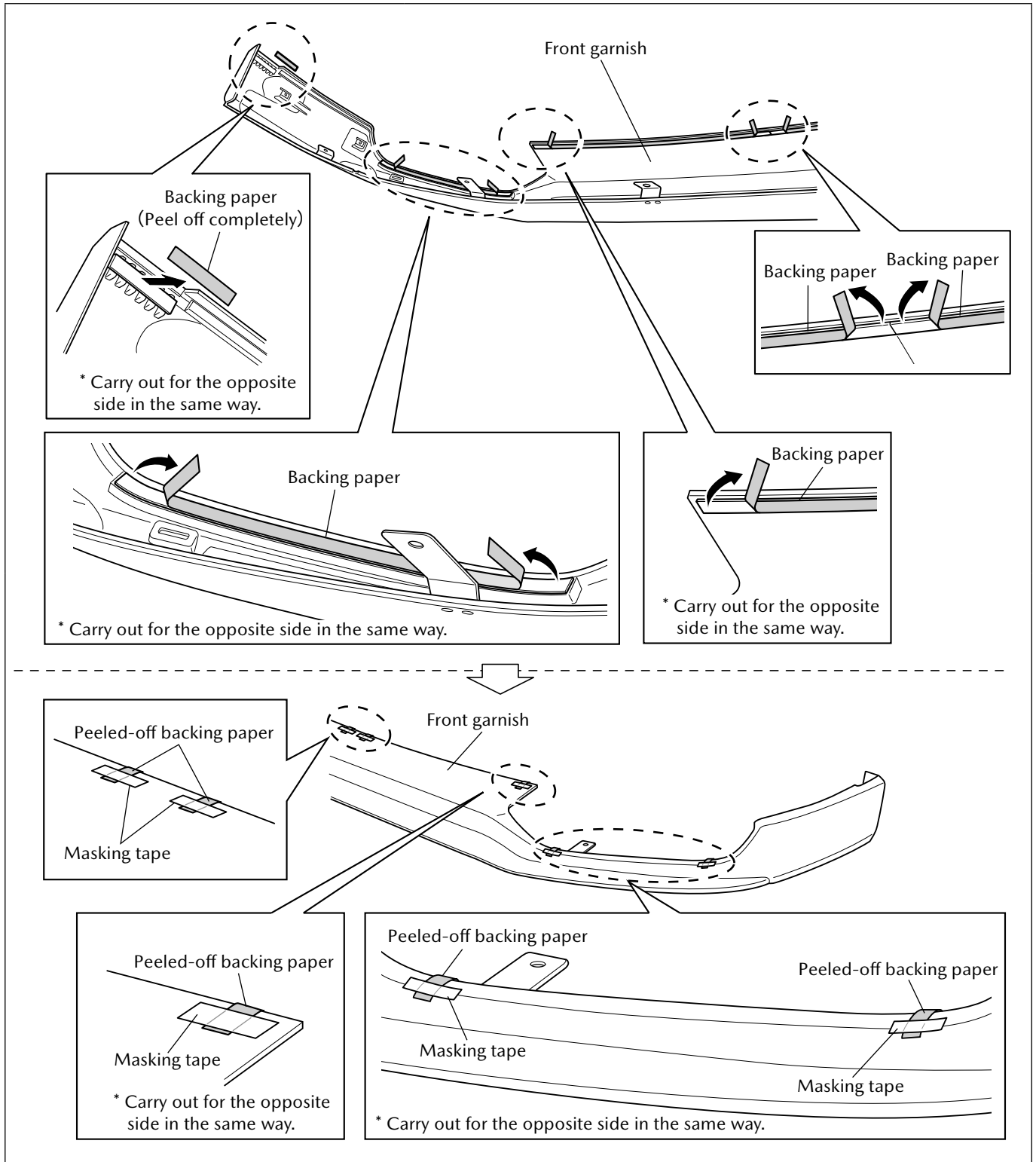
1. Use IPA (isopropyl alcohol) or white gasoline to degrease the shaded area shown in the figure below. Once the area has fully dried, peel off the masking tape.

• After degreasing, let the area dry completely.

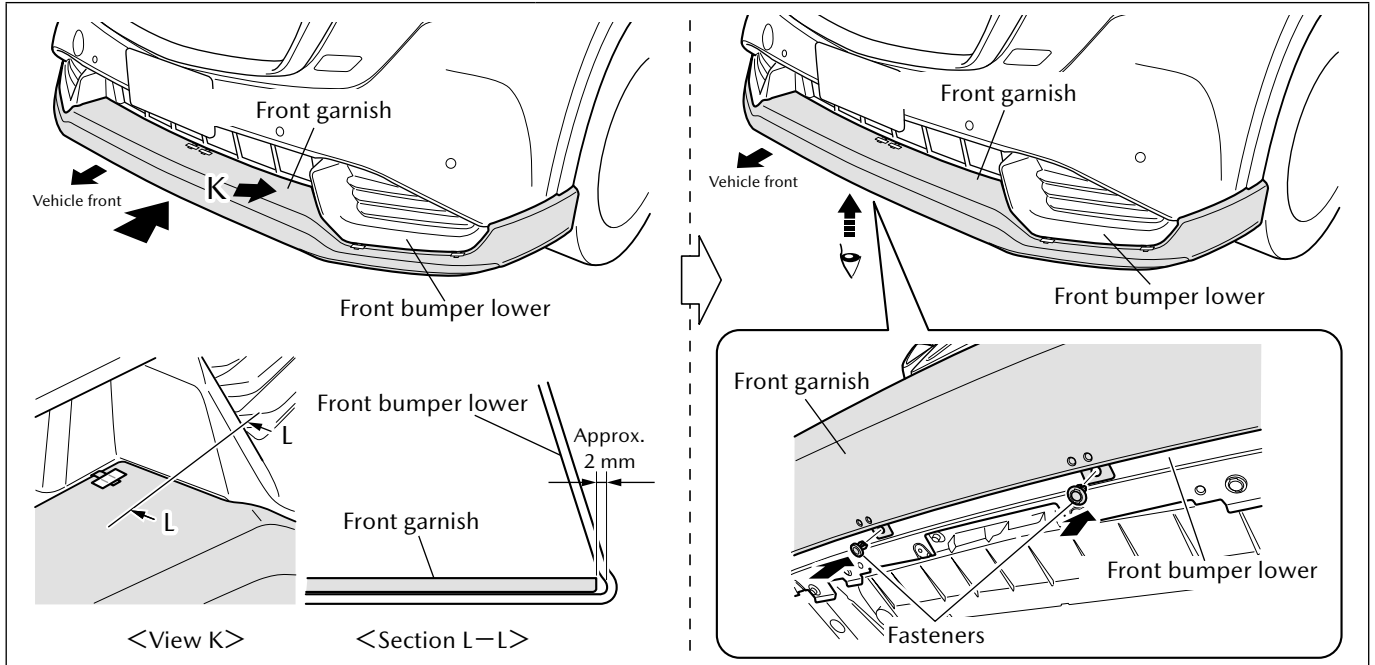


Front garnish installation and tightening

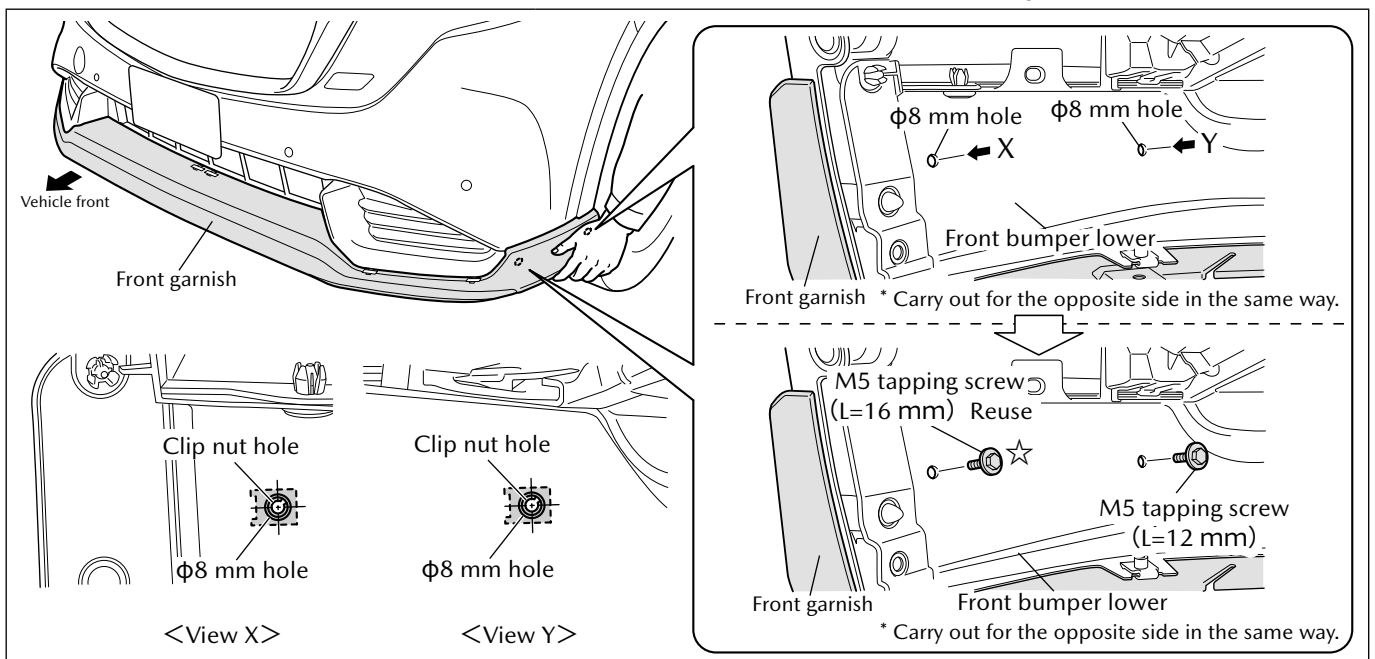
1. Peel off the backing paper on the front garnish, LH, by 25 mm in two places and peel it off completely in one place as shown in the figure below.
2. Secure the ends of the pieces backing paper which have been peeled off by about 25 mm to the top surface of the front garnish with 10 mm masking tape.



- Provisionally place the front garnish against the front bumper lower, and push it in the direction of the arrow until it stops moving.
- Adjust the horizontal position of the front garnish so that the gaps between the front bumper lower and the front garnish indicated at the cross-section are uniform at left and right.
- Install the fasteners (2 places) to provisionally secure the front garnish.

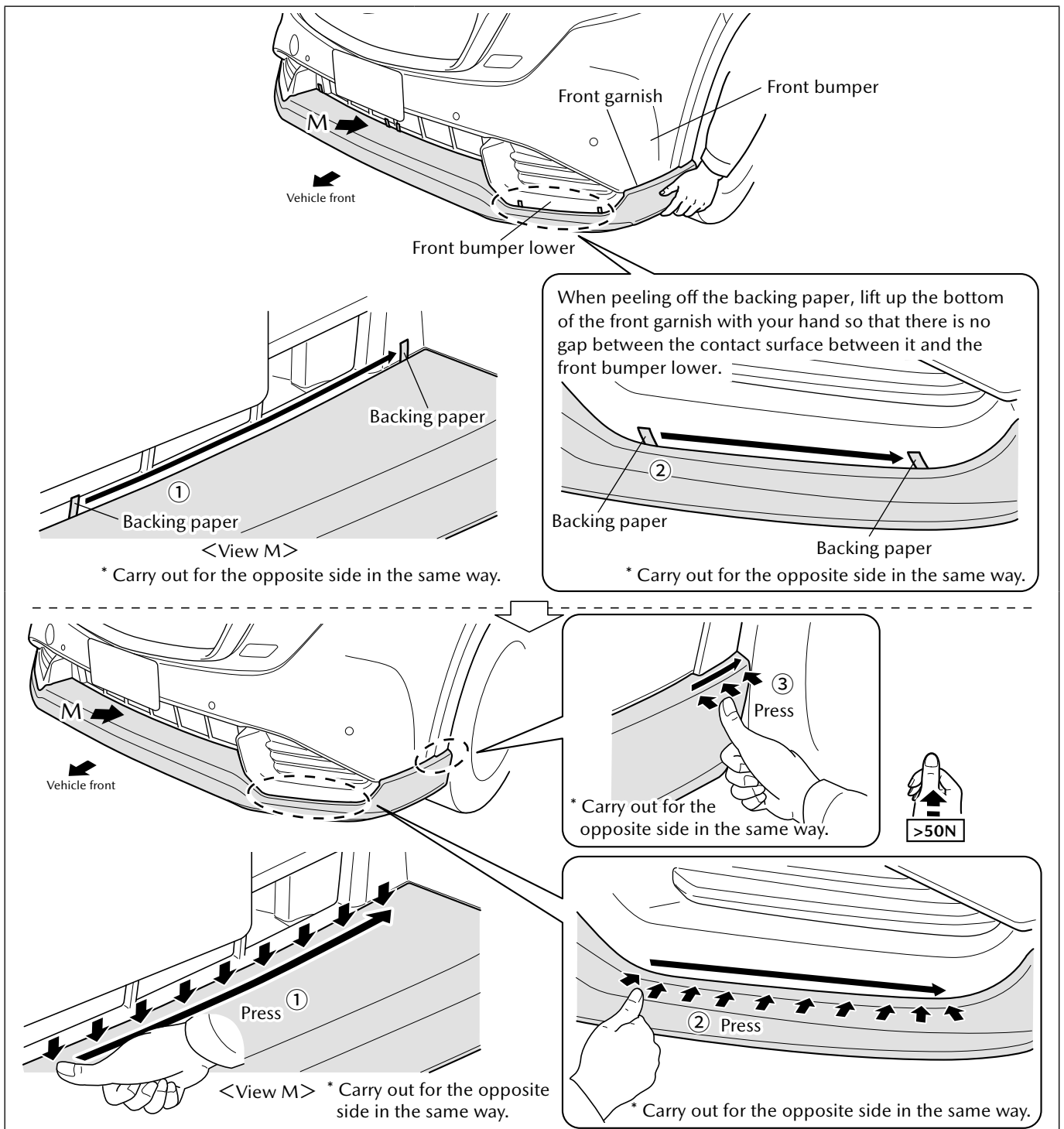


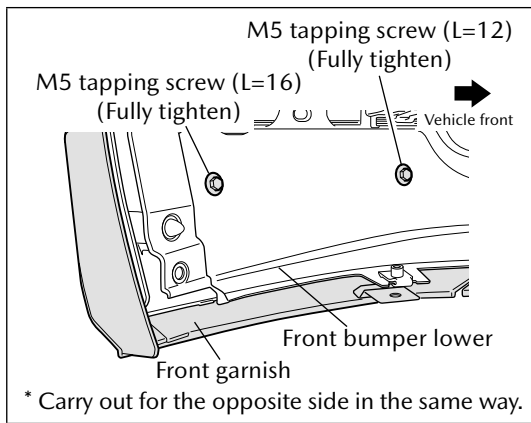
- While lifting up the bottom of the front garnish with your hand, check that the clip nut holes in the front garnish at the M5 tapping screw tightening positions (2 places each at left and right) are visible from the $\phi 8$ mm holes in the front bumper lower.
- In the condition after step 6, tighten the M5 tapping screw (L=12 mm) and the M5 tapping screw (L=16 mm) marked with ☆ which was removed in step 1 of "Vehicle part (splash shield) removal" on page 6 by hand to provisionally install the front garnish so that there is no gap between the front bumper and front bumper lower and the front garnish.



8. After checking that there are no gaps at the contact surface of the front bumper and the front bumper lower, peel off the backing paper in the directions of the arrows in the order of ① then ② .
9. Press down firmly at positions ① to ③ in that order in the directions of the arrows as shown in the figure below.

- The vehicle will be unstable while it is being lifted up, and so it may not be possible to attach the tape securely, so momentarily set the tires onto the ground so that the vehicle is stable, and then securely attach the tape.
- When attaching, press with enough force (50 N or more) so that the vehicle rocks slightly.
- Do not detach the tape once it has been attached. If it is detached once it has been attached, the adhesive strength will drop.





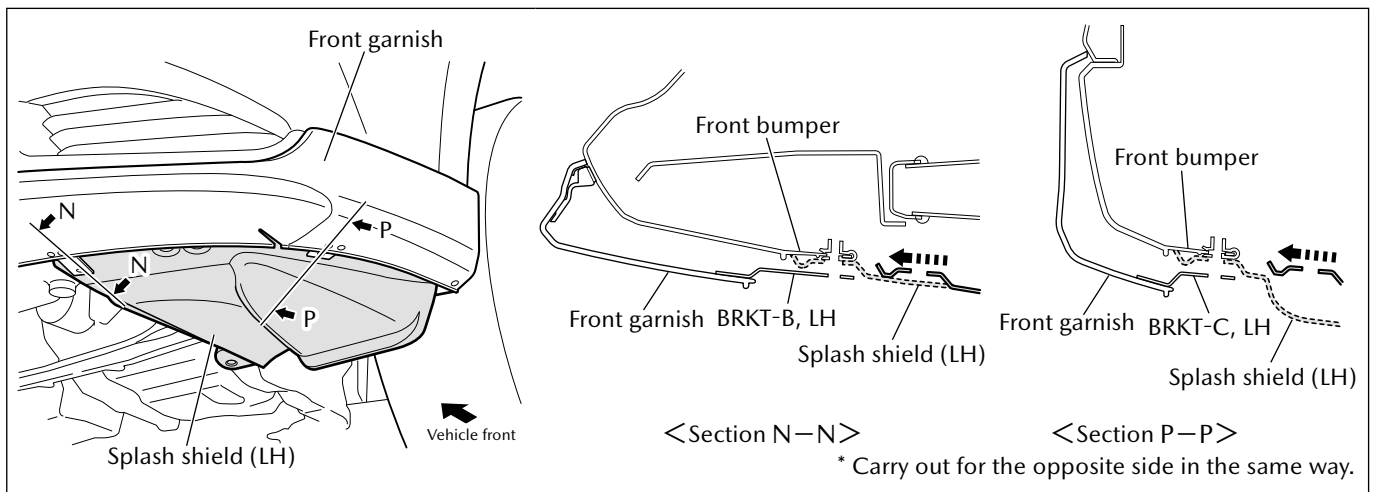
10. After lifting the vehicle back up, fully tighten the M5 tapping screw (L=12) and the M5 tapping screw (L=16) which were provisionally tightened in step 7 on page 16. (1 place each at left and right)

• M5 tapping screw tightening torque (L=12)、(L=16) :
(1.5—2.4N · m)

10. VEHICLE PART REASSEMBLY

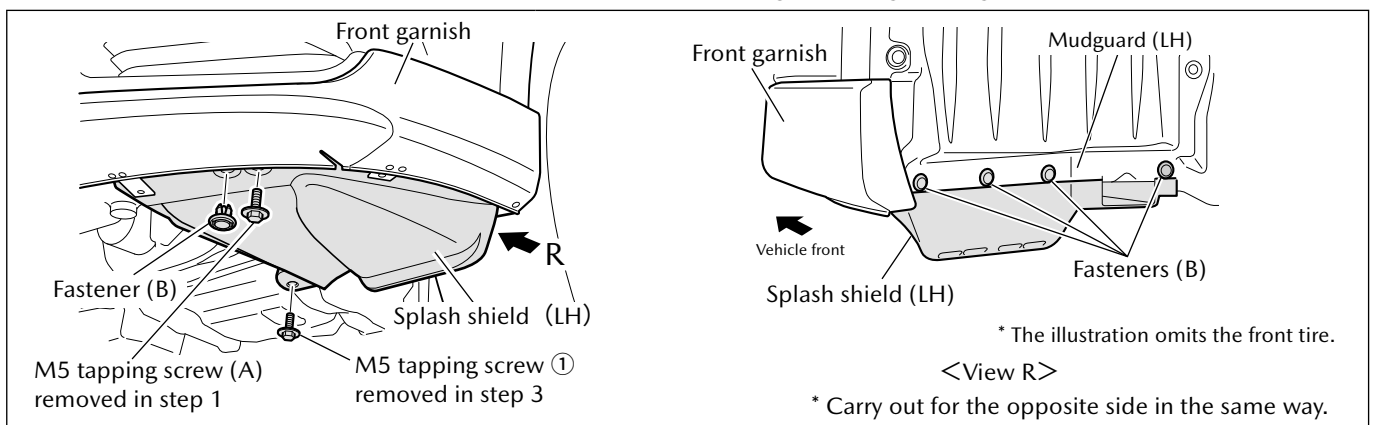
Vehicle part (splash shield) reassembly

- Return the splash shield (LH) which was moved in step 2 of "Vehicle part (splash shield) removal" (page 7) to its original position.
- Insert the splash shield (LH) in between the front bumper lower and BRKT-B, LH and BRKT-C, LH of the front garnish respectively in the direction of the arrows.

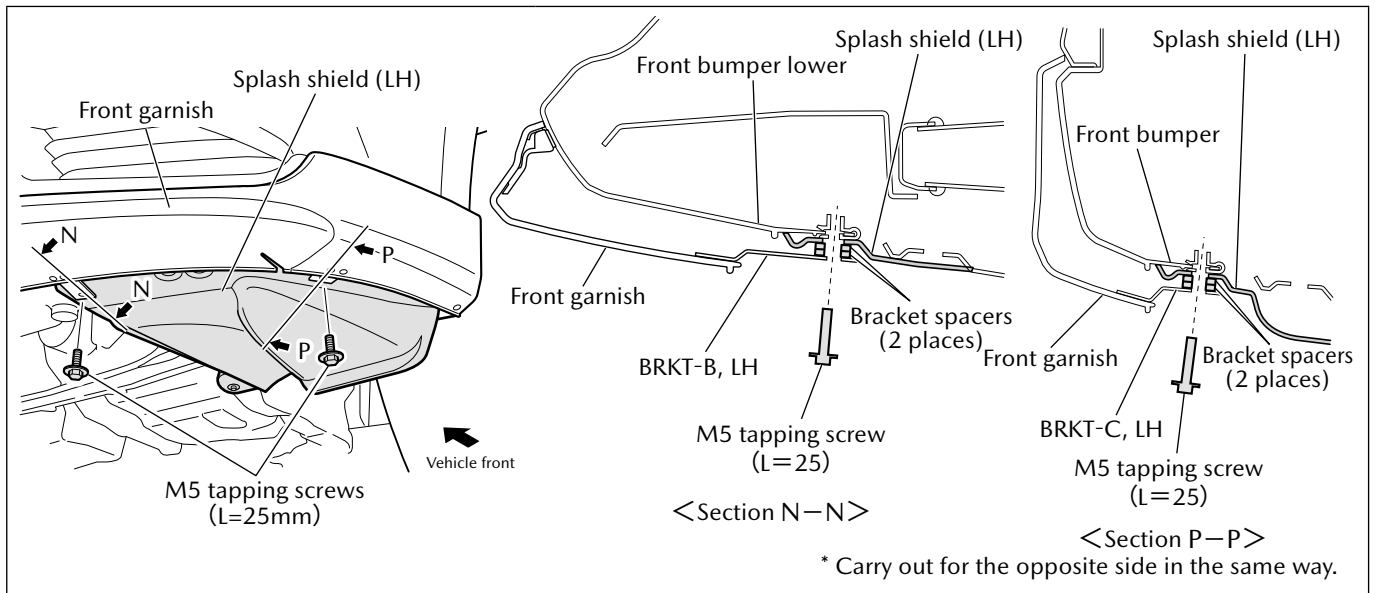


- Reinstall the M5 tapping screw ① (1 place) which was removed in step 3 of "Vehicle part (under cover) removal" (page 6) and the M5 tapping screw (A) (1 place) and the fasteners (B) (5 places) which were removed in step 1 of "Vehicle part (splash shield) removal" (page 6).

• M5 tapping screw tightening torque : (1.5—2.4N · m)

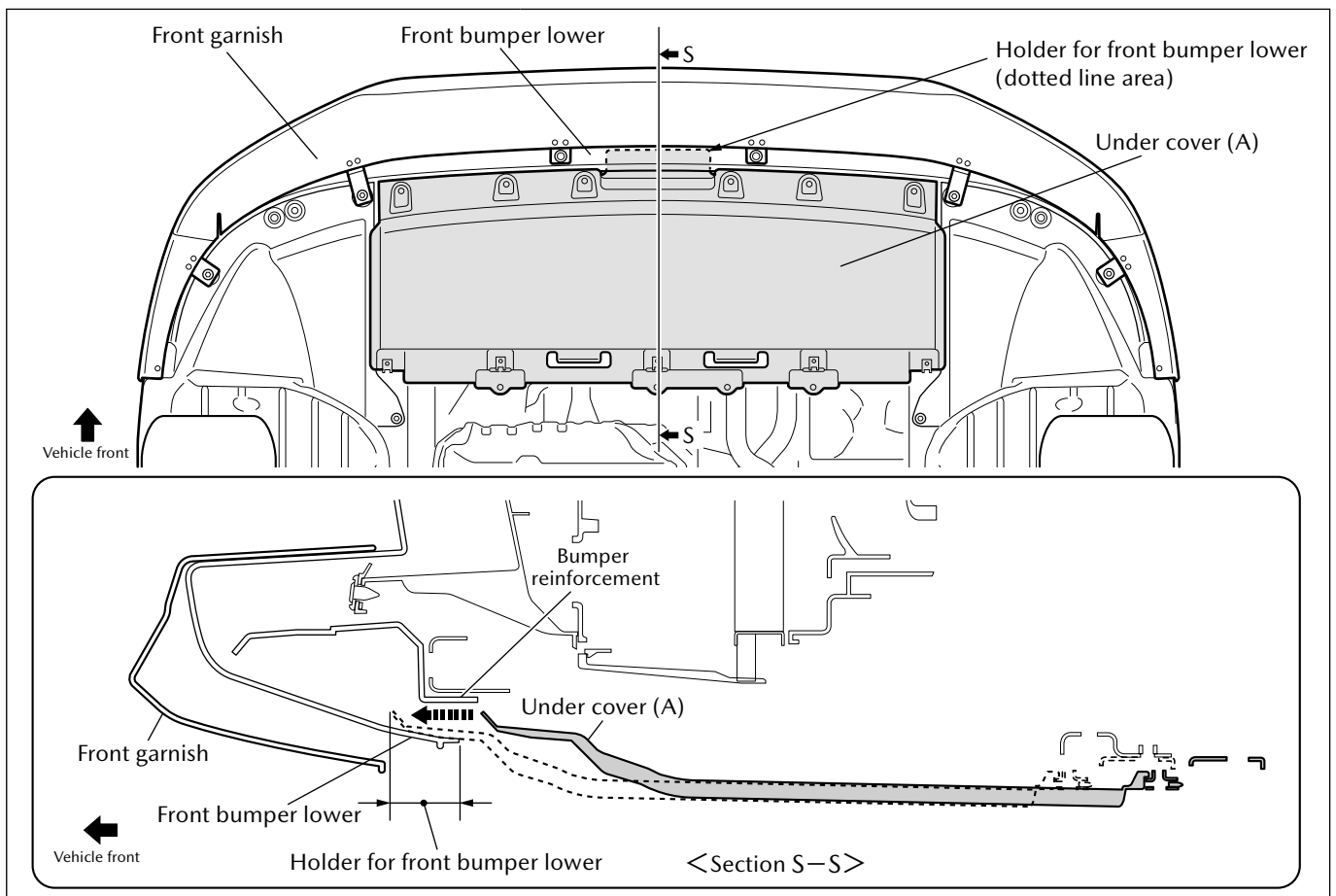





4. Insert the two spacers in between the splash shield (LH) and BRKT-B, LH and BRKT-C, LH of the front garnish respectively as shown in the figure below.
5. Provisionally install the splash shield (LH) and the front garnish with the M5 tapping screws (L=25).



Vehicle part (under cover) reassembly

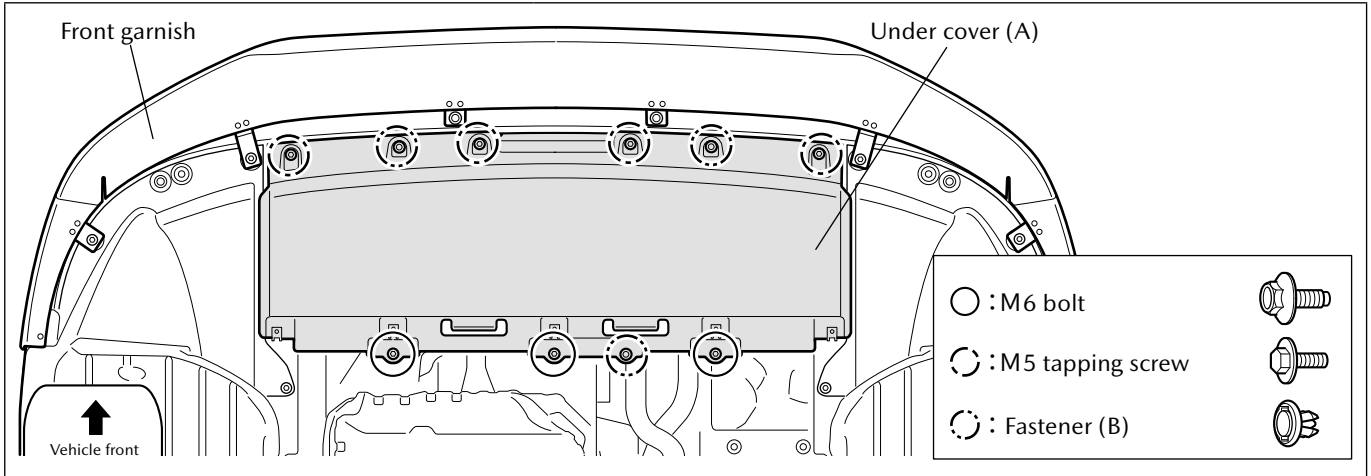
1. Provisionally place the under cover (A) onto the holder of the front bumper lower from the direction of the arrow (rear of vehicle) as shown in the figure below by the reverse of the procedure in step 4 in "Vehicle part (under cover) removal" (page 6).



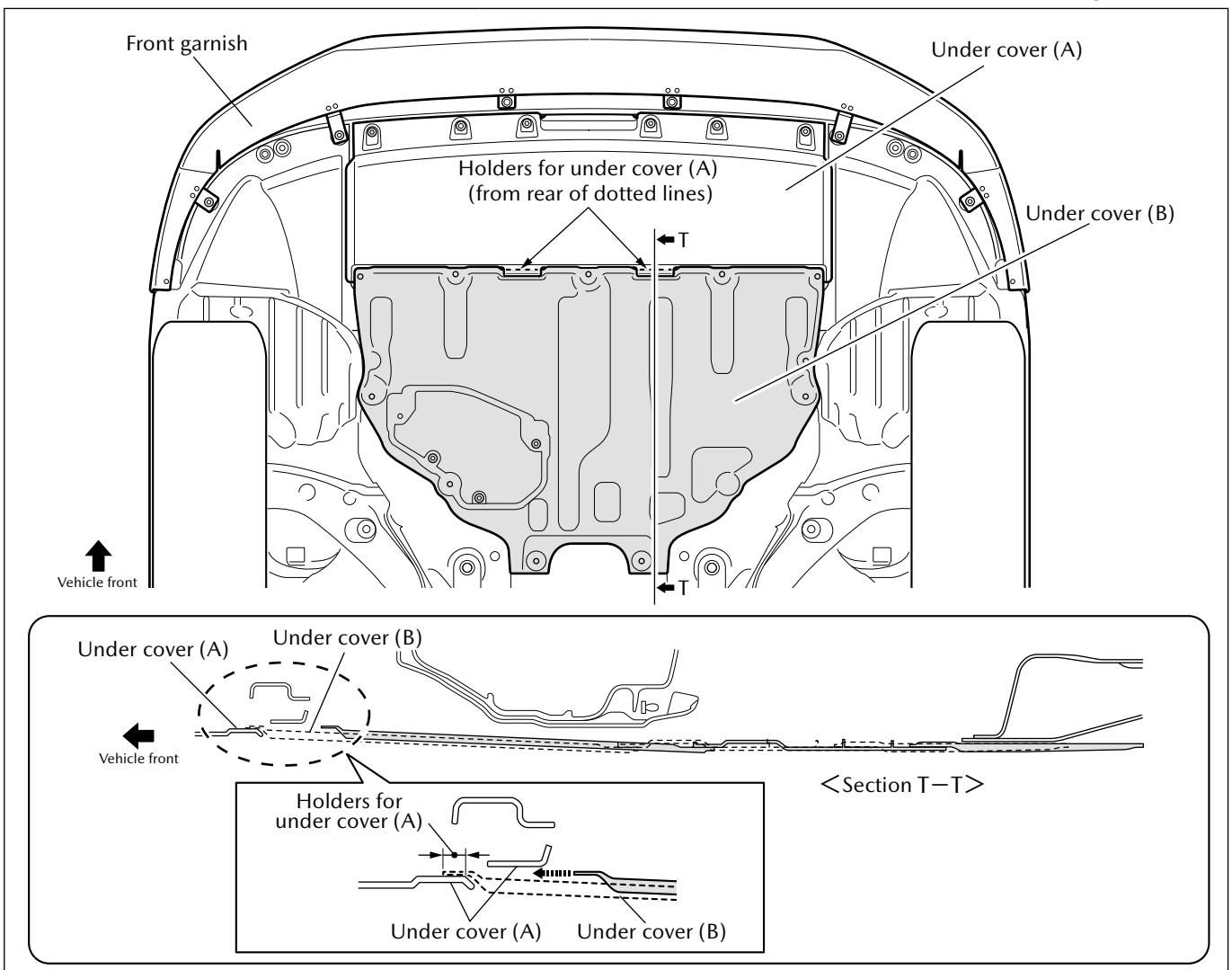
- Return the fasteners (B) (marked with  : 3 places), the M6 bolts (marked with  : 3 places) and the M5 tapping screws (marked with  : 4 places) which were removed in step 3 of "Vehicle part (under cover) removal" (page 6) to their original positions.



• M6 bolt tightening torque : (8.0—11.0N · m)

• M5 tapping screw tightening torque : (1.5—2.4N · m)

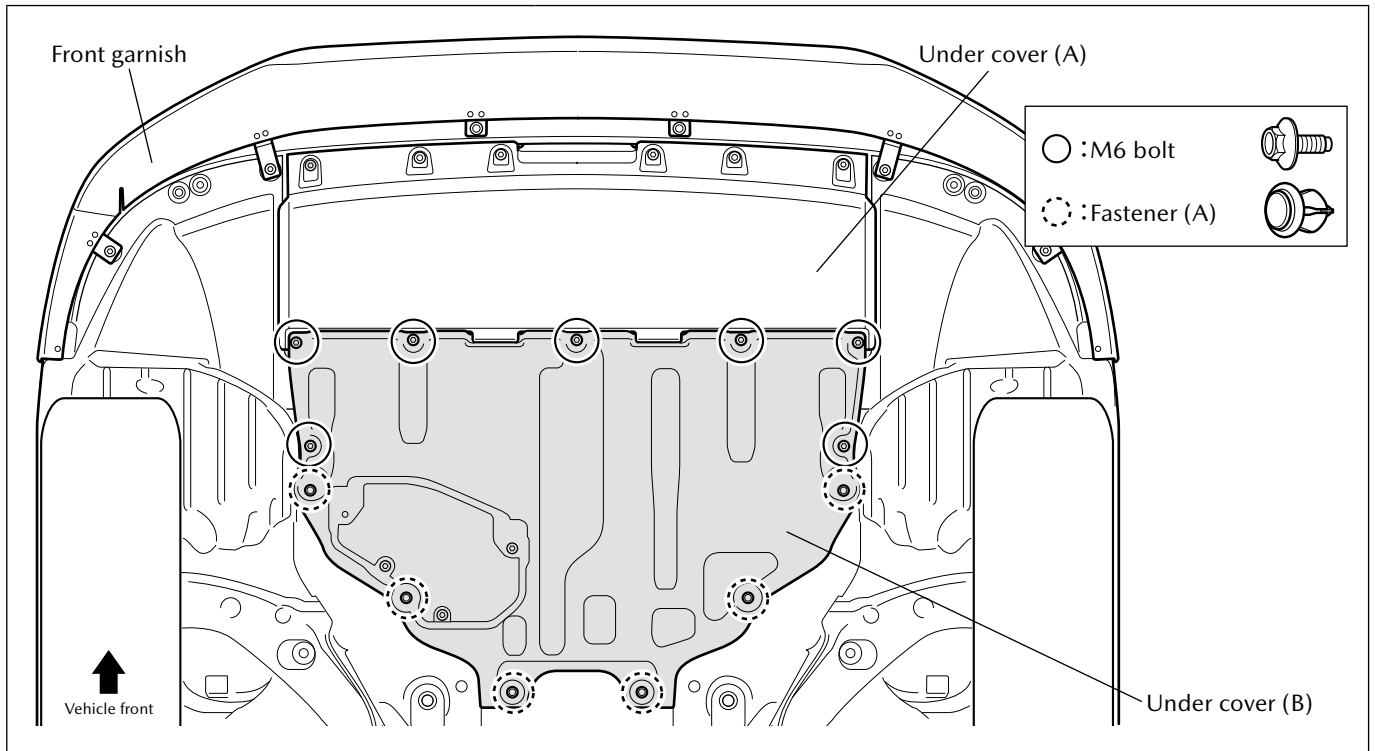


- Provisionally place the under cover (B) onto the holders of the under cover (A) from the direction of the arrow (rear of vehicle) as shown in the figure below by the reverse of the procedure in step 2 of "Vehicle part (under cover) removal" (page 5).



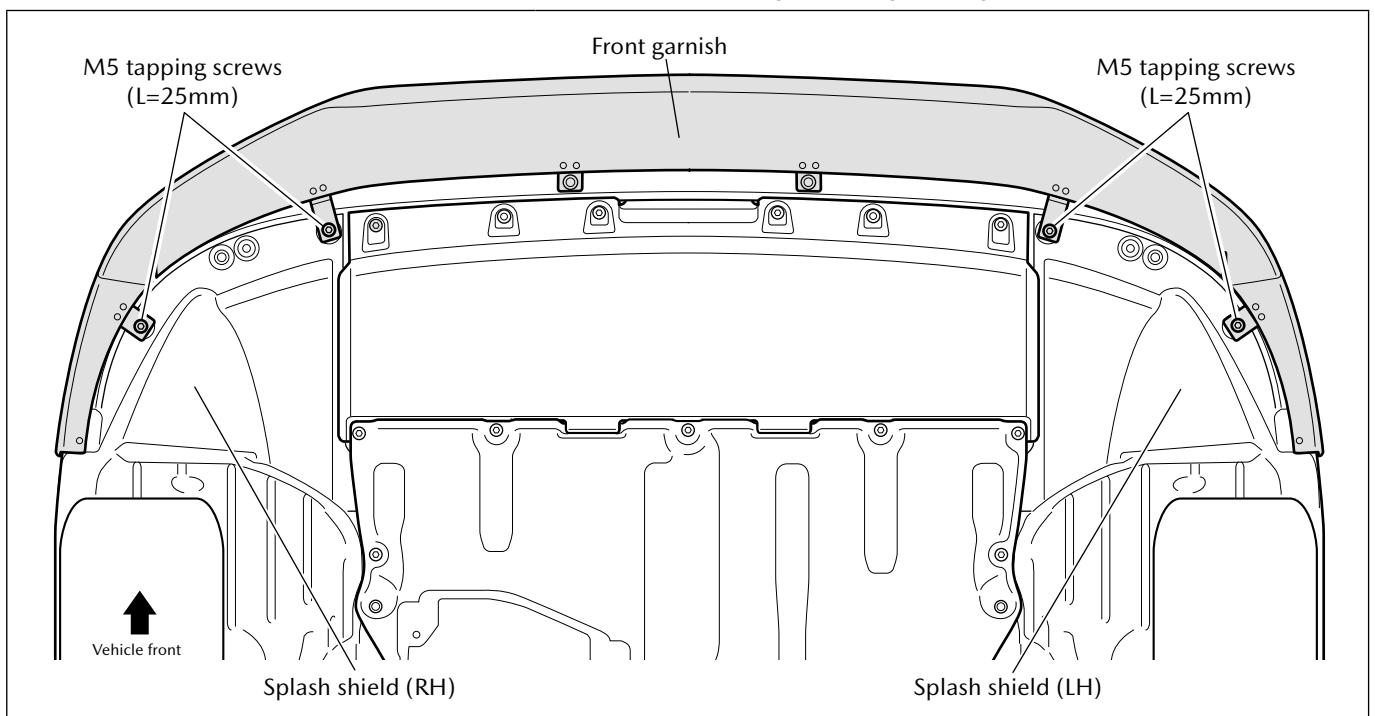
- Return the fasteners (A) (marked with  : 6 places) and the M6 bolts (marked with  : 7 places) which were removed in step 1 of "Vehicle part (under cover) removal" (page 5) to their original positions.

• M6 bolt tightening torque : (8.0—11.0N · m)



- Fully tighten M5 tapping screws (L=25 mm) (4 places) at the bottom of the front garnish.

• M5 tapping screw tightening torque : (1.5—2.4N · m)



11. TO THE CUSTOMER

Heed the following cautions when handling (maintenance) the front garnish.

- If gasoline, oil, engine coolant, or battery fluid adheres to the hard plastic parts, it will cause discoloration, stains, or damage. Wipe off immediately with a soft cloth.
- Depending on the type of high pressure car washer used, the water for washing may be high temperature and/or under high pressure. Be careful when using pressurized water from a car washer nozzle. If the nozzle is too close or water pressure is applied for long periods, it may cause deformation or damage to the hard plastic parts.
- Do not use electric or air tools to apply wax or compound (polishing powder). Otherwise, friction heat will be generated causing deformation or damage to the hard plastic parts.
- If the vehicle height is lowered due to the vehicle being at the maximum passenger or cargo capacity described in the vehicle inspection certificate, decrease the vehicle speed when parking on a road shoulder or entering/leaving a road shoulder or bump. Otherwise, the front garnish could be hit and damaged.