



# STI FRONT UNDER SPOILER

## INSTALLATION MANUAL

Genuine part number: E2410VC210, E2410VC220  
 Applicable model: WRX (VB), 2022MY and later models

**This manual describes how to install and handle the STI front under spoiler.**

**Before installing the part, please be sure to read this manual for proper installation.**

### **Precautions**

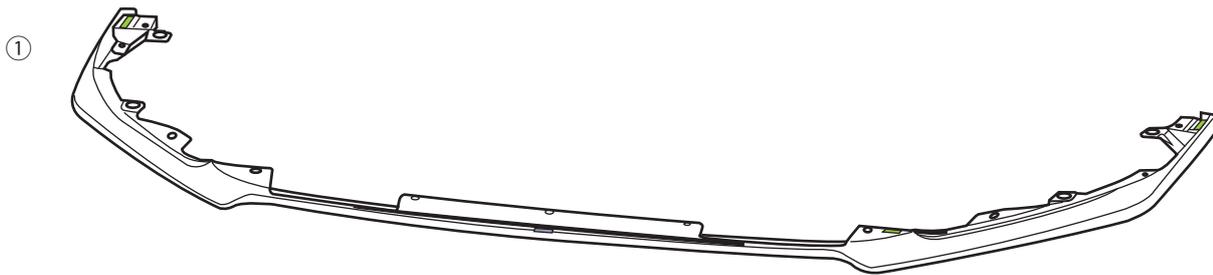
1. Be sure to observe the content in **CAUTION** for installation described in the main text during the work. Neglecting it may cause dropping of or peeling-off on the part, and also may prevent the vehicle from functioning.
2. Before the installation, turn the ignition switch to OFF, and apply the parking brake without fail.
3. Do not use thinner or the like, otherwise the surface of the STI front under spoiler may be corroded. Also, keep the spoiler away from fire, otherwise it may be deformed.
4. When the ambient temperature is 15°C or lower, warm up all strips of the double-sided tape and around the installation portion of the STI front under spoiler to approximately 25 to 40°C using a dryer or infrared lamp. Local warming may deform the part.  
Do not use an industrial dryer.
5. Firmly press the double-sided tape to adhere well.  
If it is reattached, the adhesive performance will extremely decrease. To avoid redoing, position the tape correctly before attachment.
6. The adhesive strength of the double-sided tape increases gradually after the attachment.  
Do not wash the vehicle within 24 hours after attaching the part.  
When washing the vehicle or applying wax to the vehicle is required on the day when the part is attached, leave the vehicle for at least 1 hour, and seal the double-sided tape attached portions with tape or the like to prevent water intrusion.  
In addition, be careful not to apply an excessive force to the STI front under spoiler.  
(Do not perform a high-pressure or automatic car wash on the day when the part is installed.)
7. When performing an air blow after the installation of the part, keep the nozzle 300 mm or more away from the part. If it is too close, the surface of the part may be peeled off.
8. Perform degreasing so as not to allow any solvent to accumulate in a gap of a component. A liquid pool may adversely affect the coated surfaces, rubber materials, and the like. Use a soft waste cloth to absorb the solvent and wipe the necessary portion. Then, wipe off completely with a dry waste cloth.

### **Tools to be used**

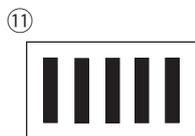
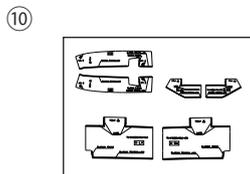
Clip remover, Gloves, Scale, Awl, Torque wrench, Phillips screwdriver, Ratchet wrench (8 mm), Drill bits (3 mm, 6 mm, 9.5 mm, 10 mm), Fabric adhesive tape, Masking tape, Degreaser (Recommended: Nonane), Waste cloth, Sandpaper, Safety goggles

## Components

No.	Part name	Qty.
①	Front under spoiler	1
②	Bolt	3
③	Well nut	3
④	Tapping screw	2
⑤	Spring nut	2
⑥	Clip A	4
⑦	Clip B	2
⑧	Clip C	4
⑨	Washer	1
⑩	Template set (Templates A, B, and C. a pair of LH and RH)	1
⑪	Non-woven fabric tape	5



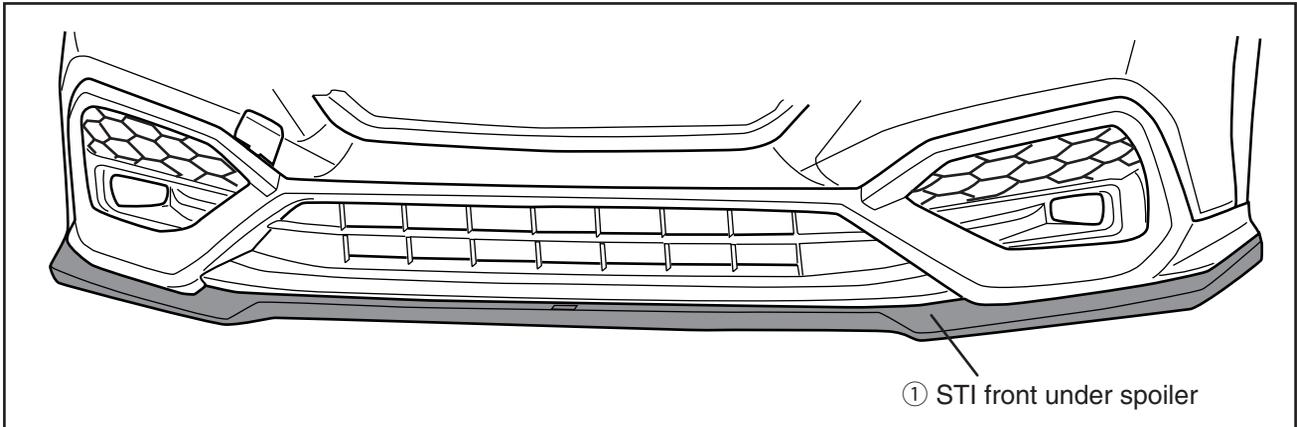
Small bag



**⚠ WARNING**

Refer to the vehicle manual for jacking up. Before jacking up a vehicle, park the vehicle on a flat and solid ground where a jack will not sink, and use rigid racks or the like to support the vehicle without fail.

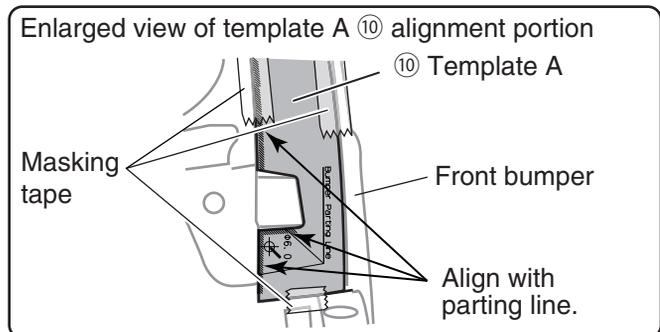
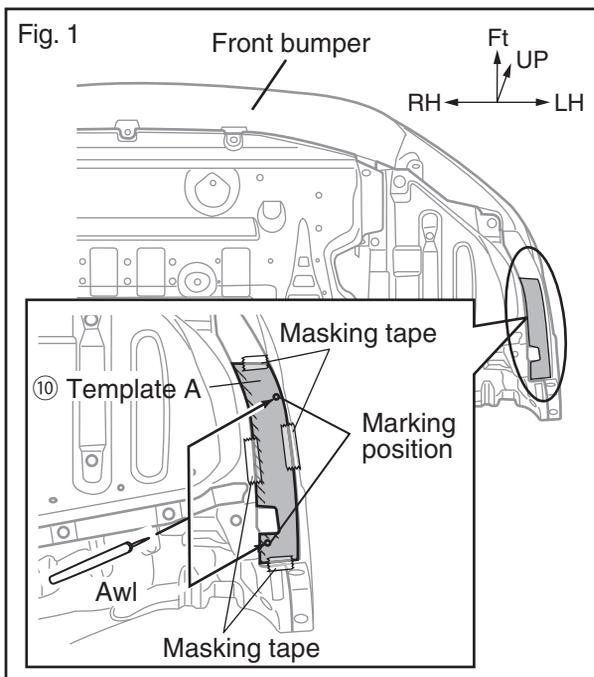
**Completion image**



**Installation procedure**

**1. Preparation for installation**

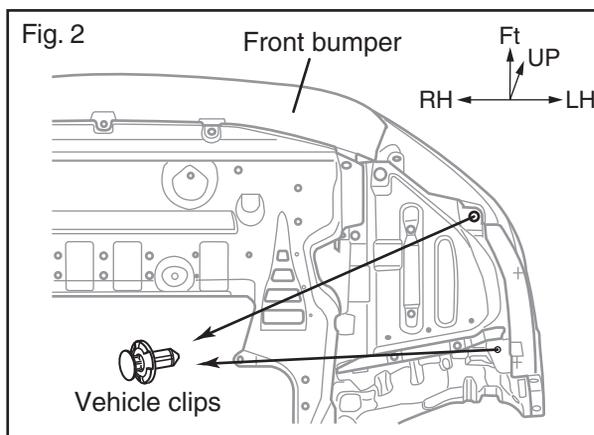
- (1) On the bottom surface of the front bumper, align the template A ⑩ with the parting line, and attach it with 4 pieces of masking tape. (Fig. 1)  
(1 location each on RH and LH, 2 locations in total)



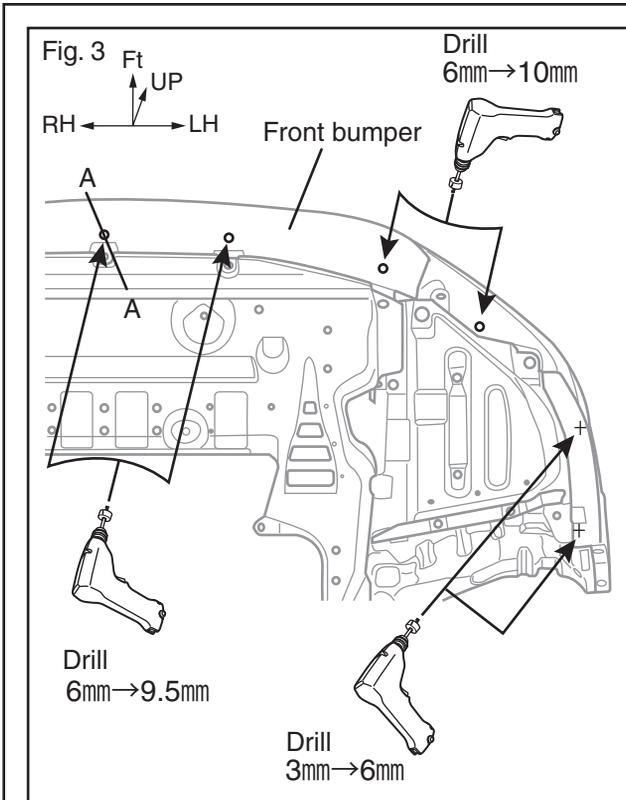
- (2) Make a mark with an awl or the like at the center of each hole on the template A. (Fig. 1)  
(2 locations each on RH and LH, 4 locations in total)

- (3) Remove the template A.

- (4) Remove the vehicle clips. (Fig. 2)  
(2 locations each on RH and LH, 4 locations in total)



**⚠ CAUTION** The removed vehicle clips will not be reused.

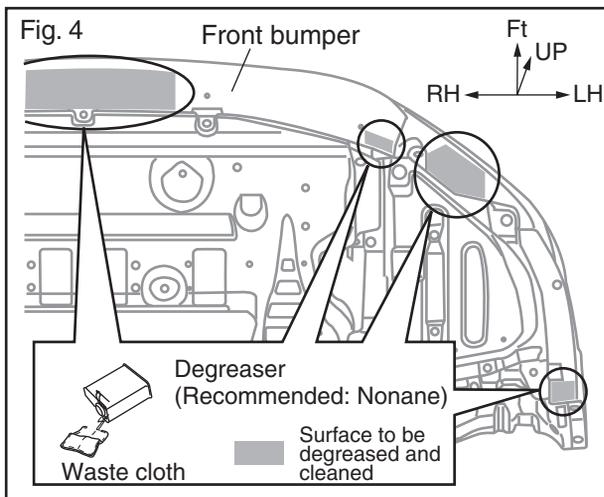
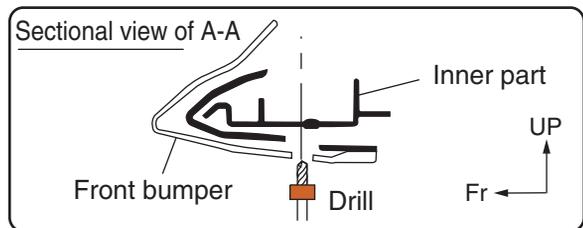


- (5) Apply a drill to each concaved position on the bottom surface of the front bumper and the center of each position marked in Section 1. (2) to make a hole. Referring to the figure on the left, make a prepared hole first and then a final hole. (Fig. 3)
- (6→9.5 mm: 3 locations at center)  
(6→10 mm: 2 locations each on RH and LH, 4 locations in total)  
(3→6 mm: 2 locations each on RH and LH, 4 locations in total)

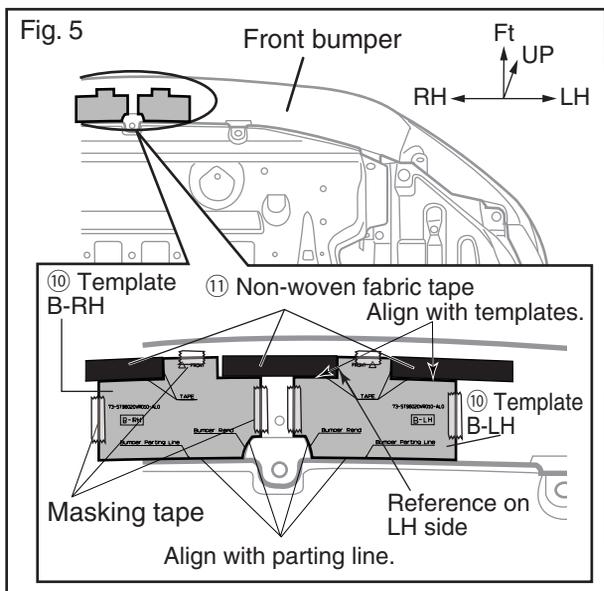
**CAUTION** When making holes, wear safety goggles.

**CAUTION** Before the work, make a stopper with fabric adhesive tape to a position approximately 5 mm away from the tip of the drill bit to prevent interference with the drill.

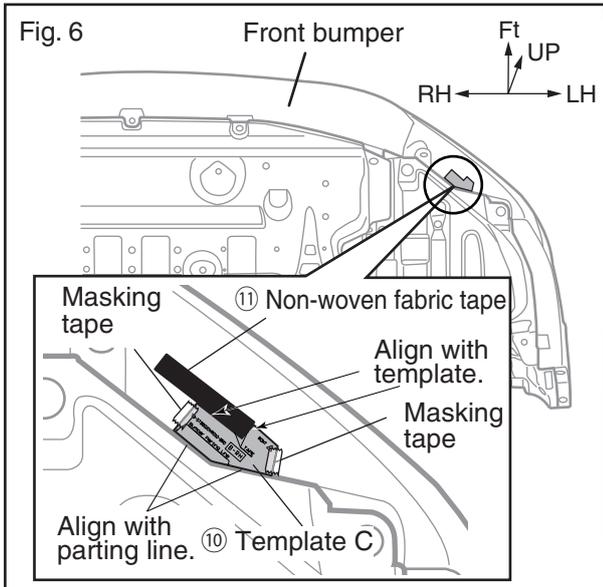
5 mm Drill bit  
Fabric adhesive tape



- (6) Remove burrs around the holes completely using sandpaper or the like.
- (7) Degrease the portions indicated in the figure for the bottom surface of the front bumper with a waste cloth soaked with a degreaser (recommended: Nonane). (Fig. 4)
- (1 location at center and 3 locations each on RH and LH, 7 locations in total)



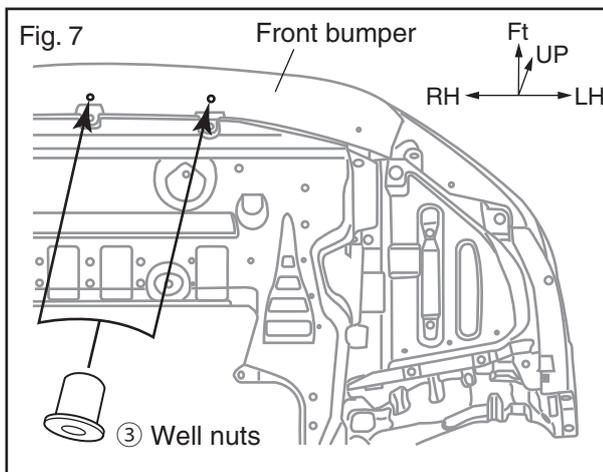
- (8) On the bottom center surface of the front bumper, align the template B ⑩ with the parting line, and attach it with 3 pieces of masking tape. (Fig. 5)
- (1 location each on RH and LH, 2 locations in total)
- (9) Attach non-woven fabric tape ⑪ along the shape of the template B ⑩.
- (1 location at center, RH, and LH, 3 locations in total)
- (10) Remove the template B.



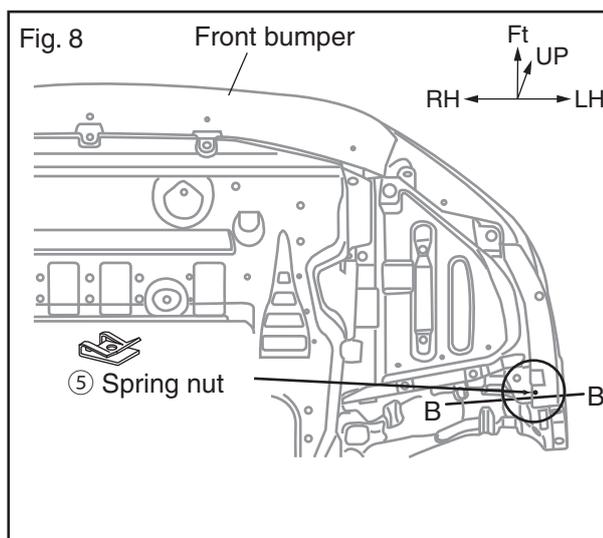
(11) On the bottom surface of the front bumper, align the template C ⑩ with the parting line, and attach it with 2 pieces of masking tape. (Fig. 6)  
(1 location each on RH and LH, 2 locations in total)

(12) Attach non-woven fabric tape ⑪ along the shape of the template C ⑩. (Fig. 6)  
(1 location each on RH and LH, 2 locations in total)  
(1 location each on RH and LH, 2 locations in total)

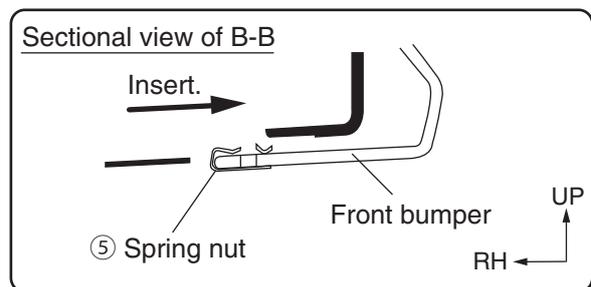
(13) Remove the template C.



(14) Insert the well nut ③ to each hole made in Section 1. (5) on the bottom surface of the front bumper. (Fig. 7)  
(1 location each at center, RH, and LH, 3 locations in total)



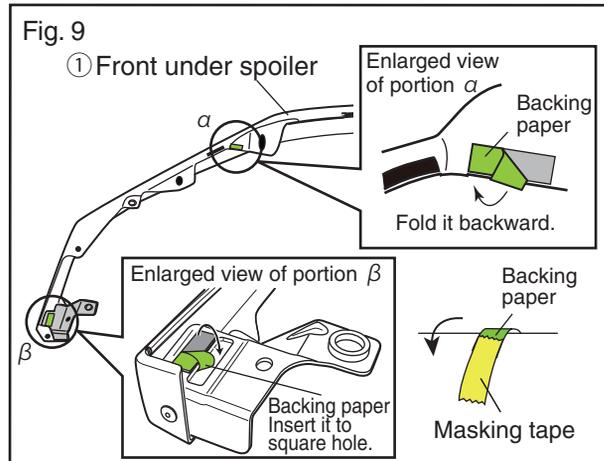
(15) Insert the spring nut ⑤ to each hole made in Section 1. (5) on the bottom surface of the front bumper. (Fig. 8)  
(1 location each on RH and LH, 2 locations in total)



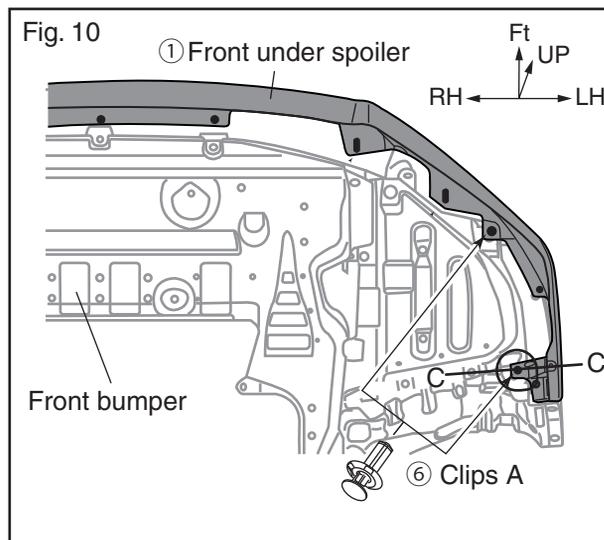
## \*NOTICE

- Be sure to degrease and clean the attachment surface of the front bumper before the works.
- All illustrations in this manual show the parts on the LH side. Perform the same works on the RH side of the vehicle as well.
- Perform the works in a room at an ambient temperature of **15°C or higher**.  
(When the temperature is **lower than 15°C**, the double-sided tape will not adhere sufficiently. Warm up the attachment surface and double-sided tape with a heating device or the like. Guide: 25 to 50°C)
- If air enters between the tape and the attachment surface, the adhesive strength will become weak. Be sure to firmly press it.

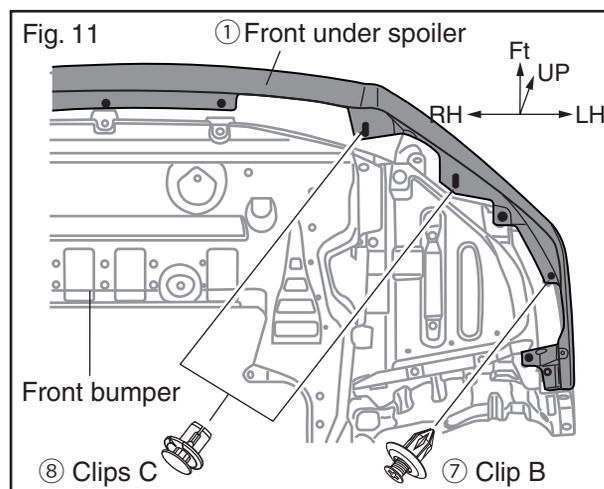
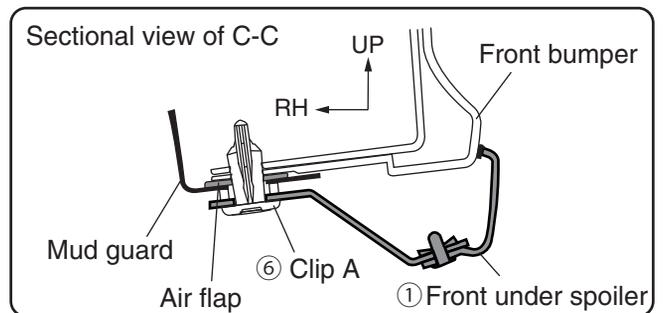
## 2. Spoiler installation work



- (1) Peel off the strips of the backing paper from the double-sided tape attached on the front under spoiler ① by approximately 15 mm each from the inner end as shown in the figure on the left, fold them backward, and apply a piece of masking tape to each of them. (Fig. 9)  
(2 locations each on RH and LH, 4 locations in total)

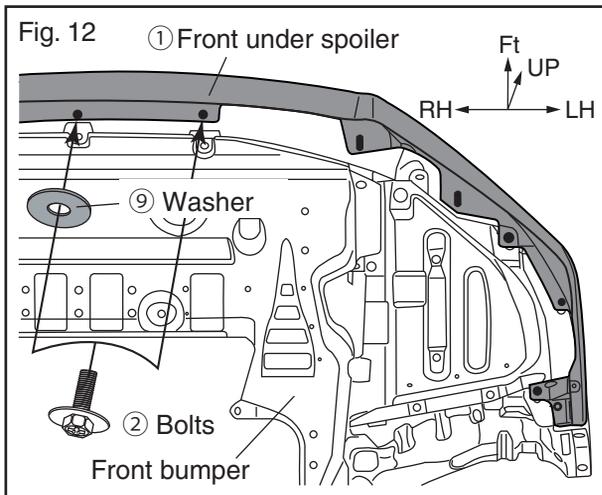


- (2) Place the front under spoiler ① onto the front bumper bottom surface, and temporarily fix them with the clips A ⑥. (Fig. 10)  
(2 locations each on RH and LH, 4 locations in total)

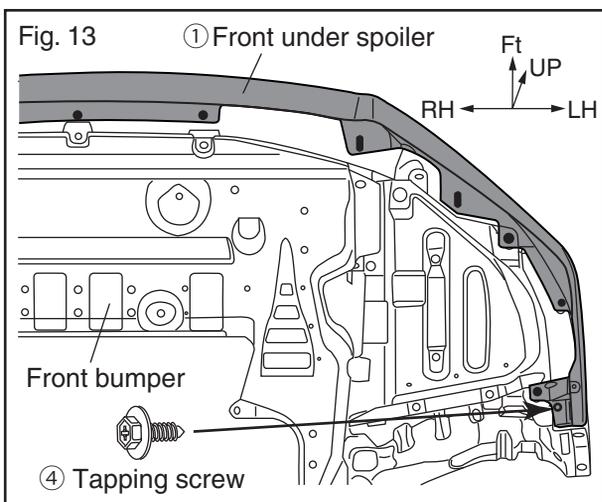


- (3) Fix the front under spoiler ① first with the clip B ⑦ and then clips C ⑧. (Fig. 11)  
(3 locations each on RH and LH, 6 locations in total)

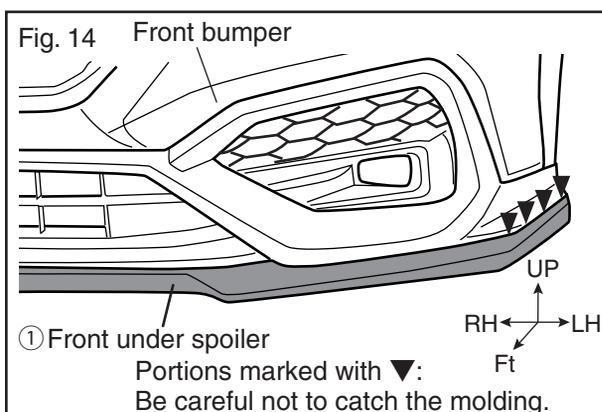
**CAUTION** Push the clip B ⑦ with the tip of a Phillips screwdriver.



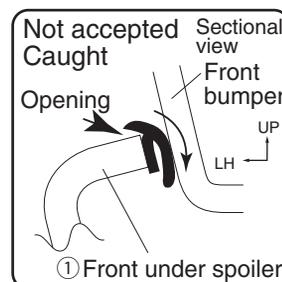
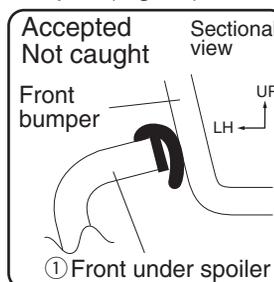
- (4) Temporarily fix the front under spoiler ① with the bolts ②. For the center portion, insert the washer ⑨ in-between before fixing temporarily. (Fig. 12)  
 (1 location each at center, RH, and LH, 3 locations in total)



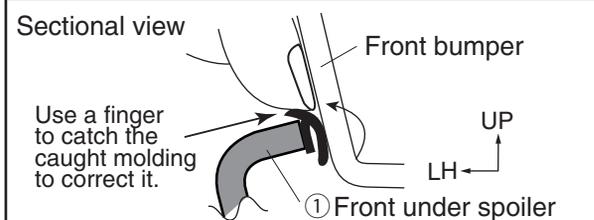
- (5) Temporarily fix the front under spoiler ① with the tapping screw ④. (Fig. 13)  
 (1 location each on RH and LH, 2 locations in total)



- (6) Install the front under spoiler ① while paying attention not to allow its molding to be caught in the bumper. (Fig. 14)

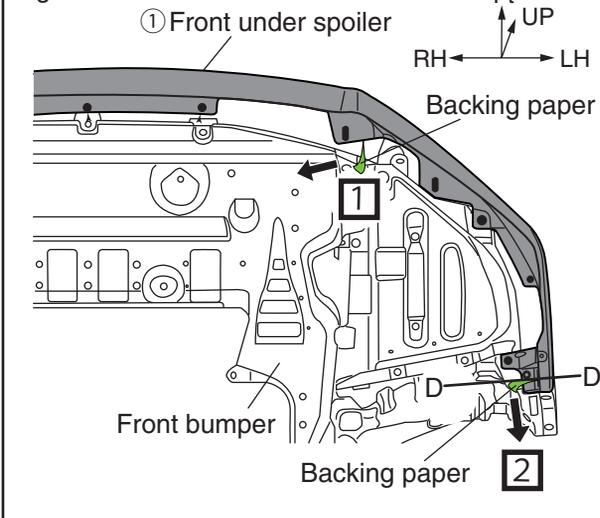


**\*How to correct when the molding is caught**

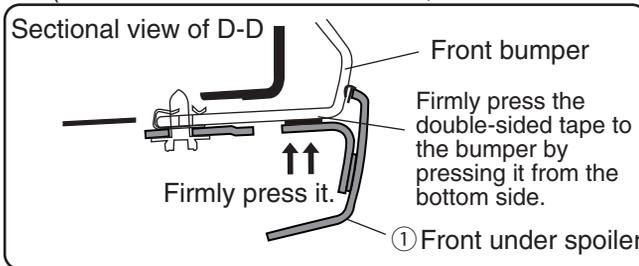


- When the molding is caught, correct the position while paying attention not to scratch the bumper or peel off the double-sided tape.
- The molding can be returned to the correct position by catching the caught molding with a finger.

Fig. 15

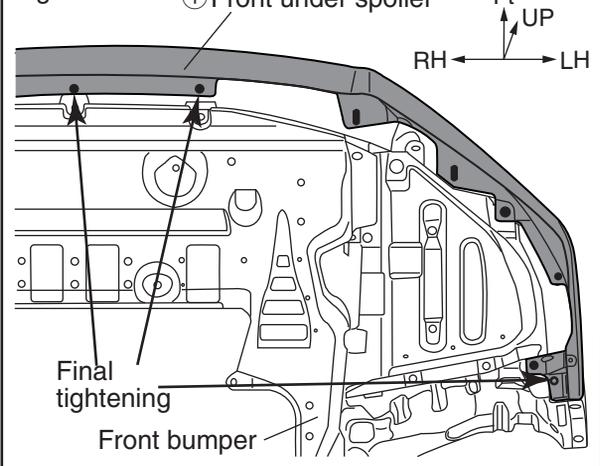


(7) Remove the backing paper from the double-sided tape attached on the front under spoiler ① in the directions shown by the arrows in the order of 1 and 2 shown in the figure, and firmly press the double-sided tape portions with a force that can move the vehicle slightly. (Fig. 15)  
(2 locations each on RH and LH, 4 locations in total)



**CAUTION** When removing the backing paper, be careful not to allow the backing paper to break at midpoint.

Fig. 16



(8) Finally tighten the bolts ② and tapping screw ④ temporarily fixed in the steps (4) and (5). (Fig. 16)  
Tightening torque for reference: 1.0 N•m (0.1 kgf•m)

(9) Finally, check for lifting or tilting of the installation portion, missing of any clip or bolt, and omission of tightening.

The installation work has been completed.

### Revision history

Δ	Content	Date
Δ0	Newly created	June 17, 2021