



# STI ROOF SPOILER

## INSTALLATION MANUAL

Genuine part number: E7210SL310, STI ROOF SPOILER

Applicable model: FORESTER (SL) TYPE A~

This manual describes how to install and handle the STI ROOF 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 ROOF 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 ROOF 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 ROOF 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.
9. When a body coating treatment (glass coating, etc.) is applied, the original adhesive strength cannot be exerted. Check if the body coating treatment is applied. Also, remove any dirt or fat and oil without fail, and apply a firm pressure sufficiently.  
<<Removal and check method for body coating film>>
  - Using compound with fine particles (in order not to impair painting), scrub off the coating film in the application area.
  - After grinding, spray water using a spray or the like. If the area is no longer water-repellent, the coating film is removed.

### Tools to be used

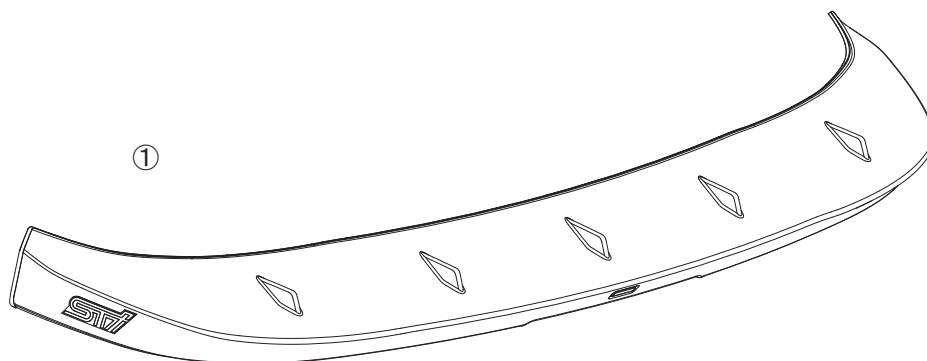
Clip remover, Gloves, Drill bits (3 mm, 6 mm, 8.5 mm, 9 mm), Sockets (8 mm, 10 mm), Extension (100 mm), Marking-off pin, Torque wrench, Phillips screwdriver, Degreaser (Recommended: Nonane), Needle-nose pliers

## Components

No.	Part name	Qty.
①	Roof spoiler	1
②	Bolt	1
③	Washer (metal surface)	1
④	Collar	1
⑤	Tapping screw	2
⑥	Washer (black)	2
⑦	J nut	2
⑧	Template set (A, BR/L)	1

Repair part No.:

Parts set (E7210SL301) : ②×1 / ③×1 / ④×1 / ⑤×2 / ⑥×2 / ⑦×2



Check the quantity of each component first. If any component is missing or damaged, please contact your dealer.

Small bag

②



③



④



⑤



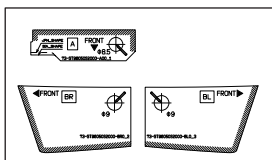
⑥



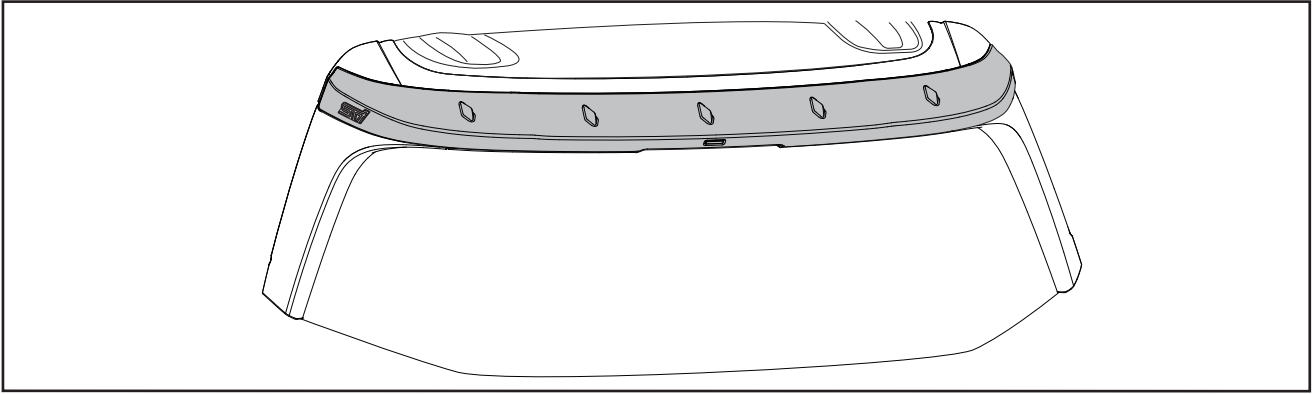
⑦



⑧



## Completion image

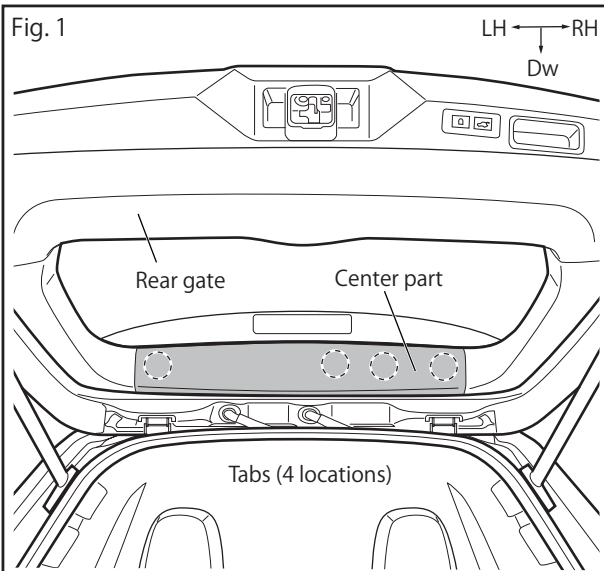


### \*NOTICE

- Before the work, clean the upper surface of the vehicle roof spoiler.
- Perform the work in a room at a temperature of 15° C or higher.  
(When the temperature is lower than 15° C, the double-sided tape will not adhere sufficiently.)

### Installation procedure

#### 1. Preparation for installation



- (1) Fully open the rear gate to make the center part inside the back door visible, and remove the ground terminal from the battery sensor. (Fig. 1)



CAUTION

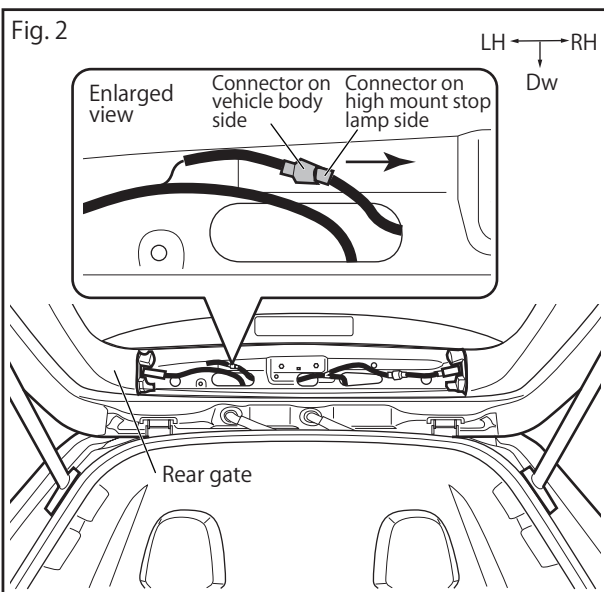
- Note that the back door can no longer be opened if it is closed after the ground terminal is removed.
- The removed vehicle parts will be reused. Be careful not to damage or lose them.

- (2) While paying attention to the tabs, remove the center part of the rear gate.  
(Tab: 4 locations in total)  
(Fig. 1)

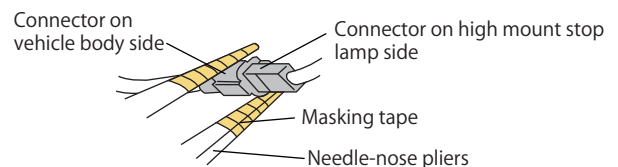


CAUTION

- Be careful not to damage any tab when removing the vehicle parts.
- Mounting the vehicle parts will be prevented if any tab is broken.



- (3) Wrap masking tape around the tips of the needle-nose pliers, pinch the harness connector of the rear gate high mount stop lamp, and squeeze the locking tab to unlock.



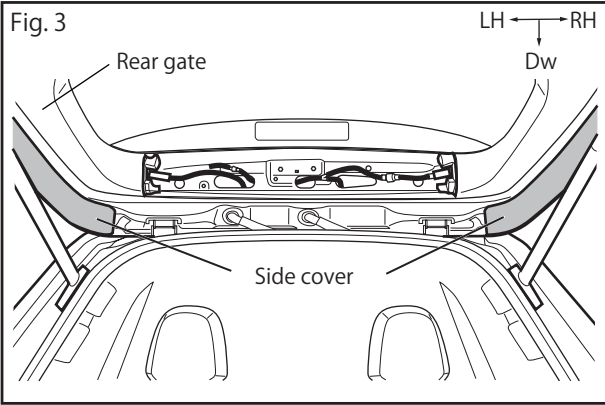
- (4) When the locking tab is unlocked, disconnect the connector.

(Fig. 2)



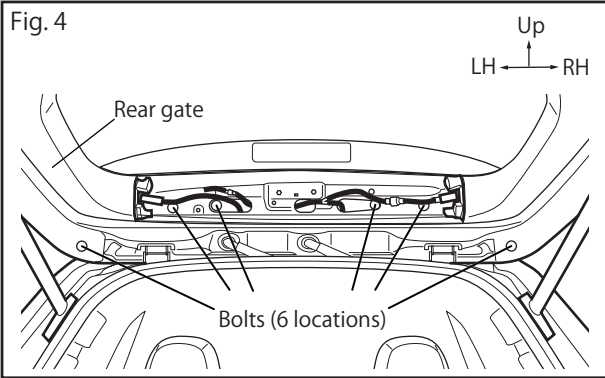
CAUTION

- Be careful not to pinch excessively with needle-nose pliers, since separating the connector will be difficult.
- Be careful not to damage your hand with the edge of the sheet metal.



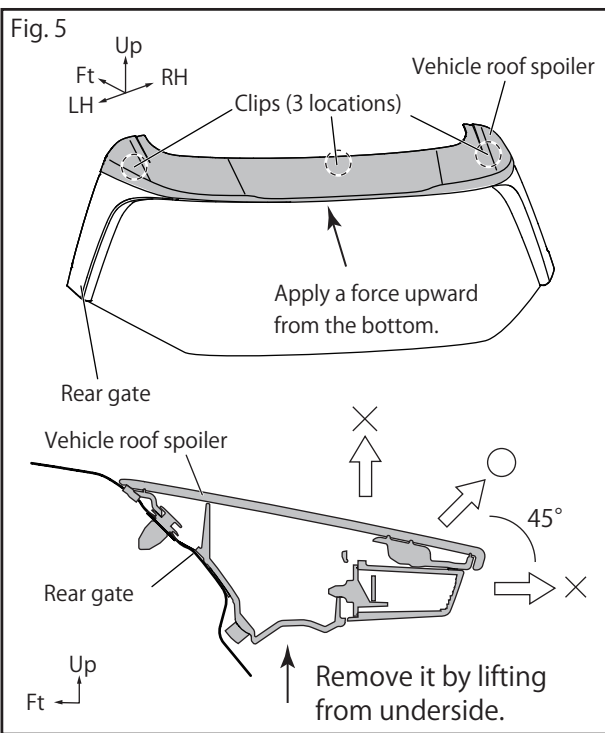
(5) Carefully disengage both side covers by pulling them towards you. Do not fully remove, only remove enough to expose the bolt head shown in Fig.4.  
(Fig. 3)

CAUTION	⚠	• The removed vehicle parts will be reused. Be careful not to damage or lose them.



(6) Remove the bolts of the vehicle roof spoiler from the vehicle interior side with the ratchet wrench and socket (10 mm). (Bolt: 6 locations in total)  
(Fig. 4)

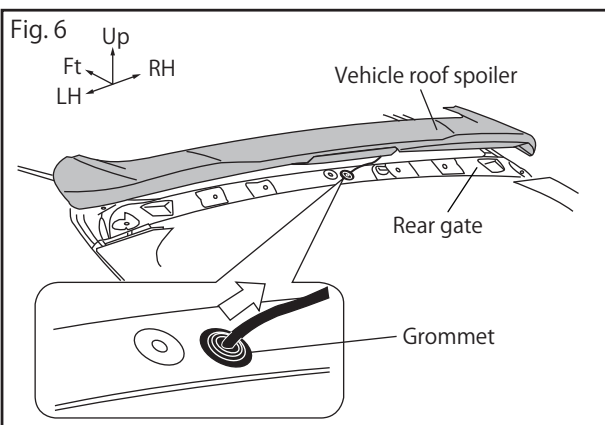
CAUTION	⚠	• Be sufficiently careful not to drop any bolt inside the rear gate. • The removed vehicle parts will be reused. Be careful not to damage or lose them. • To remove the bolt, use the extension (100 mm).



(7) Fully engage and reinstall side covers from step (5). Failure to do this may result in side covers damage.

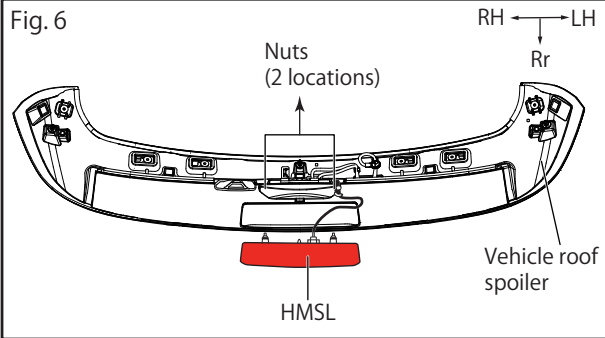
(8) Lower the rear gate, pull the vehicle roof spoiler diagonally upward (45°), and remove it from the rear gate by lifting from underside. Remove any clip remaining on the rear gate side and reattach it to the vehicle roof spoiler.  
(Fig. 5)

CAUTION	⚠	• When opening and closing the rear gate, be careful not to pinch fingers. • When removing the vehicle roof spoiler, do not apply a force from the top.



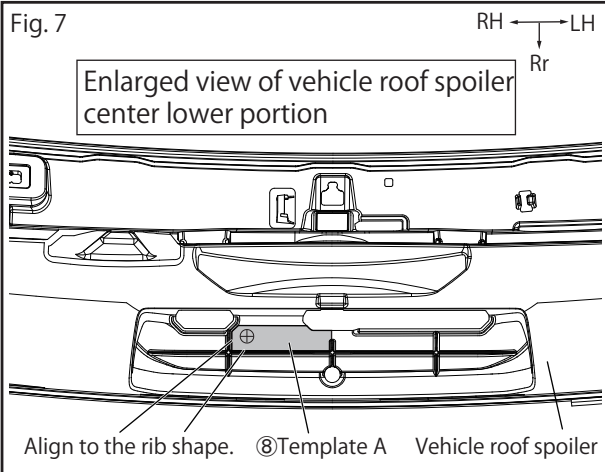
(9) Remove the grommet of the high mount stop lamp (hereafter referred to as HMSL) harness from the rear gate.  
(Fig. 6)

CAUTION	⚠	When removing the grommet, be careful not to damage the vehicle body in contact with the vehicle roof spoiler.

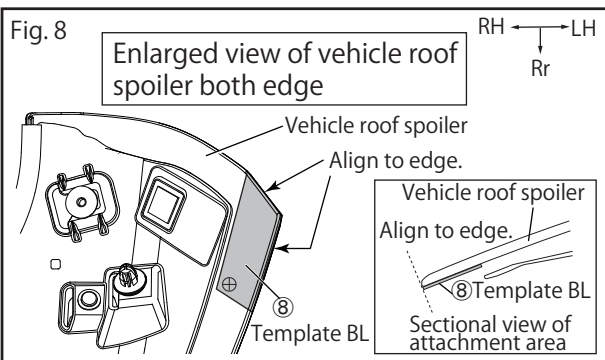


(10) Disconnect wiring from the vehicle roof spoiler guide, remove the nut of the HMSL with the ratchet wrench and socket (8 mm), and remove the HMSL from the vehicle roof spoiler.  
(Nut: 2 locations in total)  
(Fig. 6)

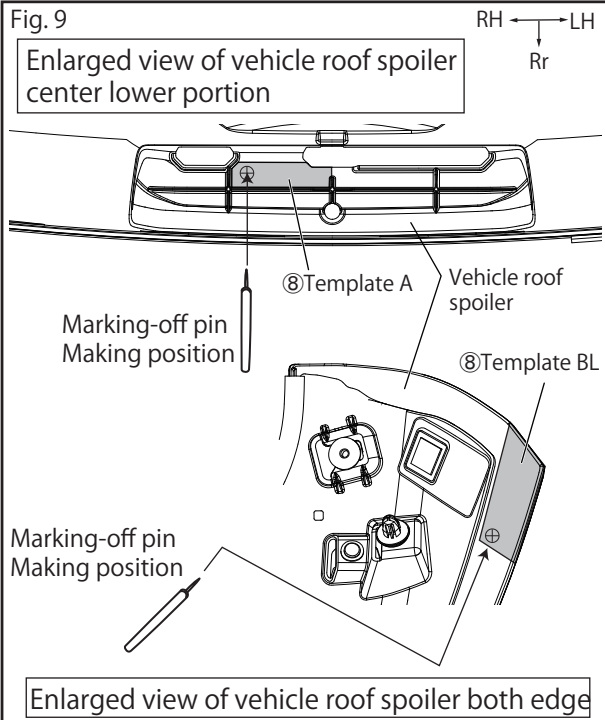
**CAUTION** The removed vehicle parts will be reused. Be careful not to damage or lose them.



(11) Attach the template A ⑧ to the HMSL attachment portions on the vehicle roof spoiler at the position shown in the figure on the left, aligning the shape of the ribs around it.  
(Fig. 7)



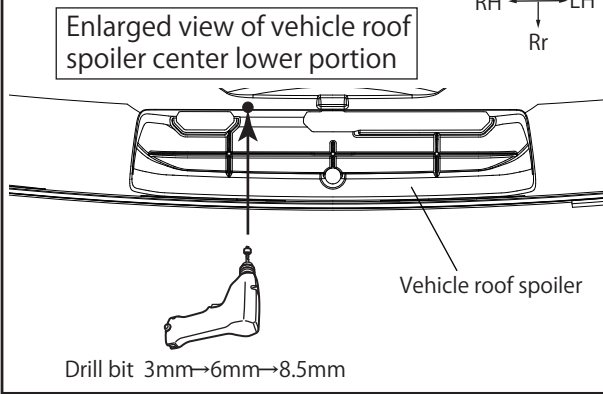
(12) Attach the template BL ⑧ to the end on the vehicle roof spoiler at the position shown in the figure on the left, aligning the shape of the end.  
(1 location each on RH and LH, 2 locations in total)  
(Fig. 8)



(13) Make a mark with a marking-off pin at the center of the piercing position on the templates A and BL ⑧.  
(1 location each on RH, LH and center, 3 locations in total)  
(Fig. 9)

(14) Remove the templates A and BL ⑧.

Fig. 10



- (15) Apply a drill to the center of the position marked in the step (11) to make a hole. After making a prepared hole with a 3 mm drill bit and then 6 mm drill bit, make a hole with an 8.5 mm drill bit.  
(8.5 mm on center, 1 locations in total)  
(Fig. 10)

Before the work, make a stopper with fabric adhesive tape to a position approximately 10 mm away from the tip of the drill bit to prevent interference caused by the drill bit.

CAUTION

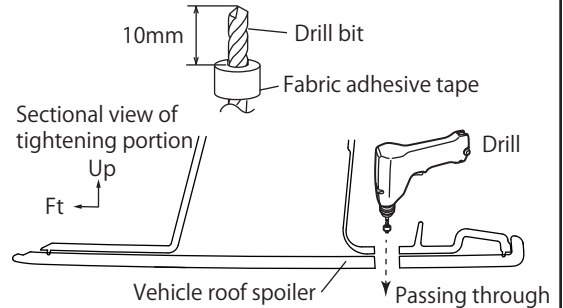
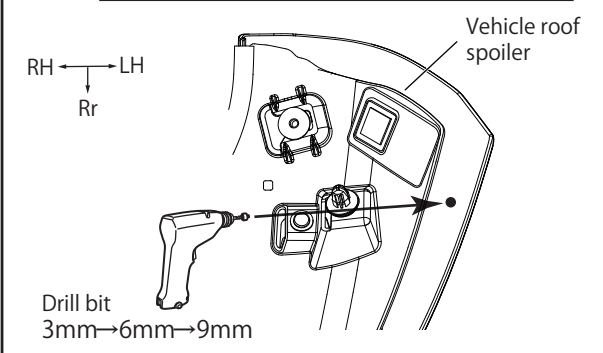


Fig. 11

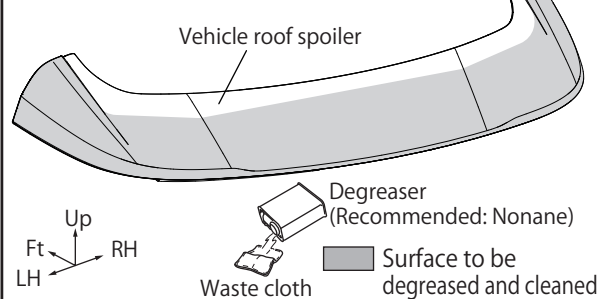
Enlarged view of roof spoiler both ends



- (16) Apply a drill to the center of the position marked in the step (11) to make a hole. After making a prepared hole with a 3 mm drill bit and 6 mm drill bit, make a hole with a 9 mm drill bit.  
(9.0 mm, 1 location each on RH and LH, 2 locations in total)  
(Fig. 11)

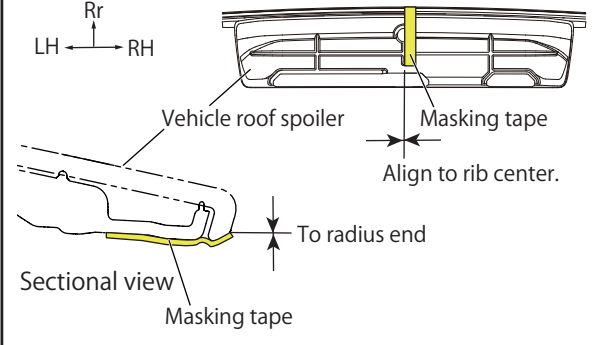
- (17) After making the hole, remove burrs around the hole.

Fig. 12

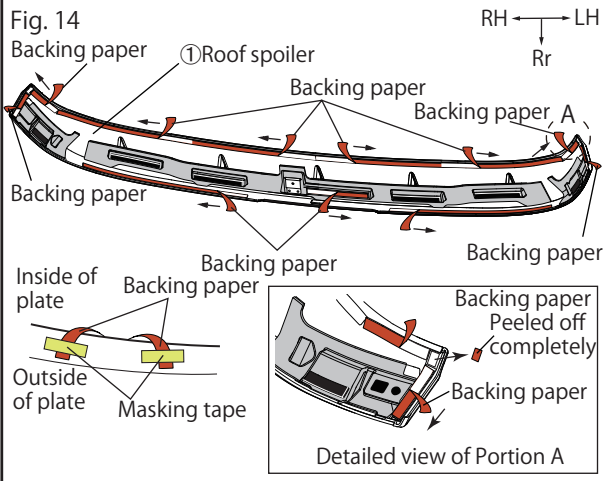


- (18) Degrease the entire vehicle roof spoiler with a waste cloth soaked in a degreaser (recommended: Nonane).  
(Fig. 12)

Fig. 13

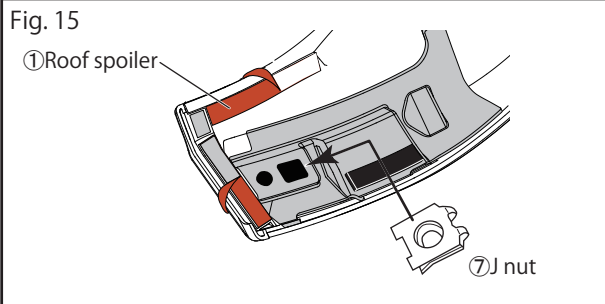


- (19) Paste it with aligning the edge of the masking tape to the center of the center rib of the HMSL mounting part.  
(Fig. 13)

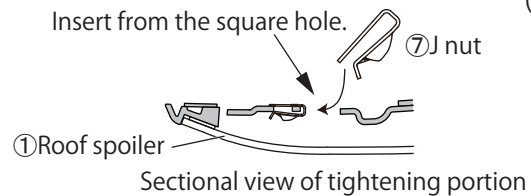


- (20) Peel off each of the backing paper of the double-sided tape on the back side of the roof spoiler ① approximately 30 to 50 mm from the end, bend it outward, and attach it to the front side with masking tape. Peel off all the short backing paper shown on the left detailed view of portion A. (Fig. 14)  
 ((6 locations each on RH, LH, 1 location on center, 13 locations in total))

**CAUTION** Do not remove the templates excessively. Otherwise, the double-sided tape sticks to the vehicle roof spoiler, making it difficult to hold the roof spoiler ① up to the correct position.



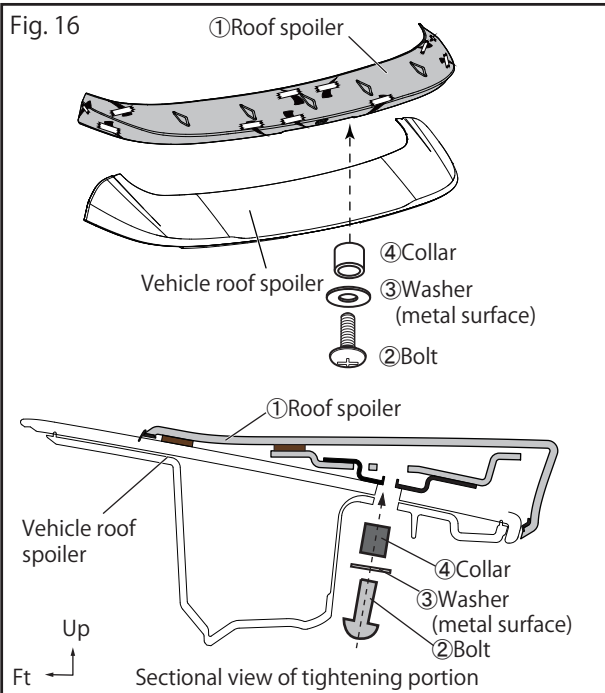
- (21) Install the J nut ⑦ to the installation hole on the both ends of the roof spoiler ①. (1 location each on RH and LH, 2 locations in total) (Fig. 15)



**CAUTION** Be careful of the direction in which the J nut ⑦ is installed.

### \*NOTICE

- Be sure to degrease and clean the attachment surface.
- Perform the work in a room at an ambient temperature of 15° C or higher.
- When the temperature is lower than 15° C, warm up the attachment surface and double-sided tape with a heating device or the like. (Guide: 25° C to 40° C)
- If air enters between the tape and the attachment surface, the adhesive strength will become weak. Be sure to firmly press it.
- After attaching the tape, avoid washing the vehicle for at least 24 hours.



### 2. Roof spoiler installation work

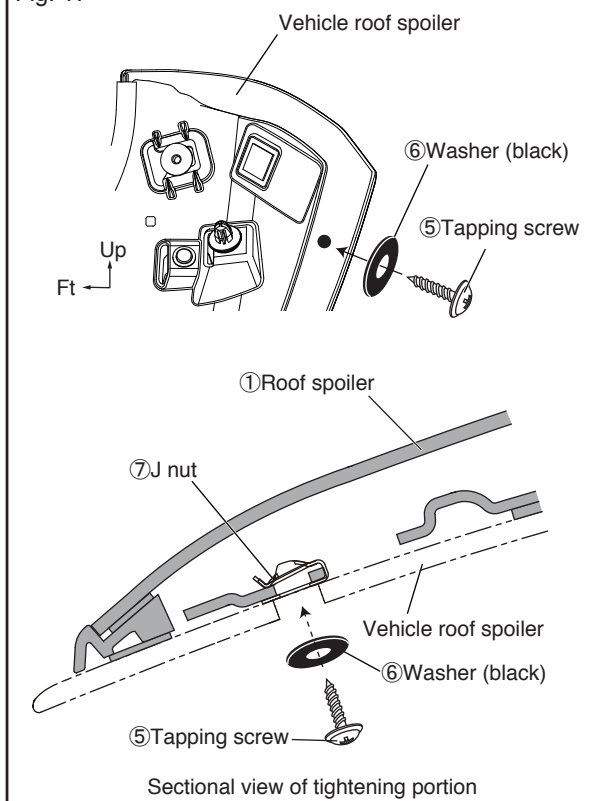
- (1) Place the roof spoiler ① on the vehicle roof spoiler. (Fig. 16)

**CAUTION** When placing the roof spoiler ①, be careful not to damage the vehicle roof spoiler and roof spoiler ①. This work is recommended to be performed with 2 workers.

- (2) Into the hole drilled on the HMSL installation portion of the vehicle roof spoiler in 1.(14), insert the bolt ② with the washer (metal surface) ③ and collar ④ pre-assembled in this order, and temporarily fix it to the bracket of the roof spoiler ①.

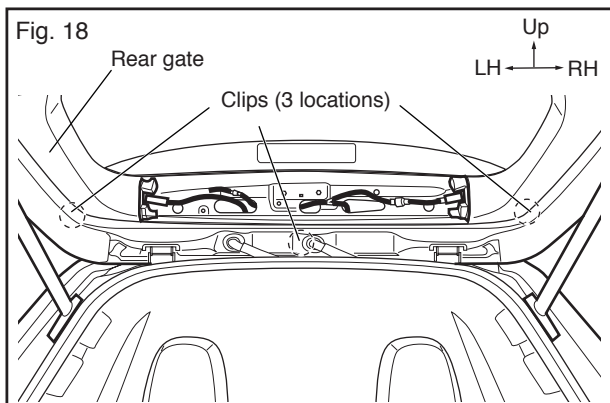
(Bolt: 1 location in total) (Fig. 16)

Fig. 17



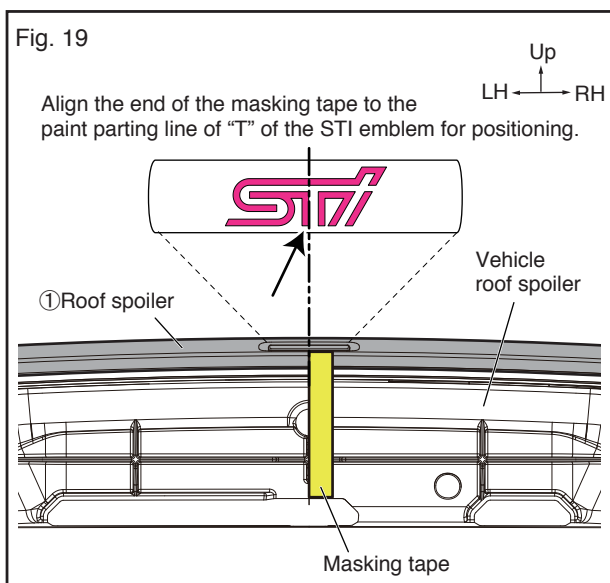
- (3) Into the holes drilled on both ends of the vehicle roof spoiler in 1.(15), insert the tapping screw ⑤ with the washer (black) ⑥, temporarily fix it to the J nut ⑦ portion installed to the roof spoiler ①.  
(1 location each on RH and LH, 2 locations in total)  
(Fig. 17)

Fig. 18



- (4) For positioning of the roof spoiler ① and press-fit of double-sided tape, reinstall the vehicle roof spoiler to the vehicle once.  
(Clip: 3 locations in total)  
(Fig. 18)

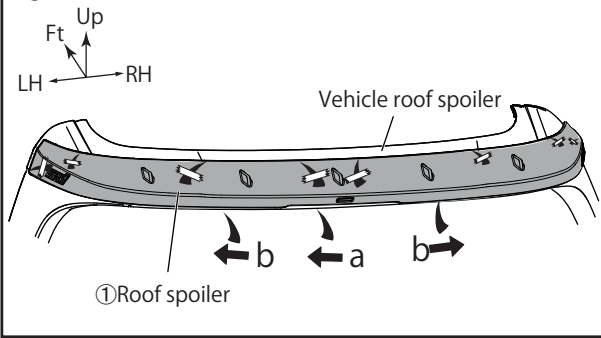
Fig. 19



- (5) Position the roof spoiler ① so that its HMSL periphery will be equally distant to the left and right from the masking tape applied to the center of the vehicle roof spoiler as reference.  
(Fig. 19)

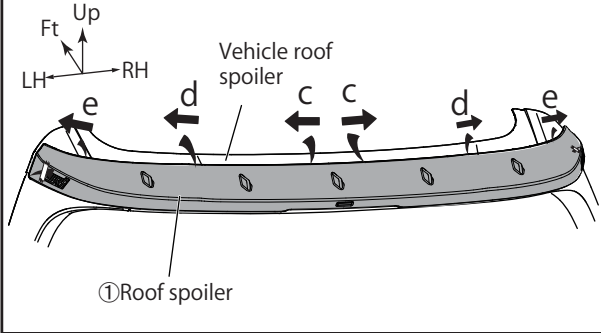


Fig. 20



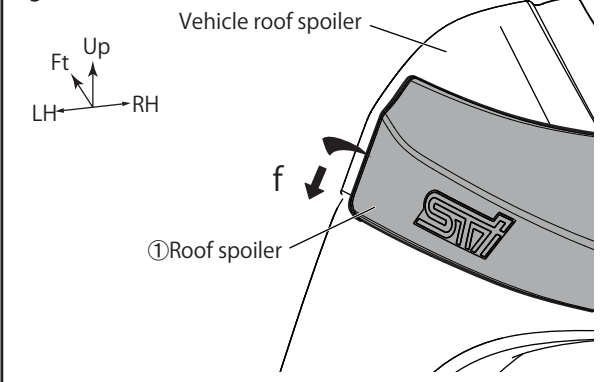
- (6) Slowly pull off the backing paper of the double-sided tape outward from the center in the order of "a → b" so that it will not break at midpoint. Firmly press the double-sided tape area to the vehicle roof spoiler. (Fig. 20)

Fig. 21



- (7) Slowly pull off the backing paper of the double-sided tape outward from the center in the order of "c → e" so that it will not break at midpoint. Firmly press the double-sided tape area to the extent that vehicle body shakes slightly. (Fig. 21)

Fig. 22



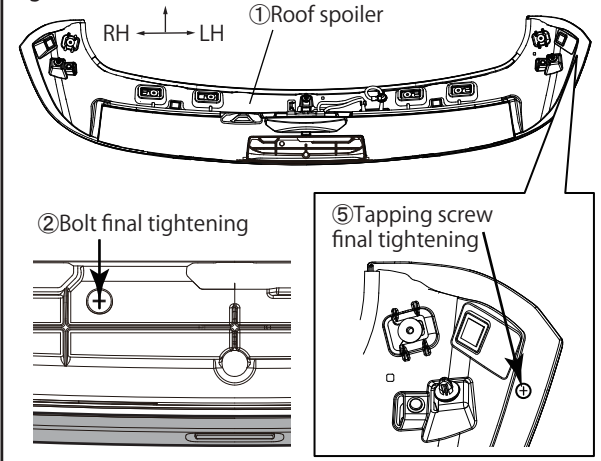
- (8) Slowly pull off the backing paper f of the double-sided tape so that it will not break at midpoint. Firmly press the double-sided tape area to the extent that vehicle body shakes slightly. (Fig. 22)

- (9) Peel off the masking tape attached to the vehicle roof spoiler.

- (10) Remove the vehicle roof spoiler once. (Clip: 3 locations in total)

⚠ CAUTION	When removing the vehicle roof spoiler, be careful not to hold the roof spoiler① by hands. This work is recommended to be performed with 2 workers.
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Fig. 23



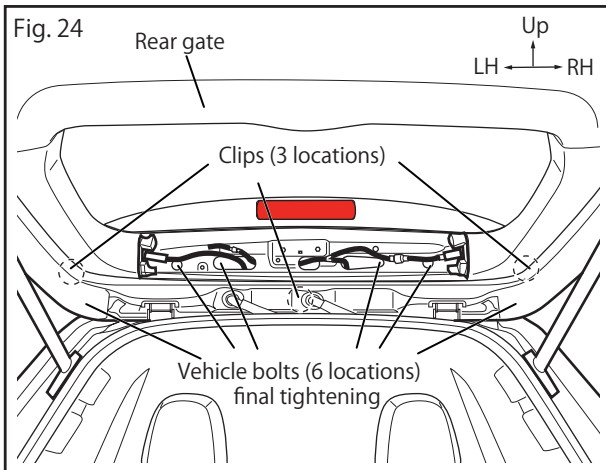
- (11) Finally tighten the bolt② and tapping screw⑤ temporarily fixed in 2.(2) and (3). (3 locations)

- ② Bolt tightening torque                    2.0 N·m (0.2 kgf·m)  
 ⑤ Tapping screw tightening torque        2.0 N·m (0.2 kgf·m)  
 (Fig. 23)

- (12) Referring to 1.(8), reinstall the HMSL to the vehicle roof spoiler.
- Vehicle nuts (2 locations)  
Tightening torque 5.0 N·m (0.5 kgf·m)

- (13) Perform 1.(1) to (7) in reverse order to reinstall the vehicle roof spoiler.
- Clips (3 locations)
  - Vehicle bolts (6 locations)  
Tightening torque 8.0 N·m (0.8 kgf·m)  
(Fig. 24)

- (14) Check that the HMSL lights up.



 CAUTION	Be careful not to catch the harness of each part when restoring vehicle parts. Incomplete installation of the vehicle roof spoiler may cause leakage. Make sure that the bolts are fully tightened. Make sure the HMSL harness grommet is installed.
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### 3. Check after installation work or inspection

- (1) Open and close the rear gate to check that there is no abnormality (malfunction, abnormal noise, contact) during the open/close operation.
- (2) Check for any looseness, inclination, coming-off of bolts and nuts, and others in the installed area, and make corrections if necessary.  
Finally, check that there is no scratch, dirt, or the like.

The installation work has been completed.

### Revision history

Δ	Content	Date
Δ 00	Newly created	December 06, 2023