



Installation and Operations instructions for Flexible Draw Stiffener Rear

- Thank you for purchasing this product.
- This manual provides installation and handling instructions for this product, and precautions to be observed.
- Before using this product, be sure to read "Safety Precautions" and use the product properly.
- Keep this manual in a safe place, such as the glove box, and refer to it whenever necessary.

Important precautions are indicated with the following marks. Be sure to observe those precautions.

Warning	Precautions that you must observe for your safety. [Failure to observe these precautions may result in death or serious injury.]
Caution	Precautions that you must observe for your safety and for your vehicle. [Failure to observe these precautions may result in damages or accidents.]
* Advice	Information that you should familiarize yourself with. Information that are useful.

Warning

- Never attempt to modify this product. This may damage the product and may become cause of serious accidents.
- Be sure to stop the engine during work for safety reasons.
- Be sure to tighten bolts and nuts firmly.
- Inspect the nuts and bolts after the first 60 miles (100 km) of driving after attaching them. Re-tighten them if necessary.
- If abnormal noise or vibration occurs while driving, pull over the car immediately to a safe place, and then inspect and re-tighten the attaching bolts. If abnormalities persist, perform inspection and make necessary repairs immediately.
- If you continue to drive in this condition, damages or accidents may occur.
- Stop using this product immediately if it has defects such as deterioration and breakage, or receives a strong impact, as these conditions impair the product's original performance.
- Make sure that no part comes in contact with the battery while working.

Caution

- This product does not improve the limit performance significantly. Always drive safely.
- Do not use this product on inapplicable vehicles or for purposes other than it is designed for. Doing so may result in damages or accidents.
- Install this product in accordance with the service manual issued by SUBARU CORPORATION for your model. Also make sure to adhere to the precautions described in this document.
- If bolts and nuts are not tightened with specified torque while installing this product, they may be damaged or become loose. Make sure to tighten them with the specified torque.
- After installing this product, the fluid should be replenished or changed at a SUBARU dealer.

***Advice**

- SUBARU shall not be held liable for any direct or indirect damage due to failures or other malfunction caused by incorrect installation or handling of this product.
- SUBARU does not honor warranty claims for malfunctions of products or vehicles that occur directly or indirectly due to the installation of this product.
- Malfunctions of vehicles that could occur due to the installation of this product may not be covered by the SUBARU vehicle warranty.
- When replacing parts with this product, be sure to use genuine SUBARU parts for non-reusable parts, consumables, oil and grease.
- Product specifications are subject to change without notice.
- Installation of this product may cause deterioration in ride comfort or significant changes in driving characteristics.

Installation Instructions



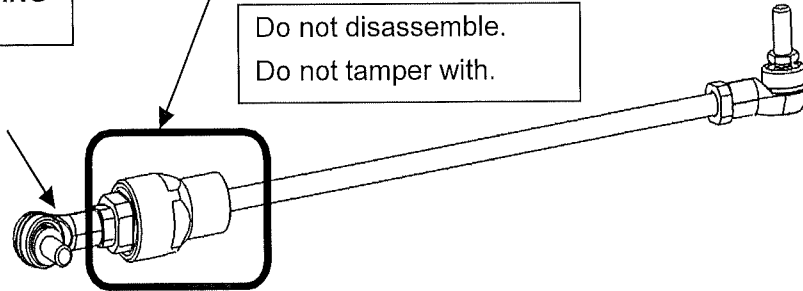
WARNING

Link Ball

Do not disassemble.

Stiffener Main Body

Do not disassemble.
Do not tamper with.



Do not disassemble the Stiffener's main body, as it has been tightened with the specified torque after the sealant is applied for waterproofing and dustproofing treatment.

Disassembling it forcibly may result in damage.

In addition, the connection between the Stiffener's main body and the link ball is torque-controlled before shipping.

Do not overtighten them or they may be damaged. If you have done so, replace the part with a new one.

1. Part Number and Applicable Car Model

Part Number	Part Name	Applicable Car Model
SG920VA020	STI R FLEX DRAW STIF	WRX STI A TYPE~ WRX A TYPE~

2. Component Parts

	Parts name	Quantity
1	Flexible Draw Stiffener Rear	1
2	Bracket LH	1
3	Bracket RH	1
4	Nut plates	2
5	Flange bolts M8×16	4
6	Flange nuts M8	2
7	Washers	2
8	EPT-Sealer Large (50×70×5)	2
9	EPT-Sealer Small (30×70×5)	2
10	Patterns (RH / LH)	1 sheet each

*Please check the quantities of the component parts first. If there are any missing parts or discrepancies, please contact your dealer.

3. Specification

By applying tensile force to the vehicle body, the hysteresis of the vehicle body caused by input from the rear suspension is removed and steering delay is reduced.

4. Installation Precautions

Warning

- For safety purposes, always turn off the engine and ignition while operating. And disconnect the negative terminal of the battery before you start working on installation of the product.
- Always tighten bolts and nuts firmly.

Caution

- The contents of this manual is designed for automobile mechanics or those who have basic knowledge about automobile maintenance. Do not let inexperienced persons to work alone, as it could cause the vehicle to undergo dangerous troubles during driving. To install the product properly for it to function as intended, it is recommended to perform the installation procedure at an authorized SUBARU retailer.
- Be sure to perform the work in accordance with the service manual for the relevant model issued by SUBARU CORPORATION. and observe the precautions in this manual.
- Tighten bolts and nuts according to specified torque. If not tightened with specified torque, the bolts

5. Simultaneous Replacement and Non-reusable Parts

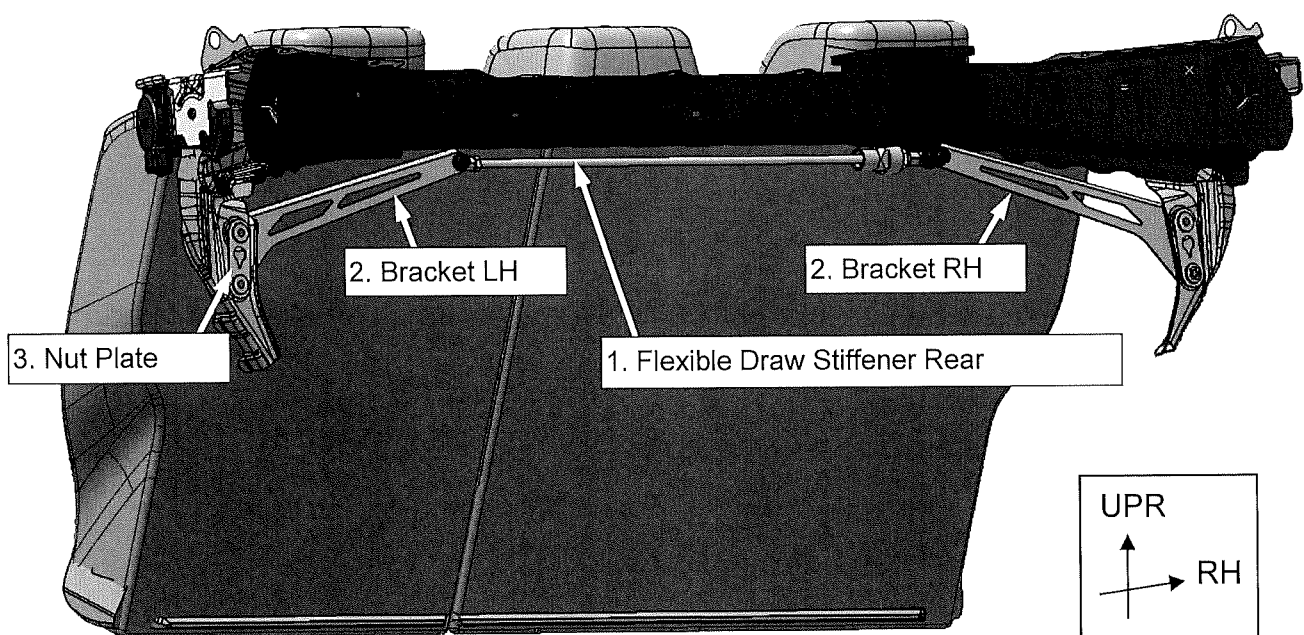
Nuts and bolts must be replaced in accordance with the service manual issued by Subaru Corporation.

6. Work Procedure

Make sure to follow instructions in the service manual issued by SUBARU CORPORATION for replacement instructions of related detachable parts when installing this kit.

*An example of the right-hand side of the vehicle is shown in this section. The work should be carried out in the same way on the left-hand side.

Overview of an Installed Flexible Draw Stiffener Rear



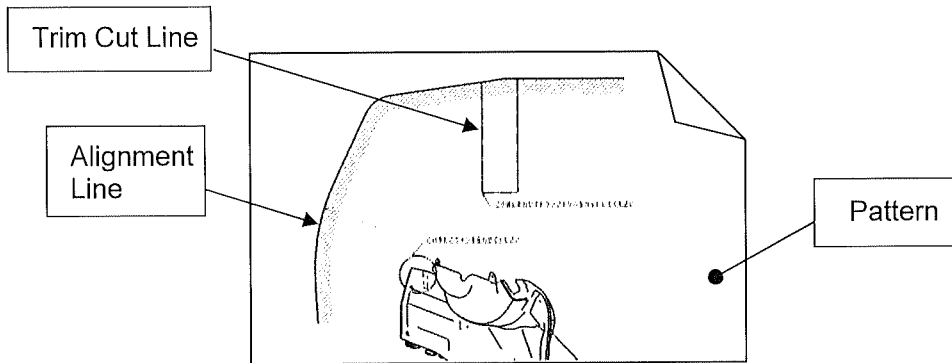
* The above diagram is for reference only and the shape and location of peripheral parts may vary depending on the vehicle specifications.

A: Introduction

1) Prepare the following items

Scissors and cutter knife	6 and 12 mm spanners	Torque wrench
Tape	12 mm thin spanner	Interior removal products
Marker pen	12 mm socket	Ruler

2) Cut out the pattern along the alignment and trim cut lines.

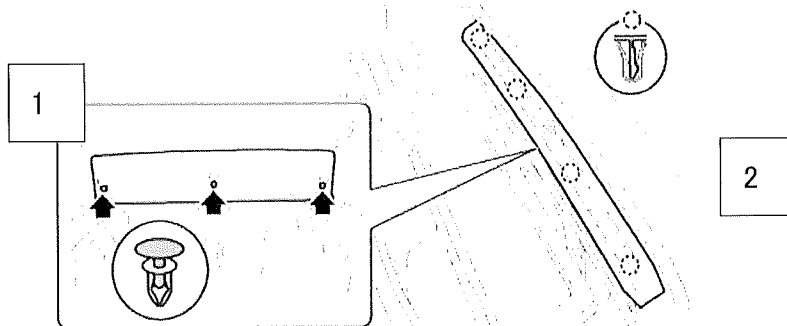


B: Processing of Trim Panel – Trunk Side

1) Remove the trunk mat.

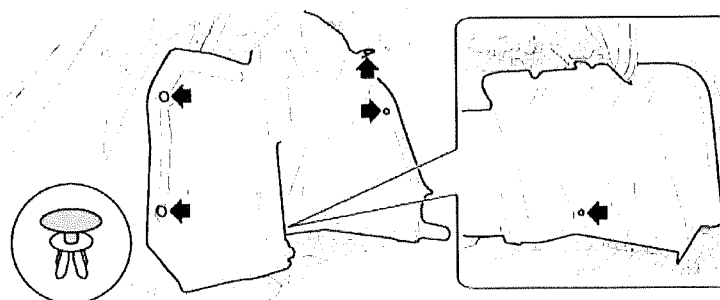
2) Removal of the Trim Panel - Trunk Rear

1. Remove the 3 clips on the front side of the vehicle.
2. Remove the Trim Panel - Trunk Rear while disengaging the locking clips.

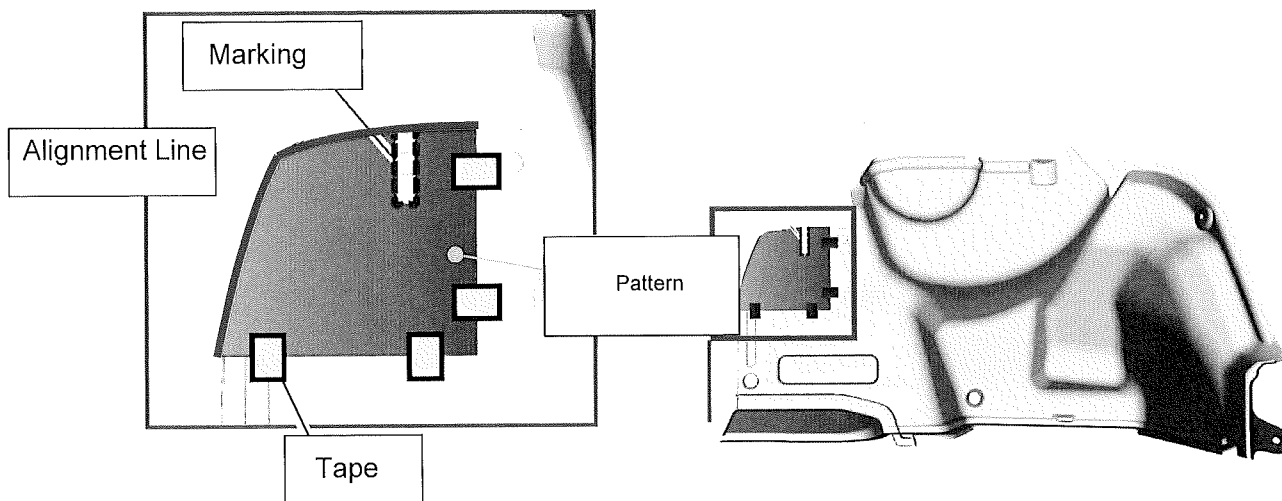


3) Removal of the Trim Panel - Trunk Side

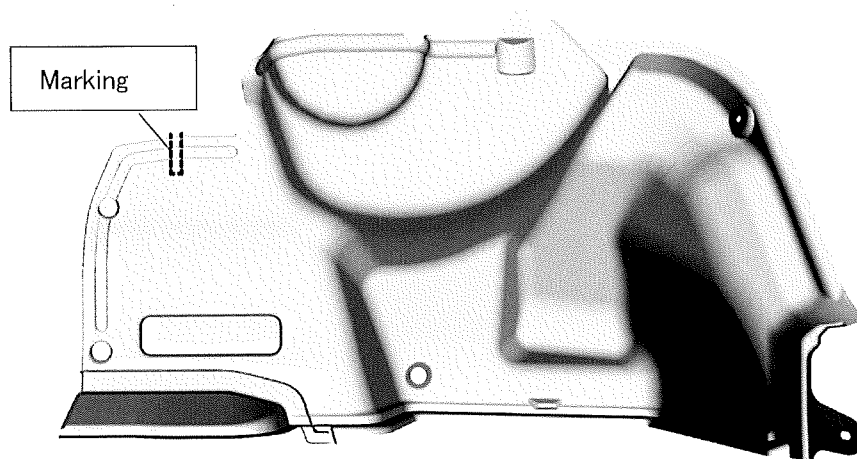
Remove the 5 clips and then the Trim Panel - Trunk Side.



4) Tape the alignment line of the pattern along the outline of the trim and mark along the pattern.



5) Remove the pattern and tapes, and cut the Trim Panel - Trunk Side along the marking.



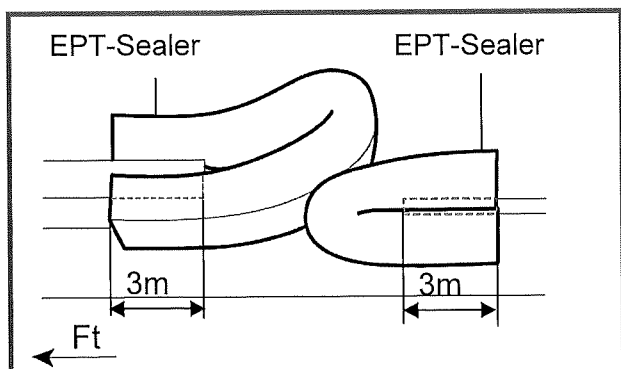
*** ADVICE**

- Do not cut the sound-absorbing material behind the Trim Panel - Trunk Side.

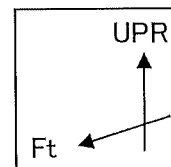
6) Attachment of EPT-Sealers

Apply EPT-Sealers to the cut area as shown below.

The paste margin must be 3mm, with large EPT-Sealers on the front side of the vehicle and small EPT-Sealers on the rear side.

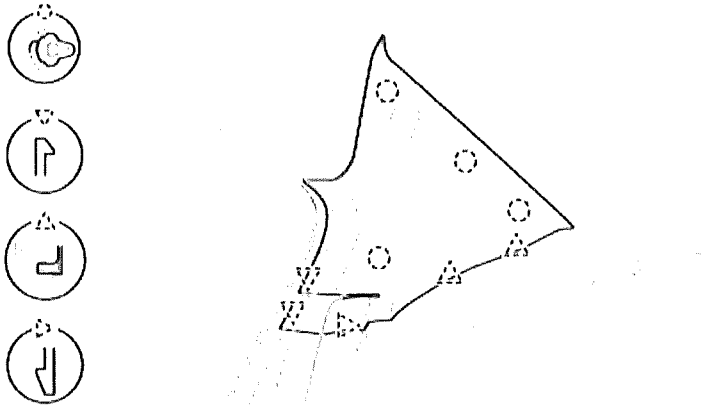


Arrow View (A)



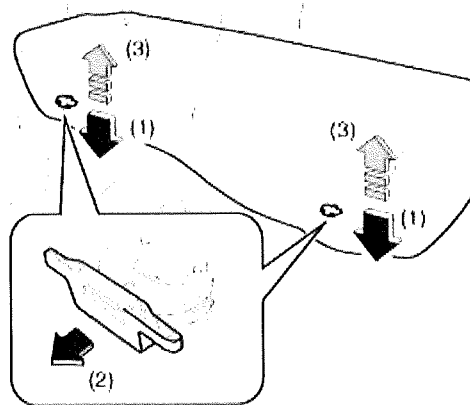
C: Removal of the rear quarter trim

1) Remove the clips and detach the Trim Panel - Rear Pillar UPR.



2) Removal of the rear seat cushion.

1. Push the seat cushion in the direction of (1) and lift the seat cushion in the direction of (3) while pulling the knob (2) to remove the hooks.

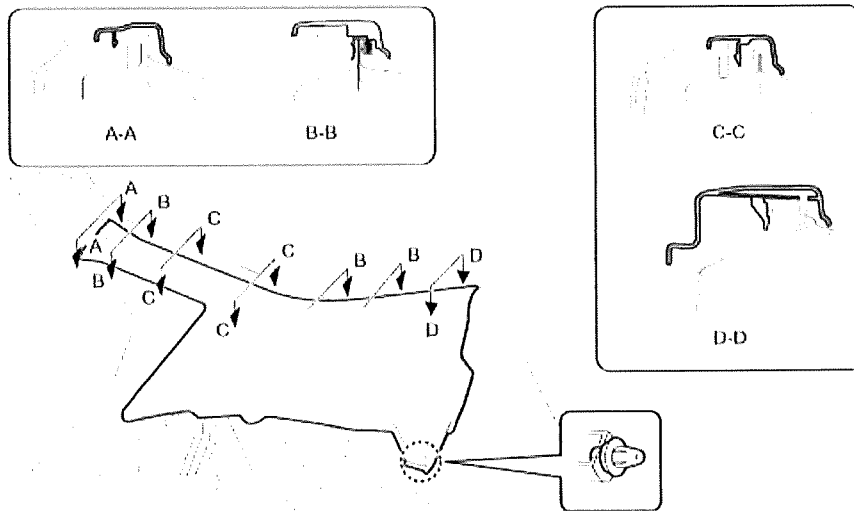


2. Lift the front side of the seat cushion to free the seat cushion from the hooks (A).

⚠ WARNING

- A sensor for the airbag system is installed underneath the rear seat cushion.
Disconnect the negative terminal of the battery and wait at least 60 seconds before starting work.
- Avoid impacting the airbag sensor underneath the rear seat cushion.
Failure to do so may result in malfunction or failure of the sensor.

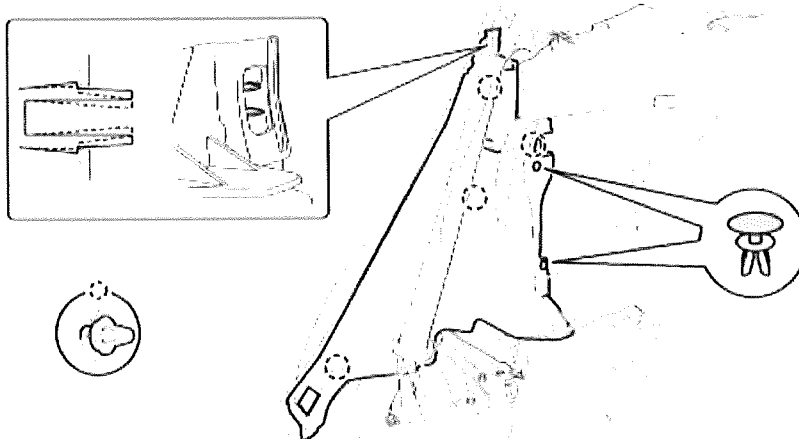
3) Remove the clip and disengage the locking clips to detach the Cover Side Sill - Rear.



⚠ CAUTION

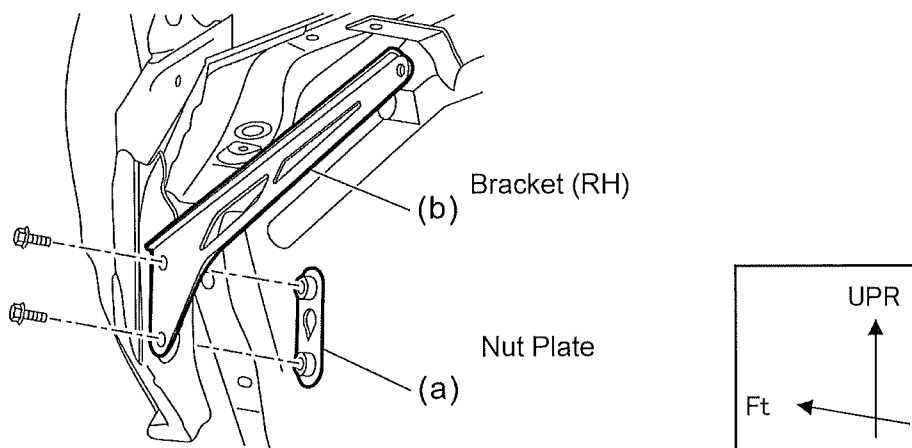
• Do not forcibly pull the cover. It may damage the locking clips.

4) Remove the clips and detach the Trim Panel - Rear Pillar LWR.



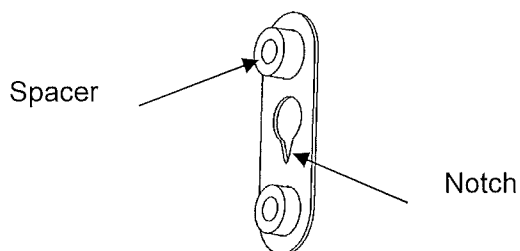
D: Mounting brackets

1) Temporarily fasten the bracket to the body of the vehicle using a nut plate.

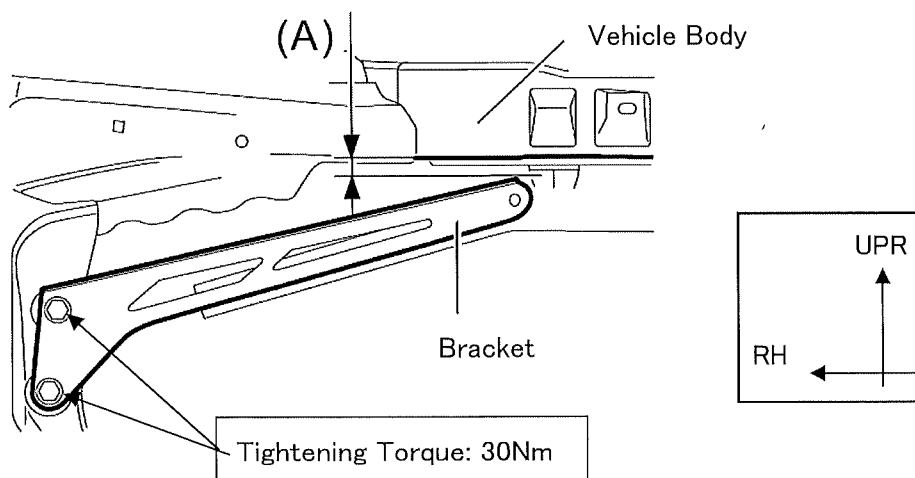


*** ADVICE**

- The nut plate should be used with the notch facing down.
- Use the nut plate with the spacers facing the body of the vehicle.

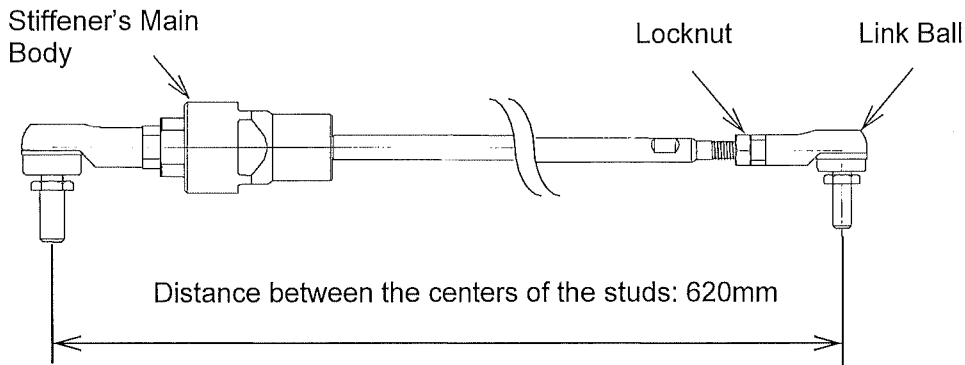


2) Tighten the temporarily fastened bolts while adjusting the gap (A) between the bracket and the body of the vehicle to 8 to 12 mm.



E: Installation of Draw Stiffener

1) Check the length of the Draw Stiffener.

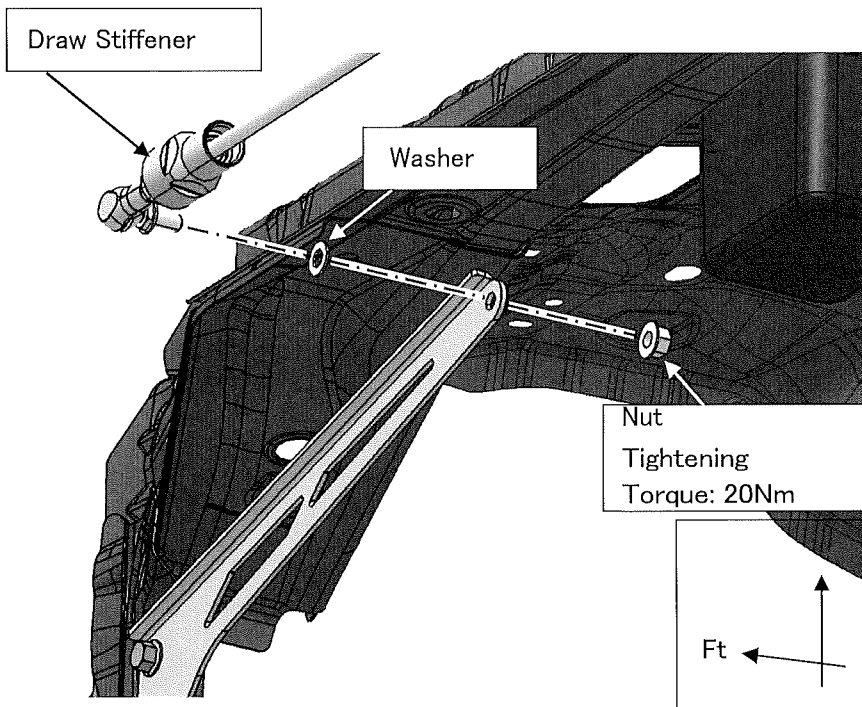


⚠ WARNING

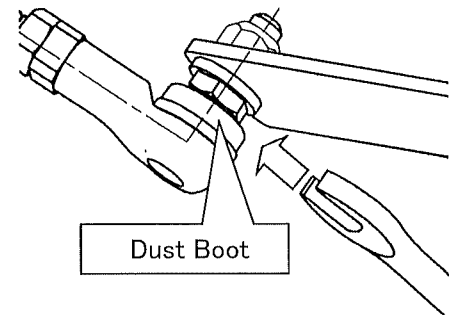
- Do not disassemble or retighten the Stiffener's main body. The Stiffener's main body is tightened with the specified torque after applying sealant, so it may be damaged if it is disassembled or retightened. If you have done so, replace the part with a new one.

2) Place a washer between the Draw Stiffener's main body and the bracket, and fix it temporarily.

3) Tighten the nut.



⚠ Caution



Be careful not to damage the link ball dust boot (grease leakage may happen).

It is recommended to use a thin spanner to prevent biting by the spanner.

⚠ WARNING

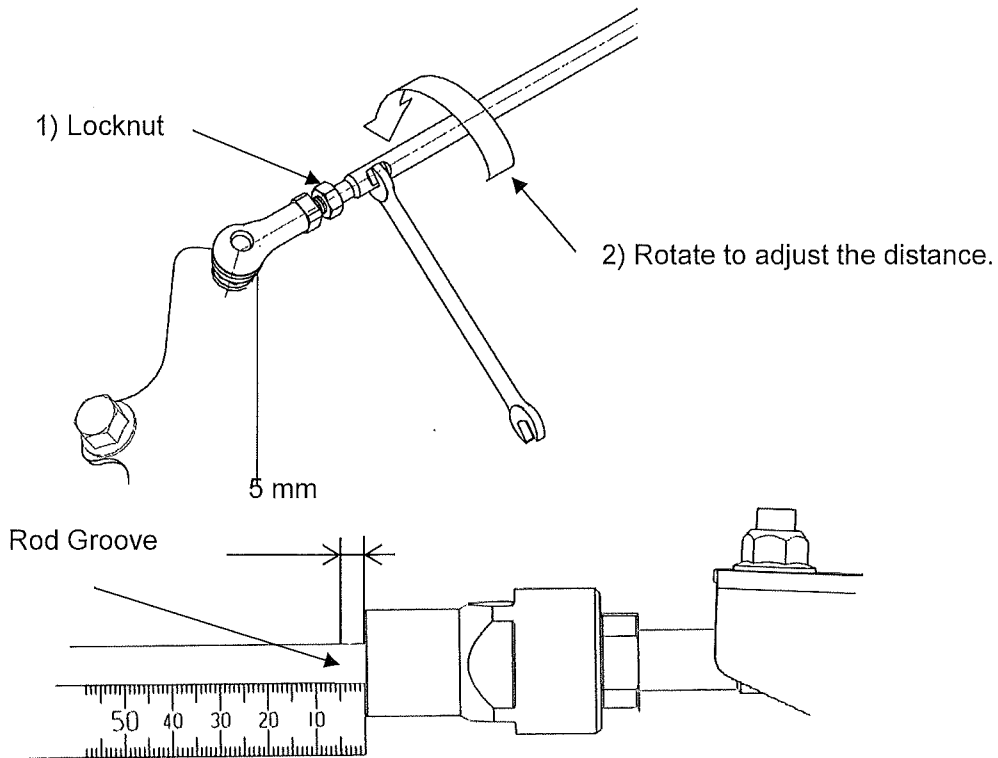
Nuts and bolts must be securely fastened with the specified torque. If they are not tightened securely, there is a risk of abnormal noise or dislocation.

*** ADVICE**

- The distance between the stud centers is adjusted to 620 mm at the time of shipment, but if they do not fit the holes in the brackets when temporarily fastened, loosen the locknut and rotate the link ball to adjust the length.

F: Adjustment of Stiffener

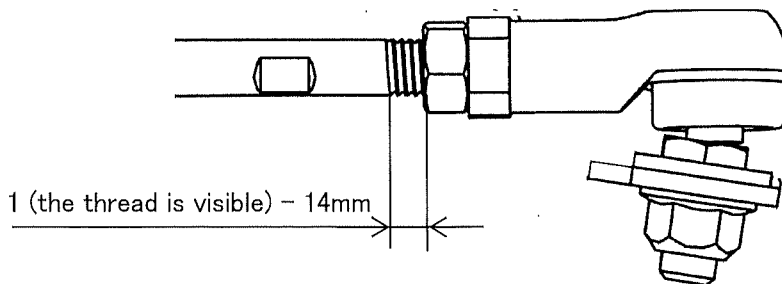
- 1) Loosen the locknut while holding the rod down with a spanner to prevent it from turning.
- 2) Turn the rod with a spanner etc. to adjust the distance between the end face of the Stiffener and the rod groove to 5 mm.



⚠ CAUTION

- Do not apply any other adjustment value than the specified one for the distance between the Stiffener end face and the rod groove.
- Forced adjustments may not only deteriorate the performance of the product, but may also damage this product and the vehicle.

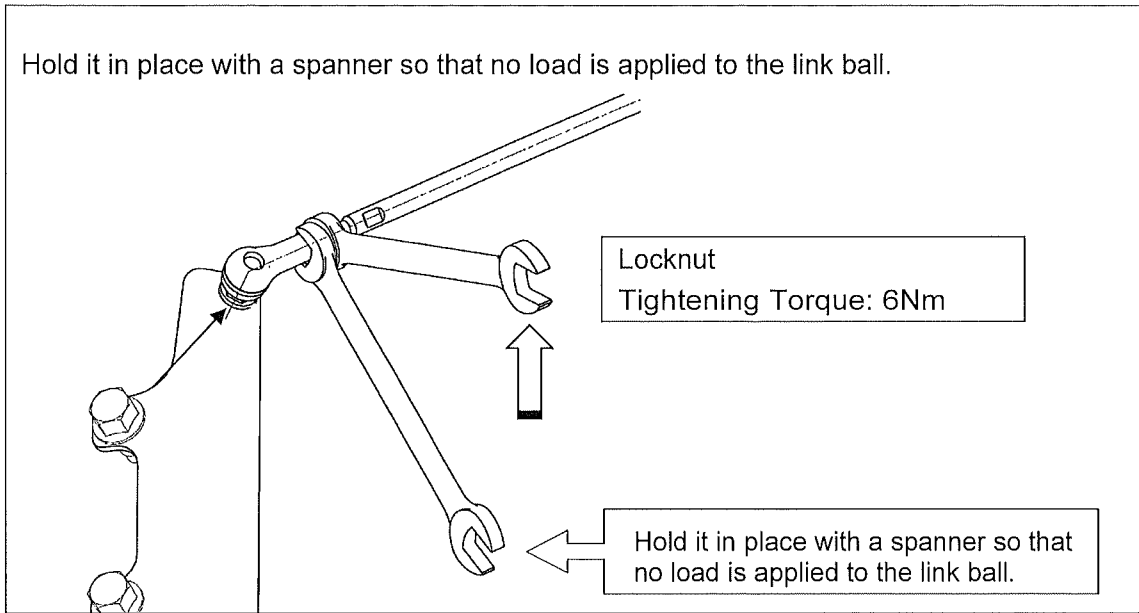
- 3) Make sure that the thread on the rod side of the locknut is 1 (the thread is visible) to 14mm.



⚠ CAUTION

- If it is not in the above range, the screw may be damaged, so correct the bracket mounting position and readjust it to be within the specified range.

4) Use a spanner to avoid putting a load on the link ball and tighten the locknut with the specified torque.



⚠ WARNING

Nuts and bolts must be securely fastened with the specified torque.
If they are not tightened securely, noise may be generated or driving conditions may become unstable, which could result in an accident.

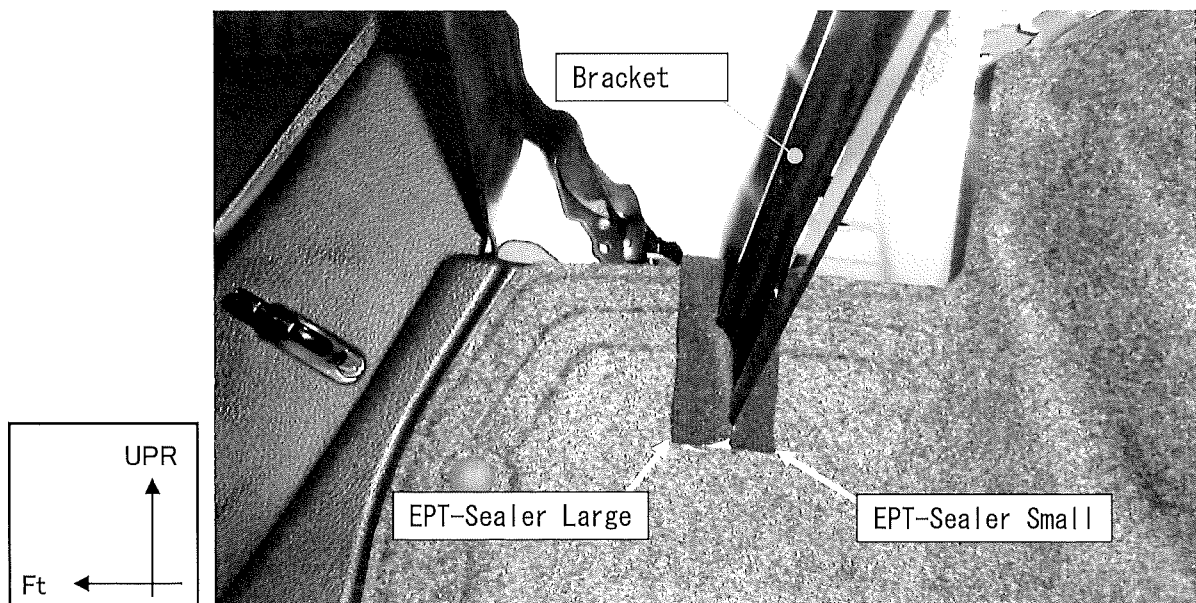
G: Restoration

1) Install the Trim Panel - Rear Pillar LWR in the reverse procedure to removal.

2) Installation of the Trim Panel - Trunk Side

Attach the Trim Panel - Trunk Side in the reverse procedure to removal.

To install the Trim Panel - Trunk Side, pass the bracket through the area cut in step A and maintain the gap sealed with EPT-Sealer, as shown below.



- 3) Installation of the Cover Side Sill - Rear
Attach the Cover Side Sill - Rear in the reverse procedure to removal.
- 4) Installation of the rear seat cushion.
Mount the rear seat cushion in the reverse procedure to removal.
- 5) Installation of the Trim Panel - Rear Pillar UPR
Attach the Trim Panel - Rear Pillar UPR in the reverse procedure to removal.
- 6) Installation of the Trim Panel - Trunk Rear
Attach the Trim Panel - Trunk Rear in the reverse procedure to removal.
- 7) Reinstall the trunk mat.

To customers

Handling Precautions



Warning

- If abnormal noise or vibration occurs while driving, pull over the car immediately to a safe place, and then inspect and re-tighten the attaching bolts. If abnormalities persist, perform inspection and make necessary repairs immediately. If you continue to drive in this condition, damages or accidents may occur.
- Inspect the nuts and bolts after the first 60 miles (100 km) of driving and periodically after attaching them. Re-tighten them if necessary.
- Please do not use this product for other than applicable models.

Caution

- We recommend that this product be installed at an authorized Subaru maintenance facility to ensure proper installation and function.
- When removing the flexible tower bar from the vehicle, place the support on the under side of the bar so that the center part (rubber boot) does not bend.
- Do not remove the rubber boot from the center spherical bearing.