

# BODY REPAIR MANUAL

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|                                                                                     | Page |
|-------------------------------------------------------------------------------------|------|
| 1. Foreword .....                                                                   | 3    |
| 2. Airbag Operating Instructions .....                                              | 11   |
| 3. Jack/Lift Points .....                                                           | 20   |
| 4. Vehicle Identification .....                                                     | 24   |
| 5. Assembly of Exterior Parts .....                                                 | 27   |
| 6. Panel Components .....                                                           | 41   |
| 7. Galvanized Sheet Metal .....                                                     | 54   |
| 8. Body Construction .....                                                          | 56   |
| 9. Body Reference Points .....                                                      | 63   |
| 10. Measurement for Combined Parts .....                                            | 84   |
| 11. Panel Replacement .....                                                         | 88   |
| 11-1. Radiator Panel (total replacement) .....                                      | 88   |
| 11-2. Radiator Core Support (total replacement) .....                               | 91   |
| 11-3. Side Upper Frame (total replacement) .....                                    | 95   |
| 11-4. Front Wheel Apron (total replacement) .....                                   | 99   |
| 11-5. Front Wheel Apron LH (partial replacement) .....                              | 105  |
| 11-6. Front Wheel Apron RH (partial replacement) .....                              | 107  |
| 11-7. Closing Plate (partial replacement) .....                                     | 109  |
| 11-8. Front Side Frame (total replacement) .....                                    | 111  |
| 11-9. Front Side Frame (partial replacement) .....                                  | 115  |
| 11-10. Toe Board Lower Reinforcement (total replacement) .....                      | 117  |
| 11-11. Front Pillar (partial replacement) .....                                     | 121  |
| 11-12. Center Pillar (partial replacement) .....                                    | 129  |
| 11-13. Center Pillar Reinforcement (total replacement) .....                        | 135  |
| 11-14. Center Pillar Inner (total replacement) .....                                | 139  |
| 11-15. Side Sill Outer (partial replacement) .....                                  | 143  |
| 11-16. Side Sill Reinforcement Outer/OUTBACK (total replacement) .....              | 147  |
| 11-17. Side Sill Reinforcement Outer/Sedan (partial replacement) .....              | 153  |
| 11-18. Rear Quarter/OUTBACK (partial replacement) .....                             | 157  |
| 11-19. Rear Quarter/Sedan (partial replacement) .....                               | 161  |
| 11-20. Rear Quarter (including rear pillar patch)/Sedan (partial replacement) ..... | 165  |
| 11-21. Rear Quarter End (total replacement) .....                                   | 169  |
| 11-22. Rear Quarter End (replacement of only the part) .....                        | 171  |
| 11-23. Rear Wheel Apron/OUTBACK LH (total replacement) .....                        | 173  |
| 11-24. Rear Wheel Apron/OUTBACK RH (total replacement) .....                        | 175  |
| 11-25. Rear Wheel Apron/Sedan LH (total replacement) .....                          | 177  |
| 11-26. Rear Wheel Apron/Sedan RH (total replacement) .....                          | 179  |
| 11-27. Rear Quarter Inner/Sedan (total replacement) .....                           | 181  |
| 11-28. D-pillar Reinforcement (partial replacement) .....                           | 187  |
| 11-29. Rear Skirt/OUTBACK (total replacement) .....                                 | 189  |
| 11-30. Rear Skirt/Sedan (total replacement) .....                                   | 193  |
| 11-31. Rear Panel/Sedan (total replacement) .....                                   | 197  |
| 11-32. Rear Floor Pan (total replacement) .....                                     | 201  |

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|        |                                                 |     |
|--------|-------------------------------------------------|-----|
| 11-33. | Rear Floor Side (total replacement) .....       | 203 |
| 11-34. | Floor Side Frame Rear (total replacement) ..... | 207 |
| 11-35. | Side Sill Inner Rear (total replacement) .....  | 211 |
| 11-36. | Rear Floor Side Frame (total replacement) ..... | 215 |
| 11-37. | Roof Panel/OUTBACK (total replacement).....     | 223 |
| 11-38. | Roof Panel/Sedan (total replacement) .....      | 229 |
| 12.    | Body Sealing .....                              | 237 |
| 13.    | Anticorrosion Wax .....                         | 244 |
| 14.    | Undercoat .....                                 | 250 |
| 15.    | Damping Seat .....                              | 257 |
| 16.    | Insulator .....                                 | 259 |
| 17.    | Gauge Values for Fitting.....                   | 261 |
| 18.    | Wheel Alignment Standard Values.....            | 266 |
| 19.    | Plastic Parts and Materials .....               | 267 |
| 20.    | List of Plastic Material Notations.....         | 272 |

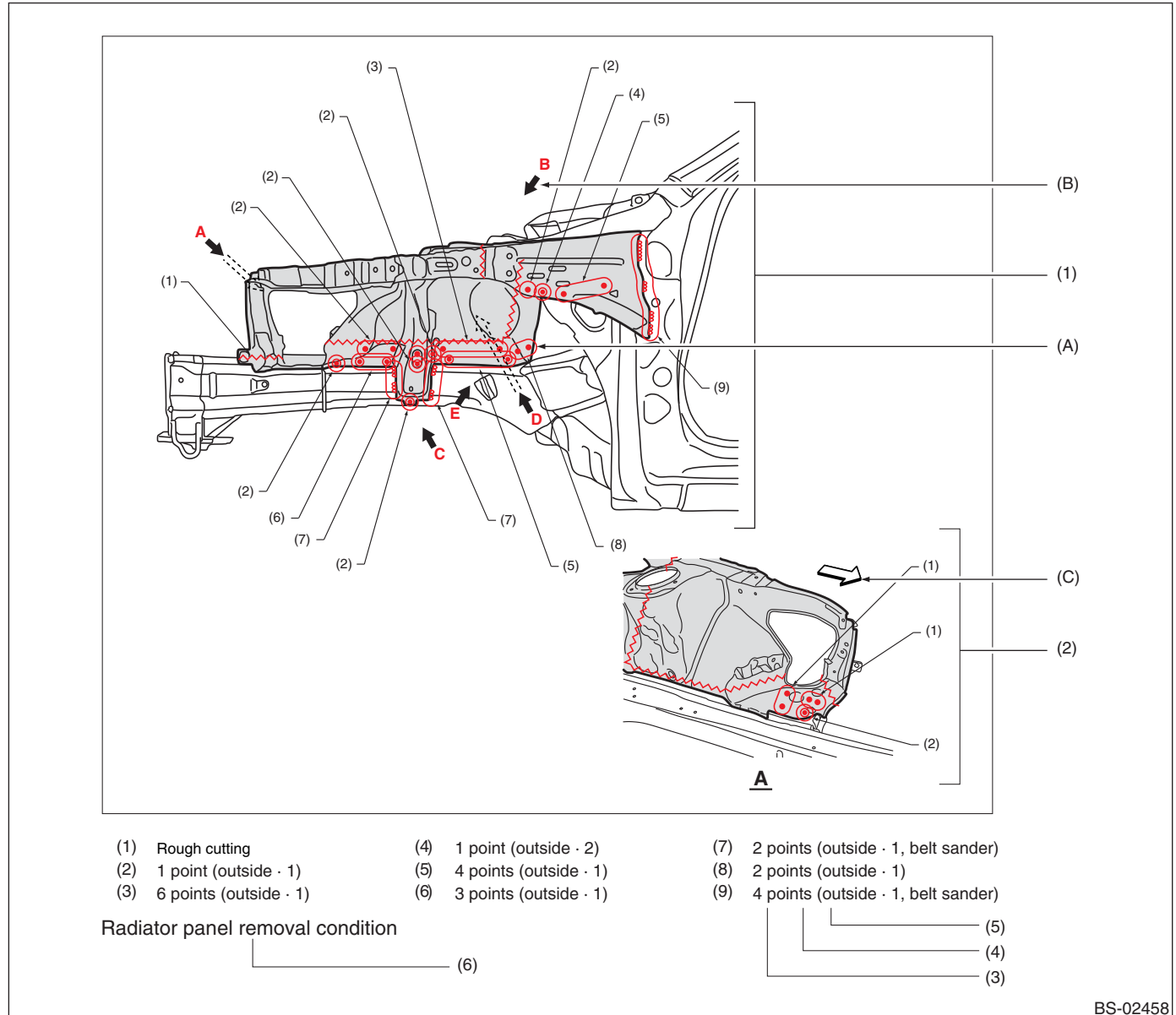
## 1. Foreword

### A: USE OF THIS MANUAL

This manual explains the points to be observed during removal and installation of parts separately by location.

### 1. ILLUSTRATION EXAMPLE

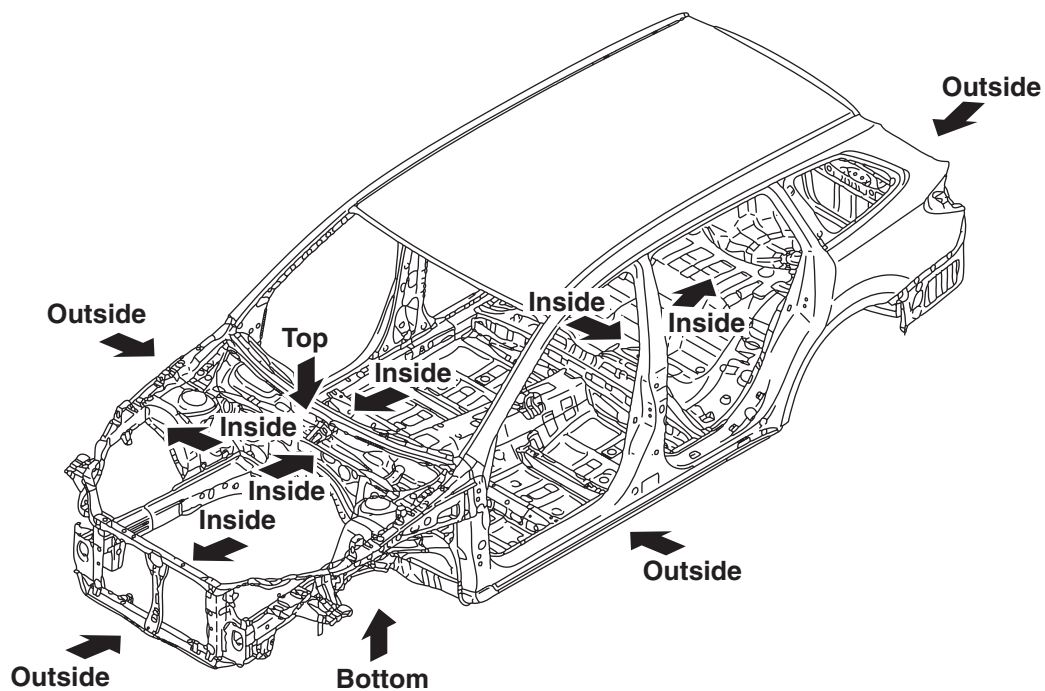
- Symbols and number of points indicate the welding method and the number of welding points. Text in brackets indicates the direction for removal of welded parts, and numbers indicate the number of plates to be drilled in panels of welded parts to be removed.
- An enclosure by a broken line indicates work from the opposite side (rear side).



- |                                    |                                                |
|------------------------------------|------------------------------------------------|
| (1) Overall view                   | (A) Welding method                             |
| (2) View                           | (B) View direction                             |
| (3) Number of welding points etc.  | (C) Direction towards the front of the vehicle |
| (4) Removal direction              |                                                |
| (5) Number of plates to be drilled |                                                |
| (6) Cautions for the work etc.     |                                                |

## 2. REMOVAL DIRECTION

Division is made into the four groups of inside, outside, top, and bottom, and these directions are defined as shown in the following figure.

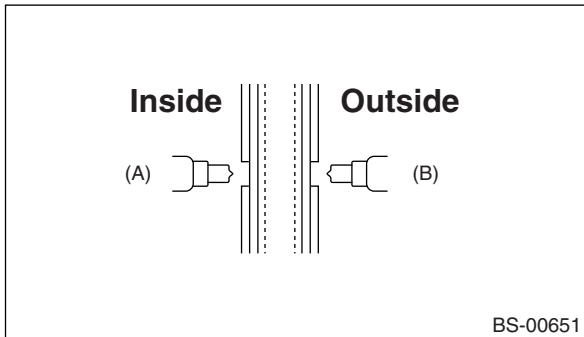


BS-04494

## 3. NUMBER OF PANELS TO BE DRILLED

Depending on the number of panels, drilling is done through one panel or two panels, and this number is listed together with the removal direction.

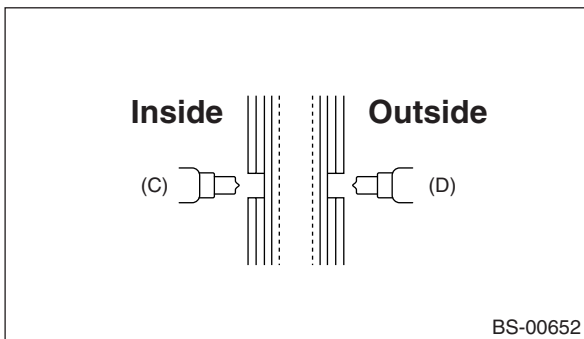
### (1) Drilling through one plate



(A) (Inside · 1)

(B) (Outside · 1)

### (2) Drilling through two plates

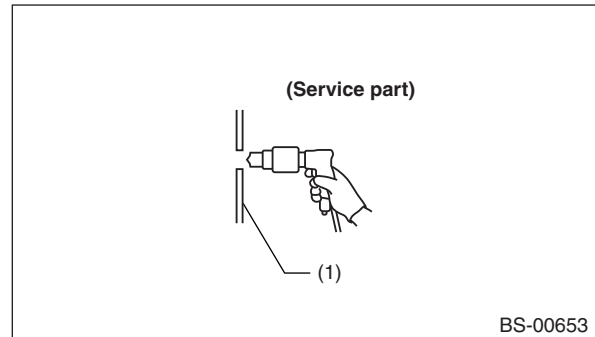


(C) (Inside · 2)

(D) (Outside · 2)

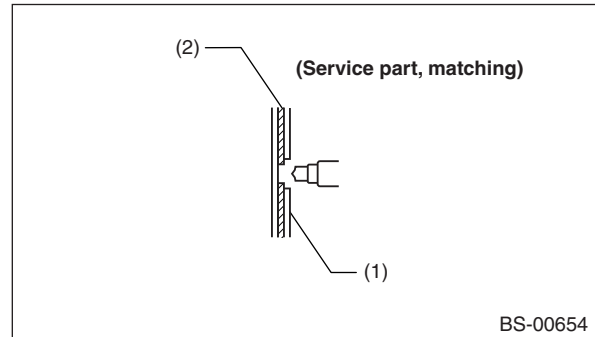
## 4. HOLE DRILLING FOR PLUG WELDING

### (1) Drilling of holes for plug welding in service parts



(1) Service part

### (2) Drilling of holes for plug welding in service parts, matching the holes on the vehicle side



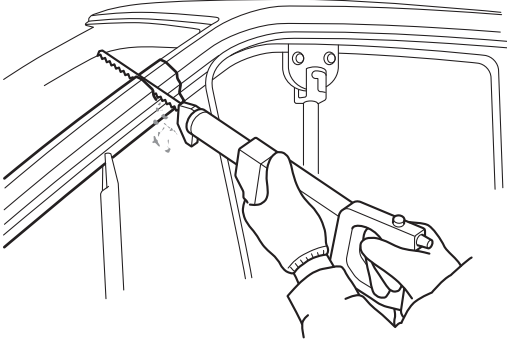
(1) Vehicle side

(2) Service part

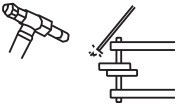
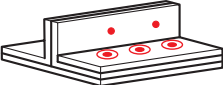
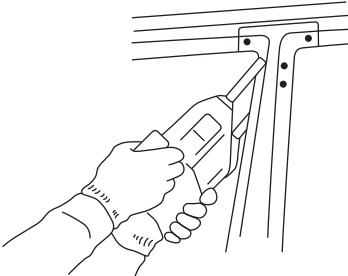
# Foreword

## 5. MEANING OF SYMBOLS

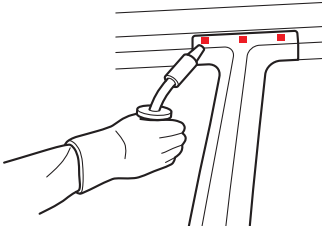
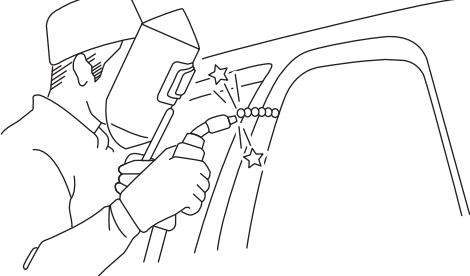
### • Cutting

|                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |
| BS-00352                                                                          | BS-00267                                                                           |

### • Spot welding

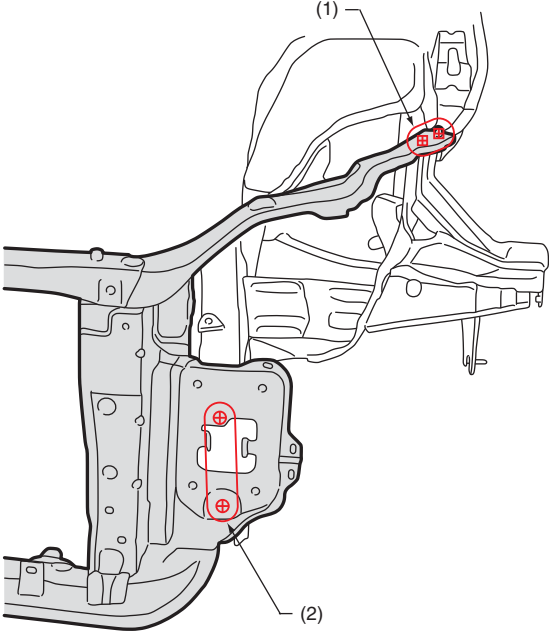
|                                 |                                                                                                 |                                                                                                 |                                                                                                |                                                                                                  |
|---------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Two overlapping parts           | <br>BS-00655   | <br>BS-00656   | <br>BS-00657 | <br>BS-00658 |
| Three or more overlapping parts | <br>BS-00659 | <br>BS-00660 |                                                                                                |                                                                                                  |

### • Carbon dioxide gas arc welding (MIG welding)

|                    |                                                                                                 |                                                                                                 |                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Plug welding       | <br>BS-00661 | <br>BS-00662 | <br>BS-00663 |
| Continuous welding | <br>BS-00664 | <br>BS-00665 | <br>BS-00666  |

Foreword

• Bolt, nut tightening portion

|      |                                                                                                                  |                                                                                                                   |
|------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Bolt | <div></div> <div>BS-04481</div> | <div></div> <div>BS-04483</div> |
| Nut  | <div></div> <div>BS-04482</div> |                                                                                                                   |

- (1) Bolt
- (2) Nut

## Foreword

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### B: CAUTION

Since there is a possibility that the required strength will not be obtained, an inverter welder must be used for spot-welding at locations where high-strength steel is used.

### C: NOTE

#### 1. CONCERNING 980 MPA HIGH-STRENGTH STEEL

It is recommended to perform welding of parts using 980 Mpa high-strength steel under the following conditions.

|              |               |                                                 |
|--------------|---------------|-------------------------------------------------|
| Spot welding | Compression   | 4500 N or more                                  |
|              | Current       | 8000 A or more                                  |
|              | Welding time  | 23 cyc or more                                  |
| Plug welding | Plug diameter | 8 mm (0.31 in) or more                          |
|              | Wire          | YGW16                                           |
|              | Gas           | Gas mixture (argon: 80%, CO <sub>2</sub> : 20%) |

#### 2. REPAIR WORK USING FOAM

##### CAUTION:

- Do not perform welding or other work involving high temperatures.
- Do not use an open flame at the time of disassembly.
- Remove residual foam before injecting the new material.
- After completion of work, confirm that there is no danger of igniting the material.
- Spray cans that have been used once cannot be used again.
- Use a narrow nozzle.

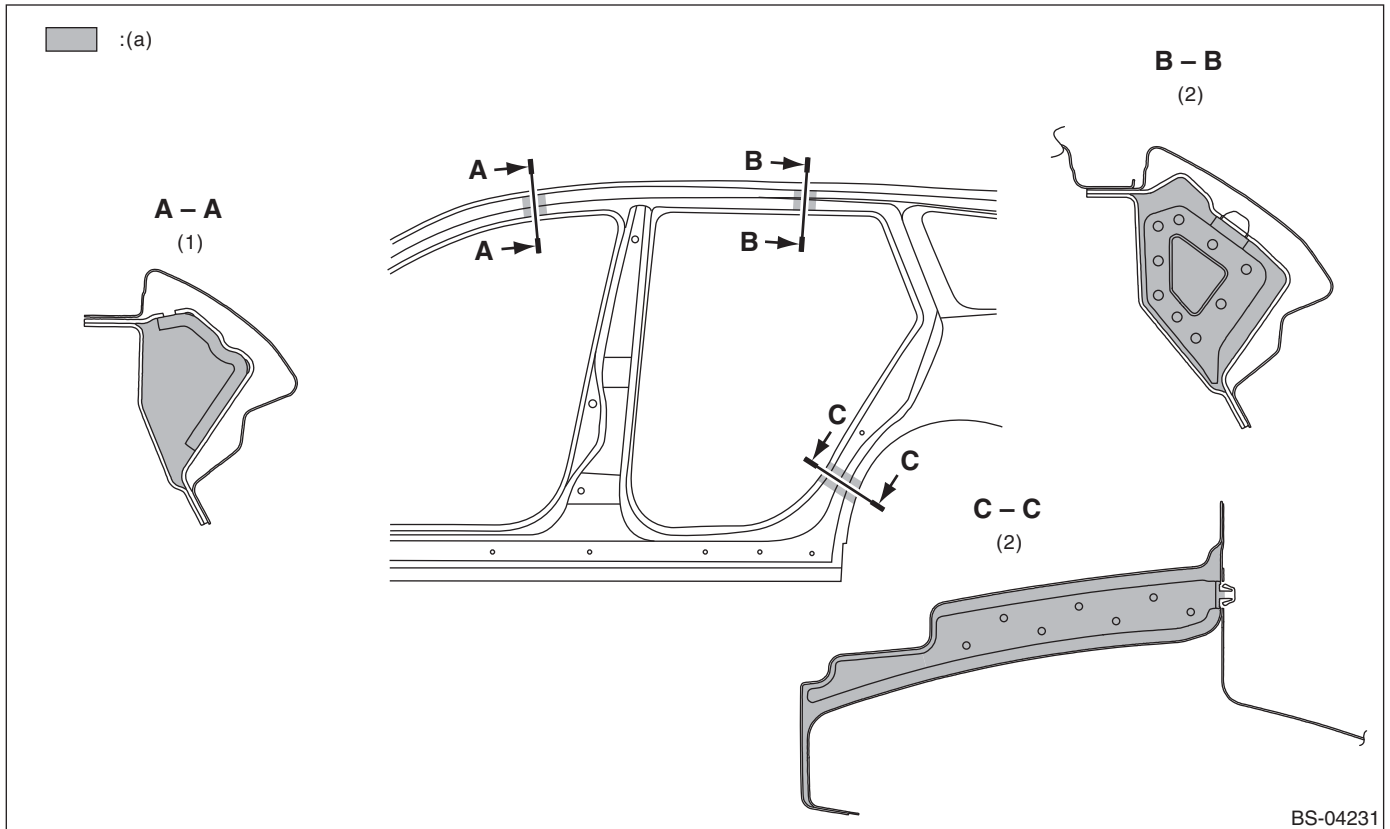
**Recommended materials: Equivalent to High Span Foam made by Cemedine**

For a clip type plate, reuse the plate and inject cold-setting foam.

For a clipless type, inject cold-setting foam as is.

# Foreword

- Foam injection locations (OUTBACK)



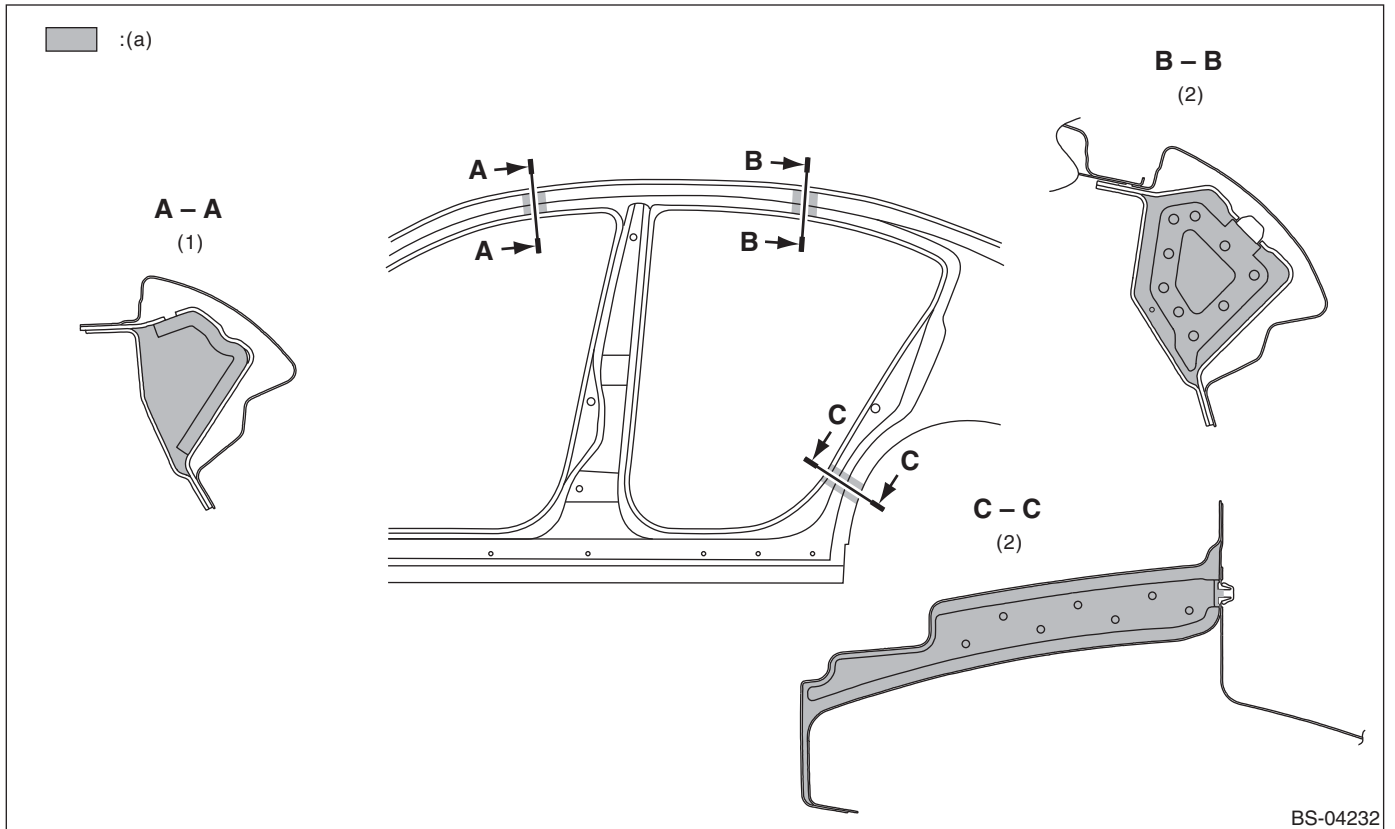
(a) Urethane foam injection locations

(1) Clipless type

(2) Clip type

# Foreword

- Foam injection locations (sedan)



(a) Urethane foam injection locations

(1) Clipless type

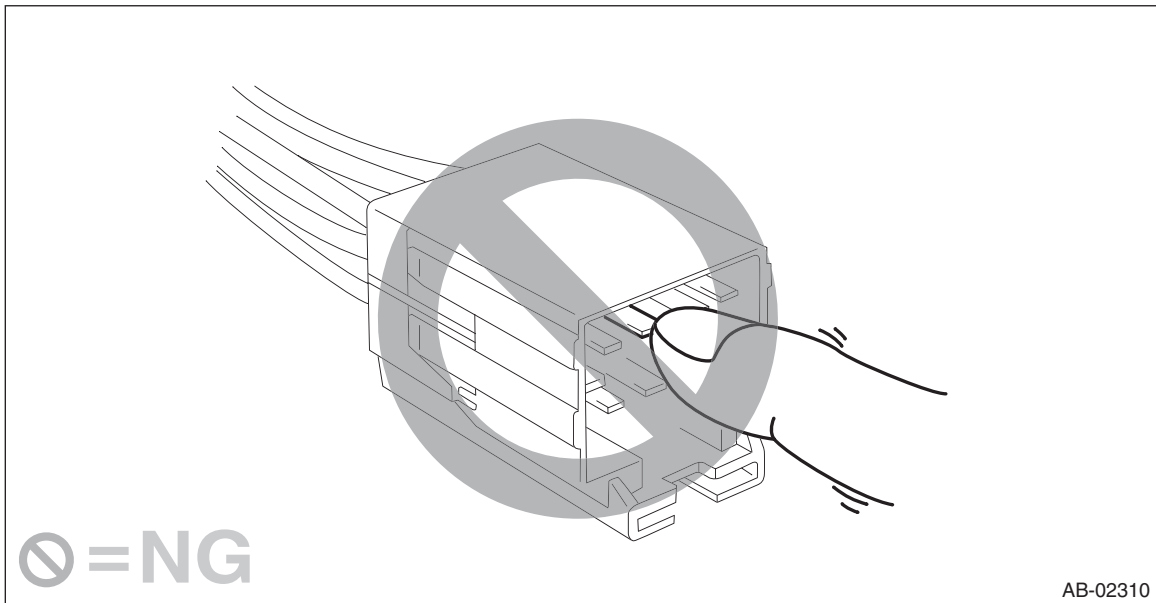
(2) Clip type

## 2. Airbag Operating Instructions

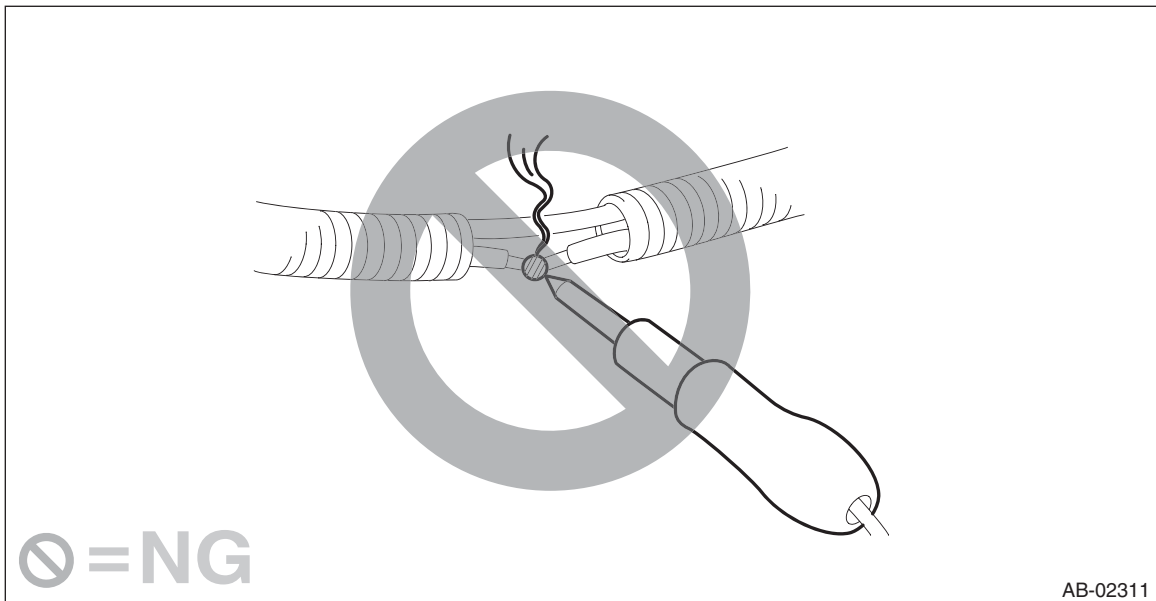
### A: CAUTION

#### 1. BEFORE STARTING ALL WORKS

- The airbag system is fitted with a backup power supply. After disconnecting the battery ground cable, the airbag may operate if you do not wait for 60 seconds or more before starting the service of airbag system.
- When servicing a vehicle, be sure to turn the ignition switch to OFF, disconnect the ground cable from battery, and wait for 60 seconds or more before starting work.
- Once the airbag warning light lights up, immediately inspect or repair the vehicle. Otherwise, the airbag system may malfunction.
- Do not allow water or oil to come in contact with the connector terminals. Also, do not touch the connector terminals directly.

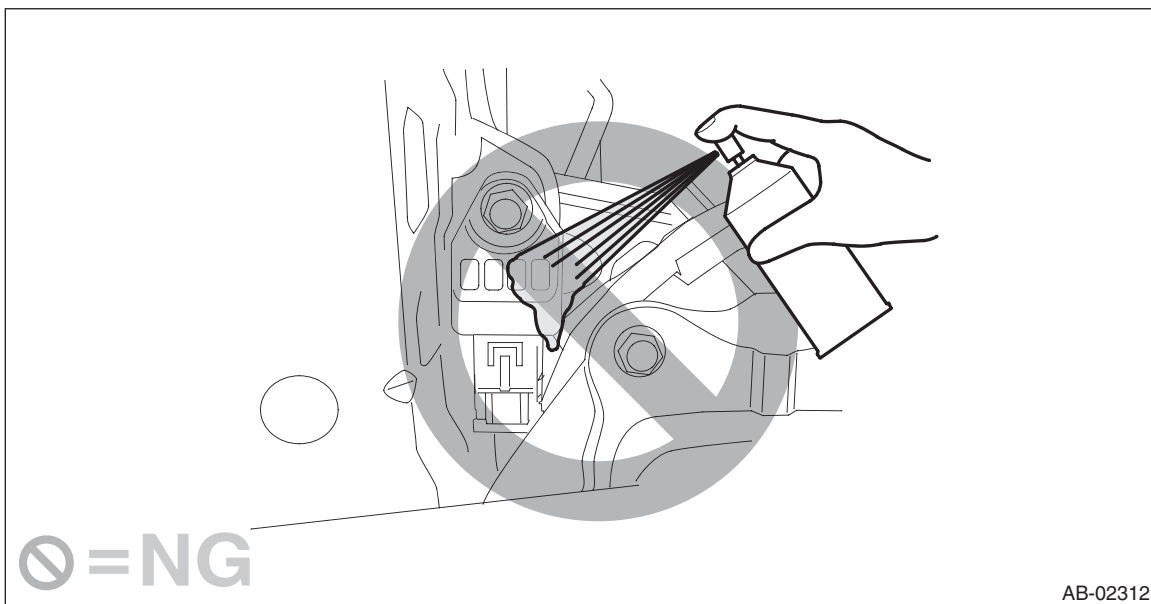


- If damage, open circuit or rust is found on airbag system wiring harness, do not repair the harness. Always replace the faulty harness with a new genuine part.



## Airbag Operating Instructions

- When painting or performing sheet metal work on the front part of the vehicle, including the front wheel apron, front fender and radiator panel side, remove the front sub sensors and wiring harness of airbag system.
- When painting or performing sheet metal work on the side of the vehicle, including the side sill, center pillar and front and rear doors, remove the side airbag sensors, curtain airbag sensor, and wiring harness of the airbag system.

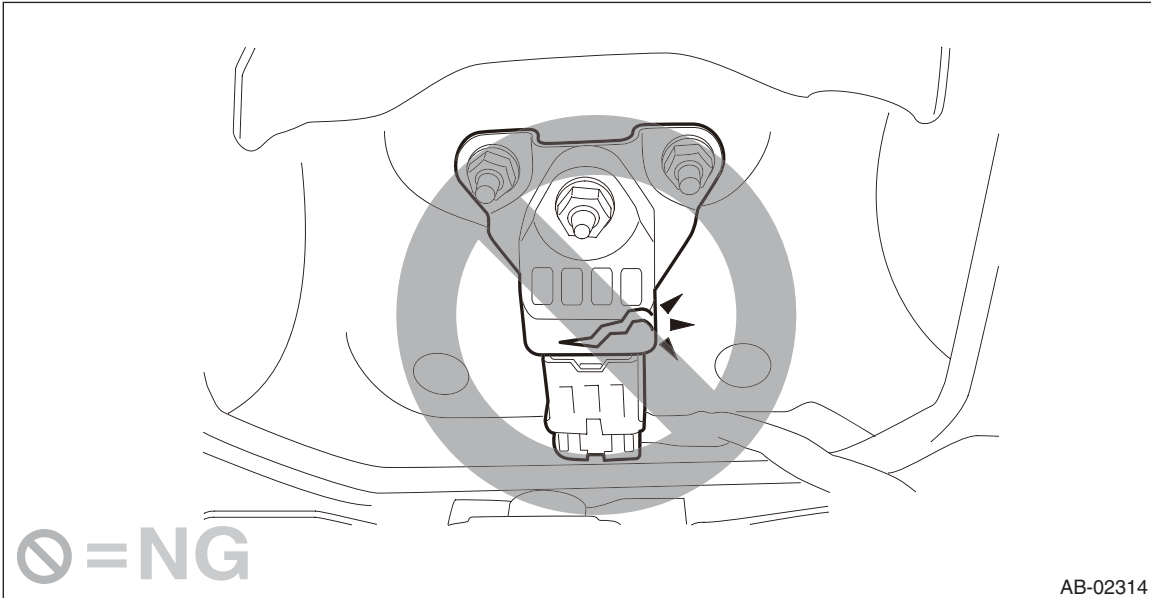


- When installing steering wheel and steering roll connector, be sure to adjust the steering roll connector.

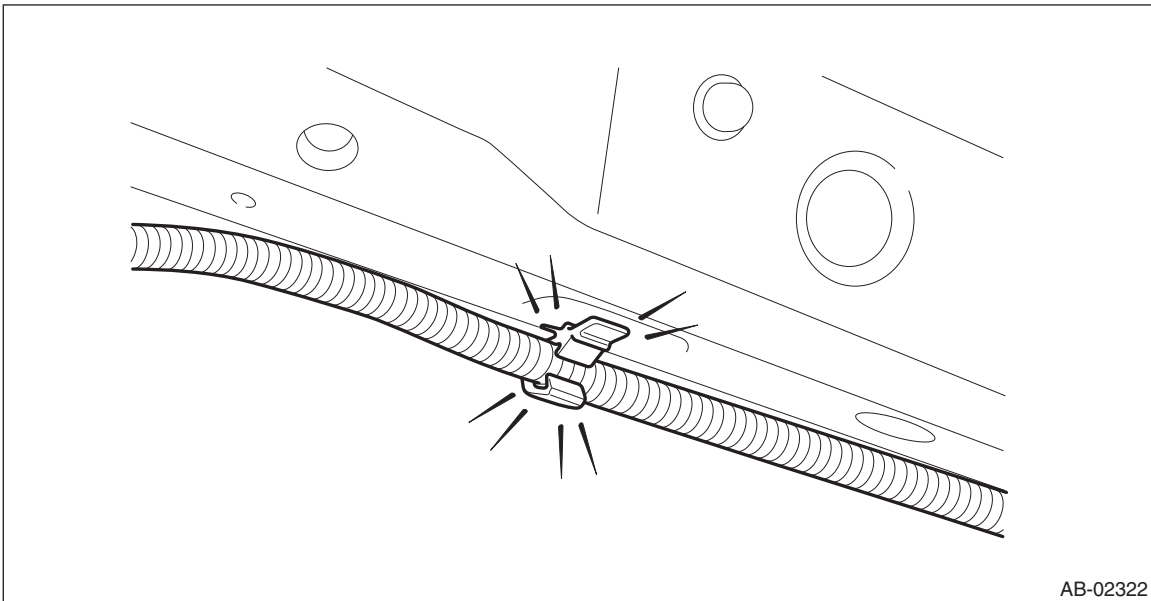
# Airbag Operating Instructions

## 2. BEFORE STARTING PARTS REPLACEMENT

- If airbag sensors, airbag module, airbag control module, pretensioners, or harnesses are deformed or damaged, replace with new parts.



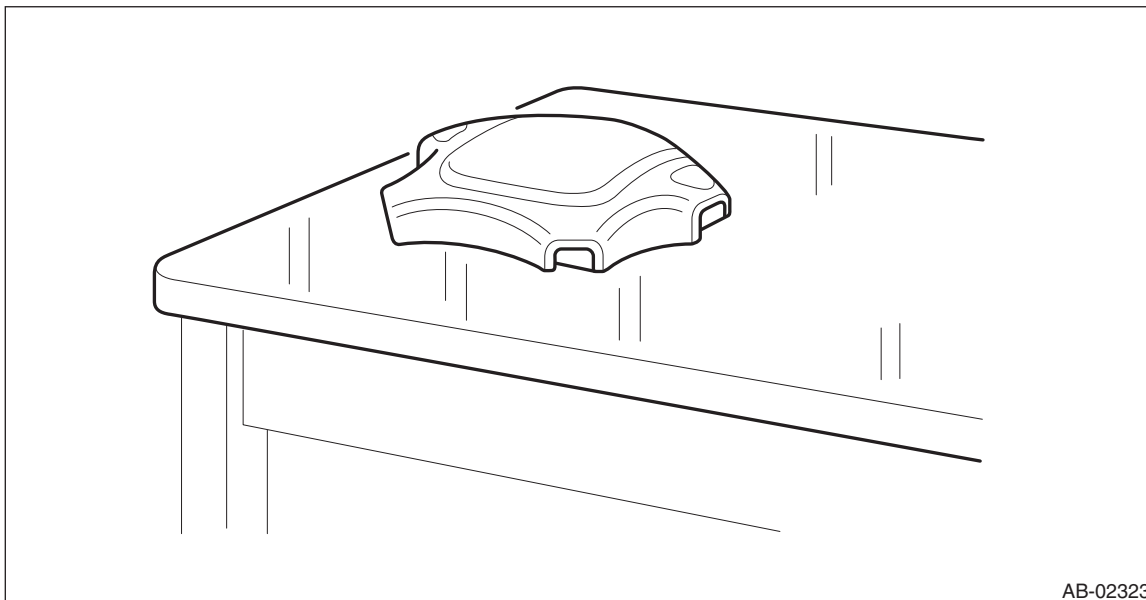
- Install the wiring harness securely with the specified clips to avoid interference or tangled with other parts.



- Do not use the airbag or pretensioner parts from other vehicles. Always replace the defective parts with new parts.
- Never reuse any activated airbag module and pretensioner.
- Do not discard undeployed airbag or pretensioner.
- When airbag control module, front sub sensor, side airbag sensor and curtain airbag sensor are removed, do not reuse the bolts and nuts of them. Always use new bolts and nuts for them.

## Airbag Operating Instructions

- When installing steering wheel and steering roll connector, be sure to adjust the steering roll connector.
- After removal of each parts for airbag system, keep them with the pad facing upward on a dry, clean and flat surface without heat, light sources, moisture and dust.



AB-02323

- Do not drop any airbag component, store them under high temperature of 85°C (185°F) or more, or let water, oil or grease get on them; the internal parts may be damaged or the reliability may be greatly lowered.

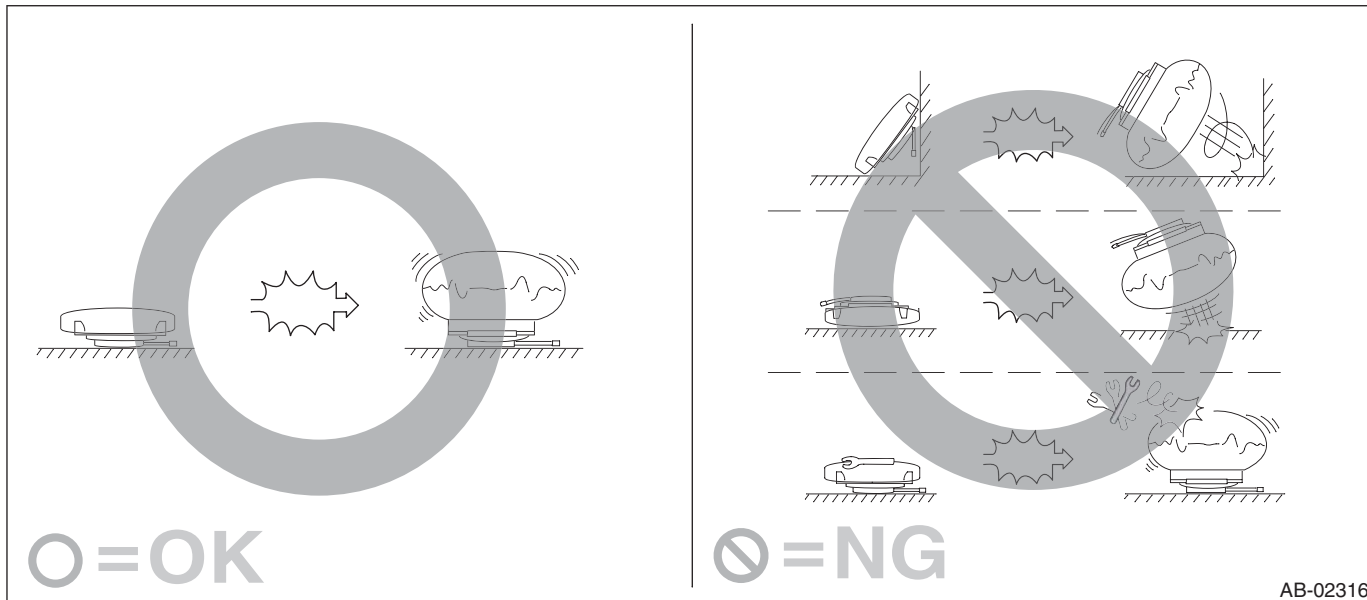


AB-02315

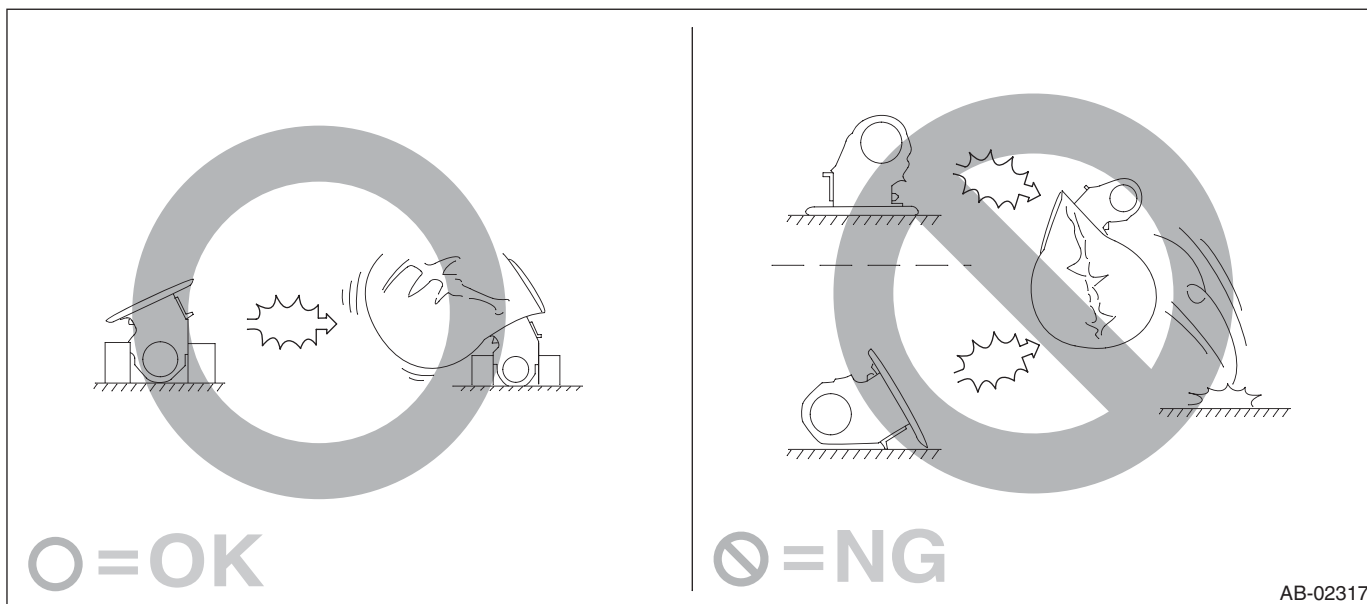
- When storing a removed airbag module, do not place it with the pad side of airbag facing downward. Do not place any objects on the airbag module. Do not pile up the airbag module. If the pad of the airbag module is in contact with other objects, it may cause a serious accident if the airbag accidentally operates.

# Airbag Operating Instructions

- Driver's airbag module

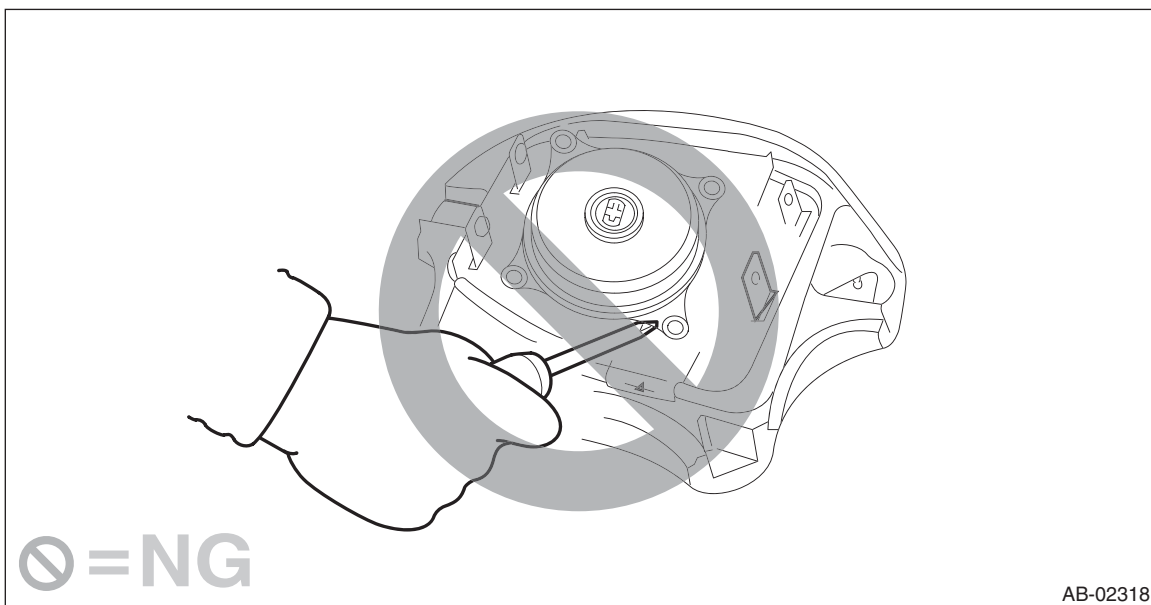


- Passenger's airbag module & side airbag module

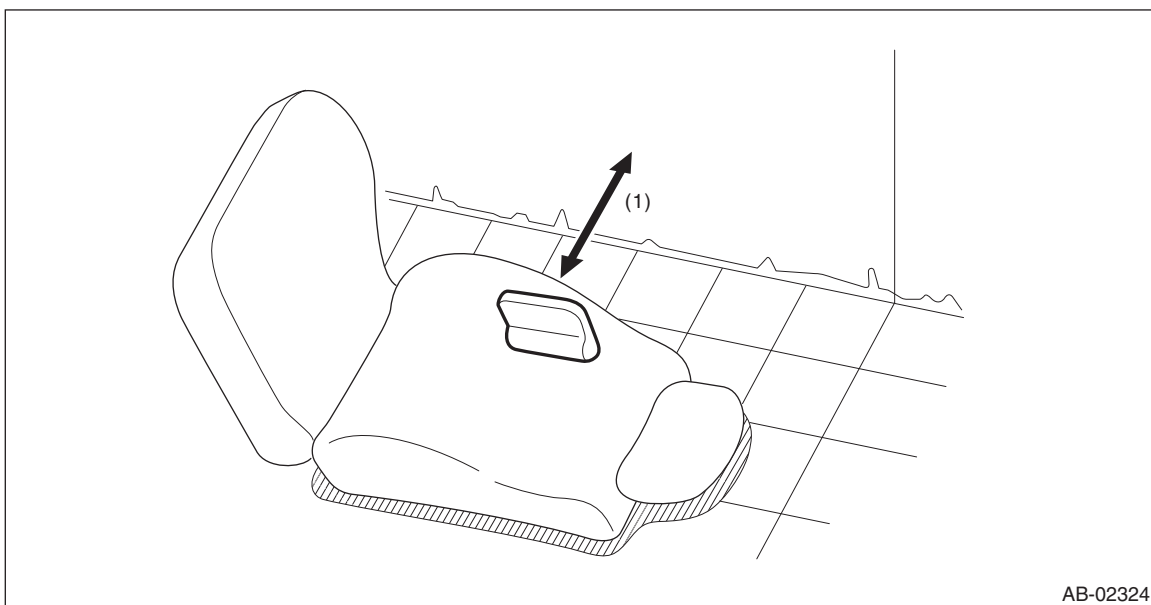


## Airbag Operating Instructions

- Do not disassemble driver's airbag module, passenger's airbag module, side or curtain airbag modules, or pretensioner.



- The removed front seat with airbag module must be kept at least 200 mm (8 in) away from walls and other objects.

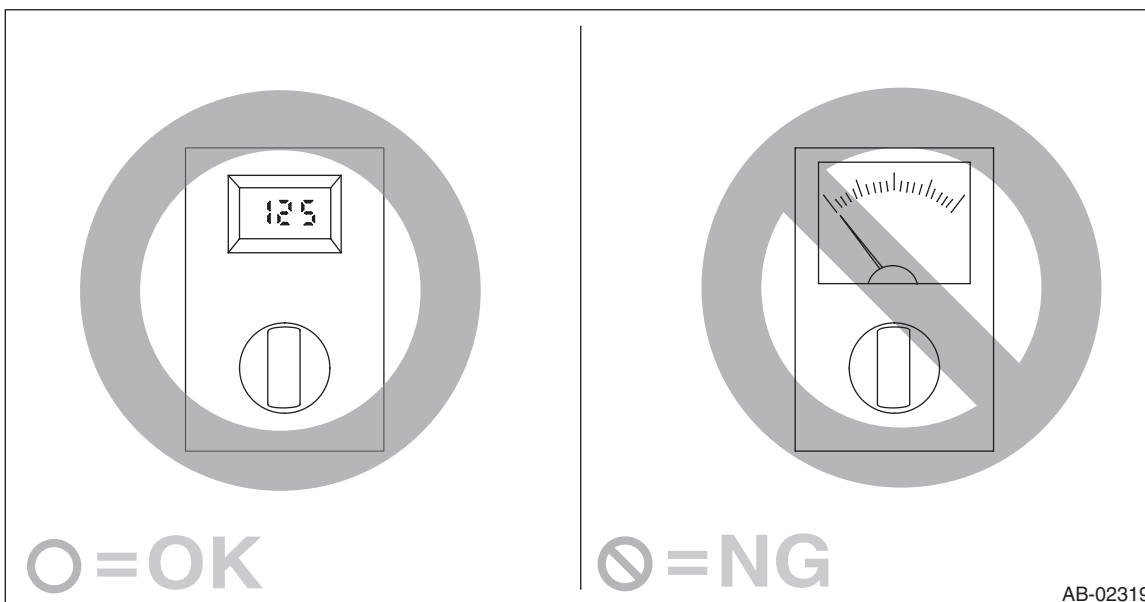


(1) 200 mm (8 in) or more

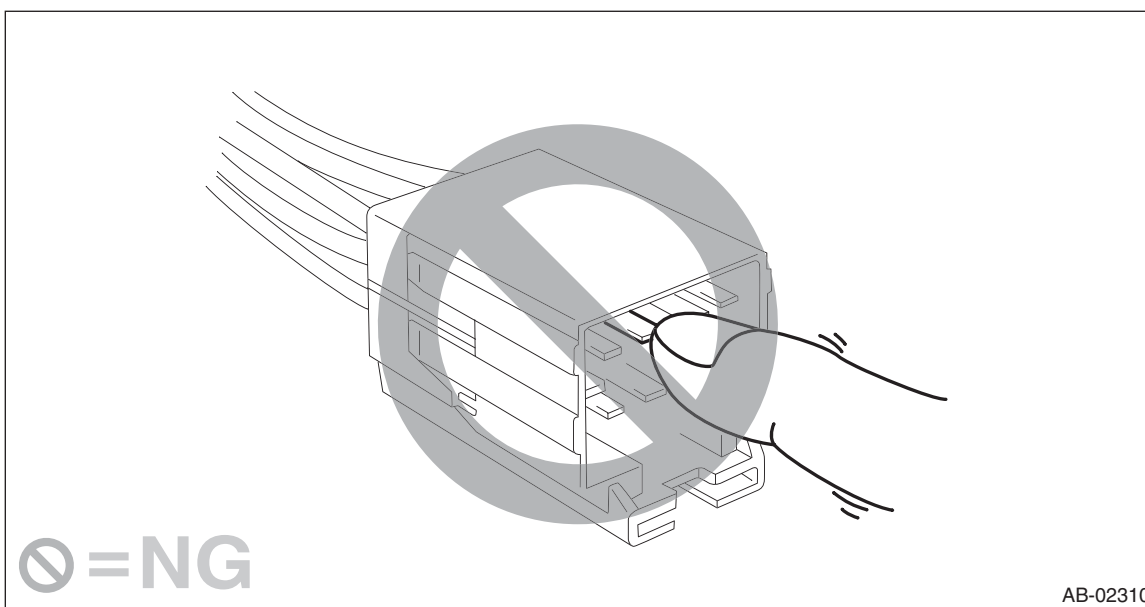
# Airbag Operating Instructions

## 3. BEFORE STARTING TROUBLESHOOTING

- Even if any part is to be replaced as the result of diagnosis, do not use airbag parts or pretensioner parts from other vehicles. Always replace the defective parts with new parts.
- When checking the airbag system, be sure to use a digital circuit tester. Use of an analog circuit tester may cause the airbag to activate erroneously due to a minimal current inside tester.

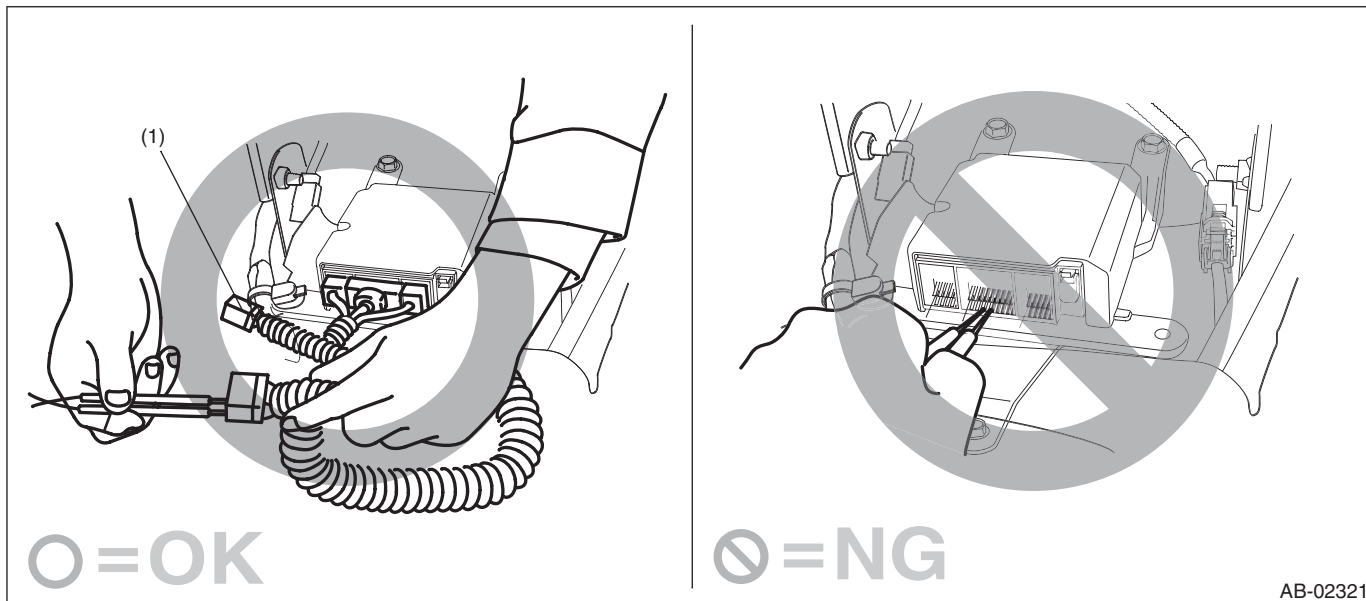


- Do not allow water or oil to come in contact with the connector terminals. Also, do not touch the connector terminals directly.

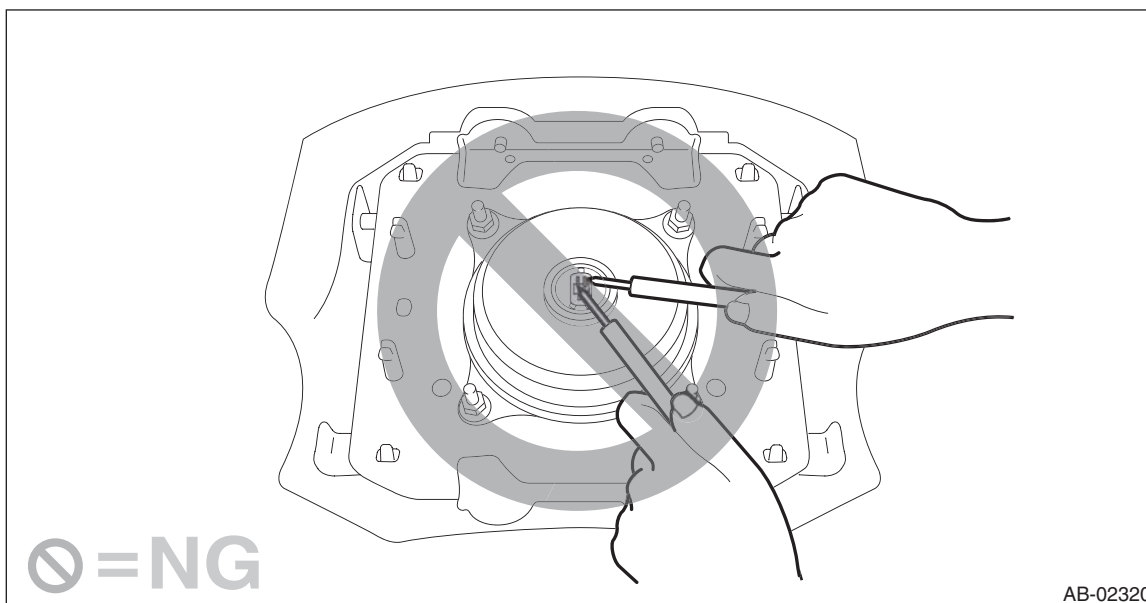


## Airbag Operating Instructions

- When checking, use a test harness (1). Damage to connector terminal cause malfunction. Do not directly apply the tester probe to connector terminal of airbag.

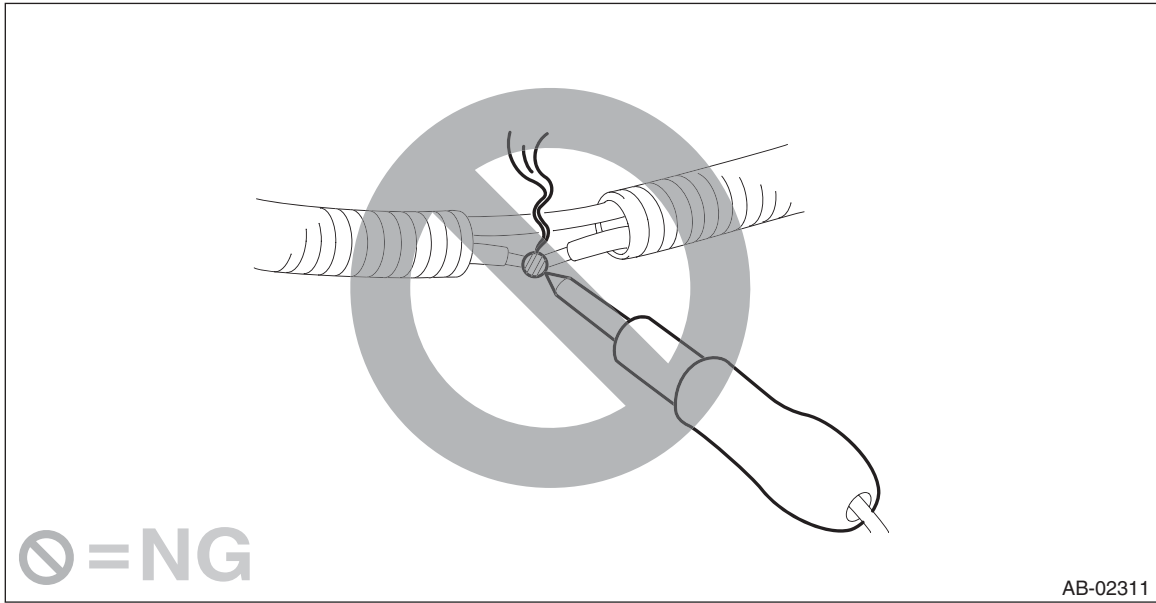


- Do not check continuity of the airbag modules for driver's side, passenger's side and curtain, or the pre-tensioner.



## Airbag Operating Instructions

- If damage, open circuit or rust is found on airbag system wiring harness, do not repair the harness. Always replace the faulty harness with a new genuine part.



## Jack/Lift Points

### 3. Jack/Lift Points

When using a lift or shop jack to raise a vehicle or using rigid rack to support a vehicle, always follow instructions concerning jack-up points and weight limits to prevent the vehicle from falling, which could result in injury. Be especially careful that the vehicle is balanced before raising it. Be sure to set the wheel stoppers when jacking-up only the front or rear side of the vehicle.

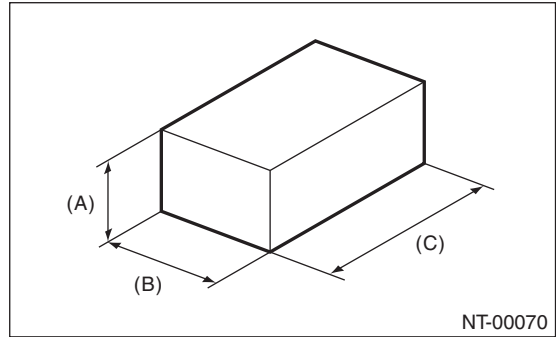
#### CAUTION:

**Select the lift attachment so that the side sill does not contact the lift arm portion.**

#### NOTE:

- When using a lift, follow its operation manual before work.
- If side sill cover touches the lift arm, use lift attachment.
- Do not work or leave unattended while the vehicle is supported with jack, support it with rigid racks.
- Be sure to use the rigid racks with rubber attached to cradle to support the vehicle.

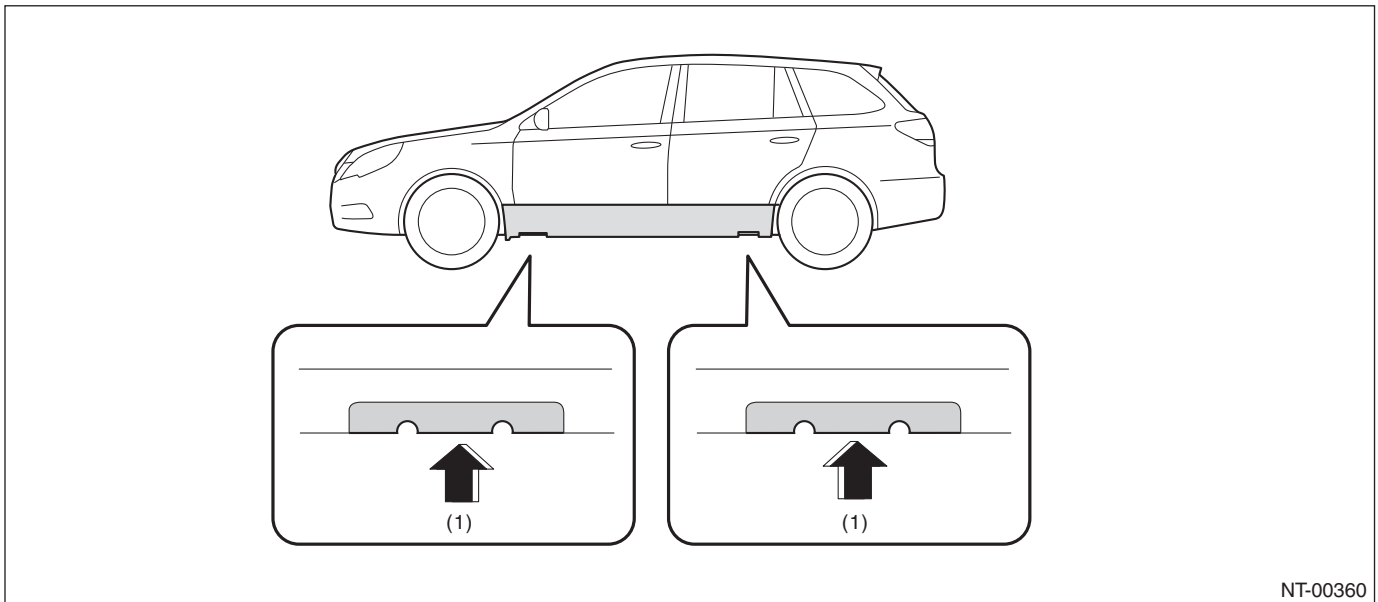
- When using a plate lift, use a rubber attachment. Place the attachment to the specified position of the vehicle, by adjusting front/rear and left/right sides accordingly.



- (A) 80 mm (3.1 in) or more
- (B) 100 — 150 mm (3.94 — 5.91 in)
- (C) 120 — 190 mm (4.72 — 7.48 in)

- Align the cushion rubber center of plate lift with the center of rubber attachment.
- Do not use the plate lift whose attachment does not reach the supporting locations.

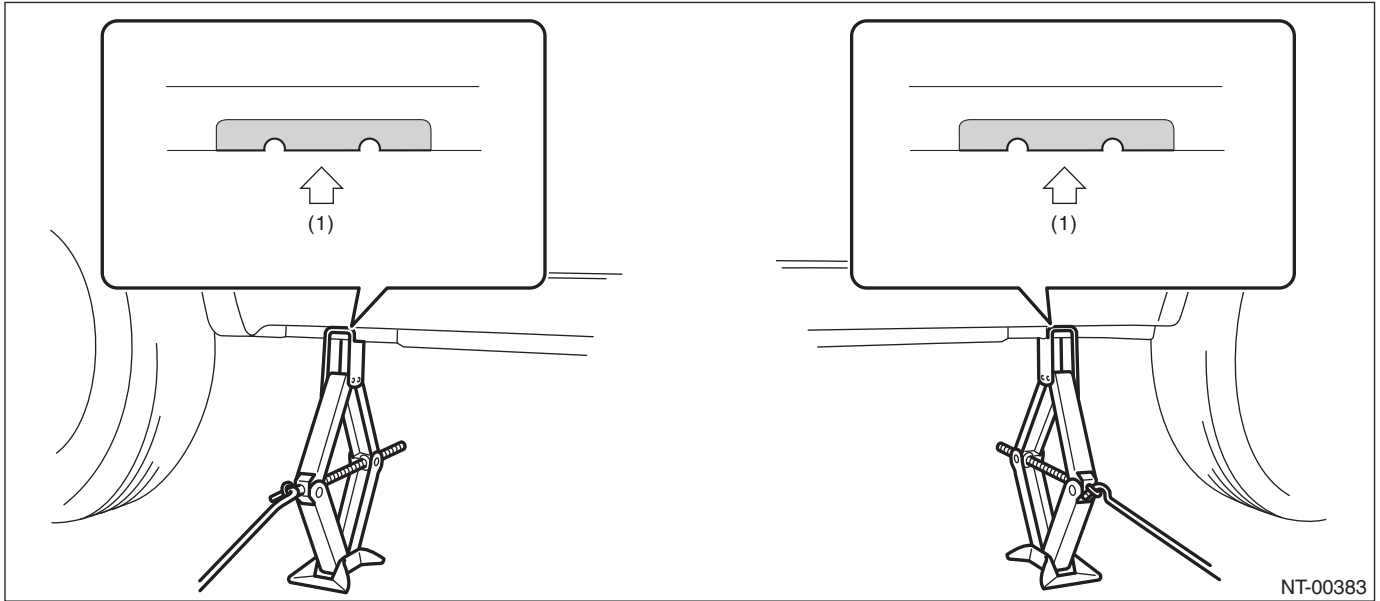
#### • SUPPORT LOCATIONS



(1) Jack-up point

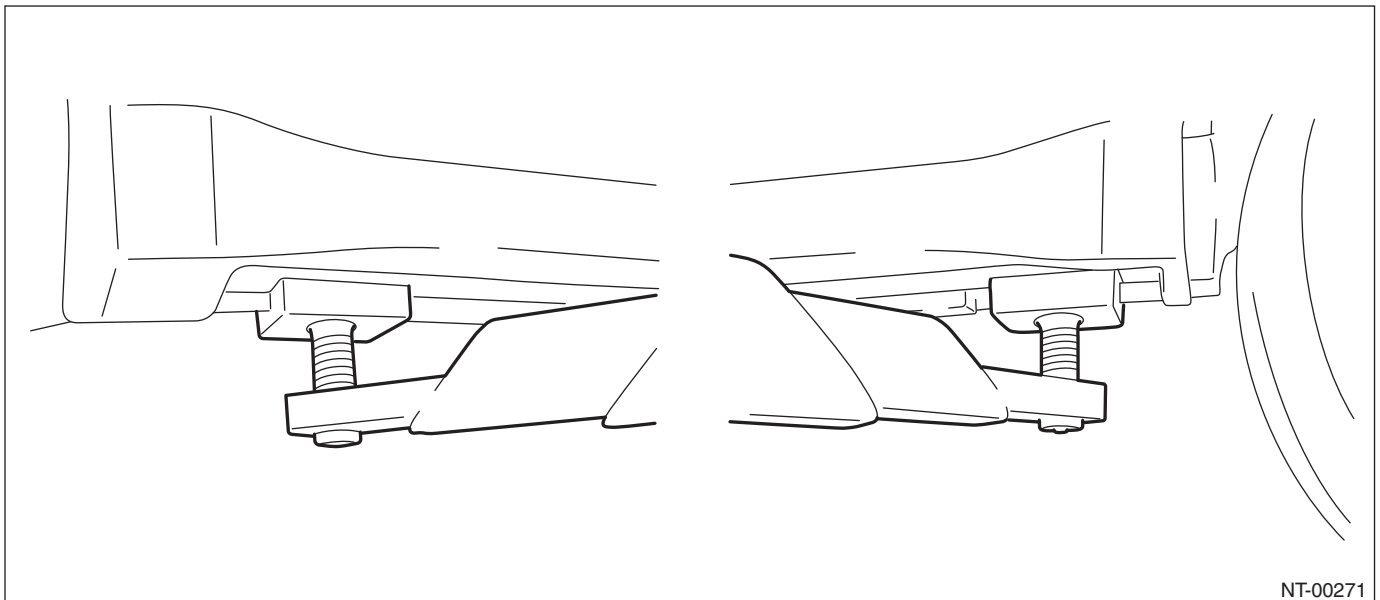
## Jack/Lift Points

- PANTOGRAPH JACK



(1) Jack-up point

- Lift

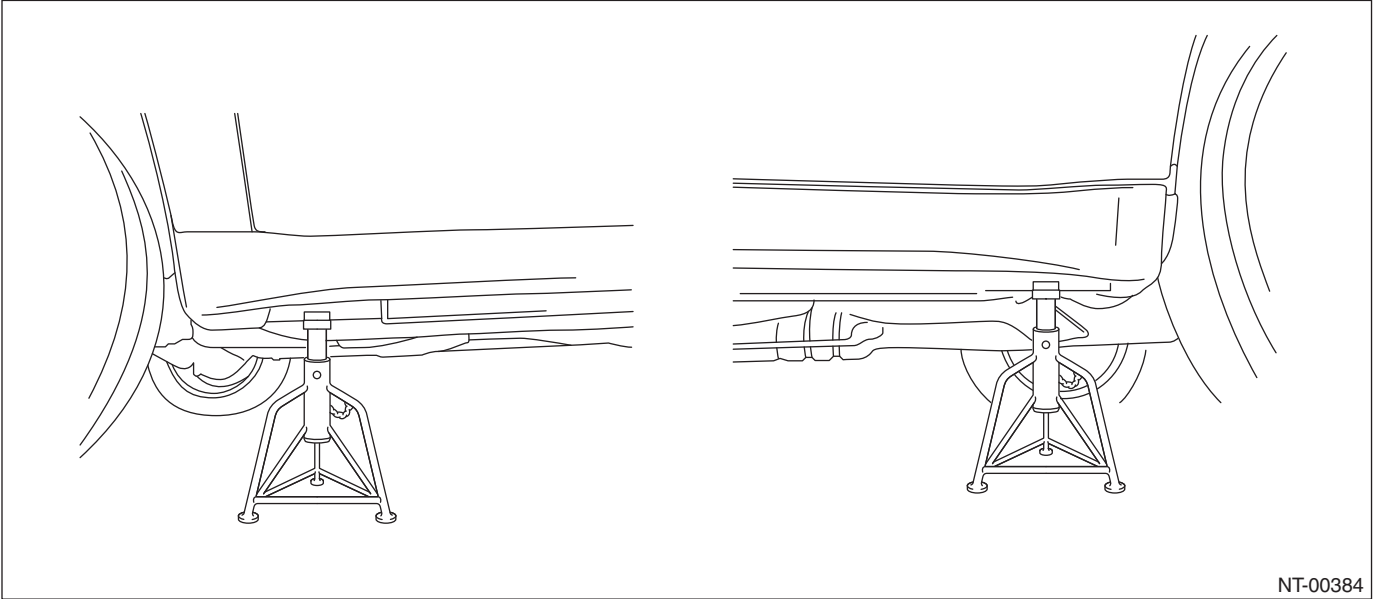


**CAUTION:**

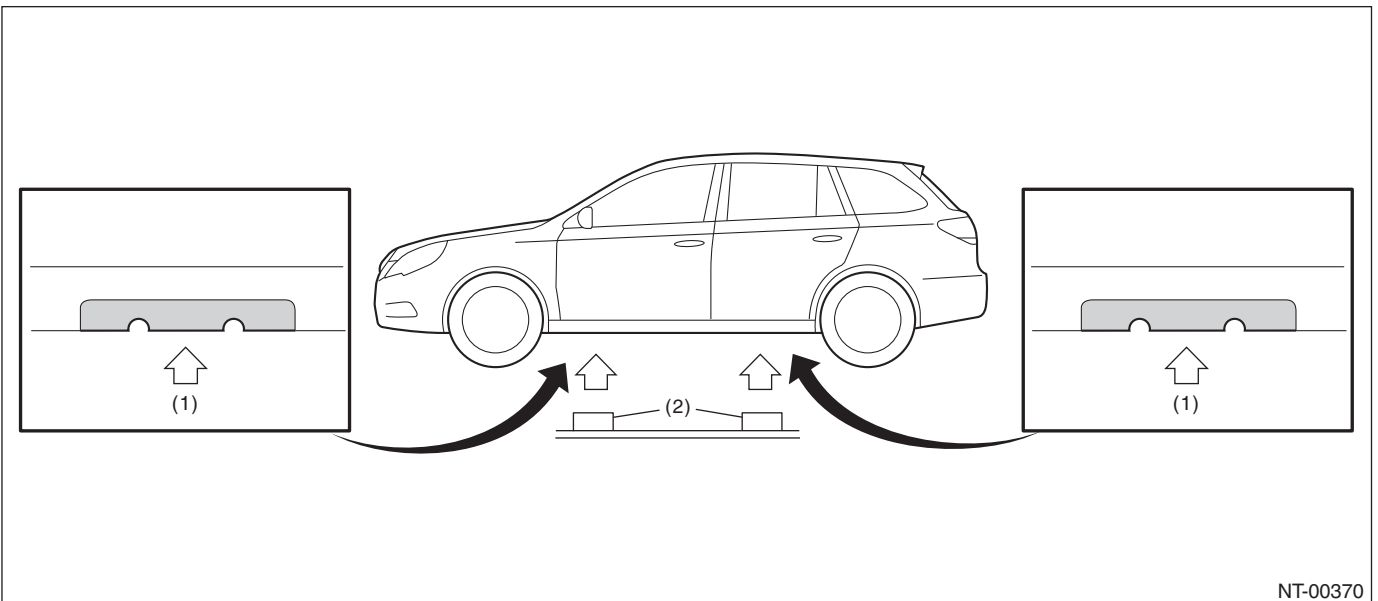
For models with side under skirt, use a spacer or an attachment to lift up the vehicle securely at jack up point, without contact of side under skirt and lift.

## Jack/Lift Points

- **RIGID RACK**



- **PLATE LIFT**

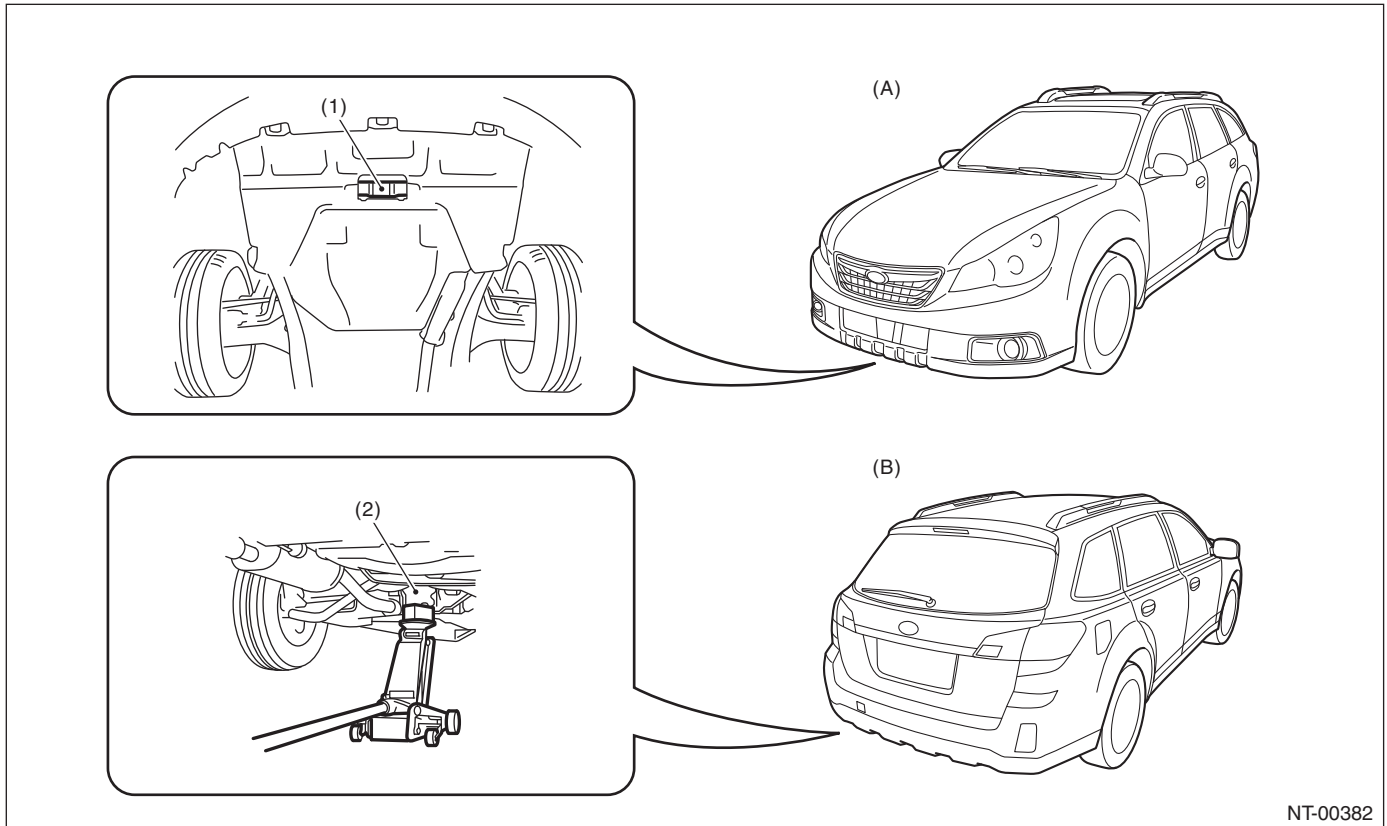


(1) Jack-up point

(2) Attachment

## Jack/Lift Points

- Jack-up point (when using garage jack)



NT-00382

(A) Front

(B) Rear

(1) Front cradle

(2) Rear differential

### CAUTION:

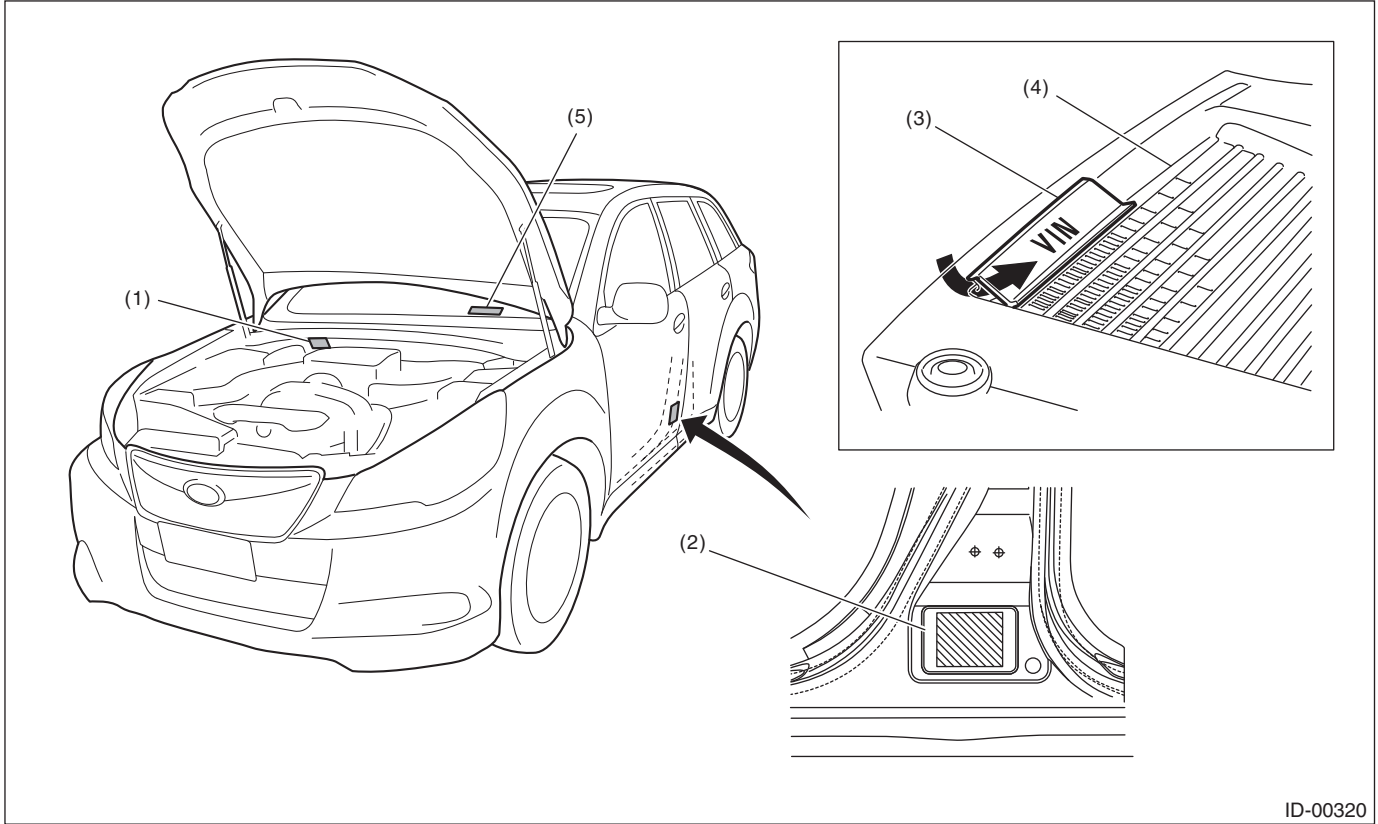
If jacking up the front side of the vehicle, make sure that the jack is attached at the center of the jack-up plate not at the sides.

## 4. Vehicle Identification

### A: IDENTIFICATION

#### 1. IDENTIFICATION NUMBER & LABEL LOCATIONS

- POSITIONING OF THE PLATE LABEL FOR IDENTIFICATION



ID-00320

- |                                                                                                                                  |                               |               |
|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------|
| (1) Vehicle identification number (V.I.N.)                                                                                       | (3) VIN cover (turbo model)   | (5) VIN plate |
| (2) FMVSS label (U.S. model) (left side)<br>CMVSS label (Canada model) (left side)<br>Model No. label (Korea model) (right side) | (4) Intercooler (turbo model) |               |

## Vehicle Identification

### 2. V.I.N.

**J4S3BMAA6XA1210001[**

The starting and ending brackets ( [ ] ) are stop marks.

| Digits  | Code   | Meaning                        | Details                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------|--------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 — 3   | 4S3    | Manufacturer of body area      | 4S3: All models except OUTBACK model for C0<br>4S4: OUTBACK for C0                                                                                                                                                                                                                                                                                                                                                 |
| 4       | B      | Car line                       | B: LEGACY/OUTBACK                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5       | M      | Body type                      | M: Sedan<br>R: Wagon                                                                                                                                                                                                                                                                                                                                                                                               |
| 6       | A      | Total emission and destination | A: 2.5L non-turbo for U4<br>B: 2.5L non-turbo for U5<br>C: 2.5L non-turbo for U6<br>D: 3.6L non-turbo for U5<br>E: 3.6L non-turbo for U6<br>F: 2.5L turbo for U4<br>G: 2.5L non-turbo for C0<br>H: 2.5L non-turbo for C5<br>J: 3.6L non-turbo for C0<br>K: 2.5L turbo for C0<br>L: 2.5L non-turbo for C6<br>M: 3.6L non-turbo for C6                                                                               |
| 7       | A      | Grade                          | A: Base<br>B: Premium<br>C: Premium + cold weather package<br>D: Premium + 6CD harman/kardon<br>E: Premium + M/R<br>F: Premium + 6CD harman/kardon + cold weather package<br>G: Premium + M/R + cold weather package<br>H: Premium + M/R + cold weather package + 6CD harman/kardon<br>J: Limited + 6CD harman/kardon<br>K: Limited + 6CD harman/kardon + M/R<br>L: Limited + M/R + navigation<br>M: Limited + M/R |
| 8       | 6      | Restraint system or GVWR Class | 6: Manual belt, dual airbag, side airbag for seat back + curtain airbag for roof (except for OUTBACK model)<br>C: Manual belt, dual airbag, side airbag for seat back + curtain airbag for roof, class C (GVWR 4001 — 5000 lb) (for OUTBACK model)                                                                                                                                                                 |
| 9       | X      | Check digit                    | 0 — 9&X                                                                                                                                                                                                                                                                                                                                                                                                            |
| 10      | A      | Model year                     | A: 2010MY                                                                                                                                                                                                                                                                                                                                                                                                          |
| 11      | 1      | Transmission type              | 1: Full-time AWD 6MT<br>2: Full-time AWD 5AT<br>3: Full-time AWD CVT                                                                                                                                                                                                                                                                                                                                               |
| 12 — 17 | 210001 | Serial number                  | 210001 — : Sedan<br>310001 — : Wagon                                                                                                                                                                                                                                                                                                                                                                               |

## Vehicle Identification

### 3. MODEL NUMBER PLATE

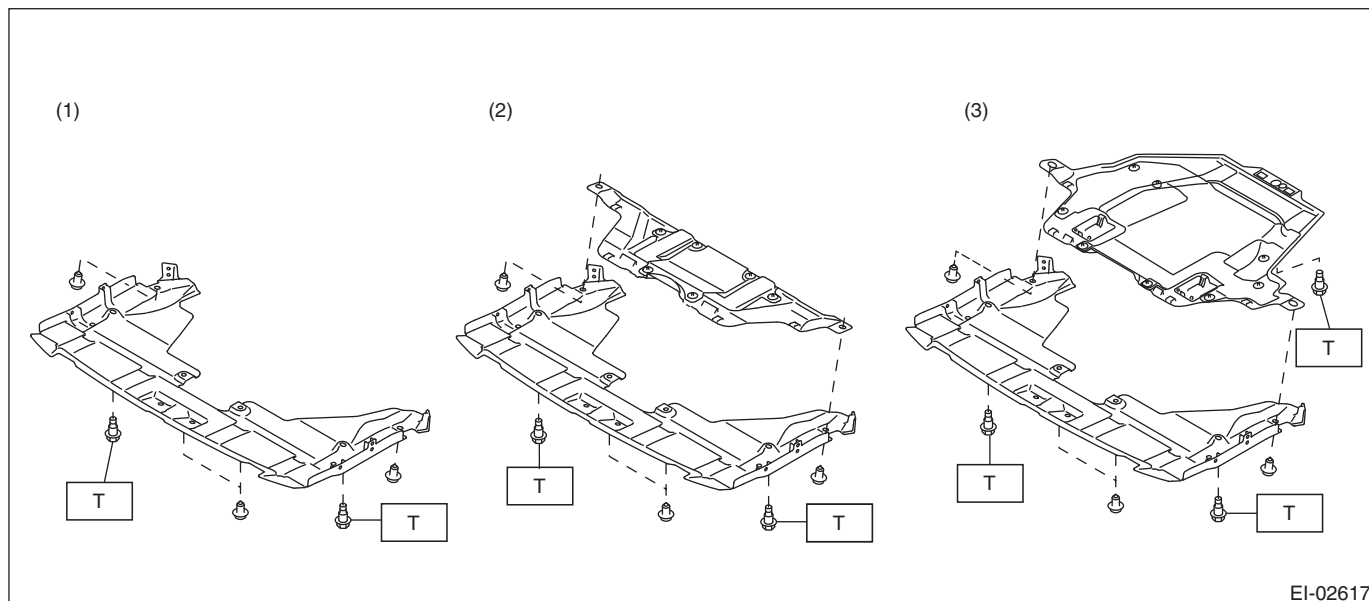
• **BM9AY4M**

| Digits | Code | Meaning                                                        | Details                                                                                                                                                                                                                                     |
|--------|------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | B    | Series                                                         | LEGACY                                                                                                                                                                                                                                      |
| 2      | M    | Body type                                                      | M: Sedan<br>R: Wagon                                                                                                                                                                                                                        |
| 3      | 9    | Total engine displacement<br>Drive system<br>Suspension system | 9: 2.5L AWD<br>F: 3.6L AWD                                                                                                                                                                                                                  |
| 4      | A    | Model year                                                     | A: 2010MY                                                                                                                                                                                                                                   |
| 5      | Y    | Destination                                                    | Y: US, Canada                                                                                                                                                                                                                               |
| 6      | 4    | Grade                                                          | 4 : 2.5i<br>5: 2.5i Premium<br>6: 2.5i Limited<br>C: 2.5GT Premium<br>D: 2.5GT Limited<br>F: 3.6R<br>H: 3.6R Limited<br>K: OUTBACK 2.5i<br>L: OUTBACK 2.5i Premium<br>M: OUTBACK 2.5i Limited<br>S: OUTBACK 3.6R<br>U: OUTBACK 3.6R Limited |
| 7      | M    | Transmission, fuel feed system                                 | 9: SOHC MFI CVT<br>M: SOHC MFI 6MT<br>U: DOHC MFI 5AT<br>X: DOHC MFI turbo 6MT                                                                                                                                                              |

## Assembly of Exterior Parts

### 5. Assembly of Exterior Parts

#### 1. FRONT UNDER COVER

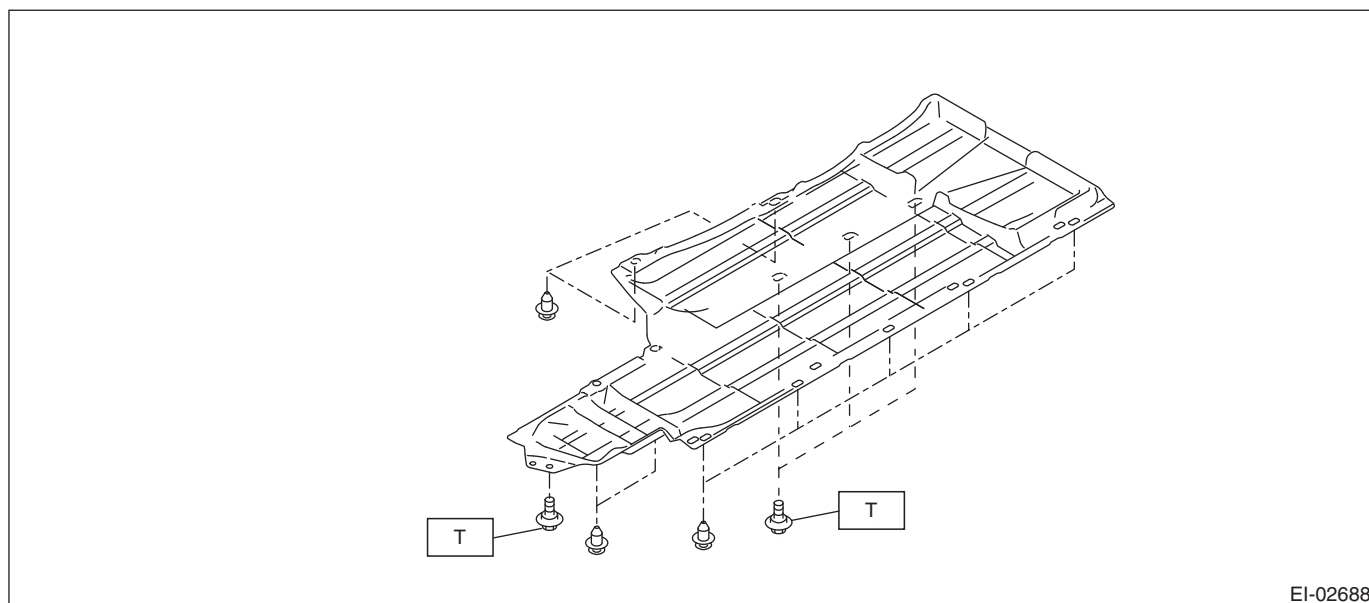


- (1) Small type  
(2) Medium type

- (3) Large type

**Tightening torque: N·m (kgf-m, ft-lb)**  
**T: 17.5 (1.78, 12.9)**

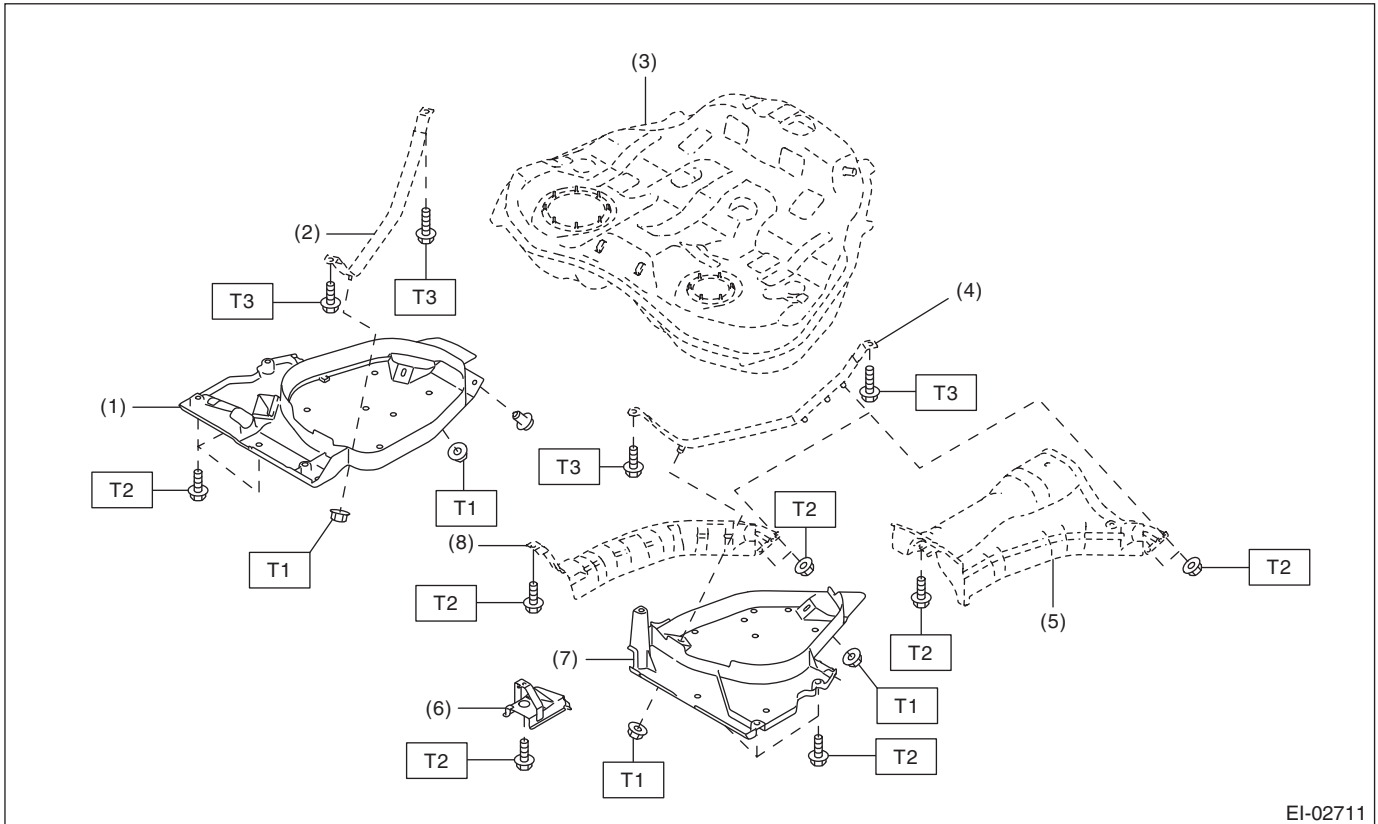
#### 2. FLOOR UNDER PROTECTOR



**Tightening torque: N·m (kgf-m, ft-lb)**  
**T: 7.5 (0.76, 5.5)**

## Assembly of Exterior Parts

### 3. FUEL TANK PROTECTOR



- |                            |                                                |
|----------------------------|------------------------------------------------|
| (1) Fuel tank protector RH | (5) Center heat shield cover (turbo model)     |
| (2) Fuel tank band ASSY RH | (6) Fuel tank bracket                          |
| (3) Fuel tank ASSY         | (7) Fuel tank protector LH                     |
| (4) Fuel tank band ASSY LH | (8) Center heat shield cover (non-turbo model) |

**Tightening torque: N·m (kgf-m, ft-lb)**

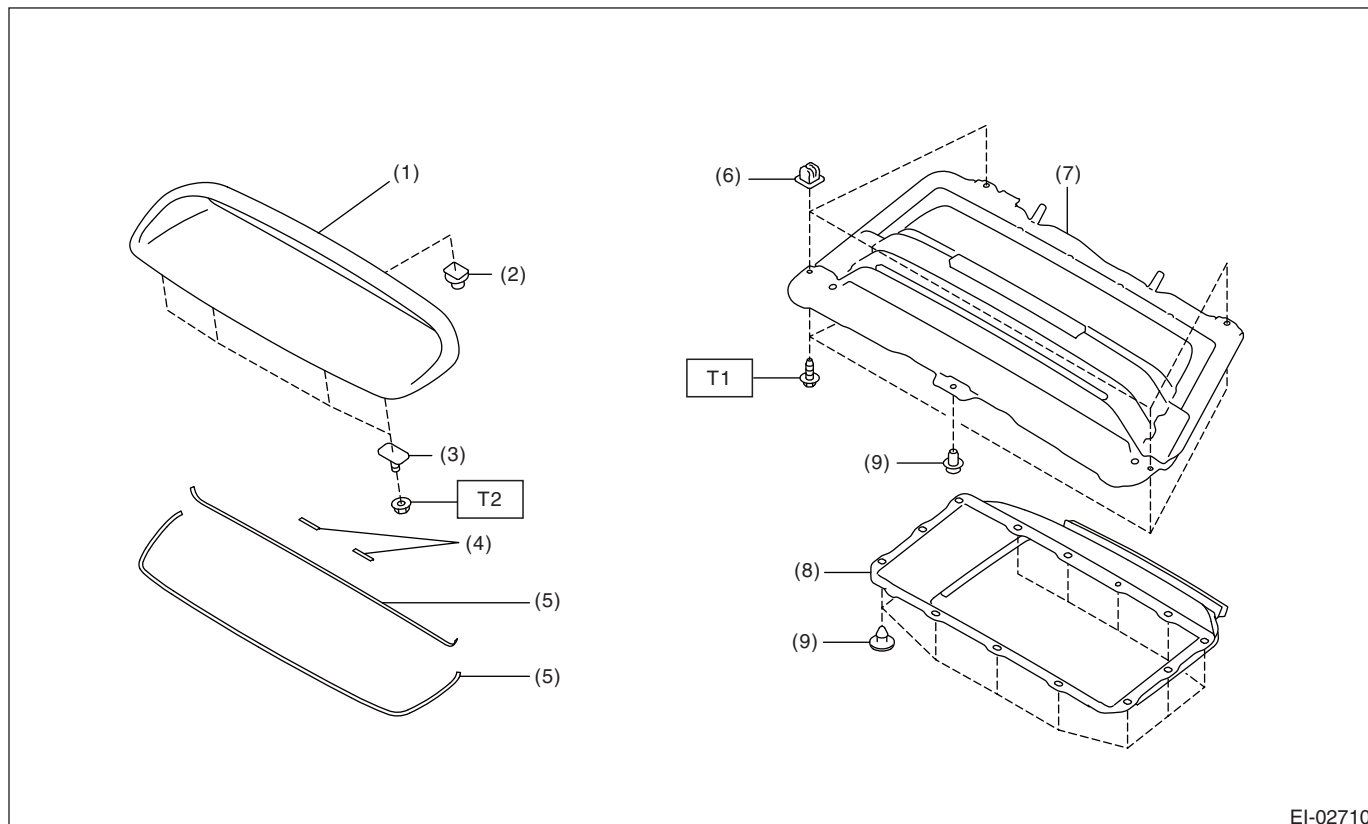
**T1: 9 (0.92, 6.6)**

**T2: 18 (1.84, 13.3)**

**T3: 33 (3.36, 24.3)**

## Assembly of Exterior Parts

### 4. FRONT HOOD GRILLE



EI-02710

- (1) Front hood grille
- (2) Clip anchor
- (3) Bolt
- (4) Protector
- (5) Gasket

- (6) Grommet
- (7) Hood duct
- (8) Hood duct inner
- (9) Clip

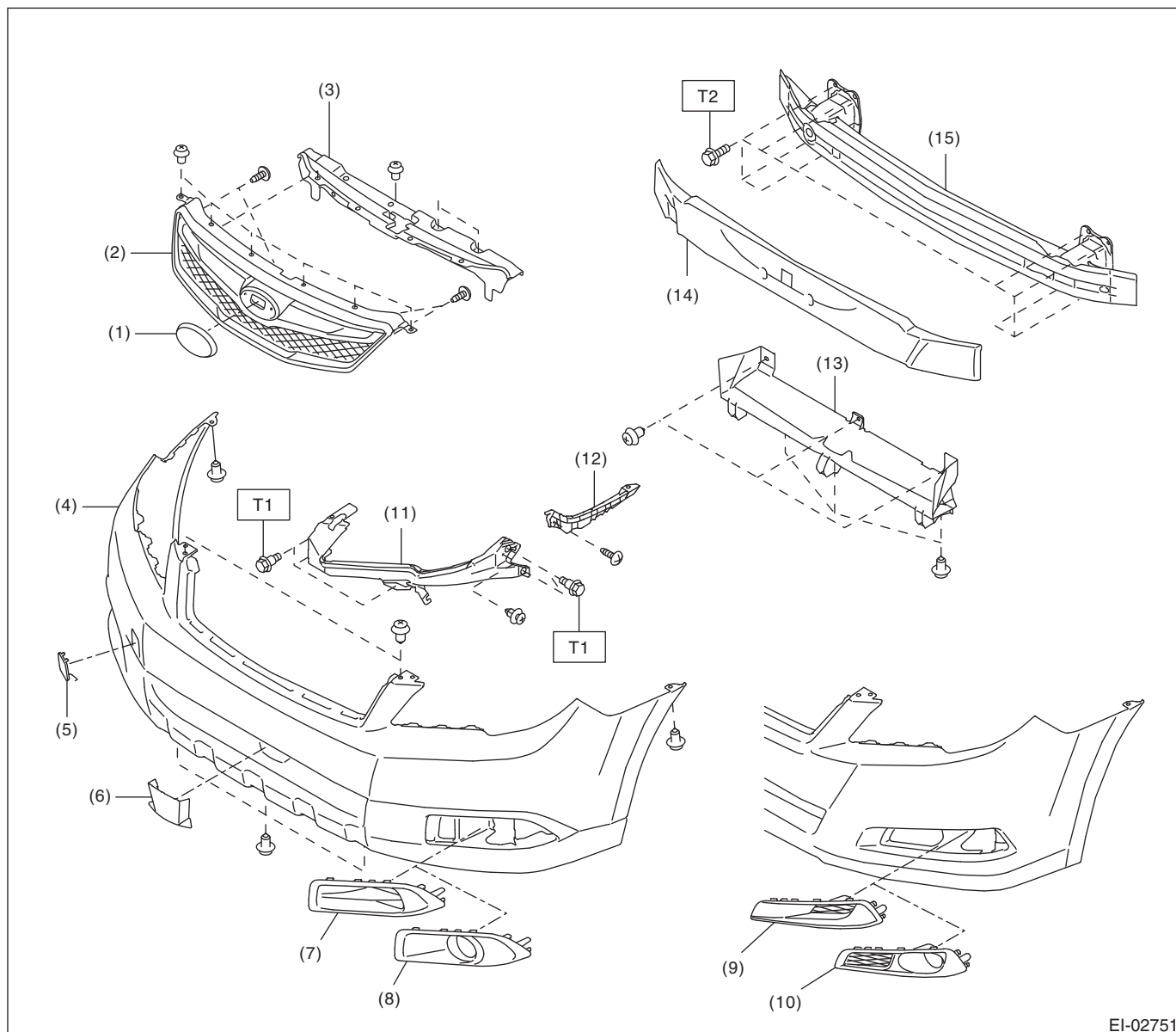
**Tightening torque: N·m (kgf-m, ft-lb)**

**T1: 1.0 (0.1, 0.7)**

**T2: 4.5 (0.46, 3.3)**

# Assembly of Exterior Parts

## 5. FRONT BUMPER



EI-02751

- |                                  |                                     |                       |
|----------------------------------|-------------------------------------|-----------------------|
| (1) Floor ornament               | (8) Fog light cover (OUTBACK model) | (15) Beam COMPL front |
| (2) Front grille ASSY            | (9) Bumper cover (Sedan model)      |                       |
| (3) Grille bracket               | (10) Fog light cover (Sedan model)  |                       |
| (4) Front bumper face            | (11) Bracket corner front           |                       |
| (5) Front hook cover             | (12) Bracket side front UPR         |                       |
| (6) Bumper cover CTR             | (13) Bracket center LWR front       |                       |
| (7) Bumper cover (OUTBACK model) | (14) E/A foam front                 |                       |

**Tightening torque: N·m (kgf-m, ft-lb)**

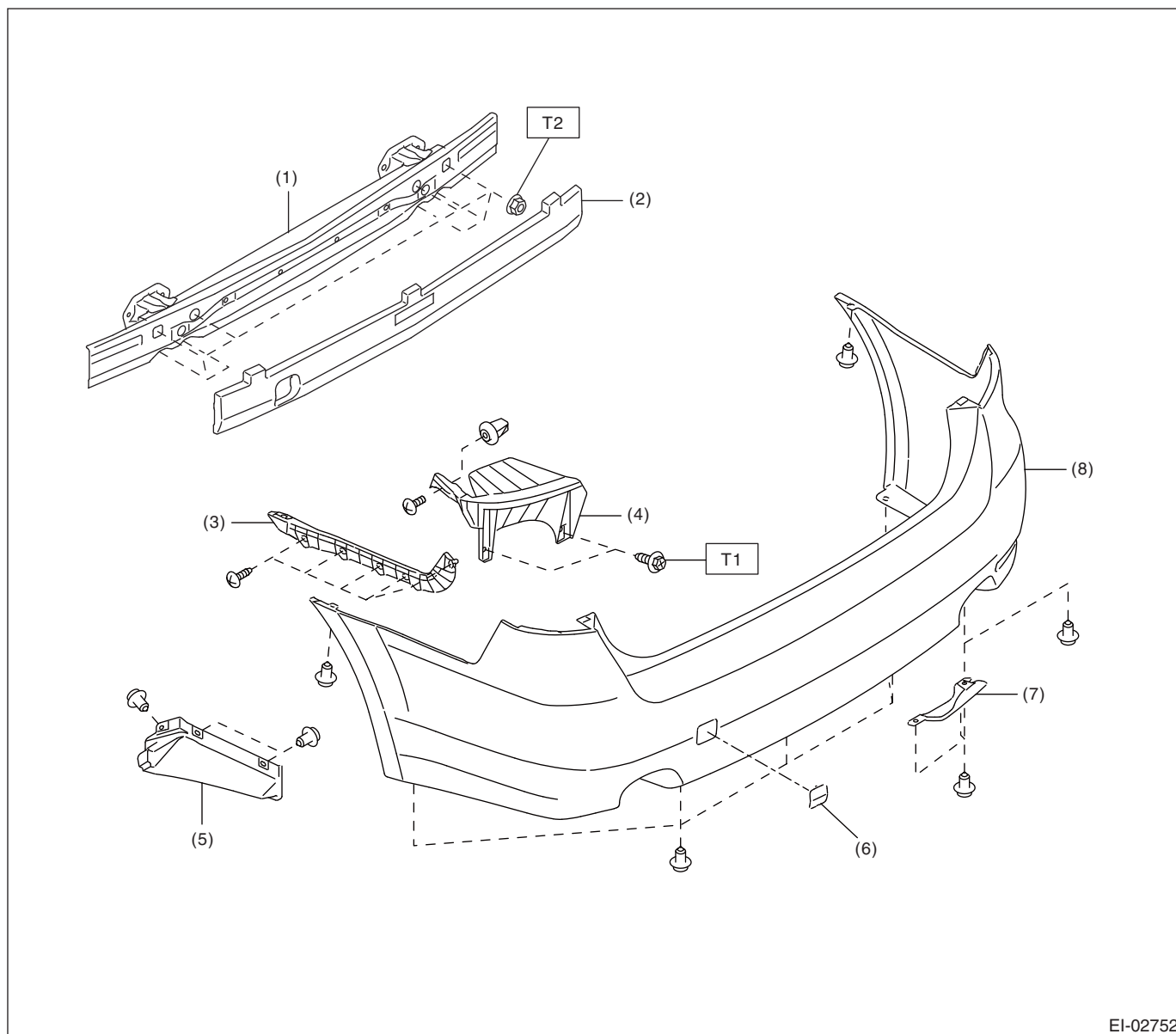
**T1: 7.5 (0.76, 5.5)**

**T2: 32 (3.26, 23.6)**

## Assembly of Exterior Parts

### 6. REAR BUMPER

- Sedan model



EI-02752

- |                           |                           |
|---------------------------|---------------------------|
| (1) Beam COMPL rear       | (5) Bracket side rear LWR |
| (2) E/A foam rear         | (6) Rear hook cover       |
| (3) Bracket side rear UPR | (7) Bumper cover rear     |
| (4) Bracket corner rear   | (8) Rear bumper face      |

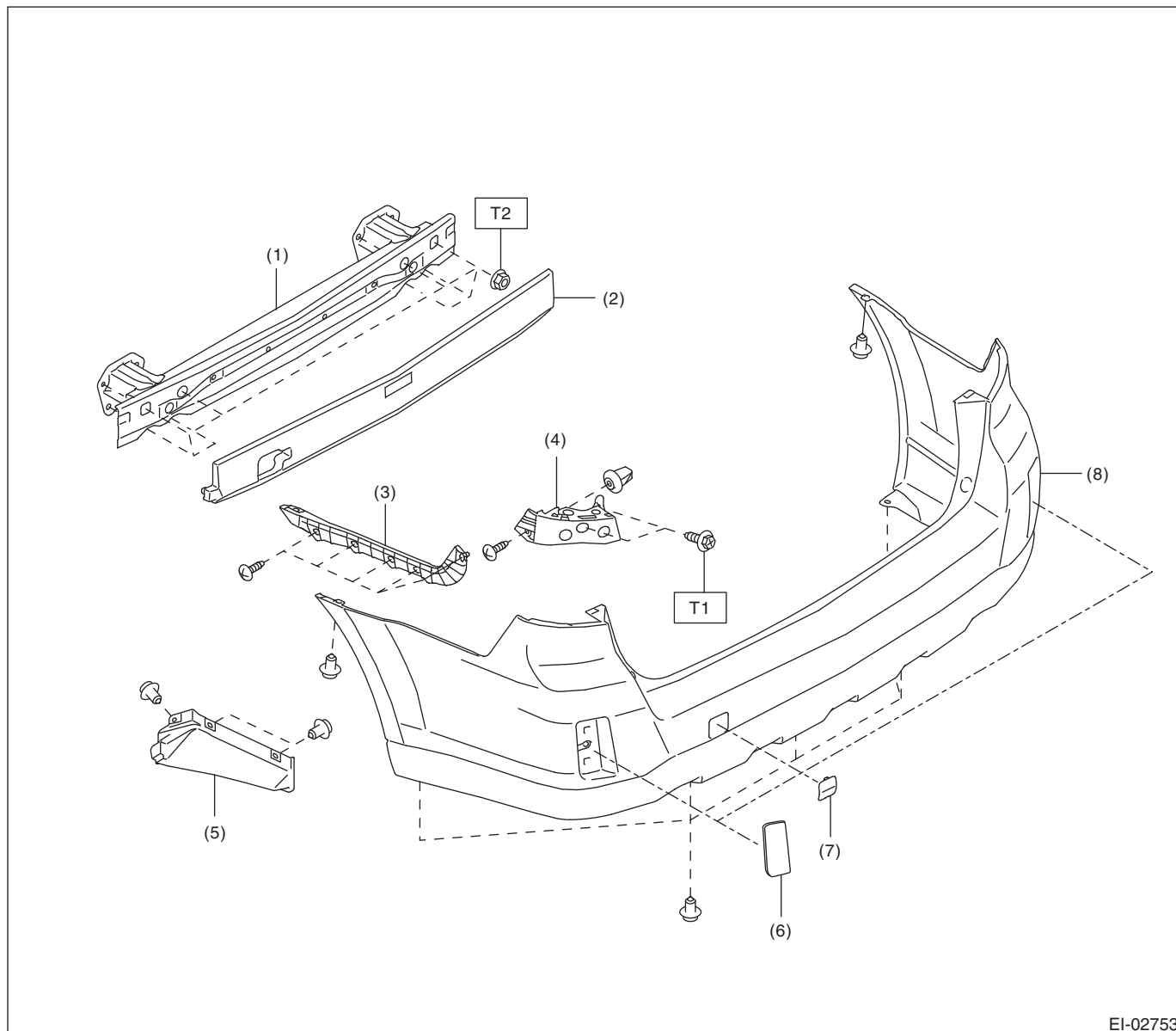
**Tightening torque: N·m (kgf-m, ft-lb)**

**T1: 7.5 (0.76, 5.5)**

**T2: 45 (4.6, 33.2)**

## Assembly of Exterior Parts

- OUTBACK model



EI-02753

- |                           |                           |
|---------------------------|---------------------------|
| (1) Beam COMPL rear       | (5) Bracket side rear LWR |
| (2) E/A foam rear         | (6) Rear hook cover       |
| (3) Bracket side rear UPR | (7) Reflex reflector      |
| (4) Bracket corner rear   | (8) Rear bumper face      |

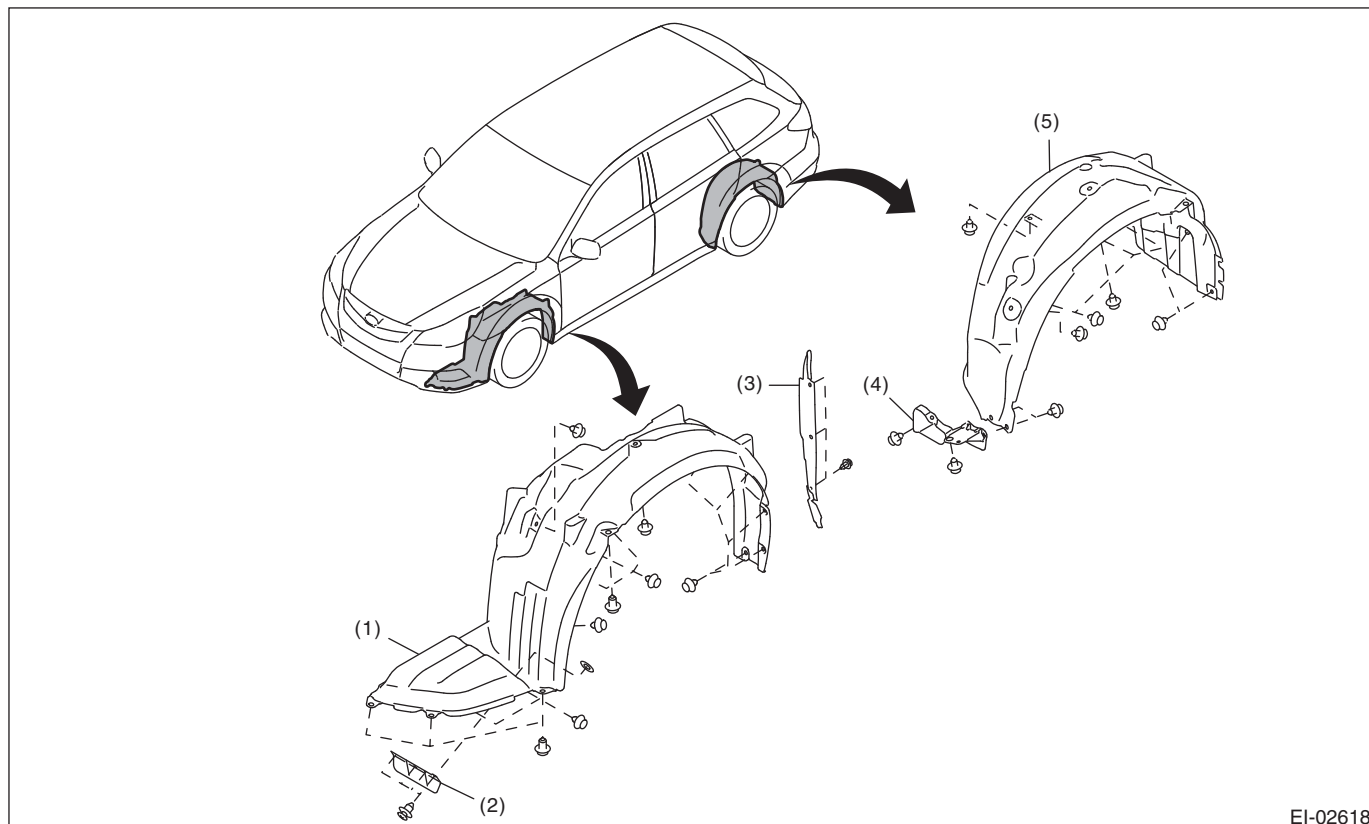
**Tightening torque: N·m (kgf-m, ft-lb)**

**T1: 7.5 (0.76, 5.5)**

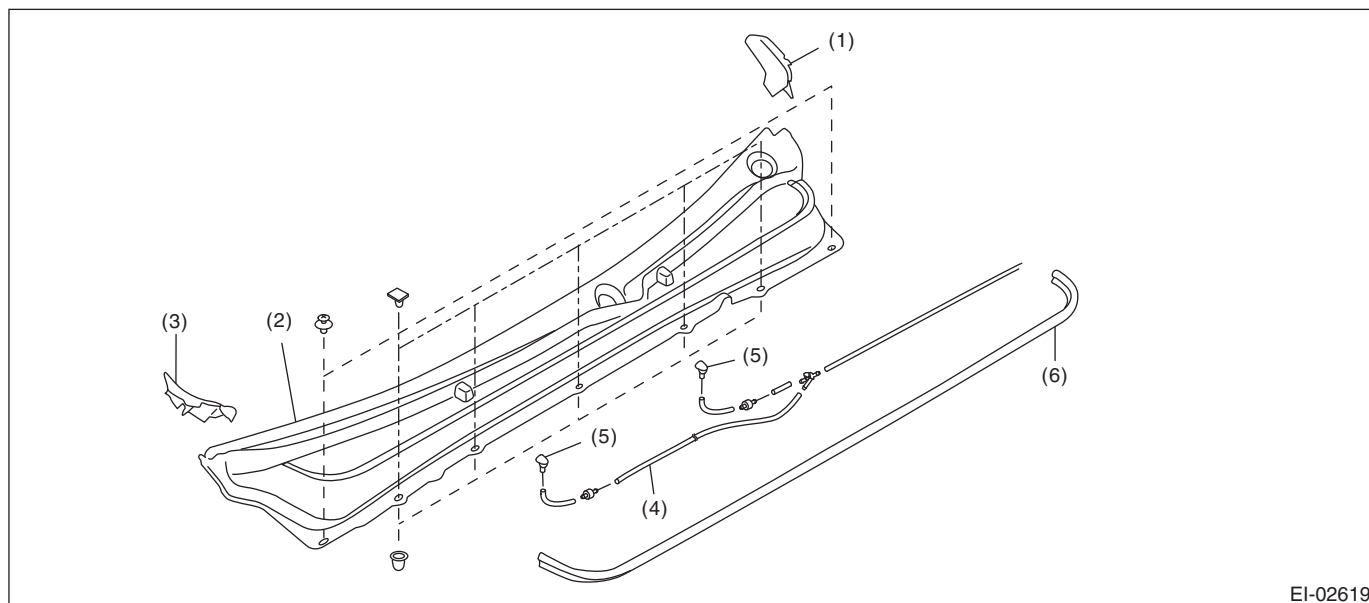
**T2: 45 (4.6, 33.2)**

## Assembly of Exterior Parts

### 7. MUD GUARD

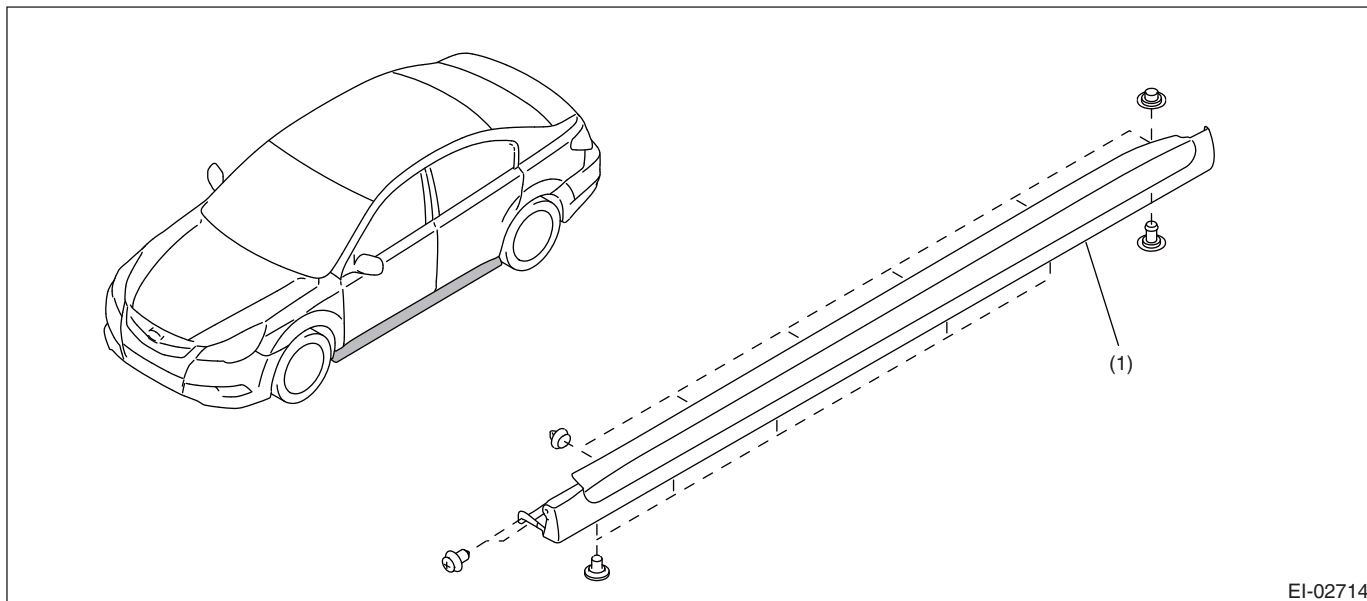


### 8. COWL PANEL

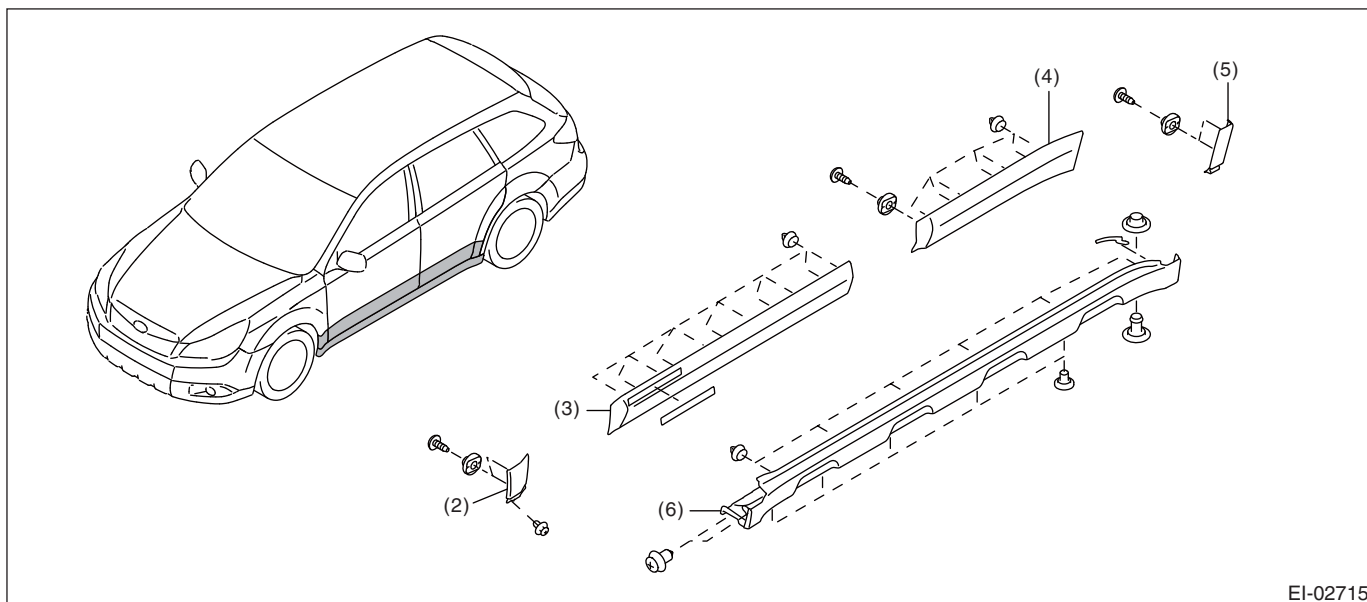


## Assembly of Exterior Parts

### 9. SIDE SILL SPOILER



EI-02714

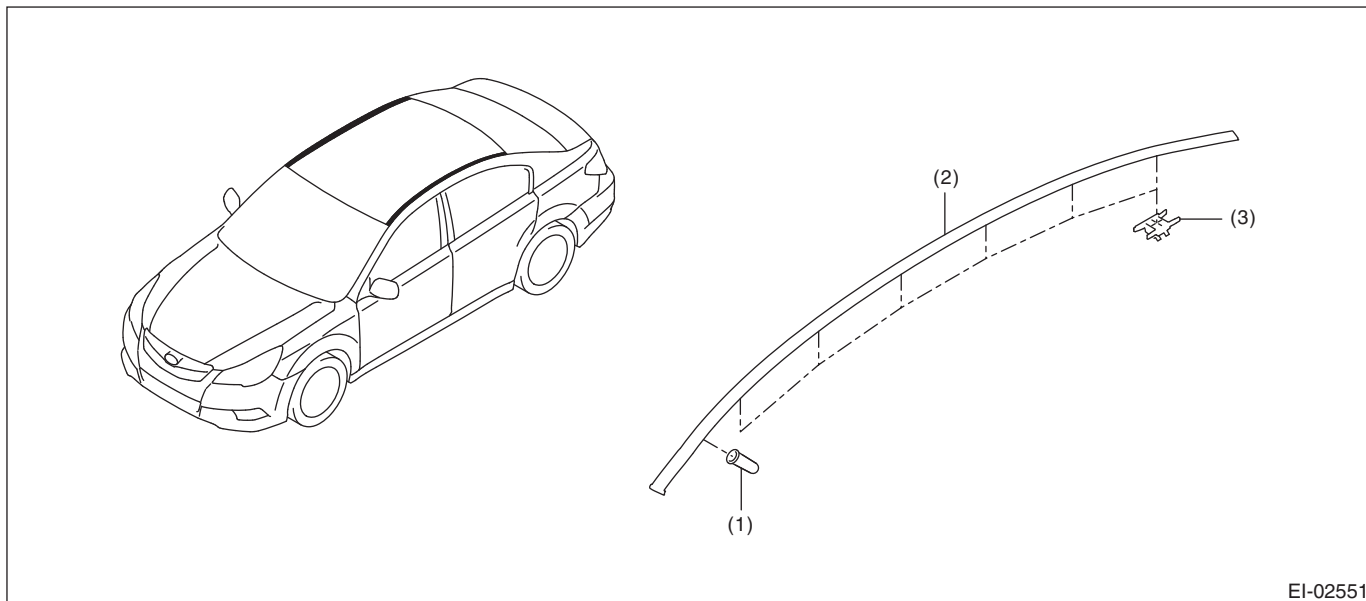


EI-02715

- |                                                |                                              |                                                |
|------------------------------------------------|----------------------------------------------|------------------------------------------------|
| (1) Side sill garnish ASSY (Sedan model)       | (3) Garnish ASSY front door (OUT-BACK model) | (5) Garnish ASSY rear quarter (OUT-BACK model) |
| (2) Garnish ASSY front fender (OUT-BACK model) | (4) Garnish ASSY rear door (OUT-BACK model)  | (6) Side sill garnish ASSY (OUT-BACK model)    |

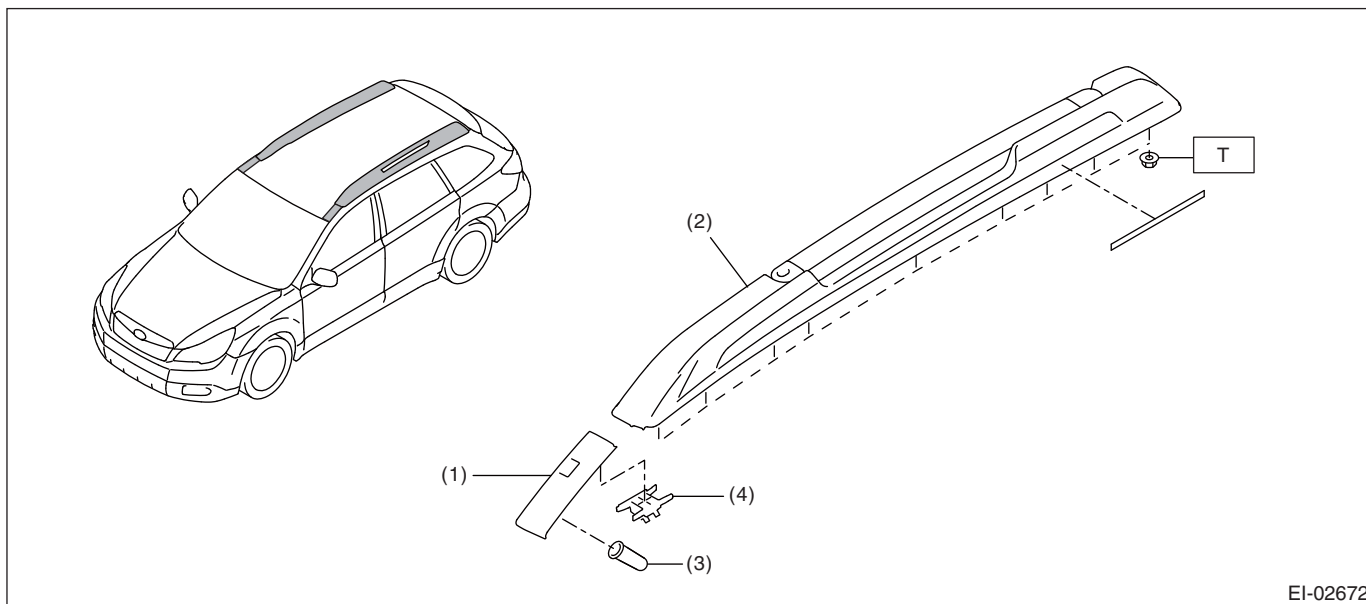
## Assembly of Exterior Parts

### 10. ROOF MOLDING



- (1) Rivet  
(2) Roof molding  
(3) Clip

### 11. ROOF RAIL

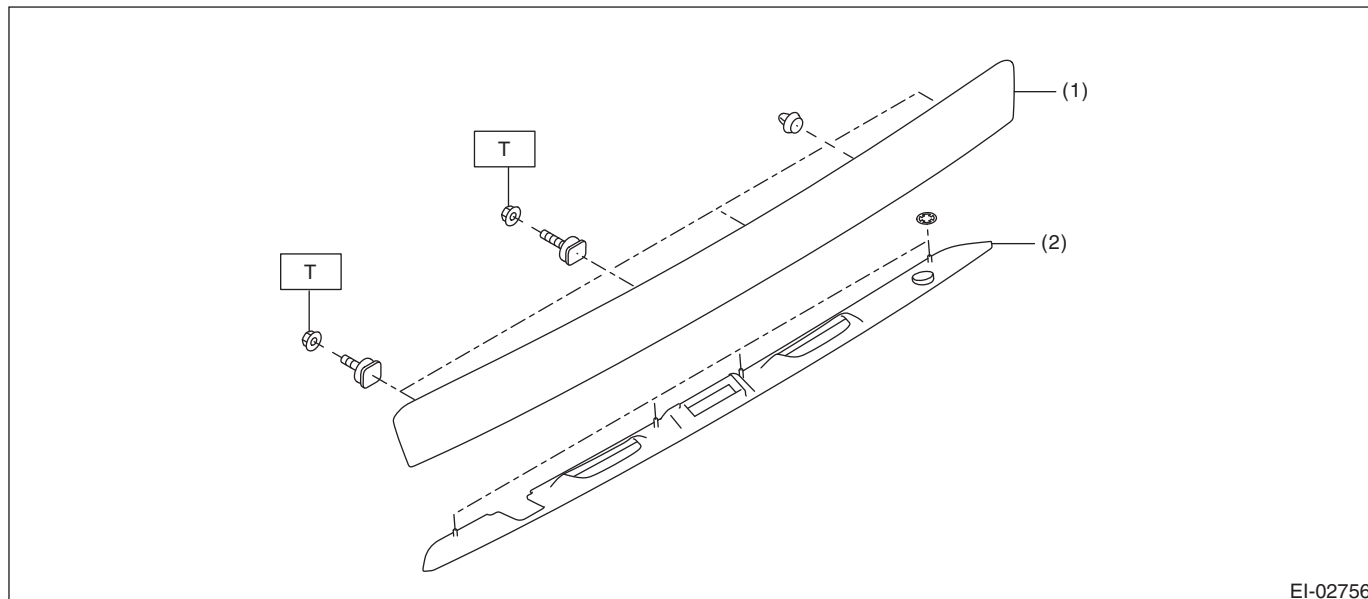


- (1) Roof molding  
(2) Roof rail ASSY  
(3) Rivet  
(4) Clip

**Tightening torque: N·m (kgf·m, ft·lb)**  
**T: 7.5 (0.76, 5.5)**

## Assembly of Exterior Parts

### 12. TRUNK LID GARNISH

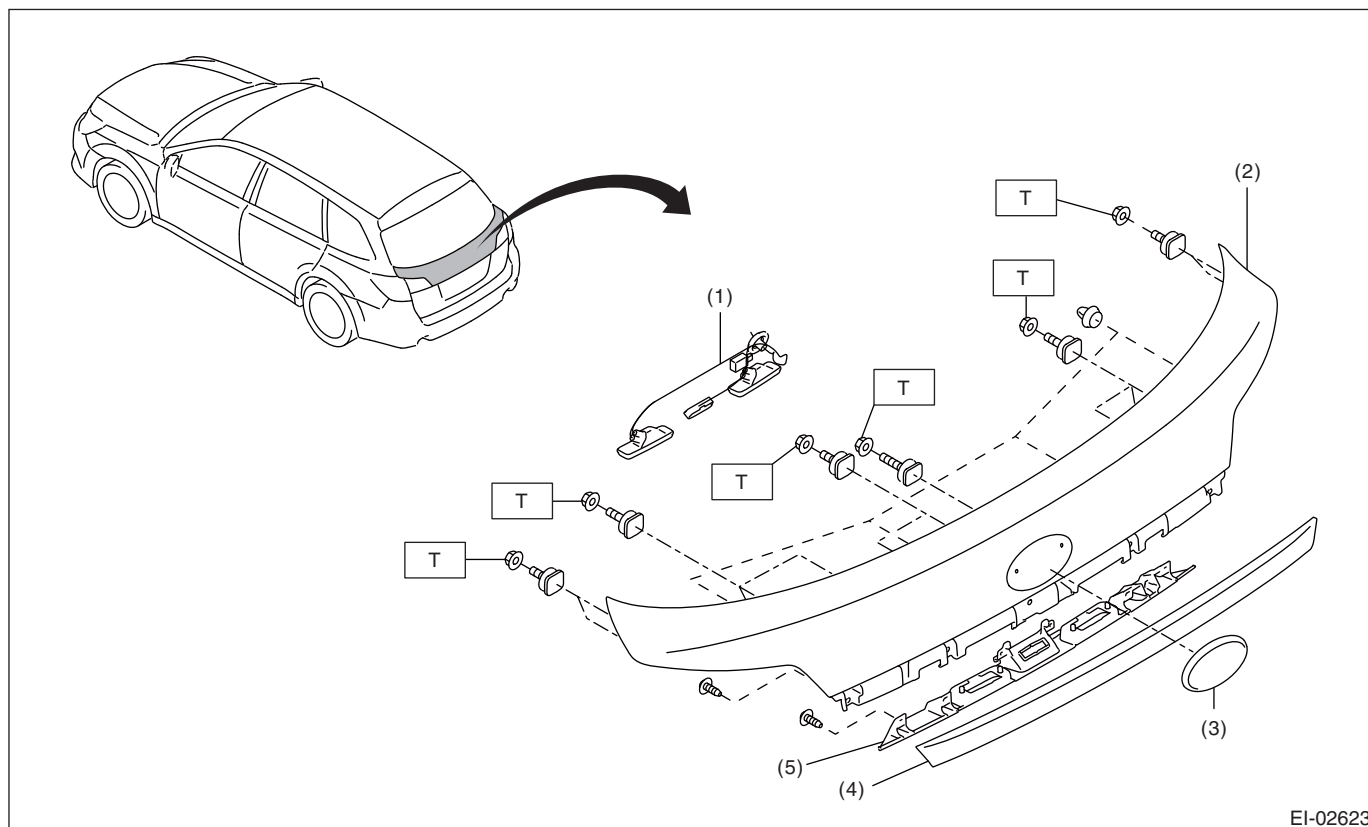


EI-02756

- (1) Trunk lid garnish
- (2) License plate light bracket

**Tightening torque: N·m (kgf-m, ft-lb)**  
**T: 4.5 (0.46, 3.3)**

### 13. REAR GATE GARNISH



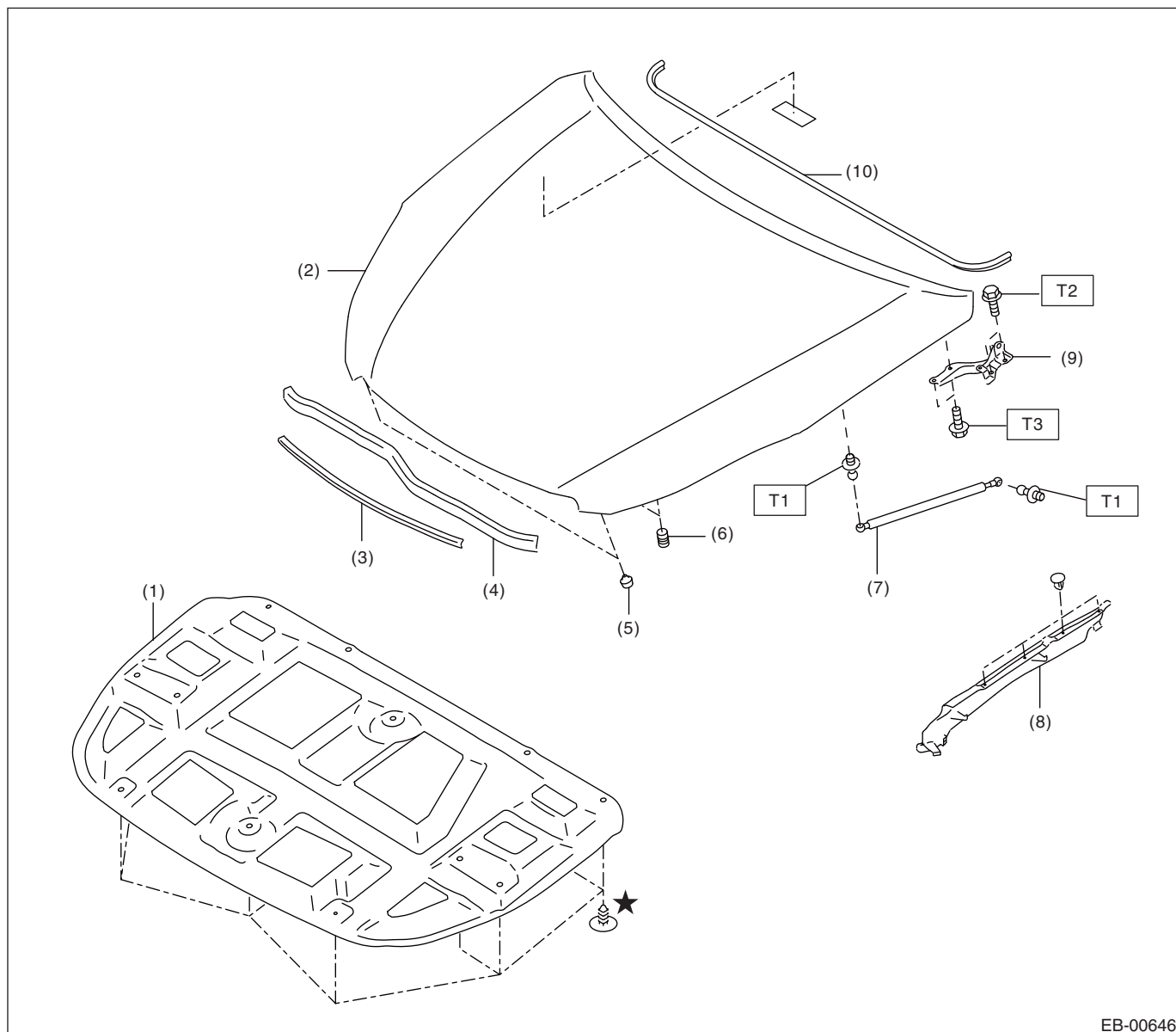
EI-02623

- (1) Rear gate opener ASSY harness
- (2) Rear gate garnish UPR
- (3) Ornament
- (4) Rear gate garnish LWR
- (5) License plate light bracket

**Tightening torque: N·m (kgf-m, ft-lb)**  
**T: 4.5 (0.46, 3.3)**

# Assembly of Exterior Parts

## 14.FRONT HOOD



EB-00646

- |                            |                           |
|----------------------------|---------------------------|
| (1) Insulator              | (6) Buffer (hood side)    |
| (2) Front hood panel ASSY  | (7) Damper stay ASSY      |
| (3) Front grille seal ASSY | (8) Fender cover ASSY UPR |
| (4) Front hood seal ASSY   | (9) Hinge                 |
| (5) Front hood stopper     | (10) Cowl panel seal      |

**Tightening torque:N·m (kgf-m, ft-lb)**

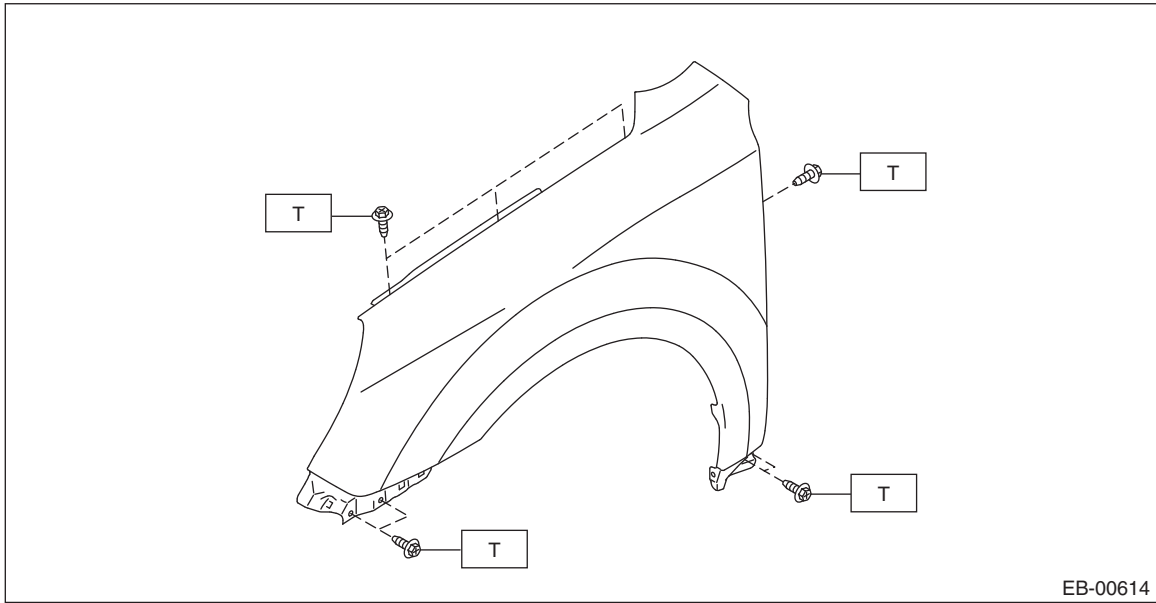
**T1: 20 (2.04, 14.8)**

**T2: 25 (2.55, 18.4)**

**T3: 37 (3.77, 27.3)**

## Assembly of Exterior Parts

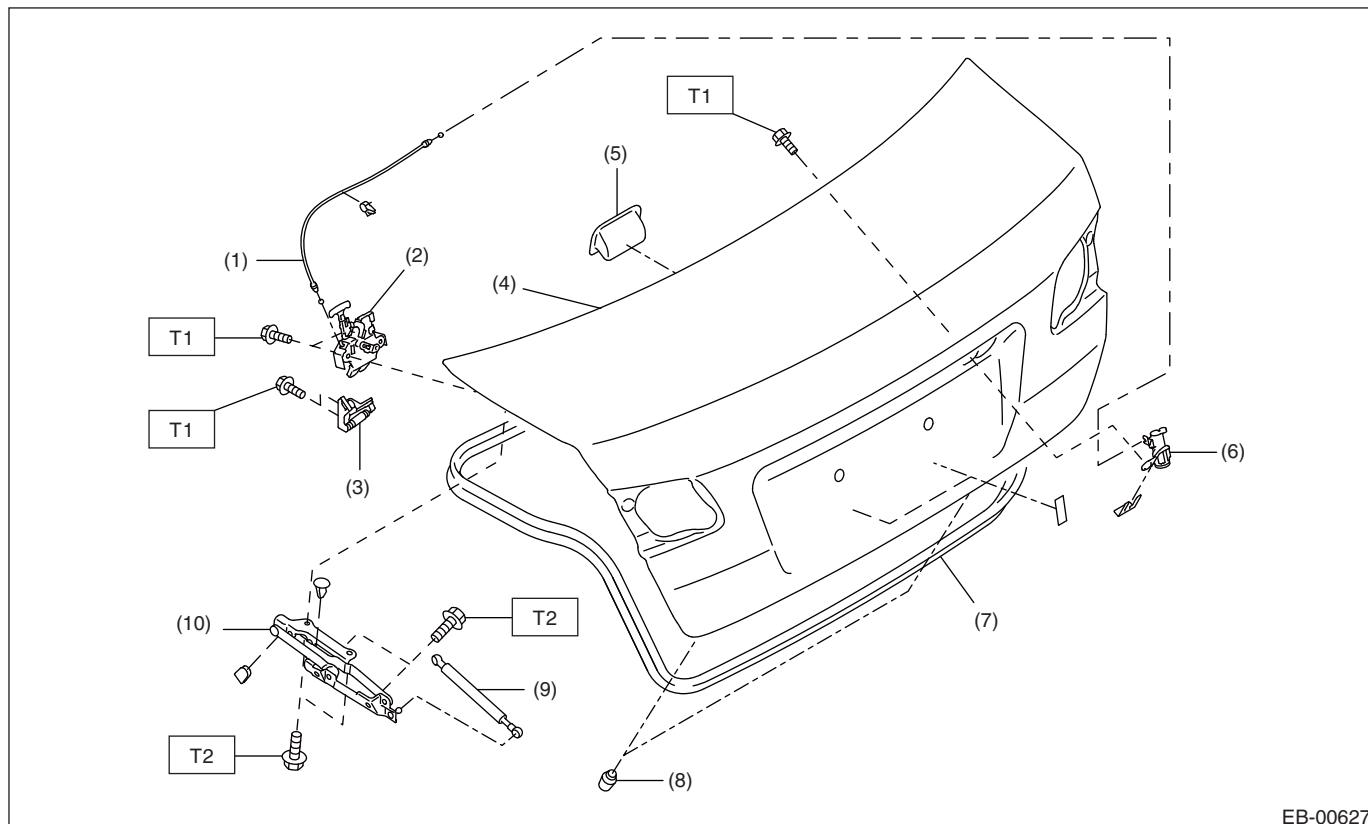
### 15.FRONT FENDER



**Tightening torque:N·m (kgf-m, ft-lb)**  
**T: 7.5 (0.76, 5.5)**

## Assembly of Exterior Parts

### 16. TRUNK LID PANEL



- |                                     |                                 |
|-------------------------------------|---------------------------------|
| (1) Trunk release cable ASSY        | (6) Trunk lid key cylinder ASSY |
| (2) Trunk lid latch & actuator ASSY | (7) Weather strip               |
| (3) Striker                         | (8) Trunk lid stopper           |
| (4) Trunk lid panel ASSY            | (9) Trunk lid damper stay       |
| (5) Trunk lid inner handle          | (10) Trunk lid hinge ASSY       |

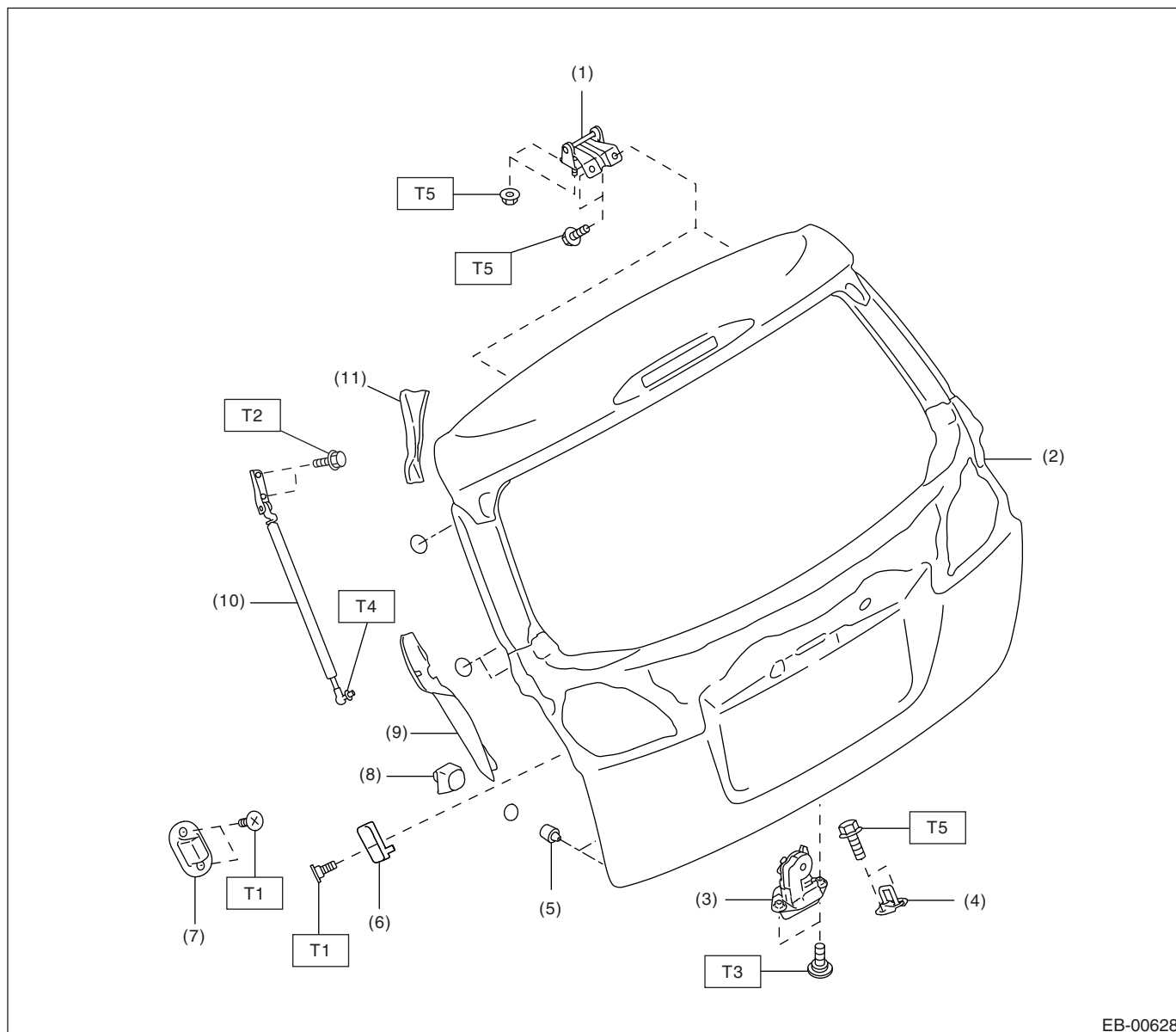
**Tightening torque: N·m (kgf-m, ft-lb)**

**T1: 7.5 (0.76, 5.5)**

**T2: 37 (3.77, 27.3)**

# Assembly of Exterior Parts

## 17.REAR GATE



EB-00628

- |                                     |                                            |
|-------------------------------------|--------------------------------------------|
| (1) Hinge                           | (7) Buffer (body side)                     |
| (2) Rear gate panel                 | (8) Rear gate spacer (mounted to the body) |
| (3) Rear gate latch & actuator ASSY | (9) Rear gate cover                        |
| (4) Striker                         | (10) Rear gate damper stay                 |
| (5) Stopper rubber                  | (11) Rear gate drip rubber                 |
| (6) Buffer (rear gate side)         |                                            |

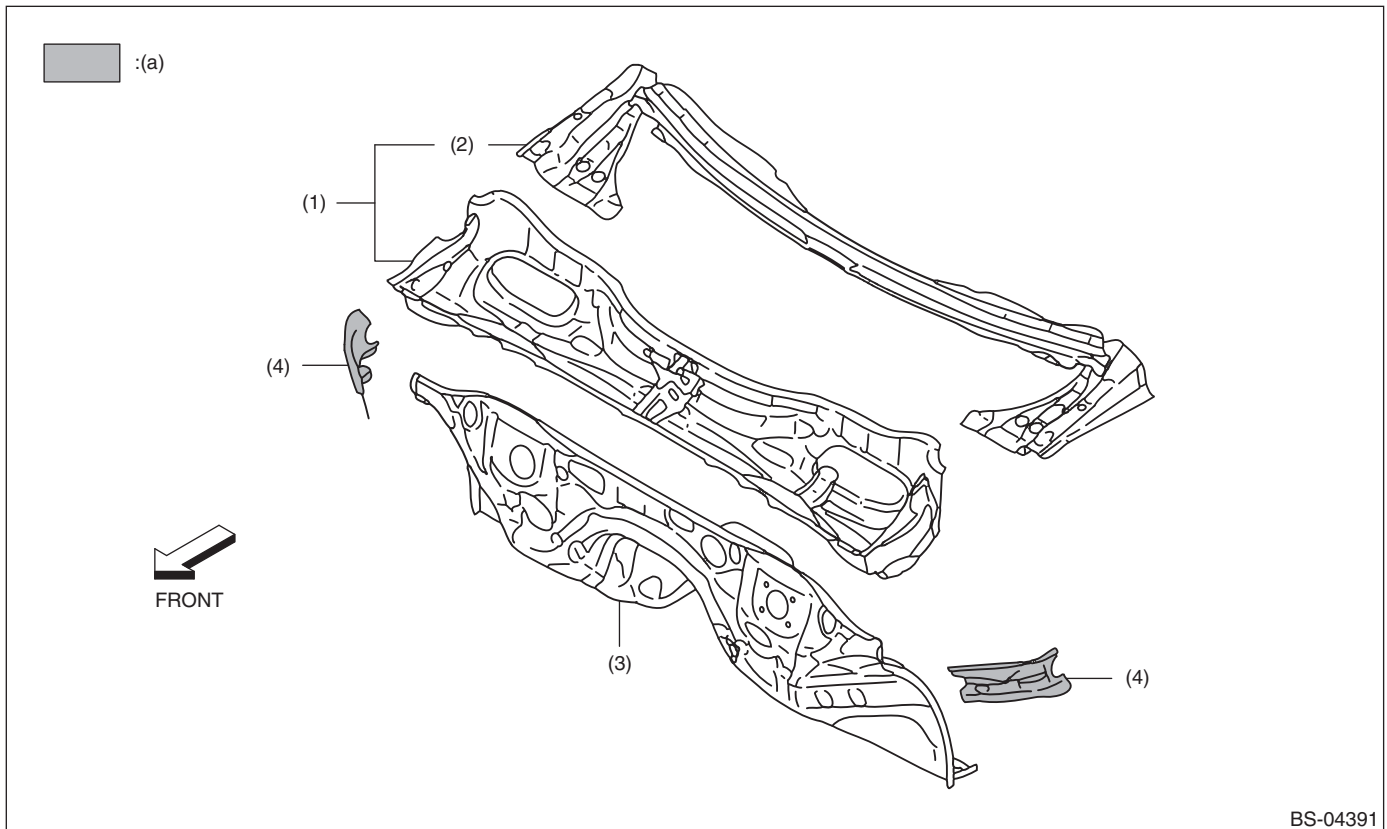
### ***Tightening torque:N·m (kgf-m, ft-lb)***

- T1: 7.5 (0.76, 5.5)***
- T2: 16 (1.63, 11.8)***
- T3: 18 (1.84, 13.3)***
- T4: 20 (2.04, 14.8)***
- T5: 25 (2.55, 18.4)***

### 6. Panel Components

#### A: COMPONENTS

##### 1. TOE BOARD & FRONT PANEL



(a) High-strength steel (590 MPa or less)

(1) Front panel and Duct

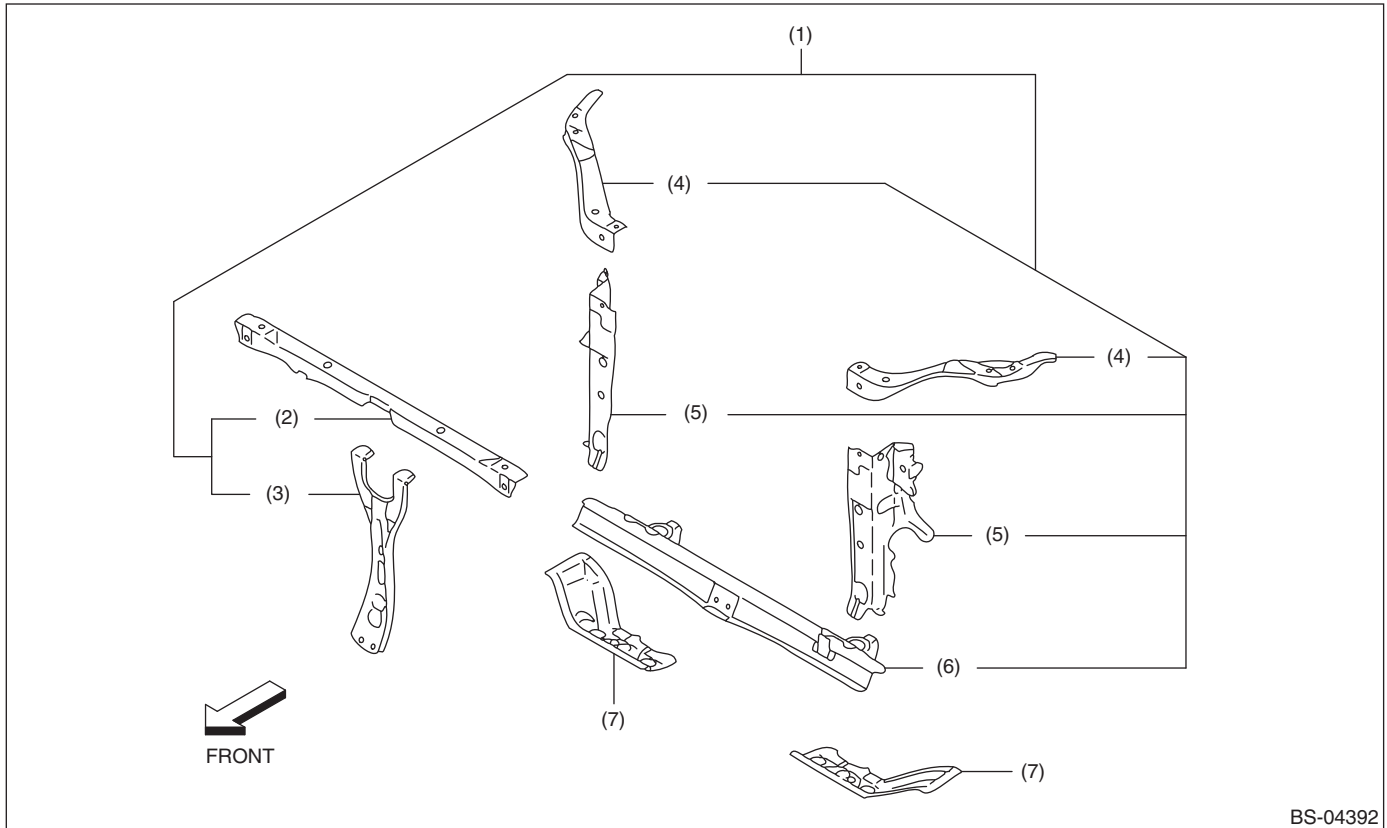
(3) Toe board

(4) Gusset

(2) Front panel

# Panel Components

## 2. RADIATOR PANEL

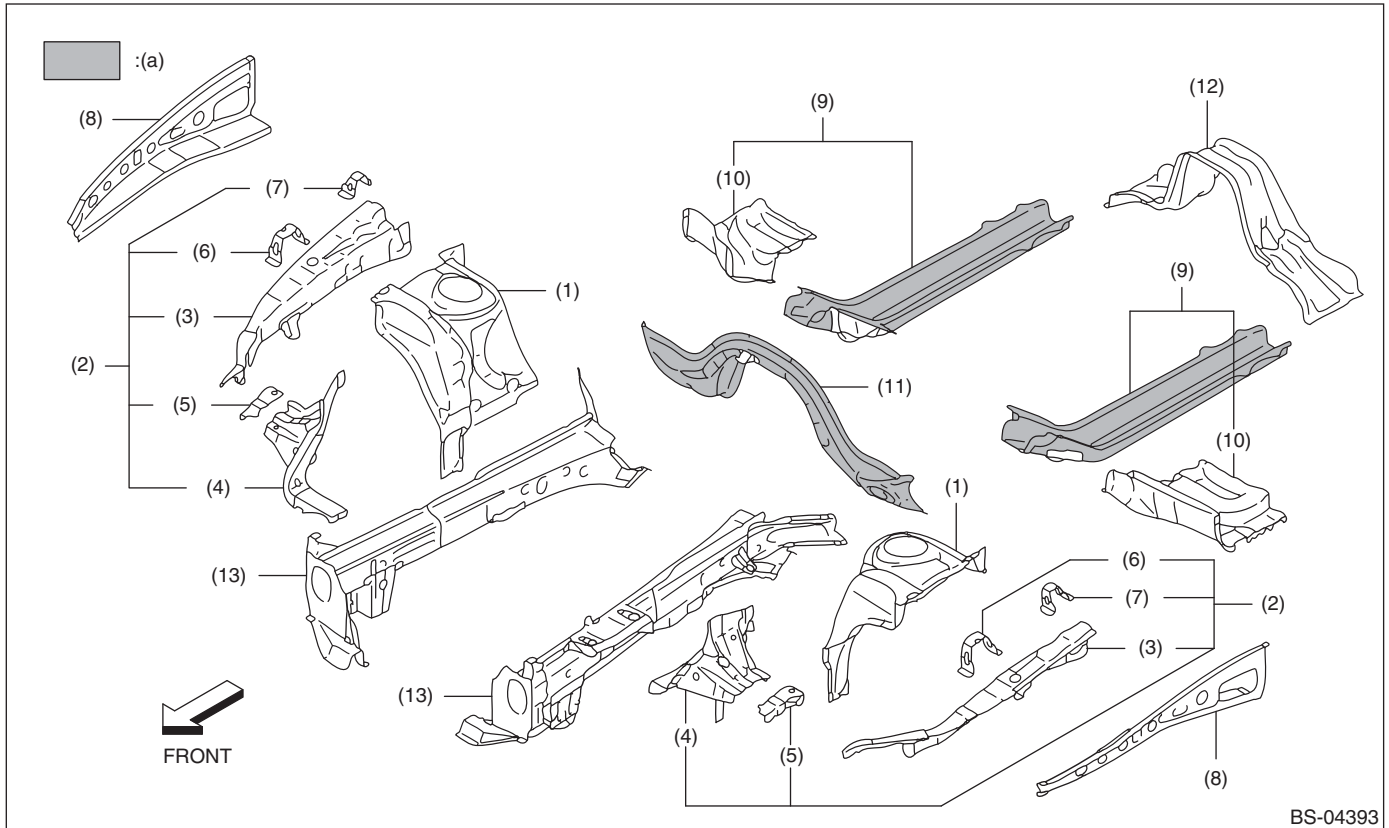


BS-04392

- |                          |                               |                               |
|--------------------------|-------------------------------|-------------------------------|
| (1) Radiator panel       | (4) Radiator side frame upper | (7) Radiator frame lower side |
| (2) Radiator frame upper | (5) Radiator panel side       |                               |
| (3) Hood lock stay       | (6) Radiator frame lower      |                               |

# Panel Components

## 3. FRONT WHEEL APRON



BS-04393

(a) High-strength steel (590 MPa or less)

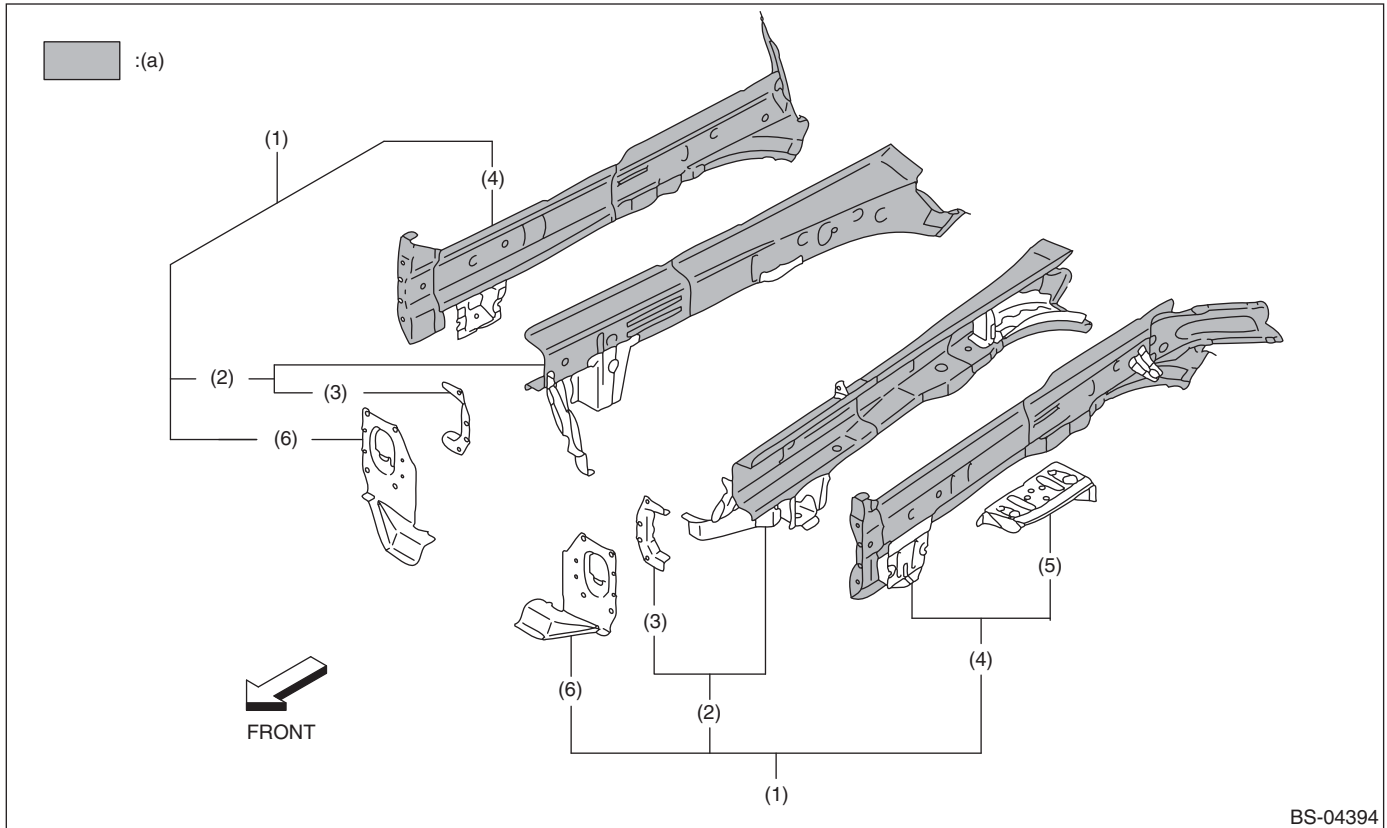
- |                               |                                |                                   |
|-------------------------------|--------------------------------|-----------------------------------|
| (1) Front suspension bracket  | (6) Upper front fender bracket | (11) Toe board crossmember center |
| (2) Front wheel apron         | (7) Upper rear fender bracket  | (12) Floor crossmember front      |
| (3) Side upper inner frame    | (8) Side upper frame           | (13) Front side frame front       |
| (4) Front apron reinforcement | (9) Front side frame rear      |                                   |
| (5) Side fender bracket       | (10) Toe board reinforcement   |                                   |

### NOTE:

Refer to next page for (13) Front side frame front.

# Panel Components

## 4. FRONT SIDE FRAME



BS-04394

(a) High-strength steel (590 MPa or less)

(1) Front side frame front

(2) Front side subframe front

(3) Inner front beam bracket

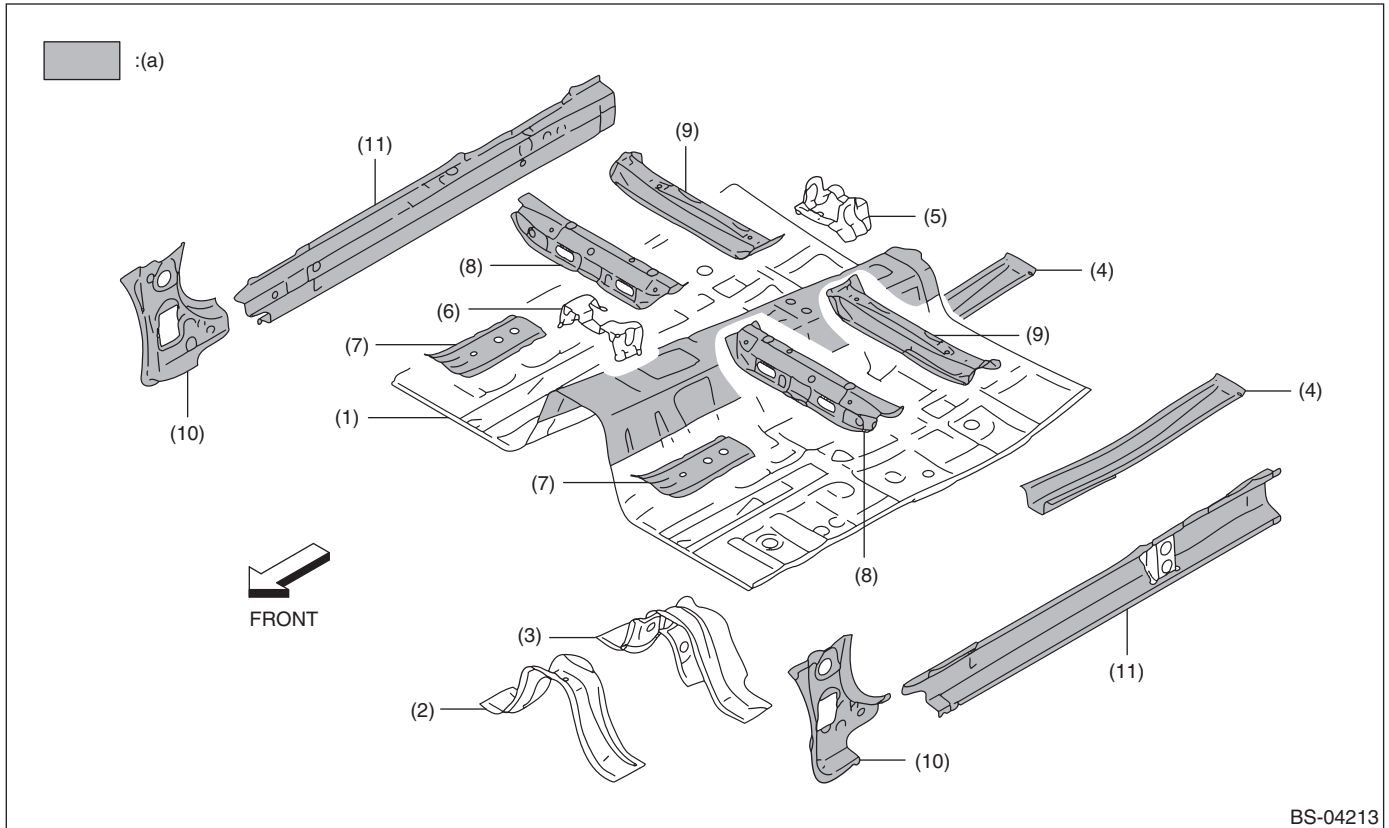
(4) Closing plate

(5) Battery reinforcement gusset

(6) Plate

# Panel Components

## 5. FRONT FLOOR PANEL

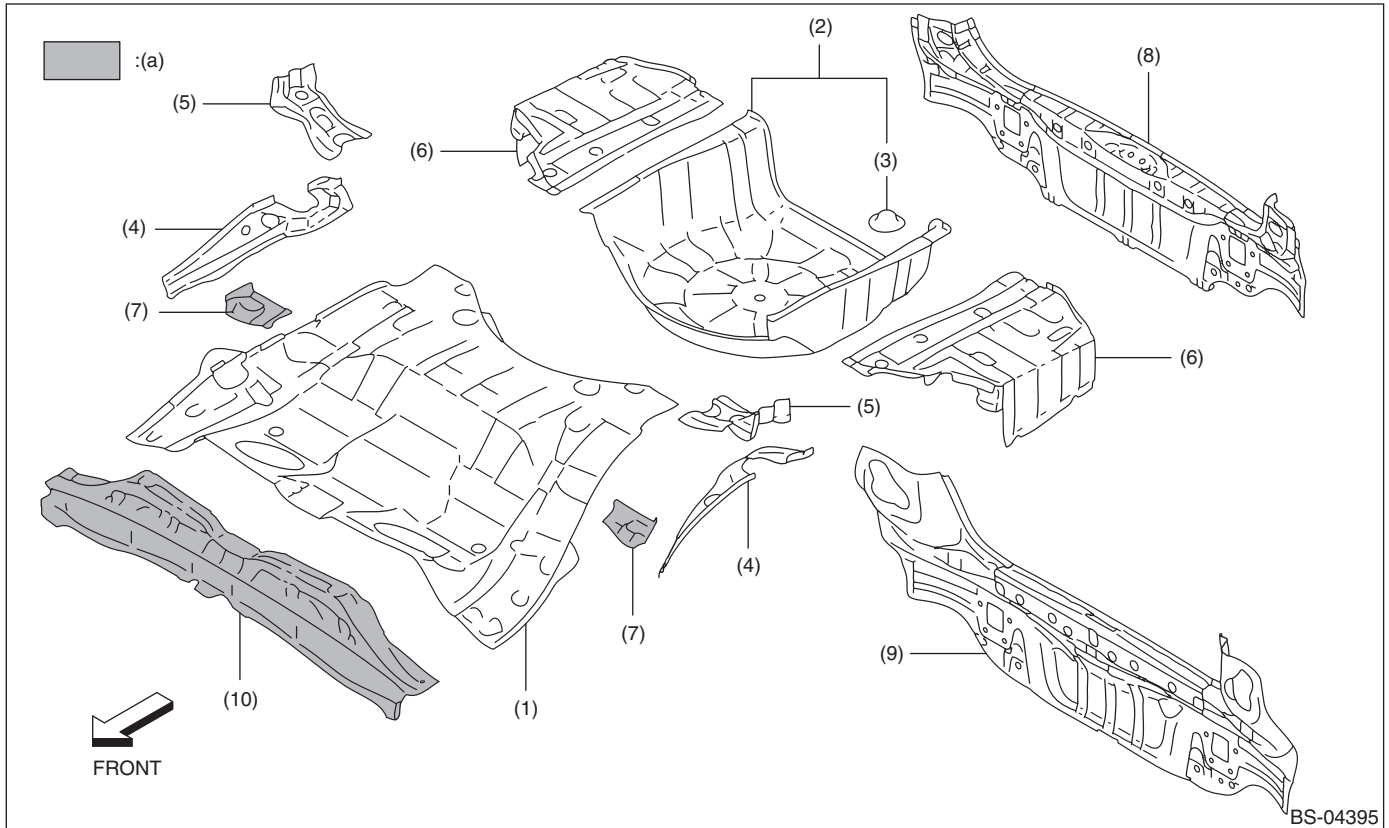


(a) High-strength steel (590 MPa or less)

- |                              |                                  |                                 |
|------------------------------|----------------------------------|---------------------------------|
| (1) Front floor pan          | (5) Airbag ECU bracket           | (9) Front seat crossmember rear |
| (2) Floor crossmember center | (6) Instrument panel bracket     | (10) Front pillar inner lower   |
| (3) Floor crossmember rear   | (7) Front floor frame front      | (11) Side sill inner            |
| (4) Front floor frame rear   | (8) Front seat crossmember front |                                 |

# Panel Components

## 6. REAR FLOOR PANEL & REAR SKIRT



(a) High-strength steel (590 MPa or less)

(1) Rear floor pan front

(2) Rear floor pan rear

(3) Spare tire bracket

(4) Damper bracket floor upper

(5) Rear apron gusset

(6) Floor side rear

(7) Rear seat side bracket

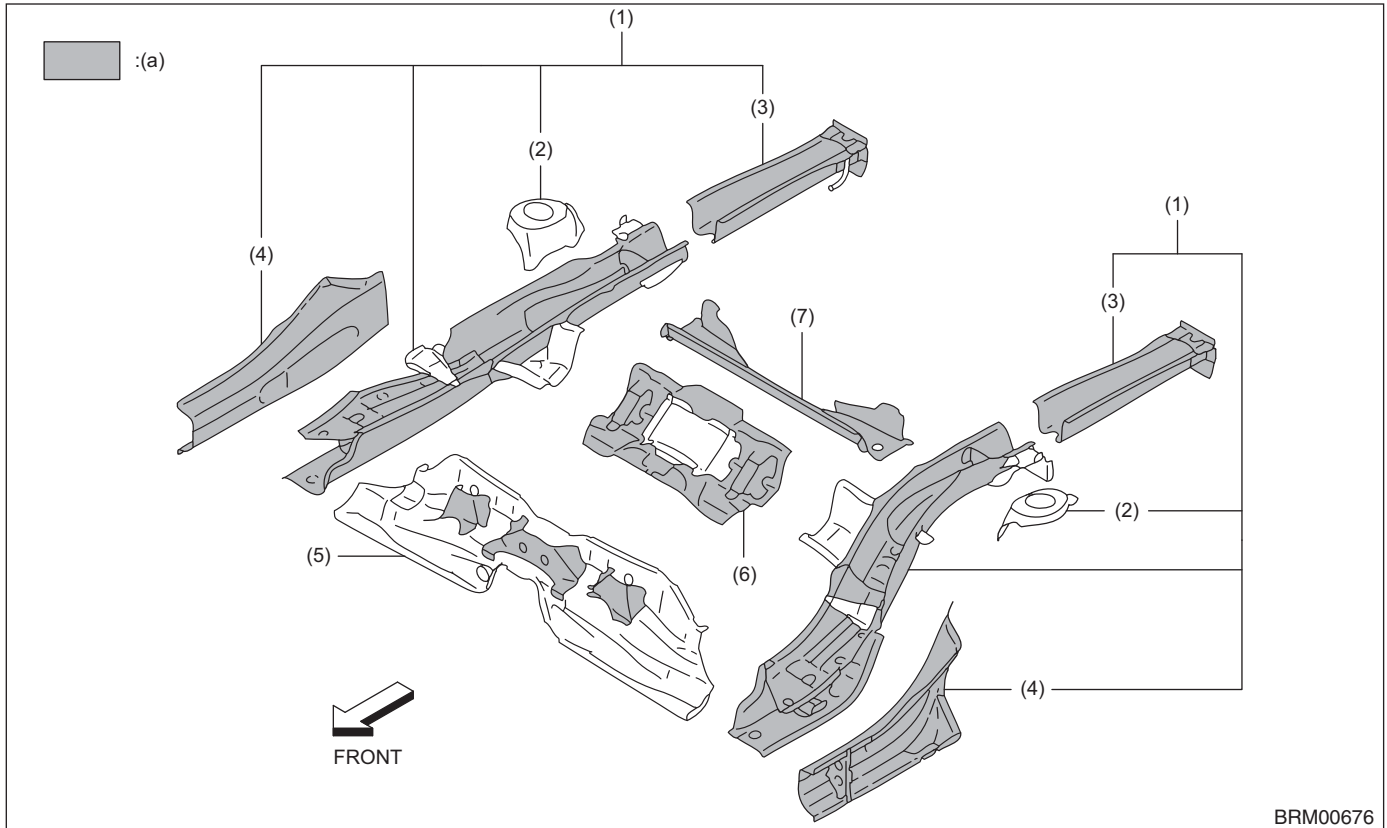
(8) Rear skirt (OUTBACK)

(9) Rear skirt (sedan)

(10) Rear floor crossmember A front

## Panel Components

### 7. REAR FLOOR SIDE FRAME



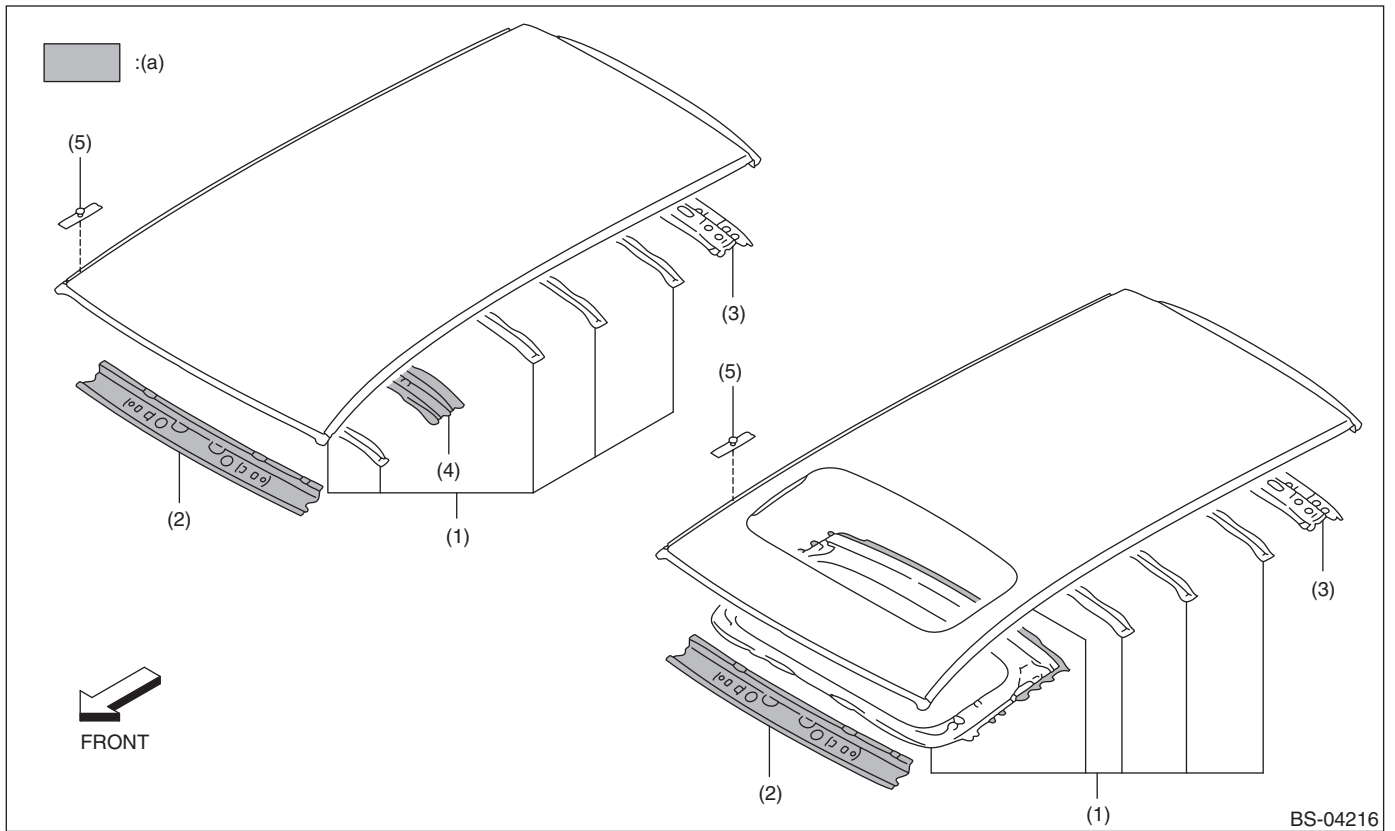
(a) High-strength steel (590 MPa or less)

- |                                      |                                   |                              |
|--------------------------------------|-----------------------------------|------------------------------|
| (1) Floor side frame rear            | (4) Side sill inner rear          | (7) Rear floor crossmember C |
| (2) Rear suspension bracket          | (5) Rear floor crossmember A rear |                              |
| (3) Floor side frame rear lower rear | (6) Rear floor crossmember B      |                              |

## Panel Components

### 8. ROOF

#### • OUTBACK



(a) High-strength steel (590 MPa or less)

(1) Roof panel

(2) Front roof rail

(3) Rear roof rail

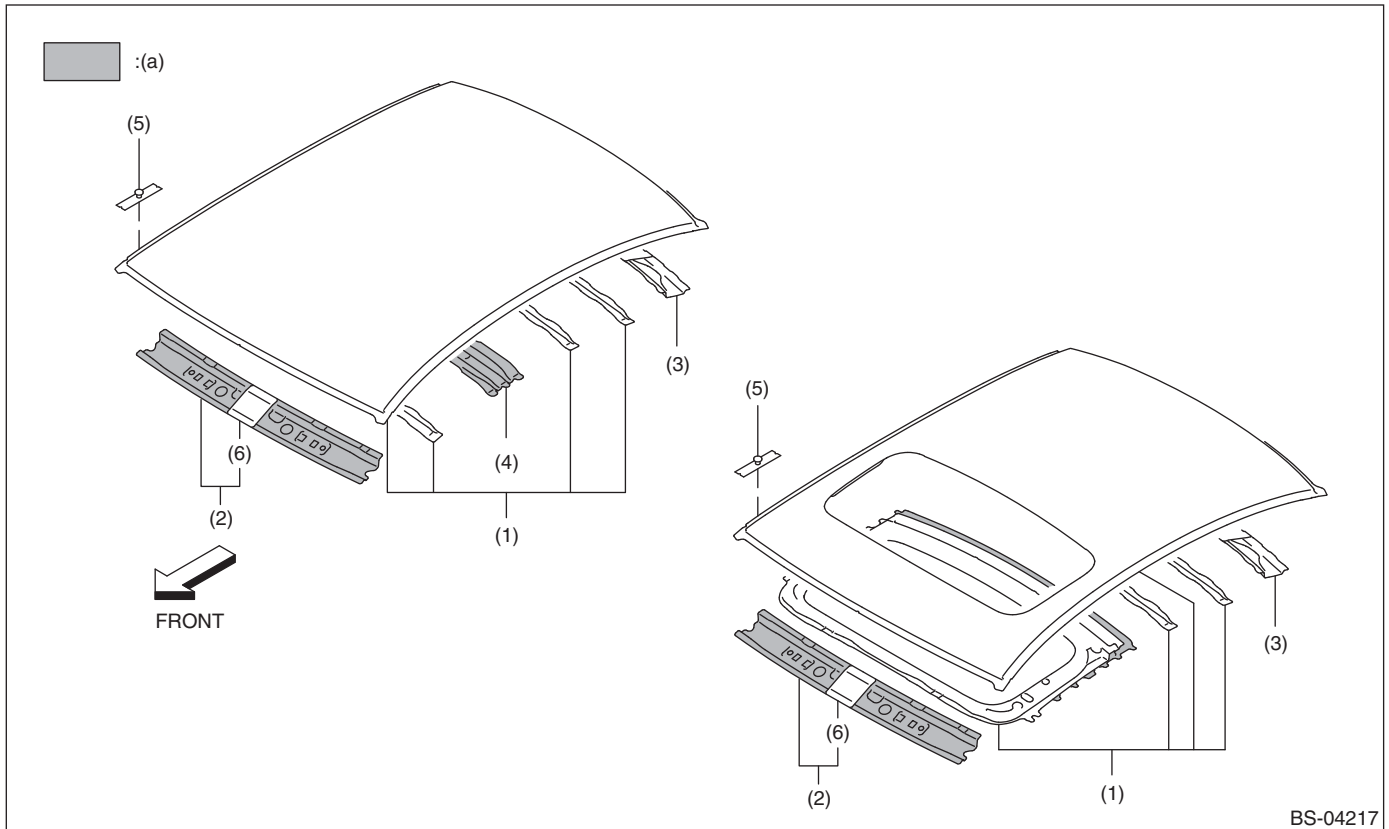
(4) Roof center brace

(5) T stud plate

BS-04216

# Panel Components

## • Sedan



(a) High-strength steel (590 MPa or less)

(1) Roof panel  
(2) Front roof rail

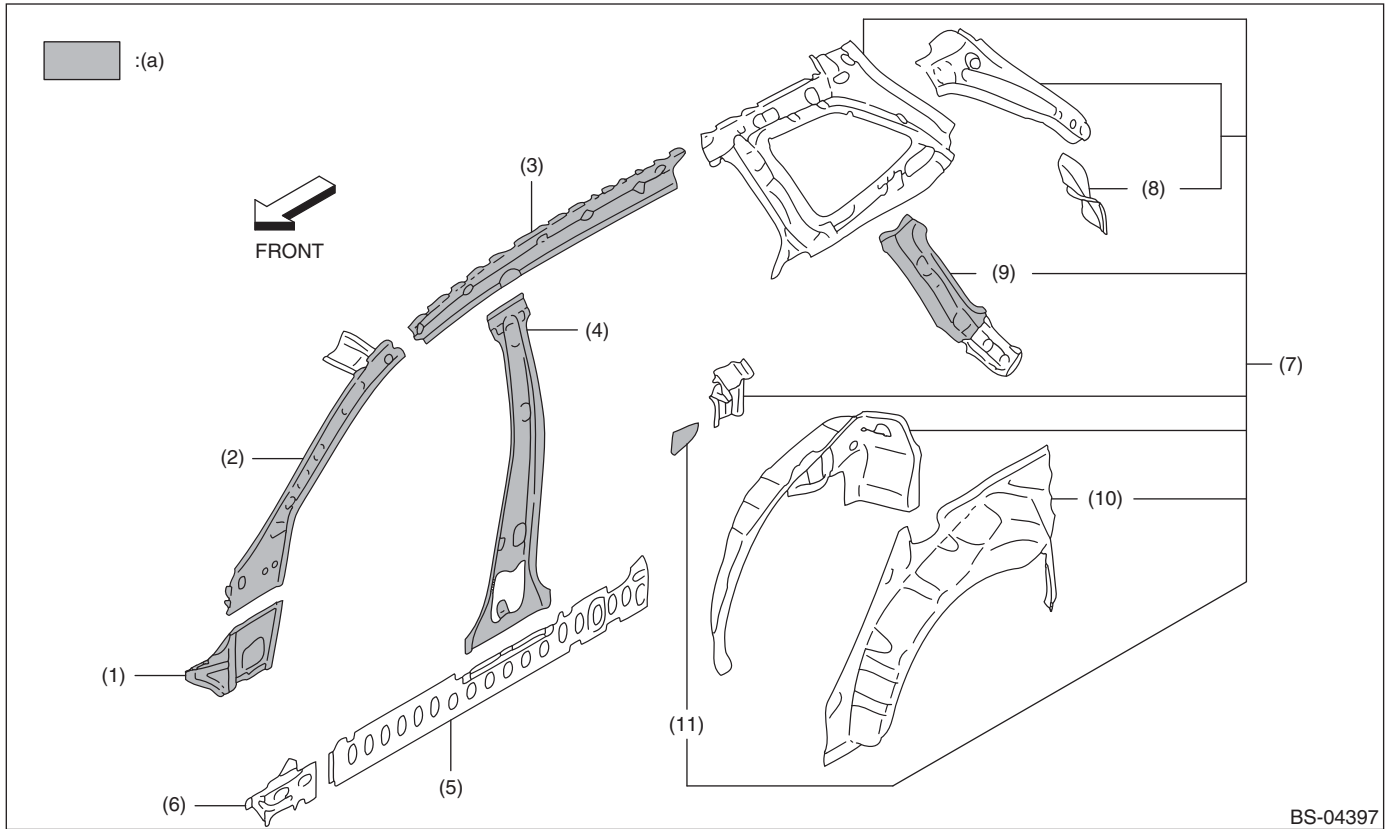
(3) Rear roof rail  
(4) Roof center brace

(5) T stud plate  
(6) Rail front upper sedan

# Panel Components

## 9. SIDE PANEL INNER

### • OUTBACK

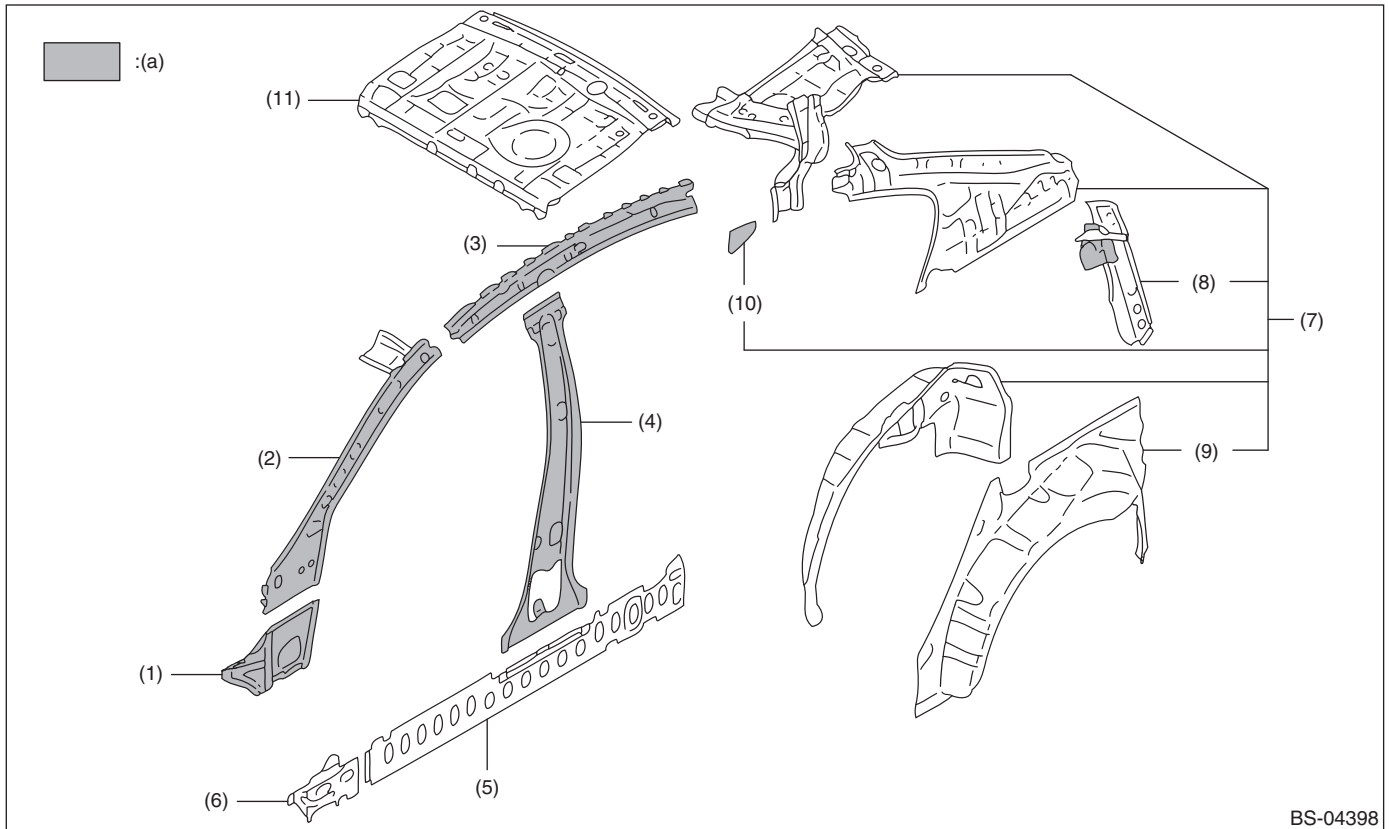


(a) High-strength steel (590 MPa or less)

- |                               |                                   |                             |
|-------------------------------|-----------------------------------|-----------------------------|
| (1) Front pillar inner center | (5) Side sill reinforcement       | (9) C-pillar reinforcement  |
| (2) Front pillar inner upper  | (6) Side sill reinforcement front | (10) Rear arch inner        |
| (3) Side rail inner           | (7) Rear quarter inner            | (11) Retractor bracket rear |
| (4) Center pillar inner       | (8) Rear quarter extension        |                             |

# Panel Components

## • Sedan



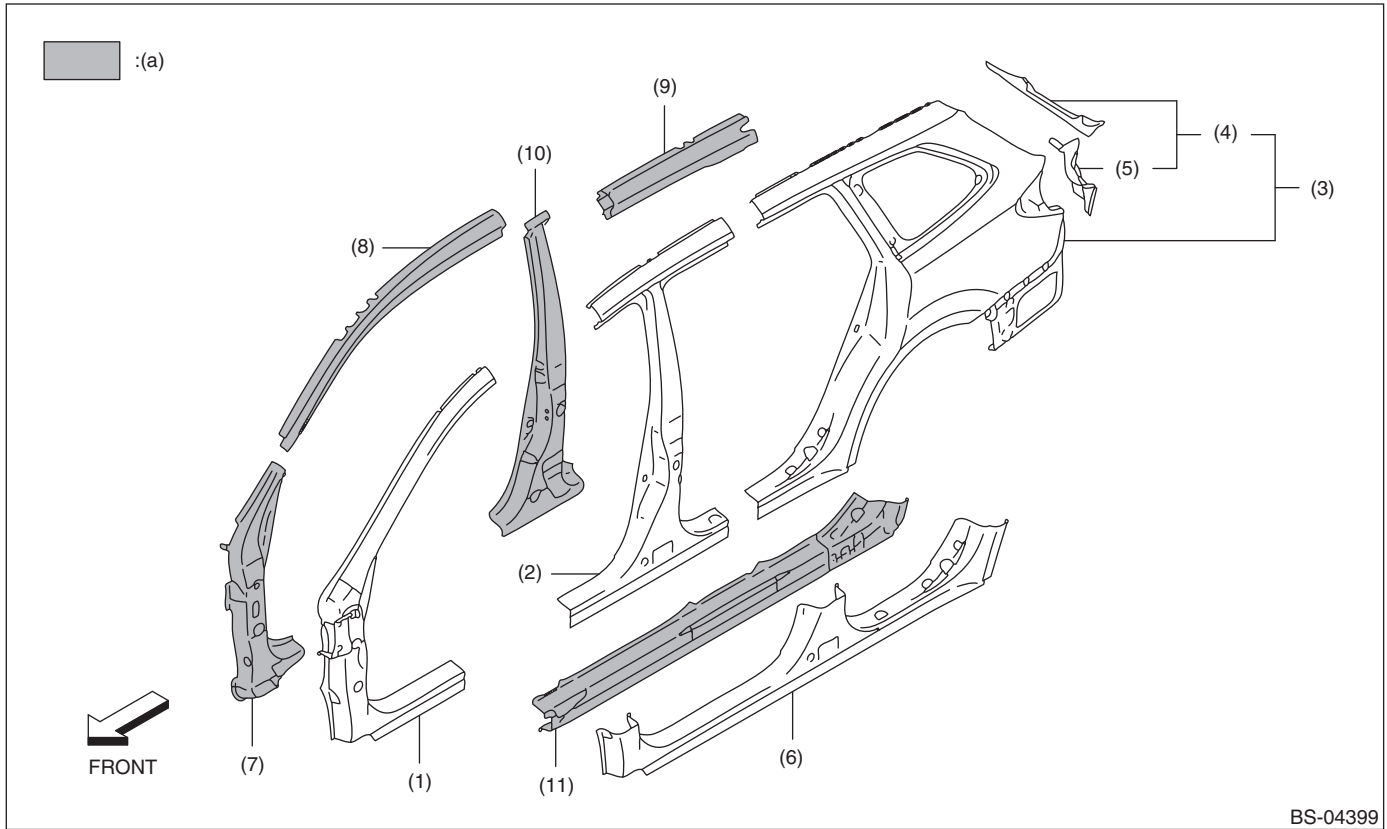
(a) High-strength steel (590 MPa or less)

- |                               |                                   |                             |
|-------------------------------|-----------------------------------|-----------------------------|
| (1) Front pillar inner center | (5) Side sill reinforcement       | (9) Rear arch inner         |
| (2) Front pillar inner upper  | (6) Side sill reinforcement front | (10) Retractor bracket rear |
| (3) Side rail inner           | (7) Rear quarter inner            | (11) Rear panel             |
| (4) Center pillar inner       | (8) Rear pillar reinforcement     |                             |

# Panel Components

## 10.SIDE PANEL OUTER

### • OUTBACK

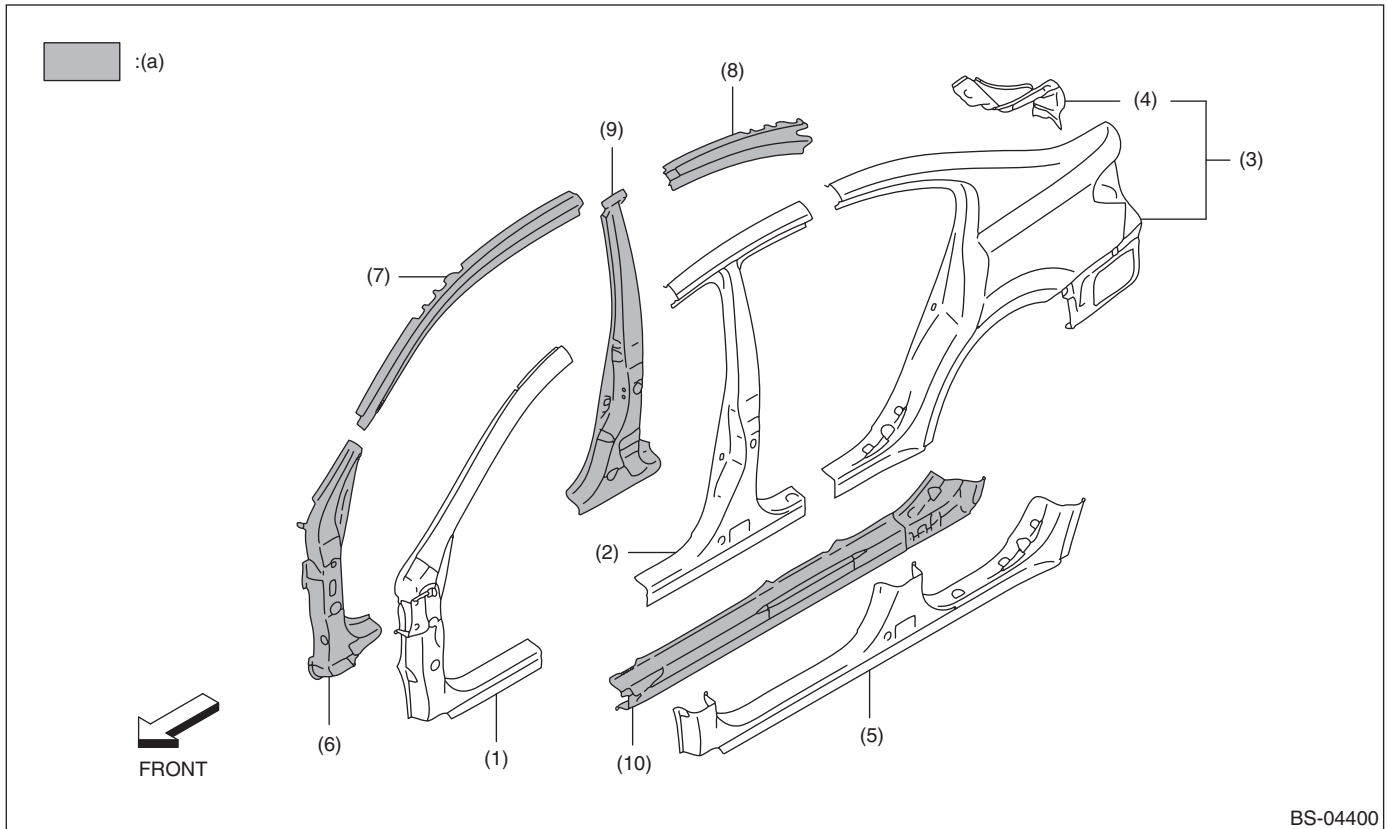


(a) High-strength steel (590 MPa or less)

- |                               |                                         |                                        |
|-------------------------------|-----------------------------------------|----------------------------------------|
| (1) Front pillar outer        | (5) Rear quarter end                    | (9) Side rail reinforcement outer rear |
| (2) Center pillar outer       | (6) Side sill outer                     | (10) Center pillar reinforcement       |
| (3) Rear quarter outer        | (7) Front pillar reinforcement          | (11) Side sill reinforcement outer     |
| (4) Rear quarter end complete | (8) Side rail reinforcement outer front |                                        |

# Panel Components

## • Sedan



(a) High-strength steel (590 MPa or less)

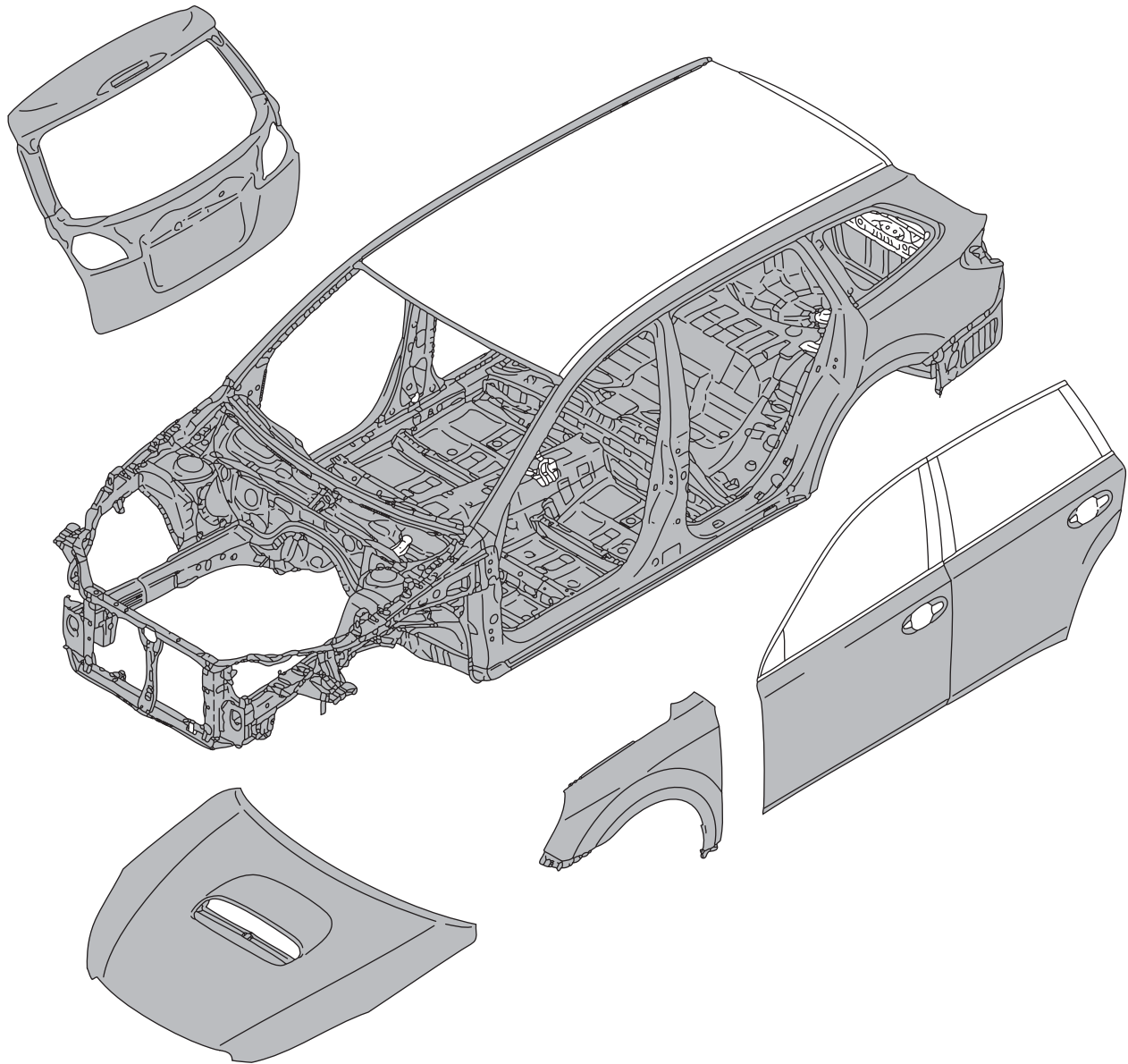
- |                         |                                         |                                    |
|-------------------------|-----------------------------------------|------------------------------------|
| (1) Front pillar outer  | (5) Side sill outer                     | (9) Center pillar reinforcement    |
| (2) Center pillar outer | (6) Front pillar reinforcement          | (10) Side sill reinforcement outer |
| (3) Rear quarter outer  | (7) Side rail reinforcement outer front |                                    |
| (4) Rear pillar patch   | (8) Side rail reinforcement outer rear  |                                    |

### 7. Galvanized Sheet Metal

#### A: SPECIFICATION

##### 1. COMMON PARTS FOR OUTBACK AND SEDAN

 : (1)



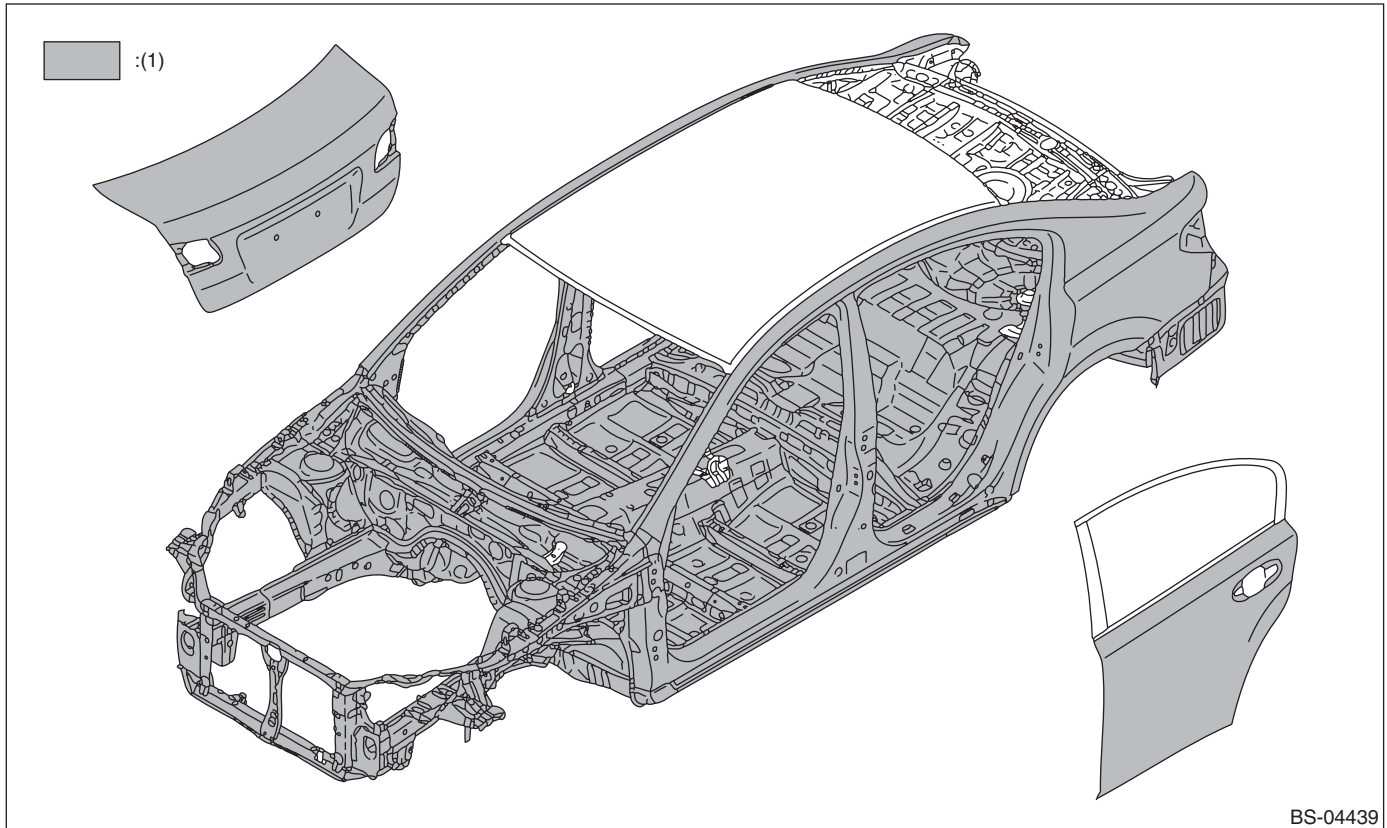
BS-04438

- (1) Galvanized sheet metal (both sides)

The fuel flap consists of galvanized sheet metal.

# Galvanized Sheet Metal

## 2. SPECIAL SEDAN PARTS



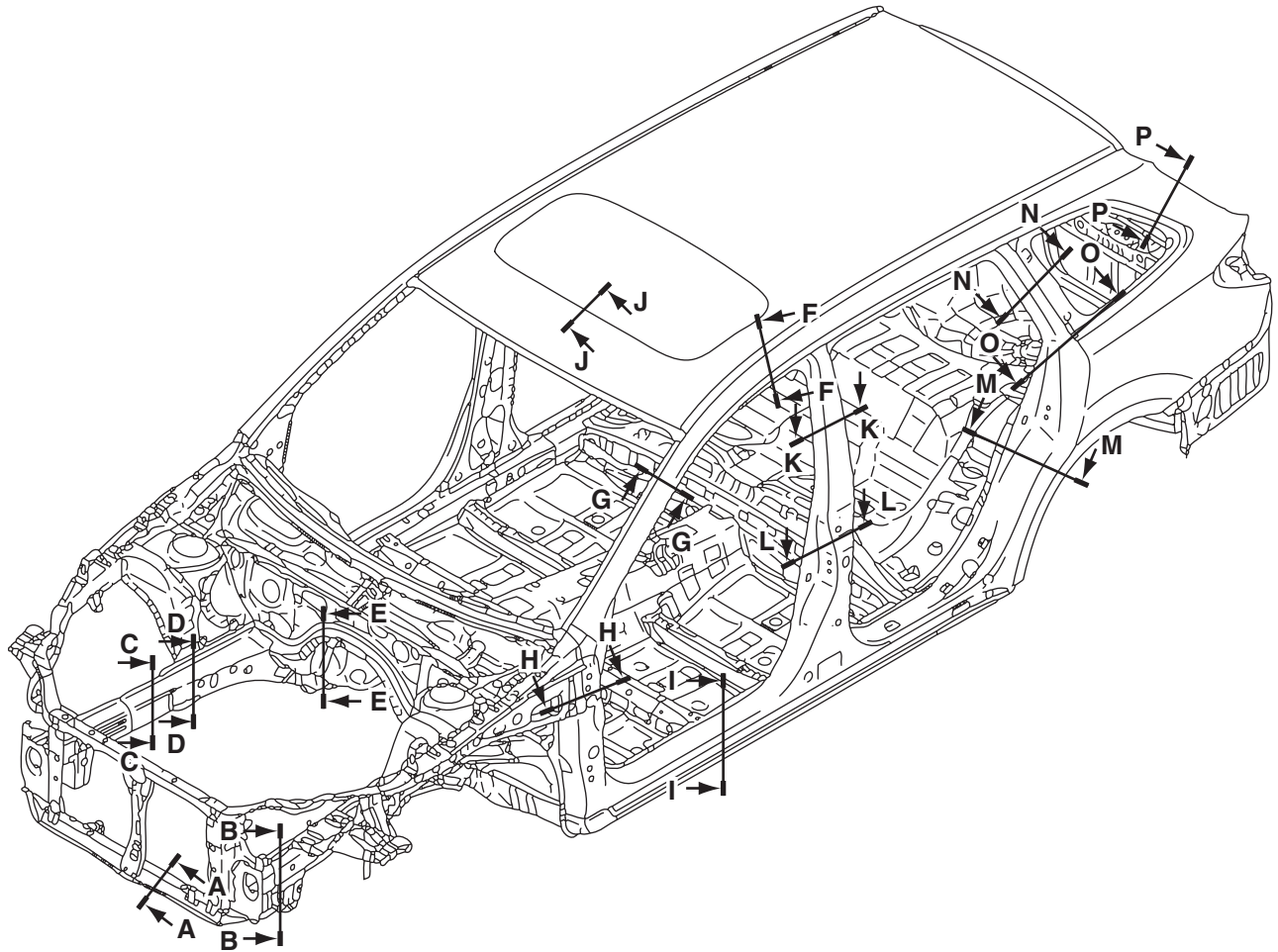
- (1) Galvanized sheet metal (both sides)

The fuel flap consists of galvanized sheet metal.

## 8. Body Construction

### A: SPECIFICATIONS

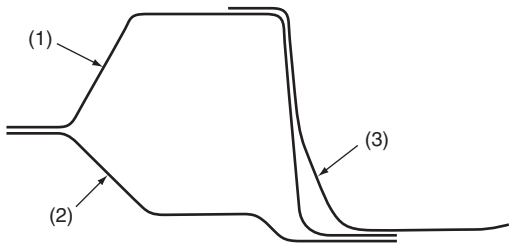
- Common parts for OUTBACK and sedan



BS-04544

# Body Construction

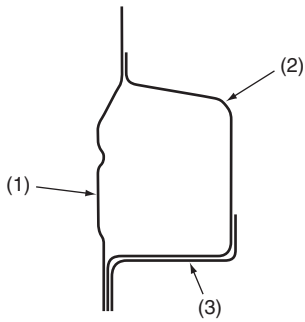
**Cross section A — A**



BS-04235

- (1) Frame radiator lower A
- (2) Frame lower B side
- (3) Bracket radiator

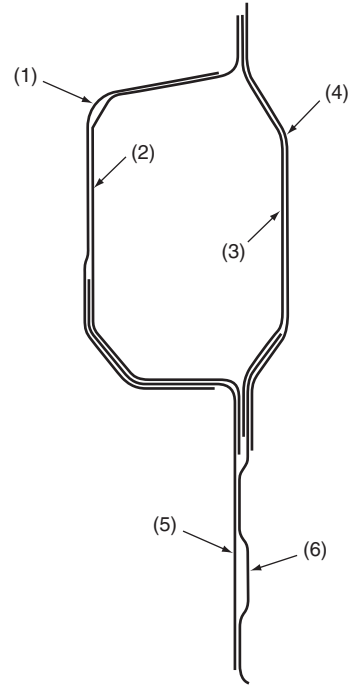
**Cross section C — C**



BS-04237

- (1) Closing plate front
- (2) Frame side front
- (3) Bracket cradle center

**Cross section B — B**

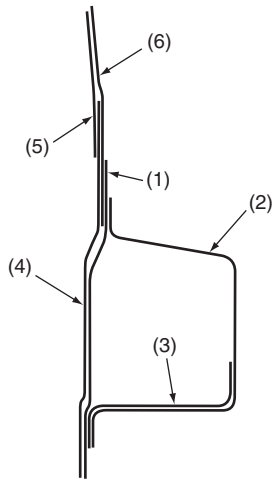


BS-04236

- (1) Bracket beam front inner
- (2) Frame side front
- (3) Closing plate front
- (4) Bracket beam front outer
- (5) Bracket cradle front inner
- (6) Bracket cradle front outer

# Body Construction

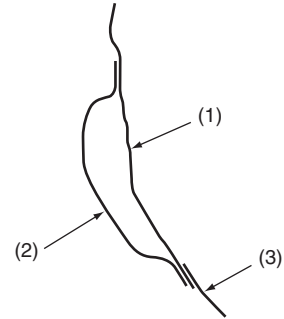
**Cross section D — D**



BS-04238

- (1) Closing plate front
- (2) Frame side front
- (3) Reinforcement cradle center
- (4) Reinforcement front suspension lower
- (5) Bracket front suspension lower
- (6) Reinforcement front suspension upper

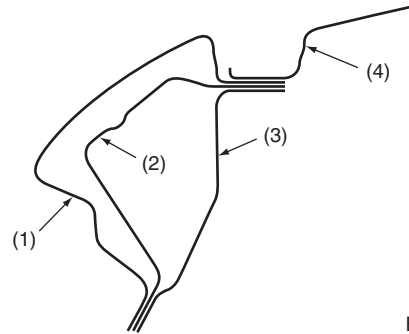
**Cross section E — E**



BS-04239

- (1) Toe board
- (2) Crossmember toe board center
- (3) Extension front floor

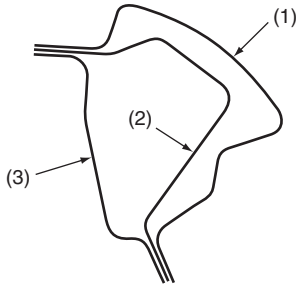
**Cross section F — F**



BS-04240

- (1) Panel side outer
- (2) Reinforcement rail side outer
- (3) Rail side inner
- (4) Roof panel

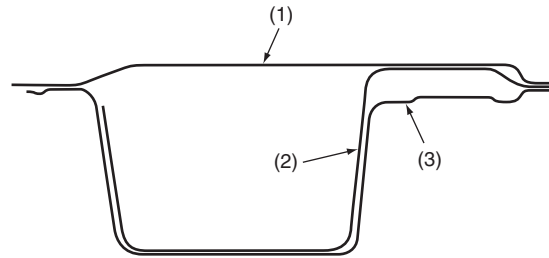
**Cross section G — G**



BS-04241

- (1) Panel side outer
- (2) Reinforcement rail side outer
- (3) Pillar front inner upper

**Cross section H — H**

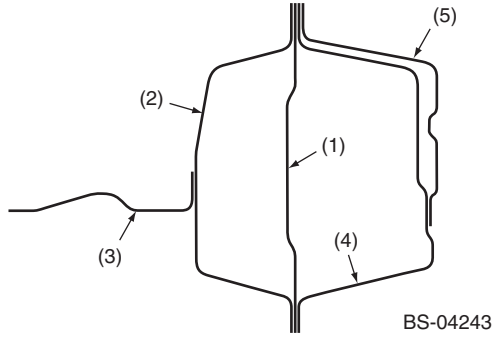


BS-04242

- (1) Pillar front inner center
- (2) Reinforcement pillar front outer
- (3) Panel side outer

# Body Construction

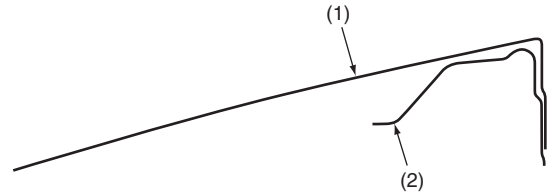
**Cross section I — I**



- (1) Reinforcement sill side
- (2) Side sill inner
- (3) Floor pan front
- (4) Reinforcement sill side outer
- (5) Panel side outer

BS-04243

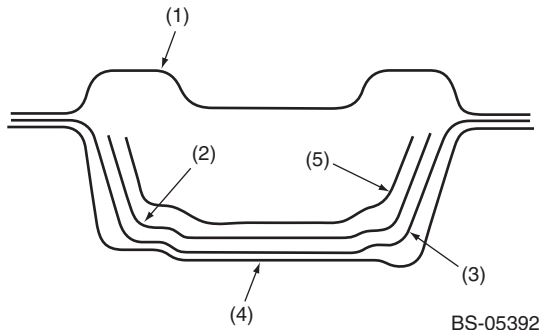
**Cross section J — J**



- (1) Roof panel
- (2) Frame sunroof

BS-04244

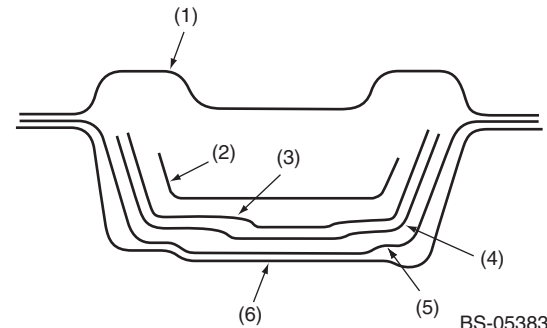
**Cross section K — K (All models from 2009MY to 2011MY and sedan models from 2012MY onward)**



- (1) Pillar center inner
- (2) Reinforcement pillar center outer A
- (3) Reinforcement pillar center outer
- (4) Panel side outer
- (5) Reinforcement pillar center outer B

BS-05392

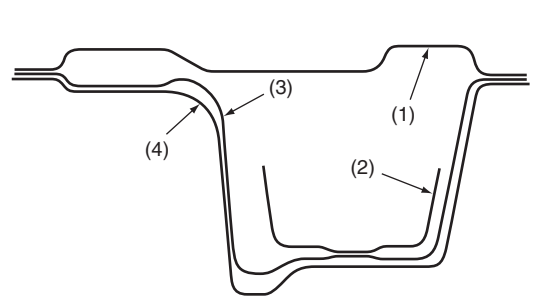
**Cross section K — K (OUTBACK from 2012MY onward)**



- (1) Pillar center inner
- (2) Reinforcement pillar center outer C
- (3) Reinforcement pillar center outer B
- (4) Reinforcement pillar center outer A
- (5) Reinforcement pillar center outer
- (6) Panel side outer

BS-05383

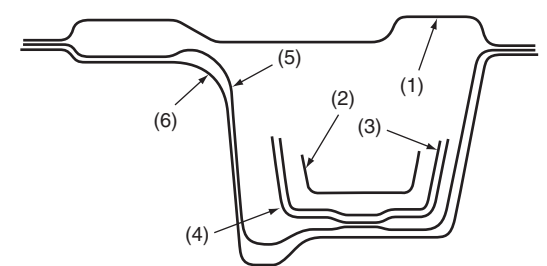
**Cross section L — L (All models from 2009MY to 2011MY and sedan models from 2012MY onward)**



- (1) Pillar center inner
- (2) Reinforcement pillar center outer A
- (3) Reinforcement pillar center outer
- (4) Panel side outer

BS-04246

**Cross section L — L (OUTBACK from 2012MY onward)**

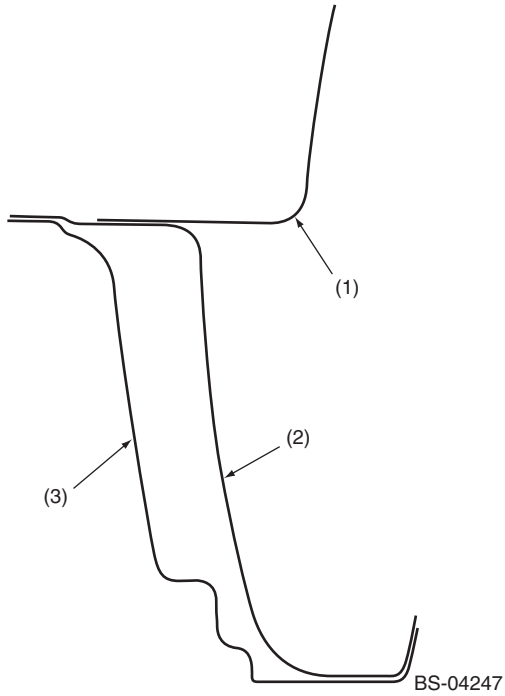


- (1) Pillar center inner
- (2) Reinforcement pillar center outer D
- (3) Reinforcement pillar center outer B
- (4) Reinforcement pillar center outer A
- (5) Reinforcement pillar center outer
- (6) Panel side outer

BS-05384

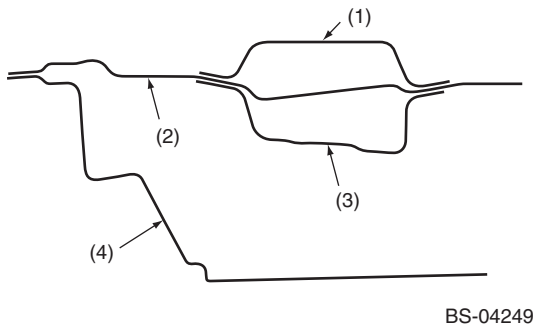
# Body Construction

**Cross section M — M**



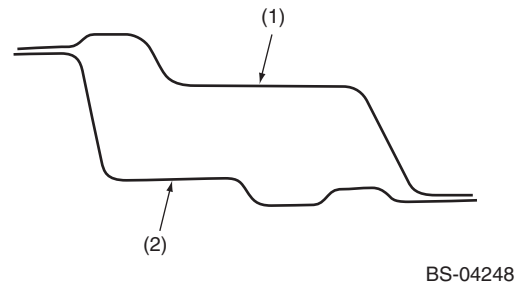
- (1) Wheel apron rear
- (2) Arch rear inner
- (3) Panel side outer

**Cross section O — O**



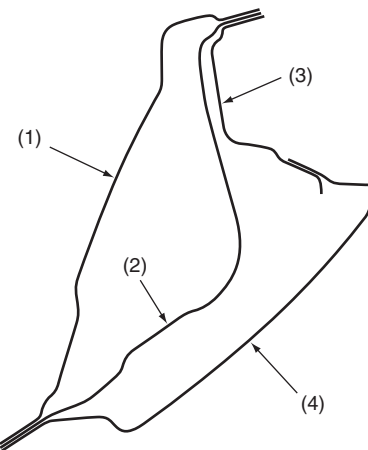
- (1) Reinforcement rear wheel apron
- (2) Quarter panel rear inner
- (3) Reinforcement C-pillar
- (4) Panel side outer

**Cross section N — N**



- (1) Quarter panel rear inner
- (2) Panel side outer

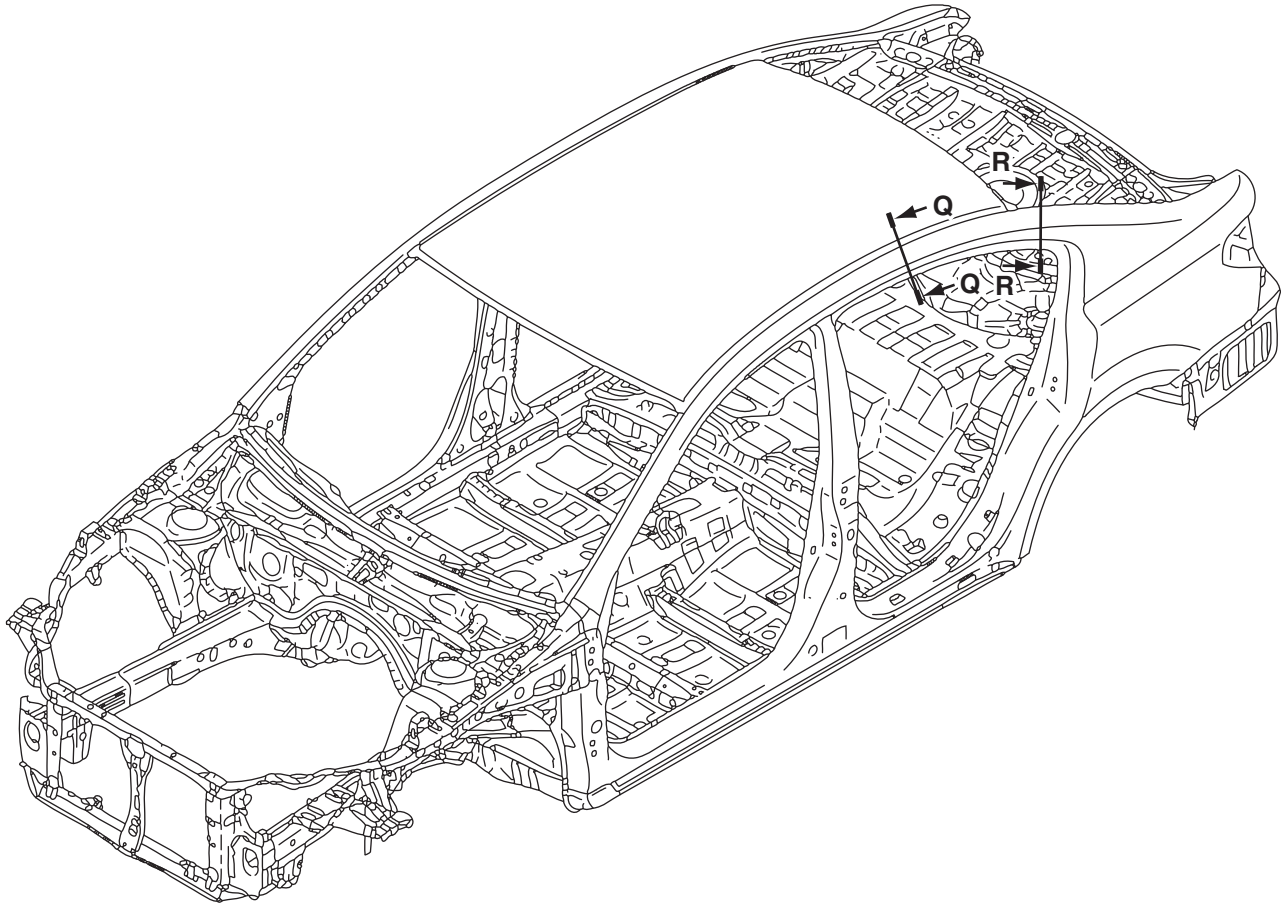
**Cross section P — P**



- (1) Quarter panel rear inner
- (2) Reinforcement D-pillar
- (3) Extension D-pillar
- (4) Panel side outer

## Body Construction

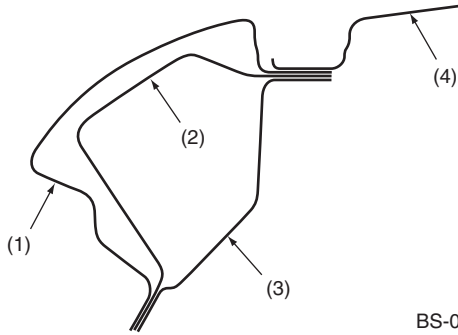
- Special sedan parts



BS-04545

# Body Construction

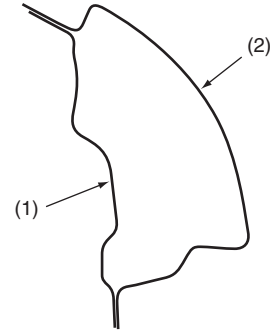
**Cross section Q — Q**



BS-04251

- (1) Panel side outer
- (2) Reinforcement rail side outer
- (3) Rail side inner
- (4) Roof panel

**Cross section R — R**



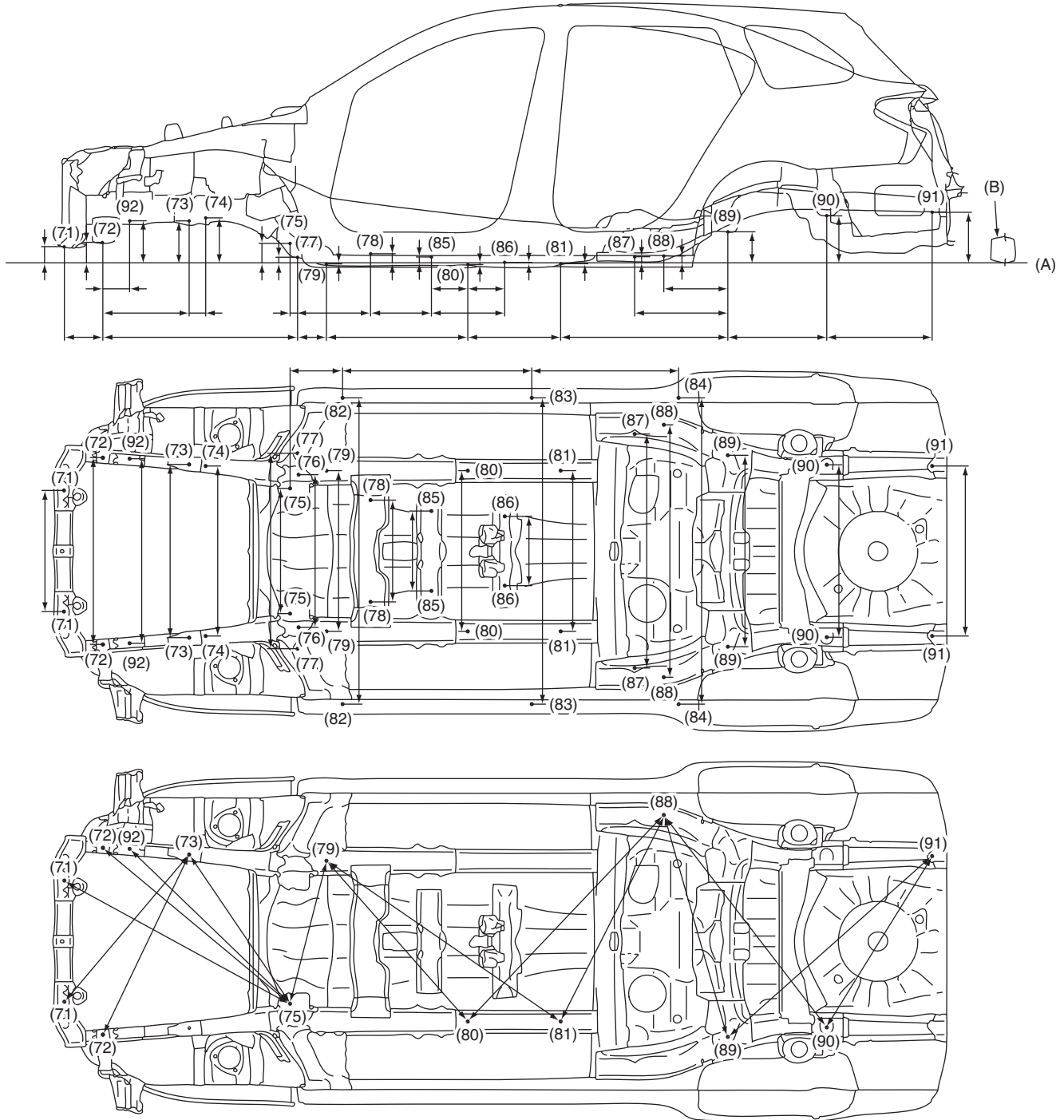
BS-04252

- (1) Pillar rear inner
- (2) Panel side outer

## 9. Body Reference Points

### A: DIMENSIONS

#### 1. LOWER SURFACE



BS-04451

- The longitudinal dimensions are projected dimensions.
- The height dimensions are the vertical distances from the gauge point on the assumed horizontal line through the side sill flange joint (bending angle point).
- Diagonal dimensions are the actual dimensions between reference points.

# Body Reference Points

(A) Standard line

(B) Side sill outer panel

- |                                                                 |                                                             |                                                                |
|-----------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------|
| (71) Front bumper bracket mounting hole (symmetrical)           | (78) L (MT&CVT(TR580)) Crossmember mounting hole, left side | (85) Gauge hole (symmetrical)                                  |
| (72) Cradle frame mounting hole (symmetrical), front            | (78) (AT&CVT(TR690)) Crossmember mounting hole              | (86) Exhaust cover mounting hole (symmetrical)                 |
| (73) Engine mounting bracket mounting hole (symmetrical), front | (79) Stiffener mounting hole (symmetrical)                  | (87) Hand brake bracket mounting hole (symmetrical)            |
| (74) Engine mounting bracket mounting hole (symmetrical), rear  | (80) Under cover mounting hole (symmetrical)                | (88) Rear suspension support frame mounting hole (symmetrical) |
| (75) Crossmember MT mounting hole (symmetrical)                 | (81) Under cover mounting hole (symmetrical)                | (89) Rear suspension crossmember mounting hole (symmetrical)   |
| (76) Cradle frame mounting hole (symmetrical), rear inside      | (82) Side spoiler mounting hole (symmetrical)               | (90) Rear suspension crossmember mounting hole (symmetrical)   |
| (77) Cradle frame mounting hole (symmetrical), rear outside     | (83) Side spoiler mounting hole (symmetrical)               | (91) Gauge hole relief hole (symmetrical)                      |
| (78) (MT&CVT(TR580)) Crossmember R mounting hole, right side    | (84) Side spoiler mounting hole (symmetrical)               | (92) Ground mounting hole                                      |

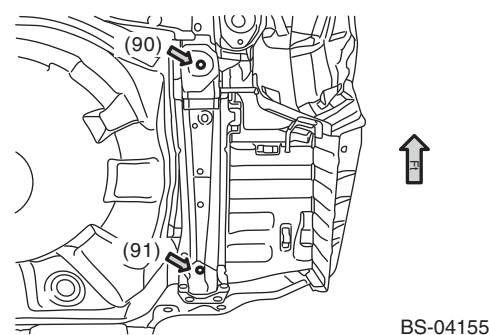
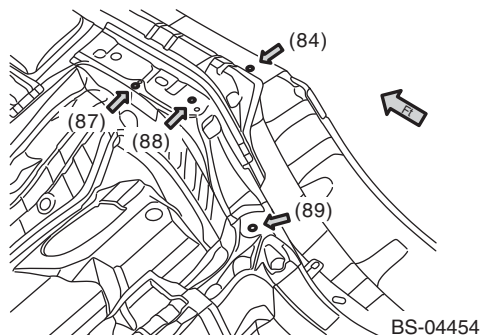
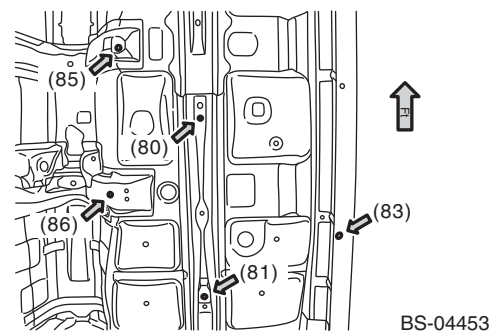
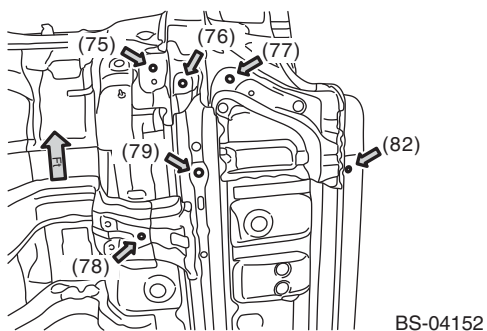
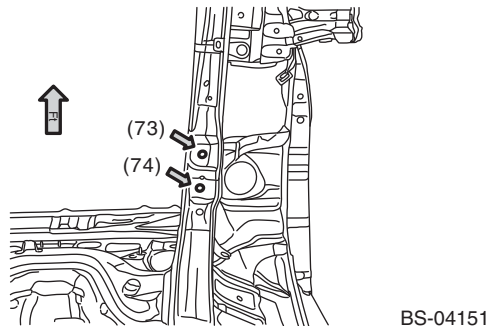
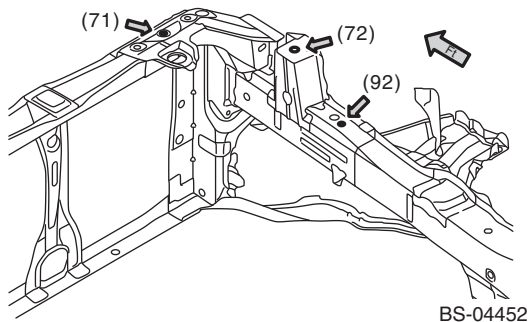
| Measuring point                      | Datum dimension<br>mm (in) | Projected dimensions<br>for reference mm (in) |
|--------------------------------------|----------------------------|-----------------------------------------------|
| Datum line — (71)                    | 81 (3.19)                  | —                                             |
| Datum line — (72)                    | 103 (4.06)                 | —                                             |
| Datum line — (73)                    | 209 (8.23)                 | —                                             |
| Datum line — (74)                    | 224 (8.82)                 | —                                             |
| Datum line — (75)                    | 98 (3.86)                  | —                                             |
| Datum line — (77)                    | 29 (1.14)                  | —                                             |
| Datum line — (78)<br>(MT&CVT(TR580)) | 46 (1.81)                  | —                                             |
| Datum line — (78)<br>(AT&CVT(TR690)) | 36 (1.42)                  | —                                             |
| Datum line — (79)                    | -8 (-0.31)                 | —                                             |
| Datum line — (80)                    | -8 (-0.31)                 | —                                             |
| Datum line — (81)                    | -3 (-0.12)                 | —                                             |
| Datum line — (85)                    | 30 (1.18)                  | —                                             |
| Datum line — (86)                    | 3 (0.12)                   | —                                             |
| Datum line — (87)                    | 32 (1.26)                  | —                                             |
| Datum line — (88)                    | 35 (1.38)                  | —                                             |
| Datum line — (89)                    | 155 (6.10)                 | —                                             |
| Datum line — (90)                    | 234 (9.21)                 | —                                             |
| Datum line — (91)                    | 252 (9.92)                 | —                                             |
| Datum line — (92)                    | 210 (8.27)                 | —                                             |
| (71) — (72)                          | 193 (7.60)                 | —                                             |
| (72) — (73)                          | 428 (16.85)                | —                                             |
| (72) — (77)                          | 965 (37.99)                | —                                             |
| (72) — (92)                          | 133 (5.24)                 | —                                             |
| (73) — (74)                          | 82 (3.23)                  | —                                             |
| (75) — (77)                          | 37 (1.46)                  | —                                             |
| (75) — (82)                          | 260 (10.24)                | —                                             |
| (77) — (78)<br>(MT&CVT(TR580))       | 262 (10.31)                | —                                             |
| (77) — (78)<br>(AT&CVT(TR690))       | 362 (14.25)                | —                                             |
| (77) — (79)                          | 201 (7.91)                 | —                                             |

| Measuring point                                          | Datum dimension<br>mm (in) | Projected dimensions<br>for reference mm (in) |
|----------------------------------------------------------|----------------------------|-----------------------------------------------|
| (78)<br>(MT&CVT(TR580))<br>— (85)                        | 402 (15.83)                | —                                             |
| (78)<br>(AT&CVT(TR690))<br>— (85)                        | 302 (11.89)                | —                                             |
| (79) — (80)                                              | 642 (25.28)                | —                                             |
| (80) — (81)                                              | 460 (18.11)                | —                                             |
| (80) — (85)                                              | 180 (7.09)                 | —                                             |
| (80) — (86)                                              | 183 (7.20)                 | —                                             |
| (81) — (89)                                              | 828 (32.60)                | —                                             |
| (82) — (83)                                              | 937 (36.89)                | —                                             |
| (83) — (84)                                              | 727 (28.62)                | —                                             |
| (85) — (86)                                              | 363 (14.29)                | —                                             |
| (87) — (89)                                              | 462 (18.19)                | —                                             |
| (88) — (89)                                              | 317 (12.48)                | —                                             |
| (89) — (90)                                              | 490 (19.29)                | —                                             |
| (90) — (91)                                              | 522 (20.55)                | —                                             |
| (71) R — (71) L                                          | 600 (23.62)                | —                                             |
| (72) R — (72) L                                          | 925 (36.42)                | —                                             |
| (73) R — (73) L                                          | 858 (33.78)                | —                                             |
| (74) R — (74) L                                          | 842 (33.15)                | —                                             |
| (75) R — (75) L                                          | 620 (24.41)                | —                                             |
| (76) R — (76) L                                          | 756 (29.76)                | —                                             |
| (77) R — (77) L                                          | 968 (38.11)                | —                                             |
| (78) R<br>(MT&CVT(TR580))<br>— (78) L<br>(MT&CVT(TR580)) | 529 (20.83)                | —                                             |
| (78) R<br>(AT&CVT(TR690))<br>— (78) L<br>(AT&CVT(TR690)) | 504 (19.84)                | —                                             |
| (79) R — (79) L                                          | 800 (31.50)                | —                                             |

## Body Reference Points

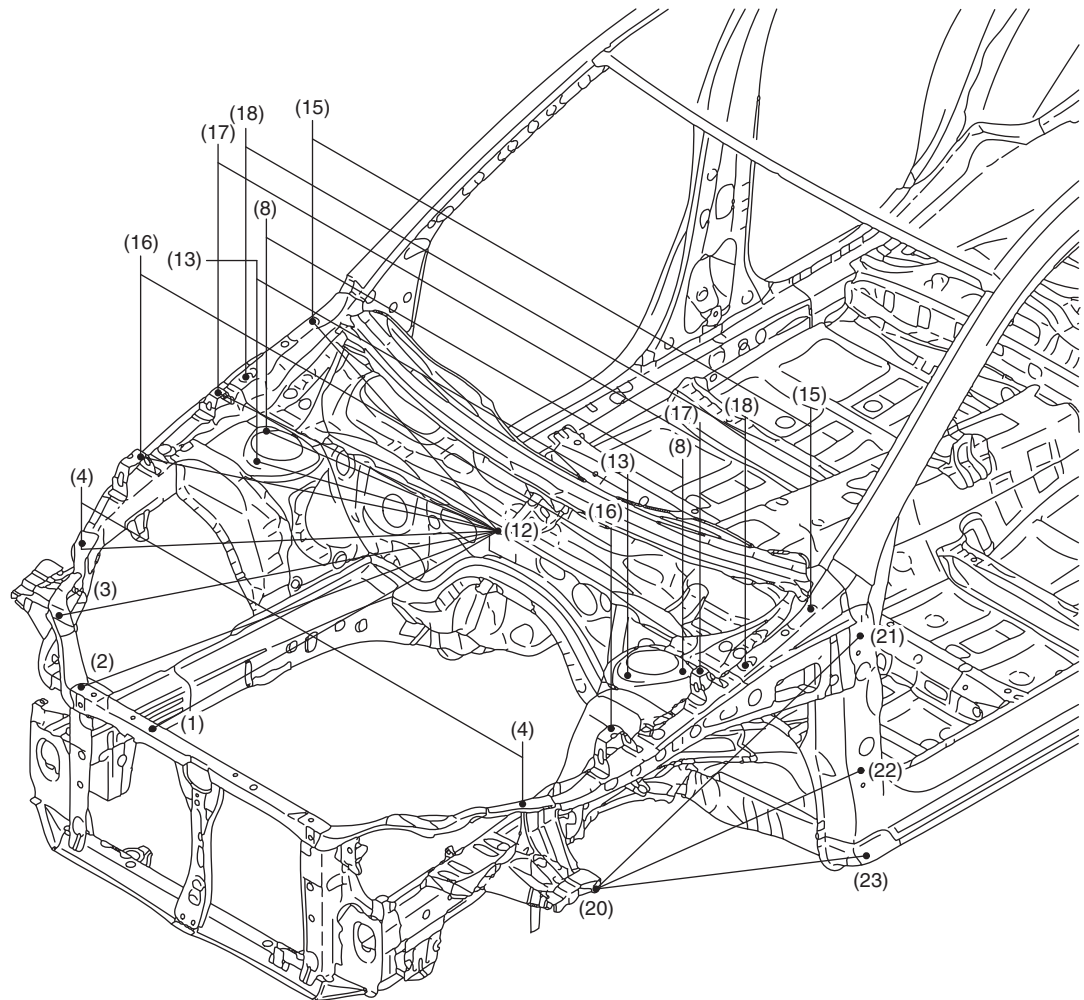
| Measuring point | Datum dimension<br>mm (in) | Projected dimensions<br>for reference mm (in) |
|-----------------|----------------------------|-----------------------------------------------|
| (80) R — (80) L | 796 (31.34)                | —                                             |
| (81) R — (81) L | 796 (31.34)                | —                                             |
| (82) R — (82) L | 1,517 (59.72)              | —                                             |
| (83) R — (83) L | 1,517 (59.72)              | —                                             |
| (84) R — (84) L | 1,517 (59.72)              | —                                             |
| (85) R — (85) L | 396 (15.59)                | —                                             |
| (86) R — (86) L | 343 (13.50)                | —                                             |
| (87) R — (87) L | 1,159 (45.63)              | —                                             |
| (88) R — (88) L | 1,250 (49.21)              | —                                             |
| (89) R — (89) L | 948 (37.32)                | —                                             |
| (90) R — (90) L | 854 (33.62)                | —                                             |
| (91) R — (91) L | 842 (33.15)                | —                                             |
| (92) R — (92) L | 914 (35.98)                | —                                             |
| (71) R — (73) L | 966 (38.03)                | 957 (37.68)                                   |

| Measuring point | Datum dimension<br>mm (in) | Projected dimensions<br>for reference mm (in) |
|-----------------|----------------------------|-----------------------------------------------|
| (71) L — (75) R | 1,275 (50.20)              | 1,275 (50.20)                                 |
| (72) R — (73) L | 994 (39.13)                | 989 (38.94)                                   |
| (72) L — (75) R | 1,207 (47.52)              | 1,207 (47.52)                                 |
| (73) L — (75) R | 899 (35.39)                | 892 (35.12)                                   |
| (75) R — (79) L | 756 (29.76)                | 749 (29.49)                                   |
| (75) R — (92) L | 1,110 (43.70)              | 1,105 (43.50)                                 |
| (79) L — (80) R | 1,024 (40.31)              | 1,024 (40.31)                                 |
| (79) L — (81) R | 1,361 (53.58)              | 1,361 (53.58)                                 |
| (80) R — (88) L | 1,411 (55.55)              | 1,410 (55.51)                                 |
| (81) R — (88) L | 1,144 (45.04)              | 1,144 (45.04)                                 |
| (88) L — (89) R | 1,150 (45.28)              | 1,144 (45.04)                                 |
| (88) L — (90) R | 1,341 (52.80)              | 1,326 (52.20)                                 |
| (89) R — (91) L | 1,354 (53.31)              | 1,351 (53.19)                                 |
| (90) R — (91) L | 996 (39.21)                | 996 (39.21)                                   |



# Body Reference Points

## 2. FRONT 1



BS-04455

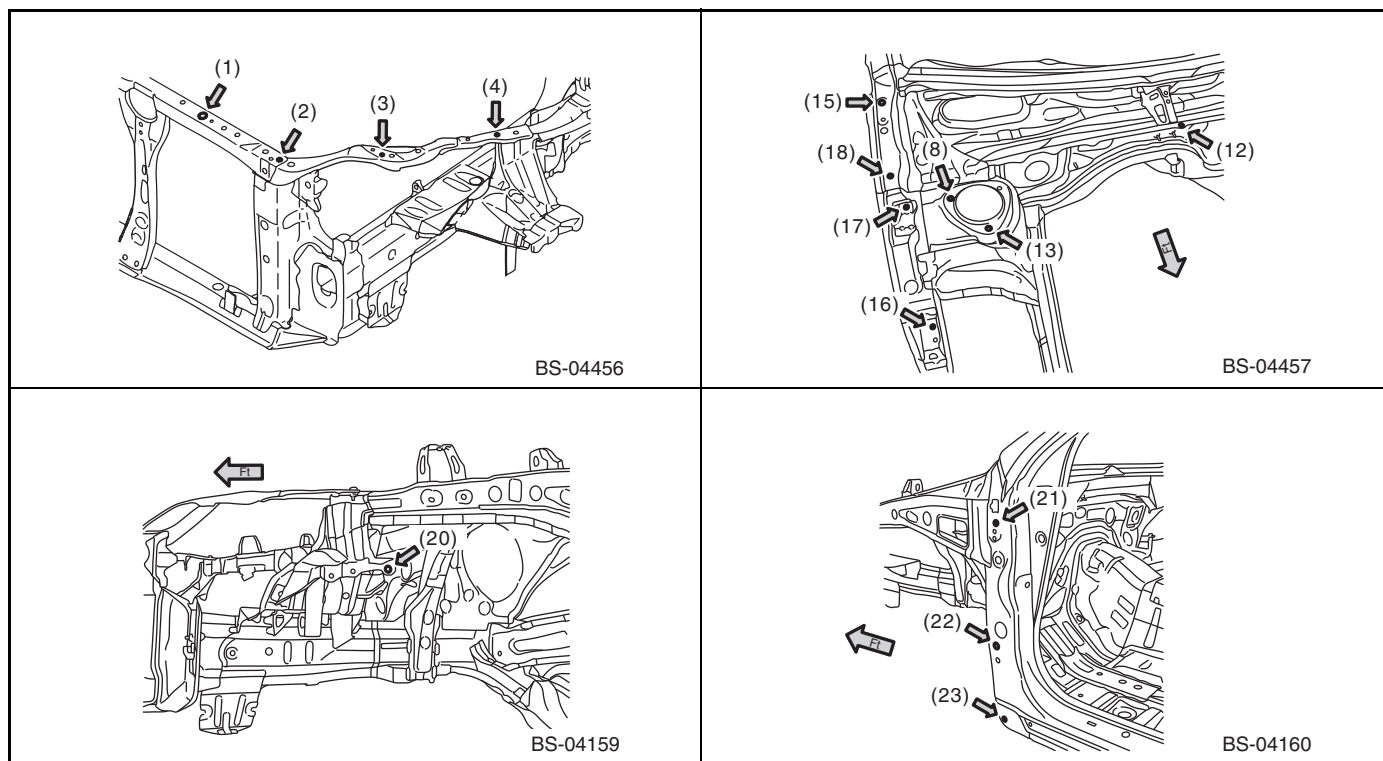
- |                                                                |                                                          |                                                                     |
|----------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------|
| (1) Location hole for stamping (symmetrical)                   | (12) Cowl panel mounting hole (body center)              | (18) Manufacturer assemblies hole (symmetrical)                     |
| (2) Radiator upper frame mounting hole (symmetrical)           | (13) Front suspension mounting hole (symmetrical), front | (20) Fender mounting hole (symmetrical), rear                       |
| (3) Headlight mounting hole (symmetrical)                      | (15) Hood hinge mounting hole (symmetrical), rear        | (21) Front door hinge upper mounting hole (symmetrical), upper side |
| (4) Manufacturer assemblies hole (symmetrical)                 | (16) Fender mounting hole (symmetrical)                  | (22) Front door hinge lower mounting hole (symmetrical), upper side |
| (8) Front suspension mounting hole (symmetrical), rear outside | (17) Fender mounting hole (symmetrical)                  | (23) Fender mounting hole (symmetrical), front                      |

## Body Reference Points

| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (1) R — (12)    | 930 (36.61)             |
| (2) R — (12)    | 991 (39.02)             |
| (3) R — (12)    | 973 (38.31)             |
| (4) R — (4) L   | 1,353 (53.27)           |
| (4) R — (12)    | 909 (35.79)             |
| (8) R — (8) L   | 1,276 (50.24)           |
| (8) R — (12)    | 642 (25.28)             |
| (12) — (13) R   | 593 (23.35)             |
| (12) — (15) R   | 792 (31.18)             |
| (12) — (16) R   | 813 (32.01)             |

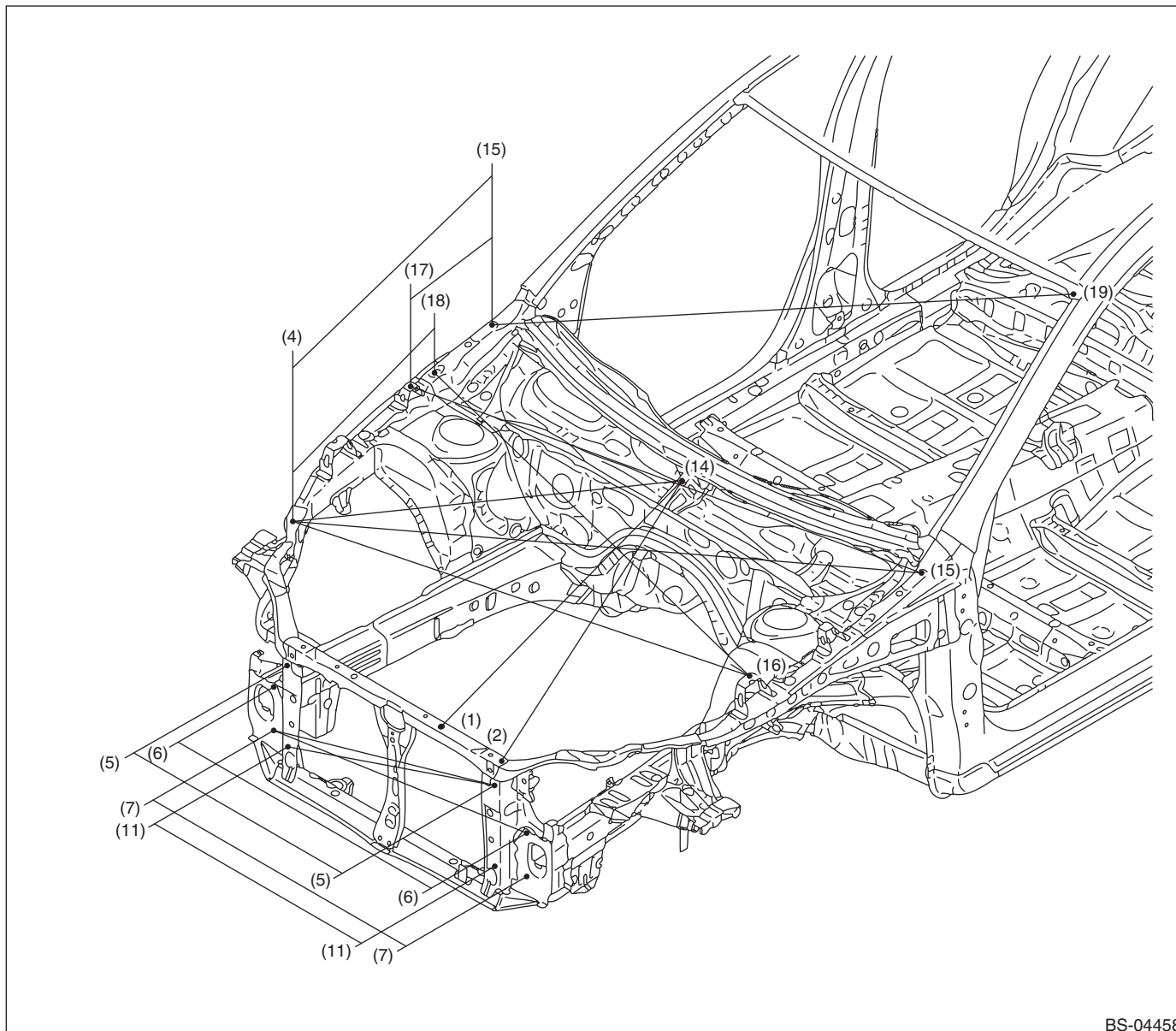
| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (12) — (17) R   | 751 (29.57)             |
| (13) R — (13) L | 1,137 (44.76)           |
| (15) R — (15) L | 1,528 (60.16)           |
| (16) R — (16) L | 1,443 (56.81)           |
| (17) R — (17) L | 1,478 (58.19)           |
| (18) R — (18) L | 1,532 (60.31)           |
| (20) L — (21) L | 892 (35.12)             |
| (20) L — (22) L | 870 (34.25)             |
| (20) L — (23) L | 955 (37.60)             |

- The reference points (1) and (12) are at the body center, while the other reference points are left-right symmetrical.
- The dimensions are the actual dimensions between the reference points.



# Body Reference Points

## 3. FRONT 2



BS-04458

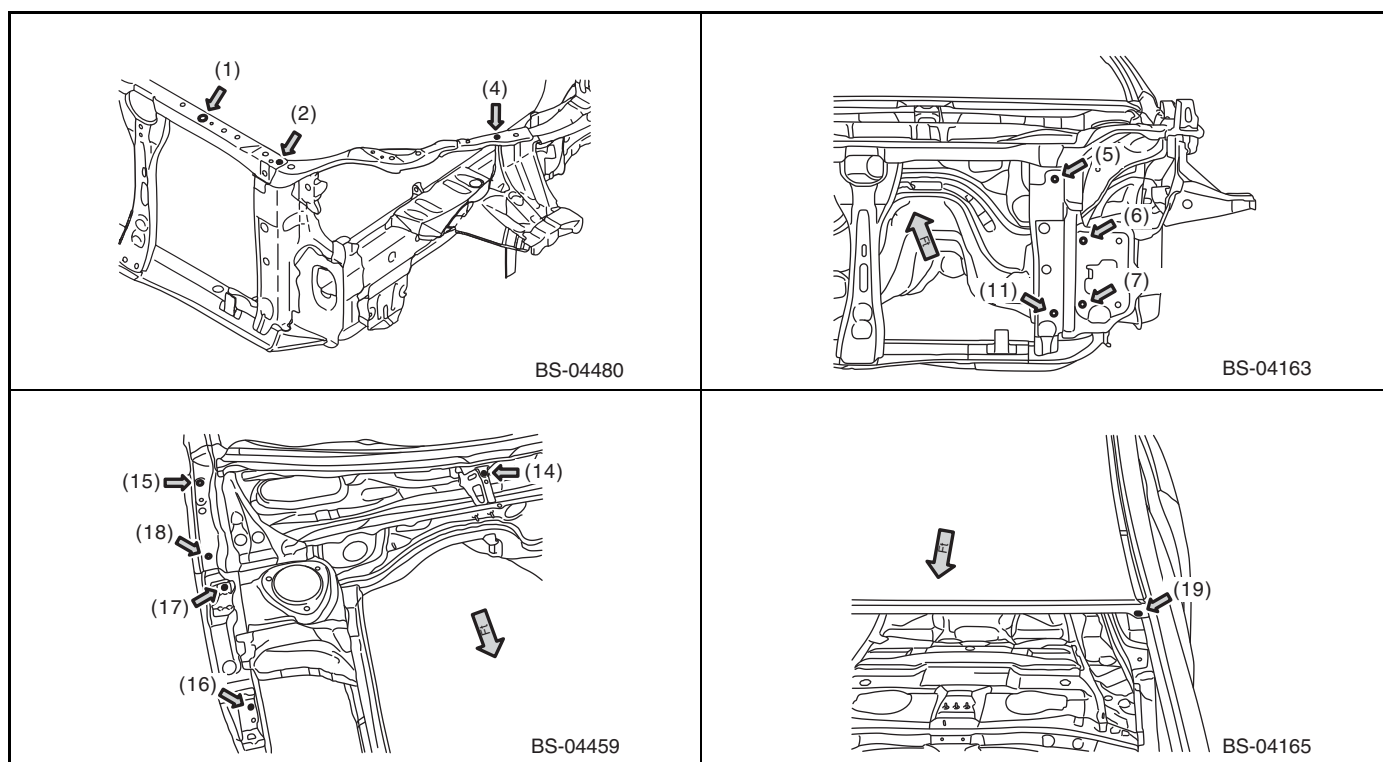
- |                                                               |                                                               |                                                            |
|---------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------|
| (1) Location hole for stamping (symmetrical)                  | (7) Front bumper beam mounting hole (symmetrical), lower side | (17) Fender mounting hole (symmetrical)                    |
| (2) Radiator upper frame mounting hole (symmetrical)          | (11) Manufacturer assemblies hole (symmetrical)               | (18) Manufacturer assemblies hole (symmetrical)            |
| (4) Manufacturer assemblies hole (symmetrical)                | (14) Wiper mounting hole (body center)                        | (19) Front glass installation reference hole (symmetrical) |
| (5) Corner bracket mounting hole (symmetrical)                | (15) Hood hinge mounting hole (symmetrical), rear             |                                                            |
| (6) Front bumper beam mounting hole (symmetrical), upper side | (16) Fender mounting hole (symmetrical)                       |                                                            |

## Body Reference Points

| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (1) L — (14)    | 1,038 (40.87)           |
| (2) L — (14)    | 1,093 (43.03)           |
| (4) R — (14)    | 985 (38.78)             |
| (4) R — (15) R  | 817 (32.17)             |
| (4) R — (15) L  | 1,654 (65.12)           |
| (4) R — (16) L  | 1,420 (55.91)           |
| (4) R — (18) R  | 611 (24.06)             |
| (5) R — (5) L   | 738 (29.06)             |
| (5) L — (7) R   | 859 (33.82)             |

| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (5) L — (11) R  | 778 (30.63)             |
| (6) R — (6) L   | 900 (35.43)             |
| (6) L — (7) R   | 910 (35.83)             |
| (7) R — (7) L   | 900 (35.43)             |
| (11) R — (11) L | 736 (28.98)             |
| (15) R — (17) R | 316 (12.44)             |
| (15) L — (17) R | 1,536 (60.47)           |
| (15) R — (19) L | 1,589 (62.56)           |
| (16) L — (18) R | 1,532 (60.31)           |

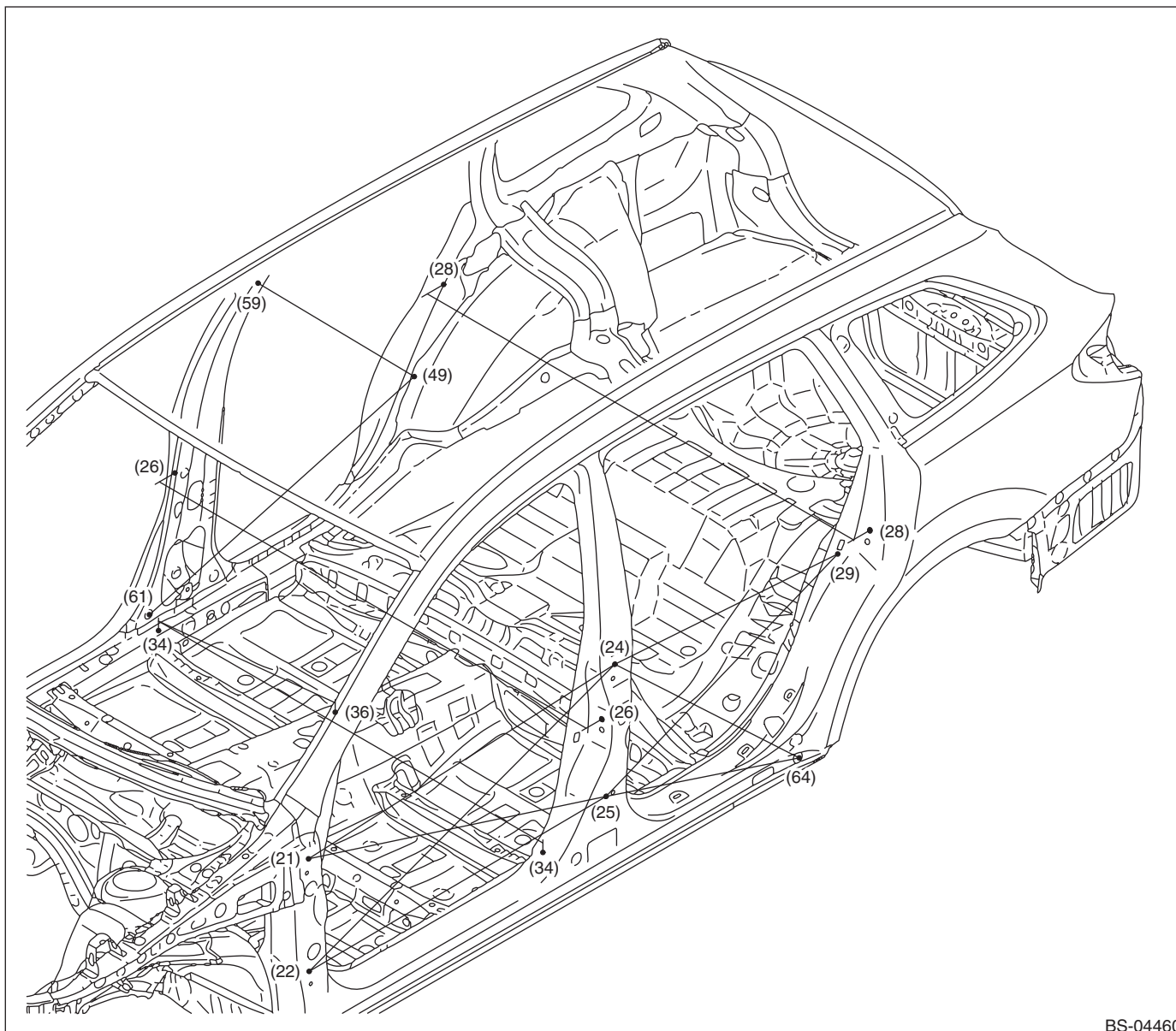
- The reference points (1) and (14) are at the body center, while the other reference points are left-right symmetrical.
- The dimensions are the actual dimensions between the reference points.



# Body Reference Points

## 4. INSIDE 1

- Common for OUTBACK and sedan



BS-04460

- |                                                                     |                                                                |                                                 |
|---------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------|
| (21) Front door hinge upper mounting hole (symmetrical), upper side | (28) Rear door striker mounting hole (symmetrical), upper side | (59) Curtain airbag mounting hole (symmetrical) |
| (22) Front door hinge lower mounting hole (symmetrical), upper side | (29) Rear door switch mounting hole (symmetrical)              | (61) Trim clip mounting hole (symmetrical)      |
| (24) Rear door hinge upper mounting hole (symmetrical), upper side  | (34) Harness clip mounting hole (symmetrical)                  | (64) Side spoiler mounting hole (symmetrical)   |
| (25) Rear door hinge lower mounting hole (symmetrical), front       | (36) Harness holding clip attachment hole (symmetrical)        |                                                 |
| (26) Front door striker mounting hole (symmetrical), upper side     | (49) Rear airbag sensor detent hole (symmetrical)              |                                                 |

| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (21) L — (24) L | 1,128 (44.41)           |
| (21) L — (25) L | 1,129 (44.45)           |
| (22) L — (24) L | 1,202 (47.32)           |

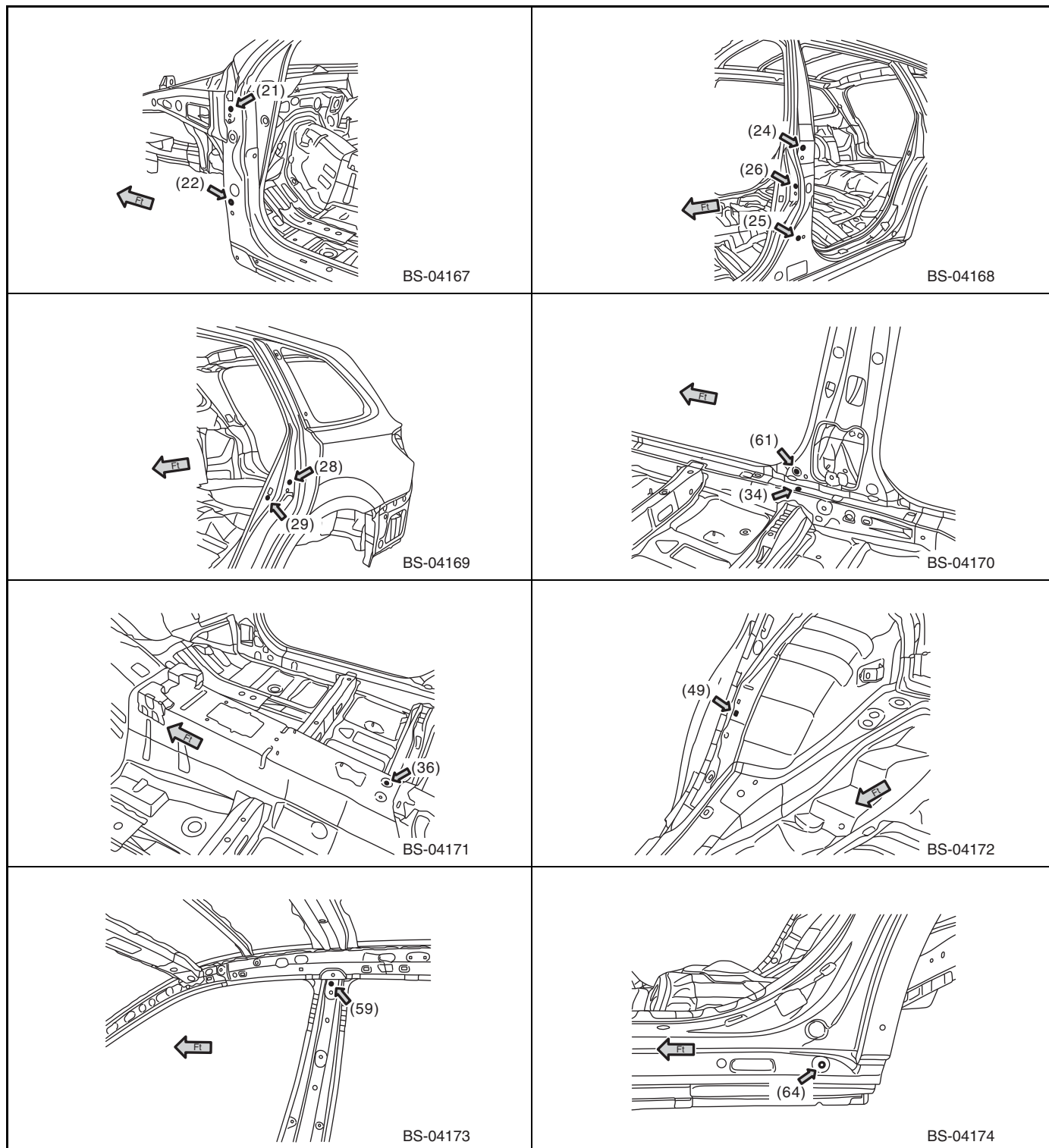
| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (22) L — (25) L | 1,084 (42.68)           |
| (24) L — (29) L | 882 (34.72)             |
| (24) L — (64) L | 894 (35.20)             |

## Body Reference Points

| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (25) L — (29) L | 963 (37.91)             |
| (25) L — (64) L | 735 (28.94)             |
| (26) R — (26) L | 1,564 (61.57)           |
| (28) R — (28) L | 1,562 (61.50)           |

| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (34) R — (34) L | 1,409 (55.47)           |
| (34) R — (36) R | 681 (26.81)             |
| (49) R — (59) R | 1,022 (40.24)           |
| (49) R — (61) R | 1,017 (40.04)           |

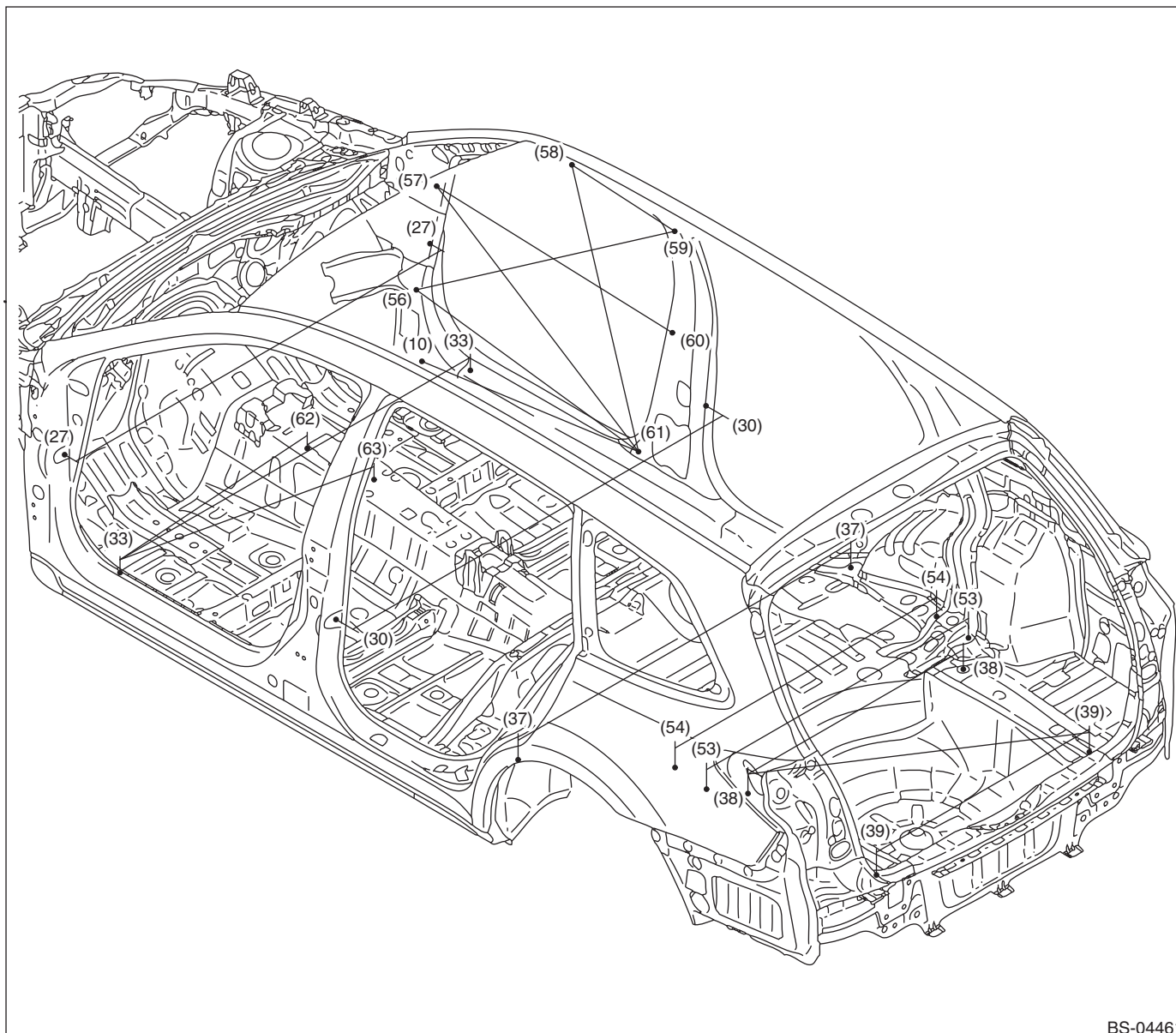
- All reference points are left-right symmetrical.
- The dimensions are the actual dimensions between the reference points.



## Body Reference Points

### 5. INSIDE 2

- Common for OUTBACK and sedan



BS-04461

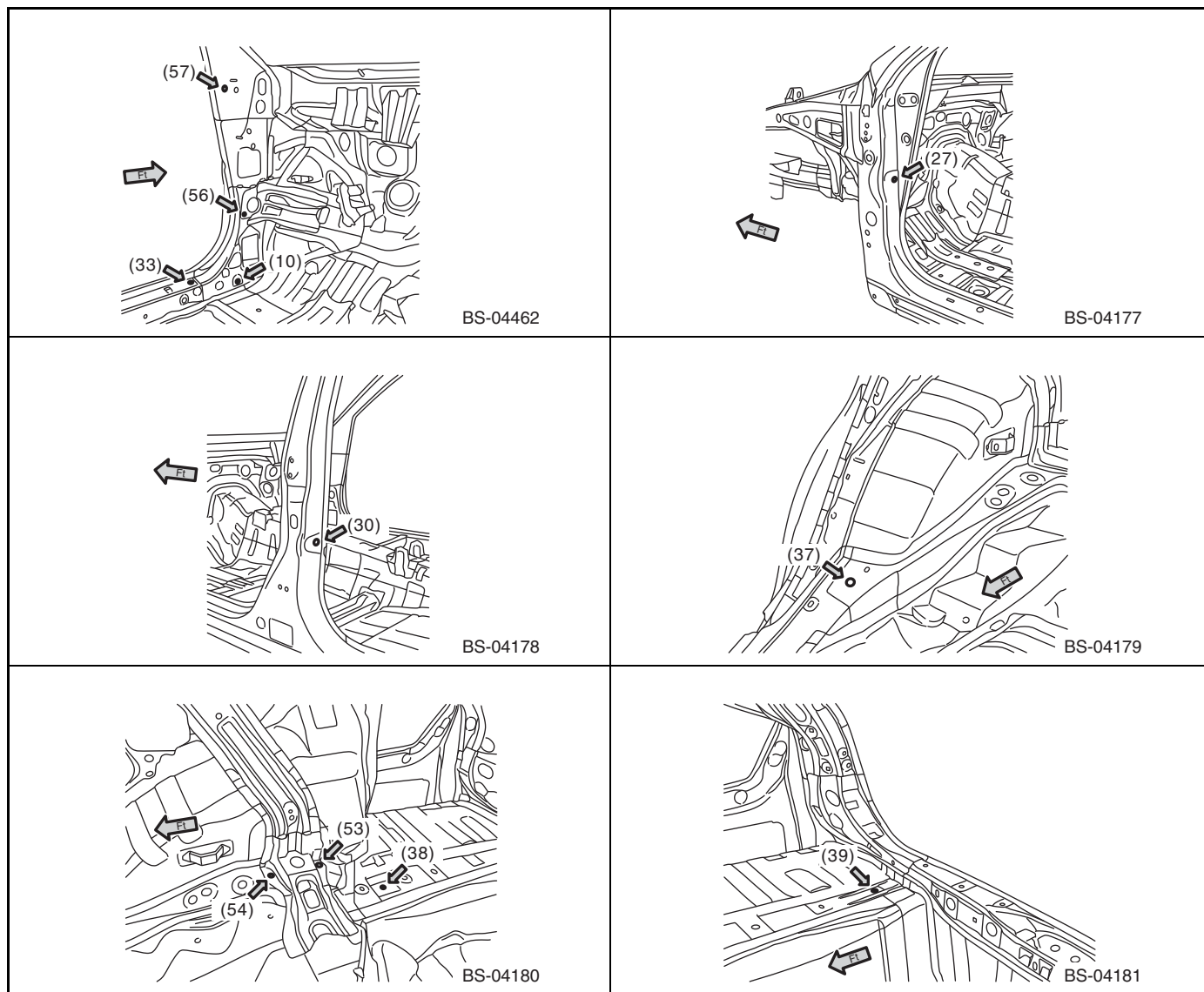
|                                                     |                                                         |                                                   |
|-----------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|
| (10) Gauge hole (symmetrical)                       | (39) Gauge hole (symmetrical)                           | (59) Curtain airbag mounting hole (symmetrical)   |
| (27) Front door checker mounting hole (symmetrical) | (53) Rear suspension mounting hole (symmetrical), rear  | (60) Trim clip mounting hole (symmetrical)        |
| (30) Rear door checker mounting hole (symmetrical)  | (54) Rear suspension mounting hole (symmetrical), front | (61) Trim clip mounting hole (symmetrical)        |
| (33) Harness clip mounting hole (symmetrical)       | (56) Side sill cover mounting hole (symmetrical)        | (62) Shift case mounting hole (symmetrical)       |
| (37) Belt anchor mounting hole (symmetrical)        | (57) Steering beam mounting hole (symmetrical)          | (63) Tunnel insulator mounting hole (body center) |
| (38) Floor mat mounting hole (symmetrical)          | (58) Assist bracket mounting hole (symmetrical)         |                                                   |

## Body Reference Points

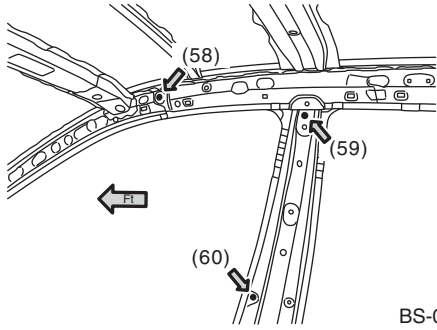
| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (10) R — (61) R | 850 (33.46)             |
| (27) R — (27) L | 1,493 (58.78)           |
| (30) R — (30) L | 1,512 (59.53)           |
| (33) R — (33) L | 1,431 (56.34)           |
| (33) L — (62) L | 689 (27.13)             |
| (33) L — (63)   | 796 (31.34)             |
| (37) R — (37) L | 1,359 (53.50)           |
| (38) R — (38) L | 880 (34.65)             |
| (38) L — (39) R | 1,018 (40.08)           |

| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (39) R — (39) L | 870 (34.25)             |
| (53) R — (53) L | 1,070 (42.13)           |
| (54) R — (54) L | 1,069 (42.09)           |
| (56) R — (59) R | 1,439 (56.65)           |
| (56) R — (61) R | 900 (35.43)             |
| (57) R — (60) R | 961 (37.83)             |
| (57) R — (61) R | 976 (38.43)             |
| (58) R — (59) R | 412 (16.22)             |
| (58) R — (61) R | 1,032 (40.63)           |

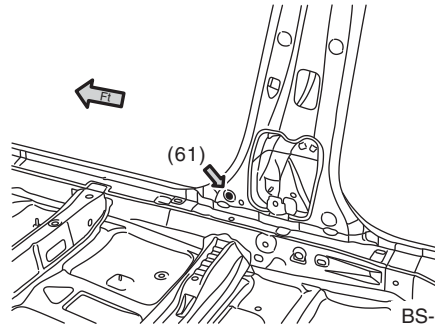
- The reference point (63) is at the body center, while the other reference points are left-right symmetrical.
- The dimensions are the actual dimensions between the reference points.



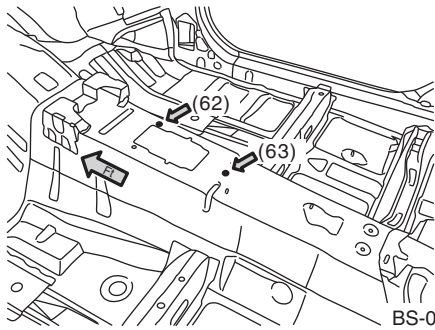
## Body Reference Points



BS-04182



BS-04183



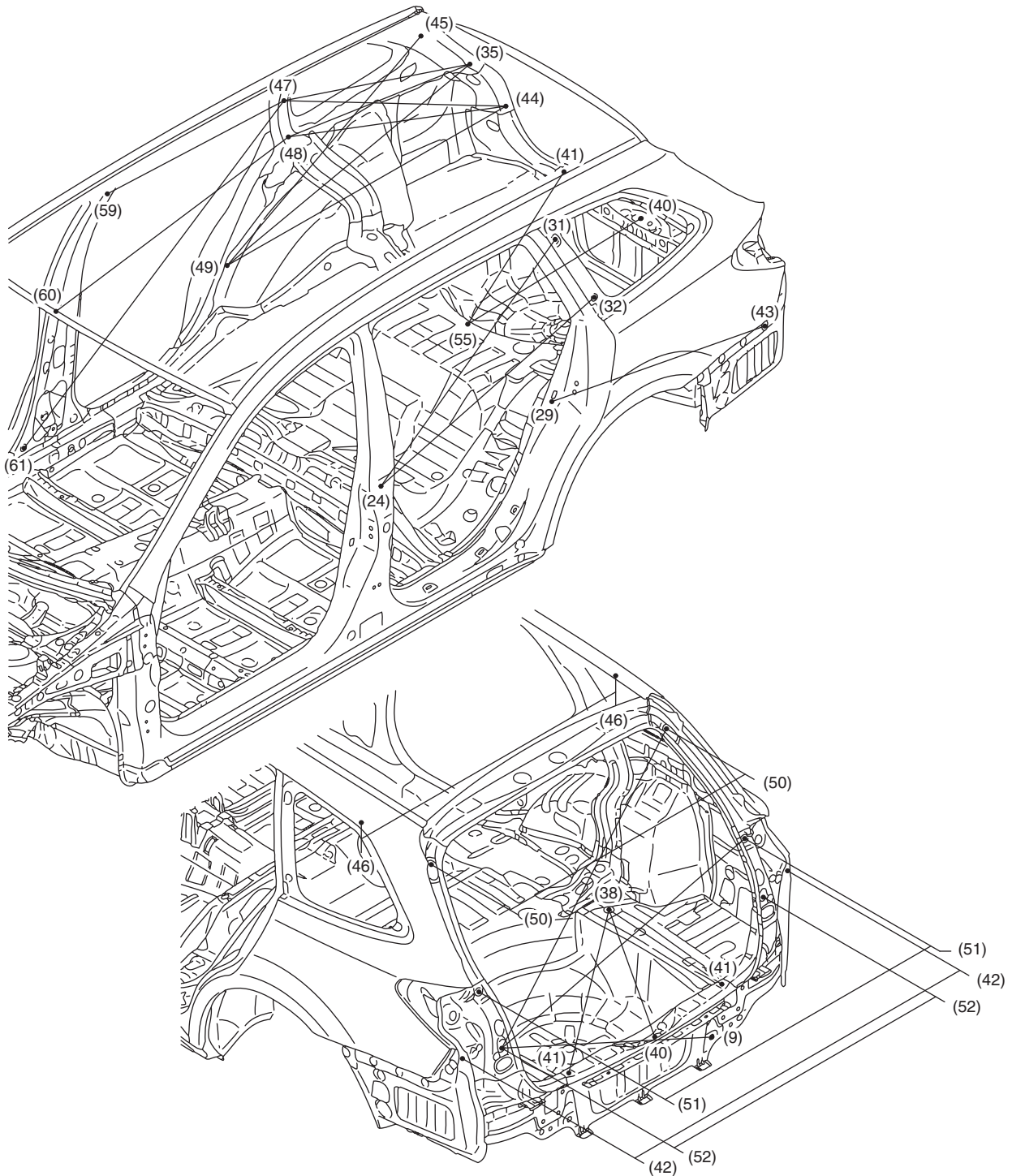
BS-04184

SUBARU.

# Body Reference Points

## 6. INSIDE & REAR 1

- Special for OUTBACK



BS-04463

## Body Reference Points

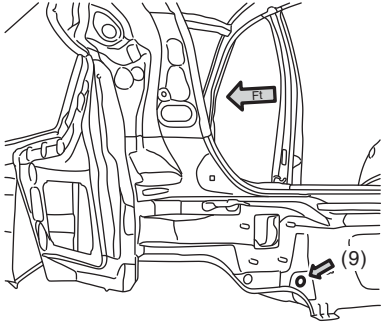
|                                                                    |                                                                  |                                                                     |
|--------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|
| (9) Transport hole (symmetrical)                                   | (41) Trim clip mounting hole (symmetrical)                       | (49) Rear airbag sensor detent hole (symmetrical)                   |
| (24) Rear door hinge upper mounting hole (symmetrical), upper side | (42) Rear bumper registration pin hole (symmetrical)             | (50) Rear gate stay mounting hole (symmetrical), upper side         |
| (29) Rear door switch mounting hole (symmetrical)                  | (43) Rear bumper mounting hole (symmetrical)                     | (51) Rear combination light mounting hole (symmetrical), upper side |
| (31) Rear quarter glass mounting hole (symmetrical), front upper   | (44) Trim clip mounting hole (symmetrical)                       | (52) Rear bumper bracket mounting hole (symmetrical)                |
| (32) Rear quarter glass mounting hole (symmetrical), front lower   | (45) Trim clip mounting hole (symmetrical)                       | (55) Floor mat mounting hole (symmetrical)                          |
| (35) Tonneau cover mounting hole (symmetrical)                     | (46) Drain hose mounting hole (symmetrical)                      | (59) Curtain airbag mounting hole (symmetrical)                     |
| (38) $\phi 8$ hole (symmetrical)                                   | (47) Show anchor bracket mounting hole (symmetrical), upper side | (60) Trim clip mounting hole (symmetrical)                          |
| (40) Striker mounting hole (symmetrical)                           | (48) Show anchor bracket mounting hole (symmetrical), lower side | (61) Trim clip mounting hole (symmetrical)                          |

| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (9) R — (52) L  | 1,052 (41.42)           |
| (24) L — (31) L | 1,092 (42.99)           |
| (24) L — (32) L | 1,097 (43.19)           |
| (29) L — (43) L | 942 (37.09)             |
| (35) R — (47) R | 877 (34.53)             |
| (35) R — (48) R | 755 (29.72)             |
| (35) R — (49) R | 1,107 (43.58)           |
| (38) R — (40) R | 762 (30.00)             |
| (38) R — (41) L | 1,014 (39.92)           |
| (38) L — (41) L | 619 (24.37)             |
| (40) R — (55)   | 849 (33.43)             |
| (41) R — (55)   | 904 (35.59)             |
| (42) R — (42) L | 1,554 (61.18)           |

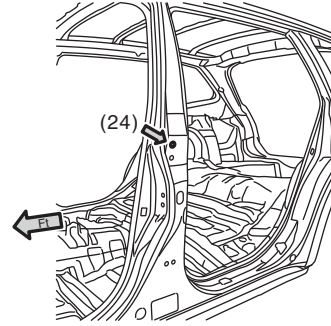
| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (44) R — (47) R | 1,104 (43.46)           |
| (44) R — (48) R | 939 (36.97)             |
| (44) R — (49) R | 1,199 (47.20)           |
| (45) R — (49) R | 1,017 (40.04)           |
| (46) R — (46) L | 1,216 (47.87)           |
| (47) R — (59) R | 907 (35.71)             |
| (47) R — (61) R | 1,472 (57.95)           |
| (48) R — (60) R | 1,135 (44.68)           |
| (50) R — (50) L | 1,124 (44.25)           |
| (50) R — (52) L | 1,360 (53.54)           |
| (51) R — (51) L | 1,270 (50.00)           |
| (51) R — (52) L | 1,278 (50.31)           |
| (52) R — (52) L | 1,250 (49.21)           |

- The reference point (55) is at the body center, while the other reference points are left-right symmetrical.
- The dimensions are the actual dimensions between the reference points.

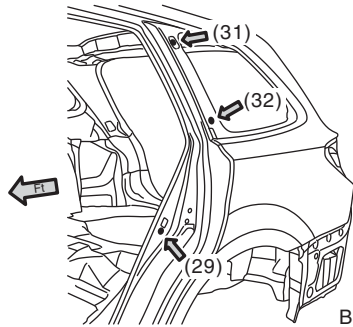
# Body Reference Points



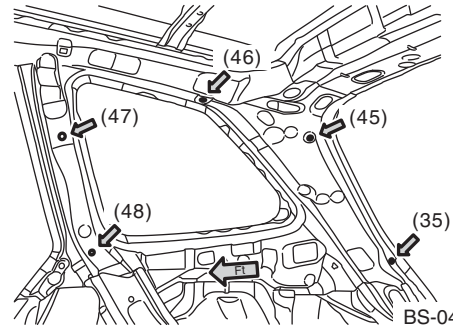
BS-04464



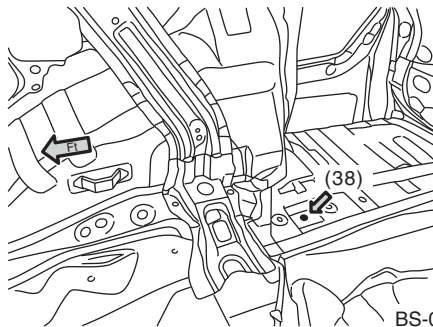
BS-04187



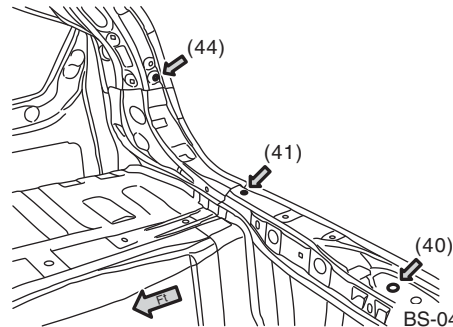
BS-04188



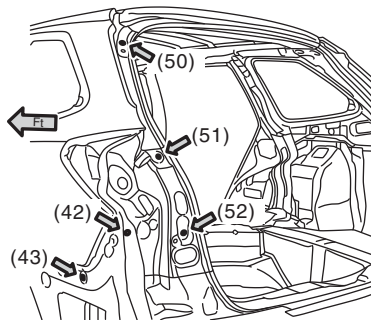
BS-04189



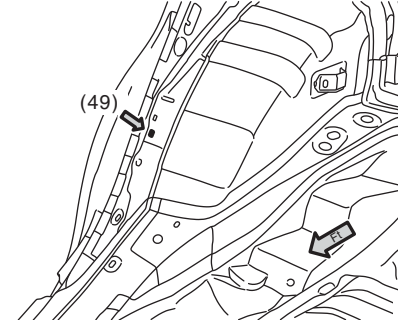
BS-04190



BS-04191

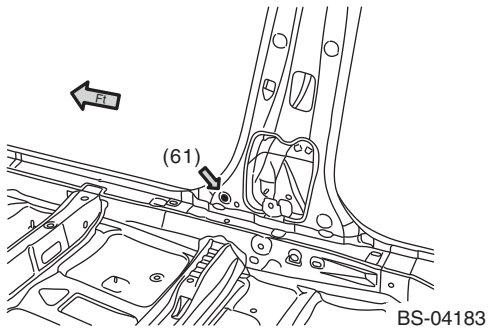
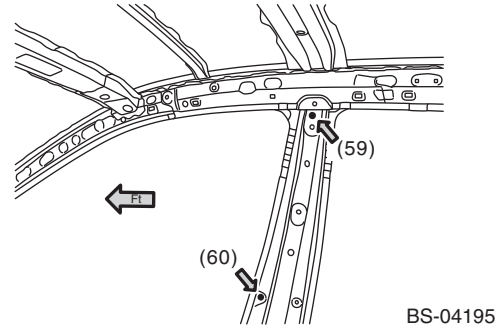
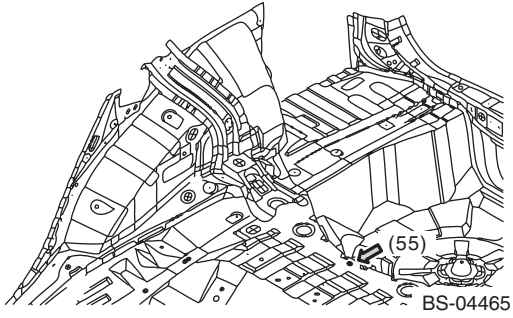


BS-04192



BS-04172

## Body Reference Points

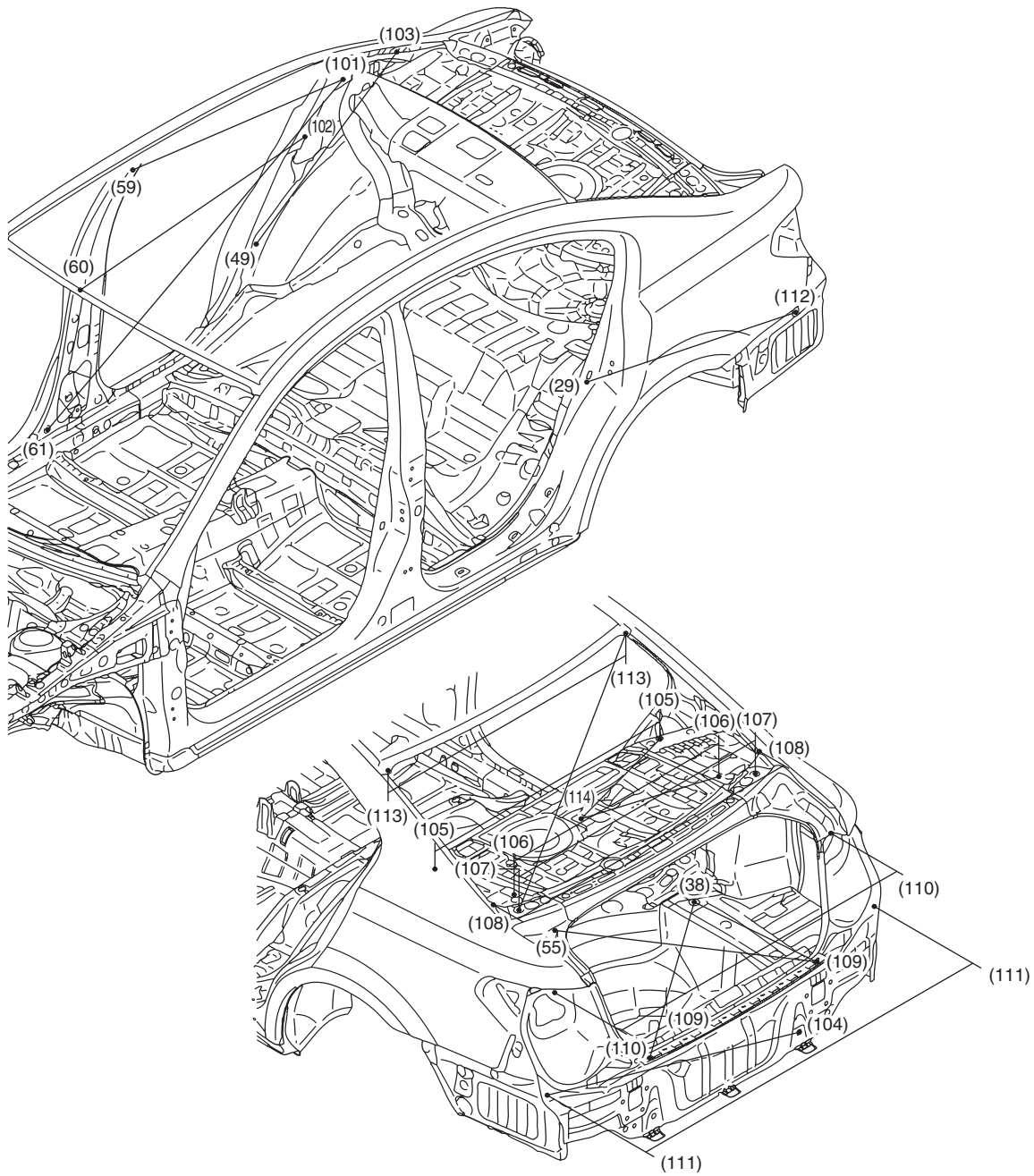


SUBARU.

# Body Reference Points

## 7. INSIDE & REAR 2

- Special for sedan



BS-04466

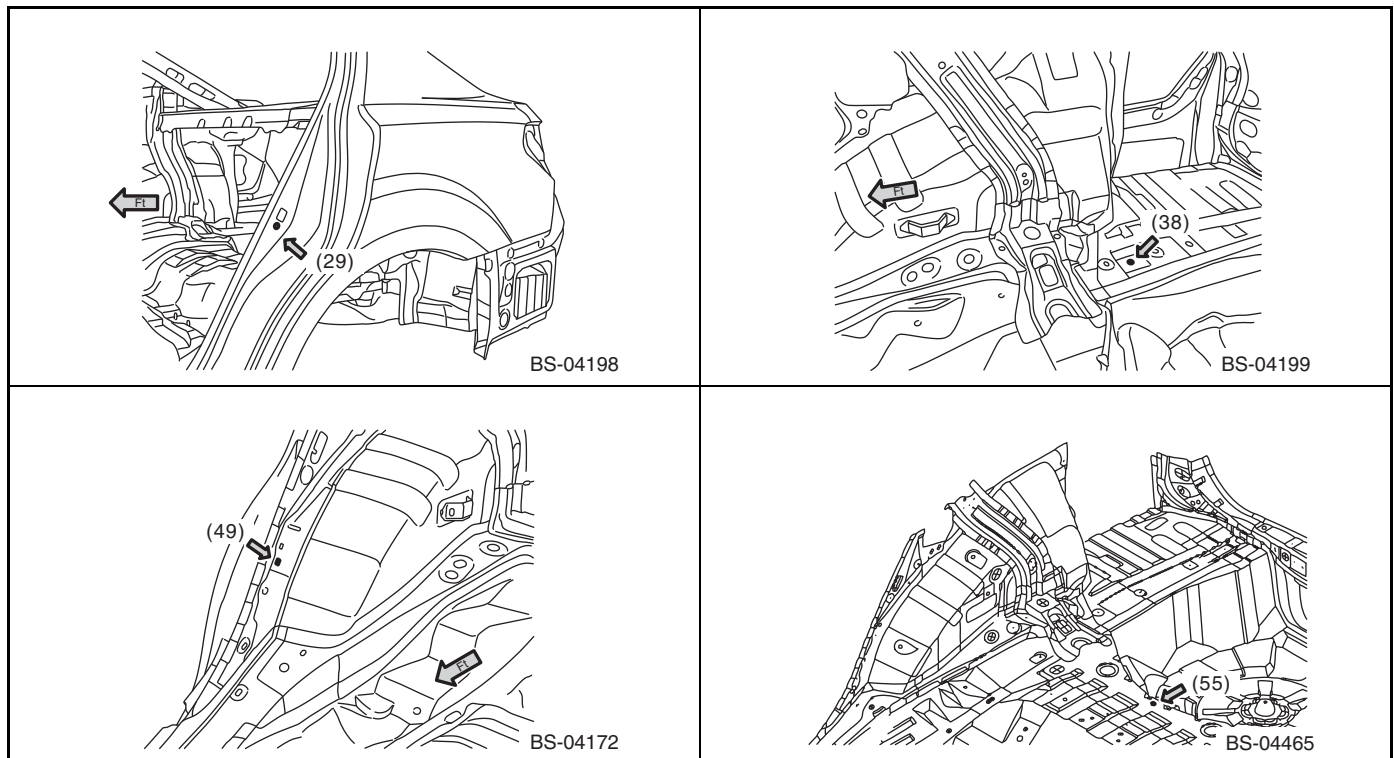
## Body Reference Points

|                                                   |                                                    |                                                            |
|---------------------------------------------------|----------------------------------------------------|------------------------------------------------------------|
| (29) Rear door switch mounting hole (symmetrical) | (101) Belt mounting hole (symmetrical)             | (108) Gauge hole (symmetrical)                             |
| (38) $\phi 8$ hole (symmetrical)                  | (102) Trim clip mounting hole (symmetrical)        | (109) Manufacturer assemblies hole (symmetrical)           |
| (49) Rear airbag sensor detent hole (symmetrical) | (103) Trim clip mounting hole (symmetrical)        | (110) Rear combination light mounting hole (symmetrical)   |
| (55) Floor mat mounting hole (symmetrical)        | (104) Transport hole (symmetrical)                 | (111) Rear bumper registration pin hole (symmetrical)      |
| (59) Curtain airbag mounting hole (symmetrical)   | (105) Rear shelf mounting hole (symmetrical)       | (112) Rear bumper mounting hole (symmetrical)              |
| (60) Trim clip mounting hole (symmetrical)        | (106) Noise suppressor mounting hole (symmetrical) | (113) Rear glass installation reference hole (symmetrical) |
| (61) Trim clip mounting hole (symmetrical)        | (107) Gauge hole (symmetrical)                     | (114) Child anchor mounting hole (body center)             |

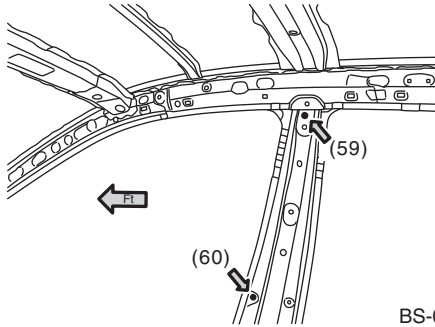
| Measuring point   | Datum dimension mm (in) |
|-------------------|-------------------------|
| (29) L — (112) L  | 895 (35.24)             |
| (38) R — (109) R  | 631 (24.84)             |
| (38) R — (109) L  | 1,041 (40.98)           |
| (49) R — (103) R  | 789 (31.06)             |
| (55) R — (109) R  | 926 (36.46)             |
| (59) R — (101) L  | 1,080 (42.52)           |
| (60) R — (102) R  | 1,053 (41.46)           |
| (61) R — (101) R  | 1,544 (60.79)           |
| (104) R — (111) L | 1,138 (44.80)           |
| (105) R — (105) L | 1,053 (41.46)           |

| Measuring point   | Datum dimension mm (in) |
|-------------------|-------------------------|
| (105) R — (114)   | 550 (21.65)             |
| (106) R — (106) L | 958 (37.72)             |
| (106) R — (114)   | 507 (19.96)             |
| (107) R — (107) L | 1,106 (43.54)           |
| (107) L — (113) R | 1,292 (50.87)           |
| (108) R — (108) L | 1,240 (48.82)           |
| (110) R — (110) L | 1,292 (50.87)           |
| (111) R — (111) L | 1,530 (60.24)           |
| (113) R — (113) L | 1,112 (43.78)           |

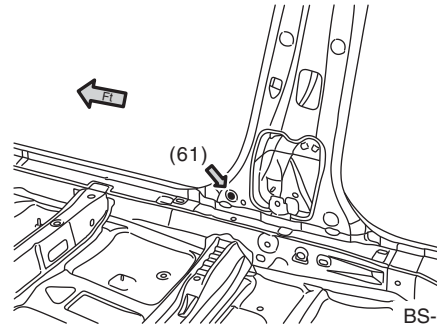
- The reference points (55) and (114) are at the body center, while the other reference points are left-right symmetrical.
- The dimensions are the actual dimensions between the reference points.



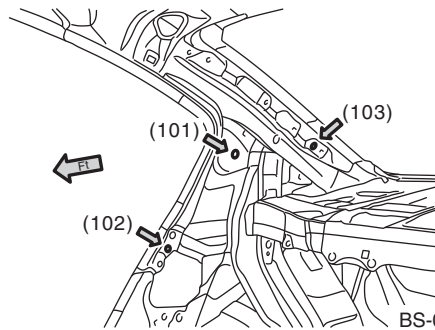
# Body Reference Points



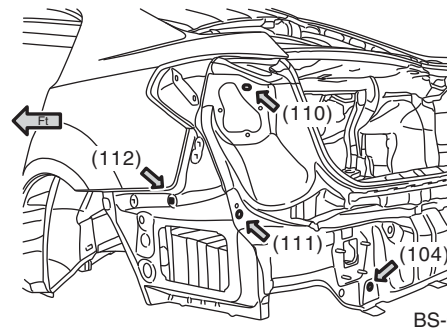
BS-04195



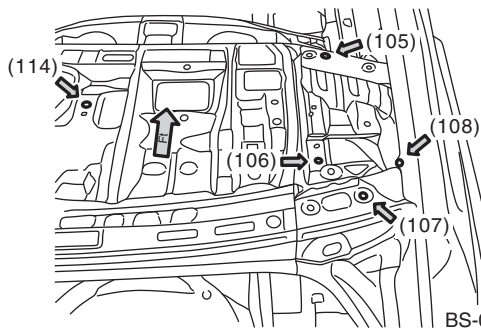
BS-04196



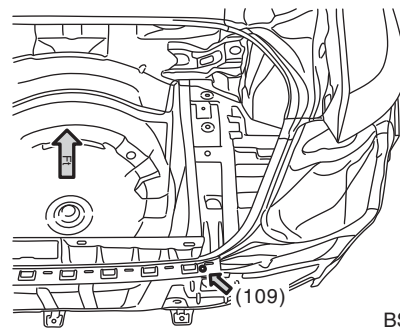
BS-04204



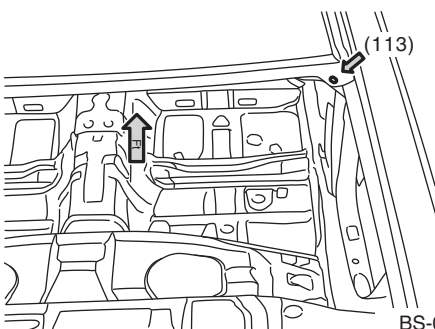
BS-04467



BS-04206



BS-04207

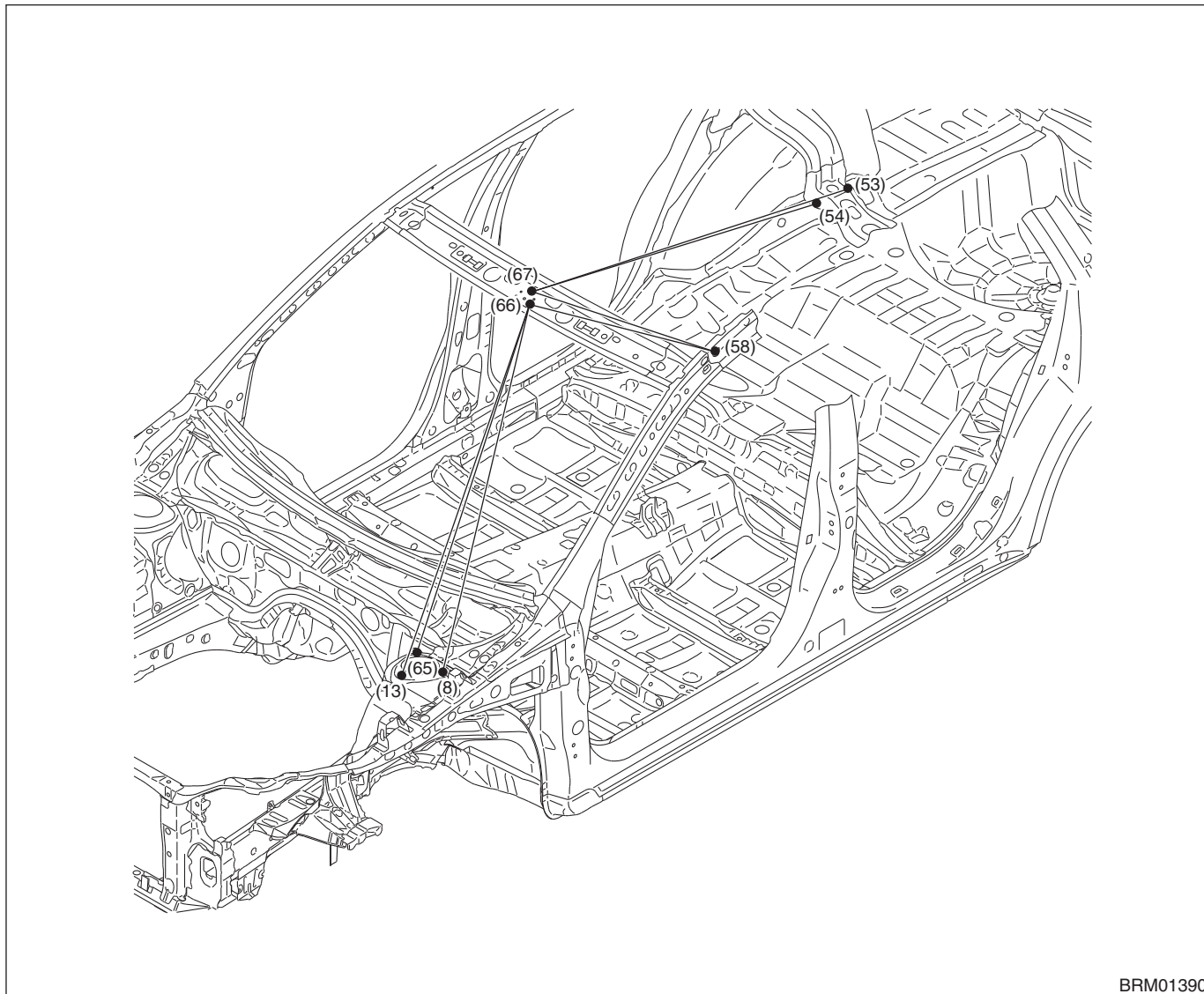


BS-04208

SUBARU.

## Body Reference Points

### 8. FRONT ROOF RAIL (CAMERA PLATE)



BRM01390

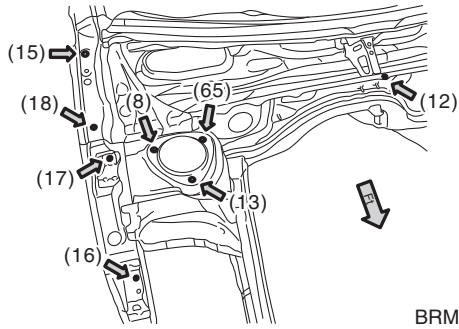
- |                                                                |                                                                |                                                                           |
|----------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------|
| (8) Front suspension mounting hole (symmetrical), rear outside | (54) Rear suspension mounting hole (symmetrical), front        | (66) Stereo camera (camera plate) mounting hole (symmetrical), front side |
| (13) Front suspension mounting hole (symmetrical), front       | (58) Assist bracket mounting hole (symmetrical)                | (67) Stereo camera (camera plate) mounting hole (body center), rear side  |
| (53) Rear suspension mounting hole (symmetrical), rear         | (65) Front suspension mounting hole (symmetrical), rear inside |                                                                           |

| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (8)L — (66)L    | 1,267 (49.88)           |
| (13)L — (66)L   | 1,314 (51.73)           |
| (53)R — (67)    | 2,090 (82.28)           |
| (54)R — (67)    | 1,972 (77.64)           |

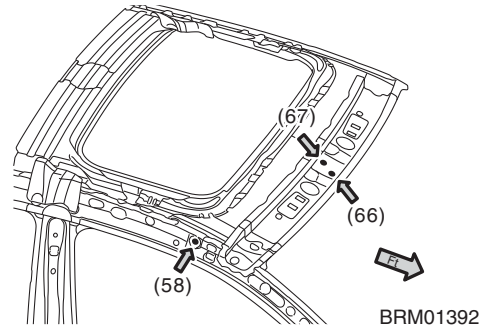
| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (58)L — (66)L   | 597 (23.50)             |
| (58)L — (67)    | 613 (24.13)             |
| (65)L — (66)L   | 1,214 (47.80)           |

- Reference point (67) indicates a body center part. All other reference points indicate left-right symmetrical parts.
- The dimensions are the actual dimensions between the reference points.

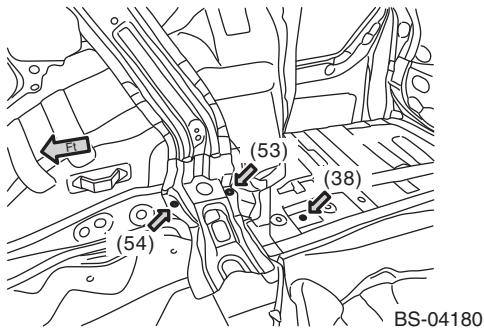
## Body Reference Points



BRM01391



BRM01392



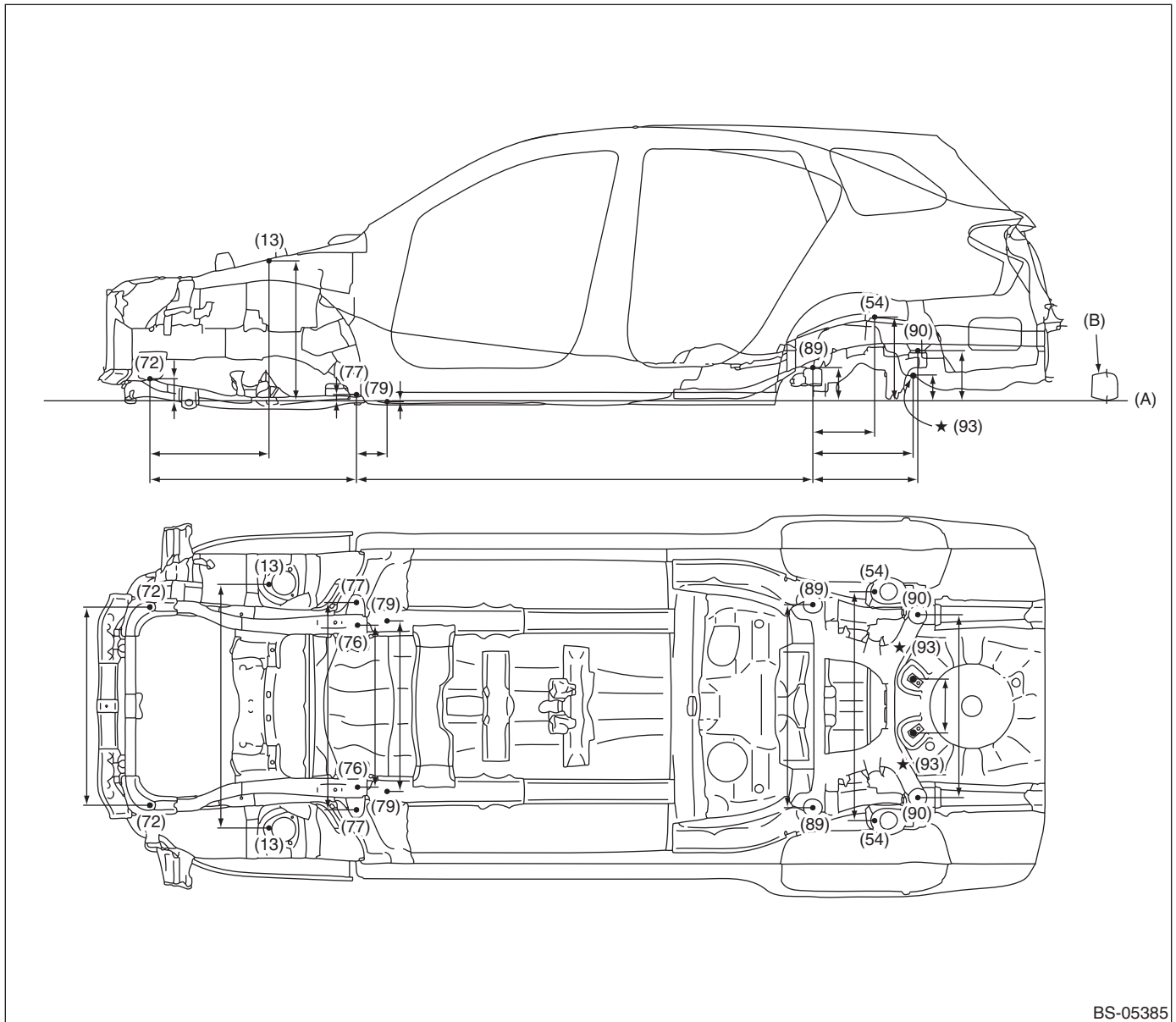
BS-04180

SUBARU.

## 10.Measurement for Combined Parts

### A: DIMENSIONS

#### 1. SUSPENSION MOUNT (CRADLE FRAME, SUSPENSION MOUNT)



- The longitudinal dimensions are projected dimensions.
- The height dimensions are the vertical distances from the gauge point on the assumed horizontal line through the side sill flange joint (bending angle point).
- For location marked by ★, only to sedan 25i-P special edition models from 2012MY onward.

(A) Standard line

(B) Side sill outer panel

(13) Front suspension mounting hole (symmetrical), front

(76) Cradle frame mounting hole (symmetrical), rear inside

(89) Rear suspension crossmember mounting hole (symmetrical)

(54) Rear suspension mounting hole (symmetrical), front

(77) Cradle frame mounting hole (symmetrical), rear outside

(90) Rear suspension crossmember mounting hole (symmetrical)

(72) Cradle frame mounting hole (symmetrical), front

(79) Stiffener mounting hole (symmetrical)

(93) Rear subframe support mounting hole (symmetrical)

## Measurement for Combined Parts

| Measuring point   | Datum dimension mm (in) |
|-------------------|-------------------------|
| Datum line — (13) | 653 (25.71)             |
| Datum line — (54) | 391 (15.39)             |
| Datum line — (72) | 103 (4.06)              |
| Datum line — (77) | 29 (1.14)               |
| Datum line — (79) | -8 (-0.31)              |
| Datum line — (89) | 155 (6.10)              |
| Datum line — (90) | 234 (9.21)              |
| Datum line — (93) | 89.5 (3.52)             |
| (13) — (72)       | 556 (21.89)             |
| (54) — (89)       | 288 (11.34)             |
| (72) — (77)       | 965 (37.99)             |
| (77) — (79)       | 201 (7.91)              |

| Measuring point | Datum dimension mm (in) |
|-----------------|-------------------------|
| (77) — (89)     | 2,131 (83.90)           |
| (89) — (90)     | 490 (19.29)             |
| (89) — (93)     | 494 (19.45)             |
| (13) R — (13) L | 1,136 (44.72)           |
| (54) R — (54) L | 1,069 (42.09)           |
| (72) R — (72) L | 925 (36.42)             |
| (76) R — (76) L | 756 (29.76)             |
| (77) R — (77) L | 968 (38.11)             |
| (79) R — (79) L | 800 (31.50)             |
| (89) R — (89) L | 948 (37.32)             |
| (90) R — (90) L | 854 (33.62)             |
| (93) R — (93) L | 262 (10.31)             |

**CAUTION:**

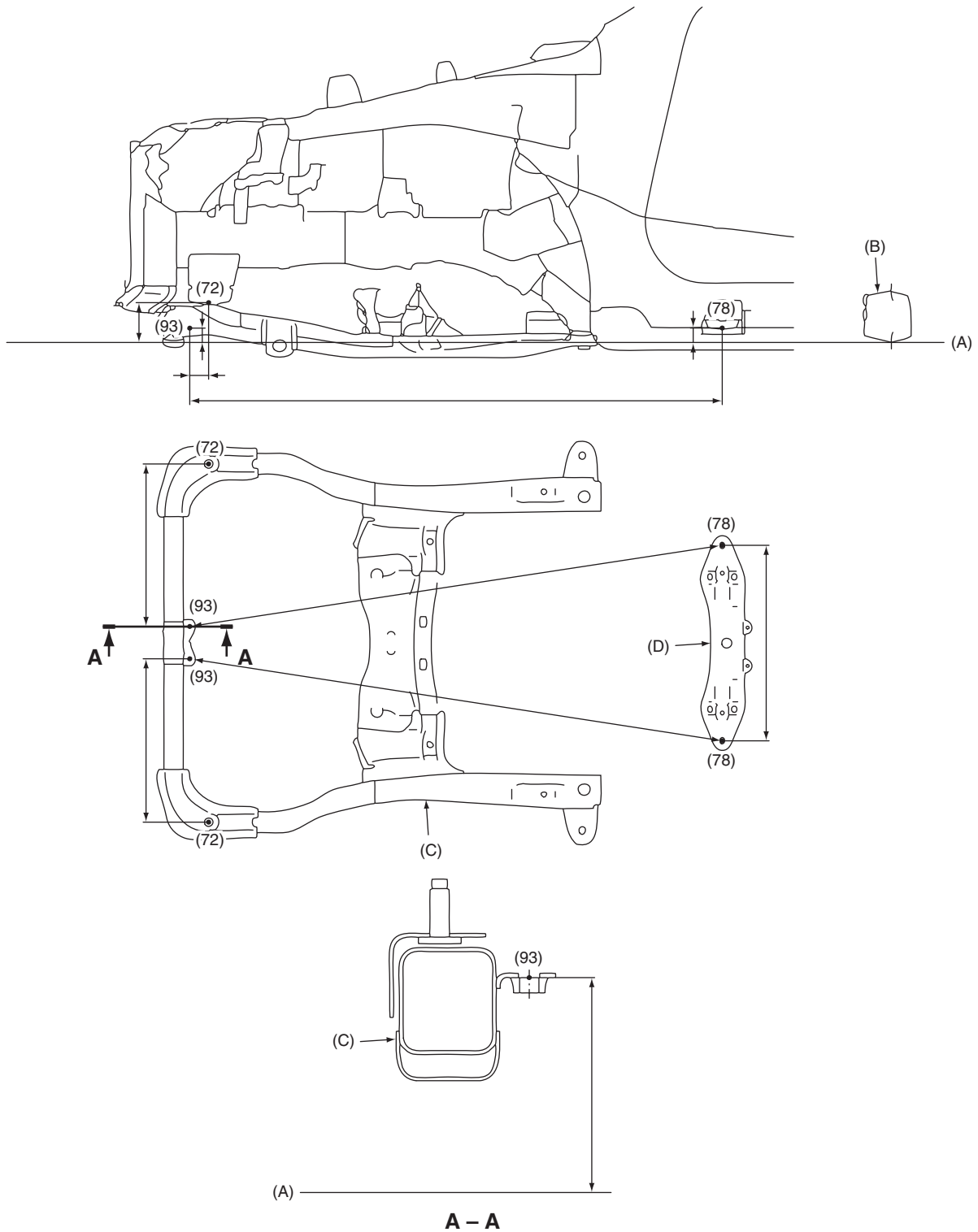
For the reference points (13), refer to the figure "FRONT 1, DIMENSIONS, Body Reference Points" on page 66.

For the reference points (54), refer to the figure "INSIDE 2, DIMENSIONS, Body Reference Points" on page 72.

Except the reference points (13) and (54), refer to the figure "LOWER SURFACE, DIMENSIONS, Body Reference Points" on page 63.

## Measurement for Combined Parts

### 2. ENGINE MOUNTING



BS-04469

- The longitudinal dimensions are projected dimensions.
- The height dimensions are the vertical distances from the gauge point on the assumed horizontal line through the side sill flange joint (bending angle point).
- Diagonal dimensions are the actual dimensions between reference points.

## Measurement for Combined Parts

(A) Standard line  
(D) Rear crossmember rear

(B) Side sill outer panel

(C) Cradle frame

(72) Cradle frame mounting hole (symmetrical), front

(78) L (MT&CVT(TR580)) Crossmember mounting hole, left side

(93) Front engine mounting bracket mounting hole, right side

(78) (MT&CVT(TR580)) Crossmember R mounting hole, right side

(78) (AT&CVT(TR690)) Crossmember mounting hole

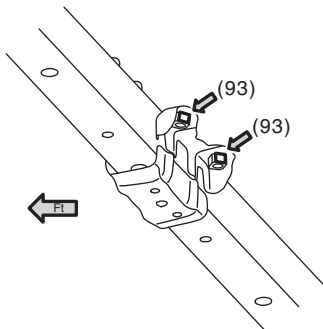
(93) L Front engine mounting bracket mounting hole, left side

### CAUTION:

For the reference points (72) and (78), refer to the figure "LOWER SURFACE, DIMENSIONS, Body Reference Points" on page 63.

| Measuring point                                          | Datum dimension<br>mm (in) | Projected dimensions<br>for reference mm (in) |
|----------------------------------------------------------|----------------------------|-----------------------------------------------|
| Datum line — (72)                                        | 103 (4.06)                 | —                                             |
| Datum line — (78)<br>(MT&CVT(TR580))                     | 46 (1.81)                  | —                                             |
| Datum line — (78)<br>(AT&CVT(TR690))                     | 36 (1.42)                  | —                                             |
| Datum line — (93)                                        | 45 (1.77)                  | —                                             |
| (72) — (93)                                              | 49 (1.93)                  | —                                             |
| (78) R<br>(MT&CVT(TR580))<br>— (93)                      | 1,275 (50.20)              | —                                             |
| (78)<br>(AT&CVT(TR690))<br>— (93)                        | 1,375 (54.13)              | —                                             |
| (72) R — (93) R                                          | 422 (16.61)                | —                                             |
| (72) L — (93) L                                          | 420 (16.54)                | —                                             |
| (78) R<br>(MT&CVT(TR580))<br>— (78) L<br>(MT&CVT(TR580)) | 529 (20.83)                | —                                             |

| Measuring point                                          | Datum dimension<br>mm (in) | Projected dimensions<br>for reference mm (in) |
|----------------------------------------------------------|----------------------------|-----------------------------------------------|
| (78) R<br>(AT&CVT(TR690))<br>— (78) L<br>(AT&CVT(TR690)) | 504 (19.84)                | —                                             |
| (78) R<br>(MT&CVT(TR580))<br>— (93) R                    | 1,296 (51.02)              | 1,296 (51.02)                                 |
| (78) L<br>(MT&CVT(TR580))<br>— (93) L                    | 1,293 (50.91)              | 1,293 (50.91)                                 |
| (78) R<br>(AT&CVT(TR690))<br>— (93) R                    | 1,391 (54.76)              | 1,391 (54.76)                                 |
| (78) L<br>(AT&CVT(TR690))<br>— (93) L                    | 1,406 (55.35)              | 1,406 (55.35)                                 |



BS-04227

- (93) Indicates a nut installation surface.

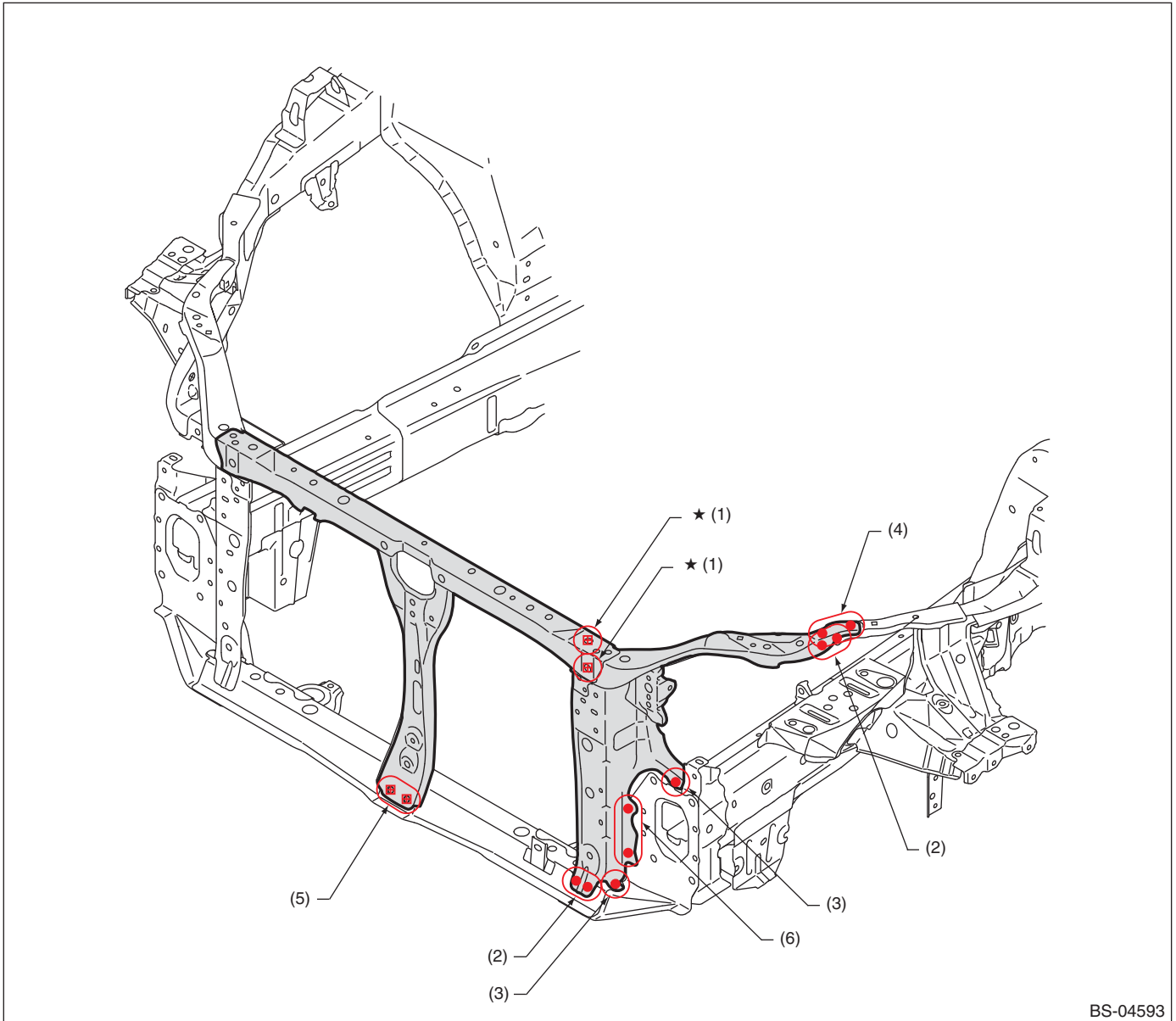
SUBARU.

## 11. Panel Replacement

### 11-1. Radiator Panel (total replacement)

#### A: REMOVAL

##### • Overall view



(1) 1 point (bolt)

(2) 2 points (outside · 1)

(3) 1 point (top · 1)

(4) 3 points (top · 1)

(5) 2 points (bolt)

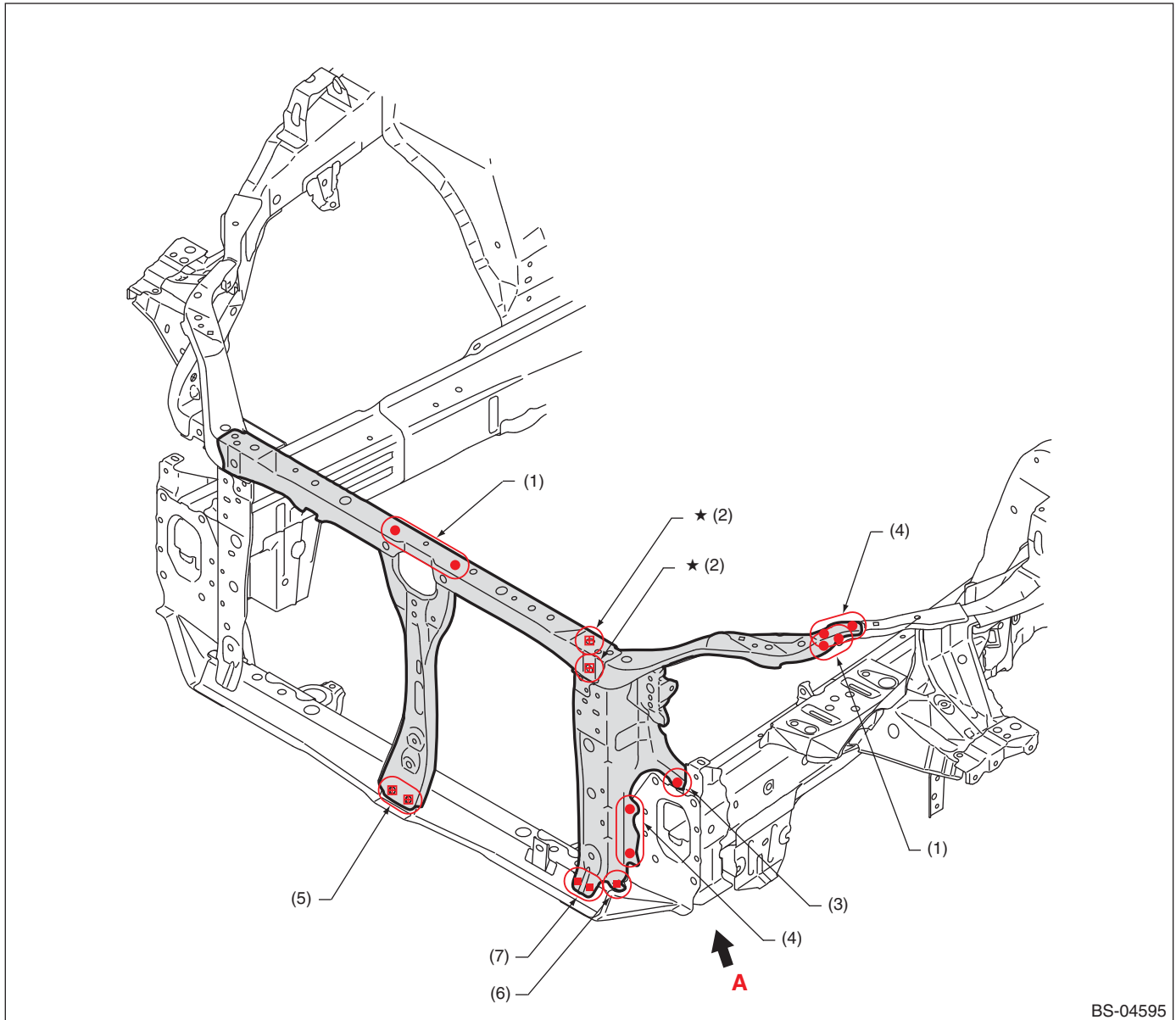
(6) 3 points (outside · 1)

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

## B: INSTALLATION

### • Overall view

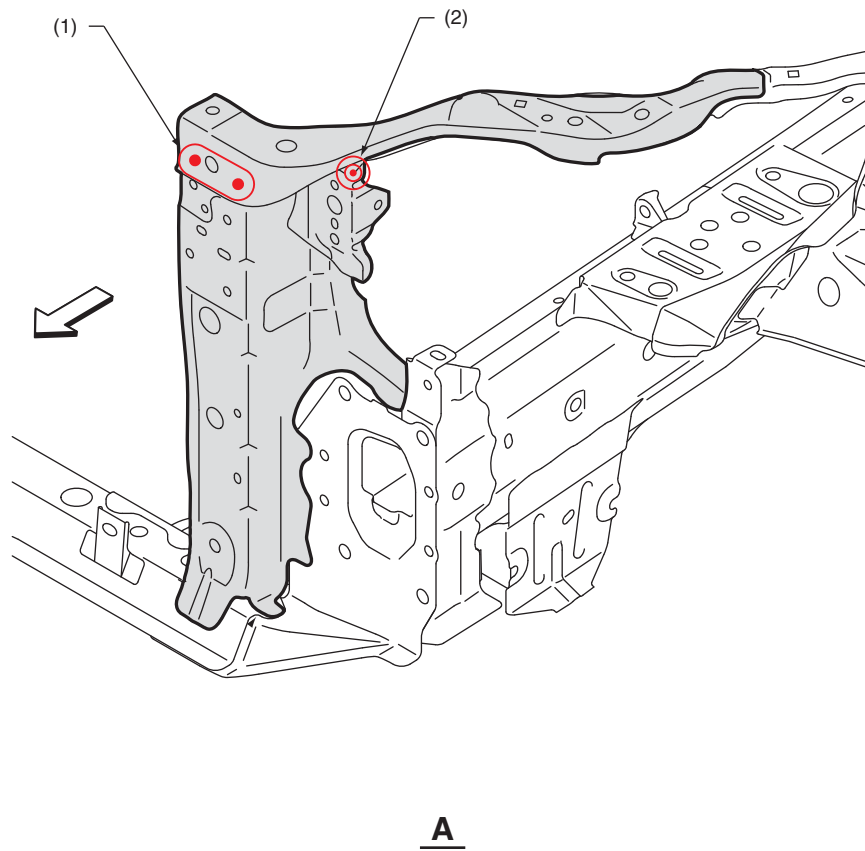


- |                    |                       |                        |
|--------------------|-----------------------|------------------------|
| (1) 2 points       | (4) 3 points          | (7) 2 points (service) |
| (2) 1 point (bolt) | (5) 2 points (bolt)   |                        |
| (3) 1 point        | (6) 1 point (service) |                        |

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

- Views



BS-04596

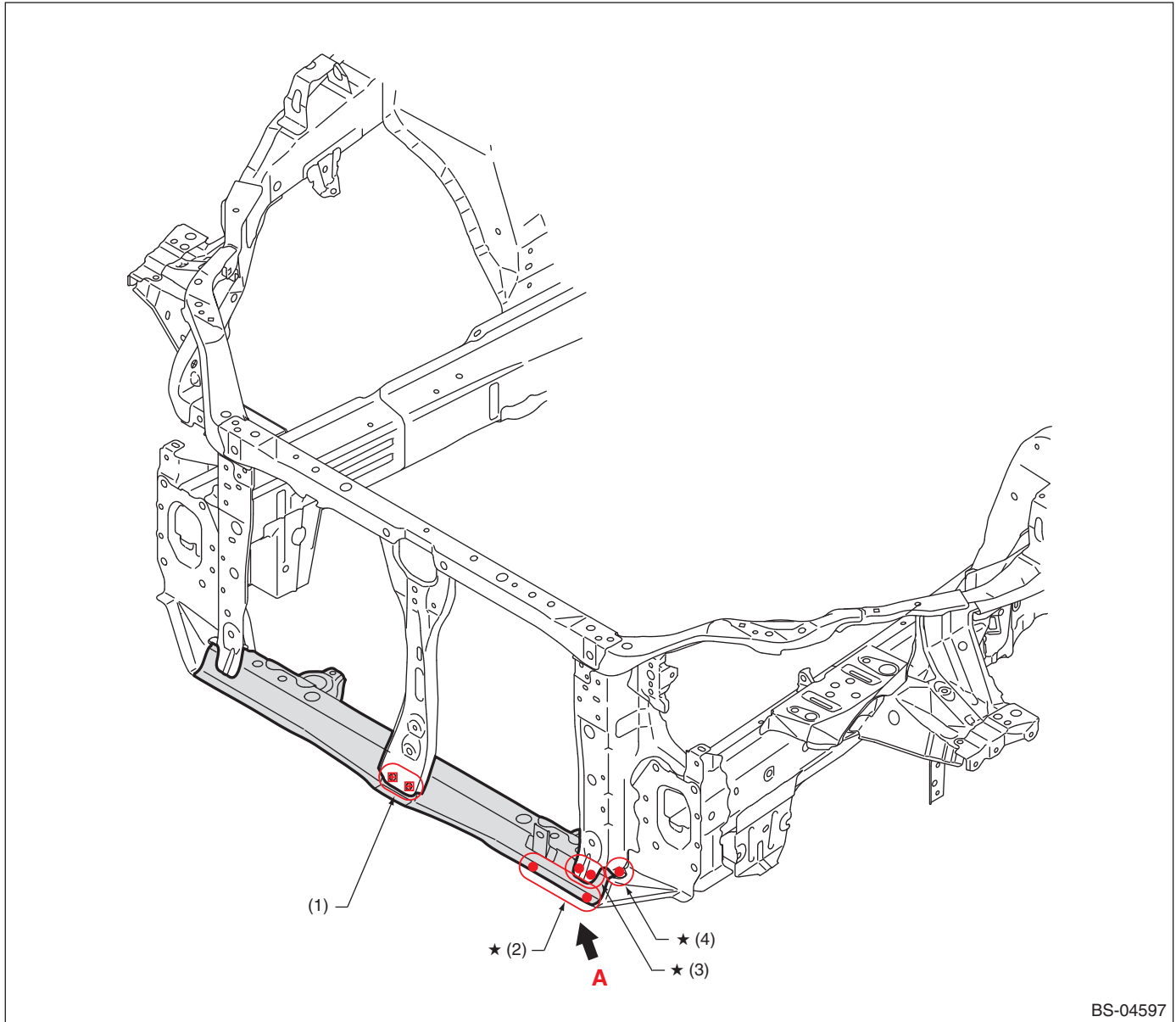
(1) 2 points

(2) 1 point

### 11-2. Radiator Core Support (total replacement)

#### A: REMOVAL

- Overall view



- (1) 2 points (bolt)  
(2) 7 points (top · 1)

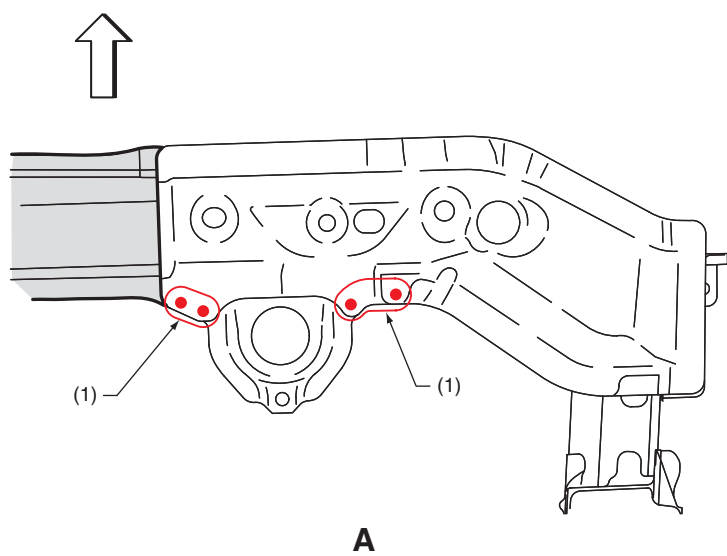
- (3) 2 points (outside · 1)

- (4) 1 point (top · 1)

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

- Views



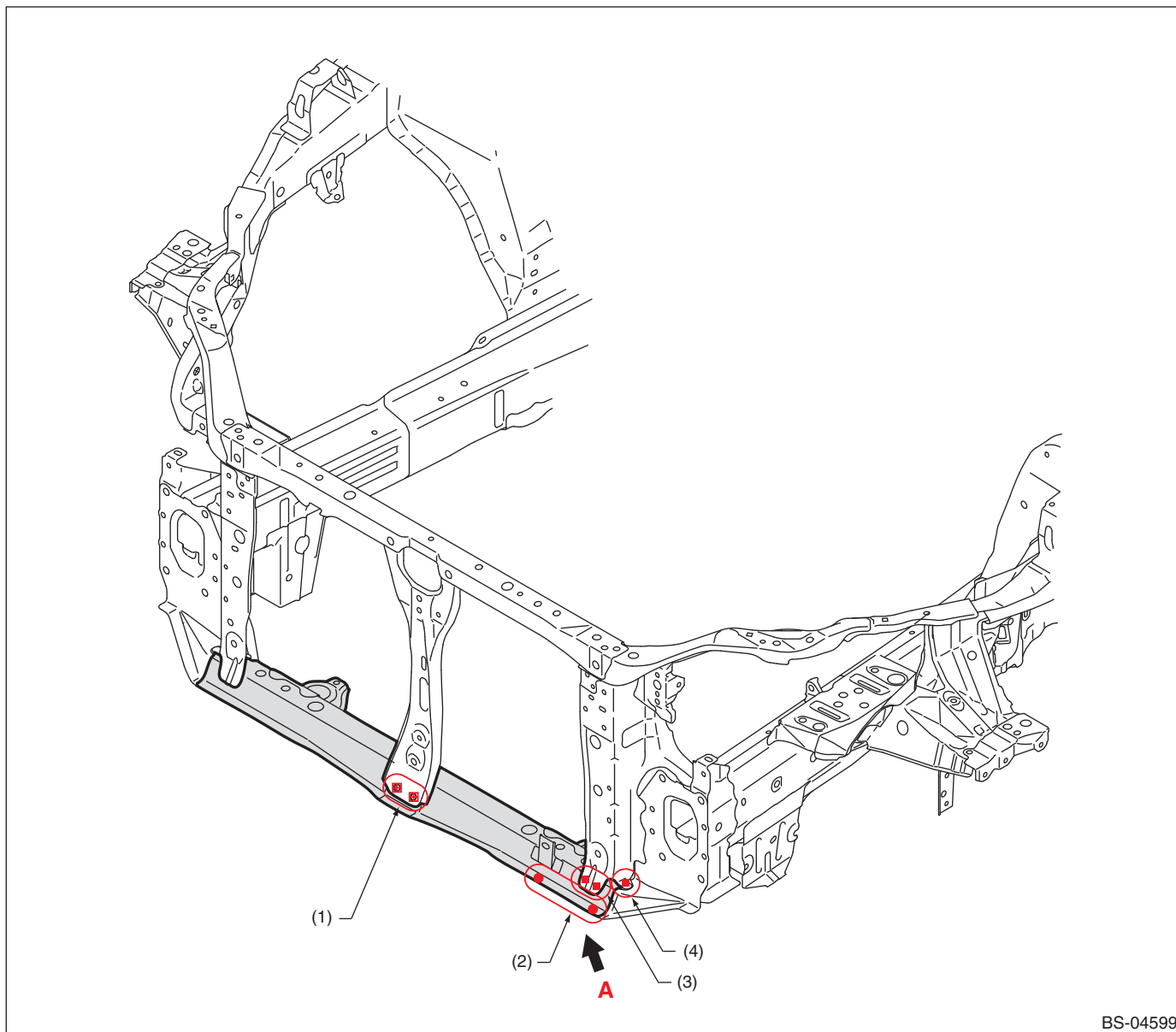
BS-04598

(1) 2 points (bottom · 1)

# Panel Replacement

## B: INSTALLATION

- Overall view



BS-04599

(1) 2 points (bolt)

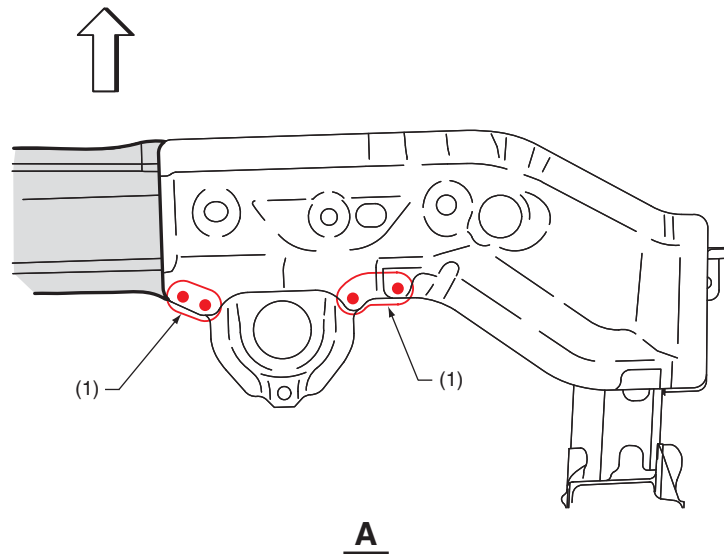
(3) 2 points

(4) 1 point

(2) 7 points

## Panel Replacement

- Views



BS-04600

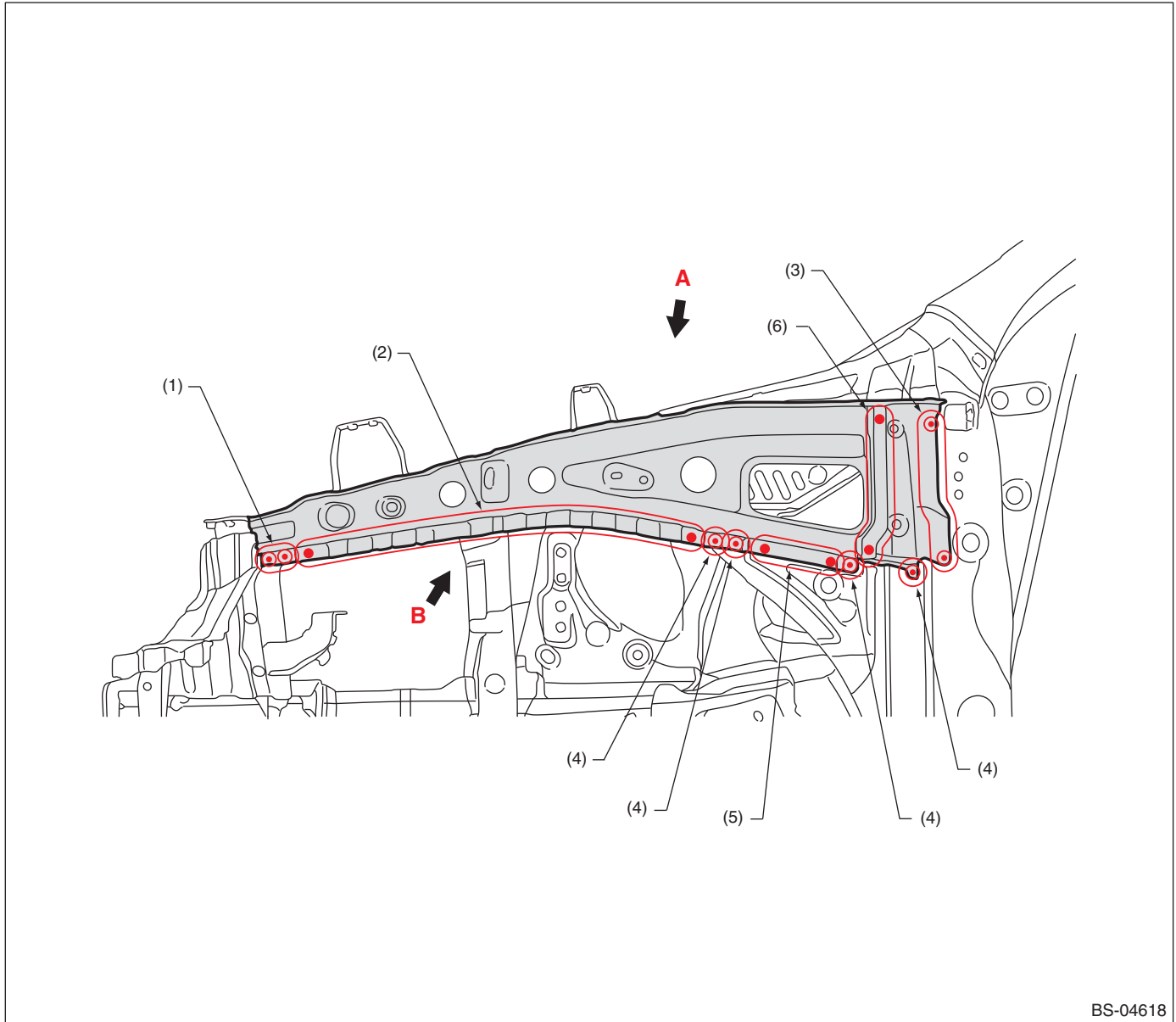
(1) 2 points

## Panel Replacement

### 11-3. Side Upper Frame (total replacement)

#### A: REMOVAL

- Overall view



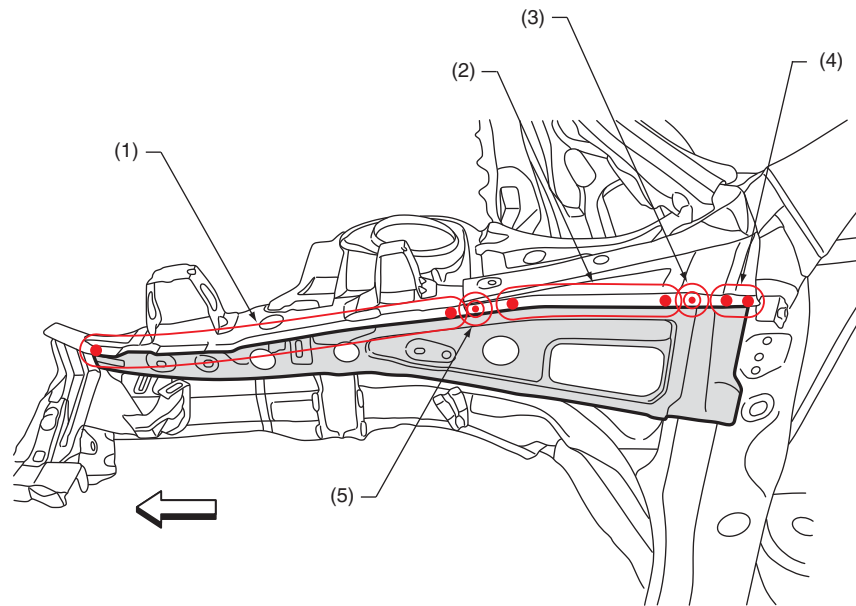
(1) 2 points (outside · 1)  
(2) 9 points (outside · 1)

(3) 4 points (outside · 1)  
(4) 1 point (outside · 1)

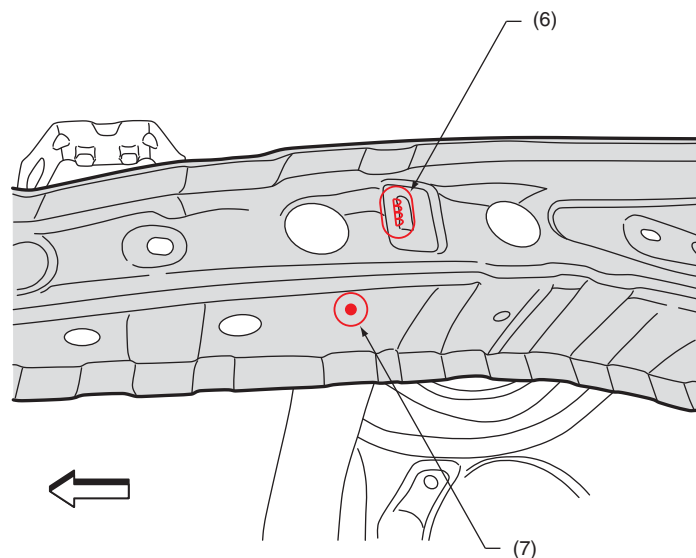
(5) 5 points (outside · 1)  
(6) 6 points (outside · 1)

# Panel Replacement

## • Views



**A**



**B**

BS-04263

- (1) 12 points (top · 1)
- (2) 5 points (top · 1)
- (3) 1 point (top · 1)

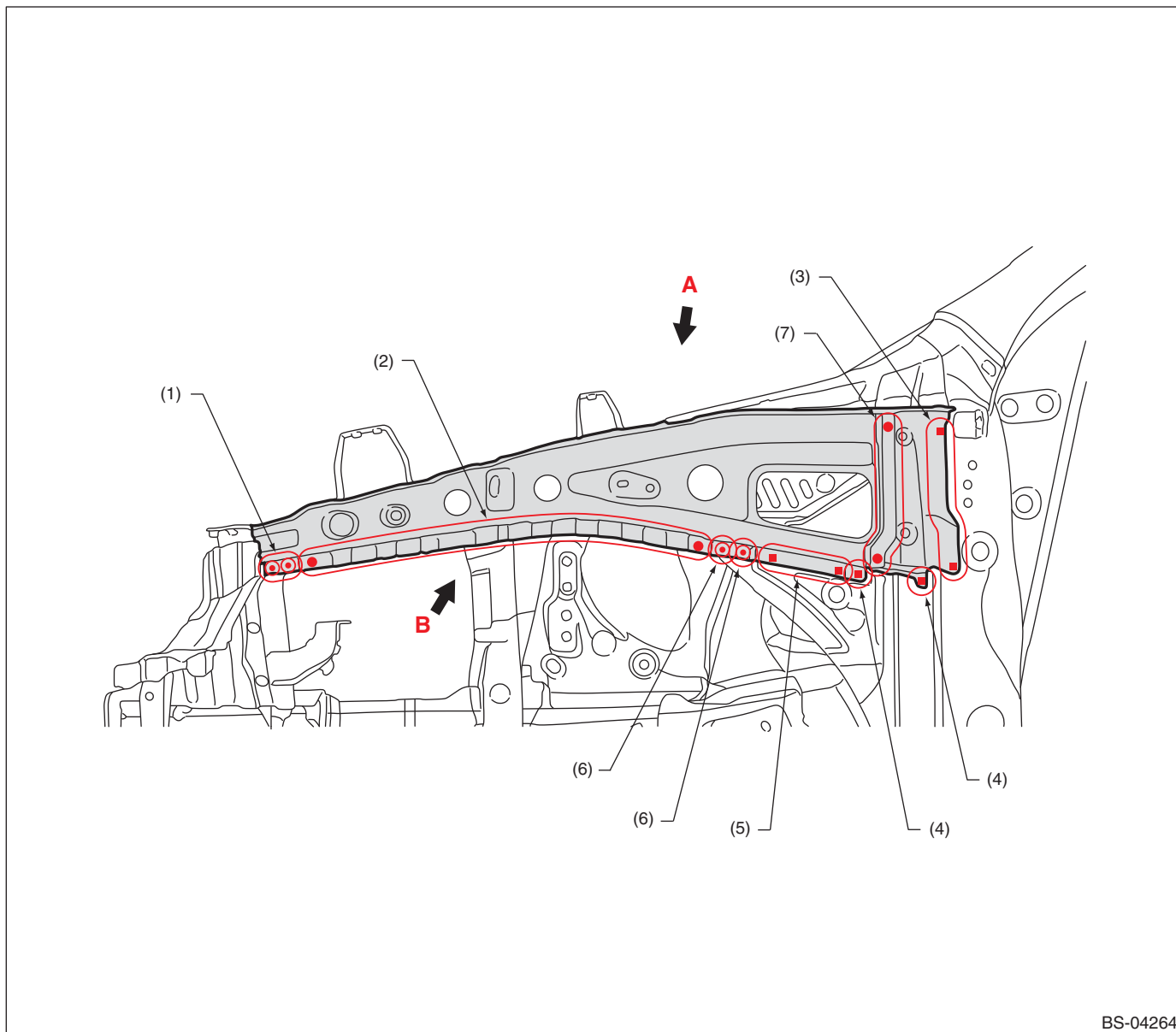
- (4) 2 points (top · 1)
- (5) 1 point (top · 2)
- (6) 1 point (outside · 1, belt sander)

- (7) 1 point (bottom · 1)

# Panel Replacement

## B: INSTALLATION

### • Overall view



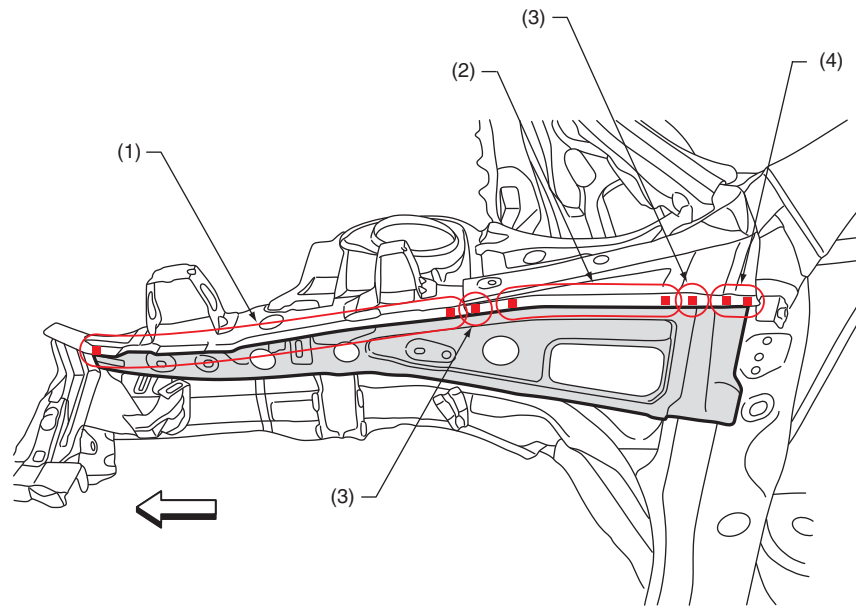
- (1) 2 points
- (2) 9 points
- (3) 4 points (service)

- (4) 1 point (service)
- (5) 5 points (service)
- (6) 1 point

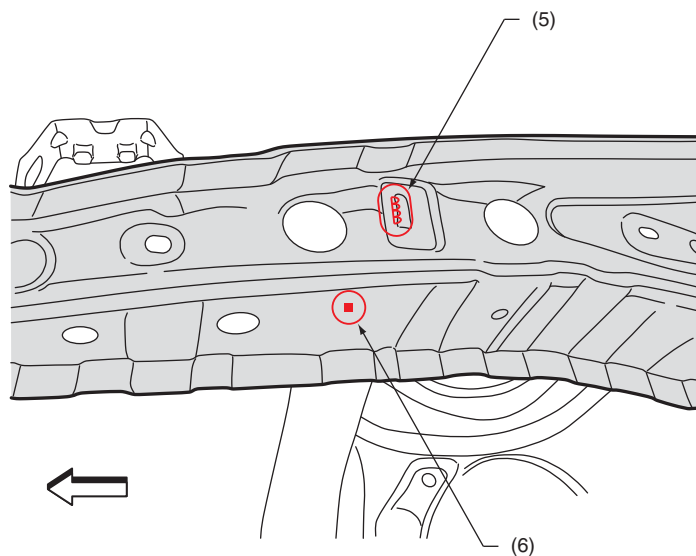
- (7) 6 points

# Panel Replacement

## • Views



**A**



**B**

BS-04265

(1) 12 points  
(2) 5 points

(3) 1 point  
(4) 2 points

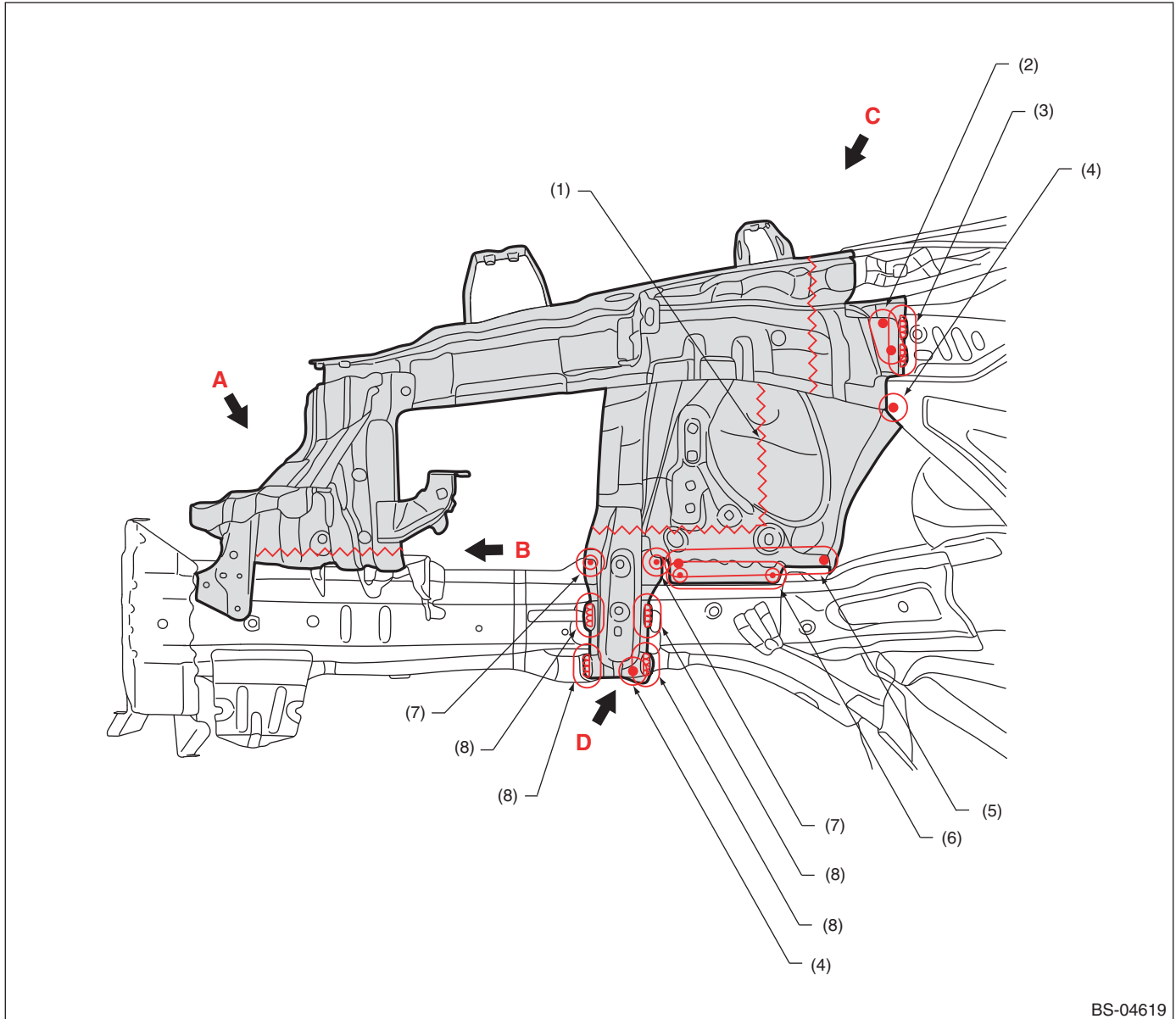
(5) 1 point [15mm (0.59 in)]  
(6) 1 point (service)

## Panel Replacement

### 11-4. Front Wheel Apron (total replacement)

#### A: REMOVAL

- Overall view (radiator panel, side upper frame removal condition)

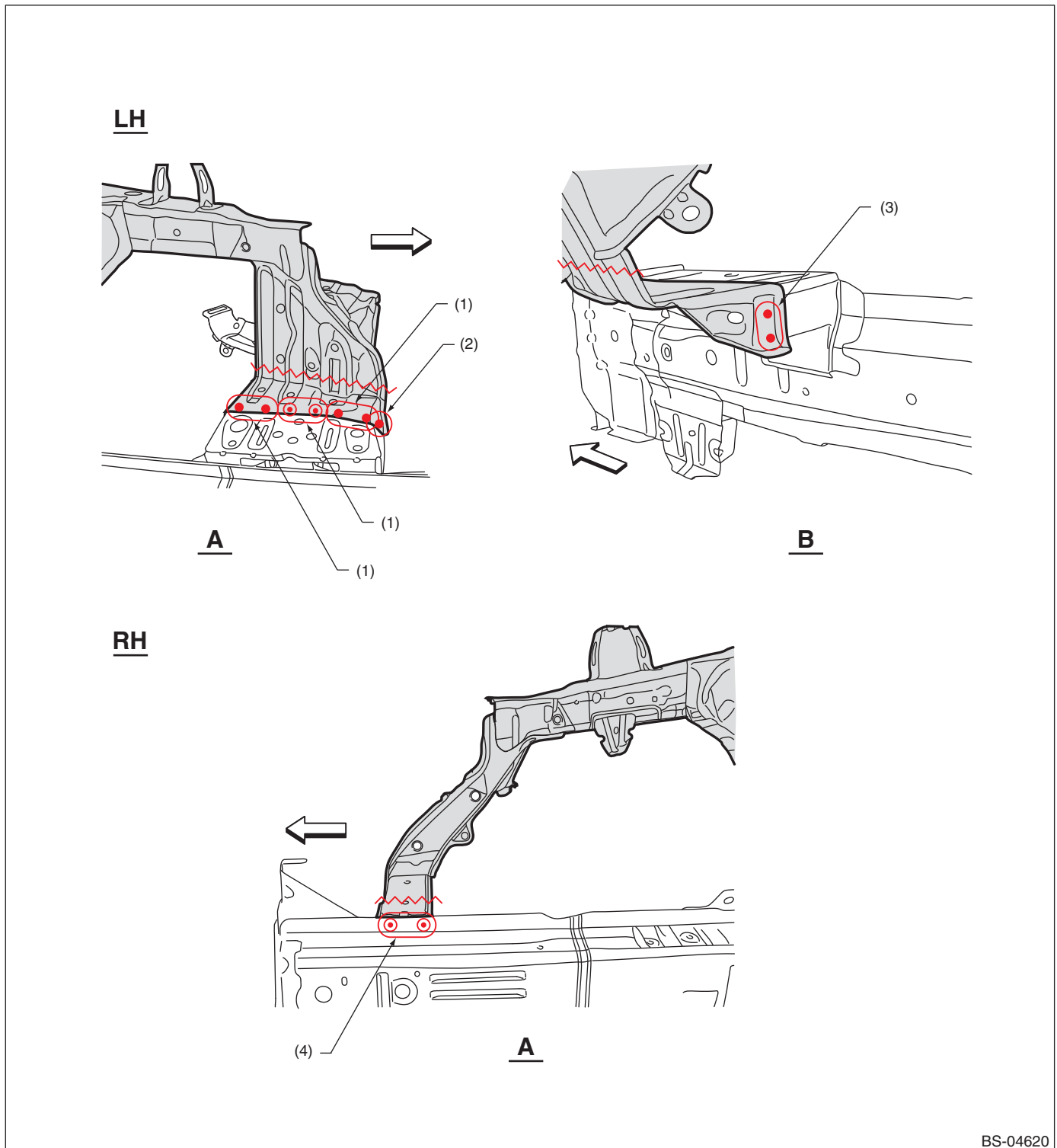


BS-04619

- |                                         |                            |                                        |
|-----------------------------------------|----------------------------|----------------------------------------|
| (1) Rough cutting                       | (4) 1 point (outside · 1)  | (7) 1 point (outside · 2)              |
| (2) 2 points (outside · 1)              | (5) 8 points (outside · 1) | (8) 1 point (outside · 1, belt sander) |
| (3) 2 points (outside · 1, belt sander) | (6) 6 points (outside · 1) |                                        |

# Panel Replacement

## • Views 1



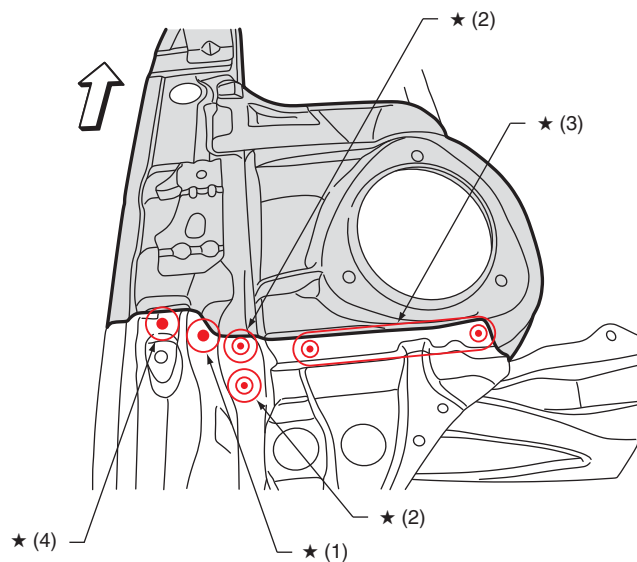
- (1) 2 points (top · 1)  
(2) 1 point (outside · 1)

- (3) 2 points (inside · 1)

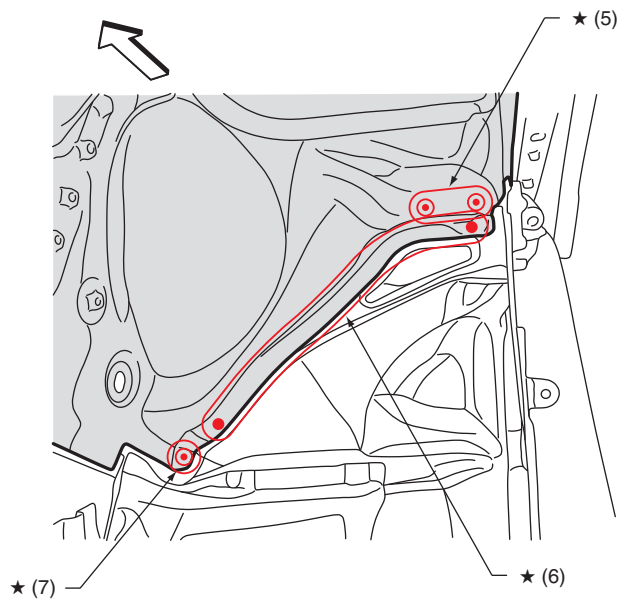
- (4) 2 points (outside · 1)

# Panel Replacement

## • Views 2



C



D

BS-04529

- (1) 1 point (outside · 1)
- (2) 1 point (bottom · 2)
- (3) 5 points (top · 1)

- (4) 1 point (bottom · 1)
- (5) 2 points (bottom · 1)
- (6) 9 points (outside · 1)

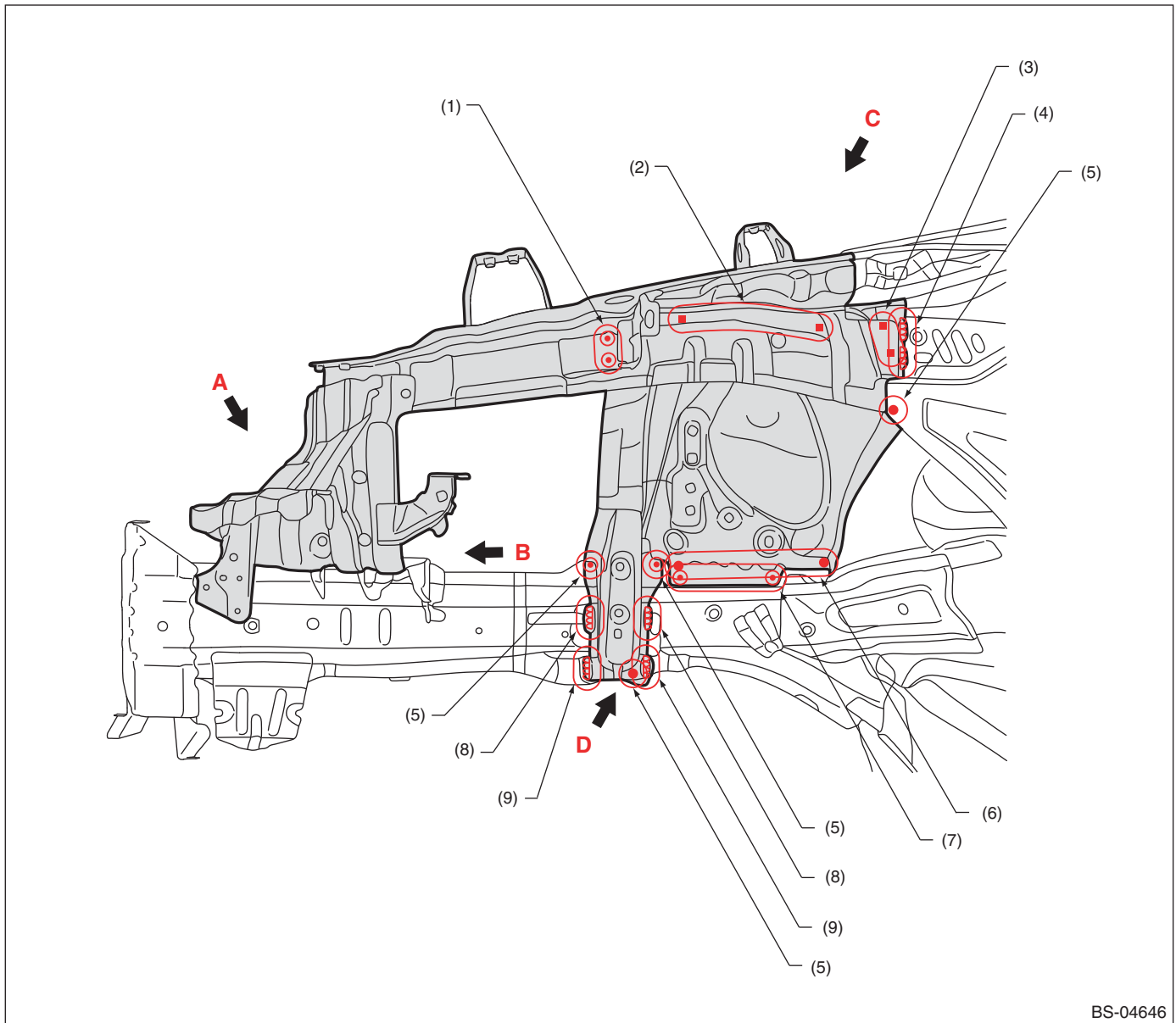
- (7) 1 point (outside · 1, belt sander)

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

## B: INSTALLATION

### • Overall view

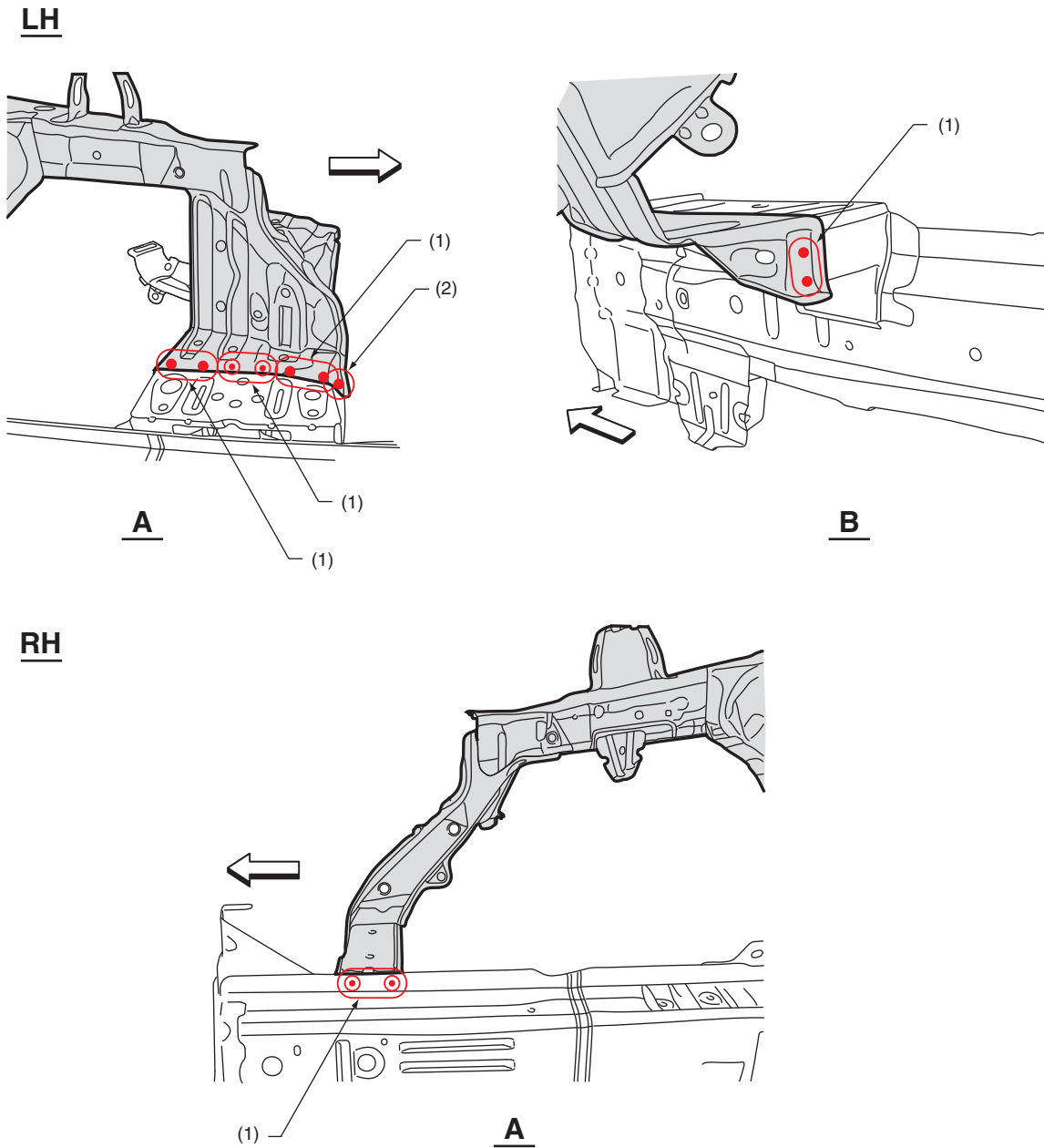


BS-04646

- |                        |                               |                              |
|------------------------|-------------------------------|------------------------------|
| (1) 2 points           | (4) 2 points [20mm (0.79 in)] | (7) 6 points                 |
| (2) 6 points (service) | (5) 1 point                   | (8) 1 point [30mm (1.18 in)] |
| (3) 2 points (service) | (6) 8 points                  | (9) 1 point [25mm (0.98 in)] |

# Panel Replacement

- Views 1



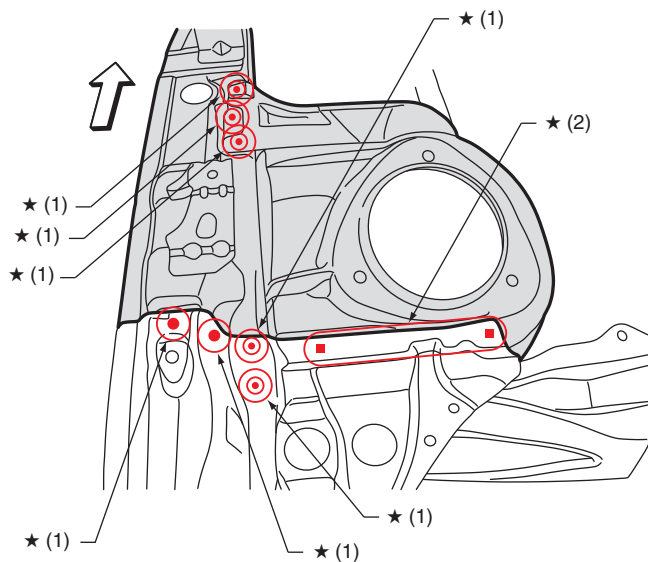
BS-04647

(1) 2 points

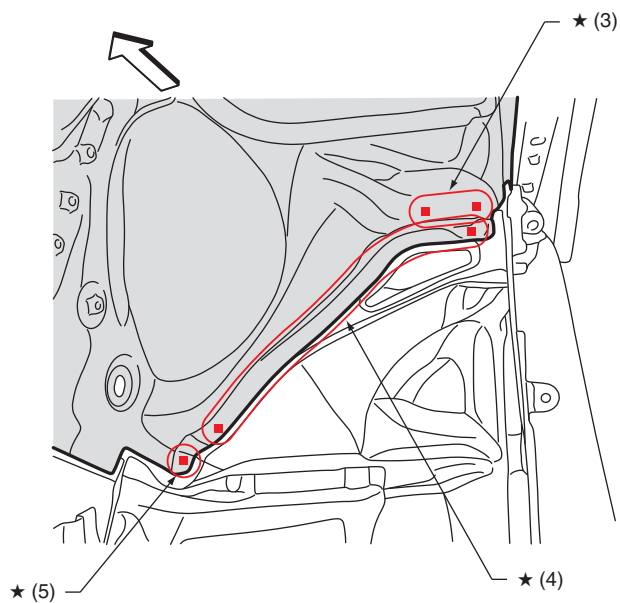
(2) 1 point

# Panel Replacement

## • Views 2



C



D

BS-04530

- (1) 1 point
- (2) 5 points

- (3) 2 points (service)
- (4) 9 points (service)

- (5) 1 point (service)

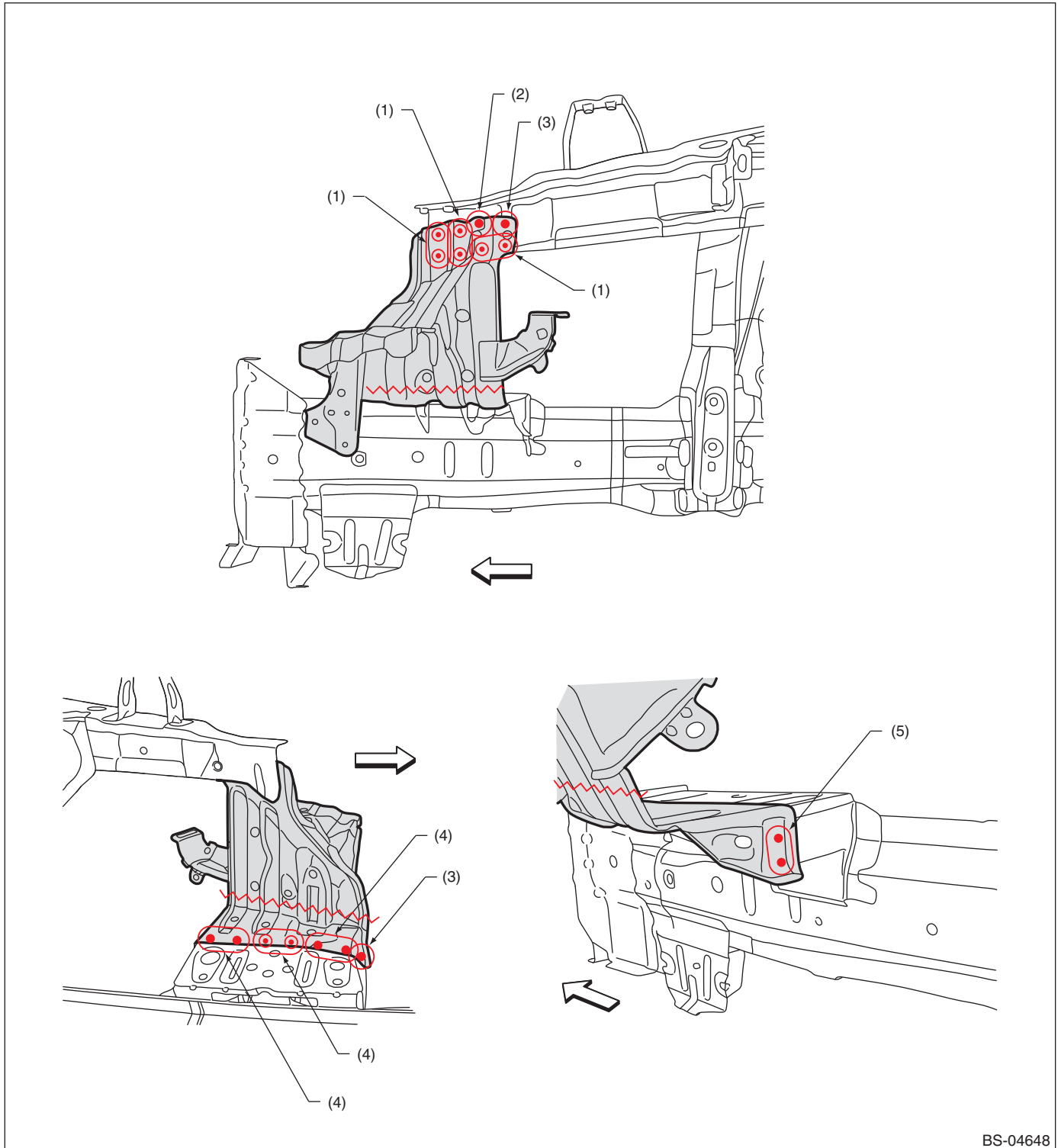
For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

## Panel Replacement

### 11-5. Front Wheel Apron LH (partial replacement)

#### A: REMOVAL

- Radiator panel removal condition



BS-04648

(1) 2 points (outside · 2)

(2) 1 point (outside · 2)

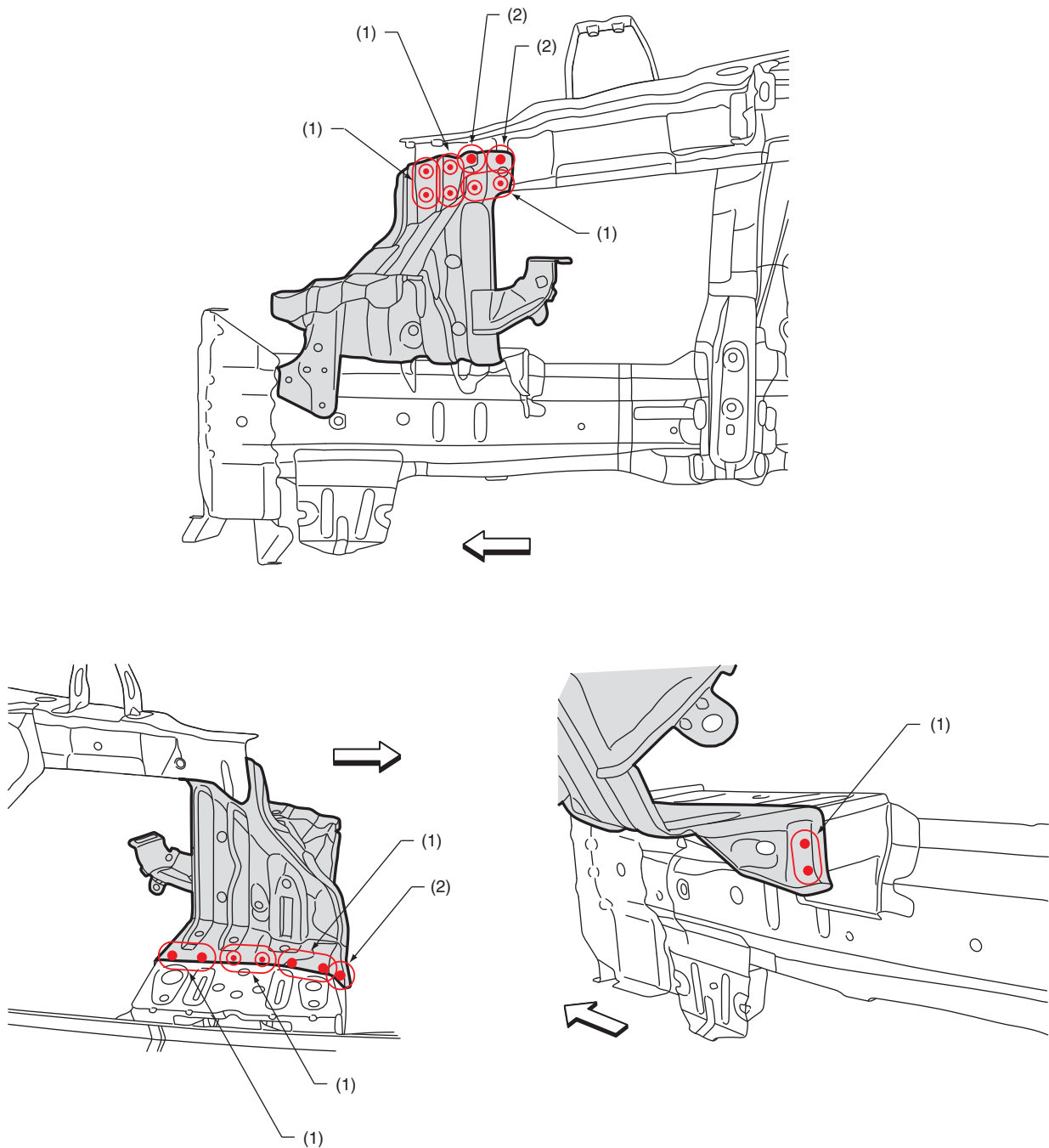
(3) 1 point (outside · 1)

(4) 2 points (top · 1)

(5) 2 points (inside · 1)

# Panel Replacement

## B: INSTALLATION



BS-04649

(1) 2 points

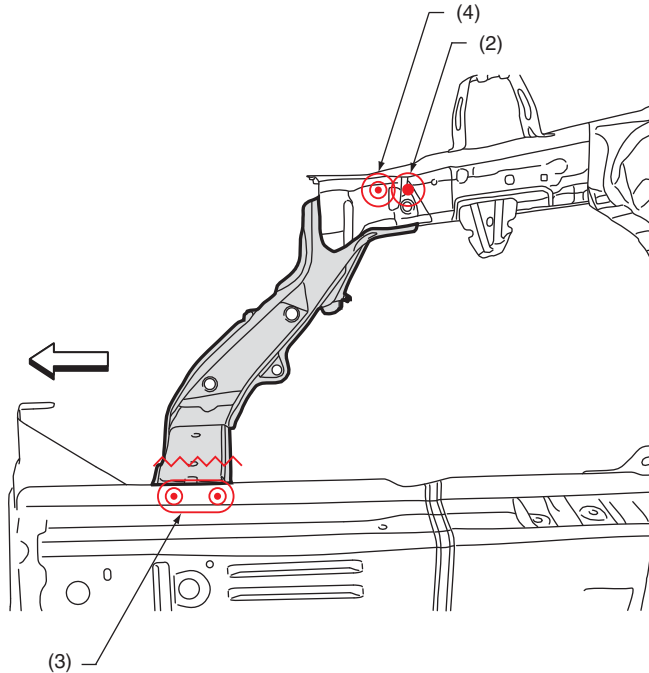
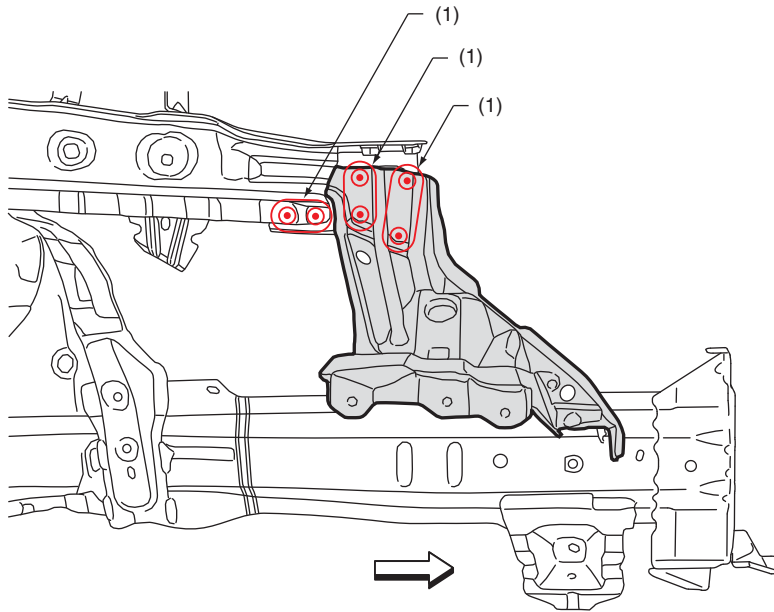
(2) 1 point

## Panel Replacement

### 11-6. Front Wheel Apron RH (partial replacement)

#### A: REMOVAL

- Radiator panel removal condition



BS-04650

(1) 2 points (outside · 2)

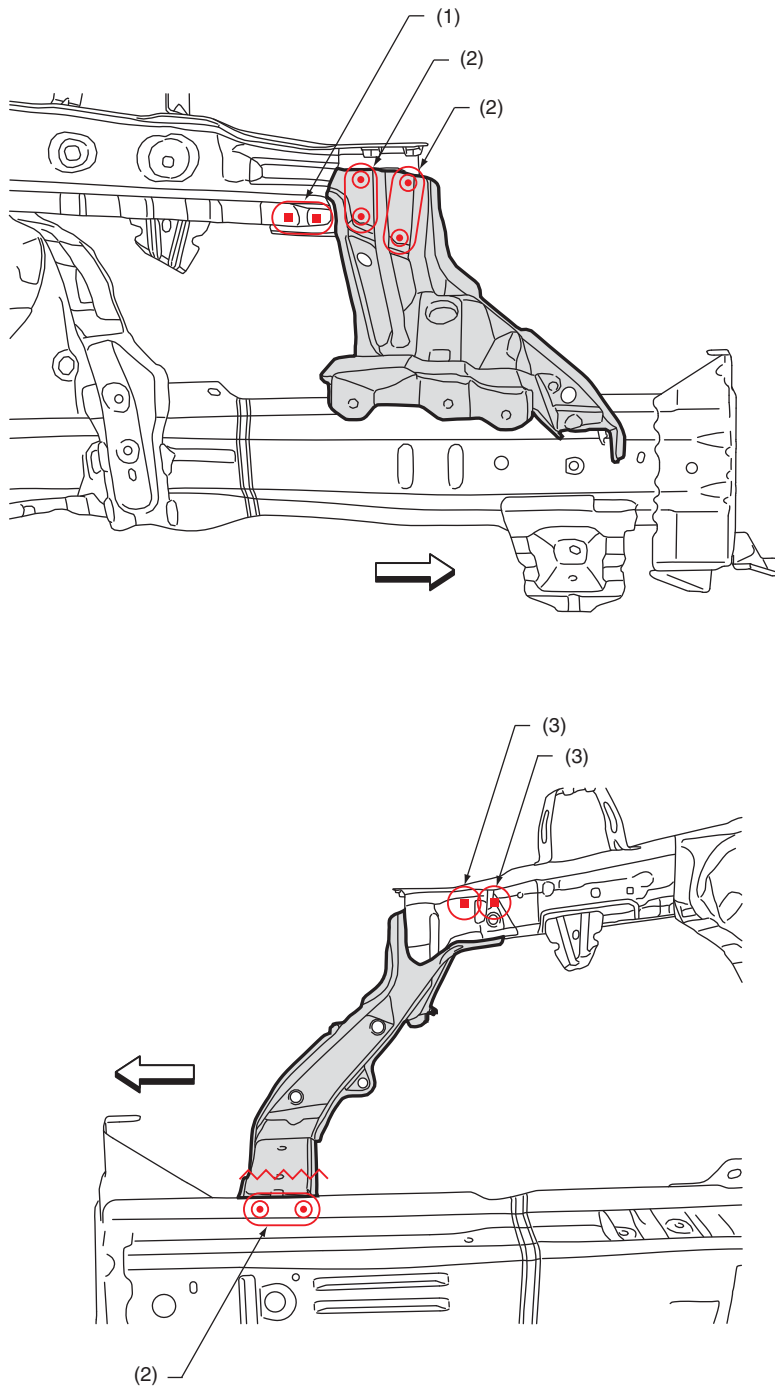
(2) 1 point (inside · 1)

(3) 2 points (outside · 1)

(4) 1 point (outside · 2)

# Panel Replacement

## B: INSTALLATION



BS-04651

(1) 2 points (service · matching)

(2) 2 points

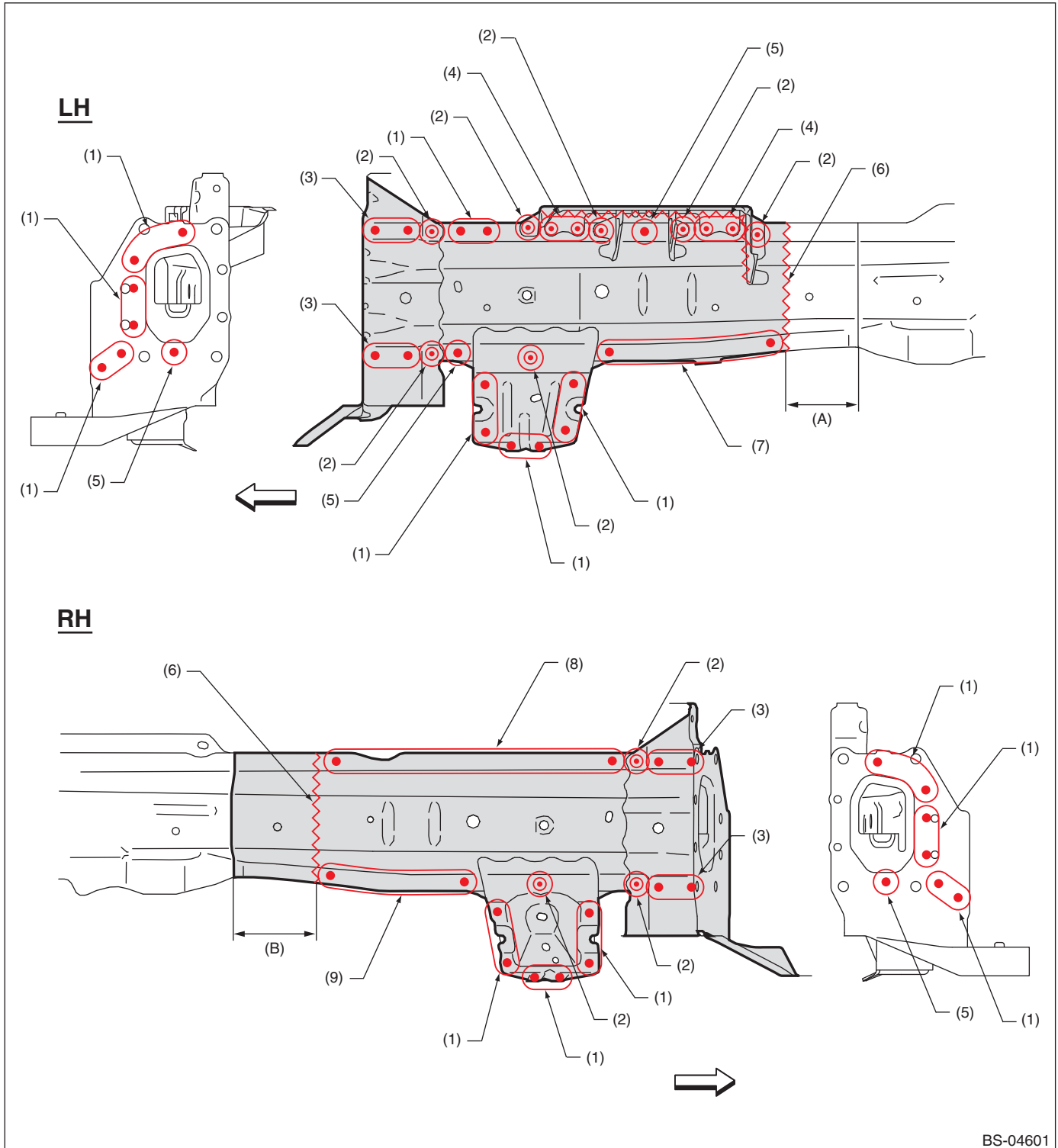
(3) 1 point

# Panel Replacement

## 11-7. Closing Plate (partial replacement)

### A: REMOVAL

- Radiator panel and front wheel apron removal condition



BS-04601

(A) 85 mm (3.35 in)

(B) 110 mm (4.33 in)

(1) 2 points (outside · 1)

(4) 2 points (outside · 2)

(7) 6 points (outside · 1)

(2) 1 point (outside · 2)

(5) 1 point (outside · 1)

(8) 7 points (outside · 1)

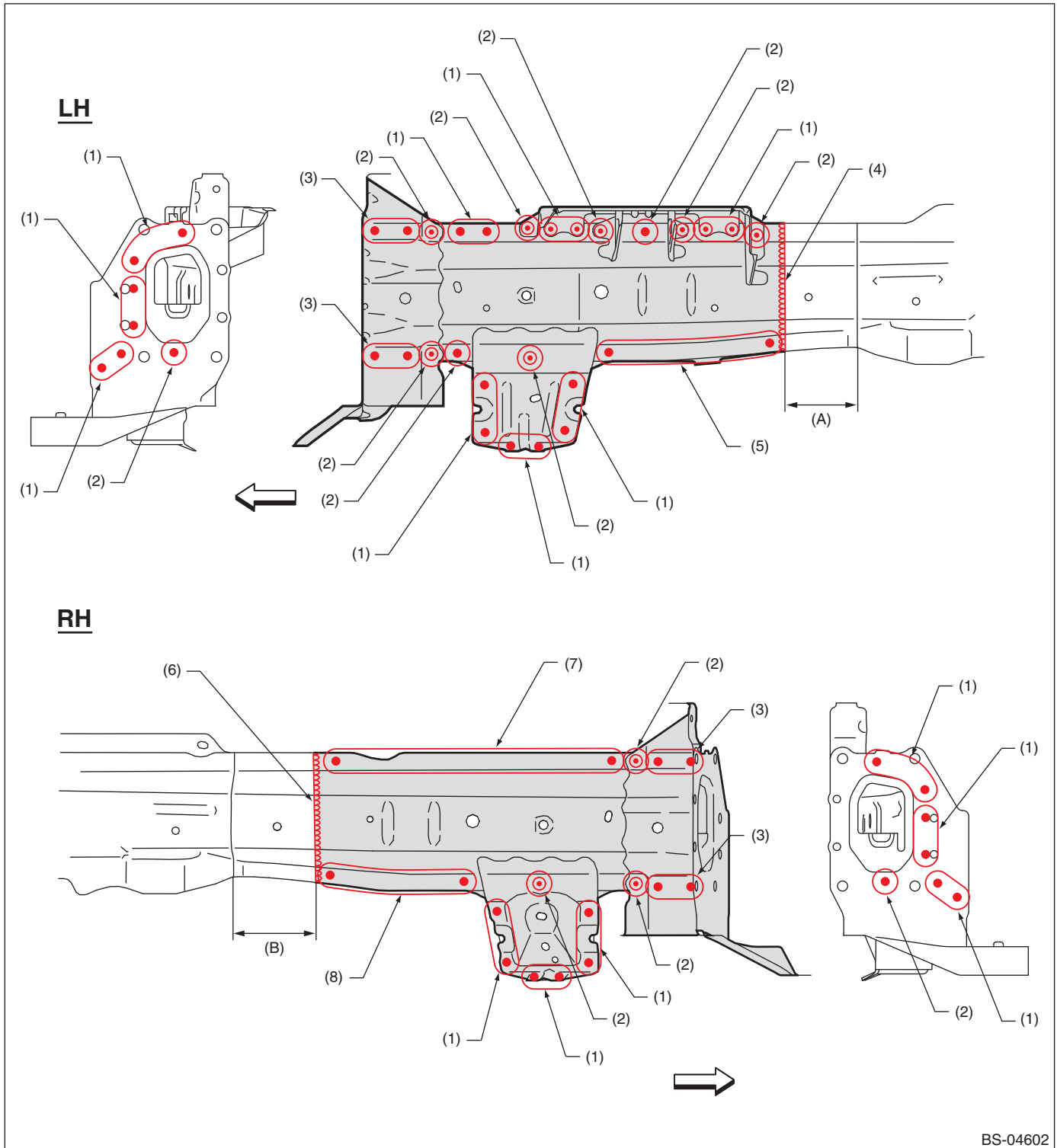
(3) 3 points (outside · 1)

(6) Closing plate cut position

(9) 5 points (outside · 1)

# Panel Replacement

## B: INSTALLATION



BS-04602

(A) 85 mm (3.35 in)

(B) 110 mm (4.33 in)

(1) 2 points

(4) 1 point [140 mm (5.51 in)]

(7) 7 points

(2) 1 point

(5) 6 points

(8) 5 points

(3) 3 points

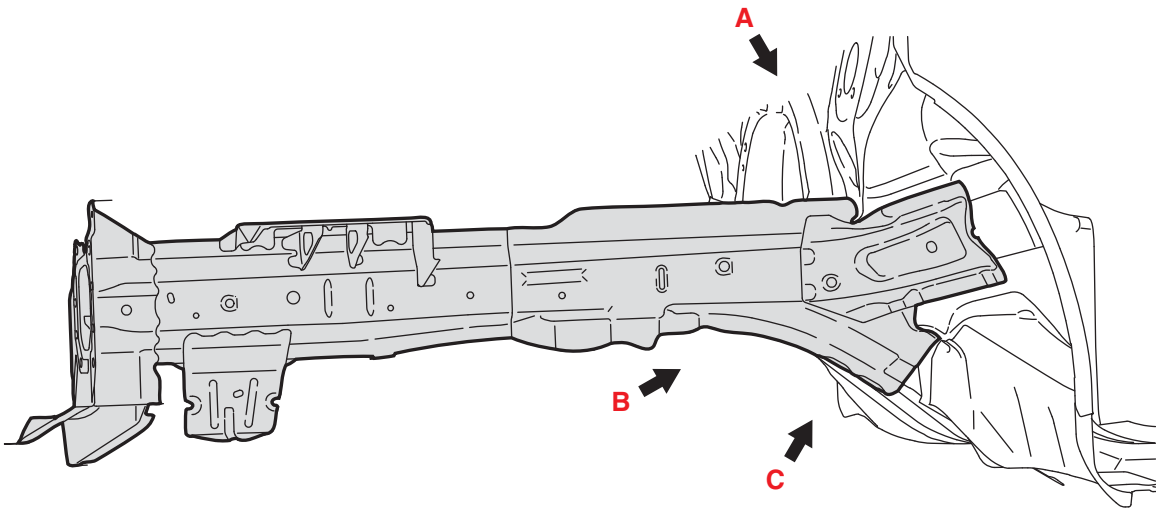
(6) 1 point [145 mm (5.71 in)]

## Panel Replacement

### 11-8. Front Side Frame (total replacement)

#### A: REMOVAL

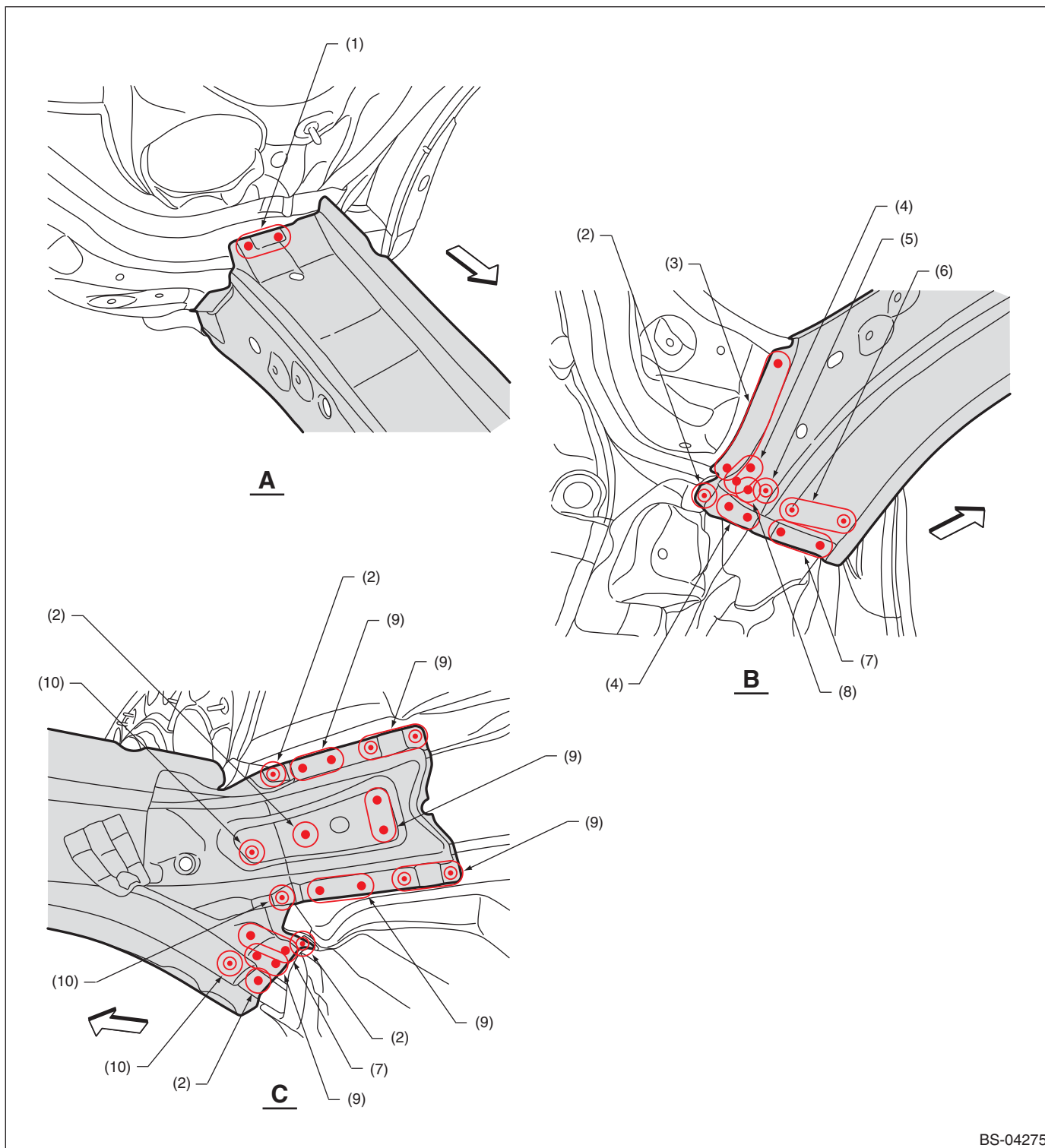
- Overall view (radiator panel and front wheel apron removal condition)



BS-04603

# Panel Replacement

## • Views



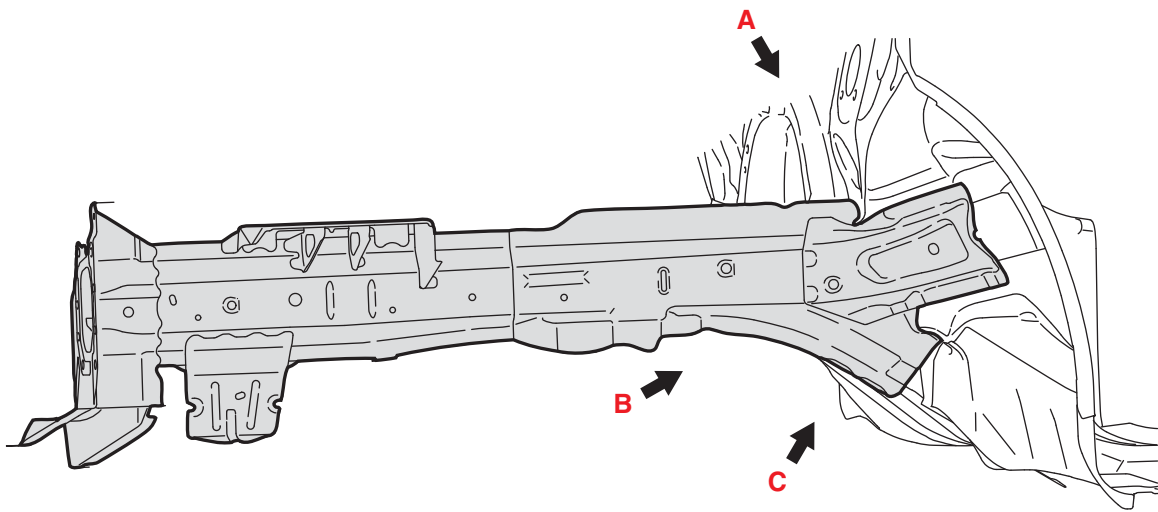
BS-04275

- |                            |                            |                            |
|----------------------------|----------------------------|----------------------------|
| (1) 2 points (top · 1)     | (5) 1 point (inside · 2)   | (9) 2 points (outside · 1) |
| (2) 1 point (outside · 1)  | (6) 3 points (outside · 2) | (10) 1 point (outside · 2) |
| (3) 5 points (outside · 1) | (7) 3 points (outside · 1) |                            |
| (4) 2 points (inside · 1)  | (8) 1 point (inside · 1)   |                            |

## Panel Replacement

### B: INSTALLATION

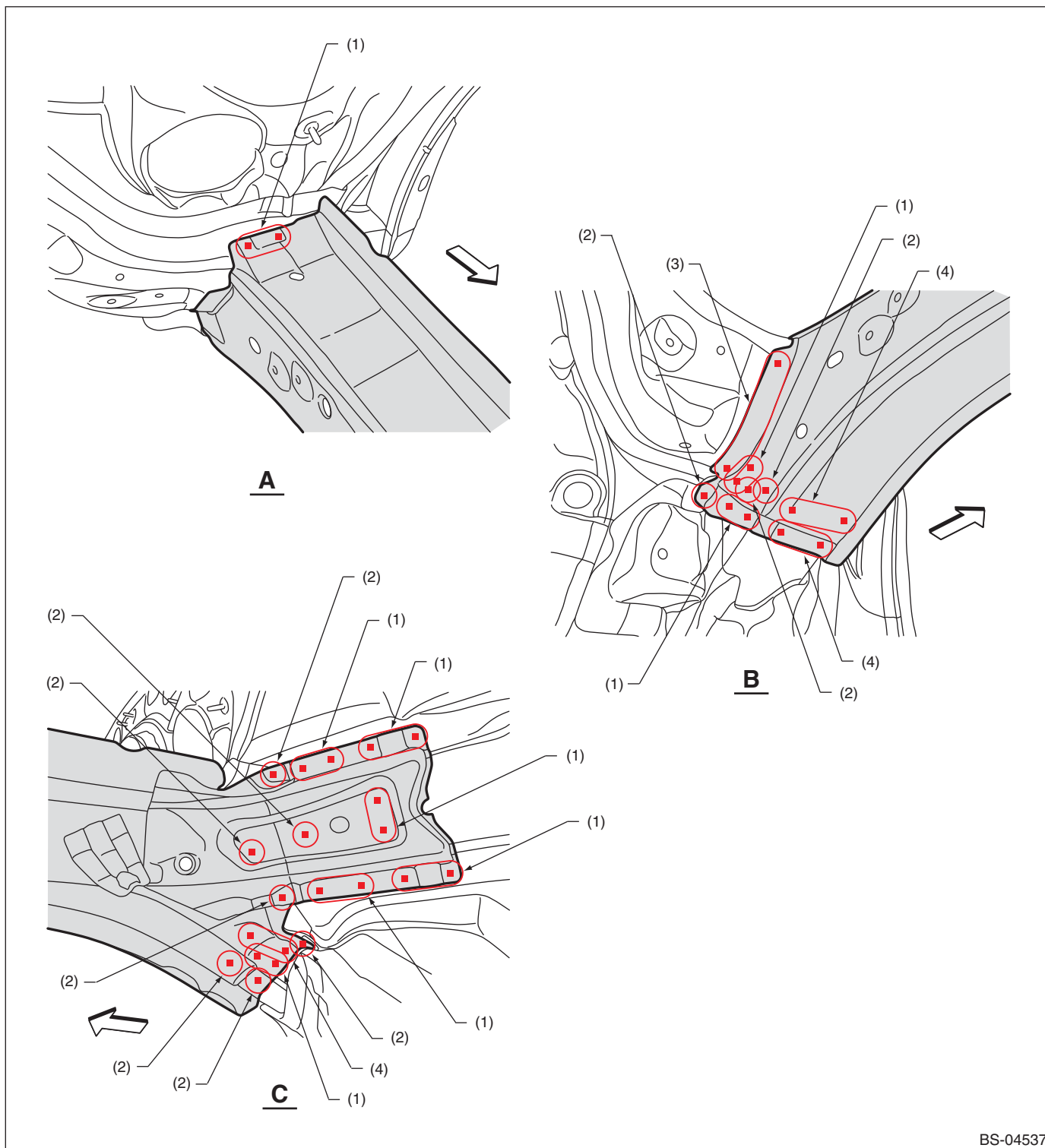
- Overall view



BS-04604

# Panel Replacement

## • Views



(1) 2 points (service)

(3) 5 points (service)

(4) 3 points (service)

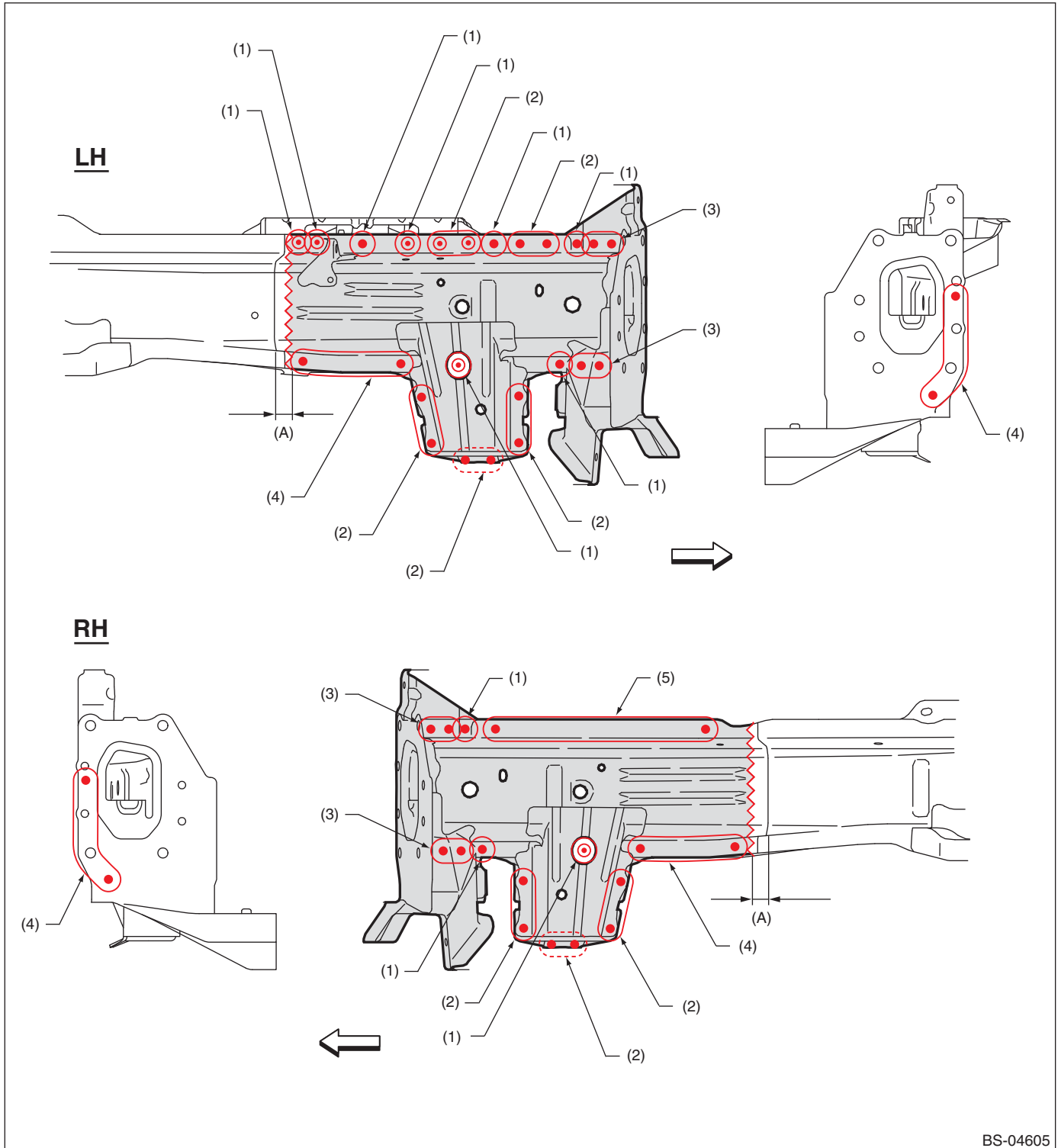
(2) 1 point (service)

## Panel Replacement

### 11-9. Front Side Frame (partial replacement)

#### A: REMOVAL

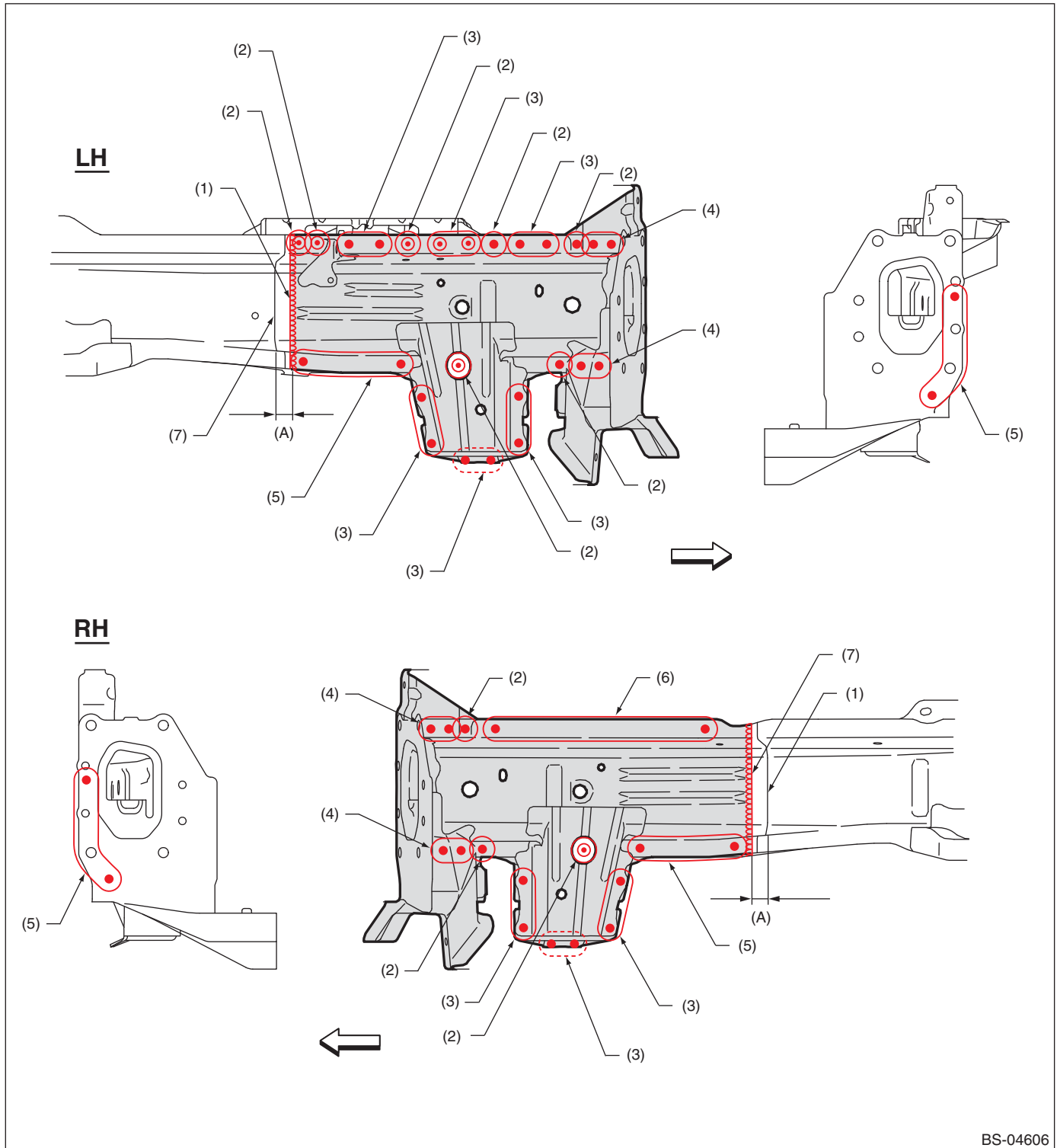
- Radiator panel and front wheel apron removal condition



BS-04605

# Panel Replacement

## B: INSTALLATION



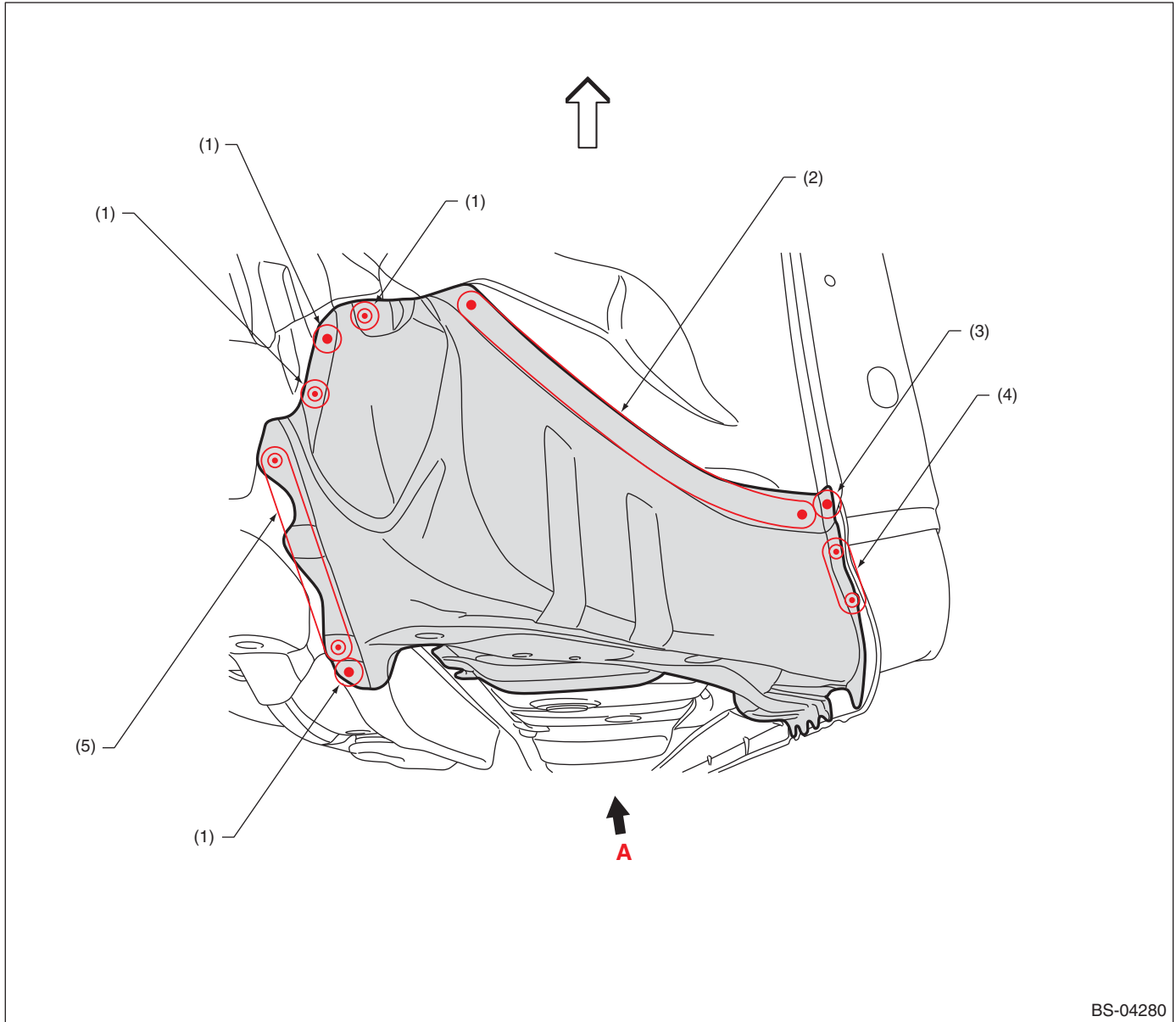
BS-04606

## Panel Replacement

### 11-10. Toe Board Lower Reinforcement (total replacement)

#### A: REMOVAL

- Overall view



BS-04280

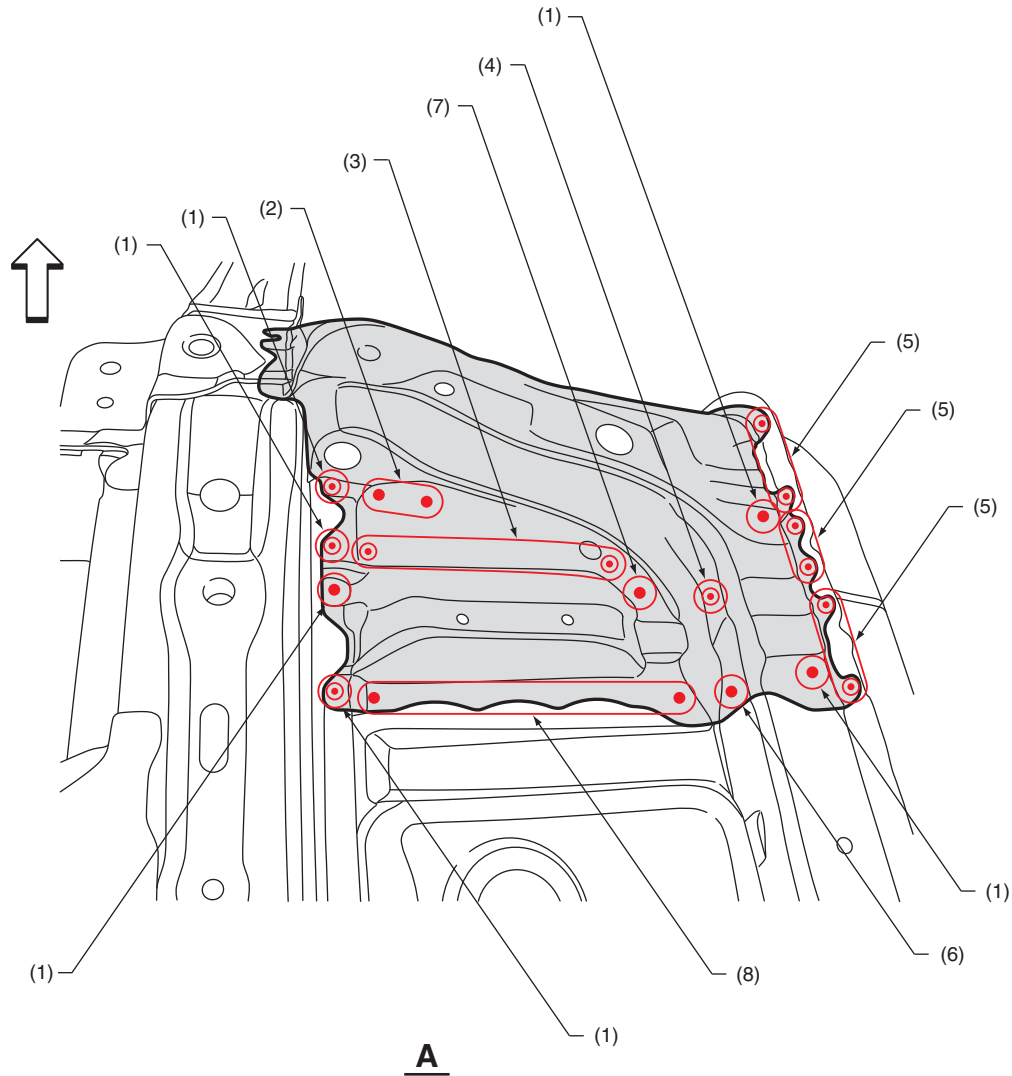
(1) 1 point (outside · 1)  
(2) 7 points (outside · 1)

(3) 1 point (inside · 1, belt sander)  
(4) 2 points (inside · 1, belt sander)

(5) 3 points (outside · 1)

# Panel Replacement

## • Views



BS-04281

- (1) 1 point (bottom · 1)
- (2) 2 points (top · 1)
- (3) 5 points (top · 2)

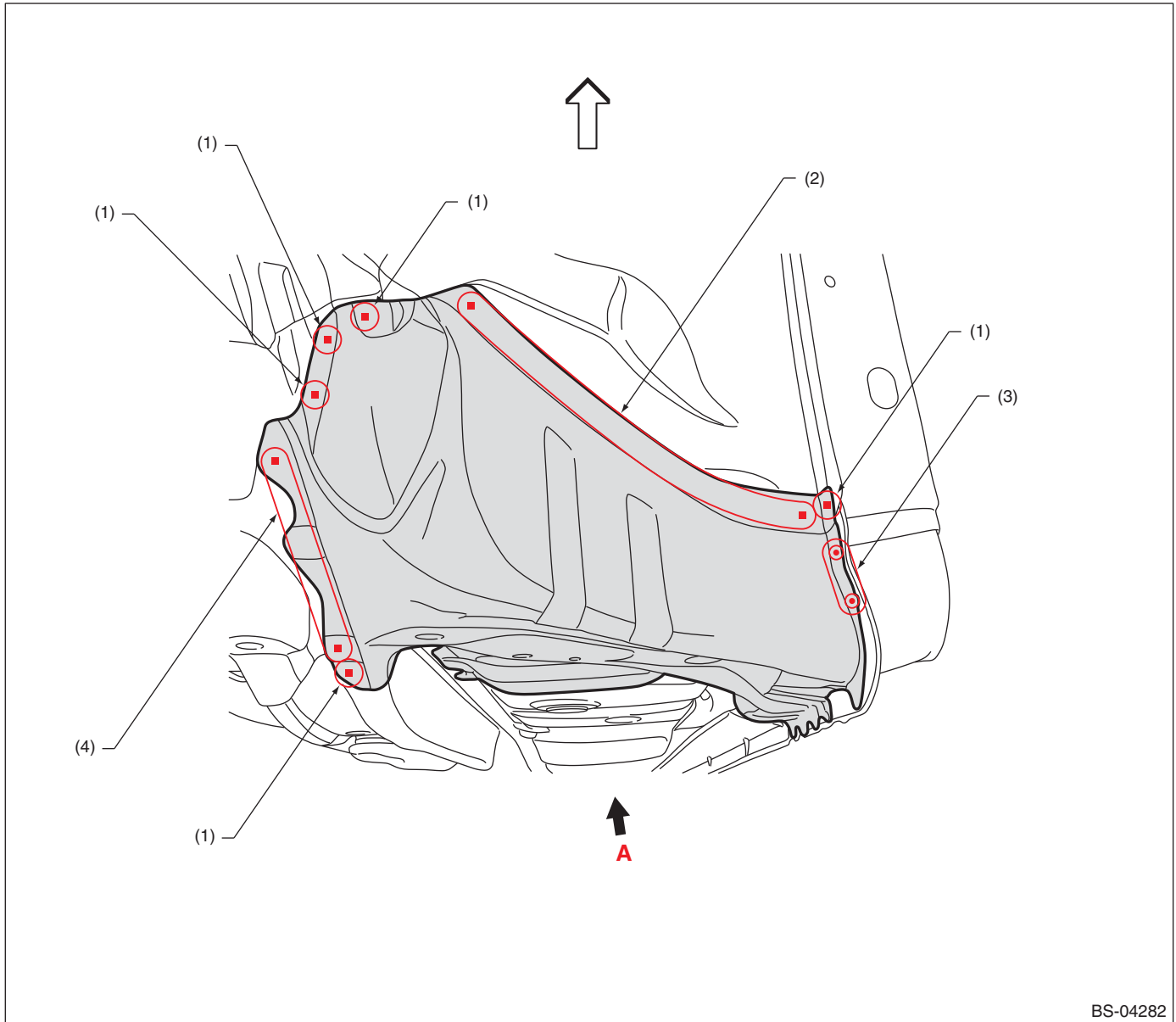
- (4) 1 point (inside · 1, belt sander)
- (5) 2 points (inside · 1)
- (6) 1 point (inside · 1)

- (7) 1 point (top · 1)
- (8) 5 points (top · 1)

# Panel Replacement

## B: INSTALLATION

### • Overall view



BS-04282

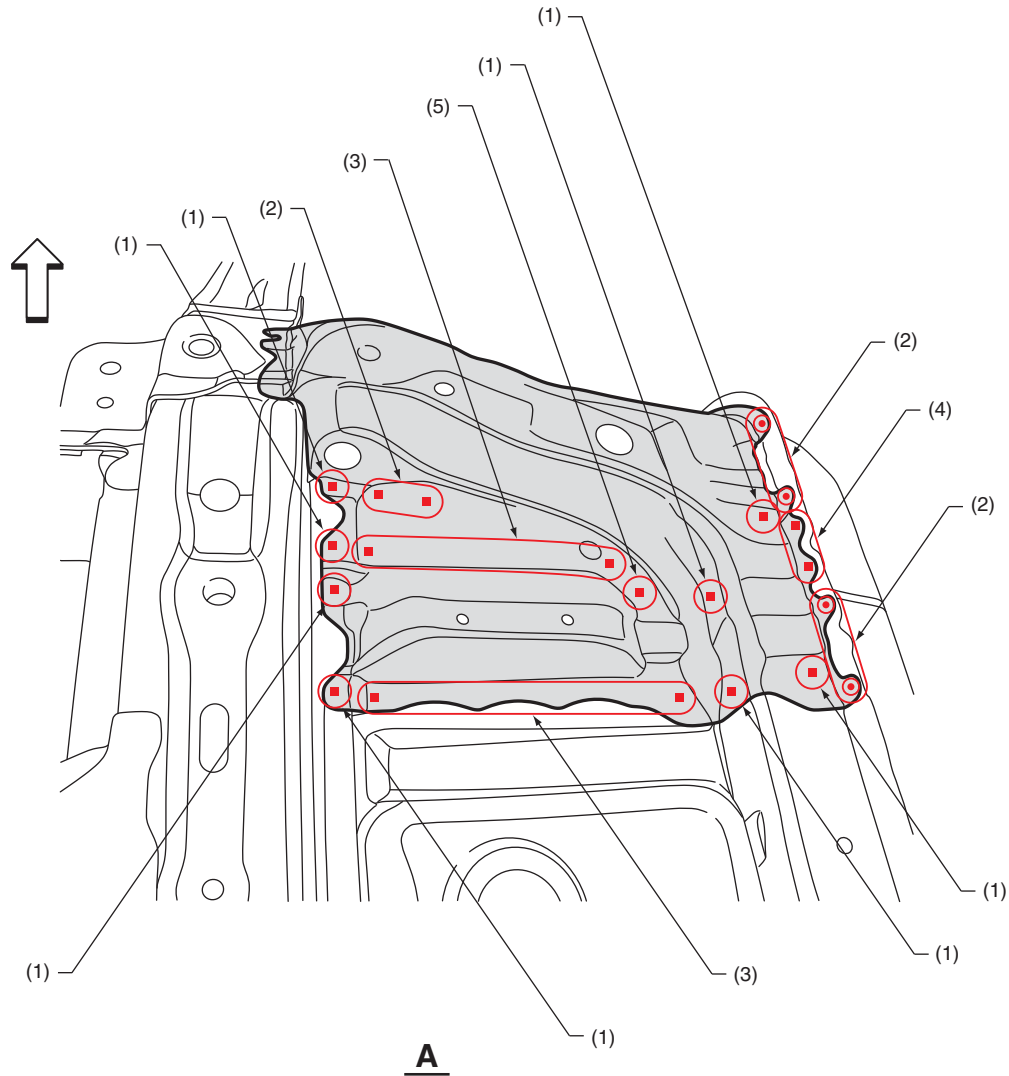
(1) 1 point (service)  
(2) 8 points (service)

(3) 2 points

(4) 3 points (service)

# Panel Replacement

## • Views



BS-04283

(1) 1 point (service)  
(2) 2 points

(3) 5 points  
(4) 2 points (service)

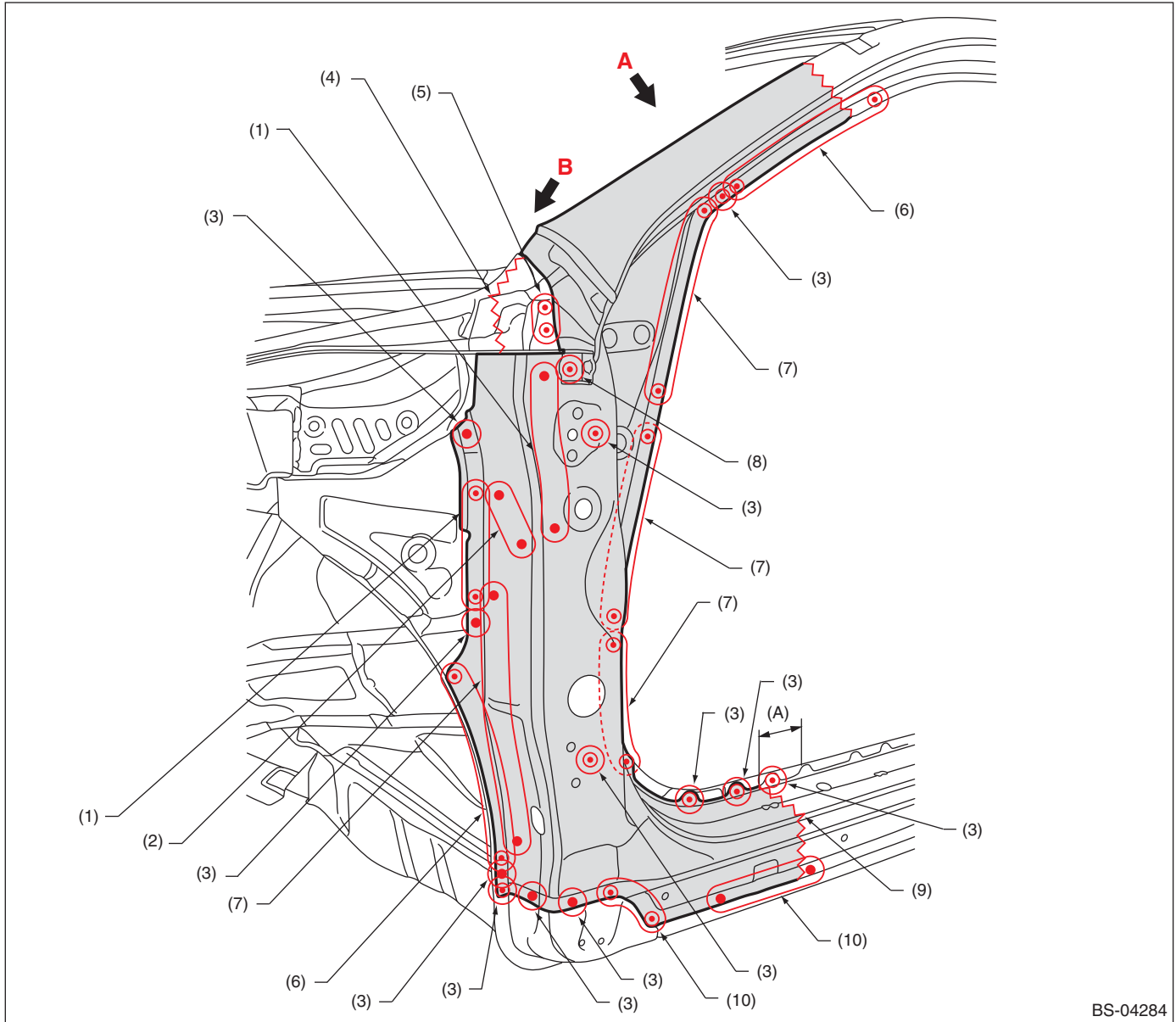
(5) 1 point

## Panel Replacement

### 11-11. Front Pillar (partial replacement)

#### A: REMOVAL

- Overall view (side upper frame removal condition)

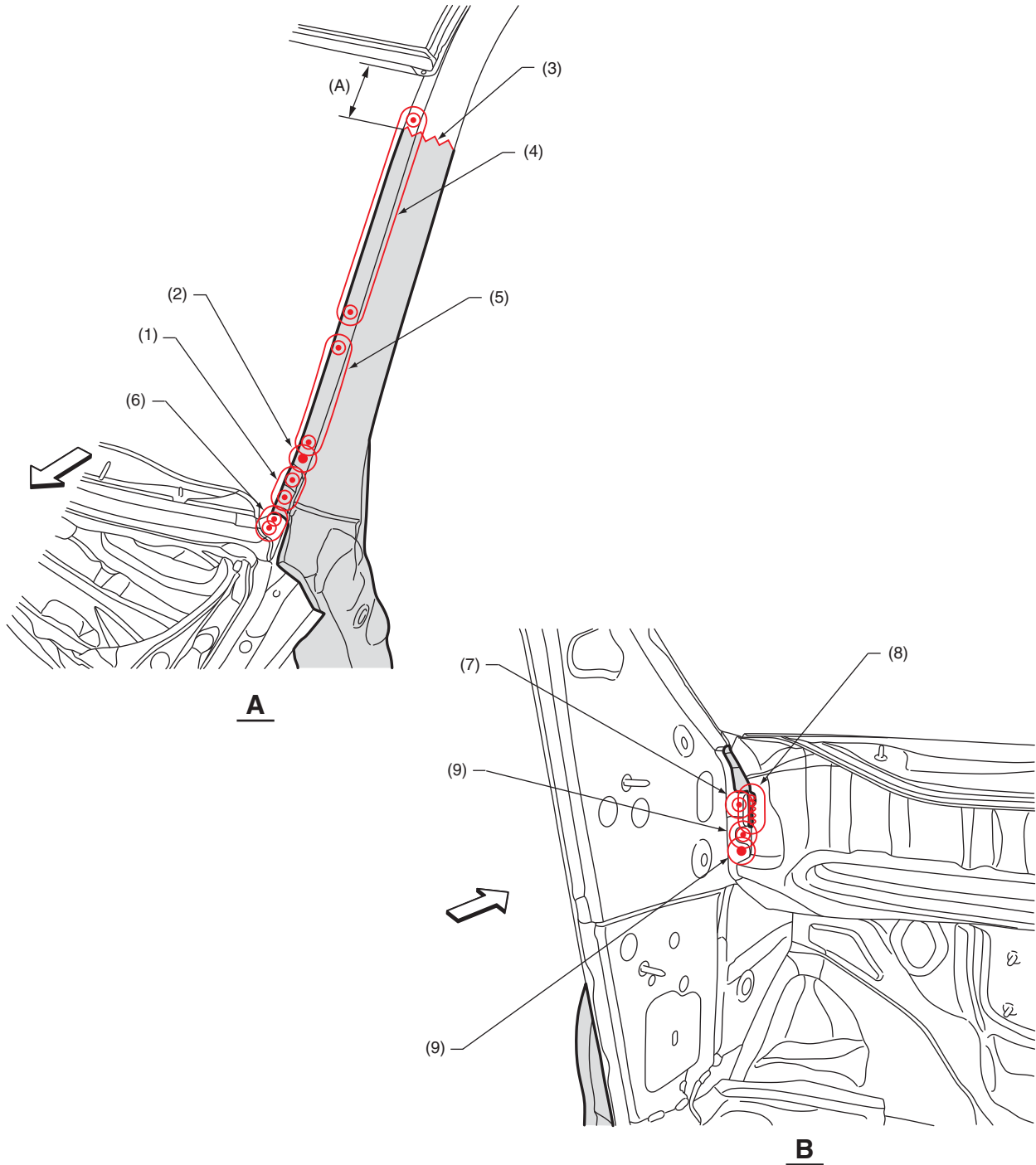


(A) 70 mm (2.76 in)

- |                            |                            |                             |
|----------------------------|----------------------------|-----------------------------|
| (1) 4 points (outside · 1) | (5) 2 points (outside · 2) | (9) Rough cutting           |
| (2) 2 points (outside · 1) | (6) 8 points (outside · 1) | (10) 3 points (outside · 1) |
| (3) 1 point (outside · 1)  | (7) 5 points (outside · 1) |                             |
| (4) Cut position           | (8) 1 point (outside · 2)  |                             |

# Panel Replacement

## • Views



BS-04285

(A) 100 mm (3.94 in)

(1) 2 points (outside · 1)

(2) 1 point (outside · 1)

(3) Rough cutting

(4) 8 points (outside · 1)

(5) 4 points (outside · 1)

(6) 2 points (outside · 2)

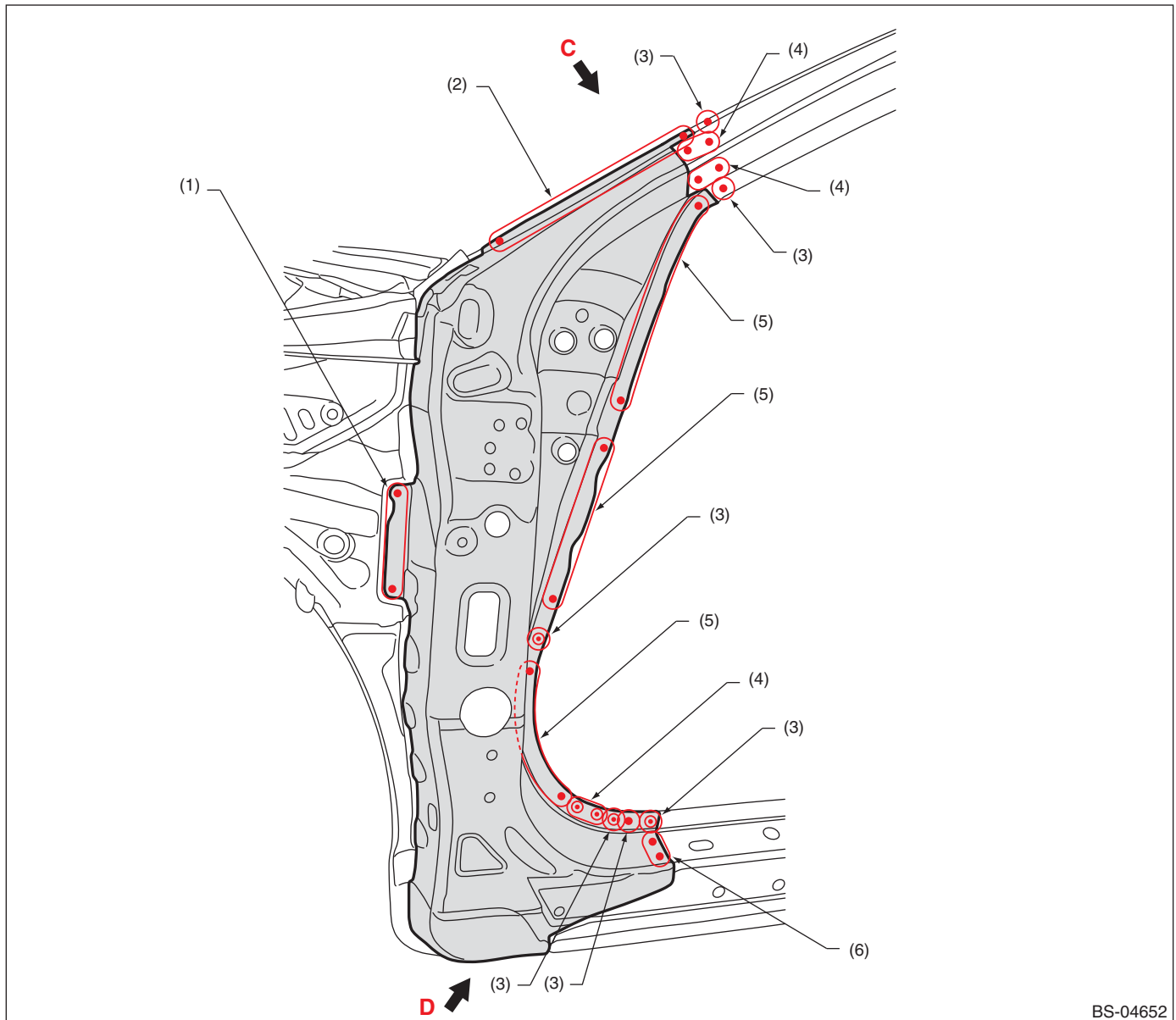
(7) 1 point (inside · 2)

(8) 1 point (inside · 2, belt sander)

(9) 1 point (inside · 1)

## Panel Replacement

- Overall view (front pillar outer removal condition)



BS-04652

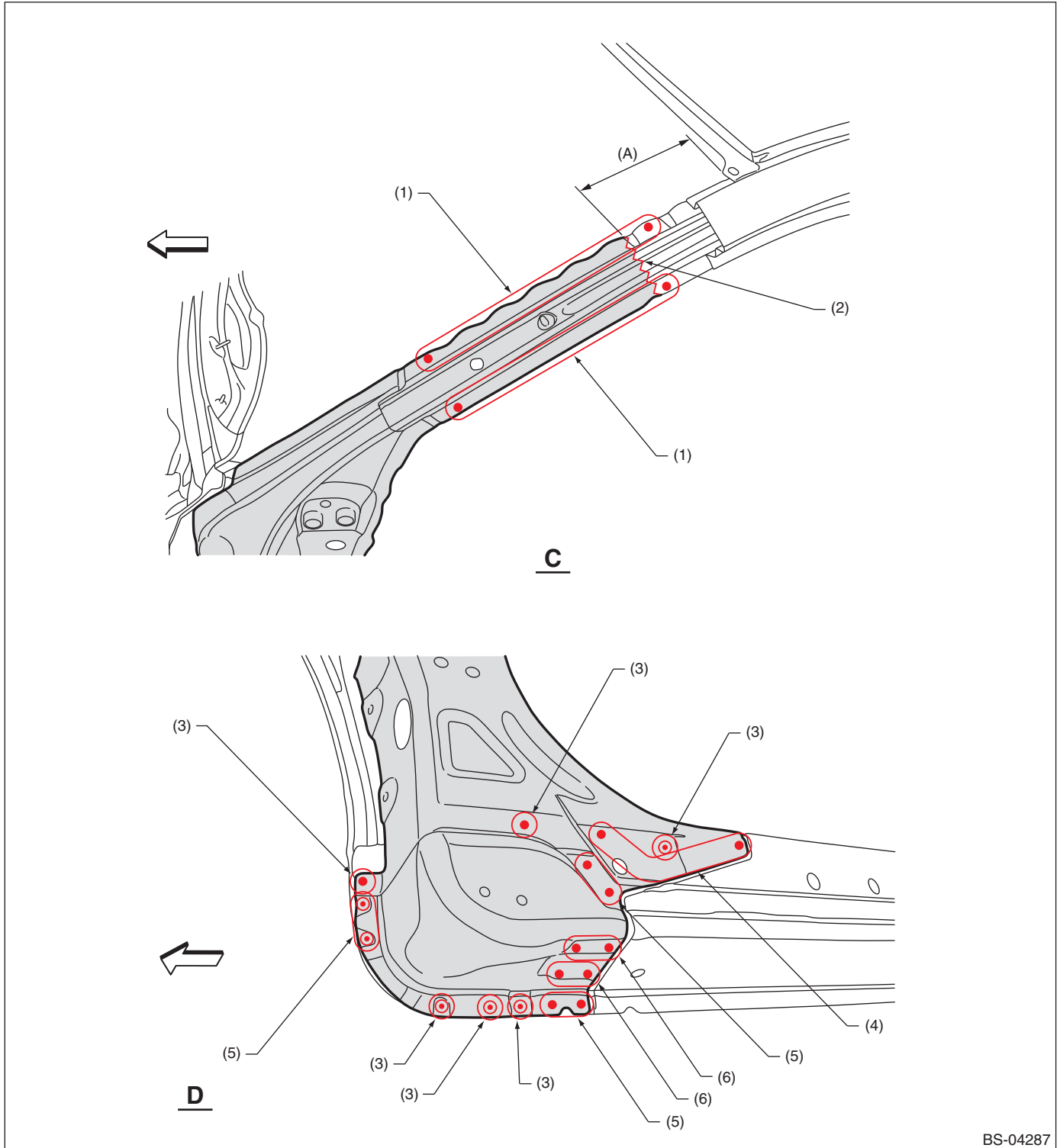
(1) 4 points (outside · 1)  
(2) 6 points (outside · 1)

(3) 1 point (outside · 1)  
(4) 2 points (outside · 1)

(5) 5 points (outside · 1)  
(6) 2 points (top · 1)

# Panel Replacement

## • Views



BS-04287

(A) 130 mm (5.12 in)

(1) 7 points (outside · 1)

(2) Rough cutting

(3) 1 point (outside · 1)

(4) 3 points (outside · 1)

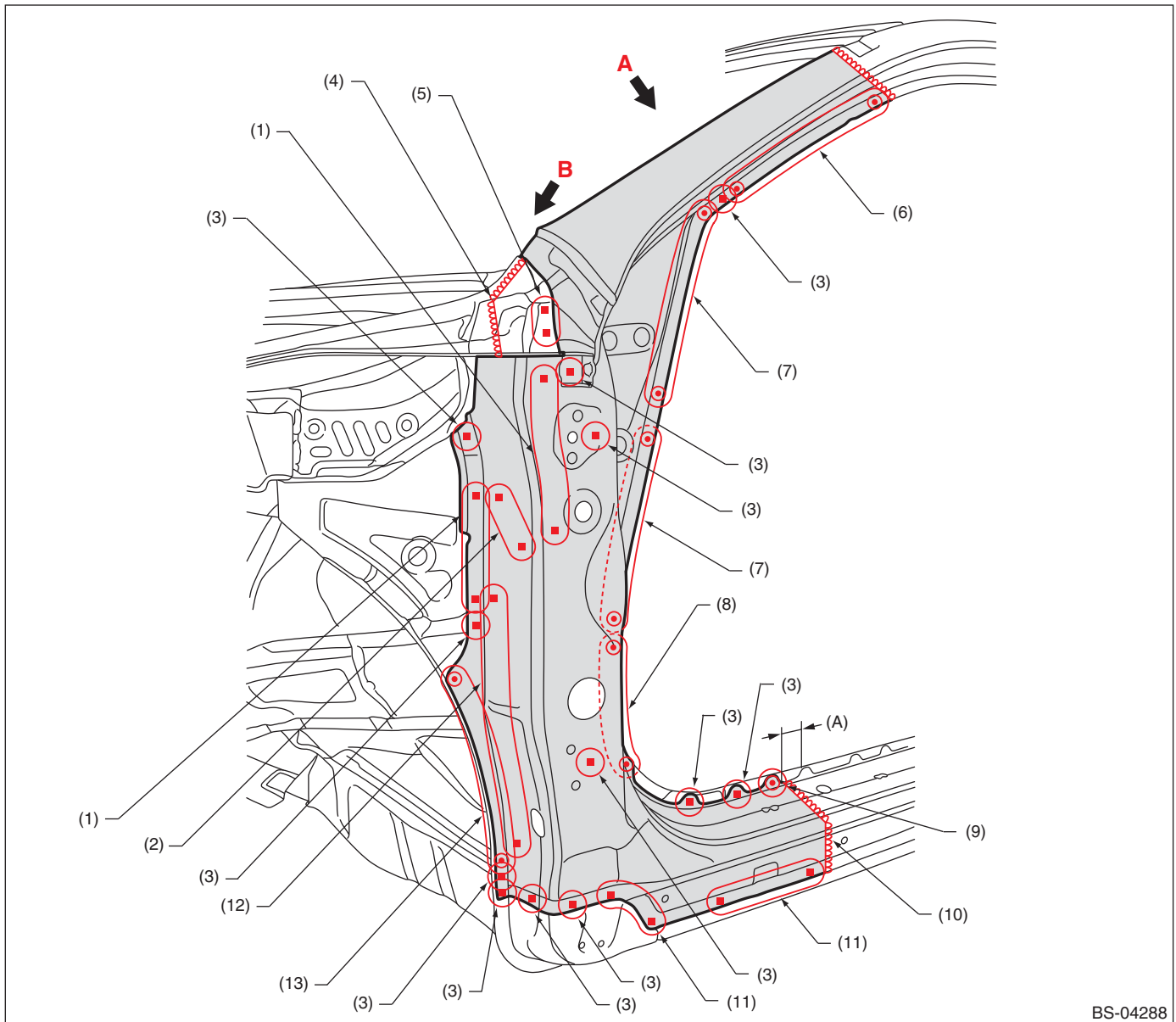
(5) 2 points (outside · 1)

(6) 2 points (bottom · 1)

# Panel Replacement

## B: INSTALLATION

### • Overall view



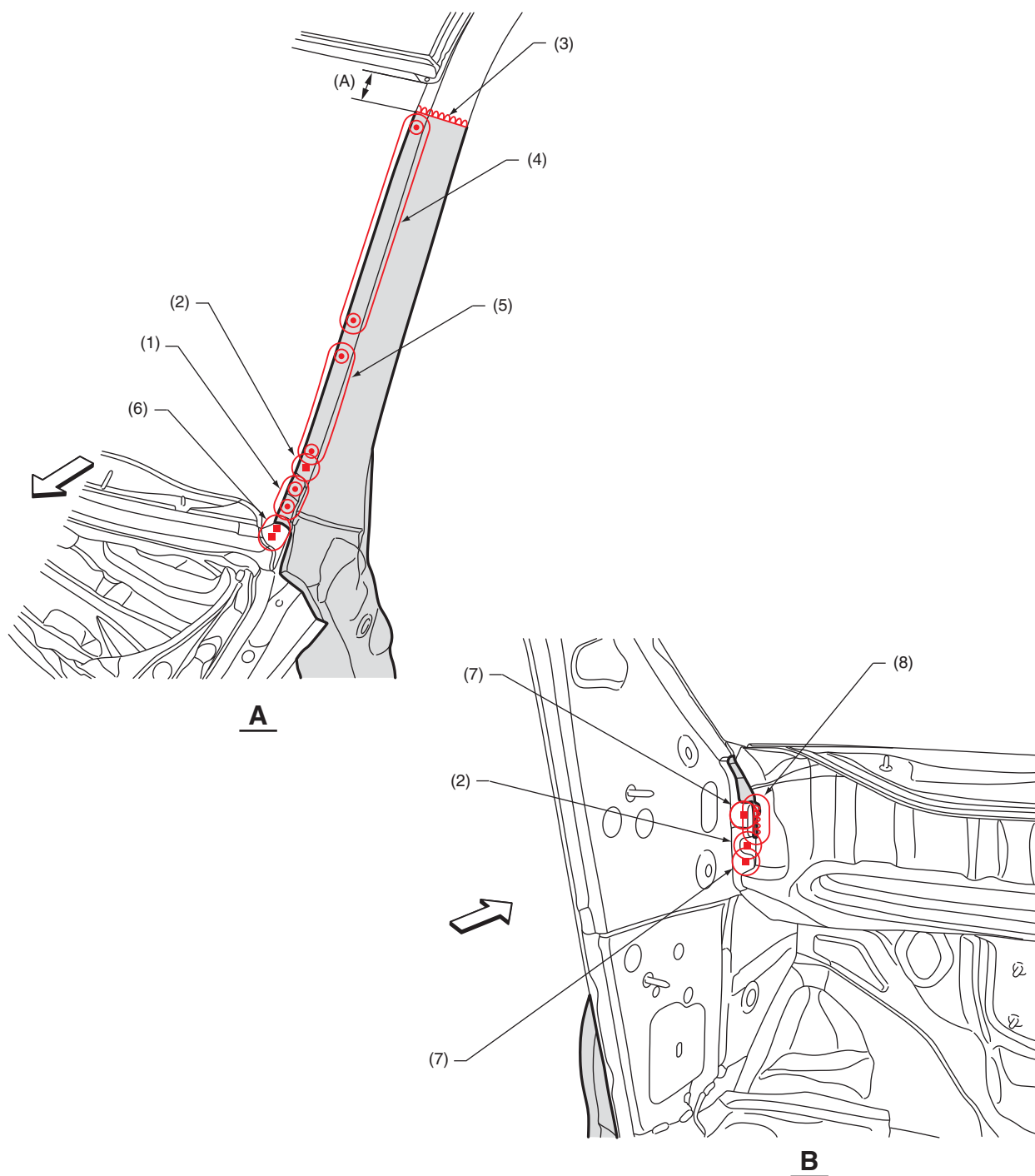
BS-04288

(A) 30 mm (1.18 in)

- |                                   |                                 |                         |
|-----------------------------------|---------------------------------|-------------------------|
| (1) 4 points (service)            | (6) 10 points                   | (11) 3 points (service) |
| (2) 2 points (service)            | (7) 5 points                    | (12) 5 points (service) |
| (3) 1 point (service)             | (8) 6 points                    | (13) 8 points           |
| (4) 1 point [180 mm (7.09 in)]    | (9) 1 point                     |                         |
| (5) 2 points (service · matching) | (10) 1 point [160 mm (6.30 in)] |                         |

# Panel Replacement

## • Views



BS-04289

(A) 60 mm (2.36 in)

(1) 2 points

(2) 1 point (service)

(3) 1 point [180 mm (7.09 in)]

(4) 8 points

(5) 4 points

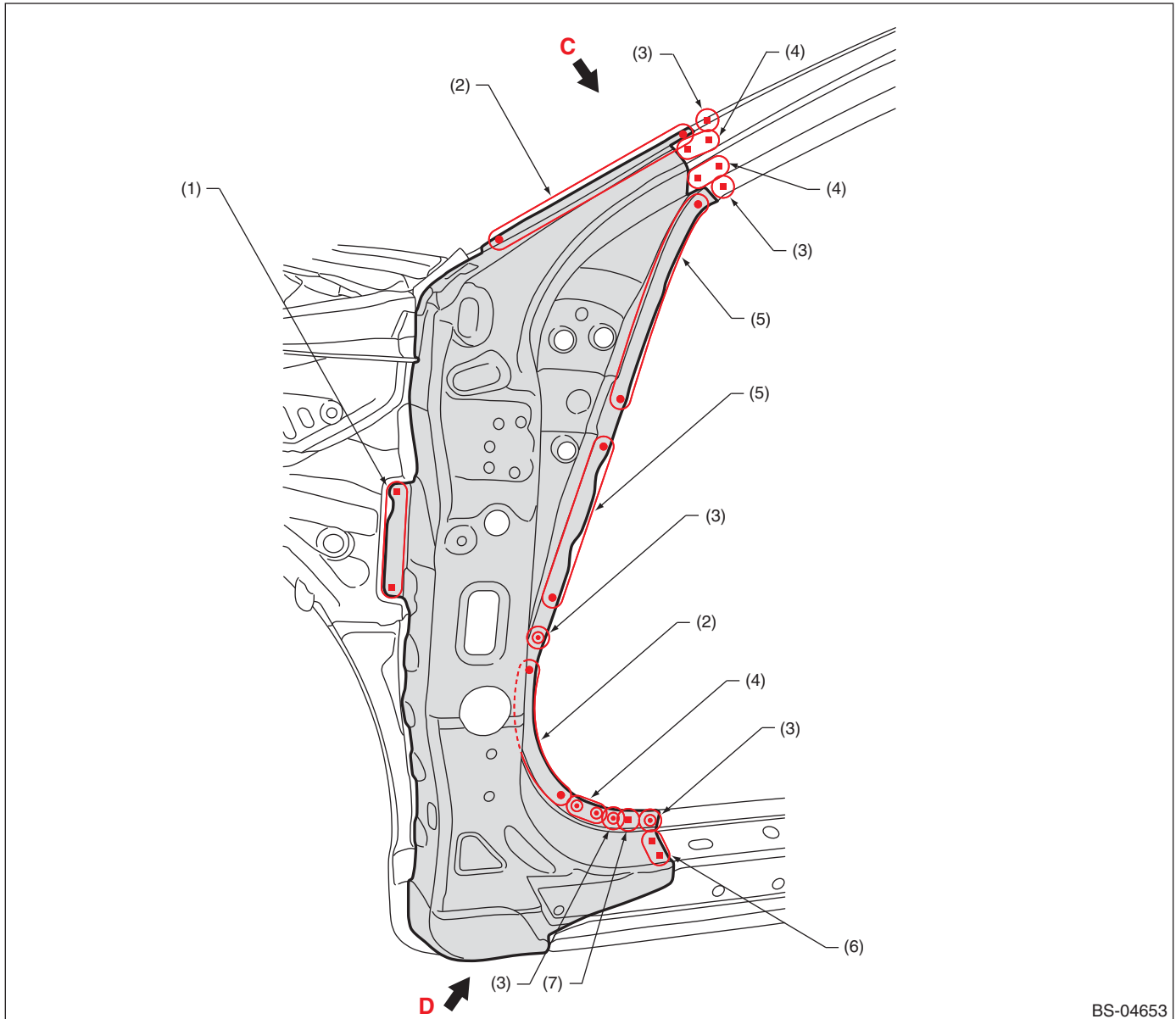
(6) 2 points (service · matching)

(7) 1 point

(8) 1 point [30 mm (1.18 in)]

# Panel Replacement

- Overall view



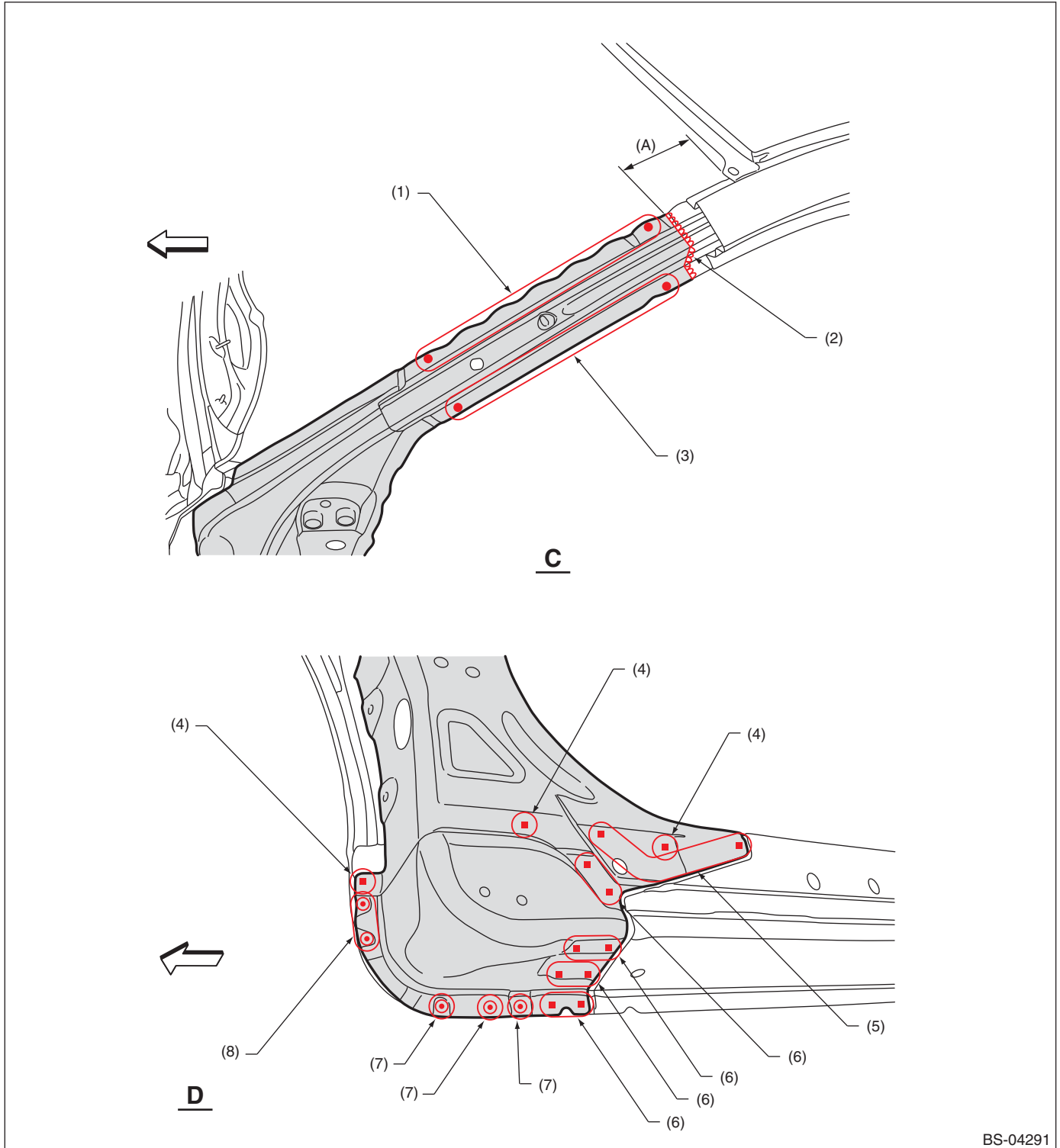
(1) 4 points (service)  
(2) 6 points  
(3) 1 point

(4) 2 points  
(5) 5 points  
(6) 2 points (service)

(7) 1 point (service)

# Panel Replacement

## • Views



BS-04291

(A) 100 mm (3.94 in)

(1) 7 points

(2) 1 point [140 mm (5.51 in)]

(3) 9 points

(4) 1 point (service)

(5) 3 points (service)

(6) 2 points (service)

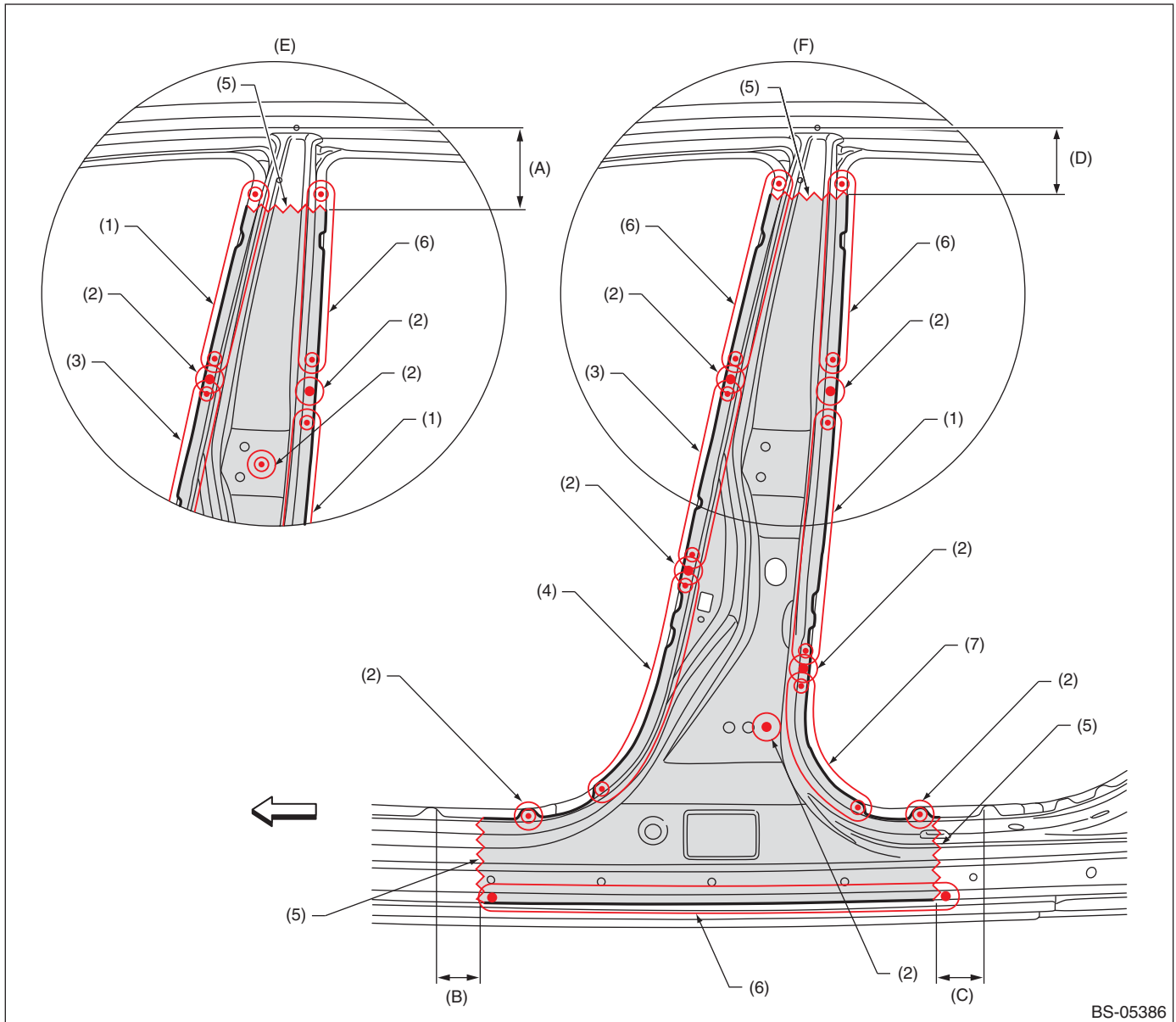
(7) 1 point

(8) 2 points

# Panel Replacement

## 11-12. Center Pillar (partial replacement)

### A: REMOVAL



BS-05386

(A) 150 mm (5.91 in)

(C) 80 mm (3.15 in)

(E) All models from 2009MY to 2011MY and sedan models from 2012MY onward.

(B) 70 mm (2.76 in)

(D) 115 mm (4.53 in)

(F) OUTBACK from 2012MY onward.

(1) 8 points (outside · 1)

(4) 11 points (outside · 1)

(7) 7 points (outside · 1)

(2) 1 point (outside · 1)

(5) Rough cutting

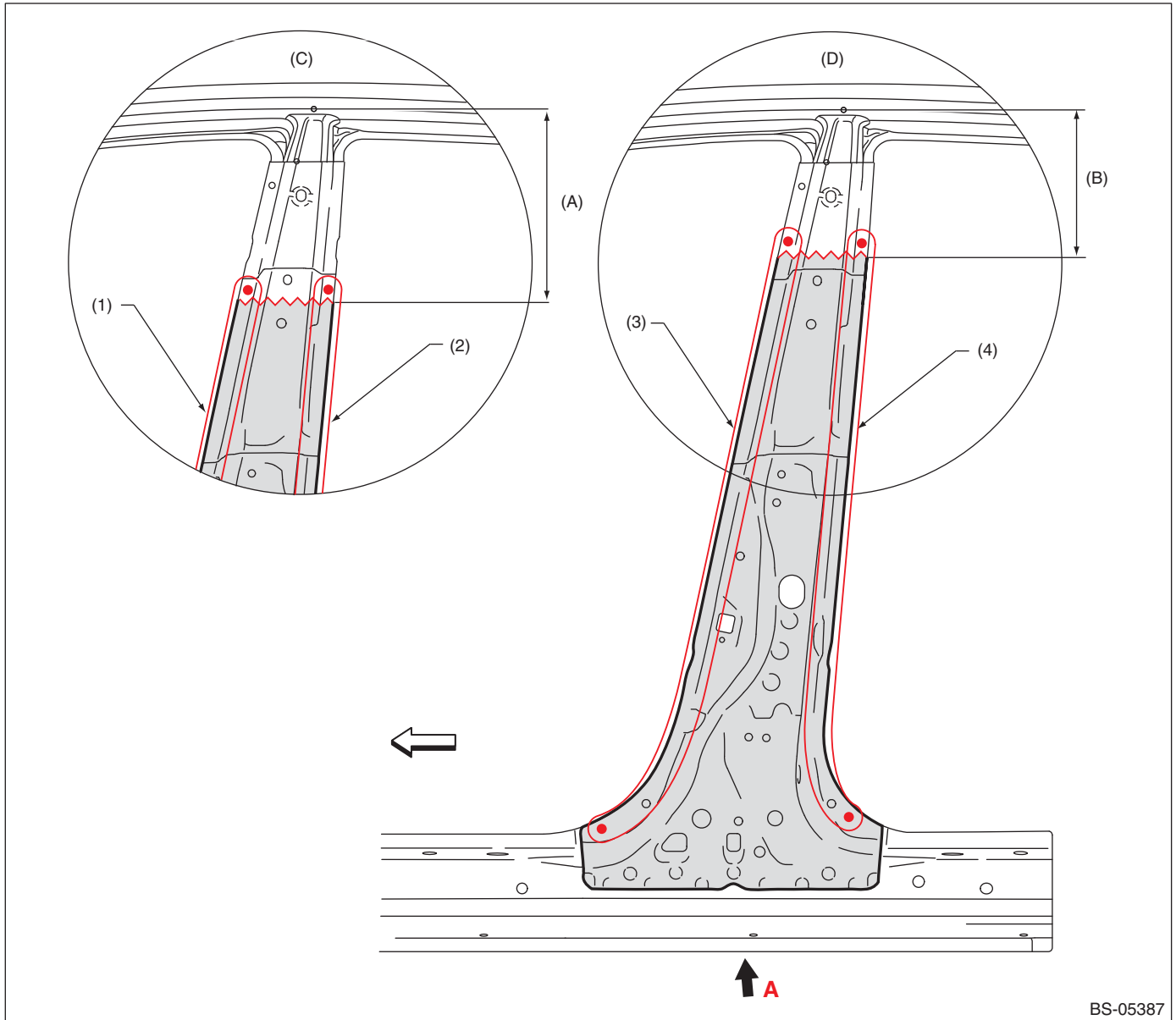
(8) 7 points (outside · 1)

(3) 6 points (outside · 1)

(6) 9 points (outside · 1)

# Panel Replacement

- Overall view (center pillar outer removal condition)



BS-05387

(A) 255 mm (10.04 in)

(C) All models from 2009MY to 2011MY and sedan models from 2012MY onward.

(D) OUTBACK from 2012MY onward.

(B) 200 mm (7.87 in)

(1) 23 points (outside · 1)

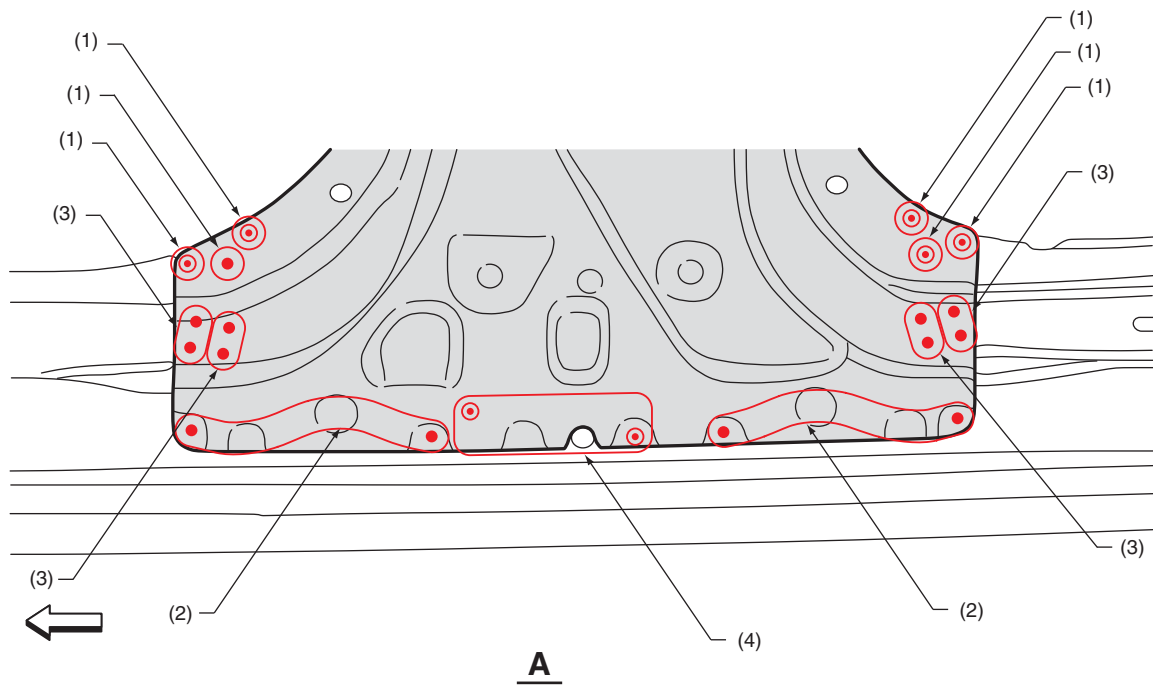
(3) 24 points (outside · 1)

(4) 22 points (outside · 1)

(2) 20 points (outside · 1)

# Panel Replacement

- Views



BS-04546

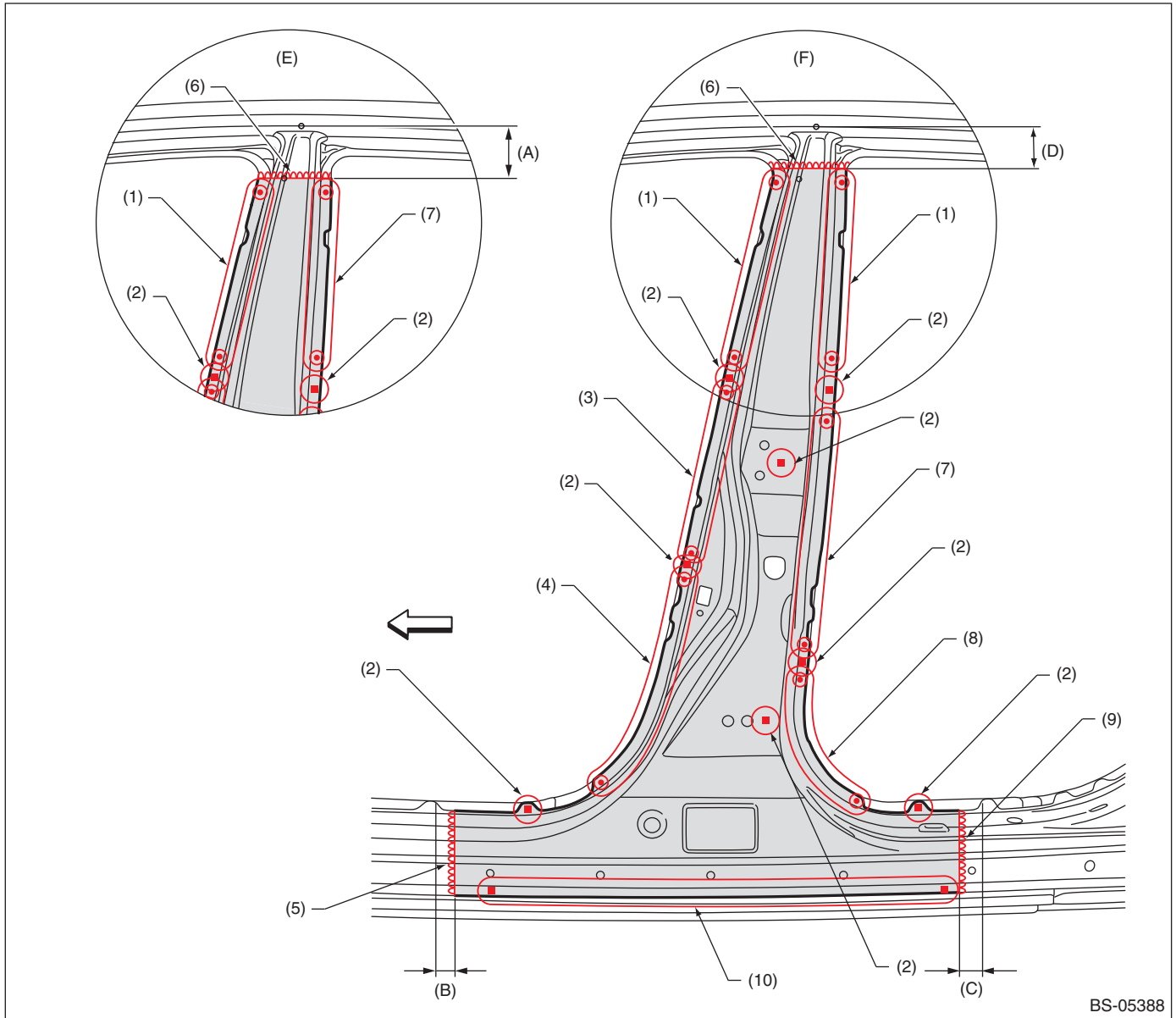
(1) 1 point (outside · 1)  
(2) 4 points (outside · 1)

(3) 2 points (top · 1)

(4) 4 points (outside · 2)

# Panel Replacement

## B: INSTALLATION



BS-05388

(A) 110 mm (4.33 in)

(C) 40 mm (1.57 in)

(E) All models from 2009MY to 2011MY and sedan models from 2012MY onward.

(B) 30 mm (1.18 in)

(D) 80 mm (3.15 in)

(F) OUTBACK from 2012MY onward.

(1) 9 points

(5) 1 point [160 mm (6.30 in)]

(9) 1 point [165 mm (6.50 in)]

(2) 1 point (service)

(6) 1 point [170 mm (6.69 in)]

(10) 9 points (service)

(3) 6 points

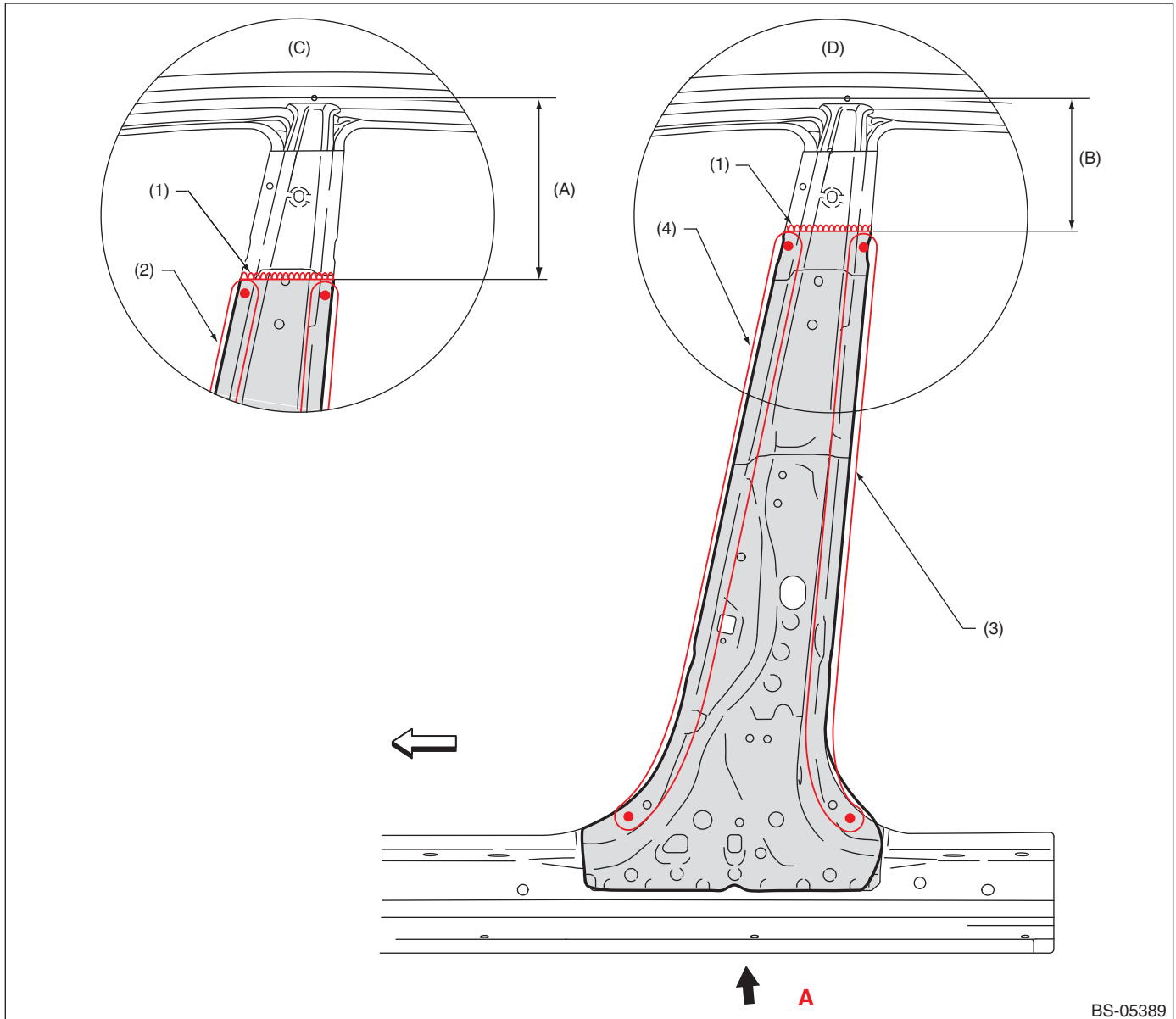
(7) 8 points

(4) 11 points

(8) 7 points

# Panel Replacement

## • Overall view



BS-05389

(A) 230 mm (9.05 in)

(C) All models from 2009MY to 2011MY and sedan models from 2012MY onward.

(D) OUTBACK from 2012MY onward.

(B) 160 mm (6.30 in)

(1) 1 point [160 mm (6.30 in)]

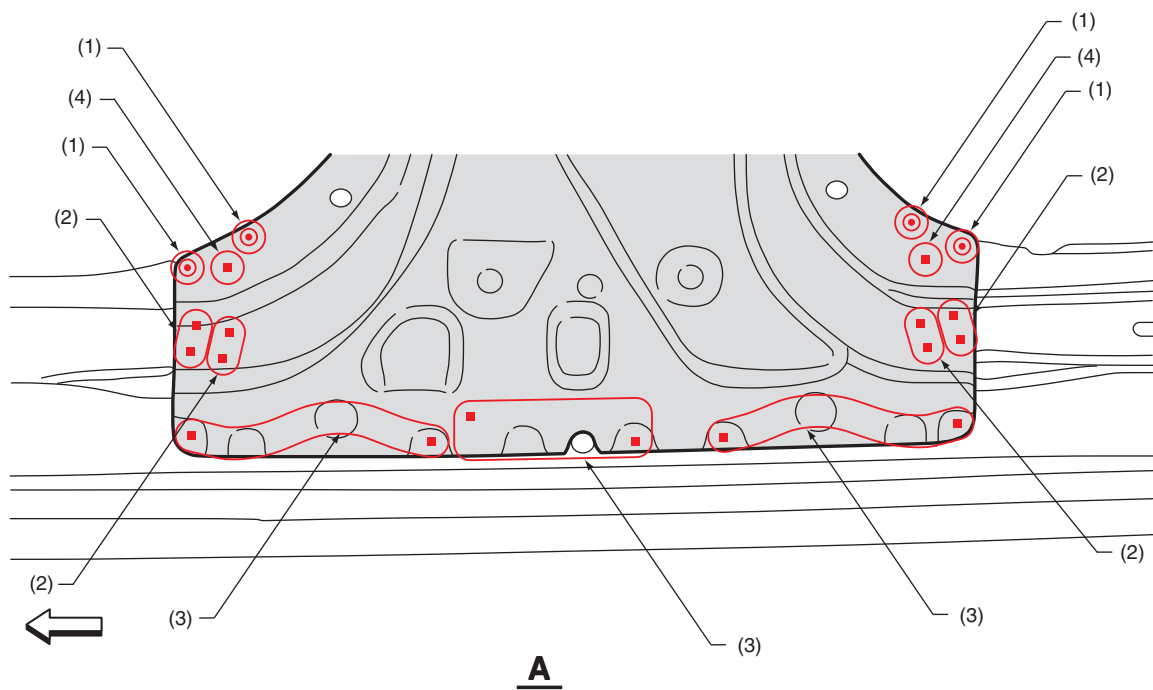
(3) 22 points

(4) 24 points

(2) 23 points

# Panel Replacement

- Views



BS-04547

(1) 1 point  
(2) 2 points (service)

(3) 4 points (service)

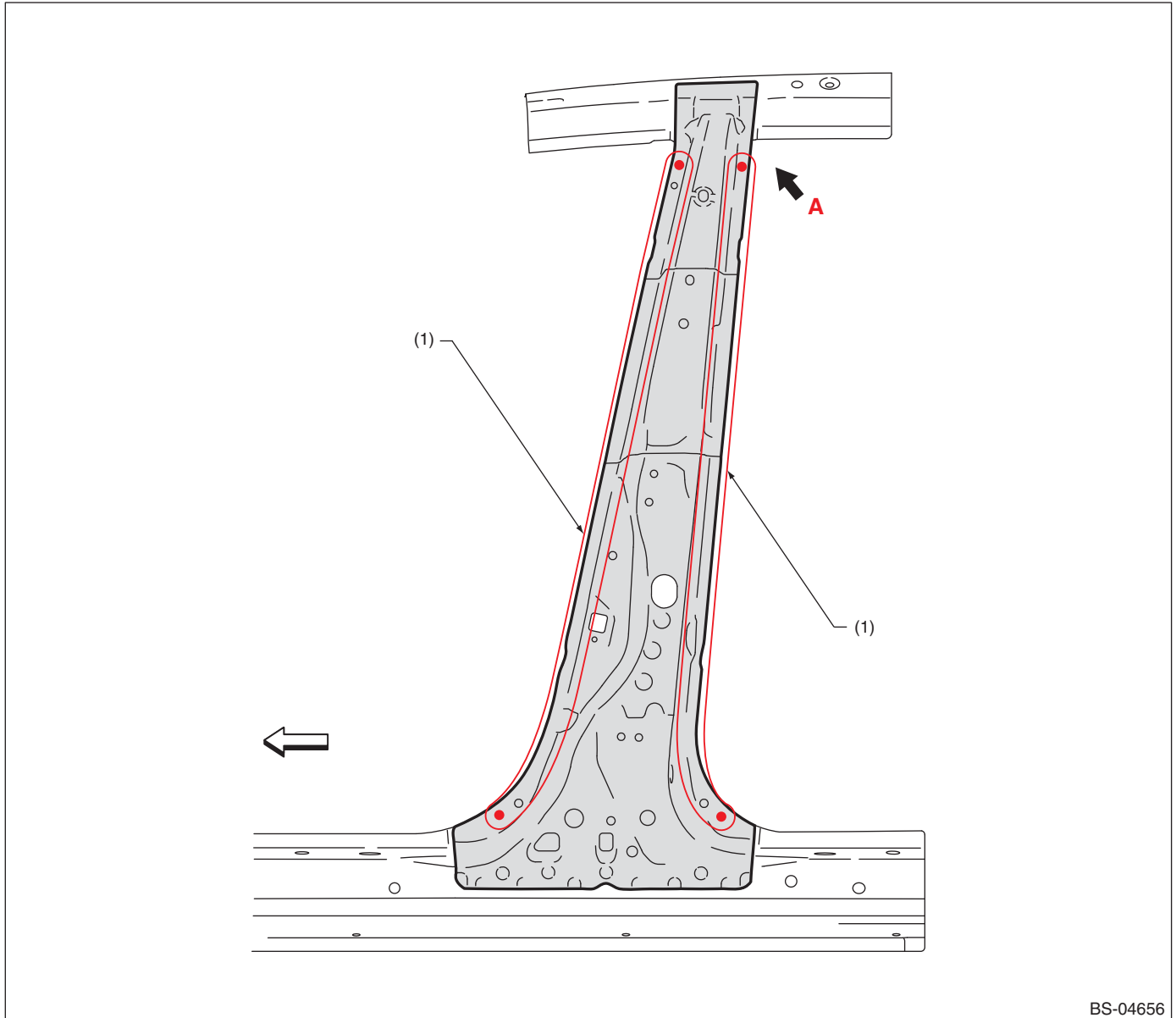
(4) 1 point (service)

## Panel Replacement

### 11-13. Center Pillar Reinforcement (total replacement)

#### A: REMOVAL

- Overall view (center pillar outer removal condition)

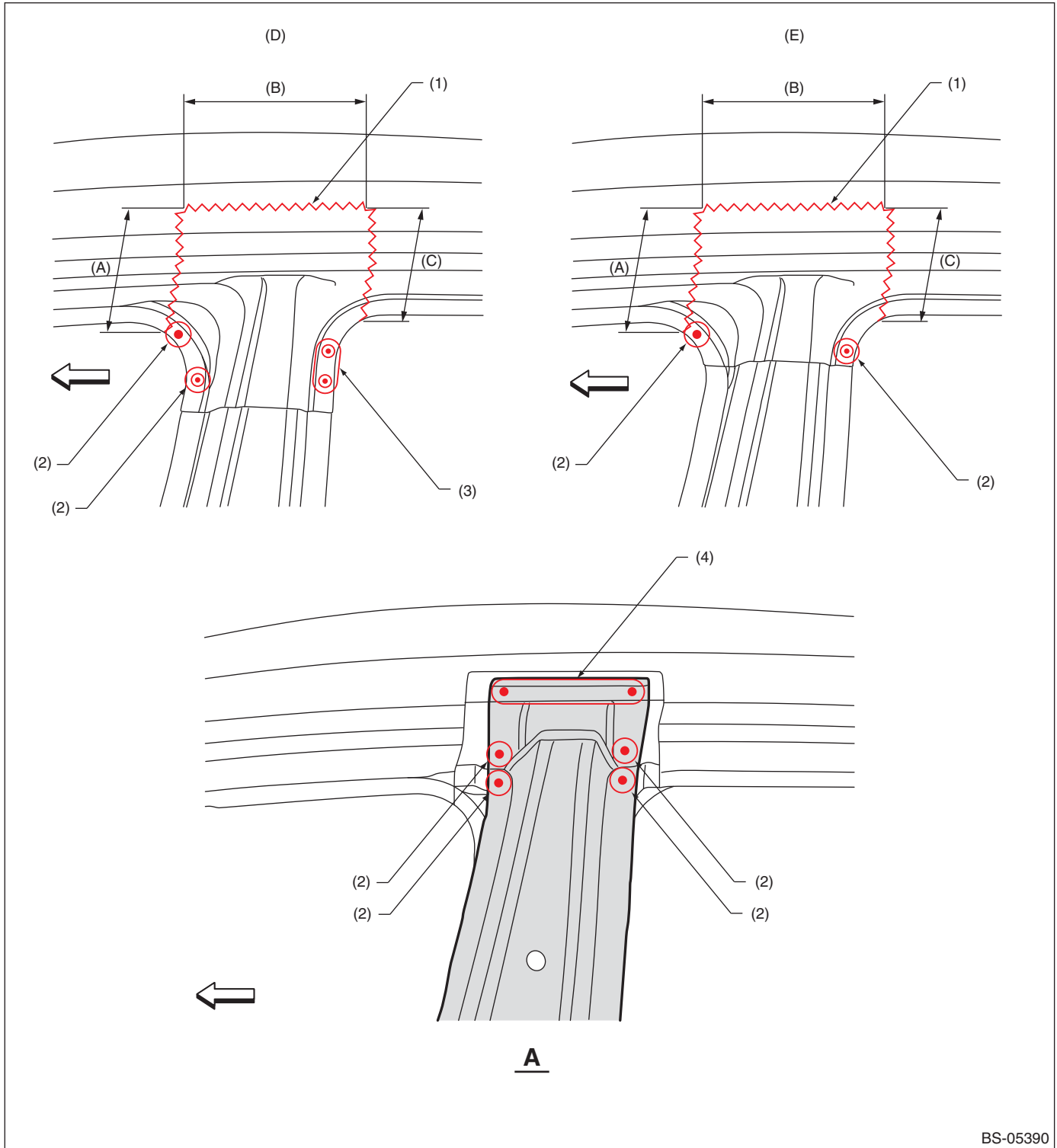


BS-04656

(1) 28 points (outside · 1)

# Panel Replacement

## • Views



(A) 130 mm (5.12 in)

(B) 150 mm (5.91 in)

(C) 125mm (4.92in)

(D) All models from 2009MY to 2011MY and sedan models from 2012MY onward.

(E) OUTBACK from 2012MY onward.

(1) Cut position

(2) 1 point (outside · 1)

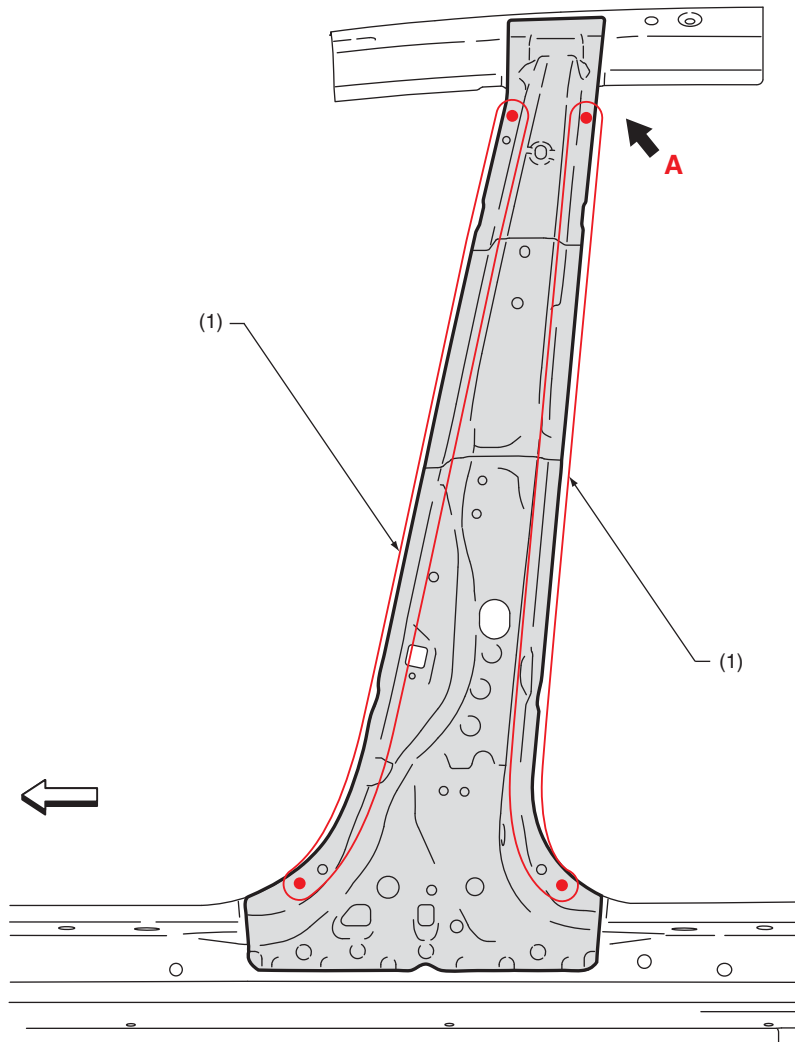
(3) 2 points (outside · 1)

(4) 4 points (outside · 1)

# Panel Replacement

## B: INSTALLATION

- Overall view

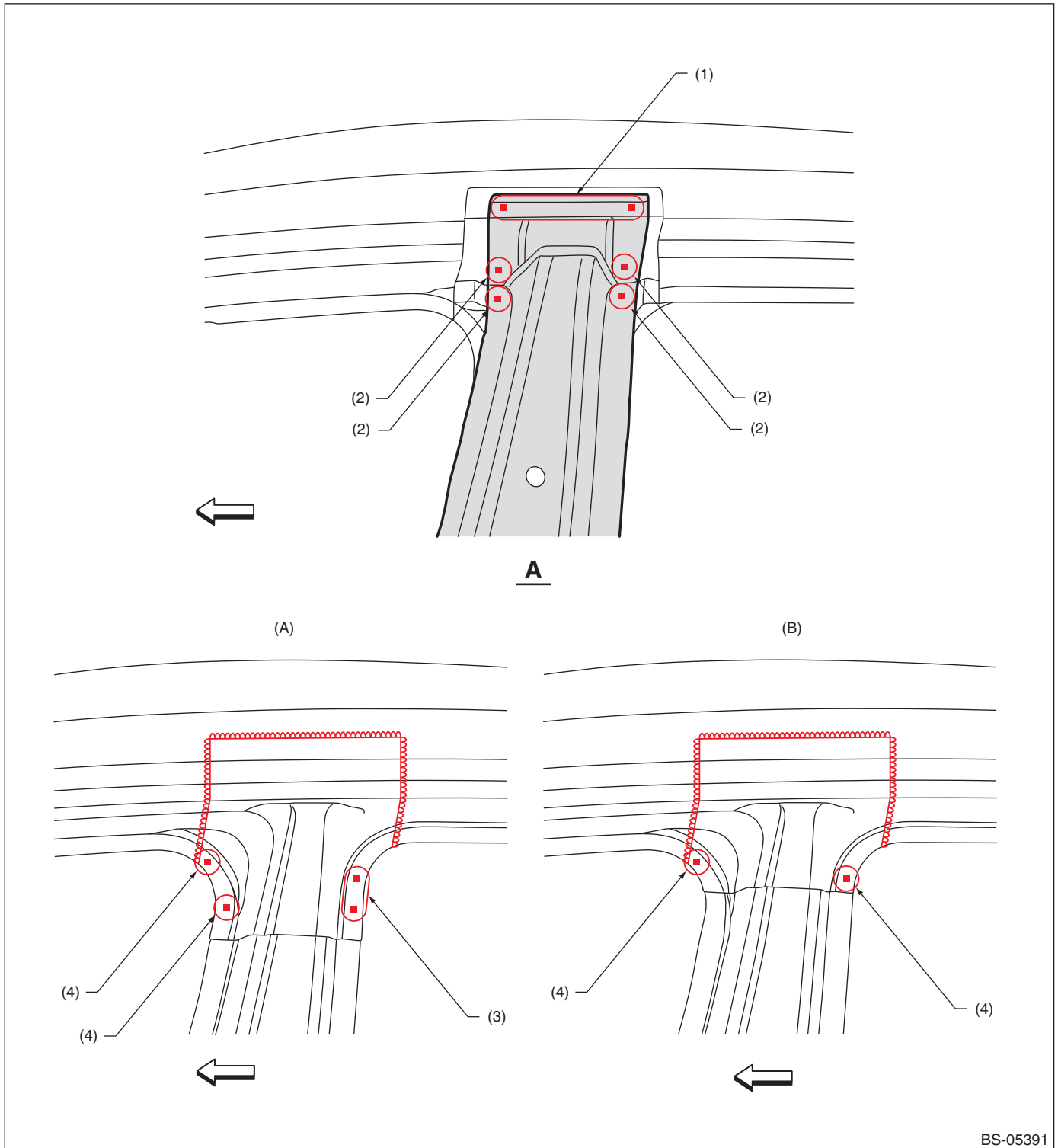


BS-04657

(1) 28 points

# Panel Replacement

## • Views



(A) All models from 2009MY to 2011MY and sedan models from 2012MY onward.

(B) OUTBACK from 2012MY onward.

(1) 4 points (service)

(2) 1 point (service)

(3) 2 points

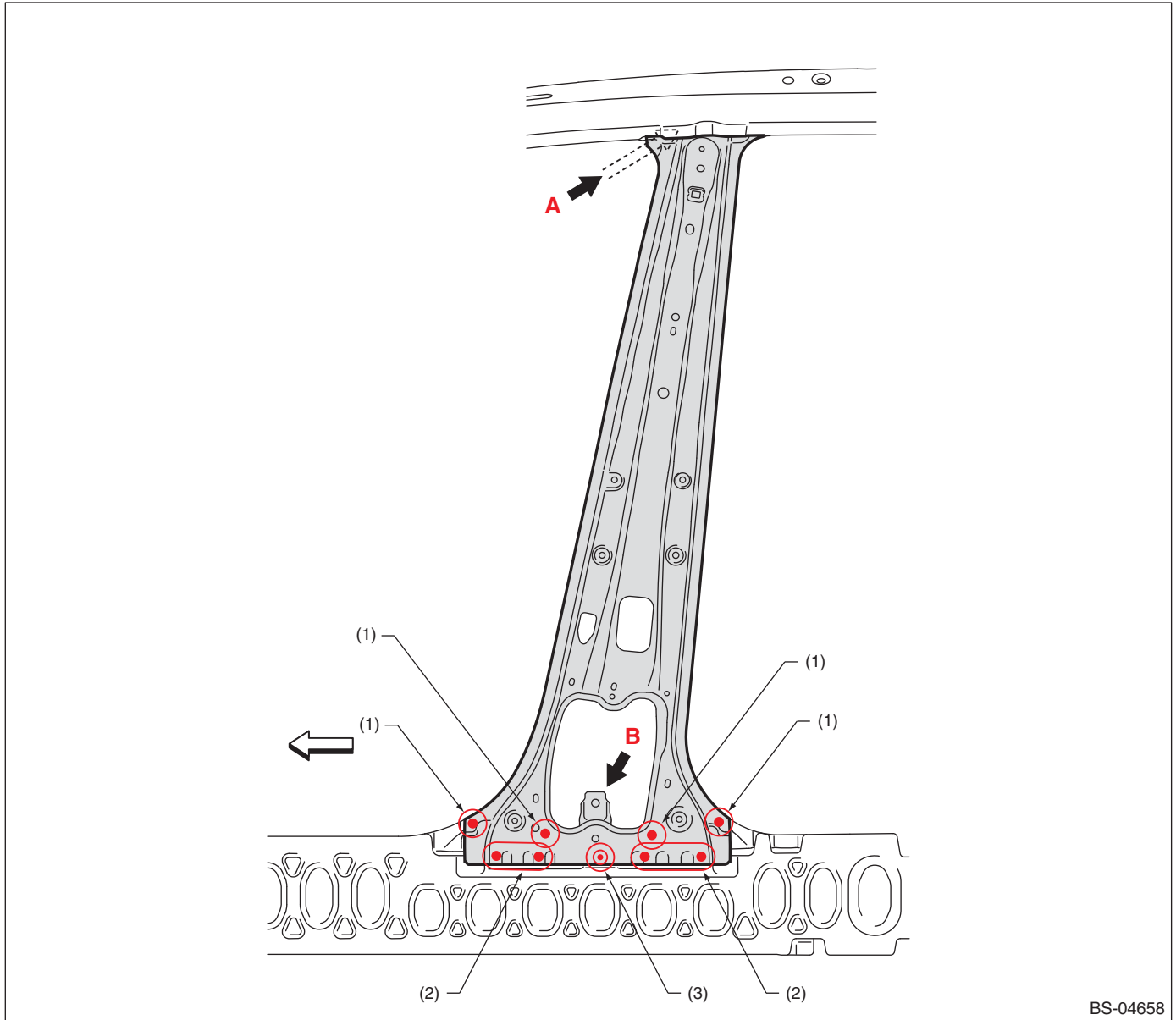
(4) 1 point

## Panel Replacement

### 11-14. Center Pillar Inner (total replacement)

#### A: REMOVAL

- Overall view (center pillar outer and center pillar reinforcement removal condition)



BS-04658

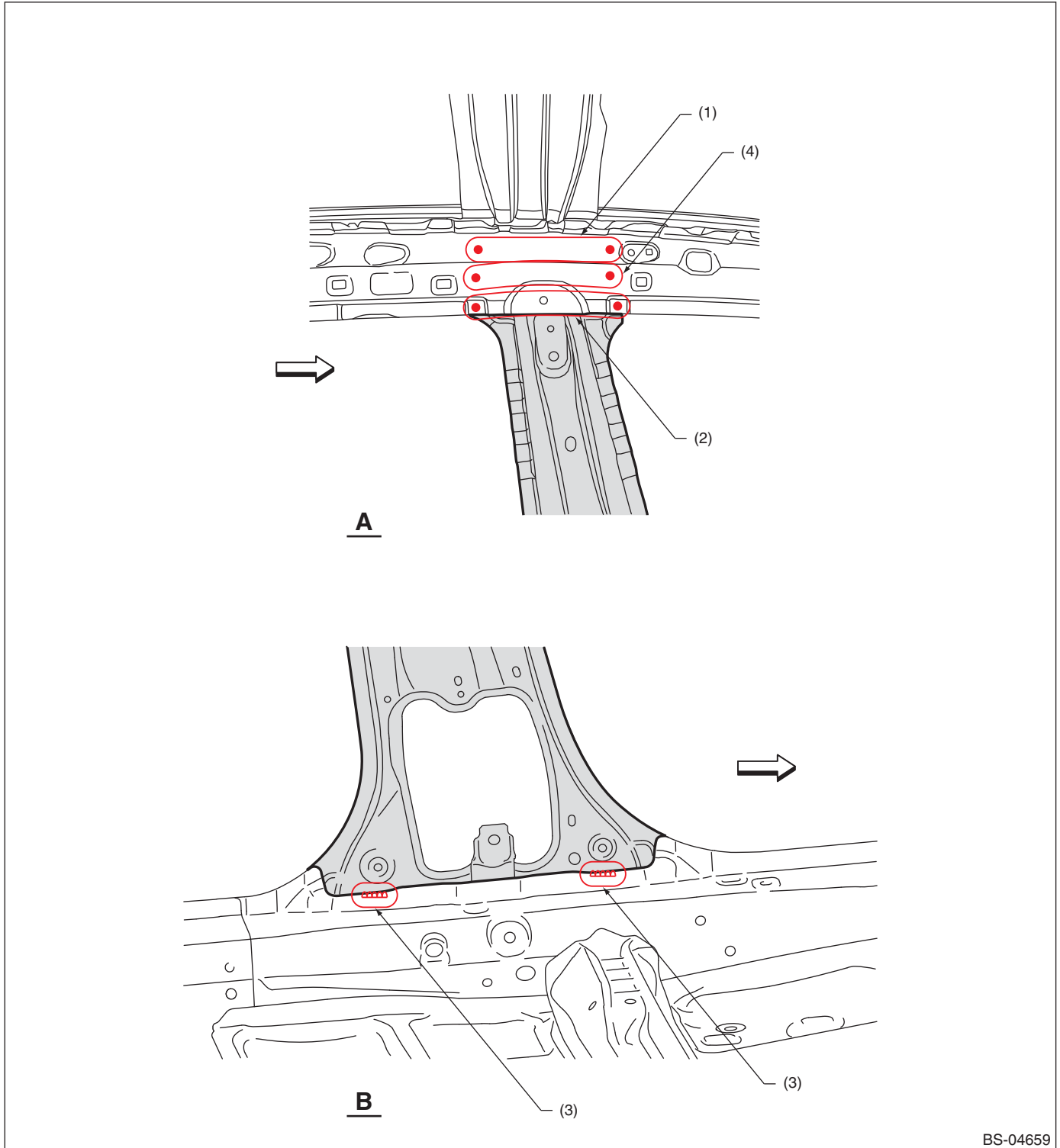
(1) 1 point (outside · 1)

(2) 5 points (outside · 1)

(3) 1 point (outside · 2)

# Panel Replacement

- Views



BS-04659

(1) 4 points (inside · 1)  
(2) 6 points (inside · 1)

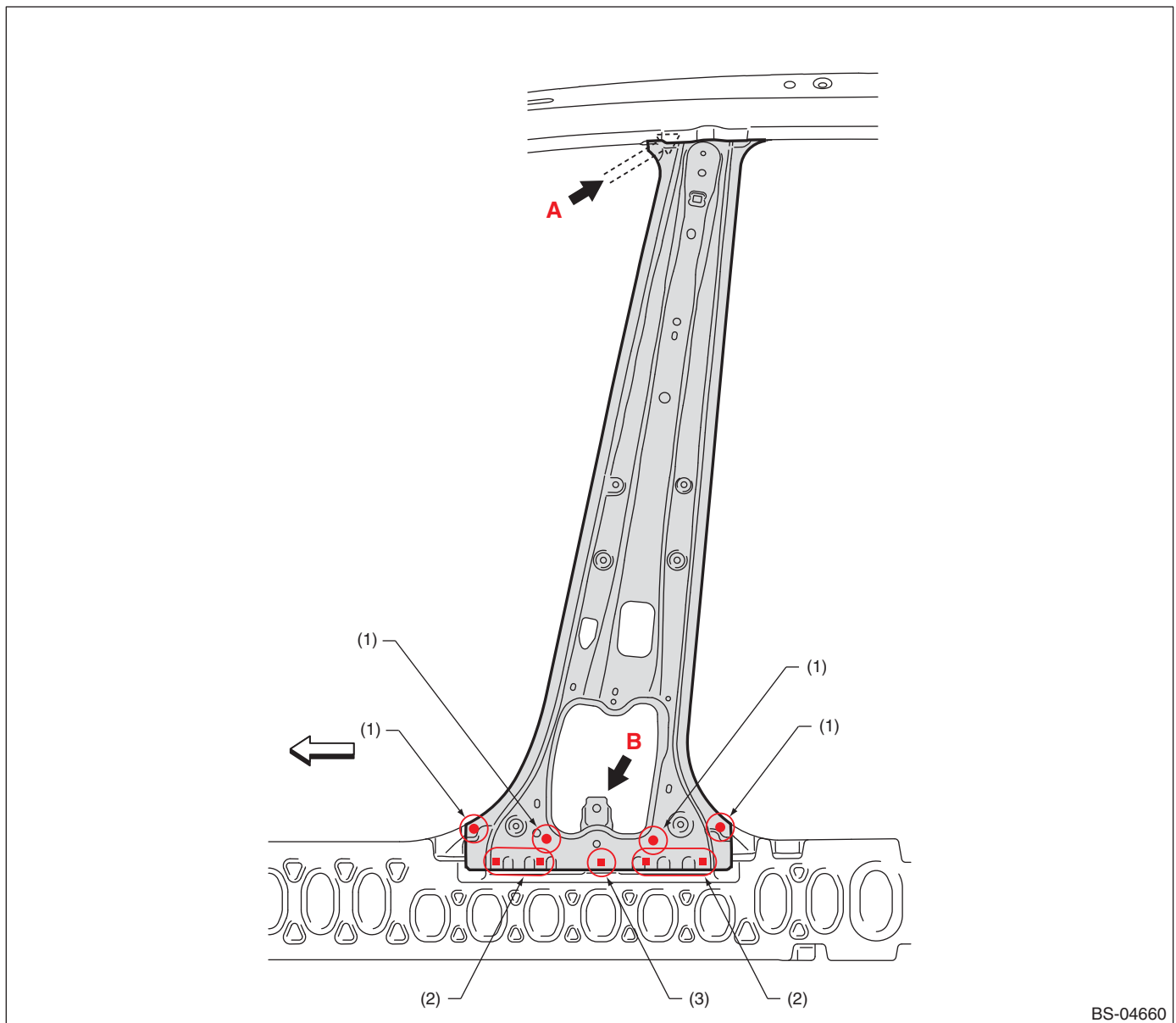
(3) 1 point (inside · 1, belt sander)

(4) 3 points (inside · 1)

# Panel Replacement

## B: INSTALLATION

- Overall view



BS-04660

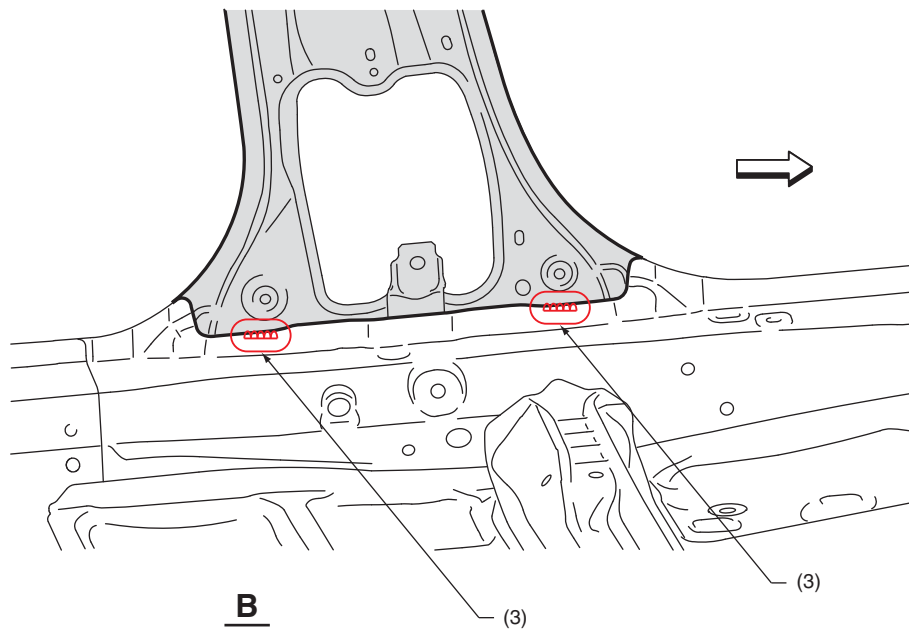
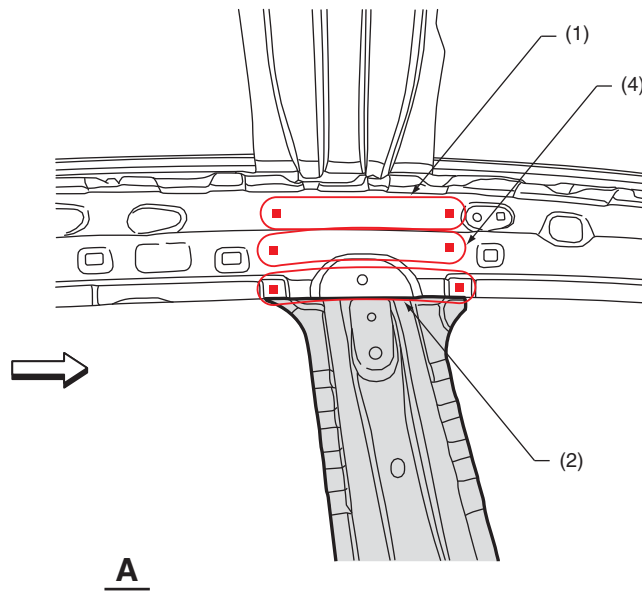
(1) 1 point

(2) 5 points (service)

(3) 1 point (service)

# Panel Replacement

- Views



BS-04661

(1) 4 points  
(2) 6 points

(3) 1 point [25 mm (0.98 in)]

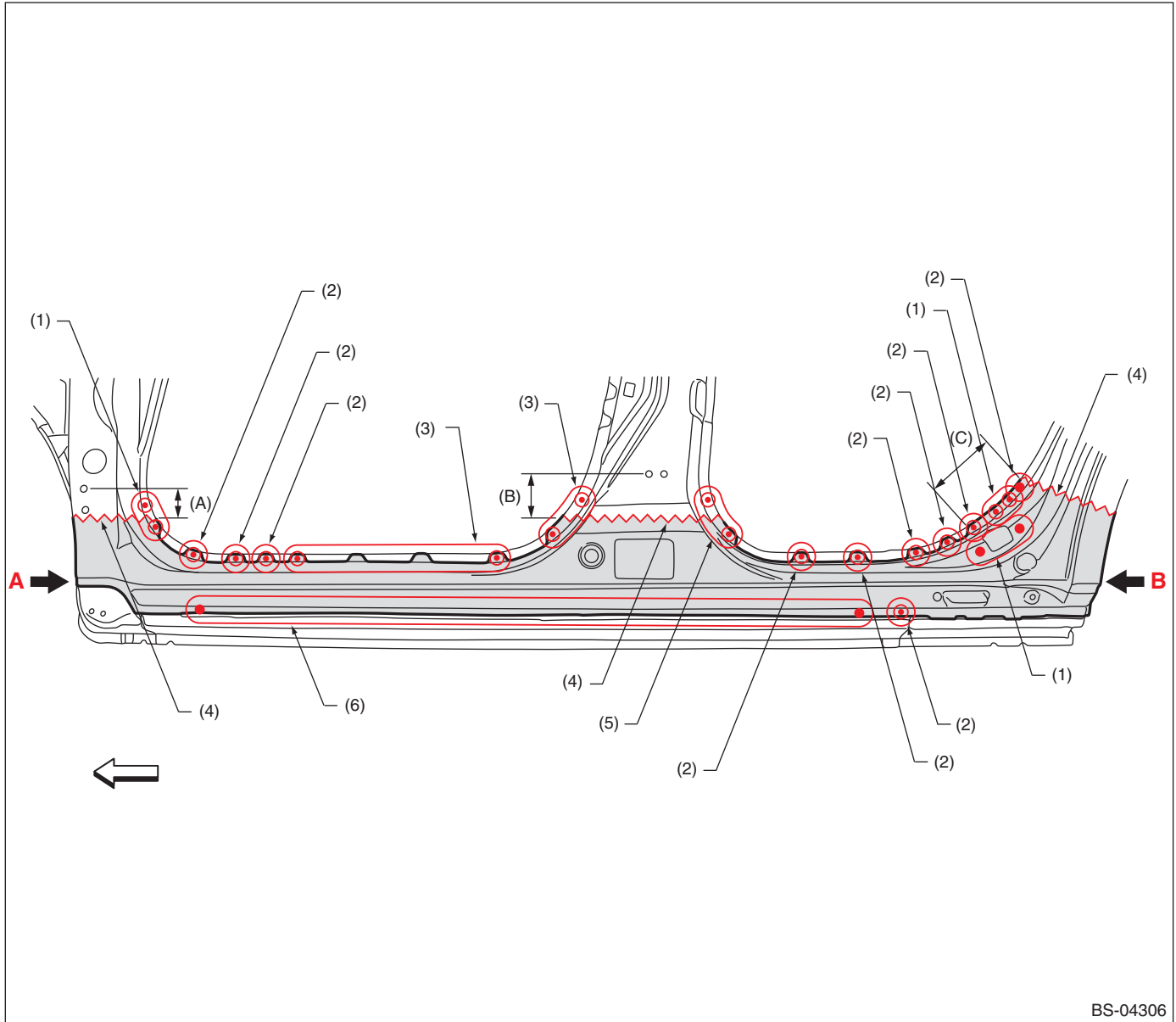
(4) 3 points

## Panel Replacement

### 11-15. Side Sill Outer (partial replacement)

#### A: REMOVAL

##### • Overall view



(A) 55 mm (2.17 in)

(B) 70 mm (2.76 in)

(C) 120 mm (4.72 in)

(1) 2 points (outside · 1)

(3) 4 points (outside · 1)

(5) 3 points (outside · 1)

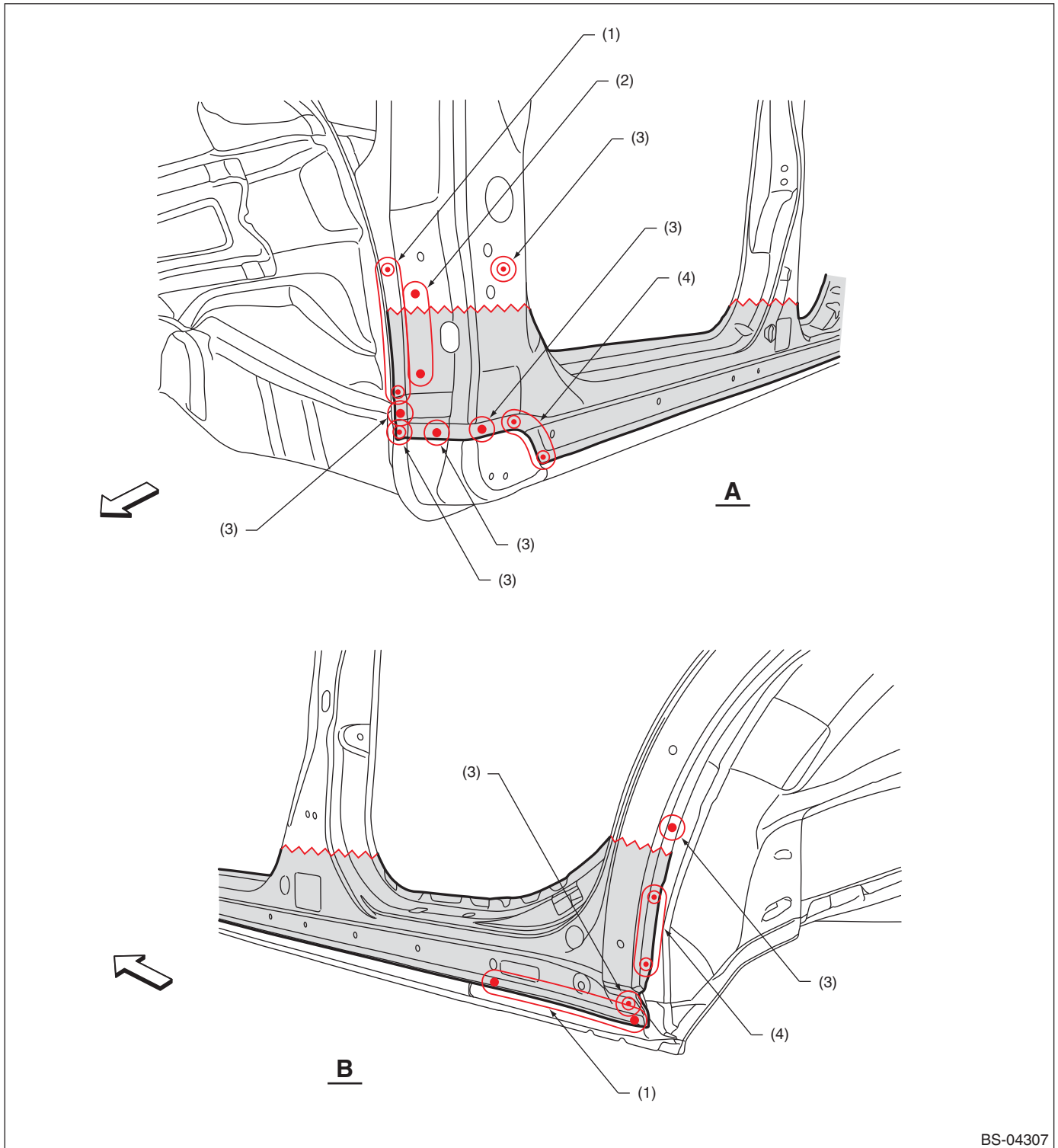
(2) 1 point (outside · 1)

(4) Rough cutting

(6) 17 points (outside · 1)

# Panel Replacement

## • Views



BS-04307

(1) 5 points (outside · 1)  
(2) 2 points (outside · 1)

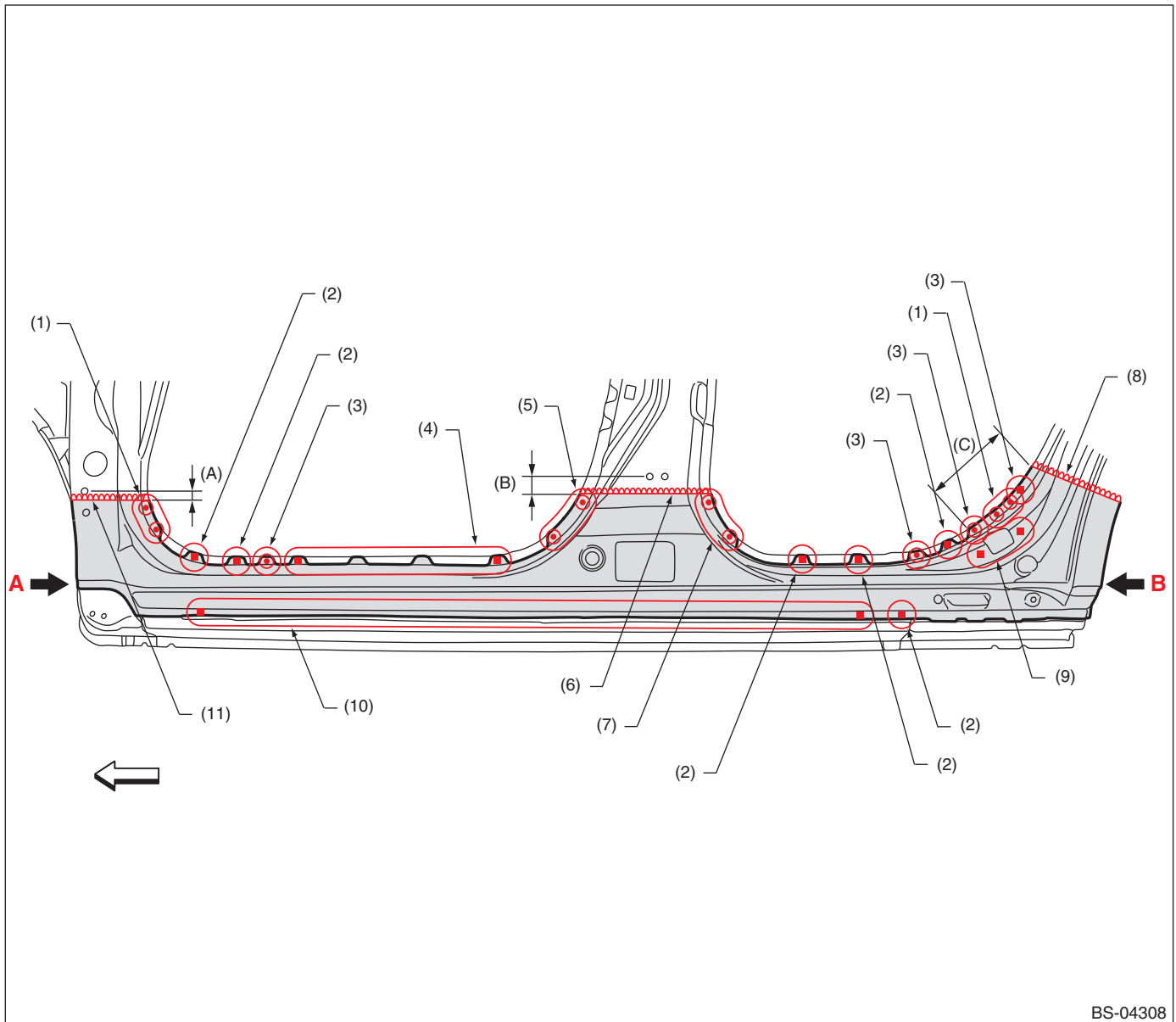
(3) 1 point (outside · 1)

(4) 3 points (outside · 1)

# Panel Replacement

## B: INSTALLATION

### • Overall view



BS-04308

(A) 15 mm (0.59 in)

(B) 30 mm (1.18 in)

(C) 160 mm (6.30 in)

(1) 2 points

(2) 1 point (service)

(3) 1 point

(4) 4 points (service)

(5) 4 points

(6) 1 point [355 mm (13.98 in)]

(7) 3 points

(8) 1 point [260 mm (10.24 in)]

(9) 2 points (service)

(10) 17 points (service)

(11) 1 point [295 mm (11.61 in)]

- **Views**



(7) 5 points (service)

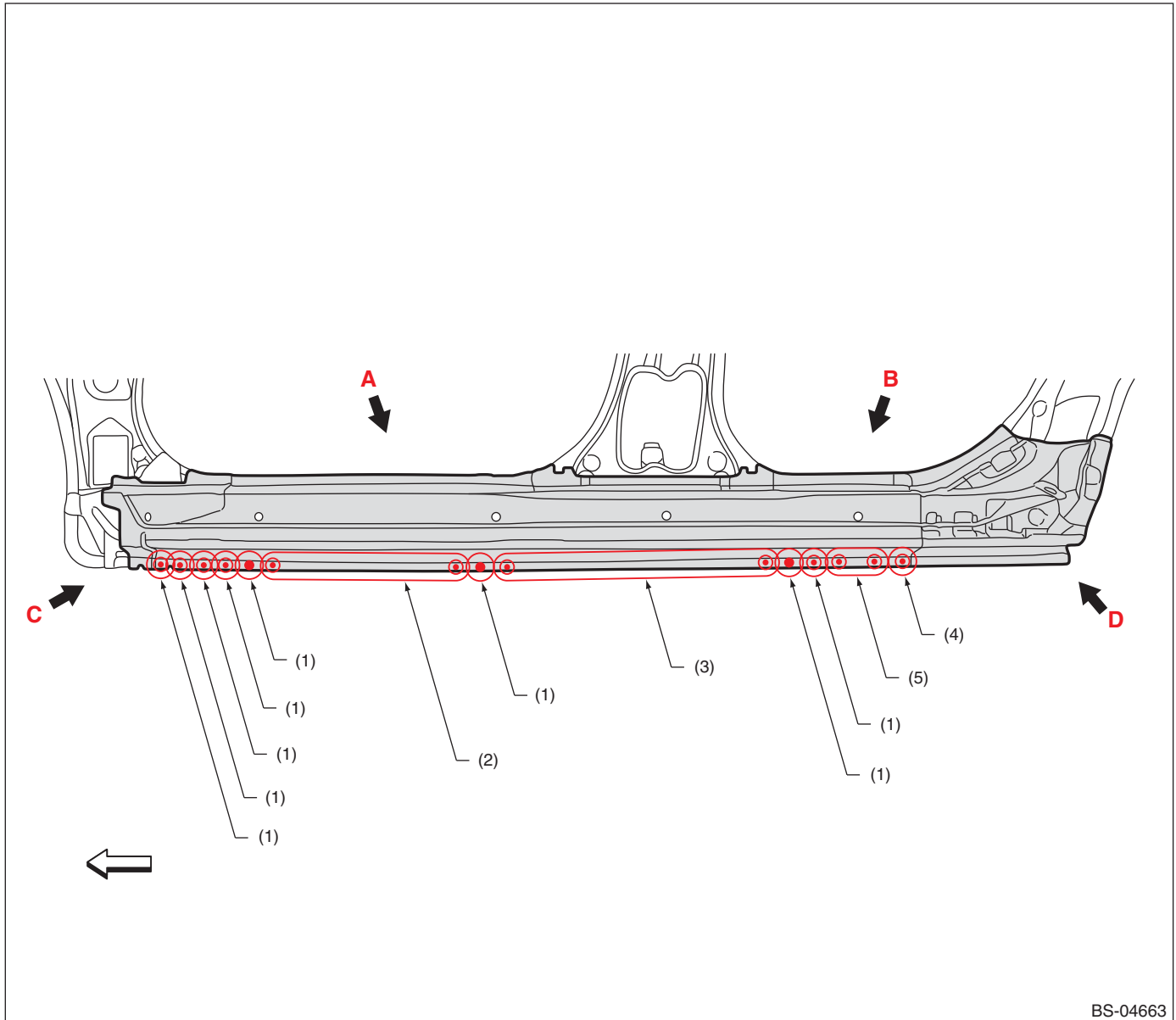
(8) 3 points (service)

## Panel Replacement

### 11-16. Side Sill Reinforcement Outer/OUTBACK (total replacement)

#### A: REMOVAL

- Overall view (front pillar outer, front pillar reinforcement, center pillar outer, center pillar reinforcement, rear quarter removal condition)



BS-04663

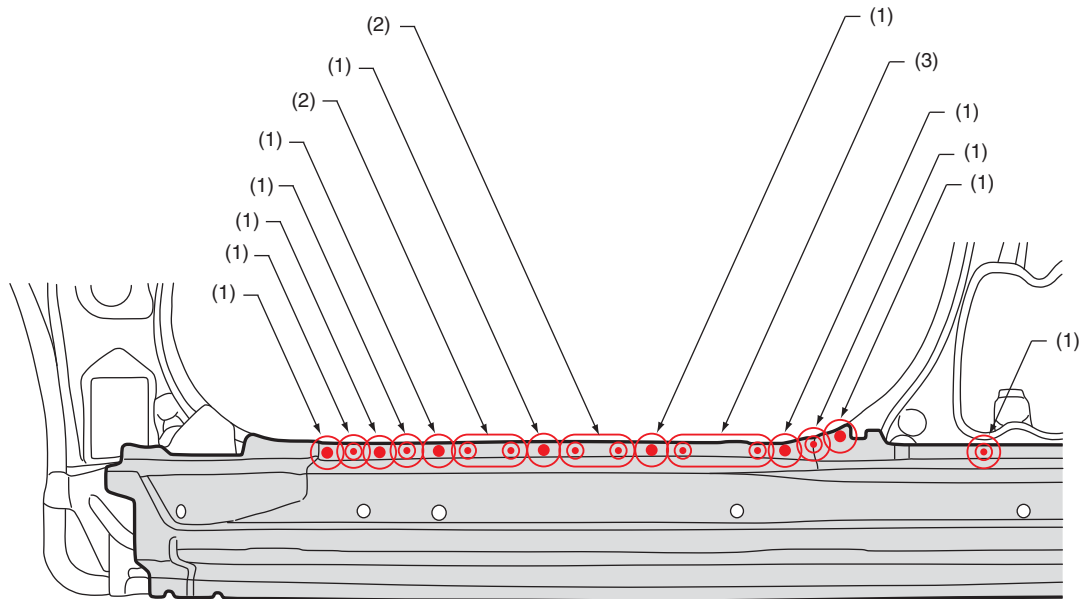
- (1) 1 point (outside · 1)  
(2) 8 points (outside · 1)

- (3) 10 points (outside · 1)  
(4) 1 point (outside · 2)

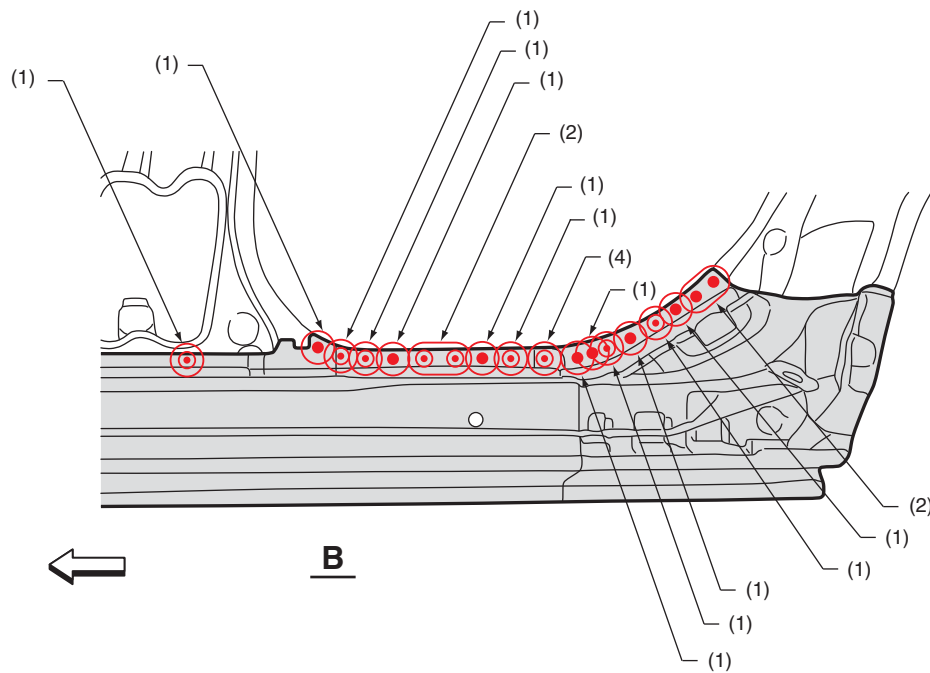
- (5) 3 points (outside · 1)

# Panel Replacement

## • Views 1



**A**



**B**



BS-04664

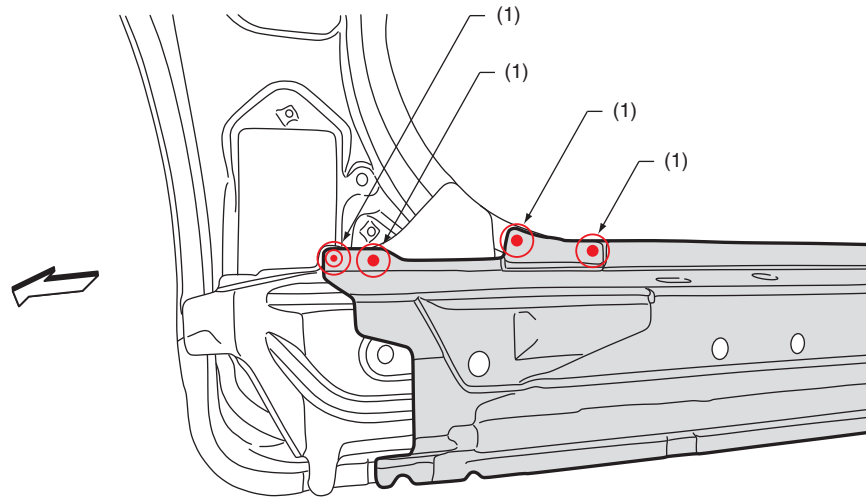
(1) 1 point (outside · 1)  
(2) 2 points (outside · 1)

(3) 3 points (outside · 1)

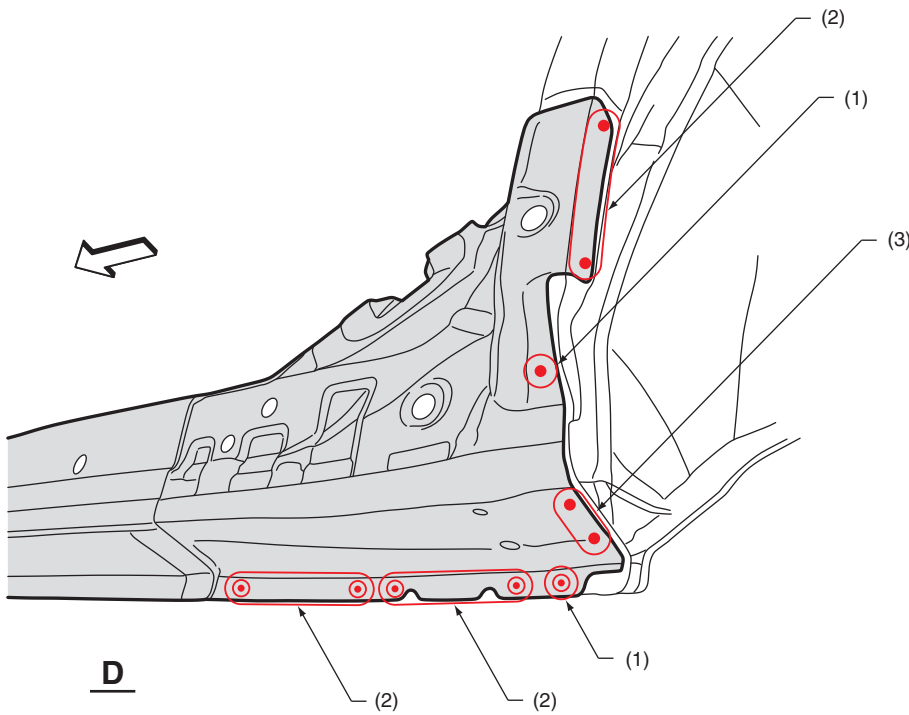
(4) 1 point (outside · 2)

# Panel Replacement

## • Views 2



**C**



**D**

BS-04312

(1) 1 point (outside · 1)

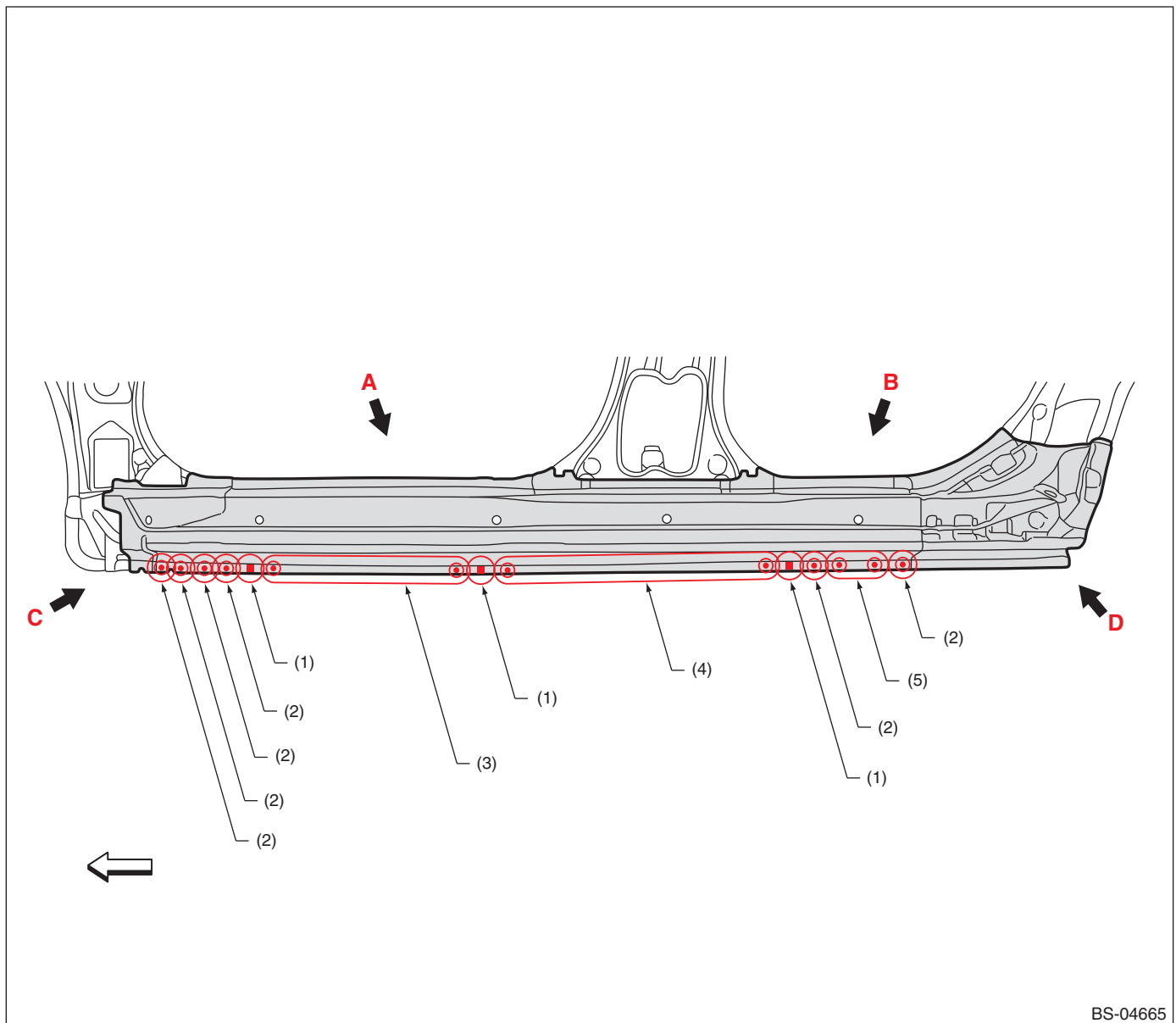
(2) 3 points (outside · 1)

(3) 2 points (bottom · 1)

# Panel Replacement

## B: INSTALLATION

### • Overall view



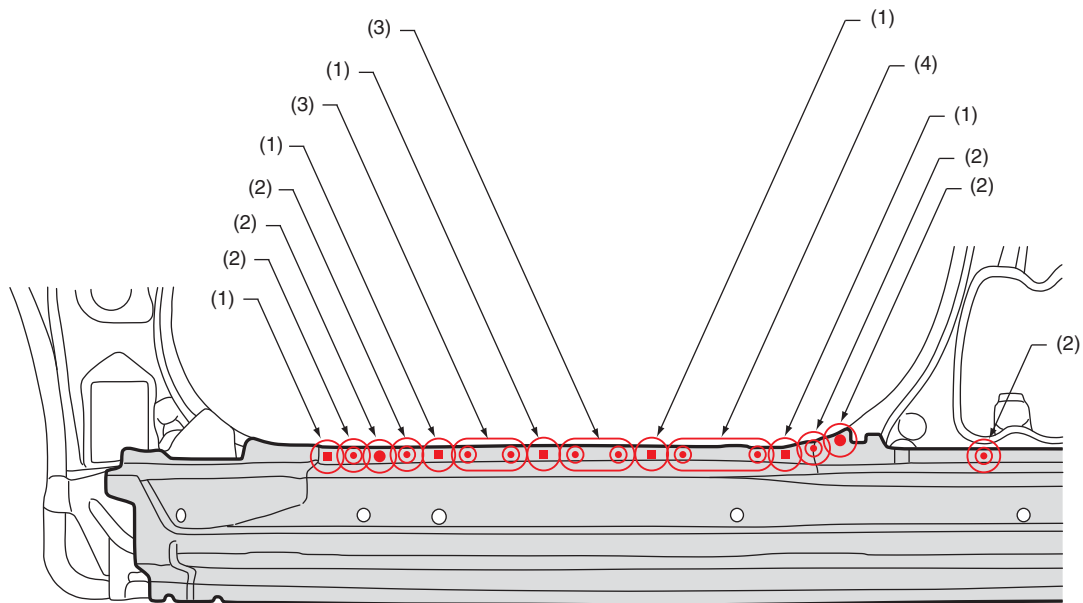
(1) 1 point (service)  
(2) 1 point

(3) 10 points  
(4) 13 points

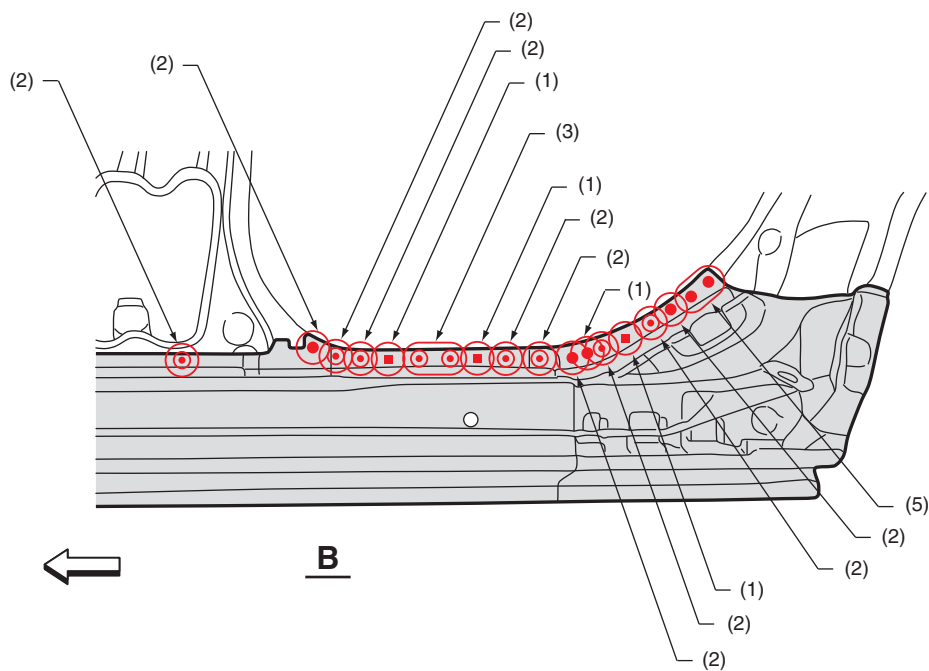
(5) 4 points

# Panel Replacement

## • Views 1



**A**



**B**



BS-04666

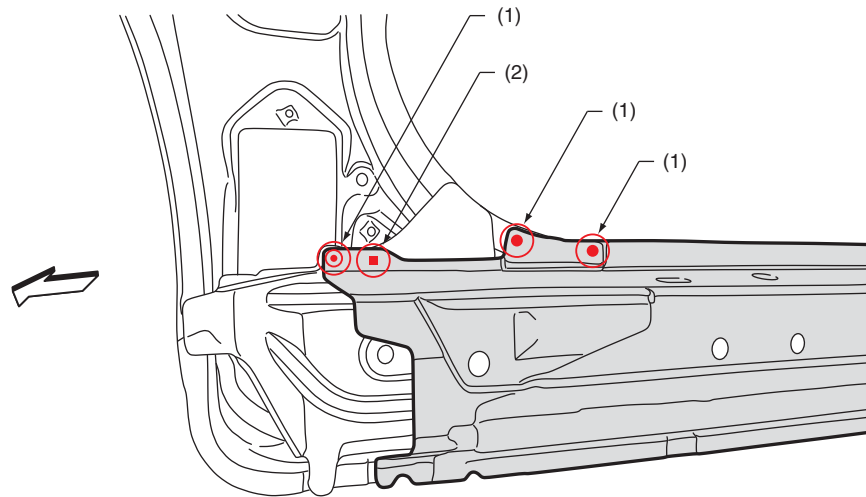
(1) 1 point (service)  
(2) 1 point

(3) 3 points  
(4) 4 points

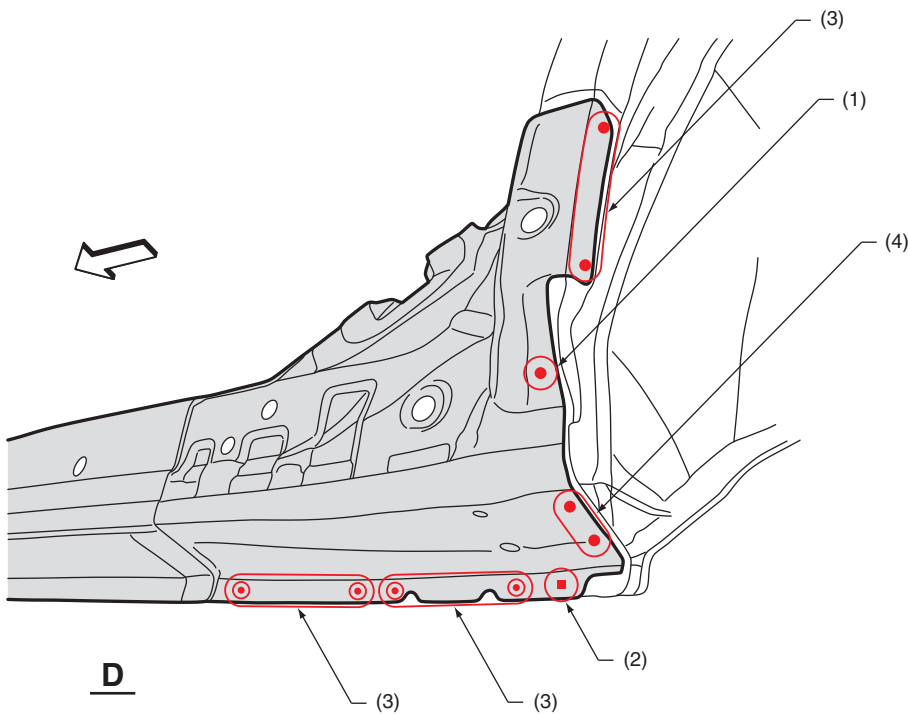
(5) 2 points

# Panel Replacement

## • Views 2



**C**



**D**

BS-04315

- (1) 1 point
- (2) 1 point (service)

- (3) 4 points

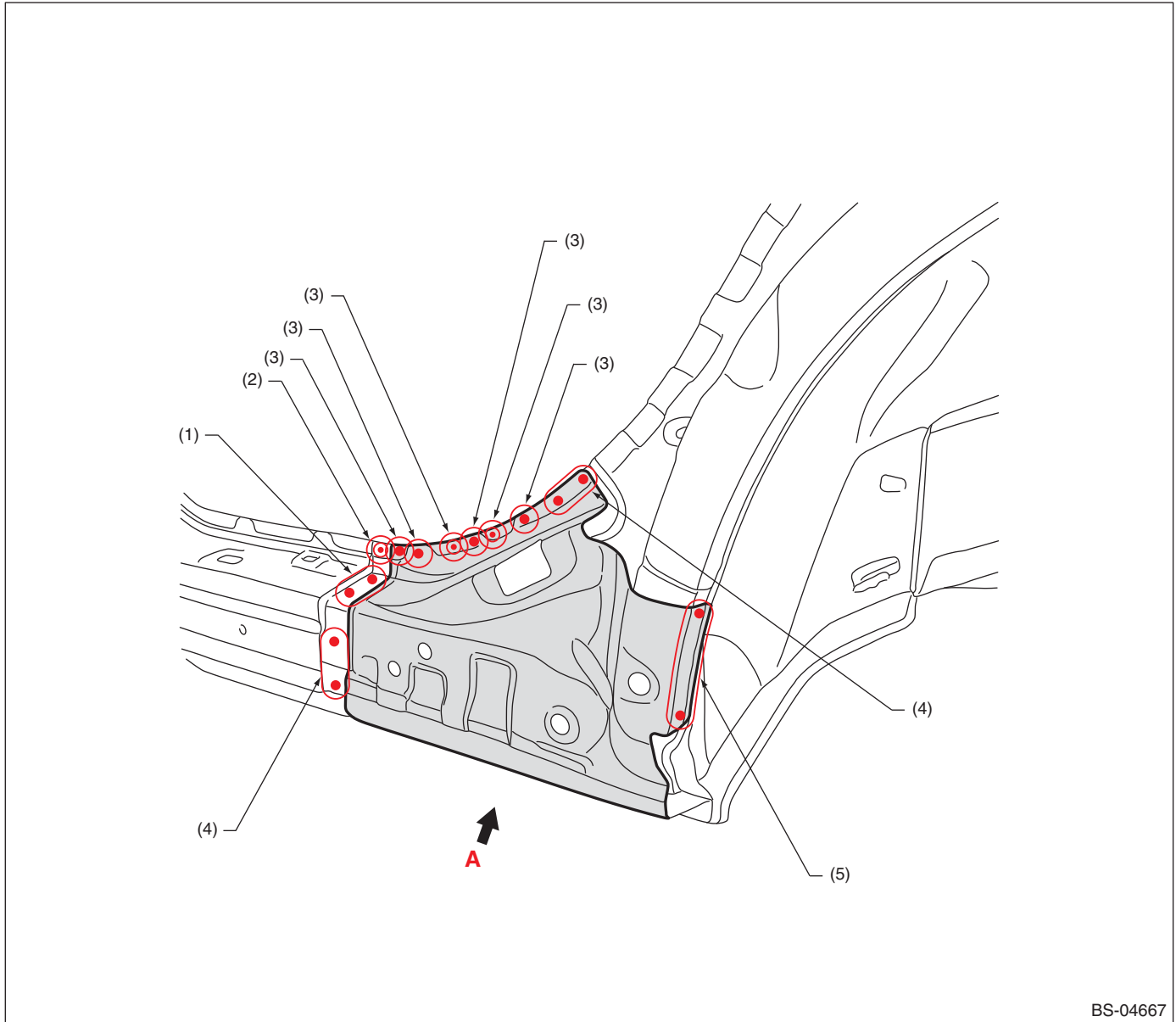
- (4) 2 points

## Panel Replacement

### 11-17. Side Sill Reinforcement Outer/Sedan (partial replacement)

#### A: REMOVAL

- Overall view (rear quarter outer removal condition)



BS-04667

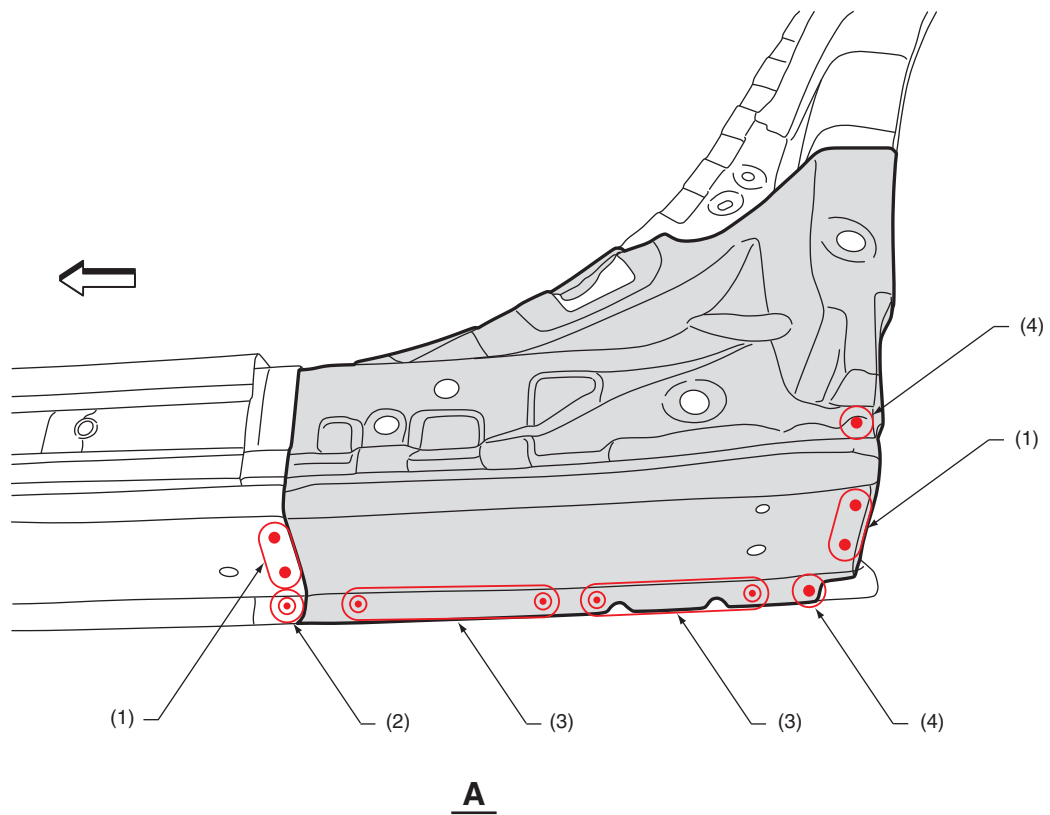
- (1) 2 points (top · 1)  
(2) 1 point (outside · 2)

- (3) 1 point (outside · 1)  
(4) 2 points (outside · 1)

- (5) 3 points (outside · 1)

# Panel Replacement

- Views



BS-04668

(1) 2 points (bottom · 1)  
(2) 1 point (outside · 2)

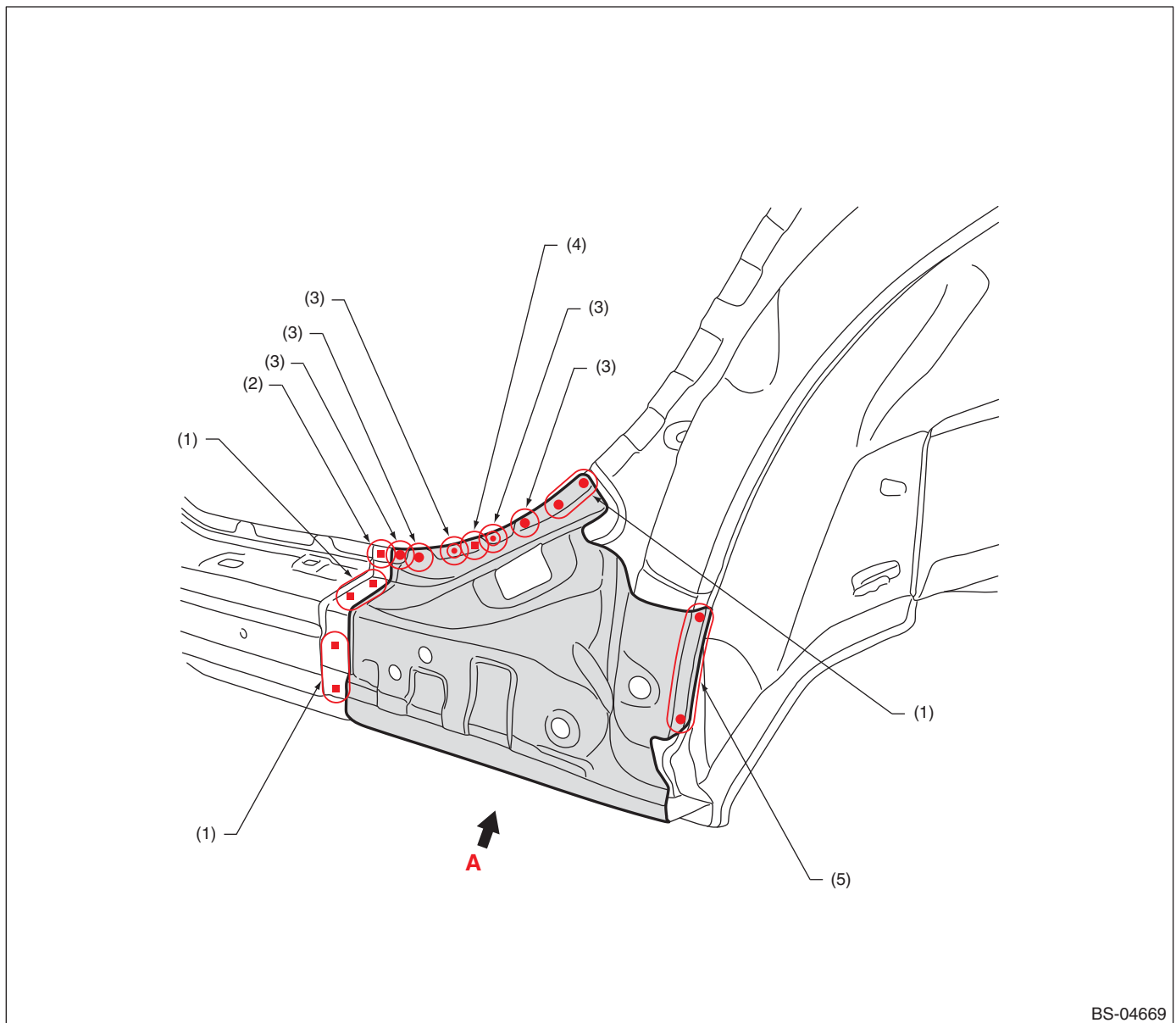
(3) 3 points (outside · 1)

(4) 1 point (outside · 1)

# Panel Replacement

## B: INSTALLATION

### • Overall view



BS-04669

(1) 2 points

(2) 1 point (service · matching)

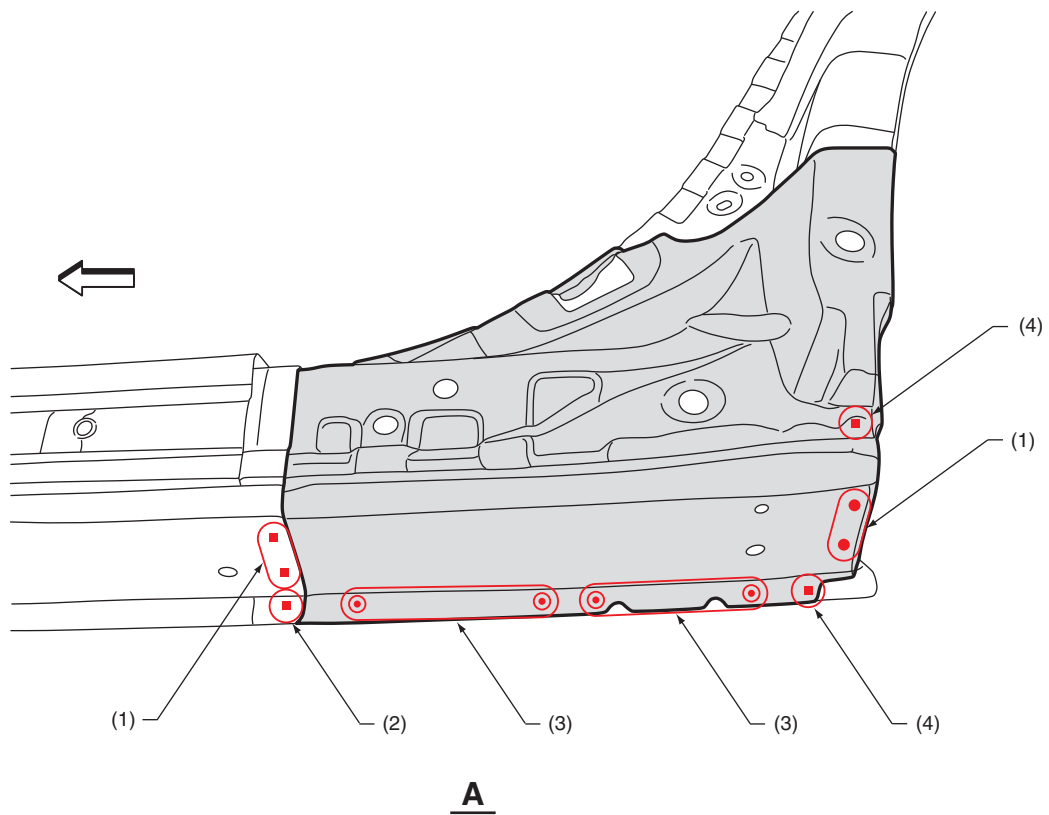
(3) 1 point

(4) 1 point (service)

(5) 4 points

# Panel Replacement

- Views



BS-04670

(1) 2 points

(2) 1 point (service · matching)

(3) 4 points

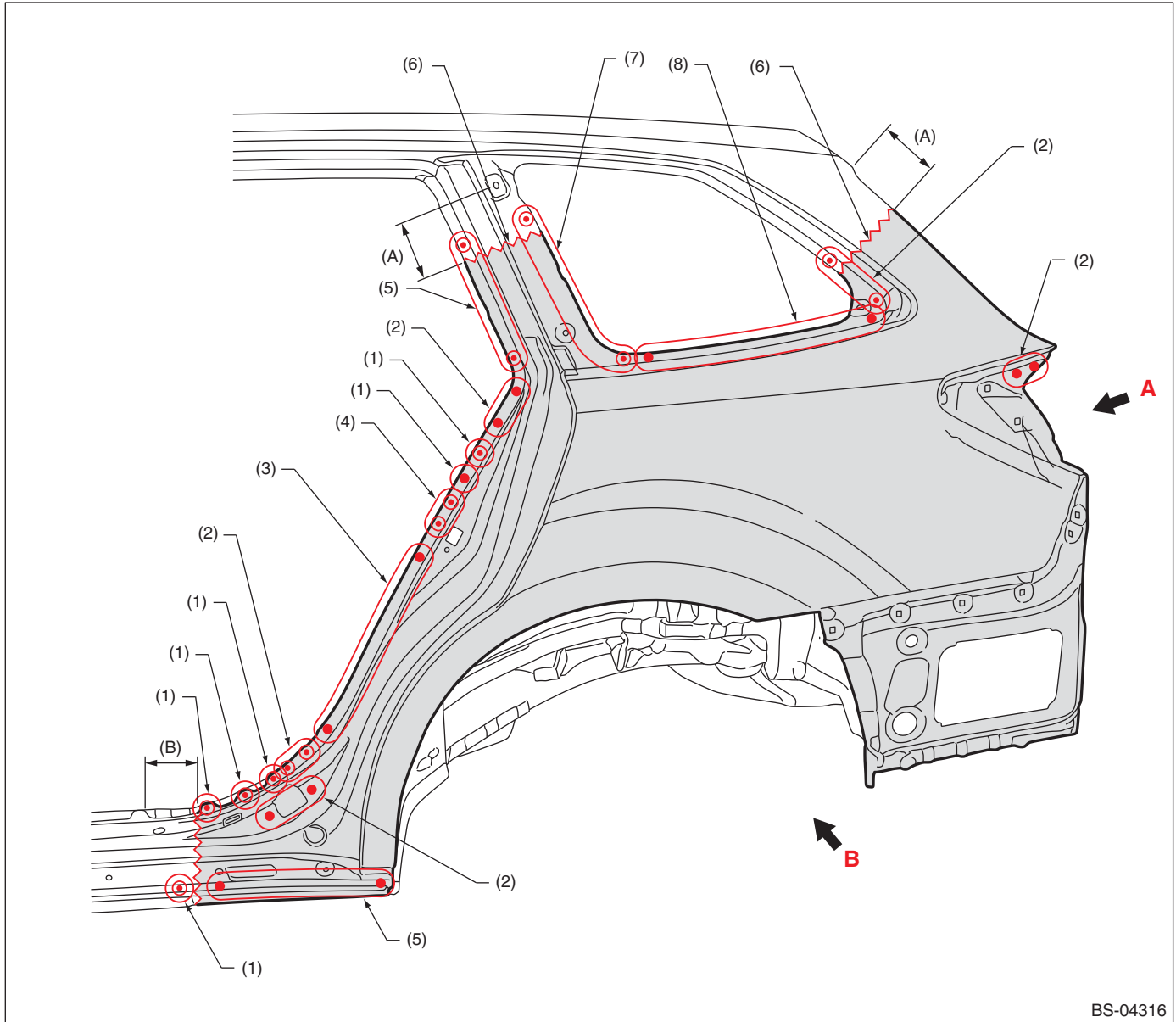
(4) 1 point (service)

## Panel Replacement

### 11-18. Rear Quarter/OUTBACK (partial replacement)

#### A: REMOVAL

##### • Overall view



BS-04316

(A) 100 mm (3.94 in)

(B) 90 mm (3.54 in)

(1) 1 point (outside · 1)

(4) 2 points (outside · 2)

(7) 7 points (outside · 1)

(2) 2 points (outside · 1)

(5) 5 points (outside · 1)

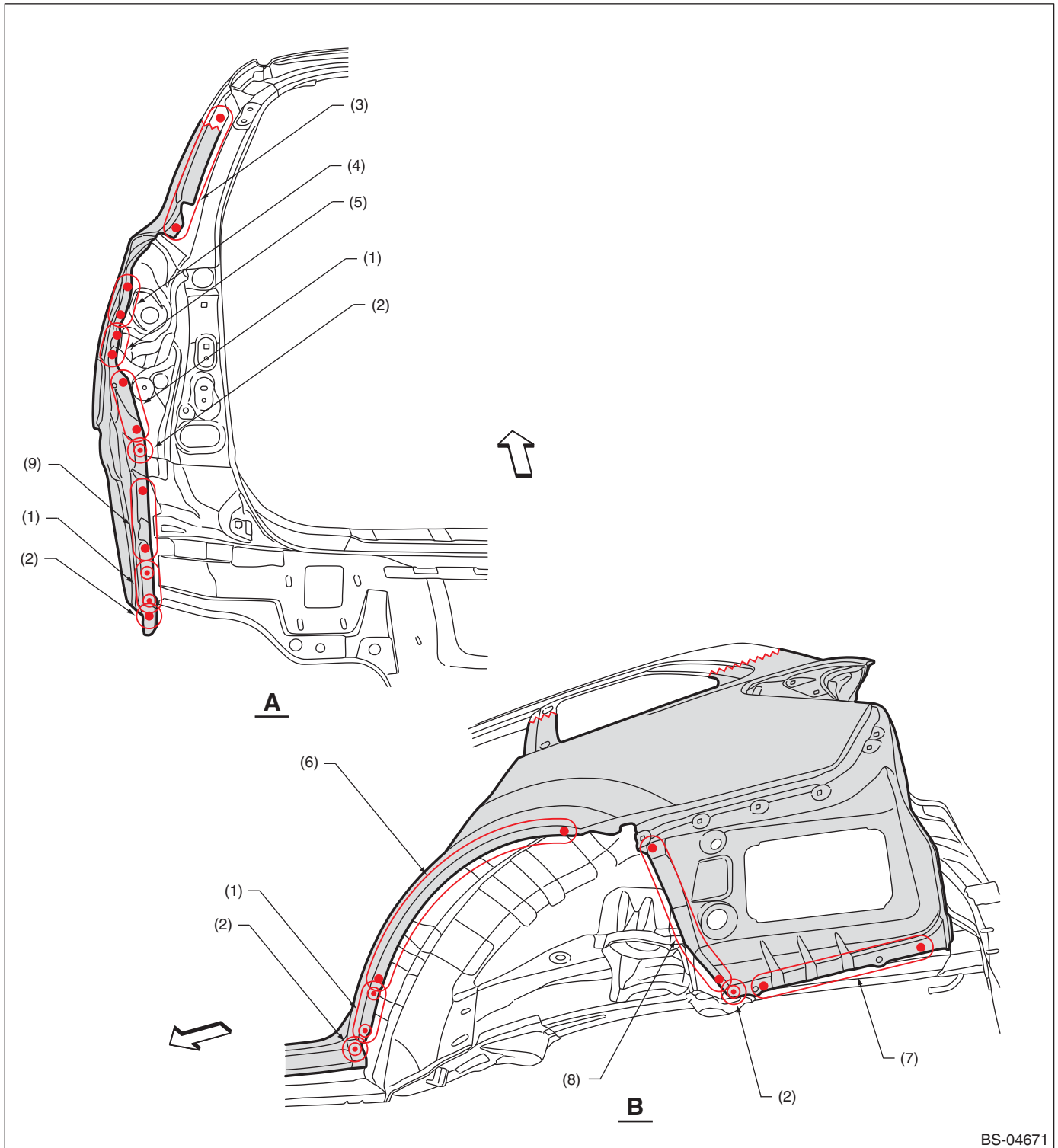
(8) 9 points (outside · 1)

(3) 6 points (outside · 1)

(6) Rough cutting

# Panel Replacement

## • Views



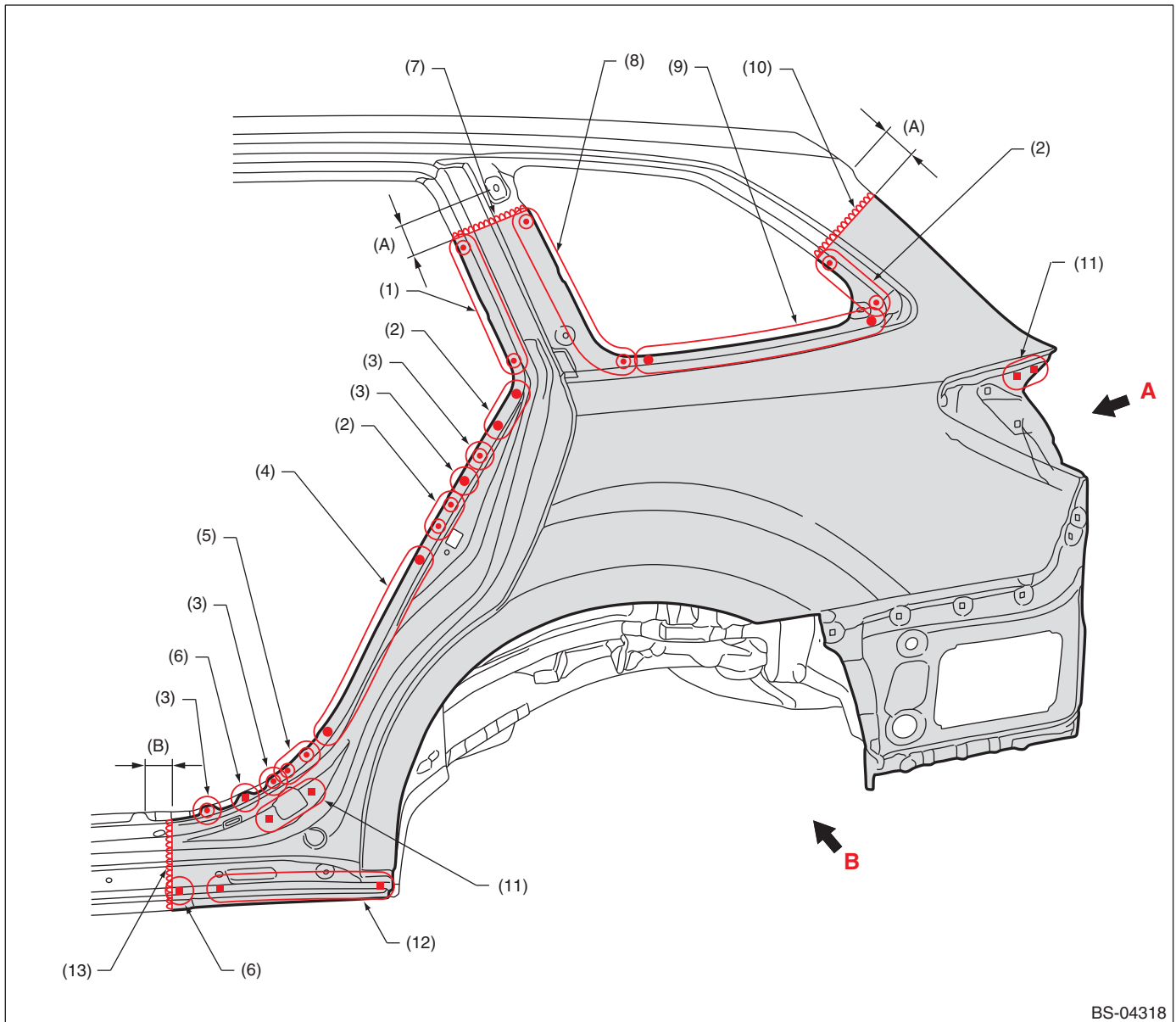
BS-04671

- |                            |                             |                            |
|----------------------------|-----------------------------|----------------------------|
| (1) 3 points (outside · 1) | (4) 2 points (outside · 1)  | (7) 6 points (outside · 1) |
| (2) 1 point (outside · 1)  | (5) 2 points (top · 1)      | (8) 7 points (outside · 1) |
| (3) 8 points (outside · 1) | (6) 10 points (outside · 1) | (9) 4 points (outside · 1) |

# Panel Replacement

## B: INSTALLATION

### • Overall view



BS-04318

(A) 60 mm (2.36 in)

(B) 50 mm (1.97 in)

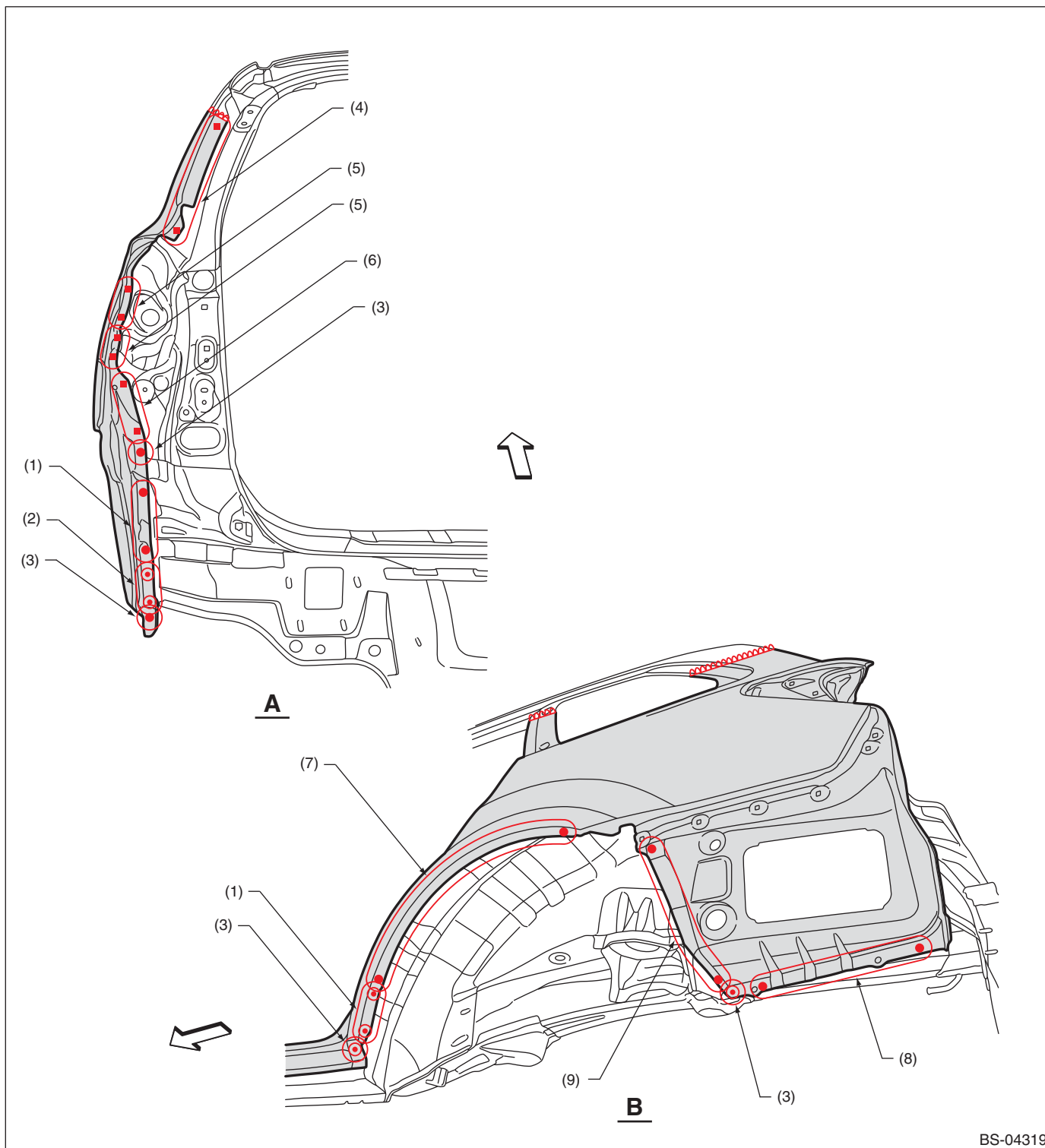
- (1) 6 points
- (2) 3 points
- (3) 1 point
- (4) 7 points
- (5) 2 points

- (6) 1 point (service)
- (7) 1 point [145 mm (5.71 in)]
- (8) 9 points
- (9) 11 points
- (10) 1 point [225 mm (8.86 in)]

- (11) 2 points (service)
- (12) 5 points (service)
- (13) 1 point [160 mm (6.30 in)]

# Panel Replacement

## • Views



BS-04319

- (1) 4 points
- (2) 3 points
- (3) 1 point

- (4) 8 points (service)
- (5) 2 points (service)
- (6) 3 points (service)

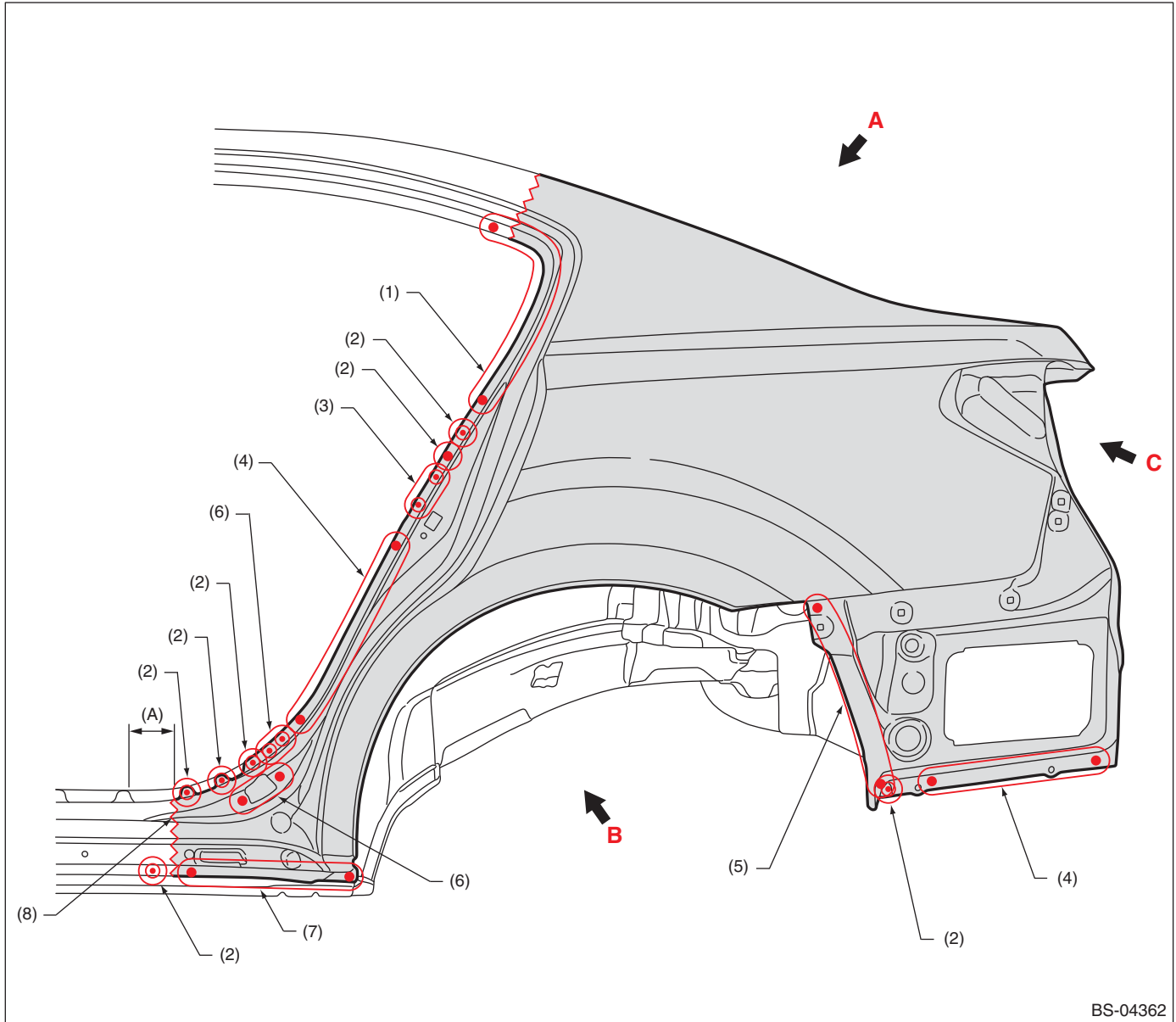
- (7) 13 points
- (8) 7 points
- (9) 9 points

## Panel Replacement

### 11-19. Rear Quarter/Sedan (partial replacement)

#### A: REMOVAL

##### • Overall view



BS-04362

(A) 90 mm (3.54 in)

(1) 8 points (outside · 1)

(2) 1 point (outside · 1)

(3) 2 points (outside · 2)

(4) 6 points (outside · 1)

(5) 7 points (outside · 1)

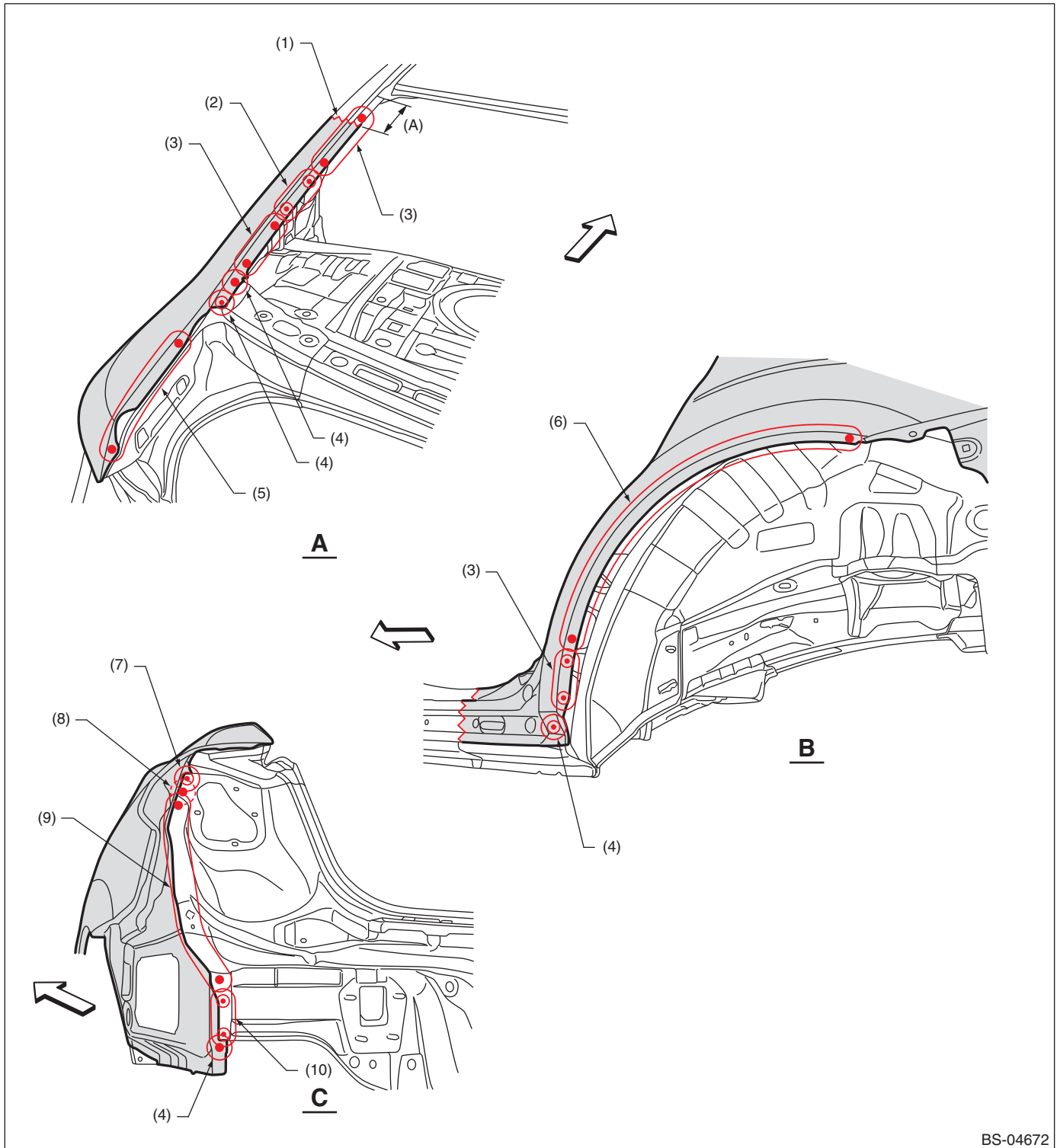
(6) 2 points (outside · 1)

(7) 5 points (outside · 1)

(8) Rough cutting

# Panel Replacement

## • Views



BS-04672

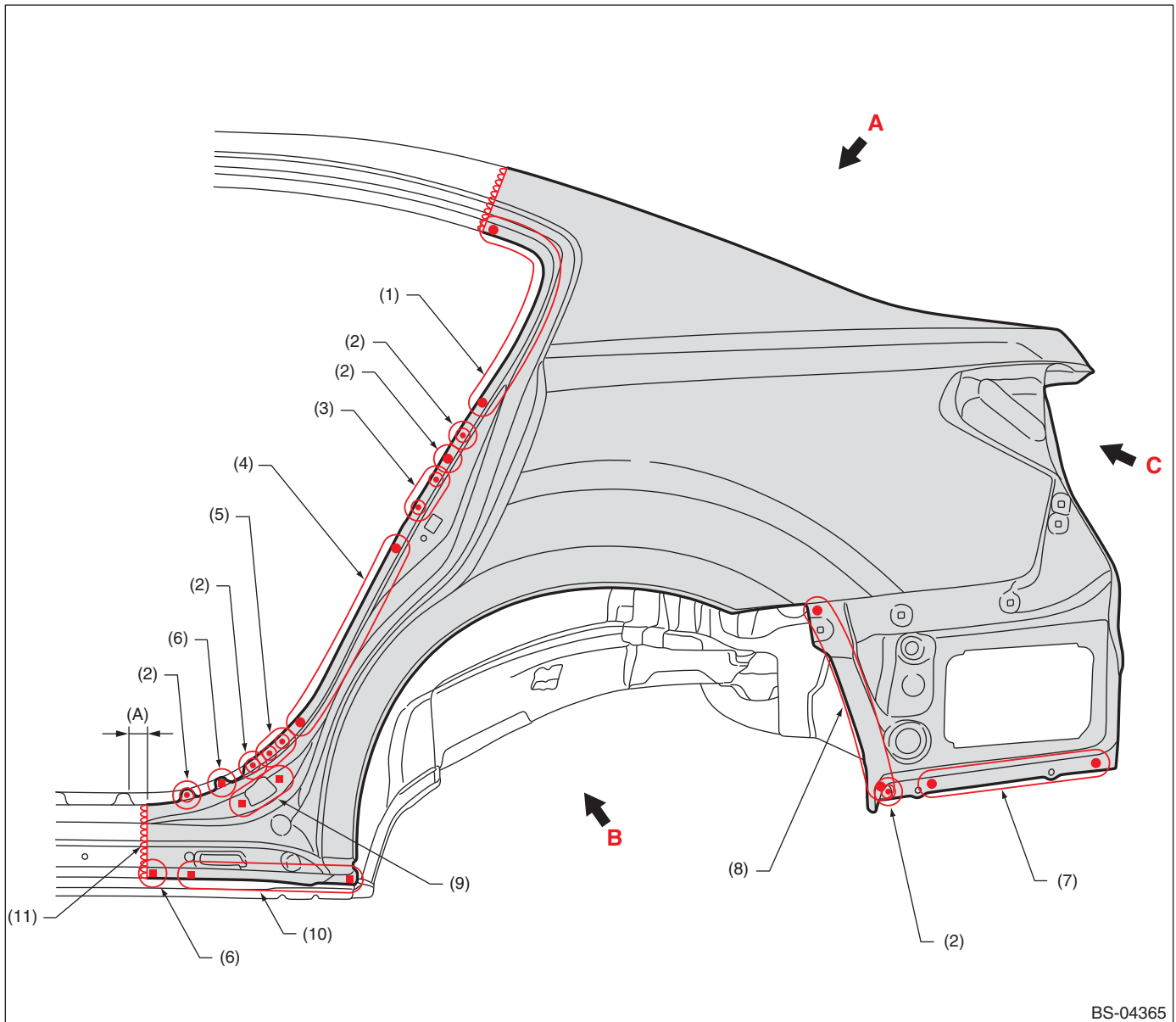
(A) 100 mm (3.94 in)

- |                            |                                       |                             |
|----------------------------|---------------------------------------|-----------------------------|
| (1) Rough cutting          | (5) 4 points (inside · 1)             | (9) 9 points (outside · 1)  |
| (2) 4 points (outside · 1) | (6) 10 points (outside · 1)           | (10) 3 points (outside · 2) |
| (3) 3 points (outside · 1) | (7) 1 point (outside · 2)             |                             |
| (4) 1 point (outside · 1)  | (8) 1 point (inside · 1, belt sander) |                             |

# Panel Replacement

## B: INSTALLATION

### • Overall view

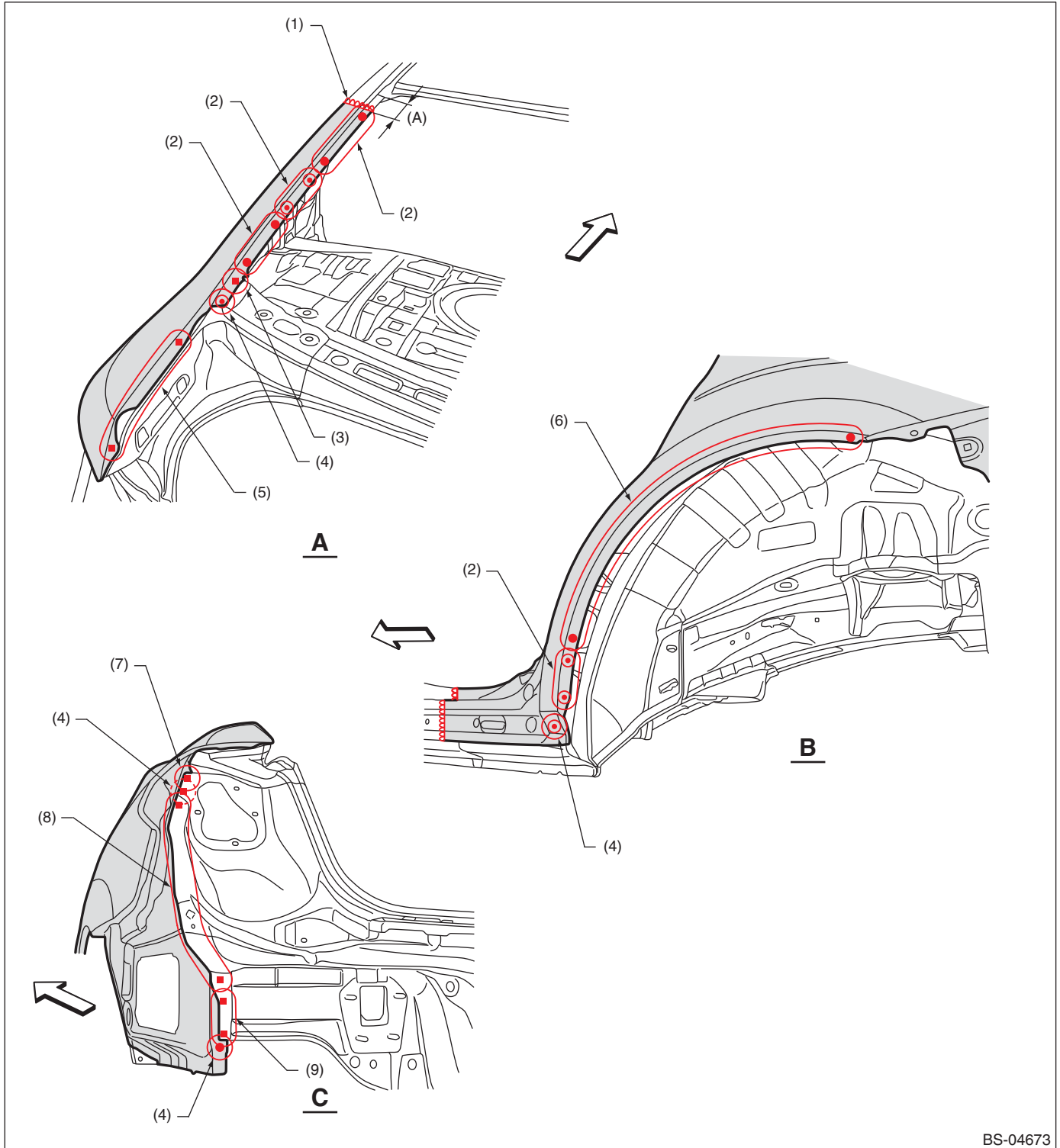


(A) 50 mm (1.97 in)

- |              |                       |                                 |
|--------------|-----------------------|---------------------------------|
| (1) 8 points | (5) 2 points          | (9) 2 points (service)          |
| (2) 1 point  | (6) 1 point (service) | (10) 5 points (service)         |
| (3) 3 points | (7) 7 points          | (11) 1 point [160 mm (6.30 in)] |
| (4) 6 points | (8) 9 points          |                                 |

# Panel Replacement

## • Views



BS-04673

(A) 60 mm (2.36 in)

(1) 1 point [235 mm (9.25 in)]

(2) 4 points

(3) 1 point (service)

(4) 1 point

(5) 4 points (service)

(6) 13 points

(7) 1 point (service · matching)

(8) 9 points

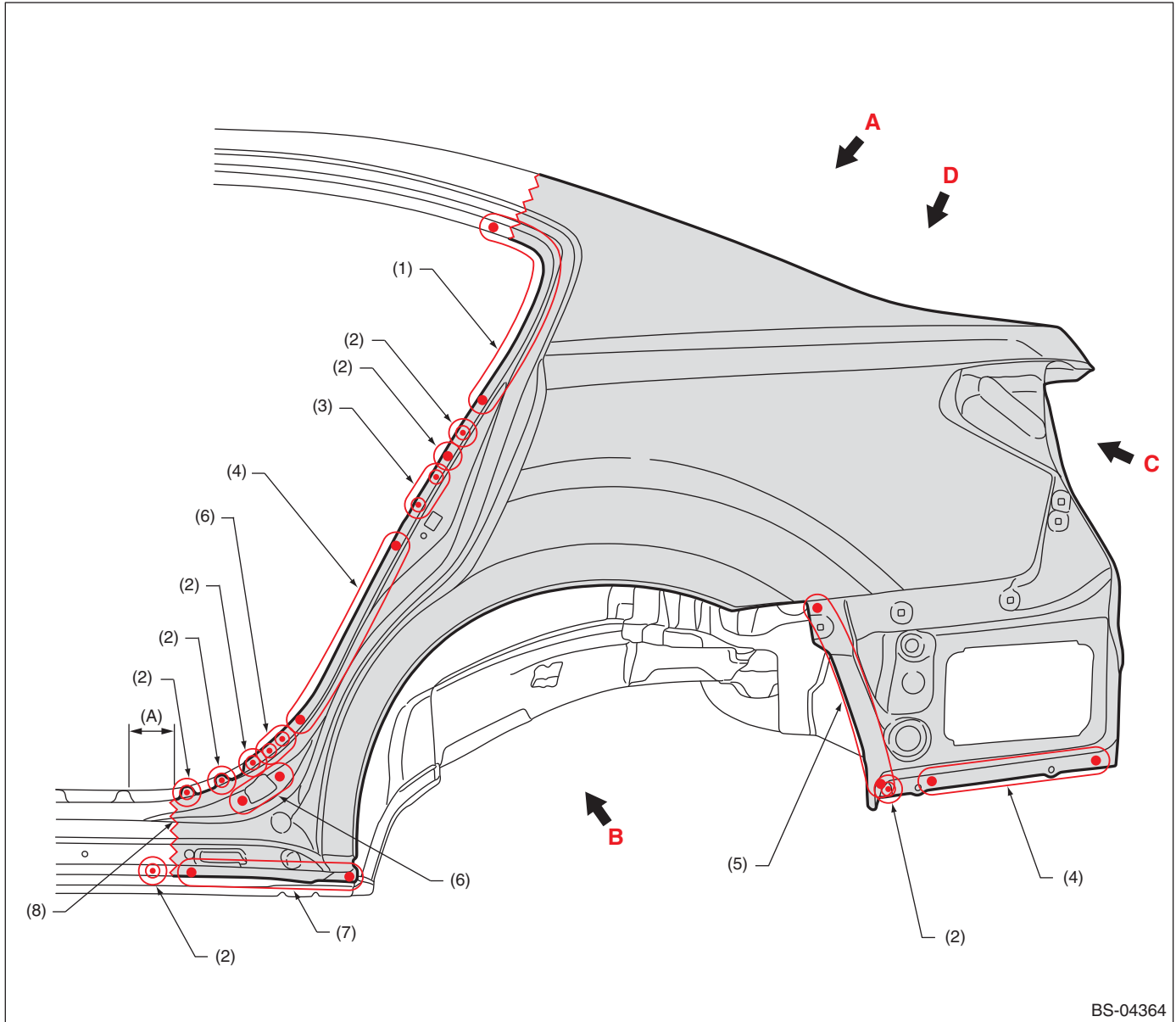
(9) 3 points (service · matching)

## Panel Replacement

### 11-20. Rear Quarter (including rear pillar patch)/Sedan (partial replacement)

#### A: REMOVAL

##### • Overall view



(A) 90 mm (3.54 in)

(1) 8 points (outside · 1)

(2) 1 point (outside · 1)

(3) 2 points (outside · 2)

(4) 6 points (outside · 1)

(5) 7 points (outside · 1)

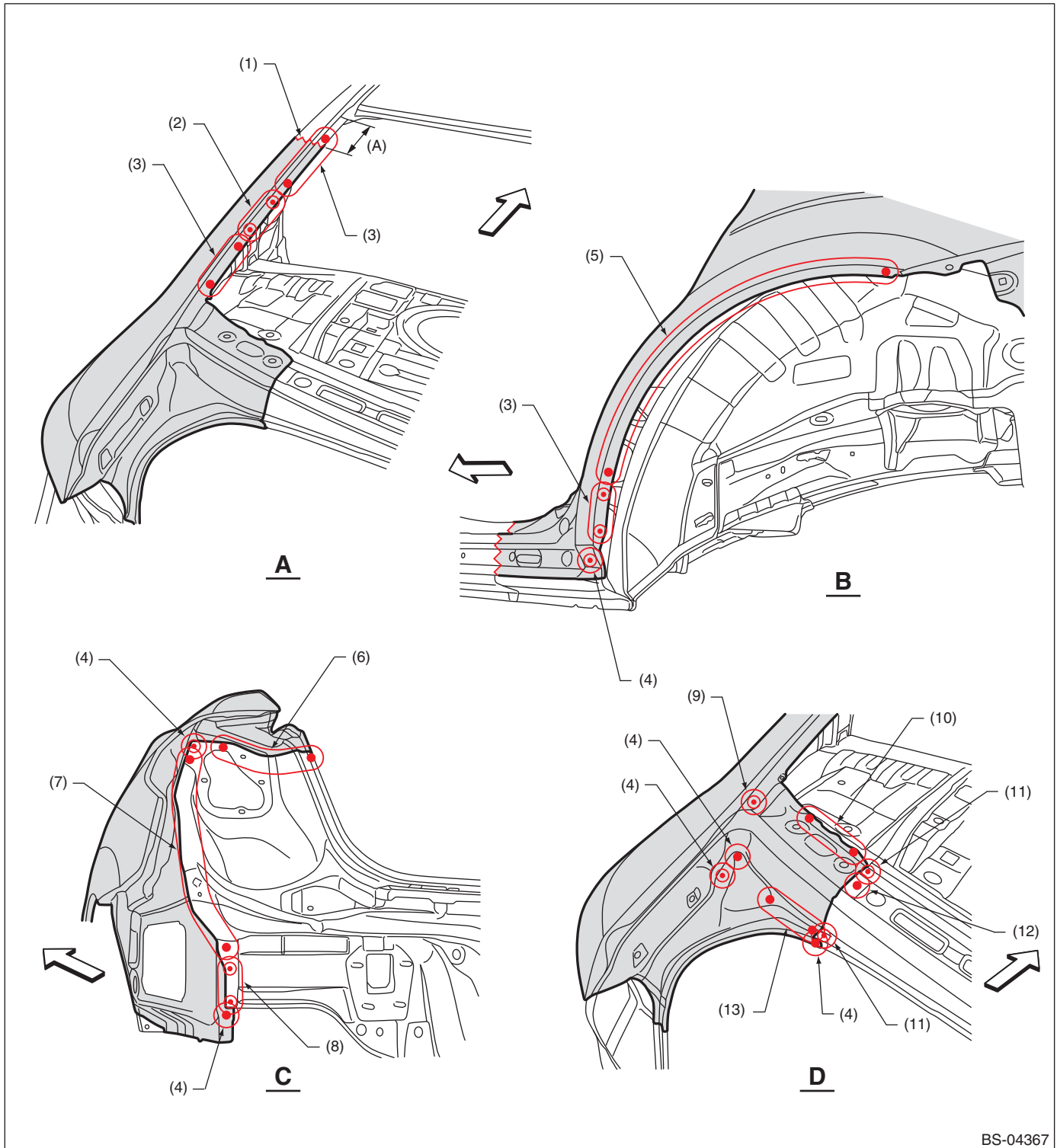
(6) 2 points (outside · 1)

(7) 5 points (outside · 1)

(8) Rough cutting

# Panel Replacement

## • Views



BS-04367

(A) 100 mm (3.94 in)

- (1) Rough cutting
- (2) 4 points (outside · 1)
- (3) 3 points (outside · 1)
- (4) 1 point (outside · 1)
- (5) 10 points (outside · 1)

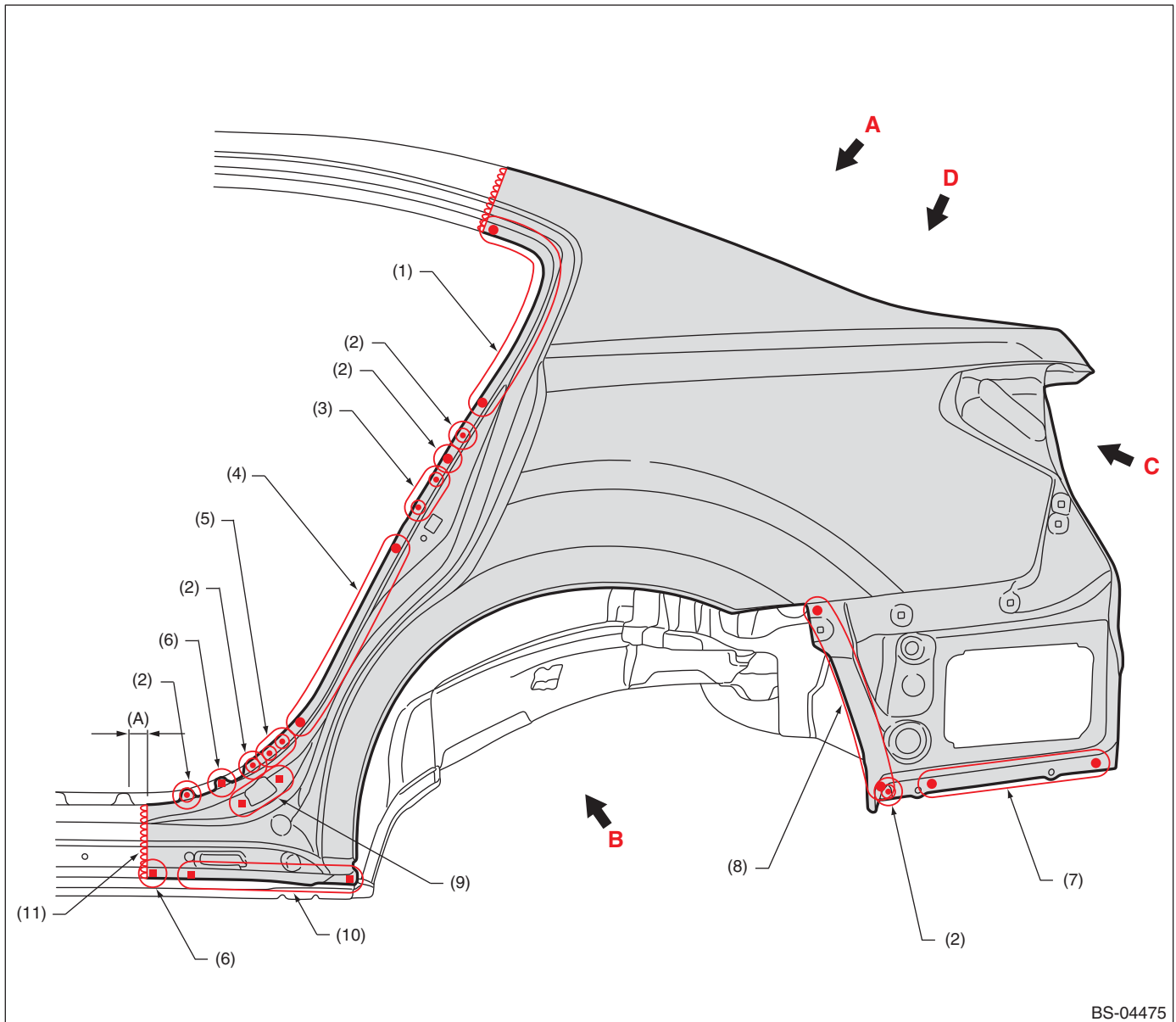
- (6) 8 points (inside · 1)
- (7) 9 points (outside · 1)
- (8) 3 points (outside · 2)
- (9) 1 point (outside · 2)
- (10) 3 points (top · 1)

- (11) 1 point (top · 2)
- (12) 1 point (top · 1)
- (13) 2 points (top · 1)

# Panel Replacement

## B: INSTALLATION

### • Overall view



(A) 50 mm (1.97 in)

(1) 8 points

(2) 1 point

(3) 3 points

(4) 6 points

(5) 2 points

(6) 1 point (service)

(7) 7 points

(8) 9 points

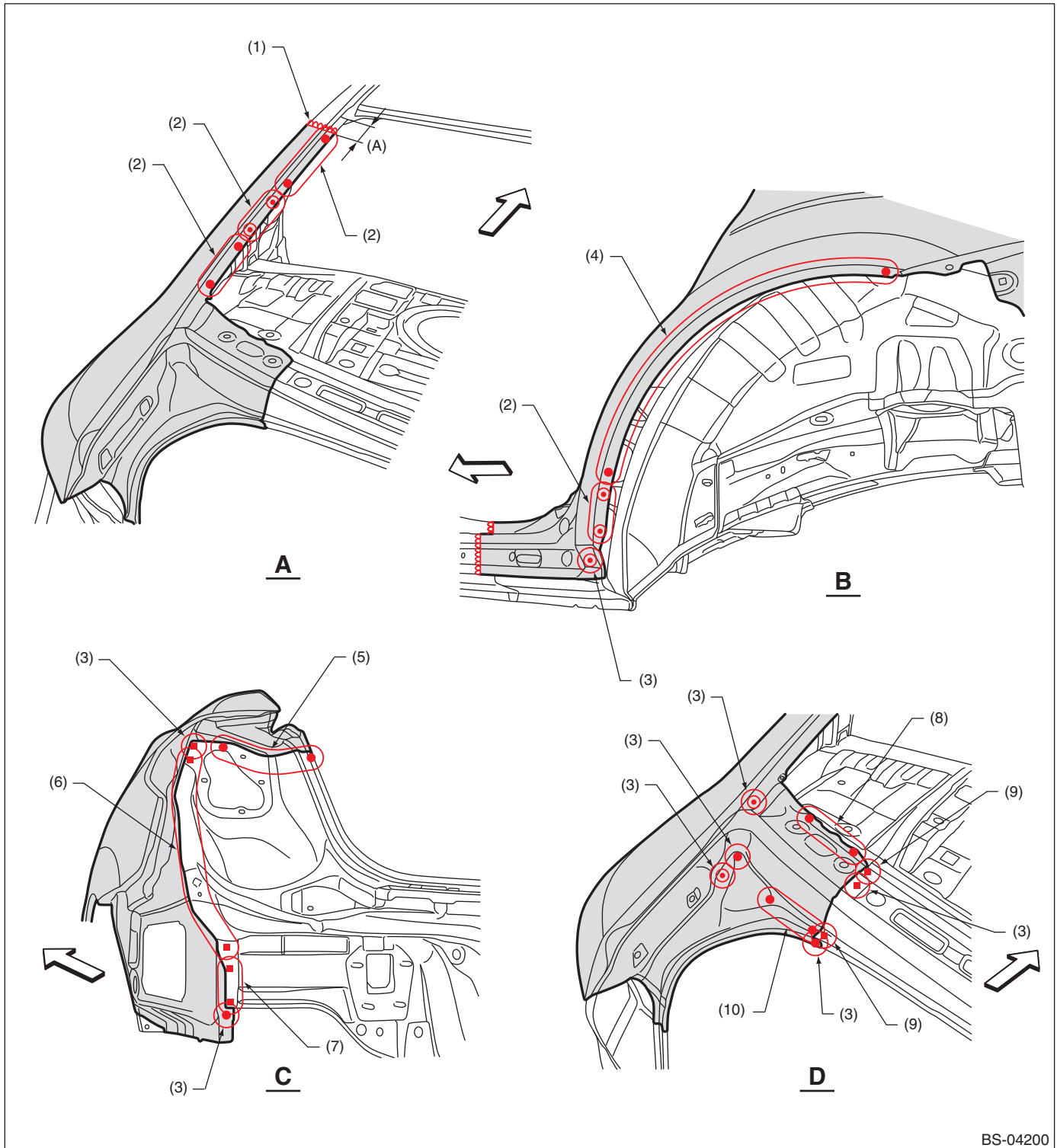
(9) 2 points (service)

(10) 5 points (service)

(11) 1 point [160 mm (6.30 in)]

# Panel Replacement

## • Views



BS-04200

(A) 60 mm (2.36 in)

(1) 1 point [235 mm (9.25 in)]

(2) 4 points

(3) 1 point

(4) 13 points

(5) 8 points

(6) 9 points

(7) 3 points (service · matching)

(8) 3 points

(9) 1 point (service · matching)

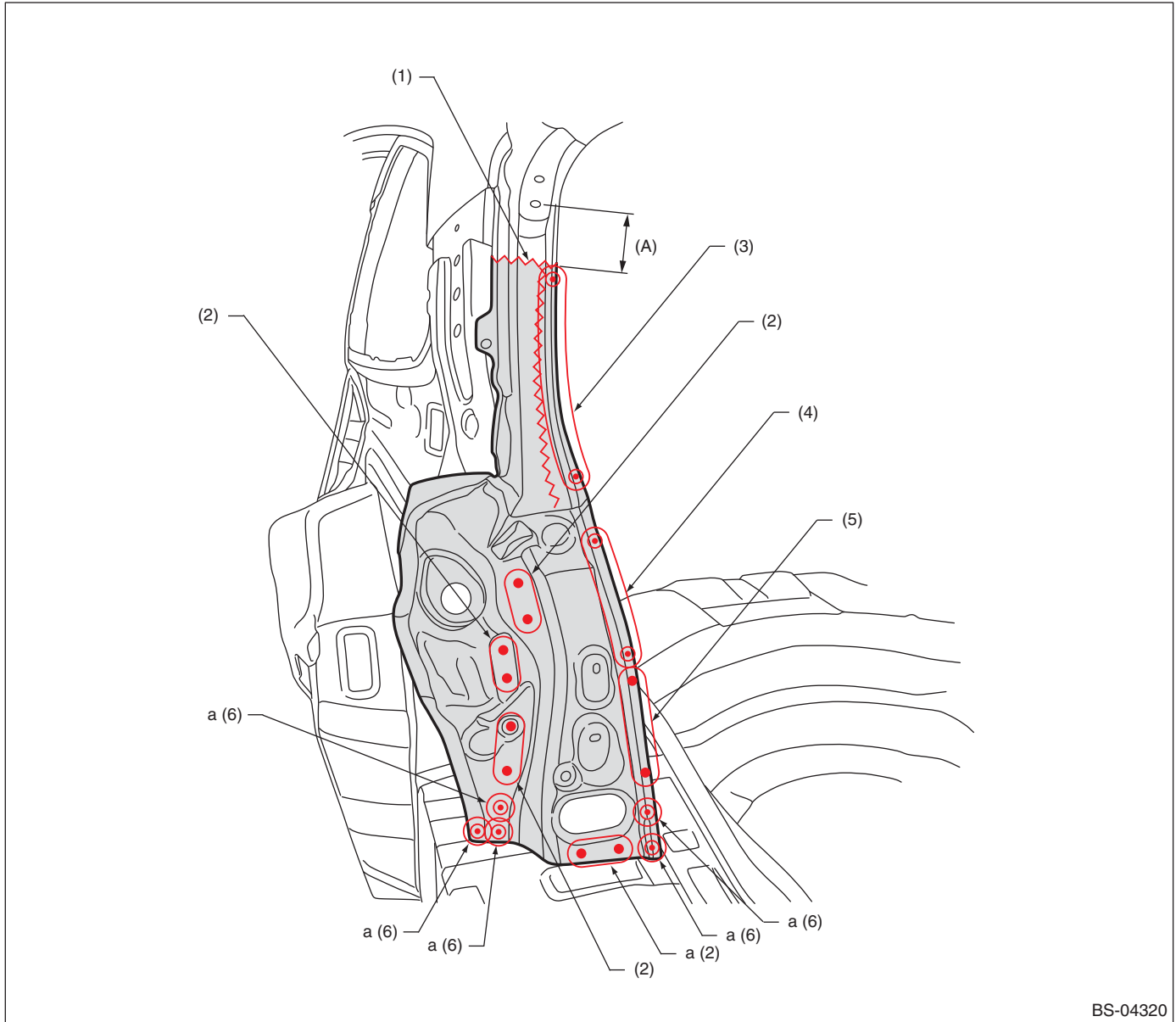
(10) 2 points

## Panel Replacement

### 11-21. Rear Quarter End (total replacement)

#### A: REMOVAL

- Rear quarter outer removal condition



BS-04320

(A) 80 mm (3.15 in)

(1) Rough cutting

(2) 2 points (outside · 1)

(3) 6 points (outside · 1)

(4) 4 points (outside · 1)

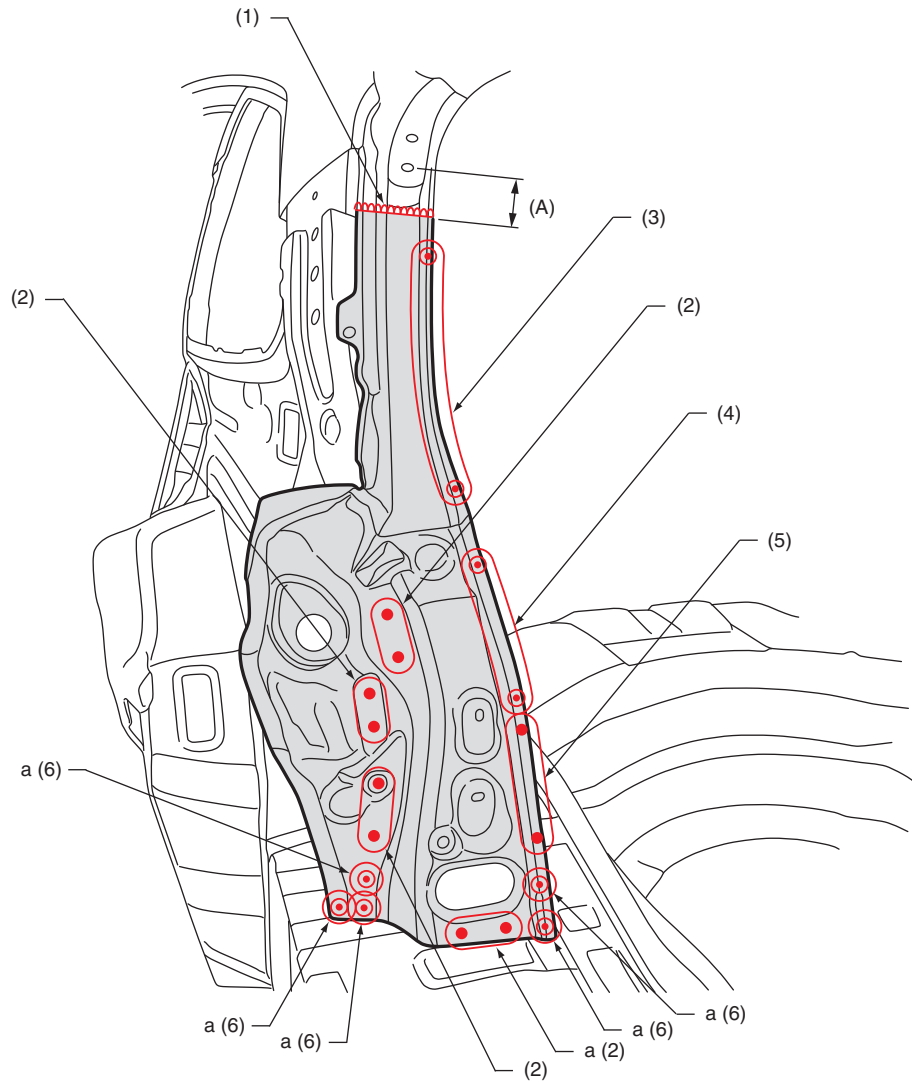
(5) 3 points (outside · 1)

(6) 1 point (outside · 1)

“a” is not required when the rear skirt is removed.

# Panel Replacement

## B: INSTALLATION



BS-04321

(A) 50 mm (1.97 in)

(1) 1 point [105 mm (4.13 in)]

(3) 8 points

(5) 4 points

(2) 2 points

(4) 5 points

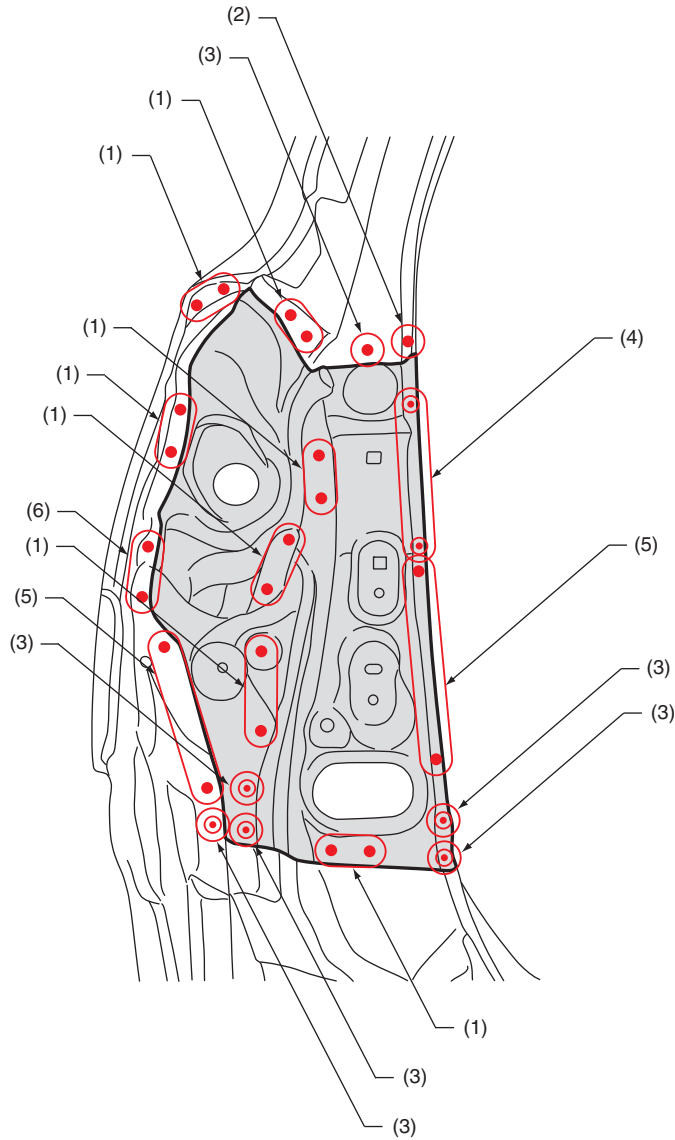
(6) 1 point

“a” is not required when the rear skirt is removed.

## Panel Replacement

### 11-22. Rear Quarter End (replacement of only the part)

#### A: REMOVAL



BS-04539

(1) 2 points (outside · 1)

(2) 1 point (outside · 1, belt sander)

(3) 1 point (outside · 1)

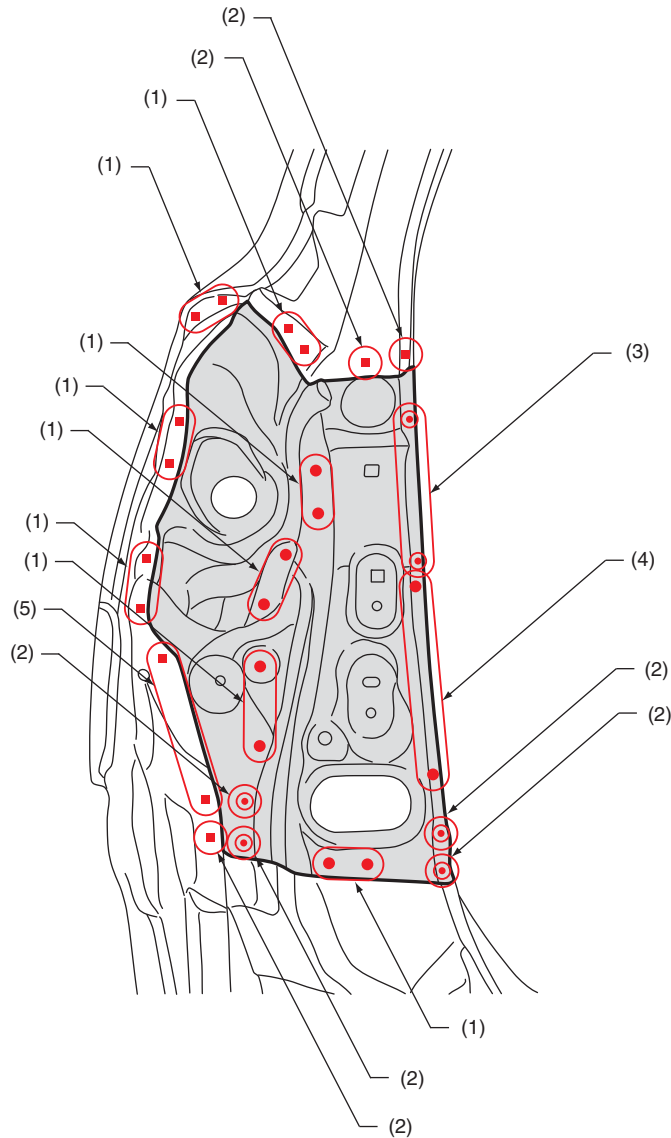
(4) 4 points (outside · 1)

(5) 3 points (outside · 1)

(6) 2 points (top · 1)

# Panel Replacement

## B: INSTALLATION



BS-04540

(1) 2 points  
(2) 1 point

(3) 5 points  
(4) 4 points

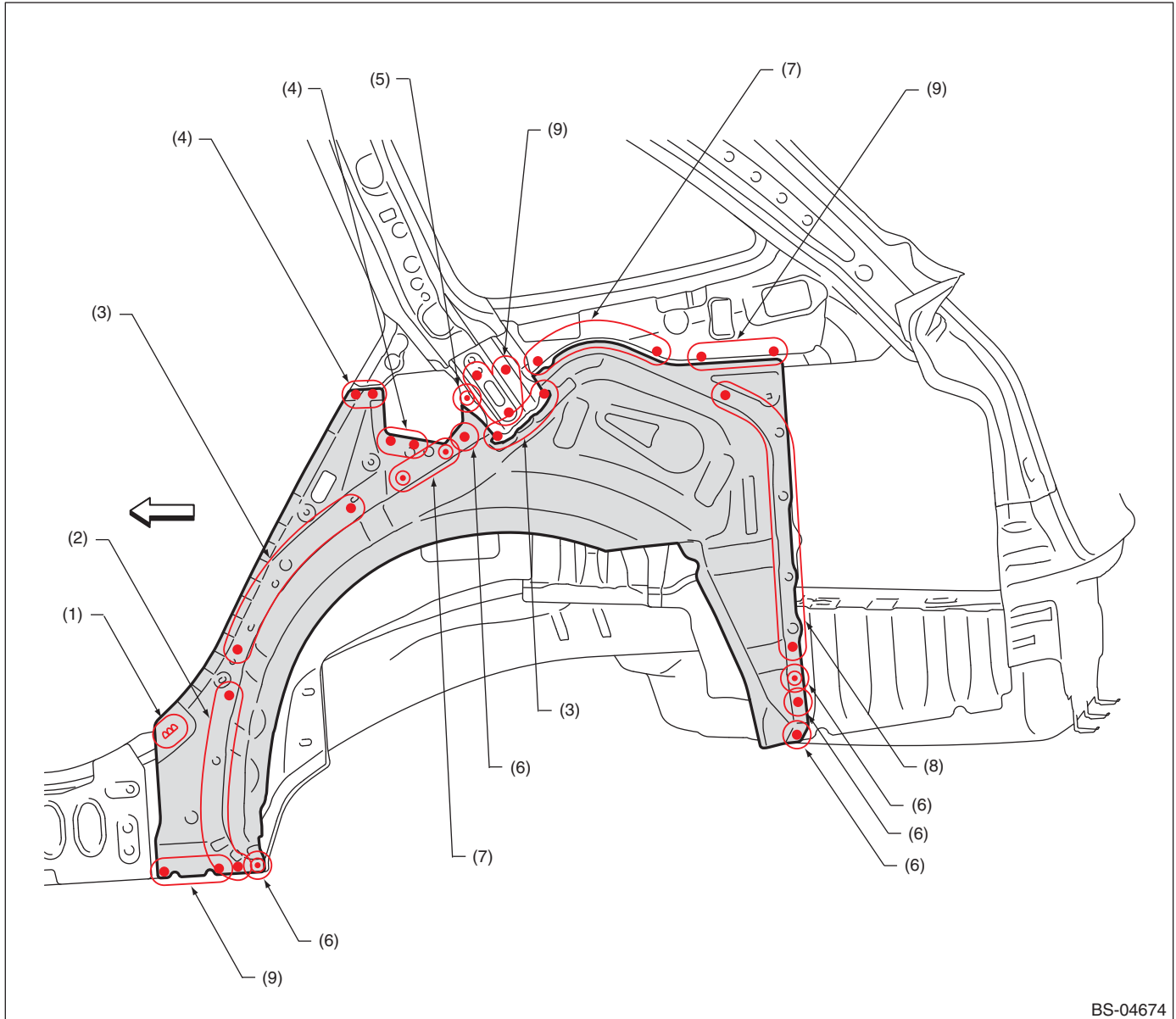
(5) 3 points

## Panel Replacement

### 11-23. Rear Wheel Apron/OUTBACK LH (total replacement)

#### A: REMOVAL

- Rear quarter outer and side sill reinforcement outer removal condition



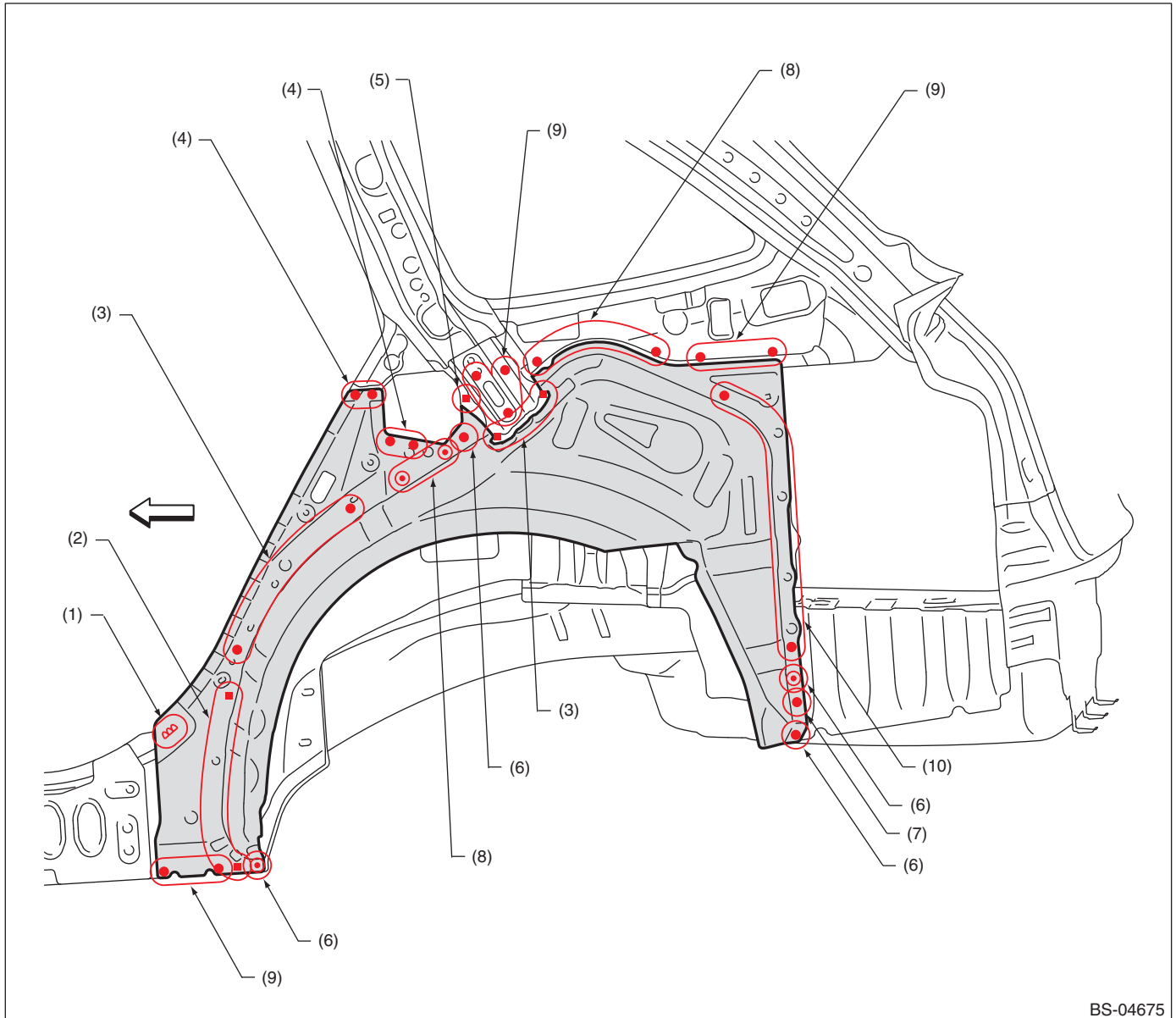
- (1) 1 point (inside · 1, belt sander)  
(2) 5 points (outside · 1)  
(3) 6 points (outside · 1)

- (4) 2 points (inside · 1)  
(5) 1 point (outside · 2)  
(6) 1 point (outside · 1)

- (7) 4 points (outside · 2)  
(8) 8 points (outside · 1)  
(9) 3 points (outside · 1)

# Panel Replacement

## B: INSTALLATION



BS-04675

- (1) 1 point [25 mm (0.98 in)]
- (2) 5 points (service)
- (3) 6 points
- (4) 2 points

- (5) 1 point (service · matching)
- (6) 1 point
- (7) 1 point (service)
- (8) 4 points

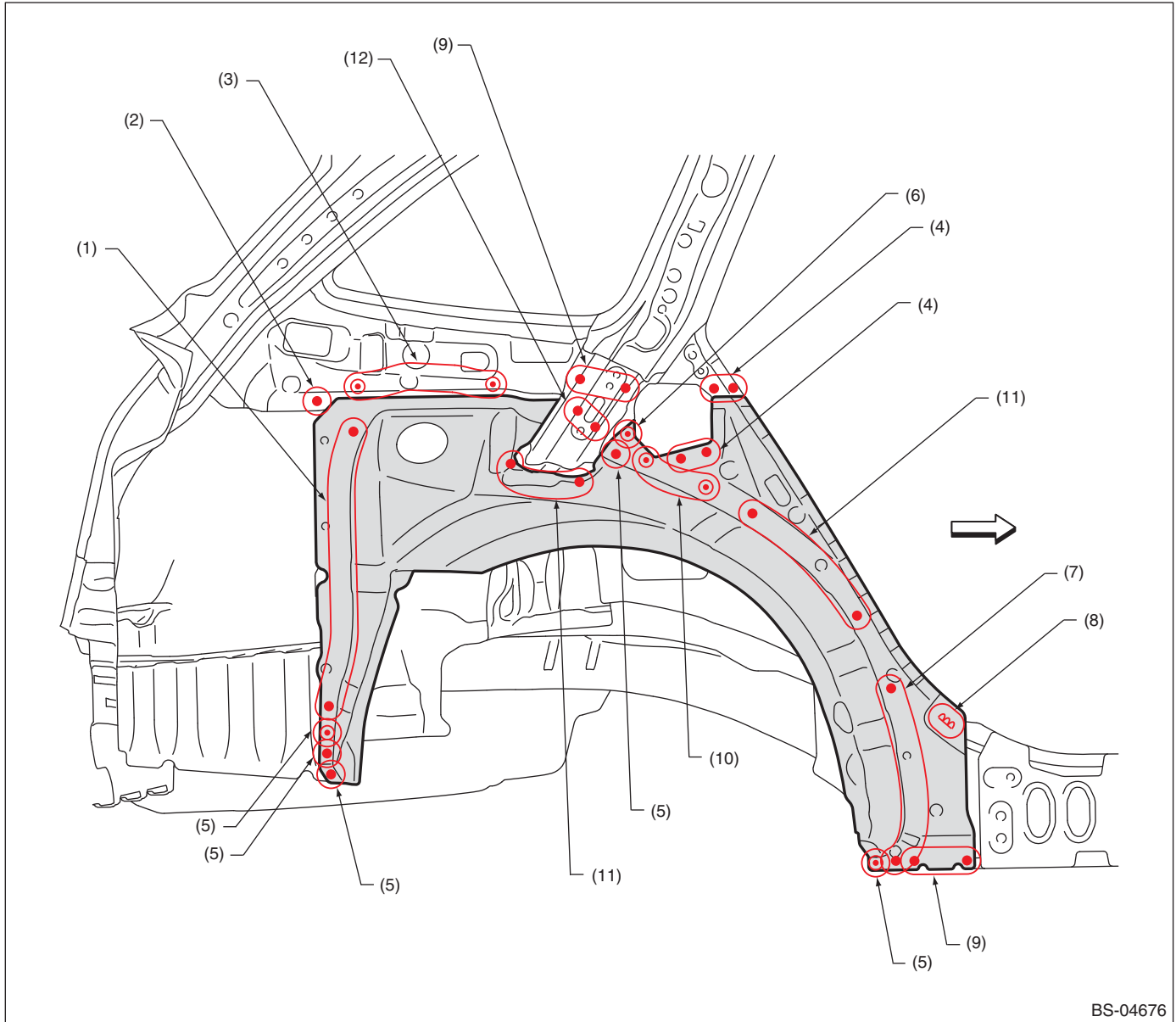
- (9) 3 points
- (10) 8 points

## Panel Replacement

### 11-24. Rear Wheel Apron/OUTBACK RH (total replacement)

#### A: REMOVAL

- Rear quarter outer and side sill reinforcement outer removal condition

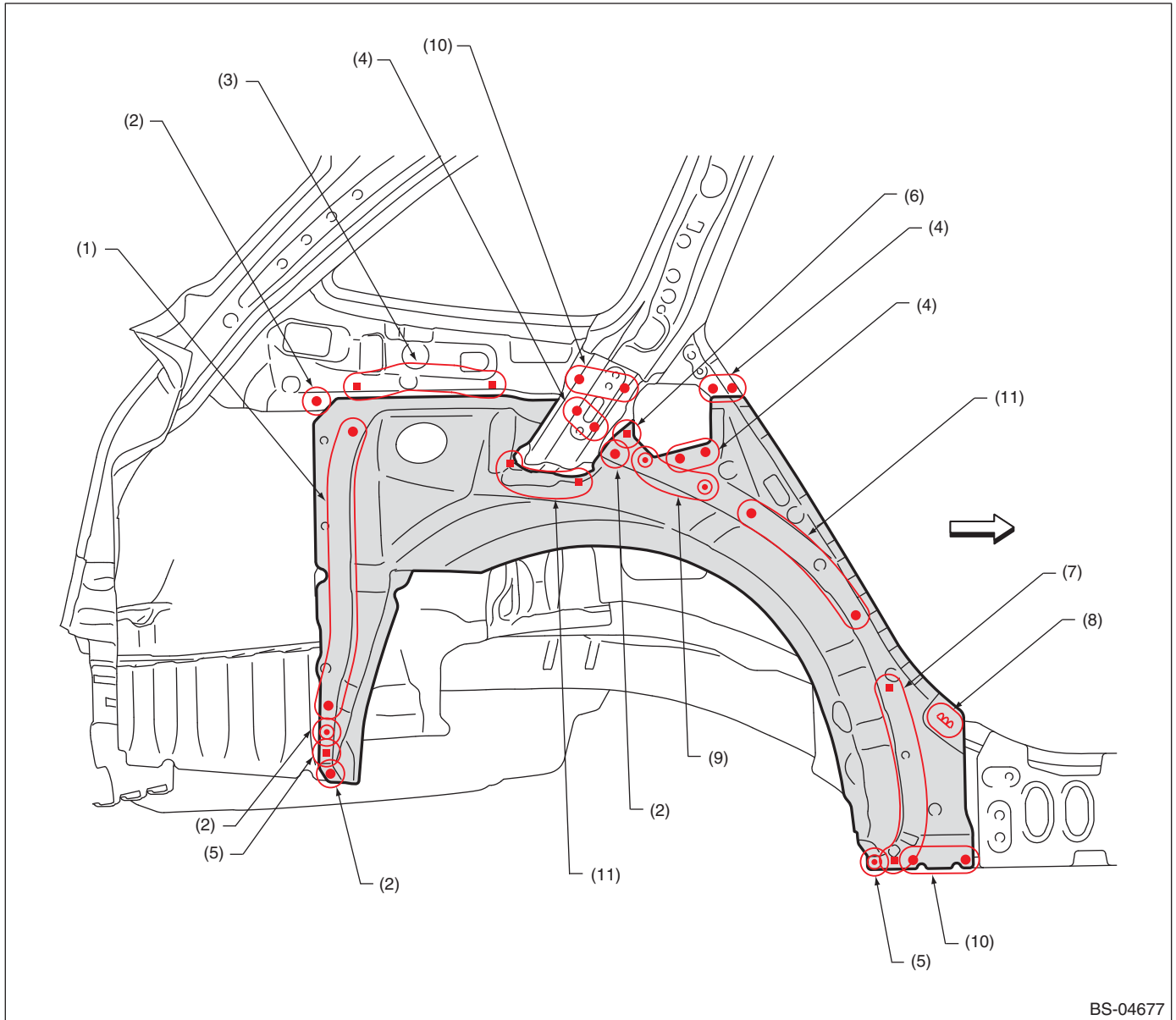


BS-04676

- |                            |                                       |                             |
|----------------------------|---------------------------------------|-----------------------------|
| (1) 7 points (outside · 1) | (5) 1 point (outside · 1)             | (9) 3 points (outside · 1)  |
| (2) 1 point (inside · 1)   | (6) 1 point (outside · 2)             | (10) 4 points (outside · 2) |
| (3) 5 points (outside · 2) | (7) 5 points (outside · 1)            | (11) 6 points (outside · 1) |
| (4) 2 points (inside · 1)  | (8) 1 point (inside · 1, belt sander) | (12) 2 points (outside · 1) |

# Panel Replacement

## B: INSTALLATION



BS-04677

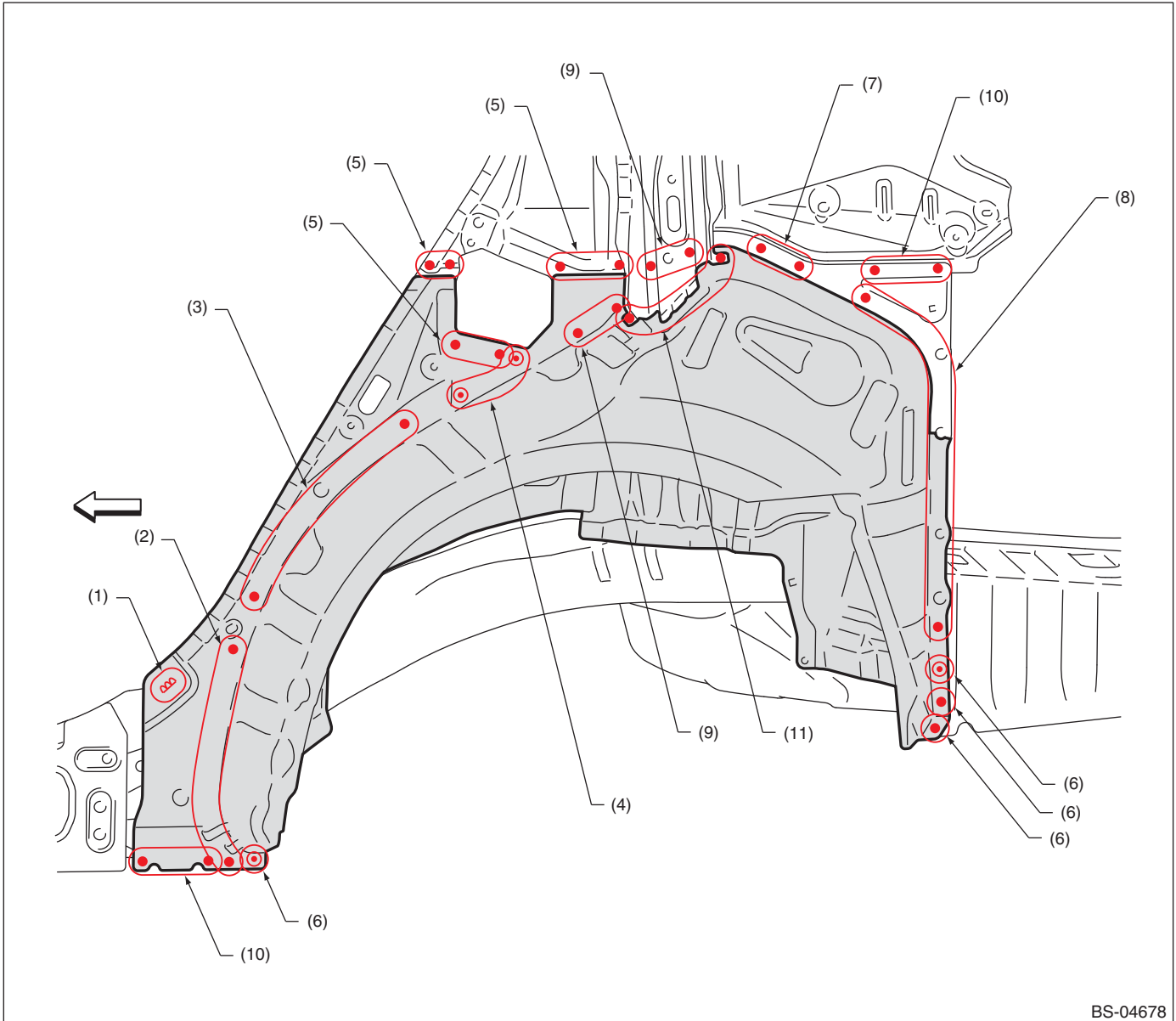
- |                                   |                                  |               |
|-----------------------------------|----------------------------------|---------------|
| (1) 7 points                      | (5) 1 point (service)            | (9) 4 points  |
| (2) 1 point                       | (6) 1 point (service · matching) | (10) 3 points |
| (3) 5 points (service · matching) | (7) 5 points (service)           | (11) 6 points |
| (4) 2 points                      | (8) 1 point [20 mm (0.79 in)]    |               |

## Panel Replacement

### 11-25. Rear Wheel Apron/Sedan LH (total replacement)

#### A: REMOVAL

- Rear quarter outer and side sill reinforcement outer removal condition



BS-04678

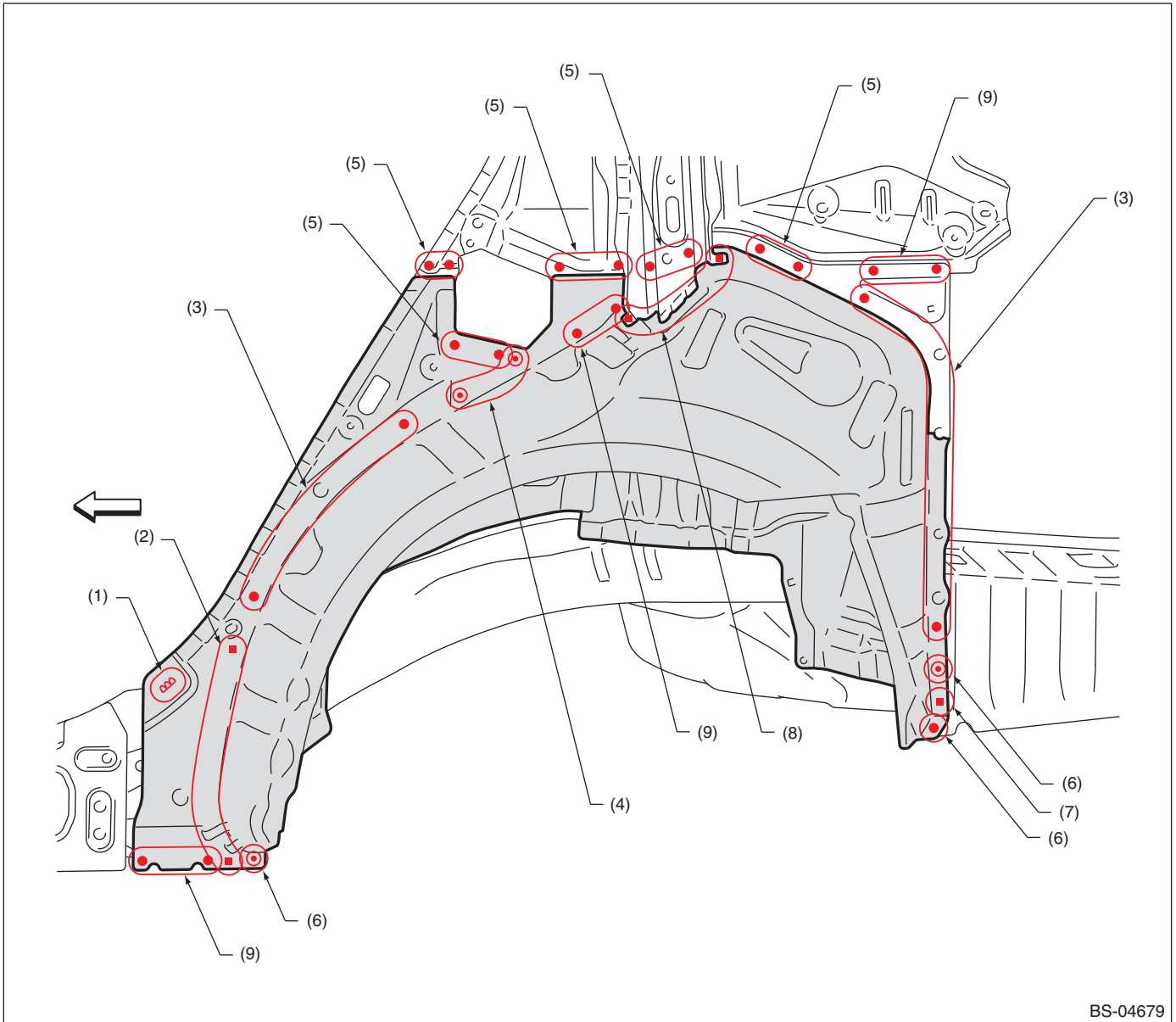
- (1) 1 point (inside · 1, belt sander)
- (2) 5 points (outside · 1)
- (3) 6 points (outside · 1)
- (4) 4 points (outside · 2)

- (5) 2 points (inside · 1)
- (6) 1 point (outside · 1)
- (7) 2 points (outside · 2)
- (8) 8 points (outside · 1)

- (9) 2 points (outside · 1)
- (10) 3 points (outside · 1)
- (11) 7 points (outside · 1)

# Panel Replacement

## B: INSTALLATION



- (1) 1 point [20 mm (0.79 in)]
- (2) 5 points (service)
- (3) 6 points

- (4) 4 points
- (5) 2 points
- (6) 1 point

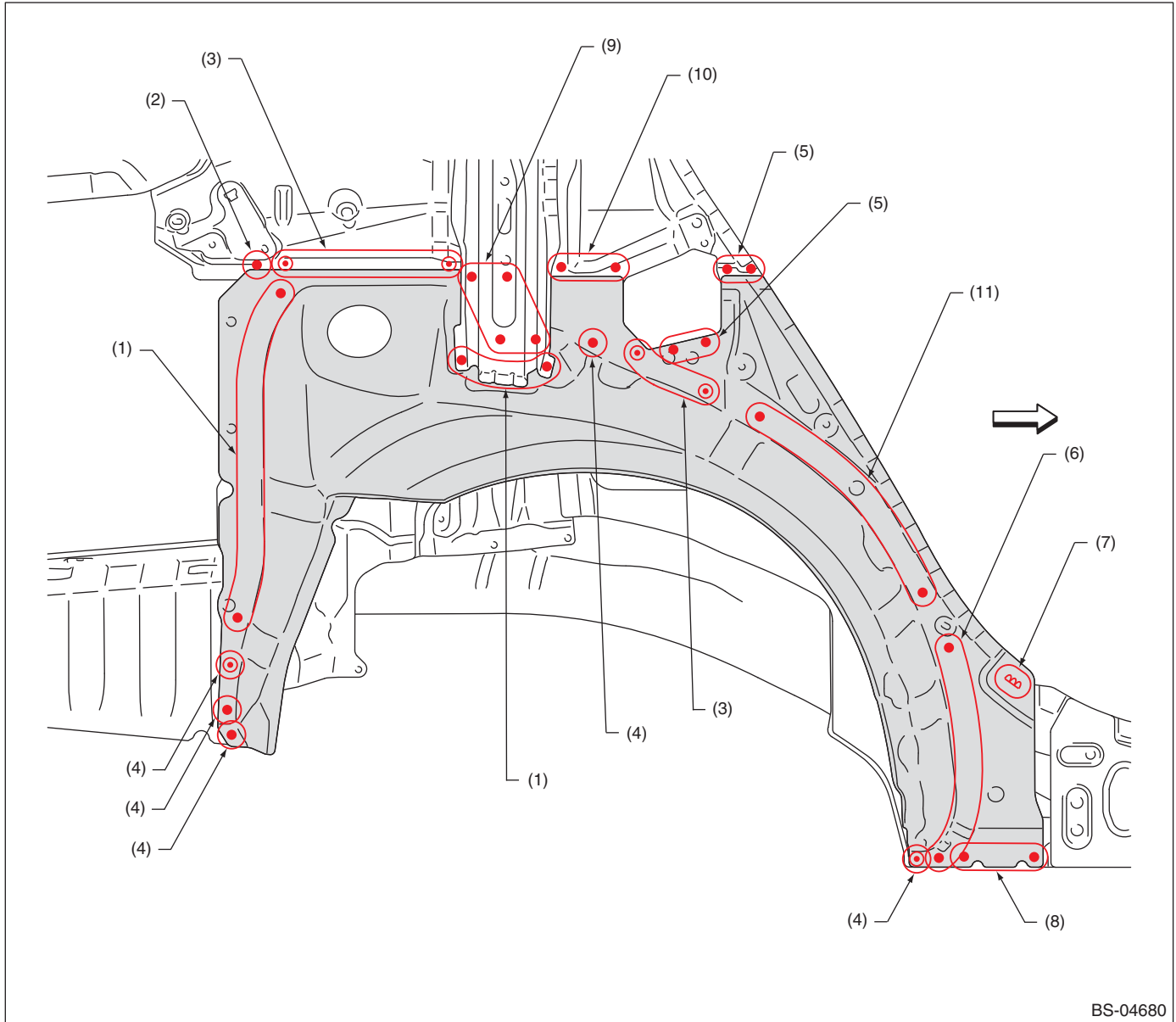
- (7) 1 point (service)
- (8) 7 points
- (9) 3 points

## Panel Replacement

### 11-26. Rear Wheel Apron/Sedan RH (total replacement)

#### A: REMOVAL

- Rear quarter outer and side sill reinforcement outer removal condition

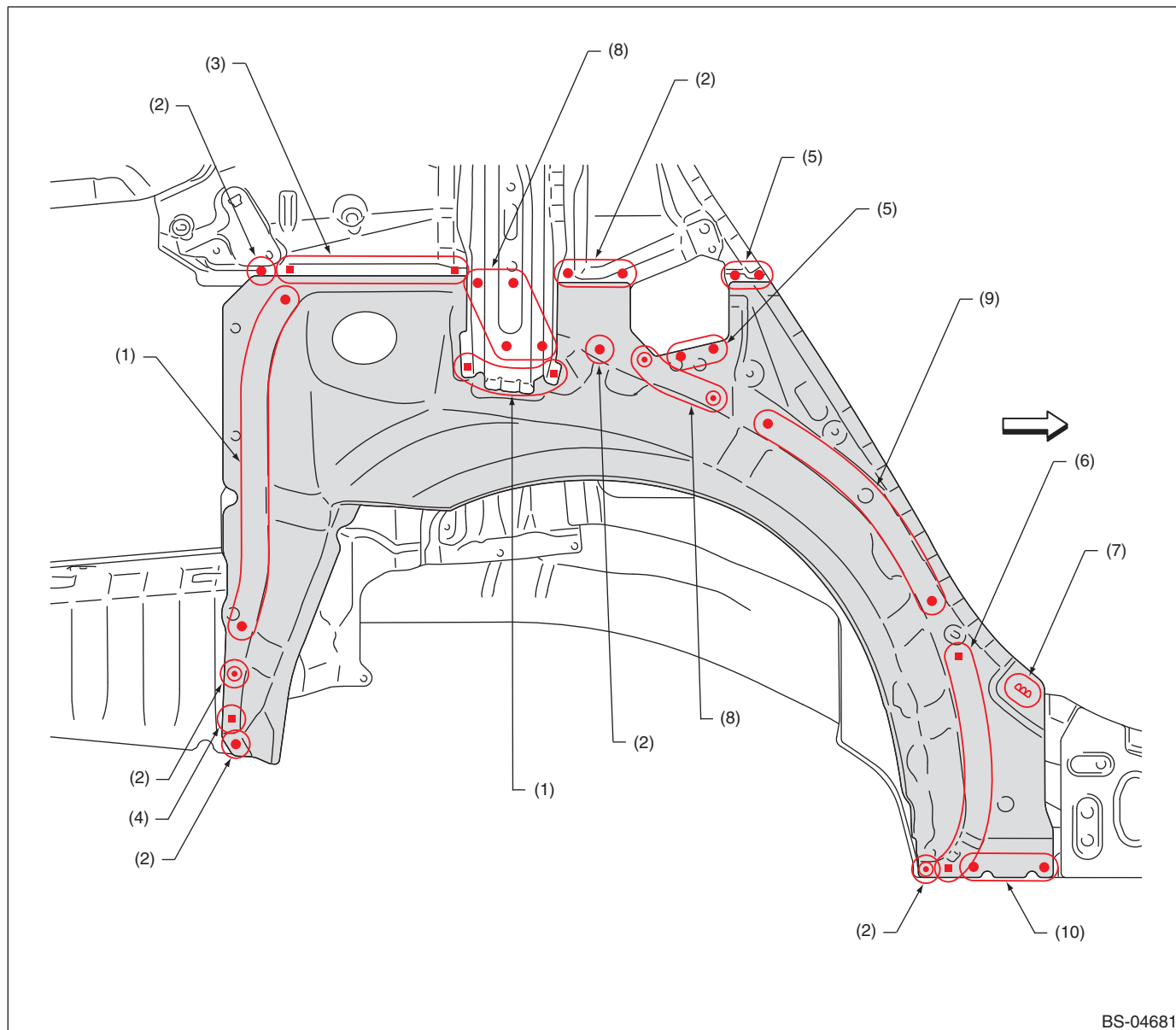


BS-04680

- |                            |                                       |                             |
|----------------------------|---------------------------------------|-----------------------------|
| (1) 7 points (outside - 1) | (5) 2 points (inside - 1)             | (9) 4 points (outside - 1)  |
| (2) 1 point (inside - 1)   | (6) 5 points (outside - 1)            | (10) 2 points (outside - 1) |
| (3) 4 points (outside - 2) | (7) 1 point (inside - 1, belt sander) | (11) 6 points (outside - 1) |
| (4) 1 point (outside - 1)  | (8) 3 points (outside - 1)            |                             |

# Panel Replacement

## B: INSTALLATION



- (1) 7 points
- (2) 1 point
- (3) 4 points (service · matching)
- (4) 1 point (service)

- (5) 2 points
- (6) 5 points (service)
- (7) 1 point [20 mm (0.79 in)]
- (8) 4 points

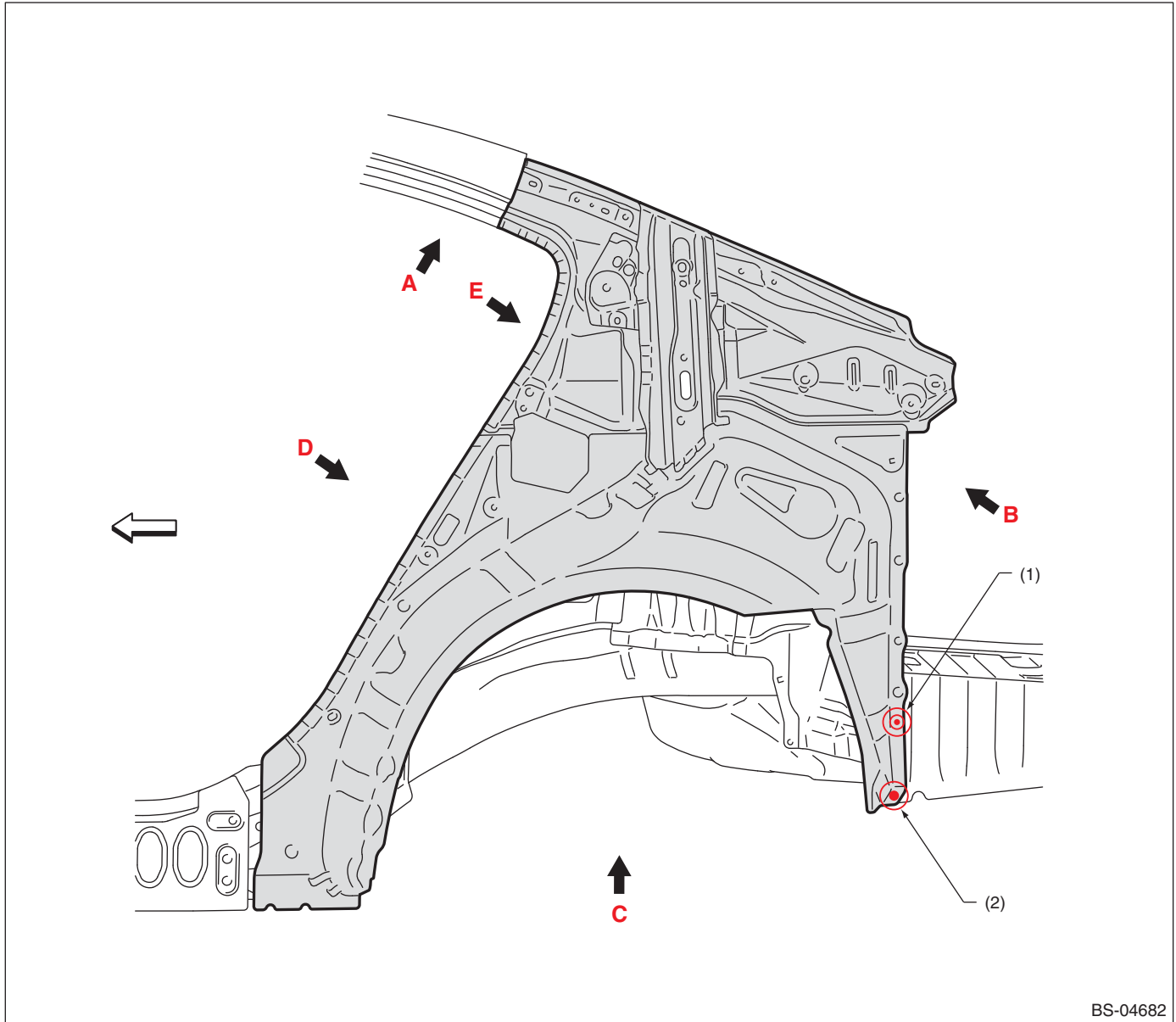
- (9) 6 points
- (10) 3 points

## Panel Replacement

### 11-27. Rear Quarter Inner/Sedan (total replacement)

#### A: REMOVAL

- Overall view (rear quarter outer and side sill reinforcement outer removal condition)

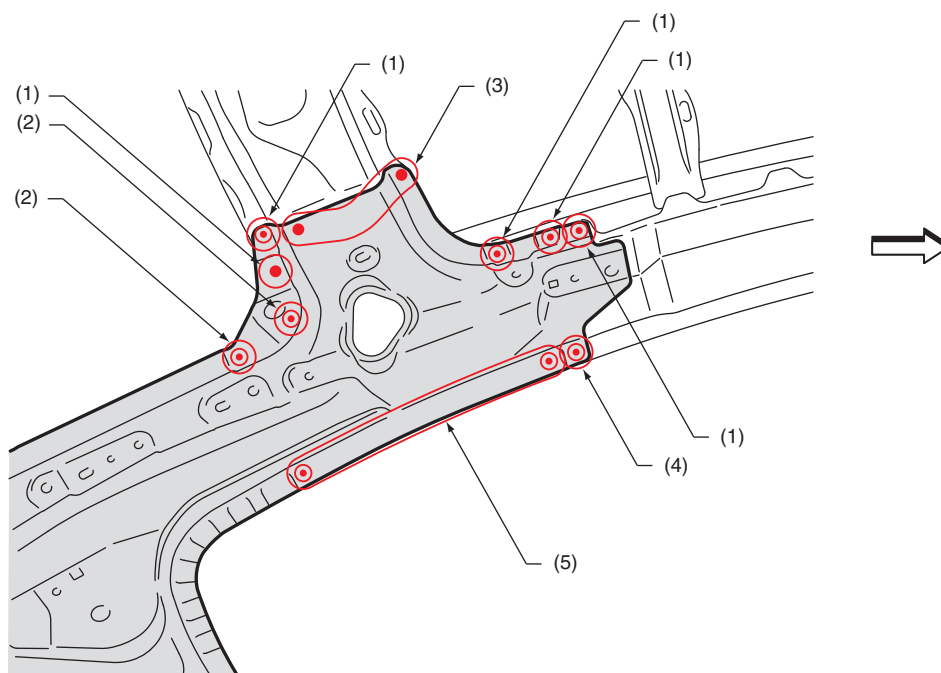


(1) 1 point (outside · 2)

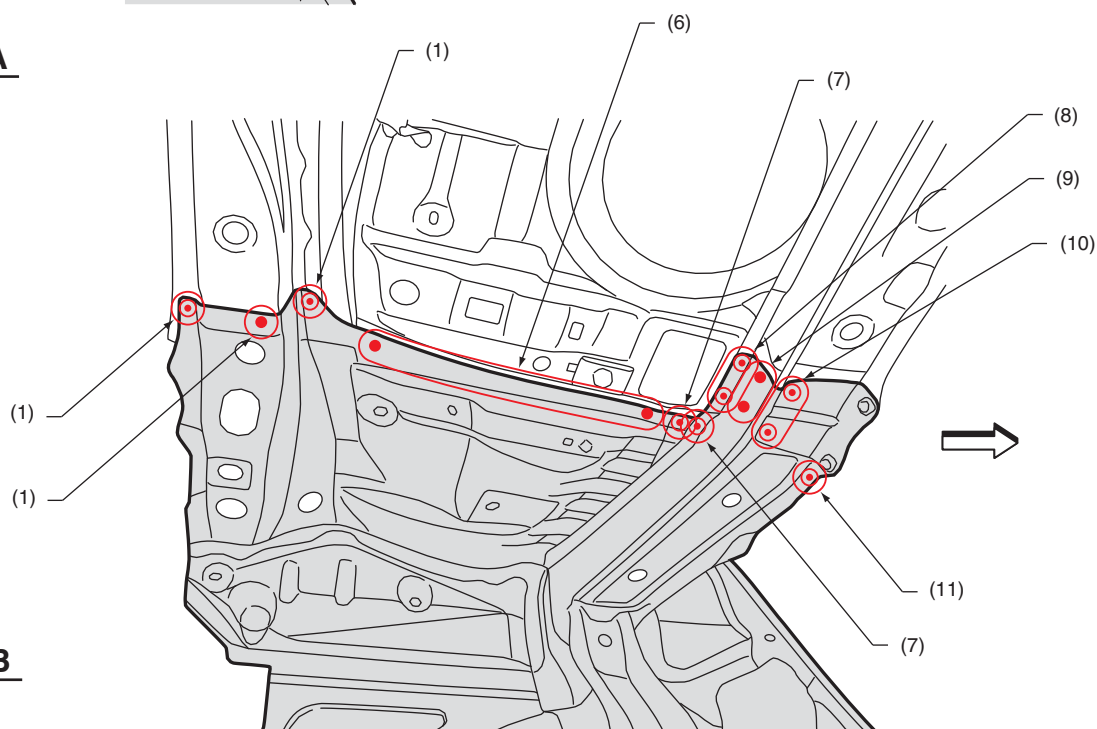
(2) 1 point (outside · 1)

# Panel Replacement

## • Views 1



**A**



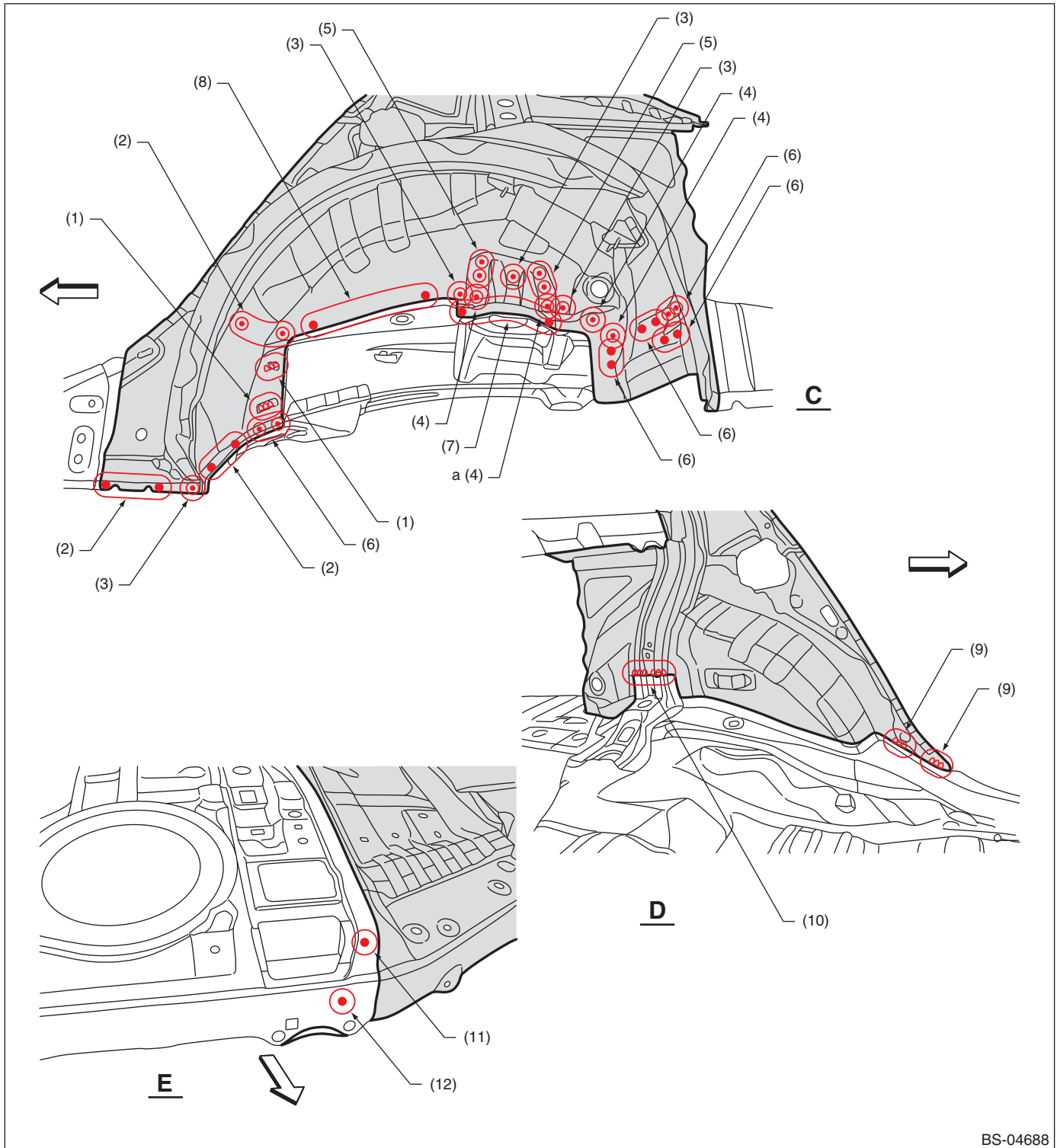
**B**

BS-04683

- |                           |                           |                            |
|---------------------------|---------------------------|----------------------------|
| (1) 1 point (bottom · 1)  | (5) 5 points (inside · 1) | (9) 2 points (outside · 1) |
| (2) 1 point (outside · 1) | (6) 6 points (bottom · 1) | (10) 2 points (bottom · 2) |
| (3) 4 points (bottom · 1) | (7) 1 point (bottom · 2)  | (11) 1 point (outside · 2) |
| (4) 1 point (inside · 1)  | (8) 2 points (bottom · 1) |                            |

# Panel Replacement

## • Views 2



BS-04688

- (1) 1 point (outside · 1, belt sander)
- (2) 3 points (outside · 1)
- (3) 1 point (outside · 2)
- (4) 1 point (outside · 1)

- (5) 2 points (outside · 2)
- (6) 2 points (outside · 1)
- (7) 6 points (outside · 1)
- (8) 5 points (outside · 1)

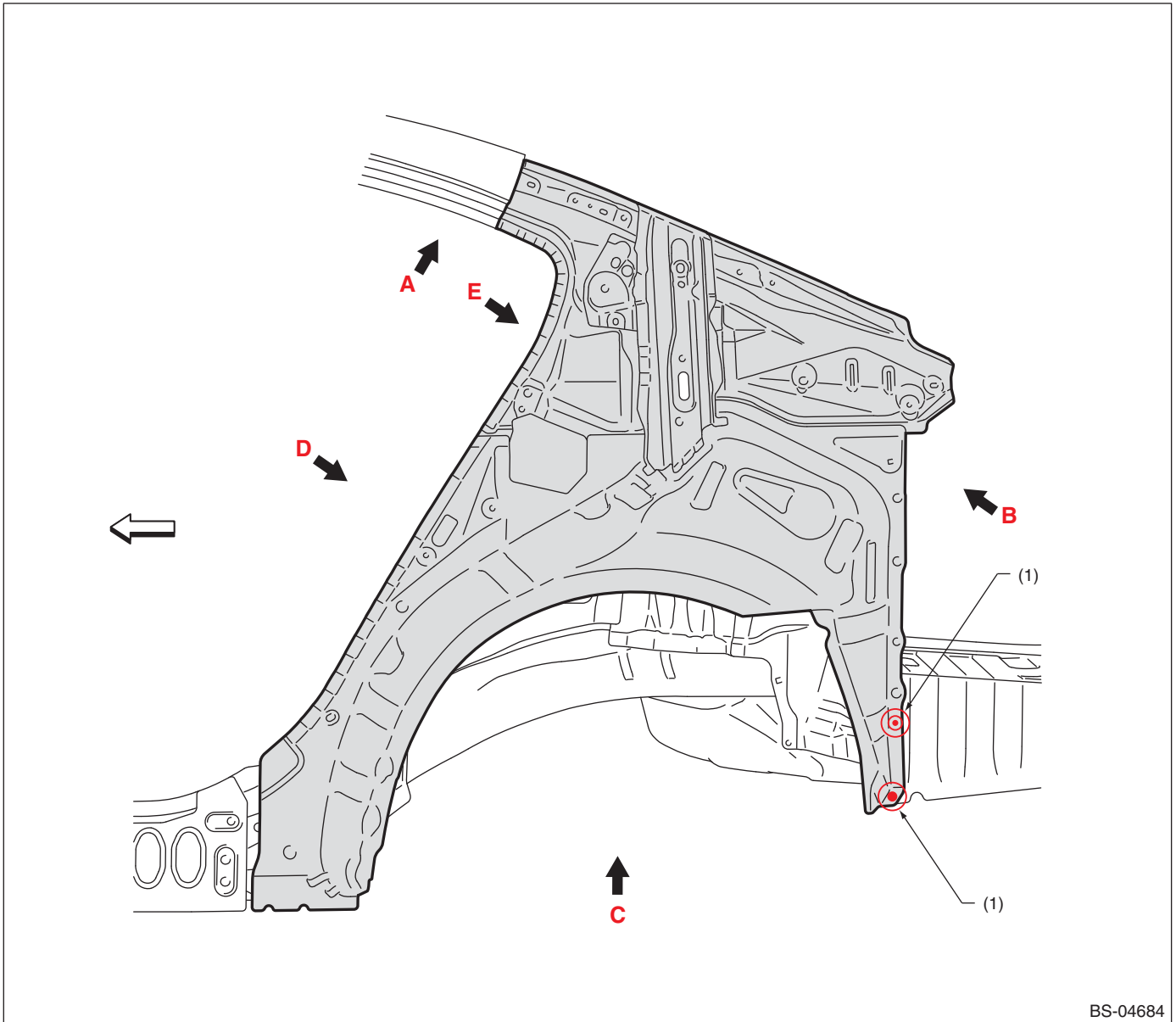
- (9) 1 point (inside · 1, belt sander)
- (10) 2 points (inside · 1, belt sander)
- (11) 1 point (top · 1)
- (12) 1 point (inside · 1)

For part "a", LH only

# Panel Replacement

## B: INSTALLATION

- Overall view

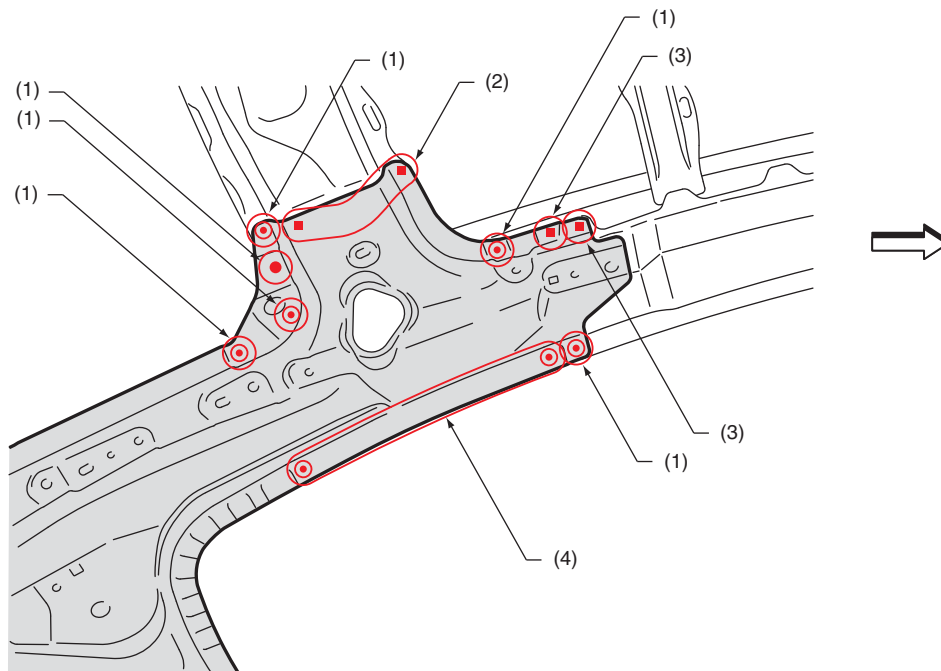


BS-04684

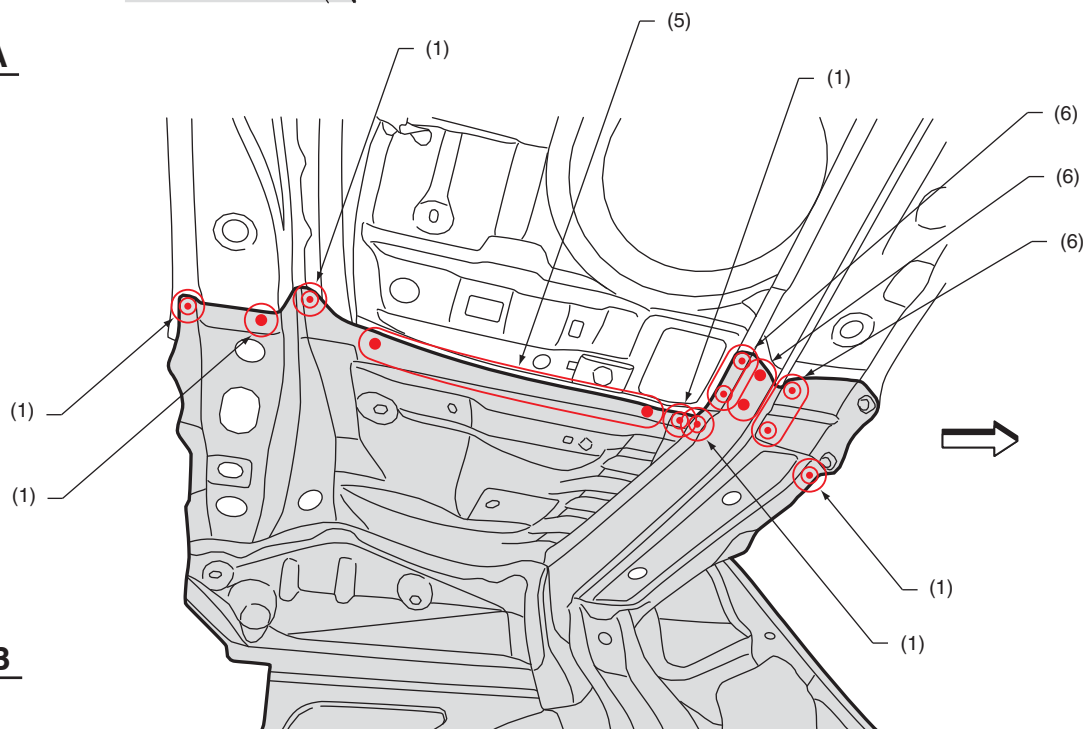
(1) 1 point

# Panel Replacement

## • Views 1



**A**



**B**

BS-04685

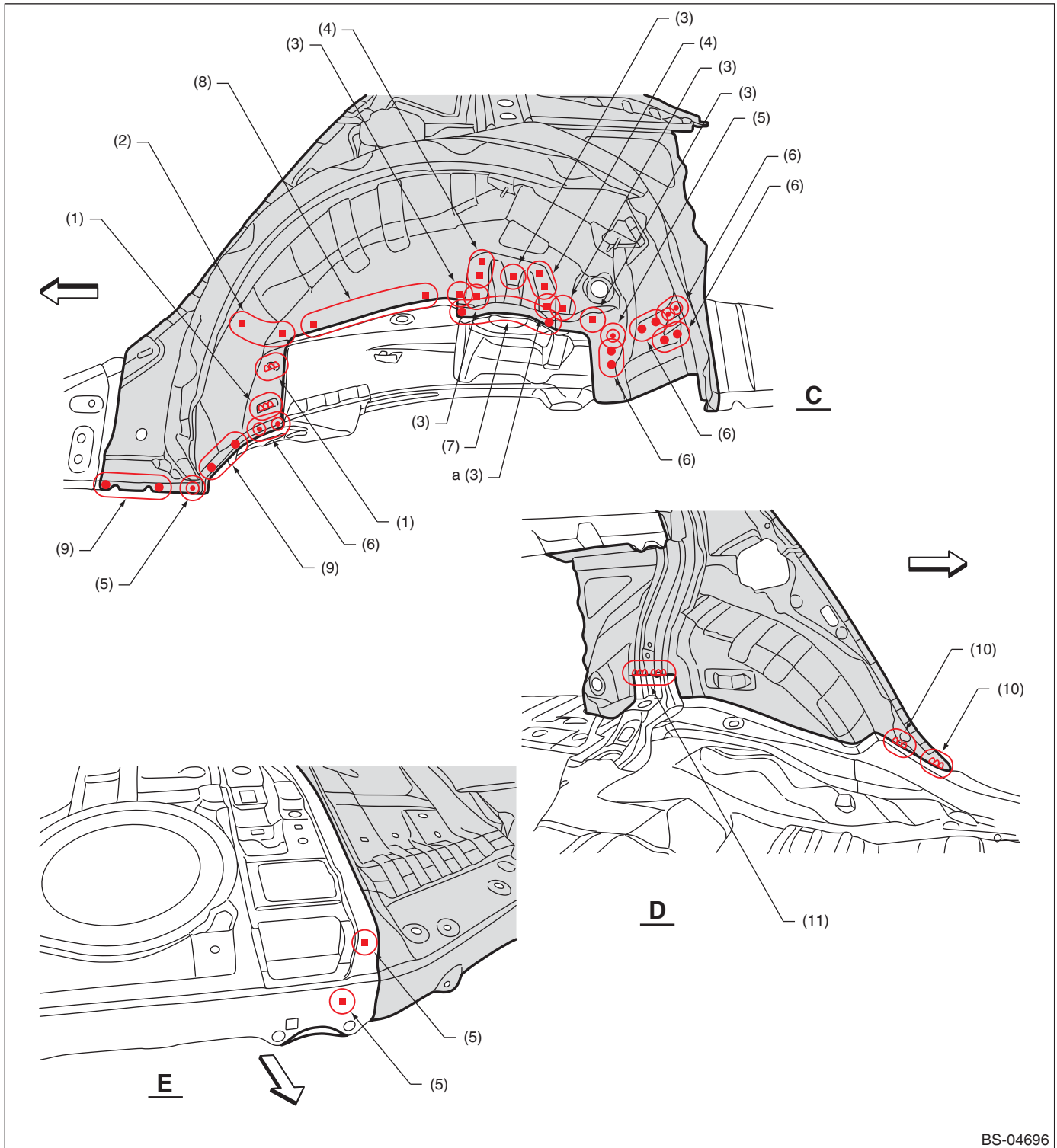
- (1) 1 point  
(2) 4 points (service)

- (3) 1 point (service)  
(4) 5 points

- (5) 6 points  
(6) 2 points

# Panel Replacement

## • Views 2



BS-04696

- |                               |                        |                                 |
|-------------------------------|------------------------|---------------------------------|
| (1) 1 point [10 mm (0.39 in)] | (5) 1 point            | (9) 3 points                    |
| (2) 3 points (service)        | (6) 2 points           | (10) 1 point [20 mm (0.79 in)]  |
| (3) 1 point (service)         | (7) 6 points           | (11) 2 points [10 mm (0.39 in)] |
| (4) 2 points (service)        | (8) 5 points (service) |                                 |

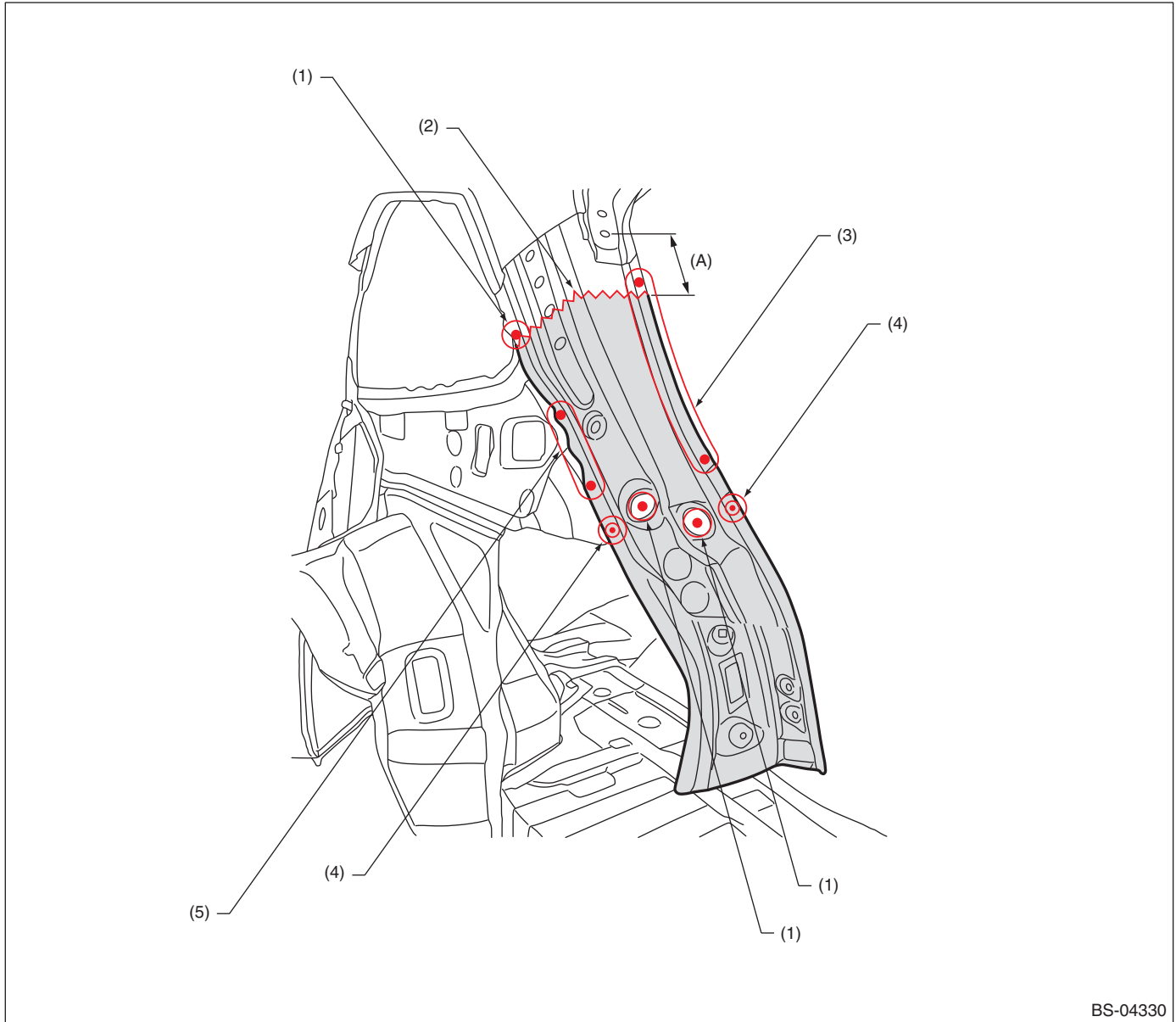
For part "a", LH only

## Panel Replacement

### 11-28. D-pillar Reinforcement (partial replacement)

#### A: REMOVAL

- Rear quarter outer and rear skirt removal condition



BS-04330

(A) 120 mm (4.72 in)

(1) 1 point (outside · 1)

(2) Rough cutting

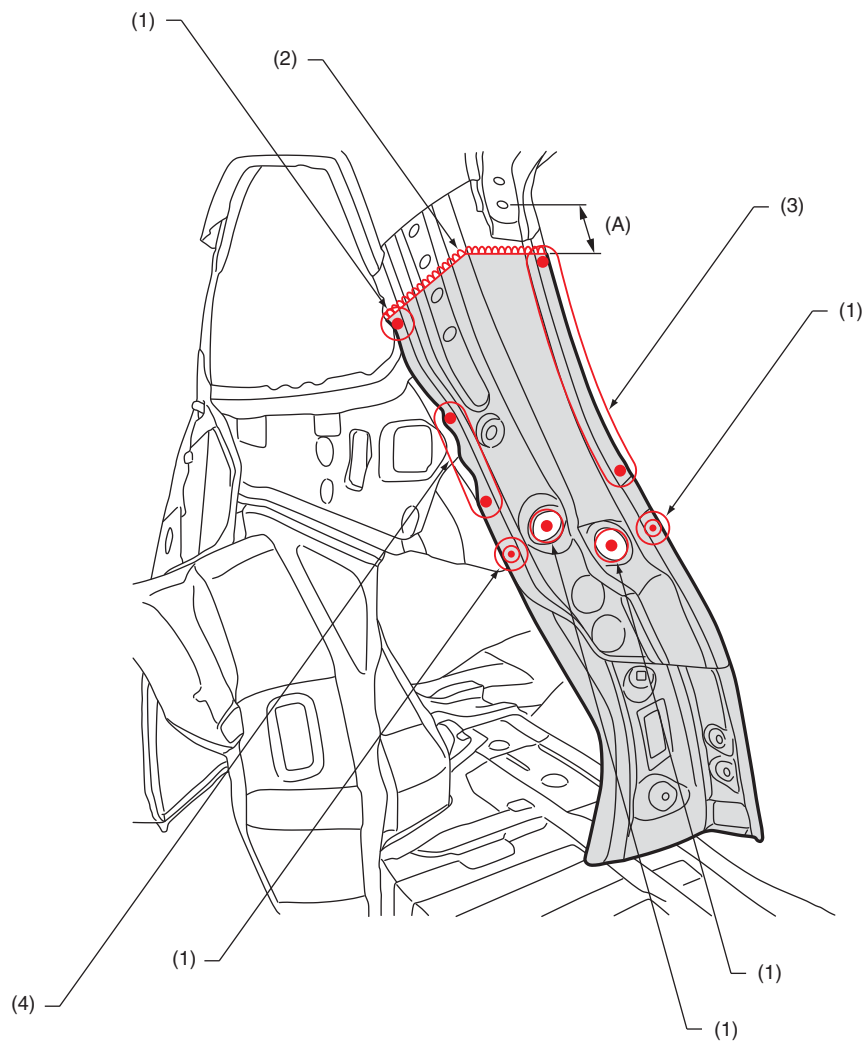
(3) 8 points (outside · 1)

(4) 1 point (outside · 2)

(5) 3 points (outside · 1)

# Panel Replacement

## B: INSTALLATION



BS-04331

(A) 80 mm (3.15 in)

(1) 1 point

(3) 8 points

(4) 4 points

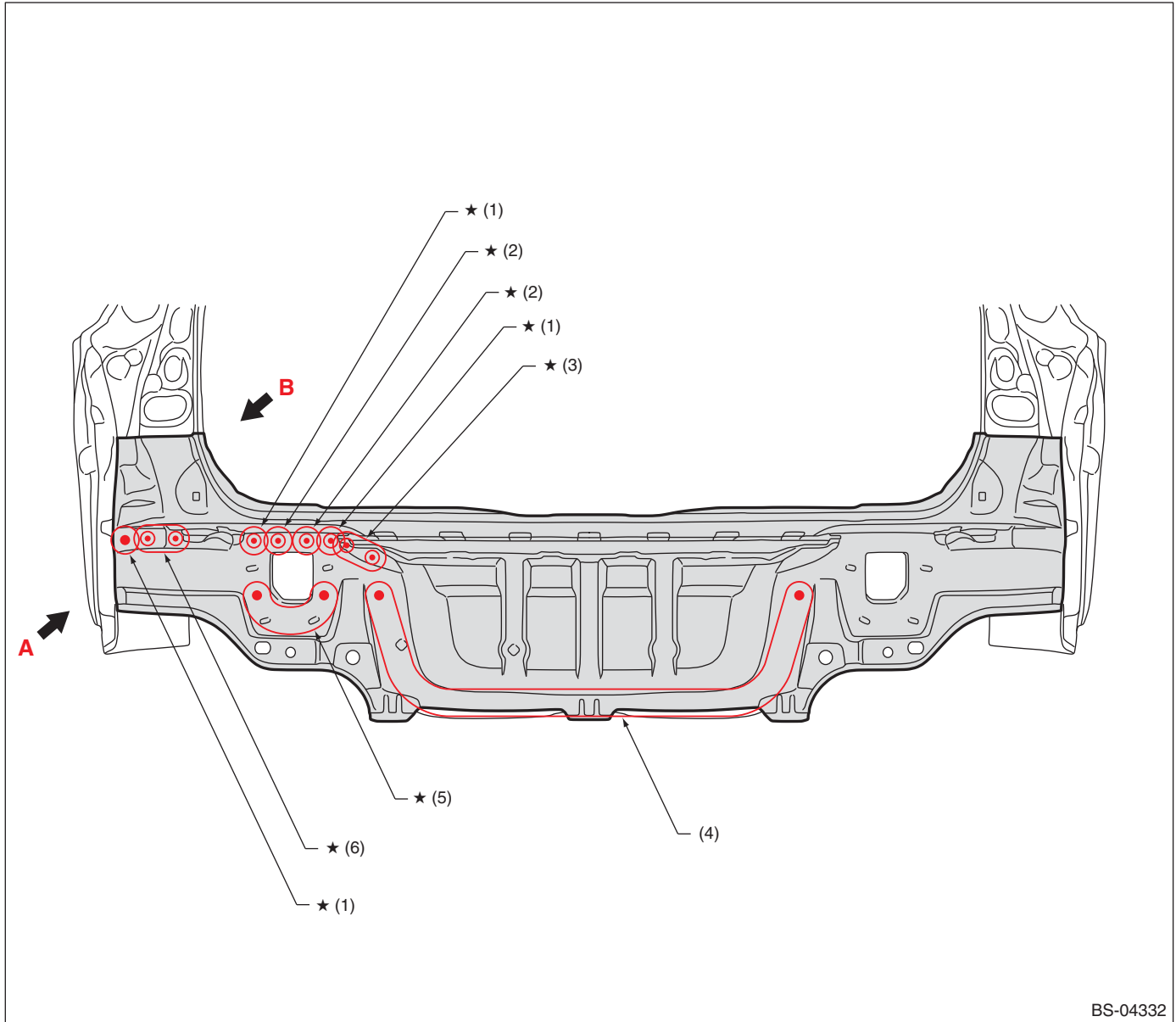
(2) 1 point [215 mm (8.46 in)]

## Panel Replacement

### 11-29. Rear Skirt/OUTBACK (total replacement)

#### A: REMOVAL

- Overall view



(1) 1 point (outside - 1)

(2) 1 point (outside - 2)

(3) 2 points (outside - 2)

(4) 14 points (outside - 1)

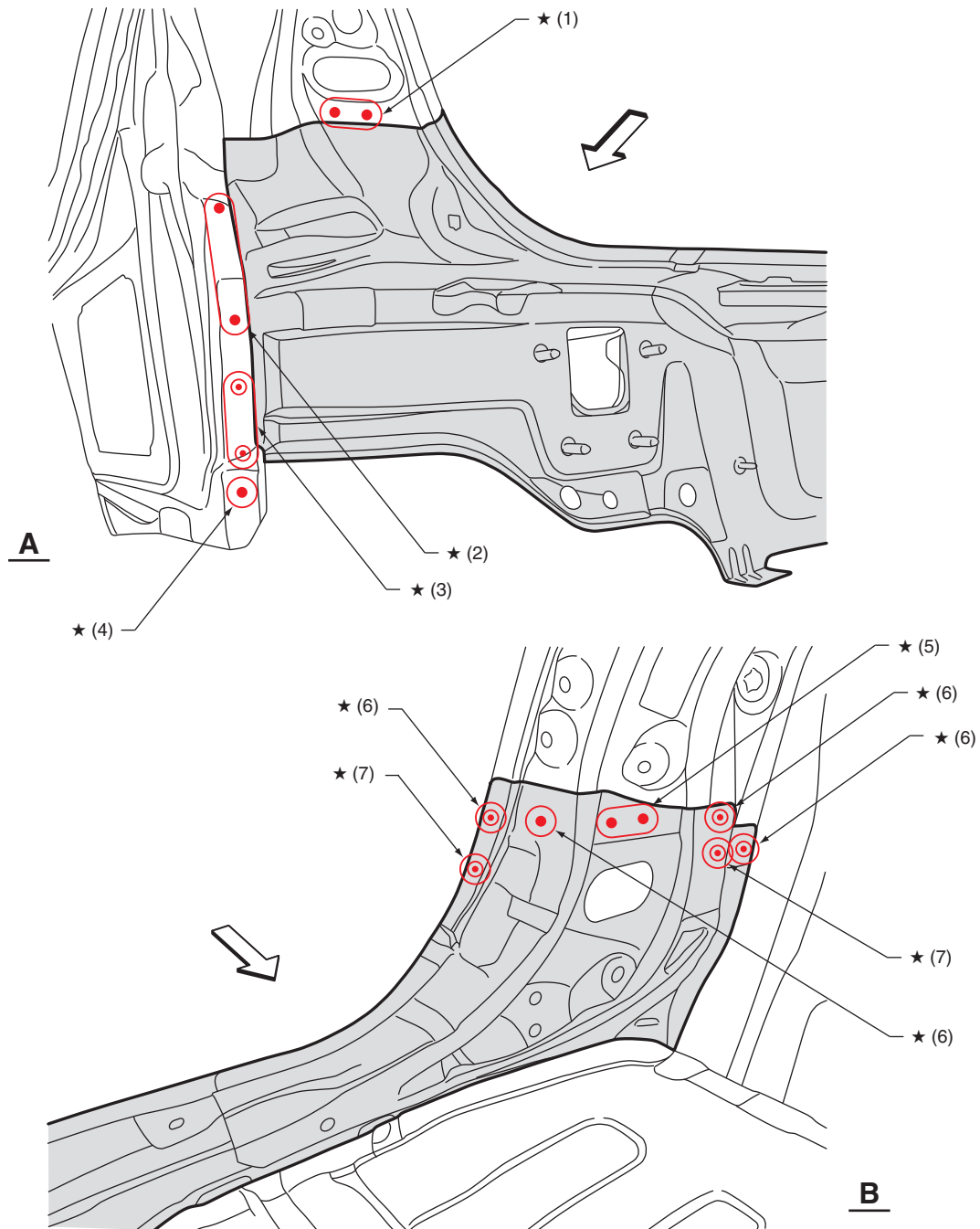
(5) 3 points (outside - 1)

(6) 3 points (outside - 2)

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

## • Views



BS-04333

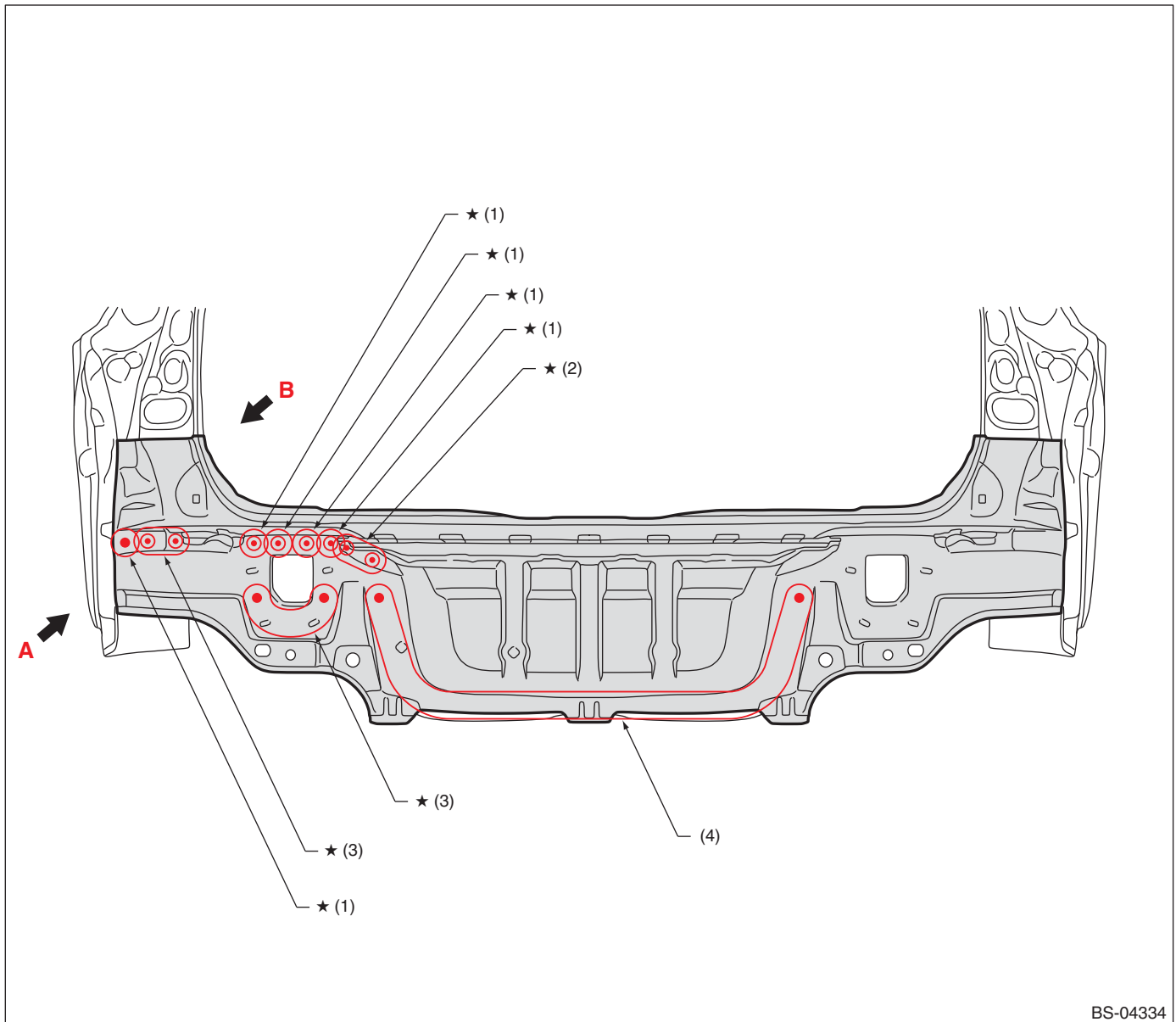
- |                            |                           |                          |
|----------------------------|---------------------------|--------------------------|
| (1) 2 points (outside · 1) | (4) 1 point (outside · 1) | (7) 1 point (inside · 2) |
| (2) 4 points (outside · 1) | (5) 2 points (inside · 1) |                          |
| (3) 3 points (outside · 2) | (6) 1 point (inside · 1)  |                          |

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

## B: INSTALLATION

### • Overall view



- (1) 1 point
- (2) 2 points

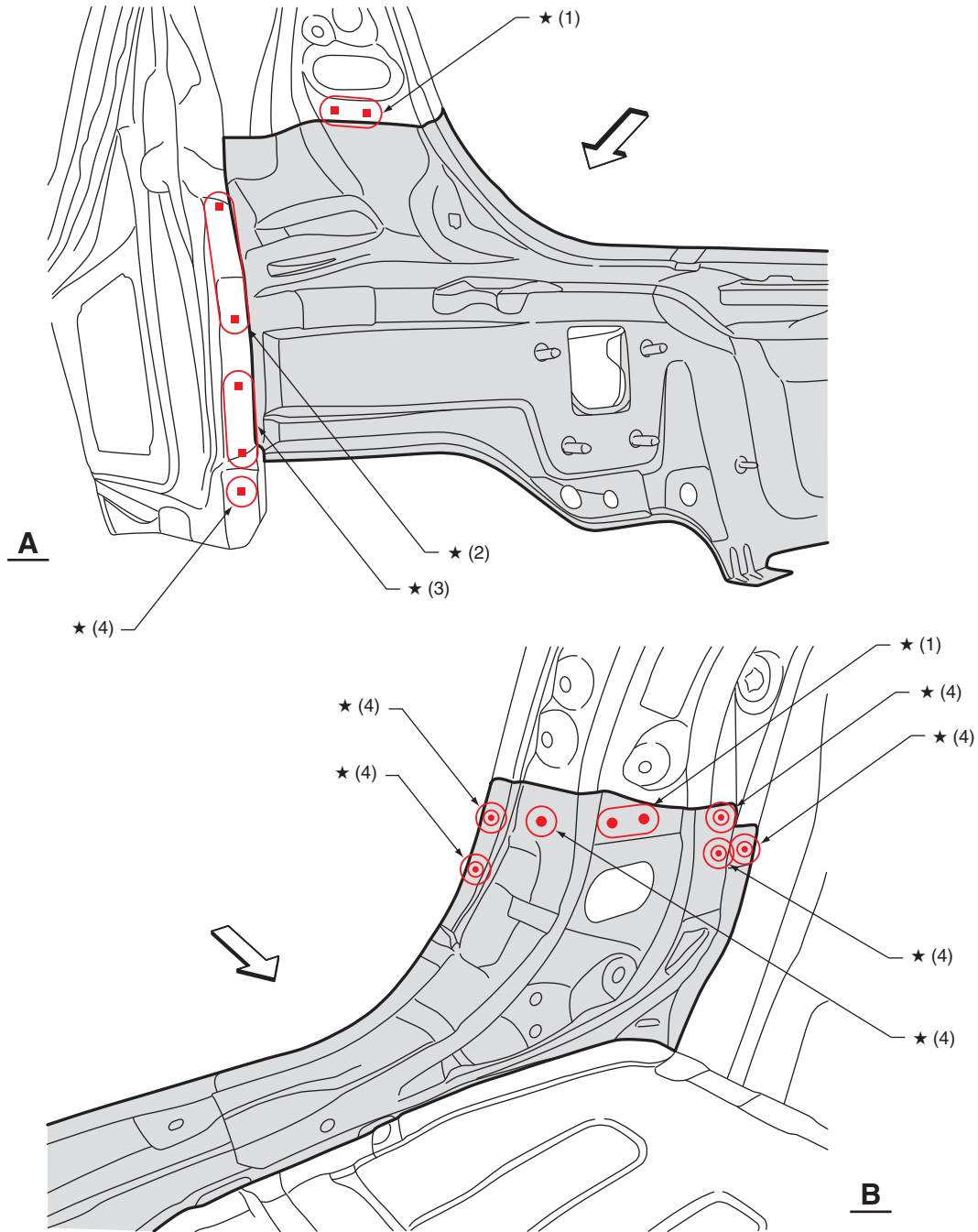
- (3) 3 points

- (4) 18 points

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

## • Views



BS-04335

- (1) 2 points
- (2) 3 points

- (3) 3 points (service)

- (4) 1 point

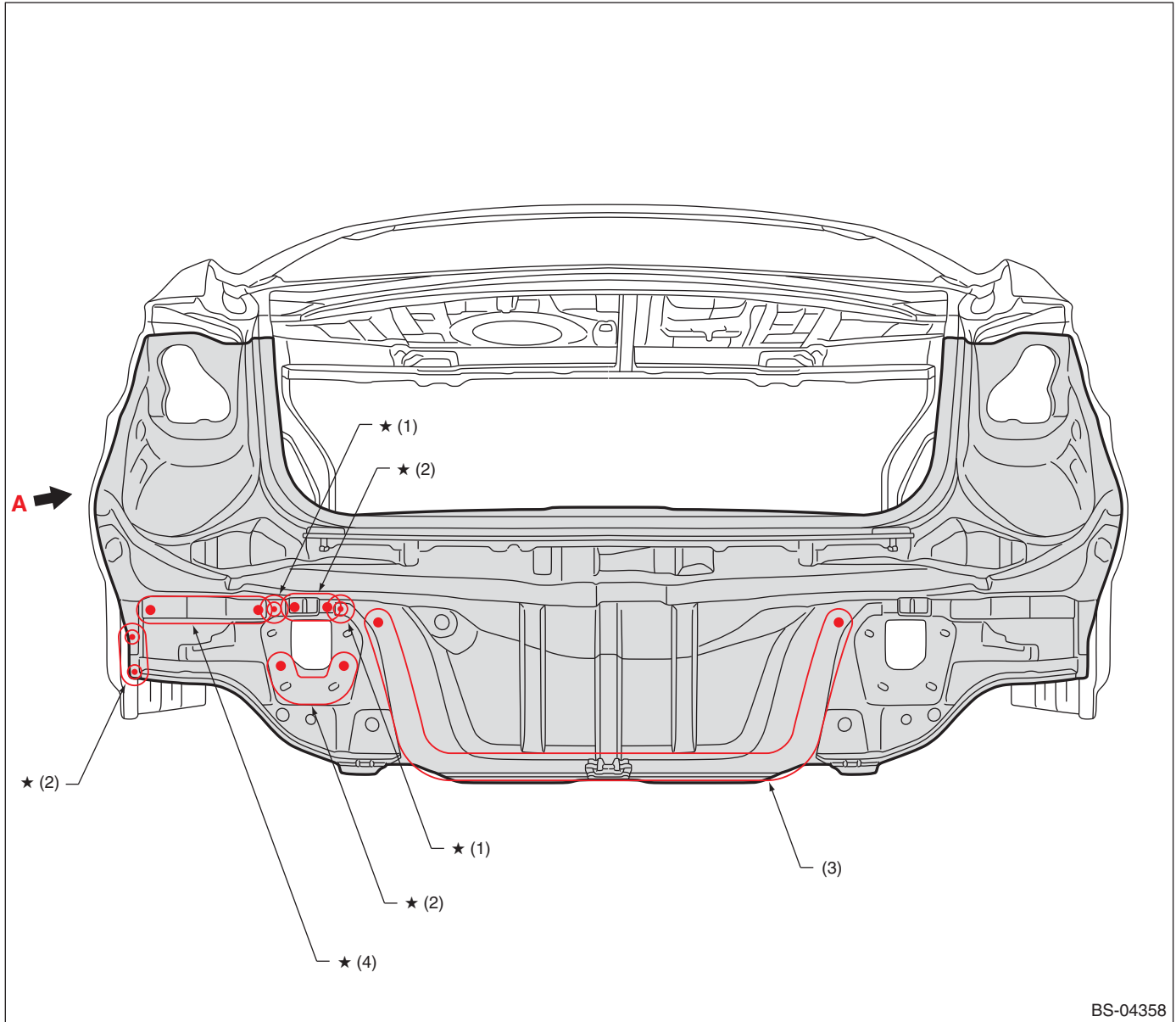
For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

## Panel Replacement

### 11-30. Rear Skirt/Sedan (total replacement)

#### A: REMOVAL

- Overall view



(1) 1 point (outside · 1)  
(2) 3 points (outside · 1)

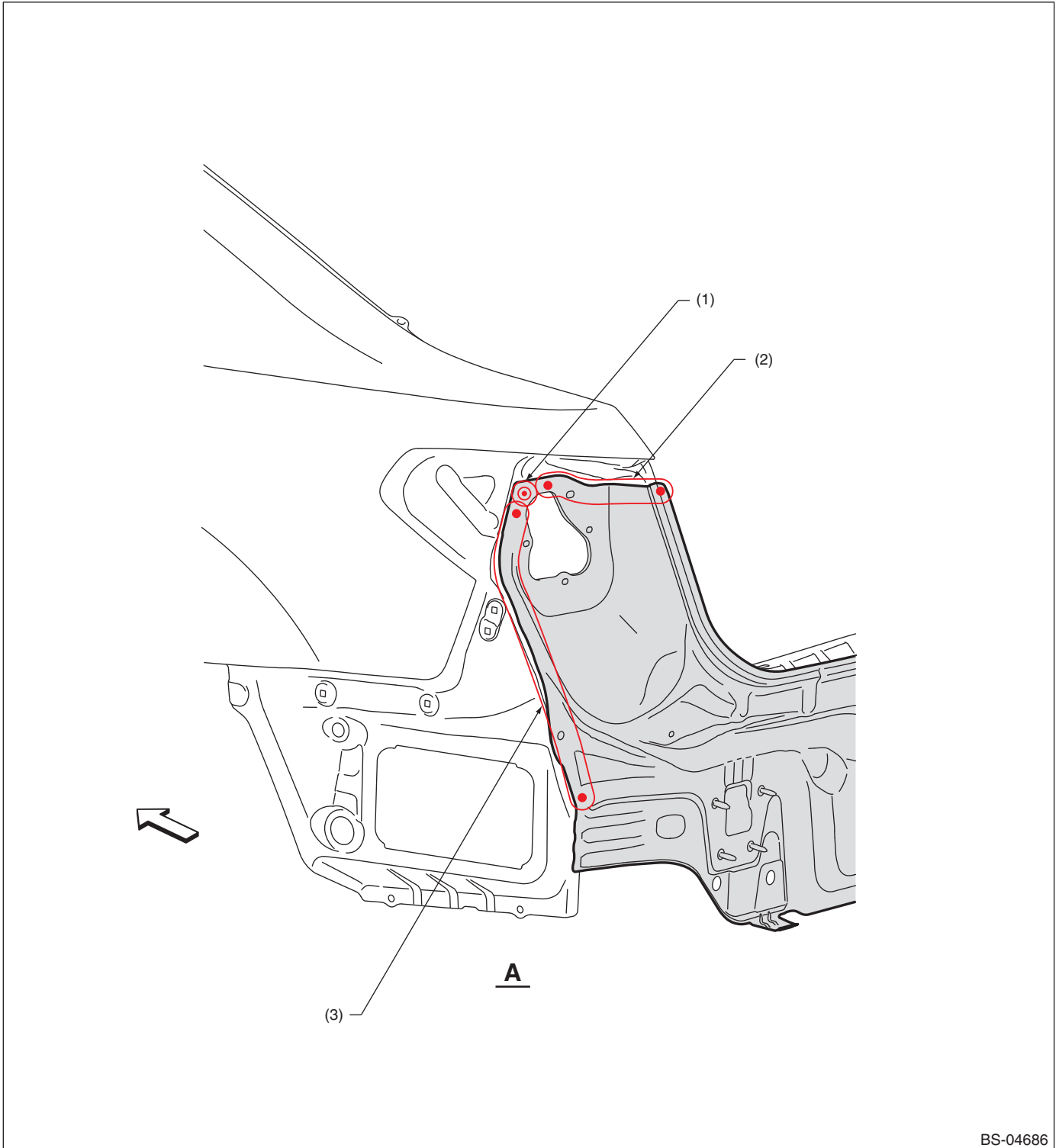
(3) 16 points (outside · 1)

(4) 4 points (outside · 1)

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

- Views



BS-04686

(1) 1 point (outside · 1)

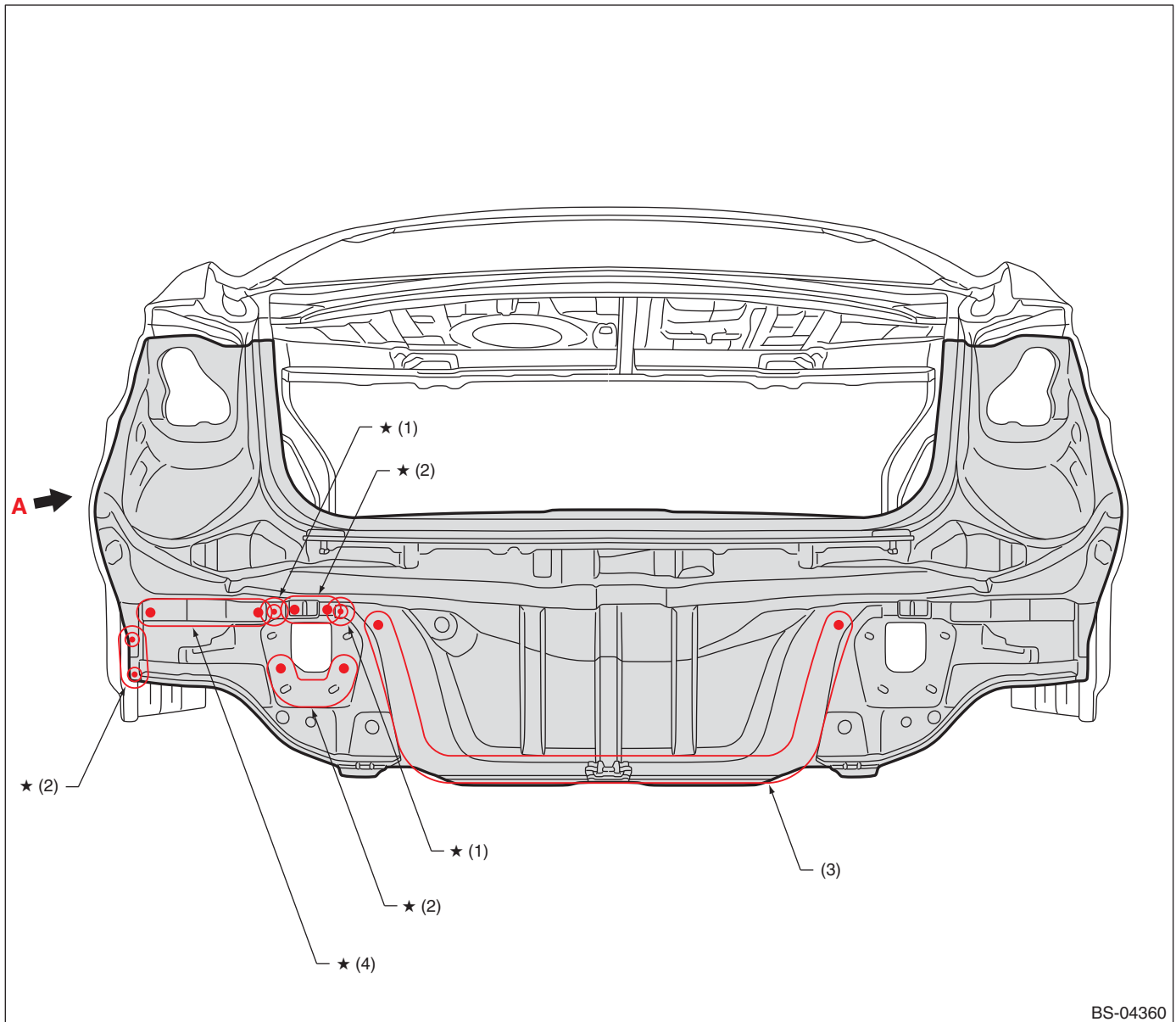
(2) 8 points (outside · 1)

(3) 9 points (outside · 1)

# Panel Replacement

## B: INSTALLATION

### • Overall view



(1) 1 point  
(2) 3 points

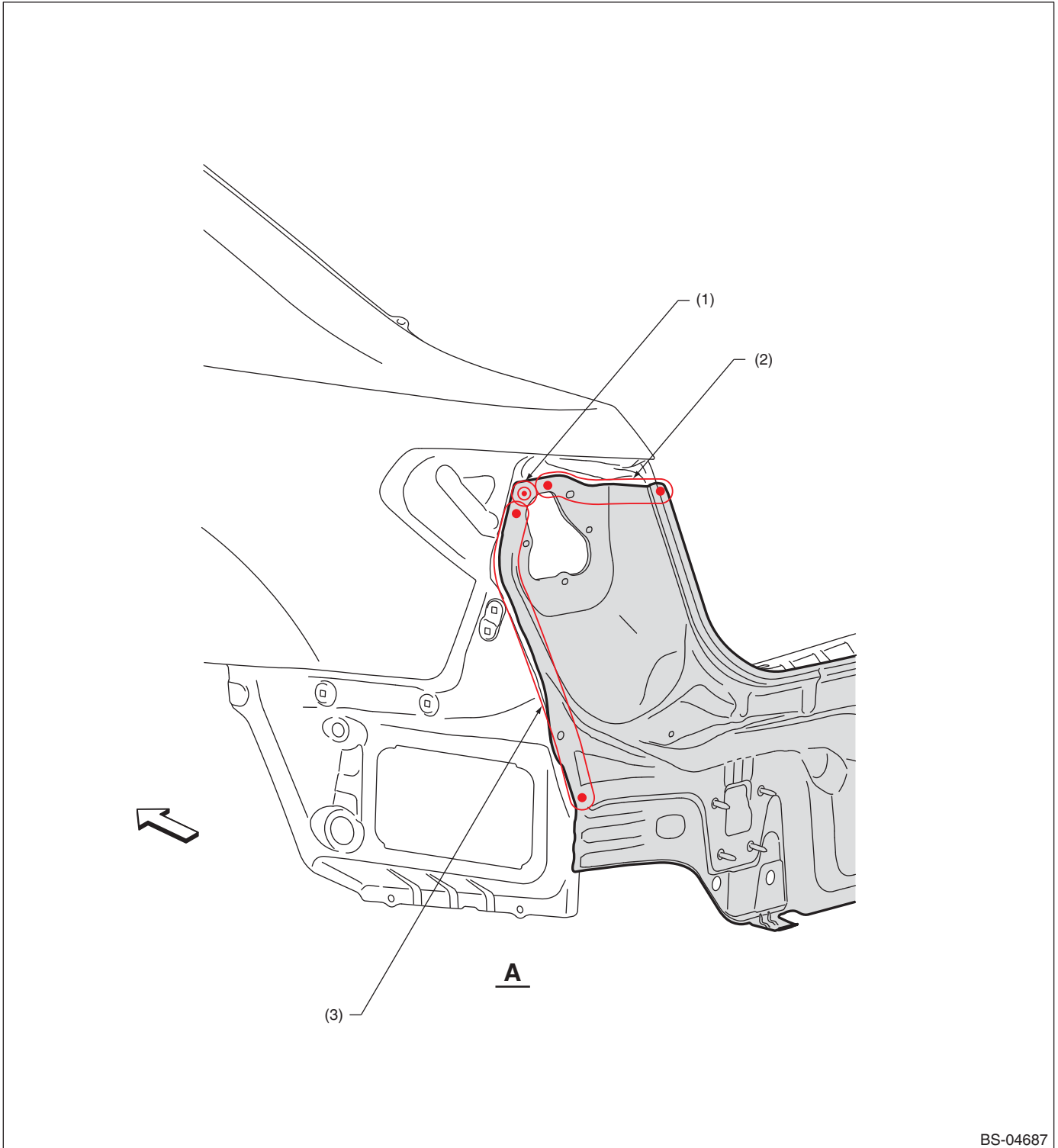
(3) 20 points

(4) 5 points

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

- Views



BS-04687

(1) 1 point

(2) 8 points

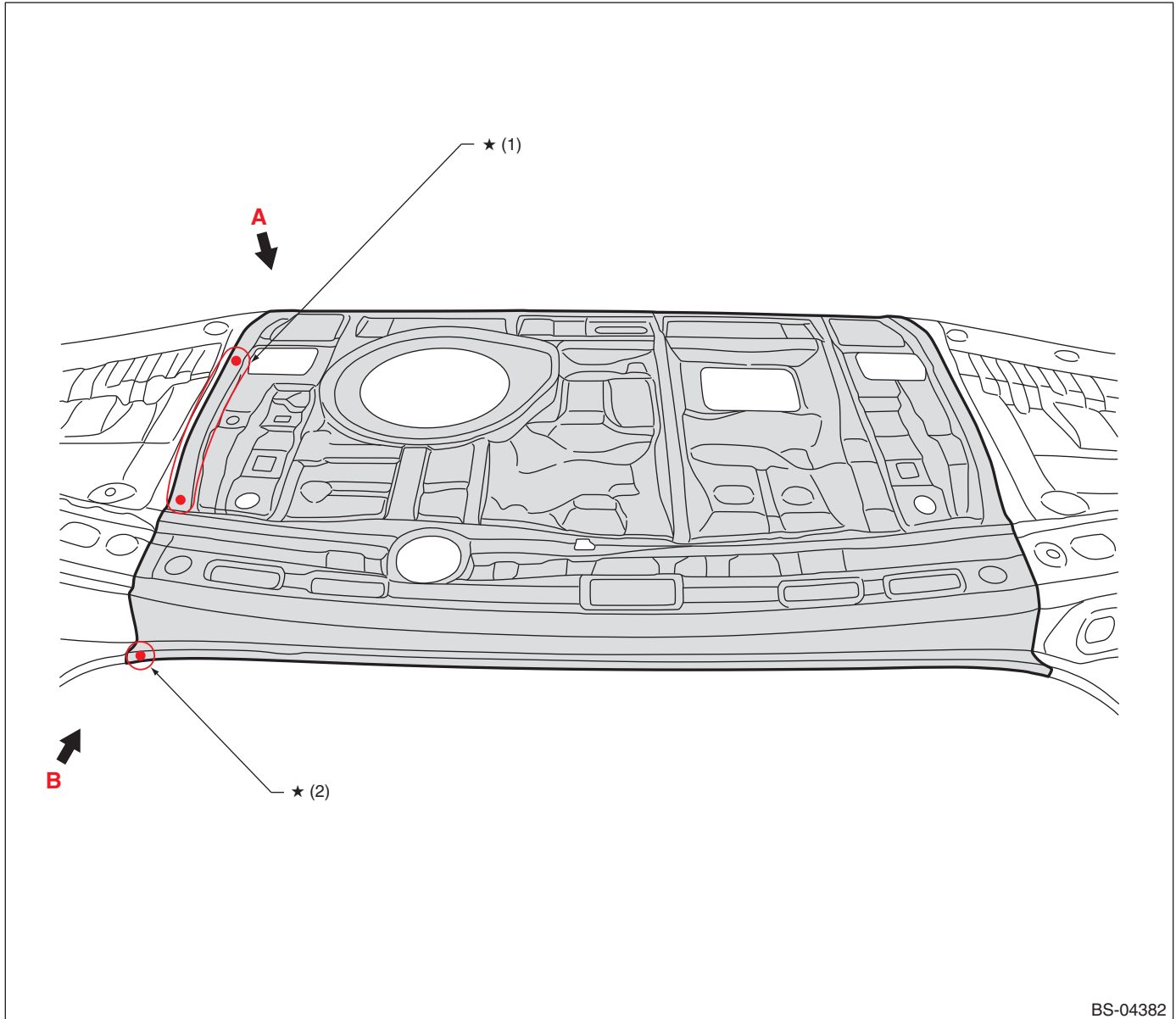
(3) 11 points

## Panel Replacement

### 11-31. Rear Panel/Sedan (total replacement)

#### A: REMOVAL

- Overall view



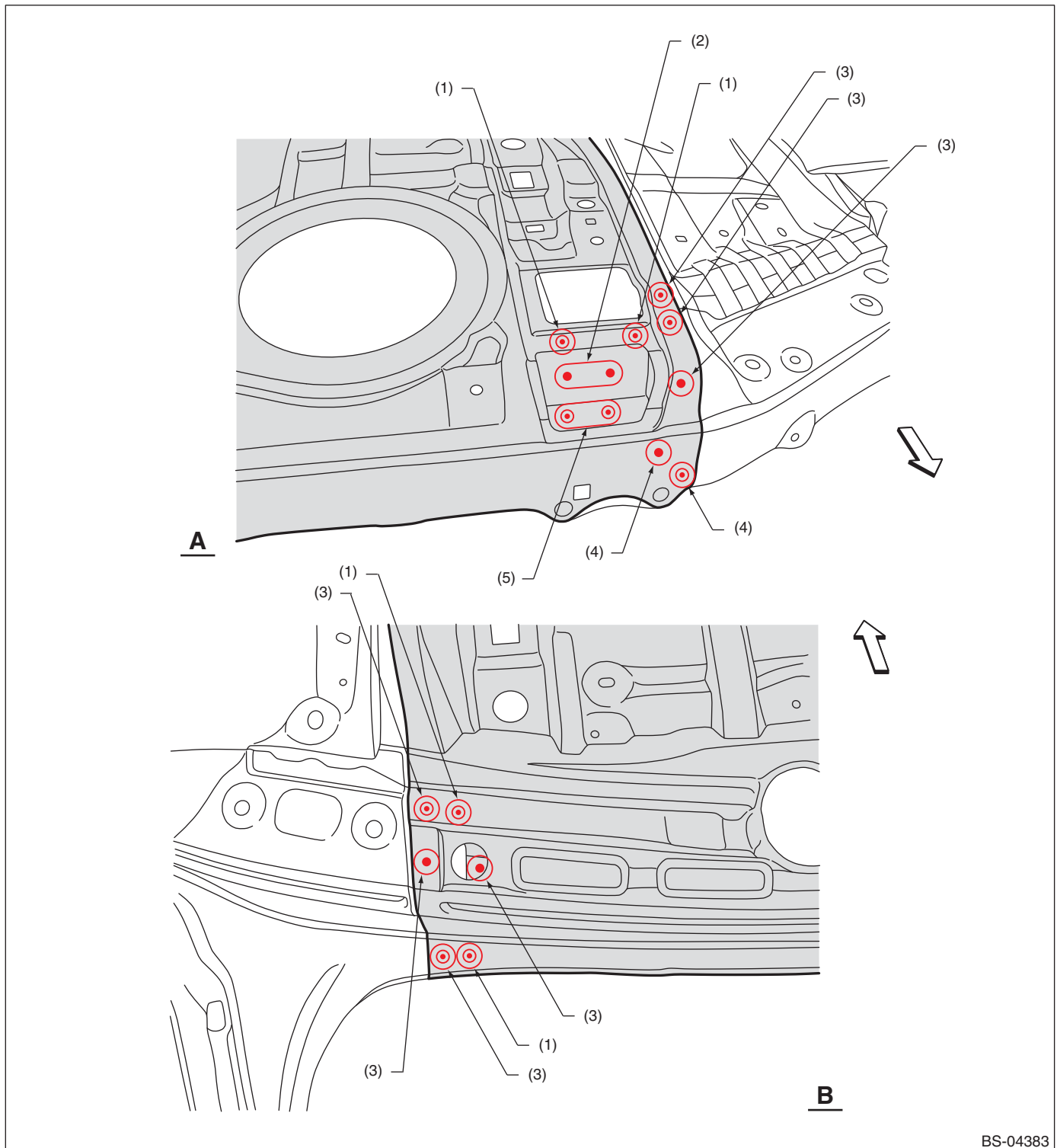
(1) 6 points (top · 1)

(2) 1 point (outside · 1)

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

## • Views



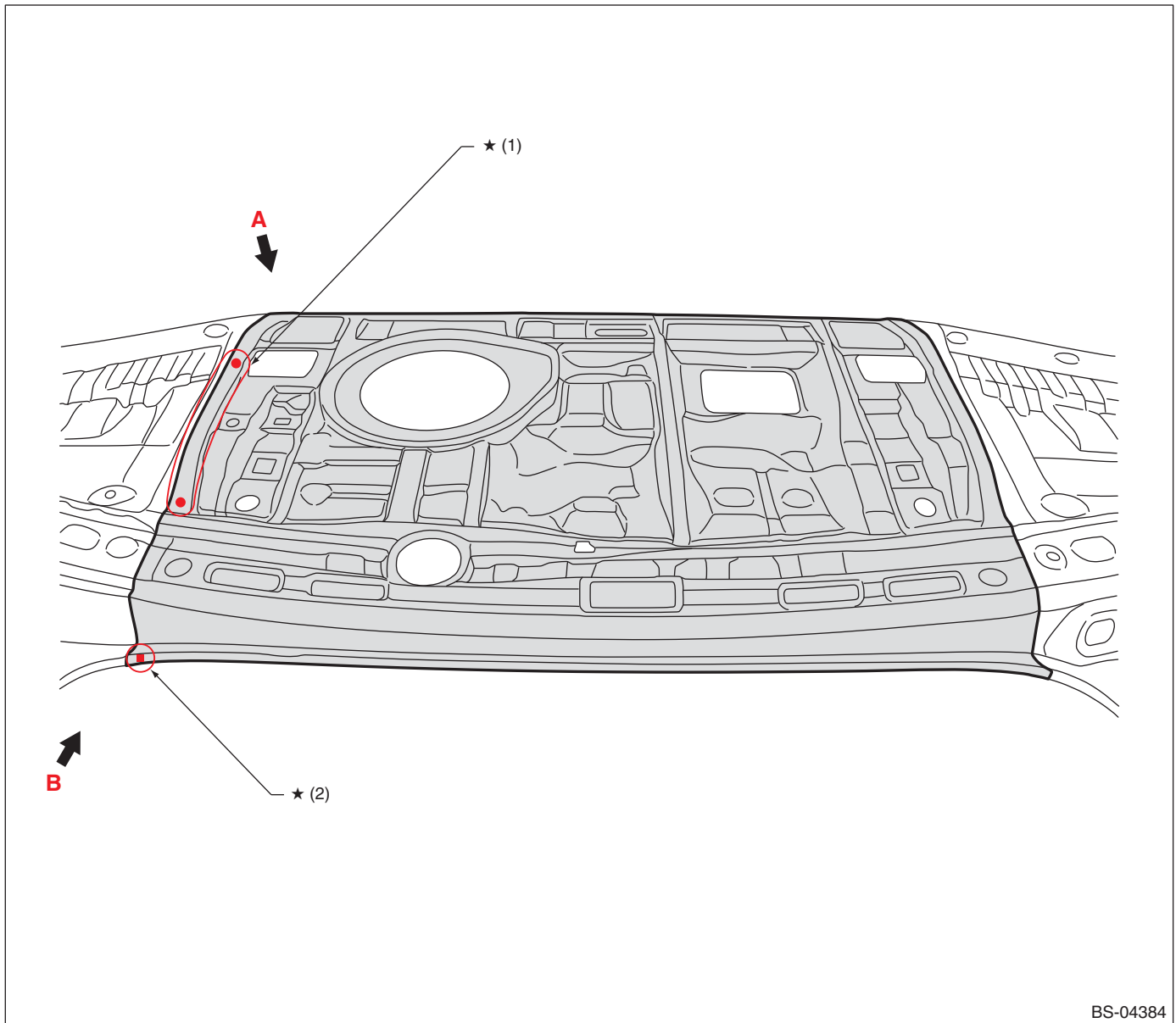
BS-04383

- |                                        |                          |                        |
|----------------------------------------|--------------------------|------------------------|
| (1) 1 point (top · 2)                  | (3) 1 point (top · 1)    | (5) 2 points (top · 1) |
| (2) 2 points (inside · 1, belt sander) | (4) 1 point (inside · 1) |                        |

# Panel Replacement

## B: INSTALLATION

- Overall view



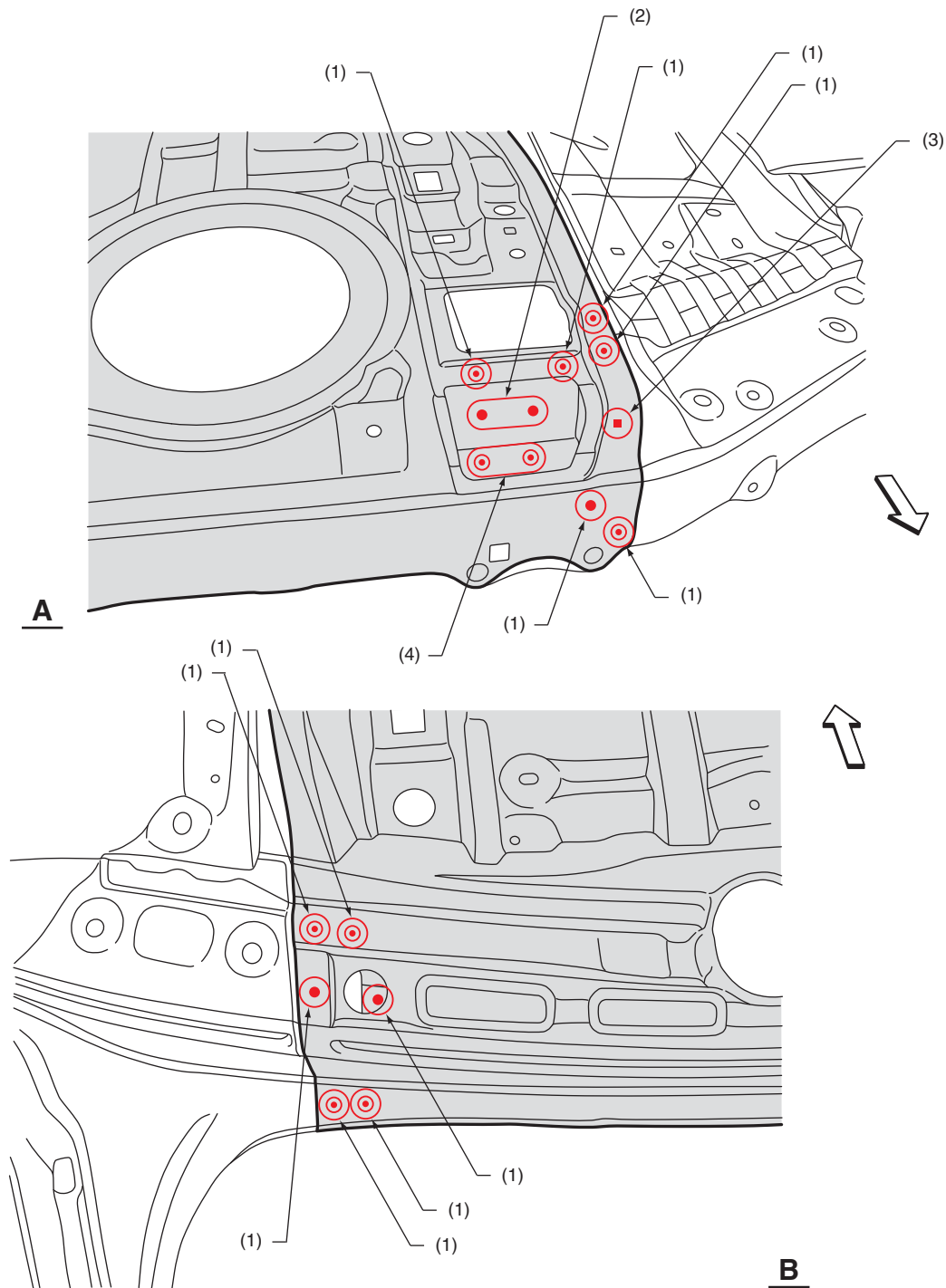
(1) 7 points

(2) 1 point

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

## • Views



BS-04385

- (1) 1 point
- (2) 2 points

- (3) 1 point (service)

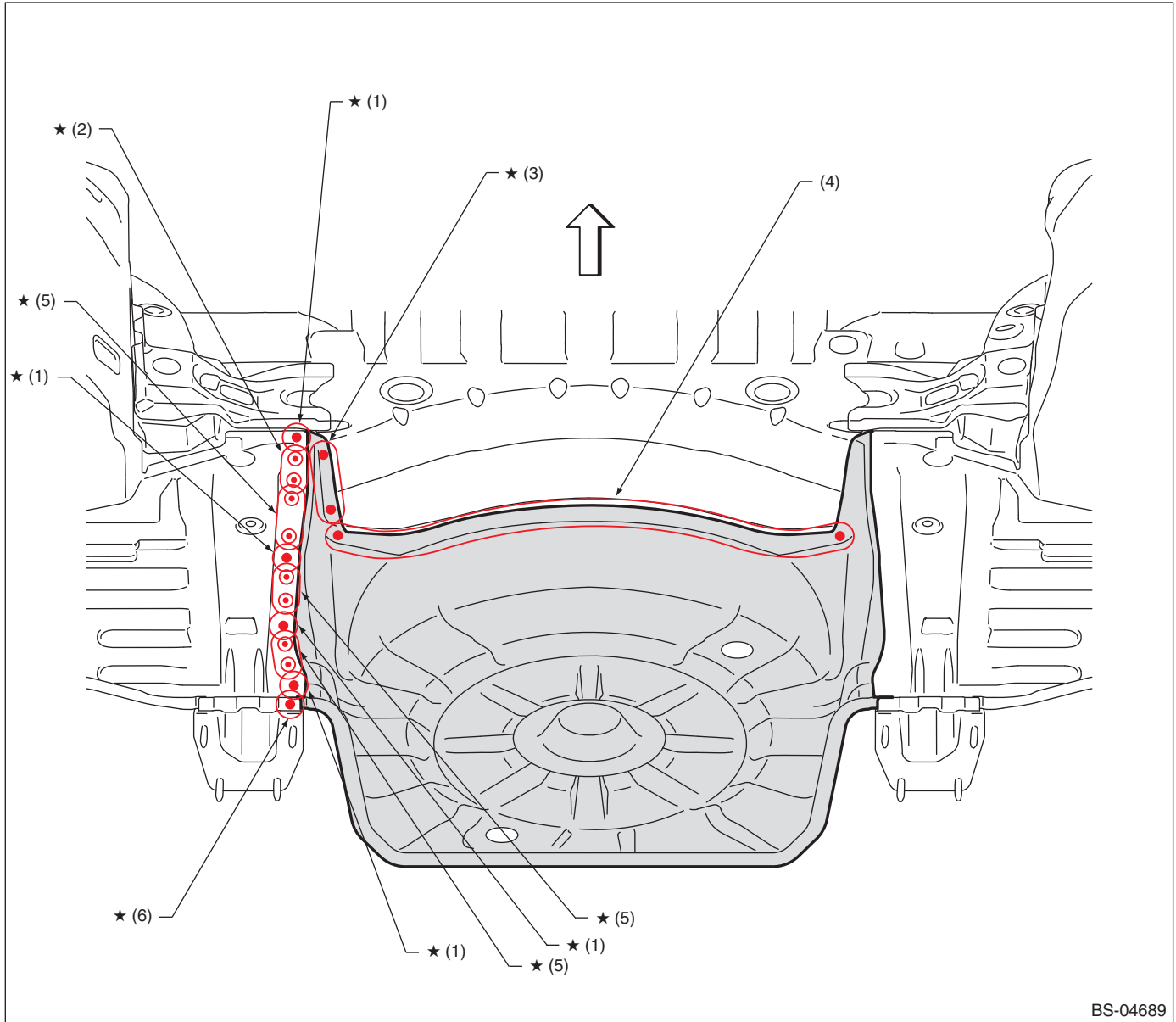
- (4) 2 points

## Panel Replacement

### 11-32. Rear Floor Pan (total replacement)

#### A: REMOVAL

- Rear skirt removal condition



- (1) 1 point (top · 1)  
(2) 2 points (top · 2)

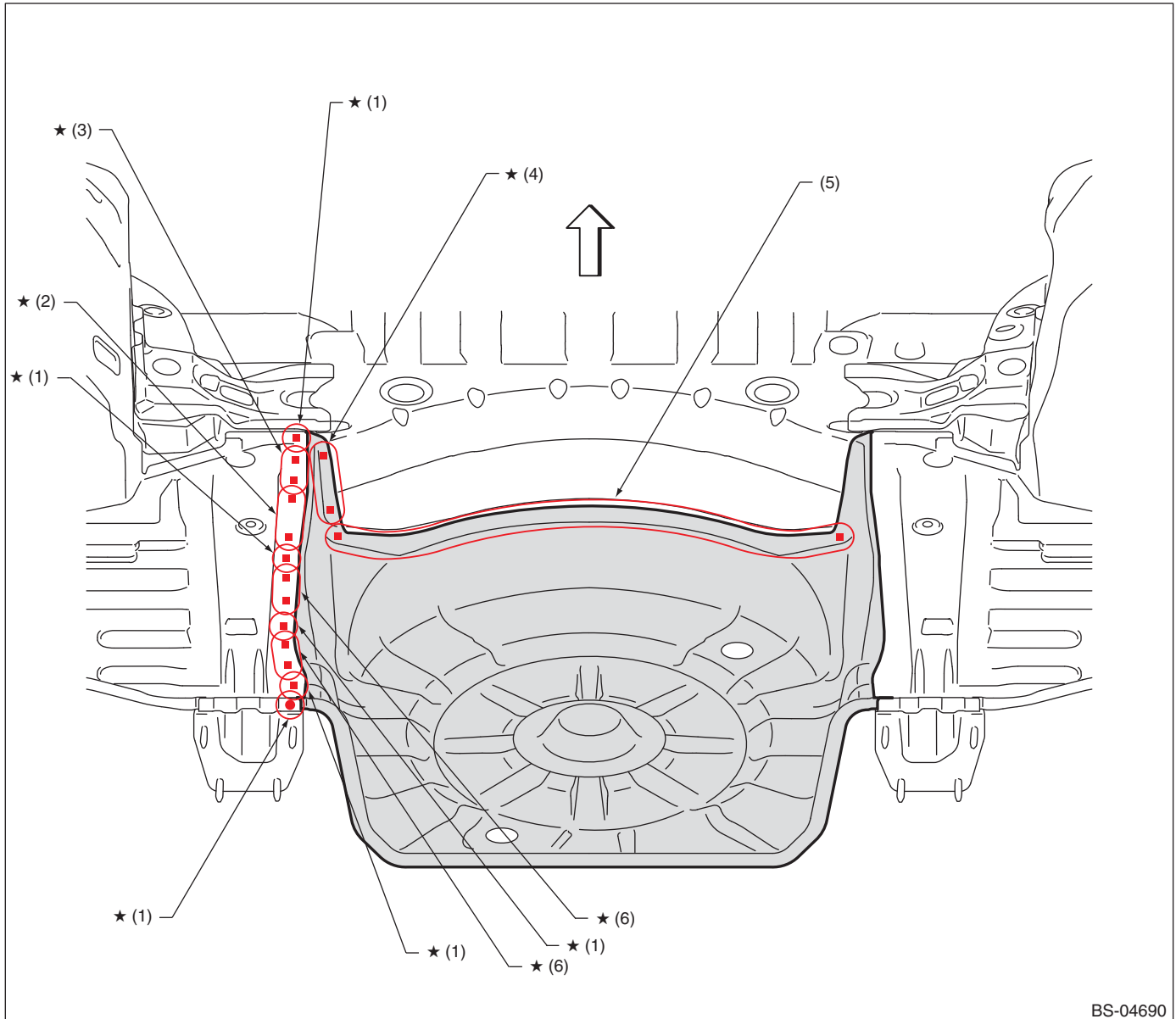
- (3) 3 points (outside · 1)  
(4) 16 points (top · 1)

- (5) 3 points (top · 2)  
(6) 1 point (inside · 1)

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

## B: INSTALLATION



BS-04690

- |                                   |                                   |                                   |
|-----------------------------------|-----------------------------------|-----------------------------------|
| (1) 1 point                       | (3) 2 points (service · matching) | (5) 16 points (service)           |
| (2) 4 points (service · matching) | (4) 3 points (service)            | (6) 3 points (service · matching) |

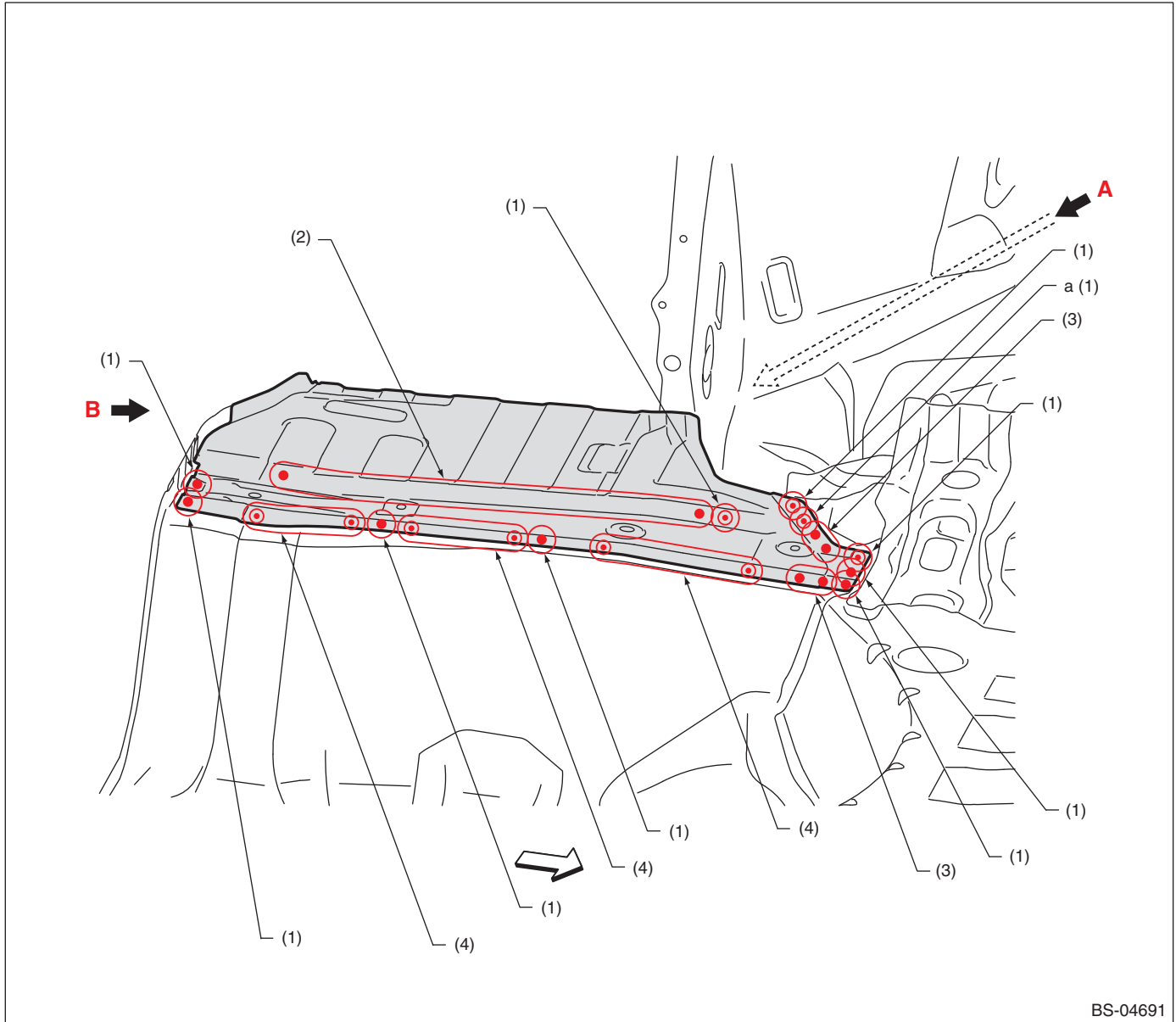
For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

## Panel Replacement

### 11-33. Rear Floor Side (total replacement)

#### A: REMOVAL

- Overall view (rear skirt and rear quarter removal condition)



(1) 1 point (top · 1)  
(2) 9 points (top · 1)

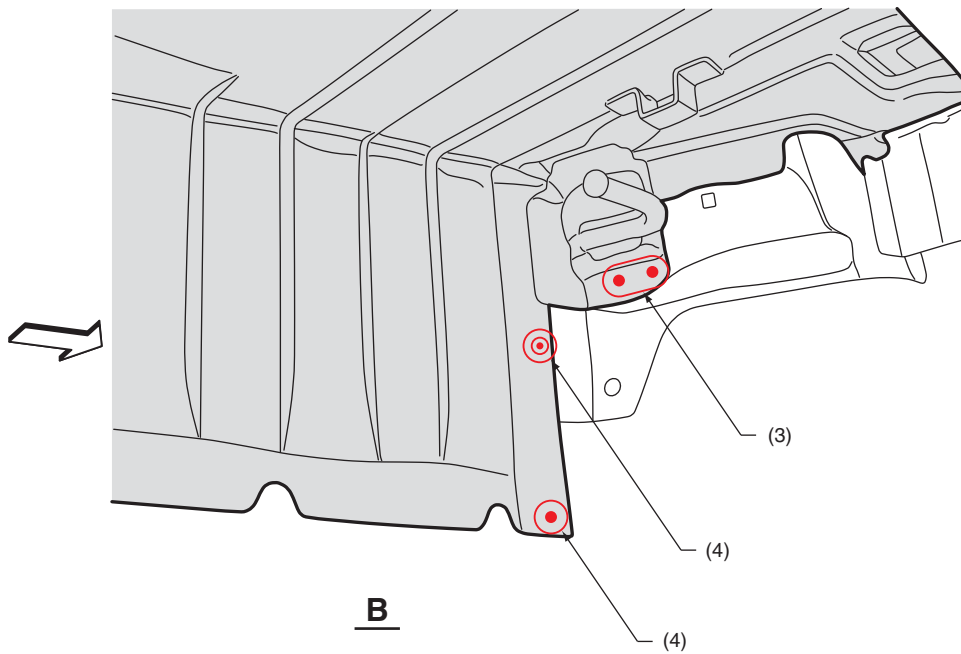
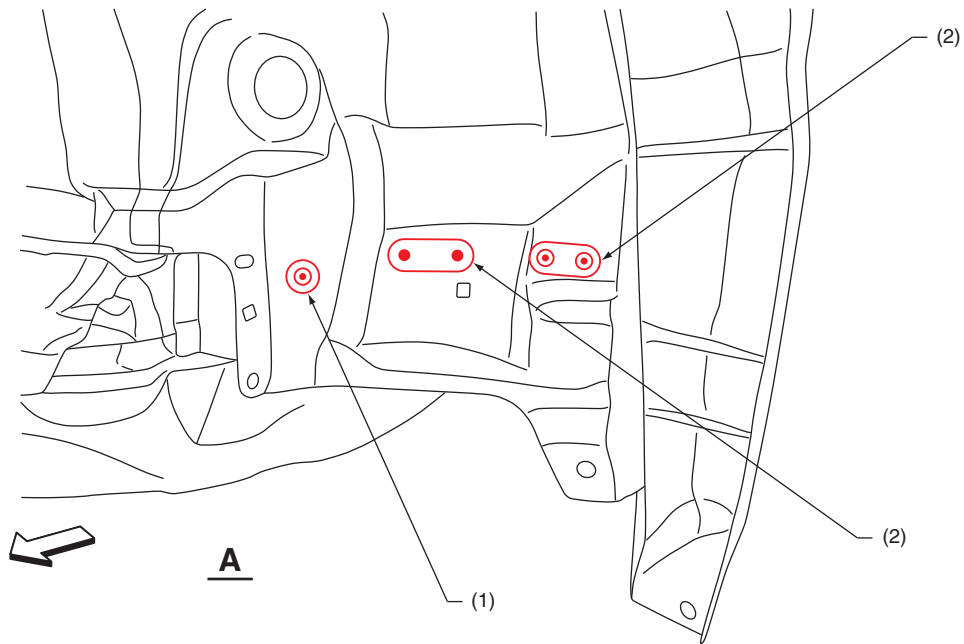
(3) 2 points (top · 1)

(4) 3 points (top · 1)

For part "a", LH only

# Panel Replacement

## • Views



BS-04339

(1) 1 point (outside · 2)  
(2) 2 points (outside · 1)

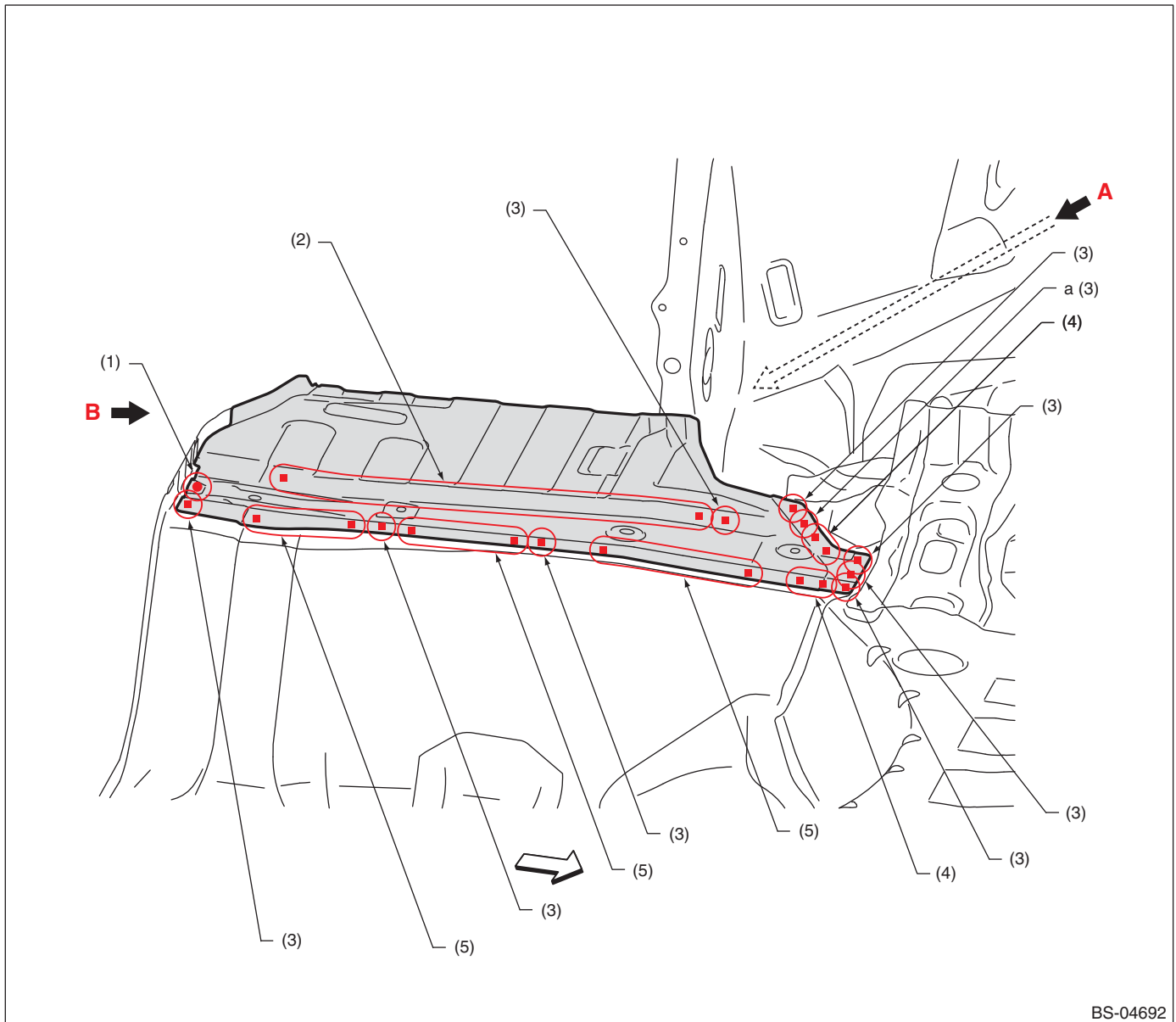
(3) 2 points (inside · 1)

(4) 1 point (inside · 1)

# Panel Replacement

## B: INSTALLATION

### • Overall view



- (1) 1 point
- (2) 9 points (service)

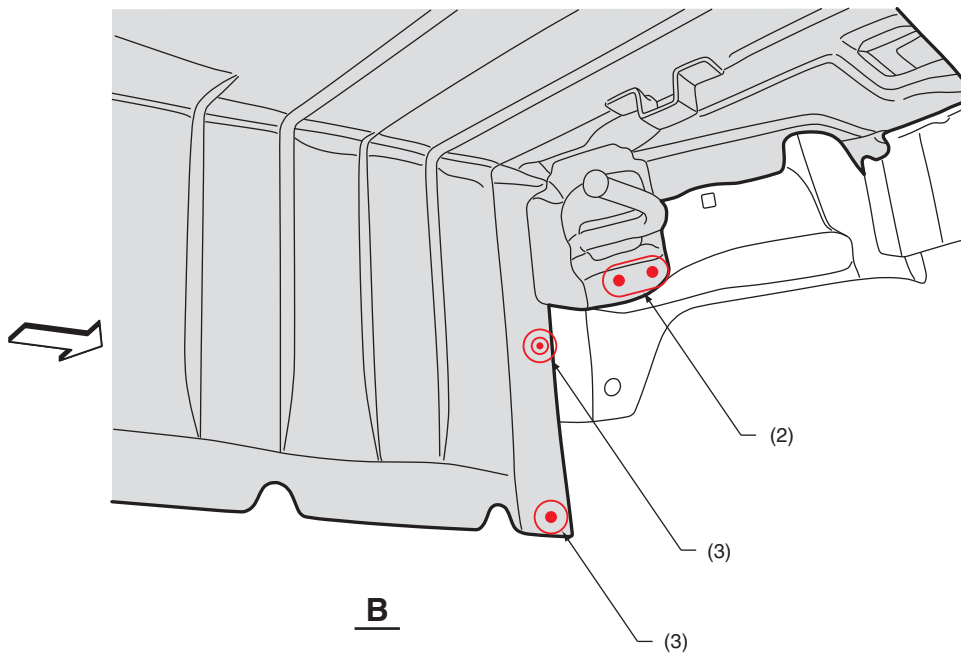
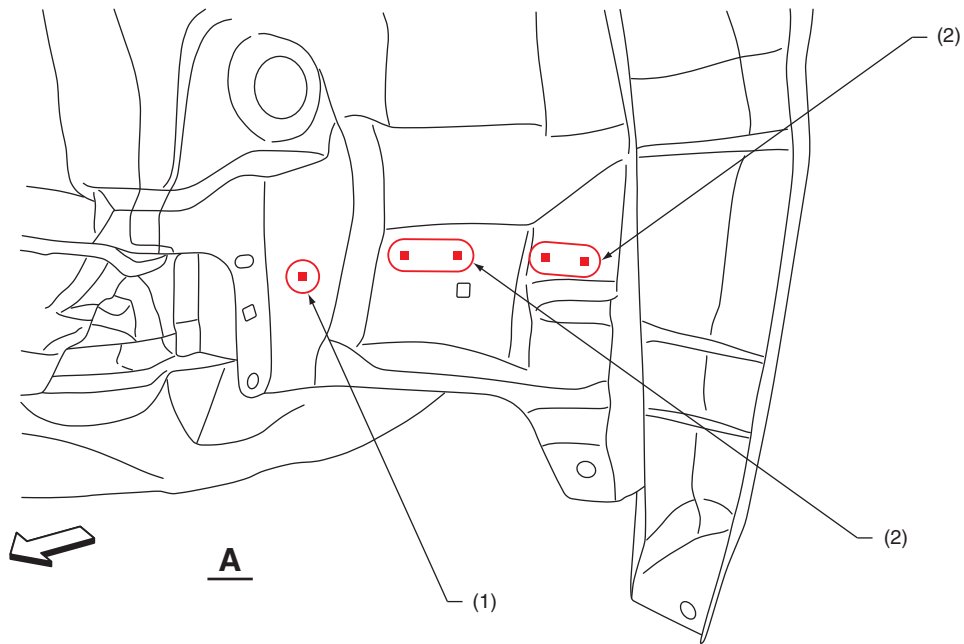
- (3) 1 point (service)
- (4) 2 points (service)

- (5) 3 points (service)

For part “a”, LH only

# Panel Replacement

## • Views



BS-04341

(1) 1 point (service · matching)

(2) 2 points

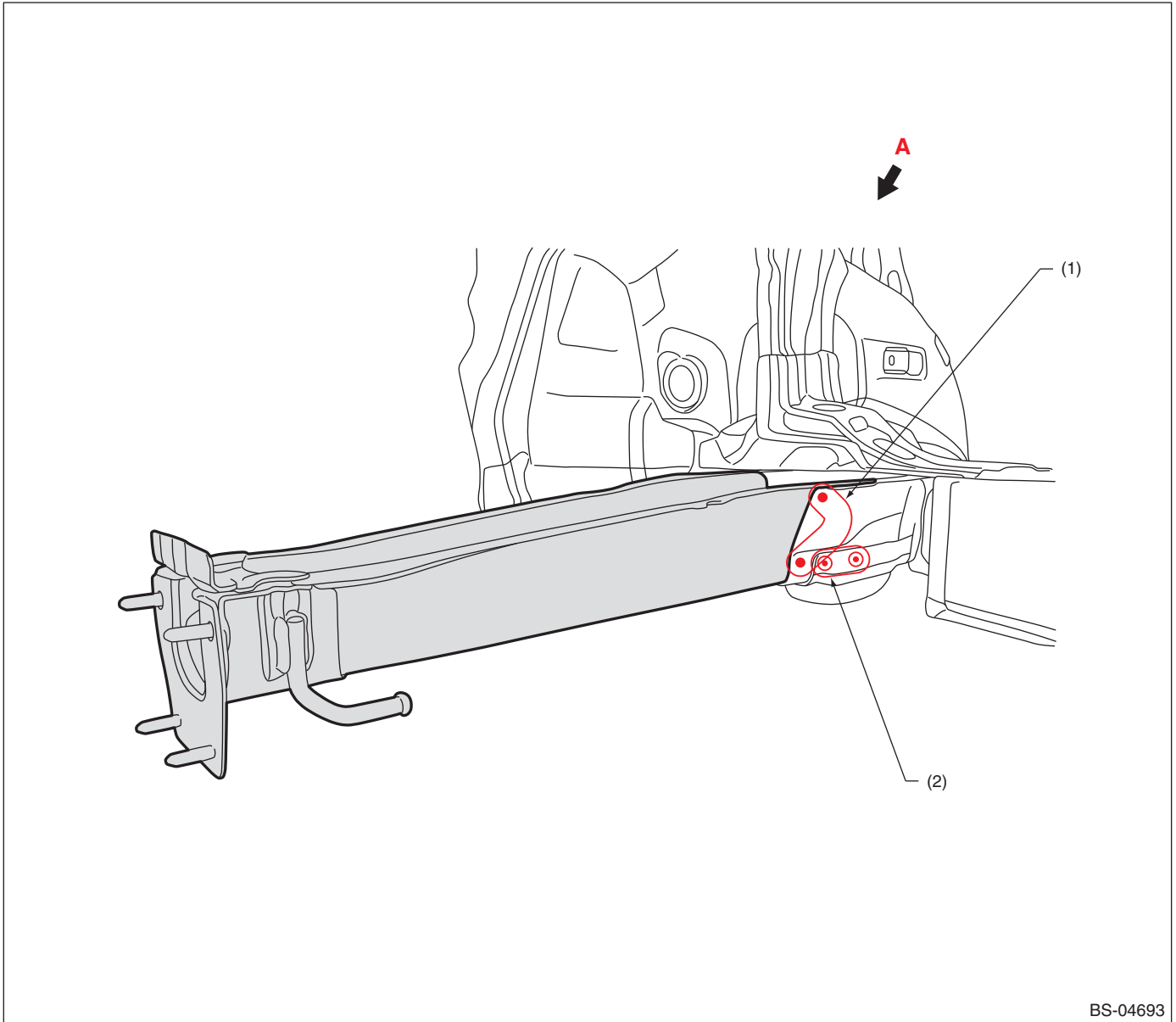
(3) 1 point

## Panel Replacement

### 11-34. Floor Side Frame Rear (total replacement)

#### A: REMOVAL

- Overall view (rear skirt, rear floor side, rear floor pan removal condition)



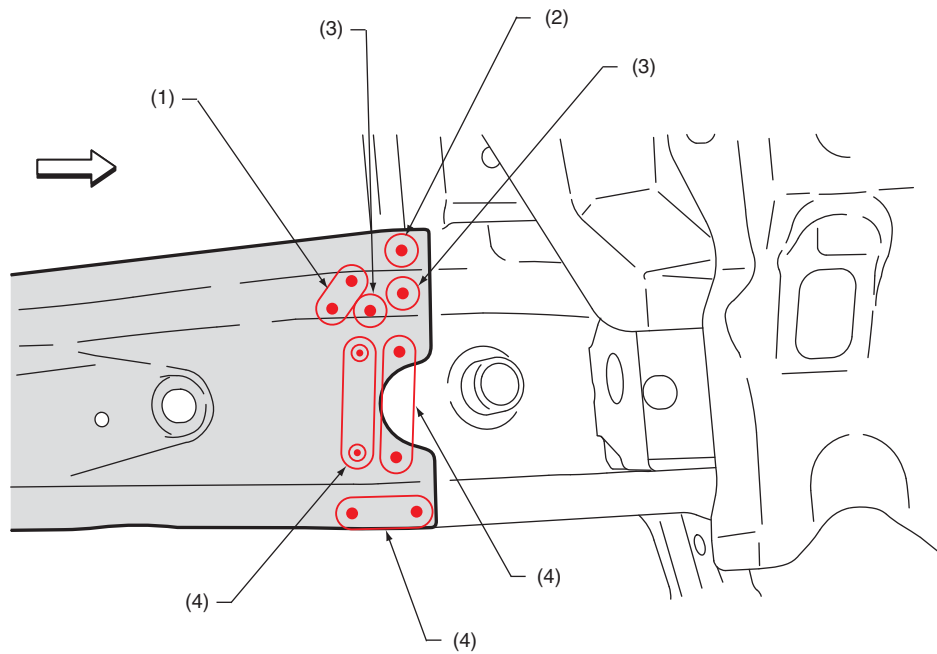
BS-04693

(1) 3 points (inside · 1)

(2) 2 point (inside · 2)

# Panel Replacement

- Views



**A**

BS-04608

(1) 2 points (inside · 1, belt sander)  
(2) 1 point (top · 1)

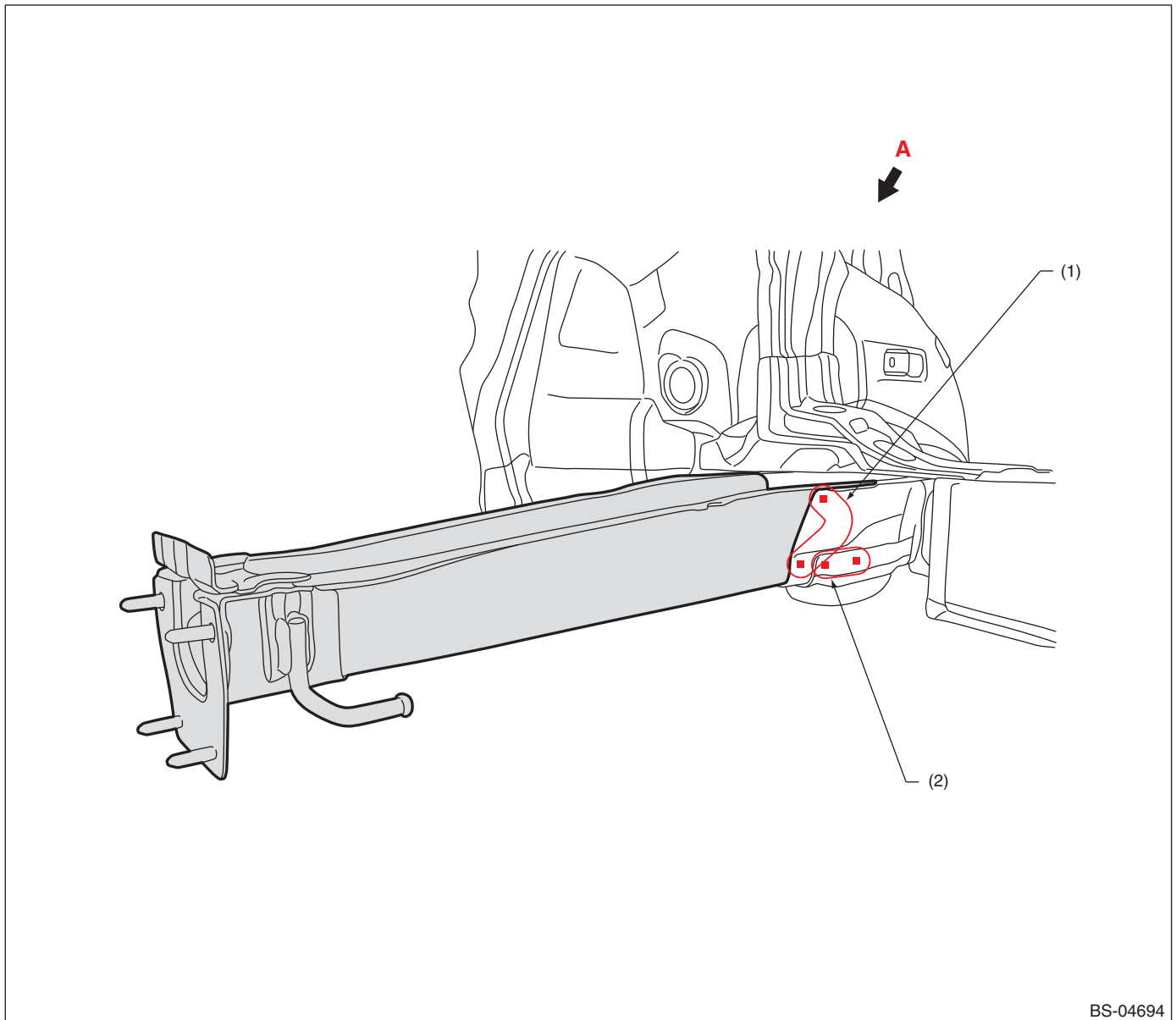
(3) 1 point (inside · 1, belt sander)

(4) 2 points (top · 1)

# Panel Replacement

## B: INSTALLATION

- Overall view



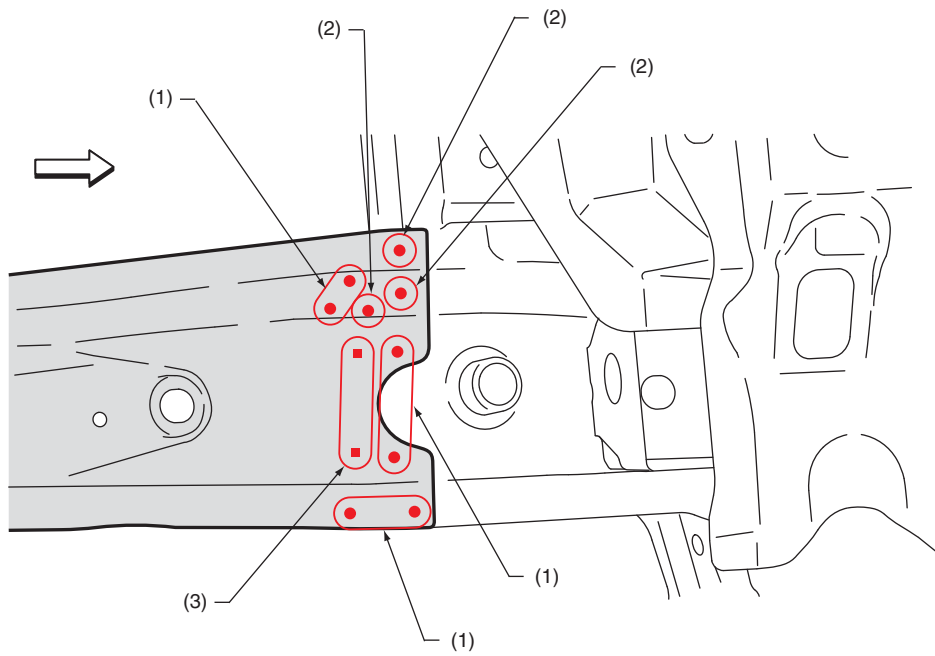
BS-04694

(1) 3 points

(2) 2 points

# Panel Replacement

- Views



BS-04609

(1) 2 points

(2) 1 point

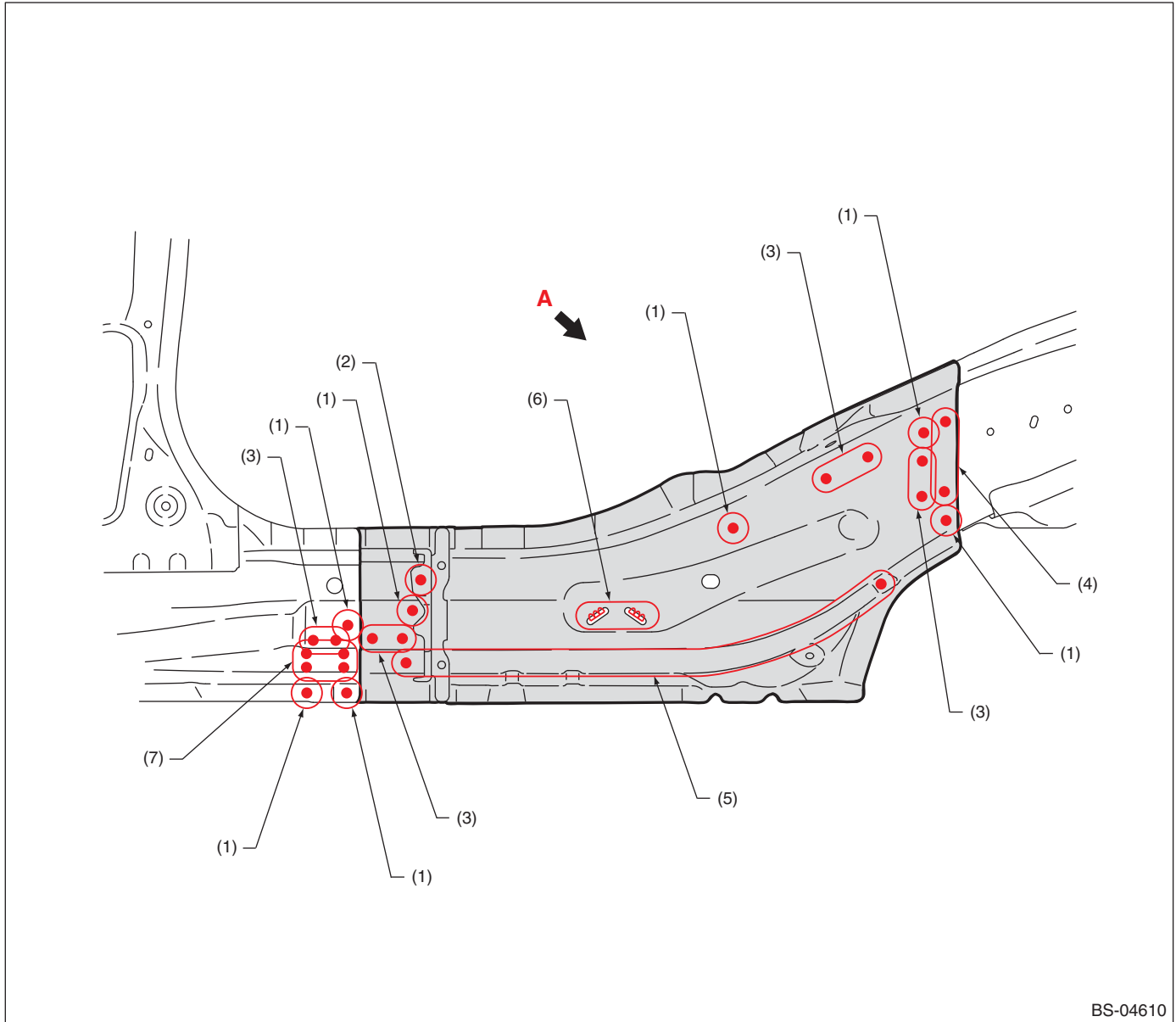
(3) 2 points (service)

## Panel Replacement

### 11-35. Side Sill Inner Rear (total replacement)

#### A: REMOVAL

- Overall view (rear quarter outer & inner, side sill reinforcement removal condition)



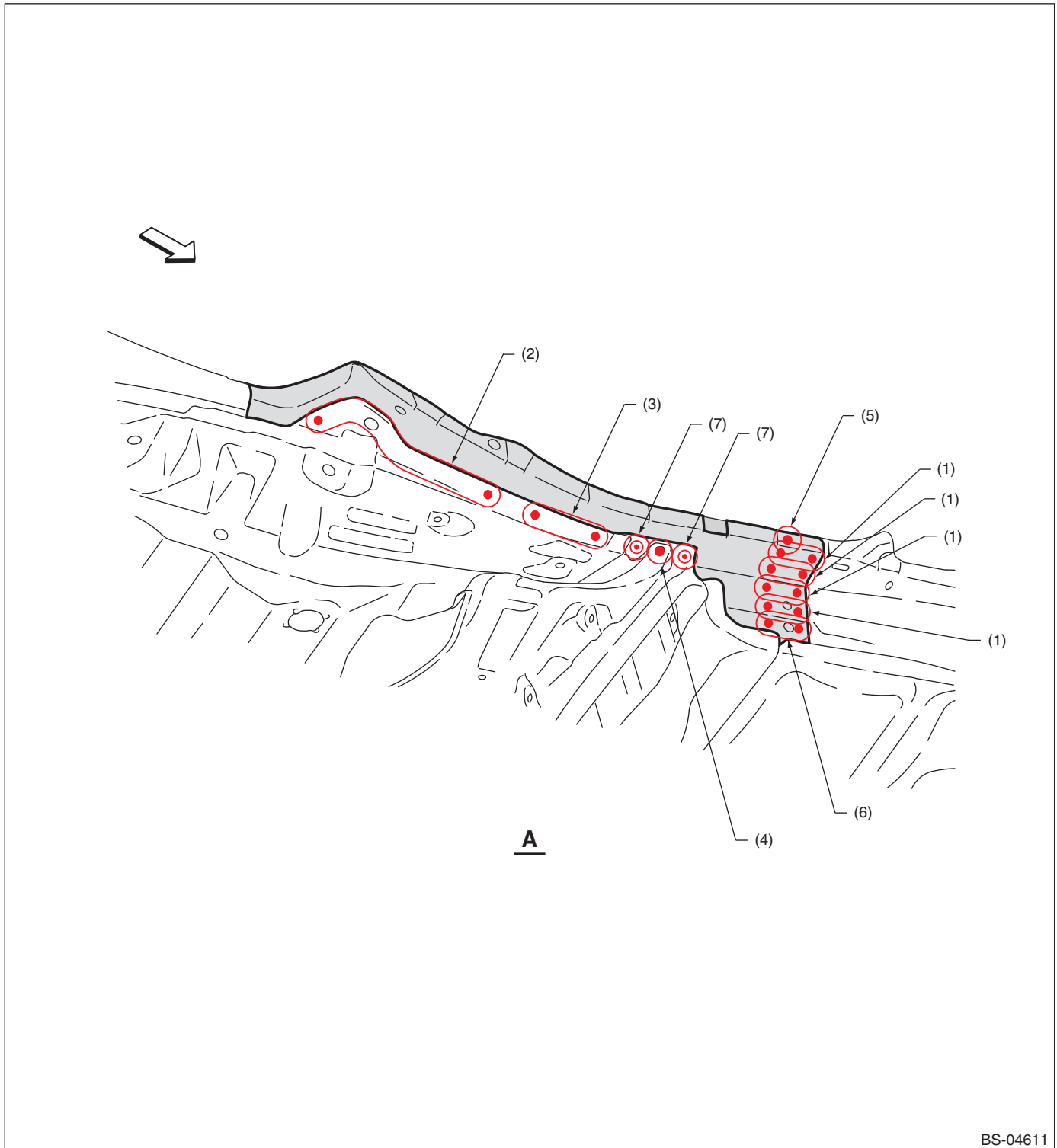
- (1) 1 point (outside · 1)  
(2) 1 point (outside · 2)  
(3) 2 points (outside · 1)

- (4) 3 points (outside · 1)  
(5) 13 points (outside · 1)  
(6) 2 points (outside · 1, belt sander)

- (7) 4 points (outside · 1)

# Panel Replacement

## • Views



BS-04611

- (1) 2 points (top · 1)
- (2) 6 points (top · 1)
- (3) 3 points (top · 2)

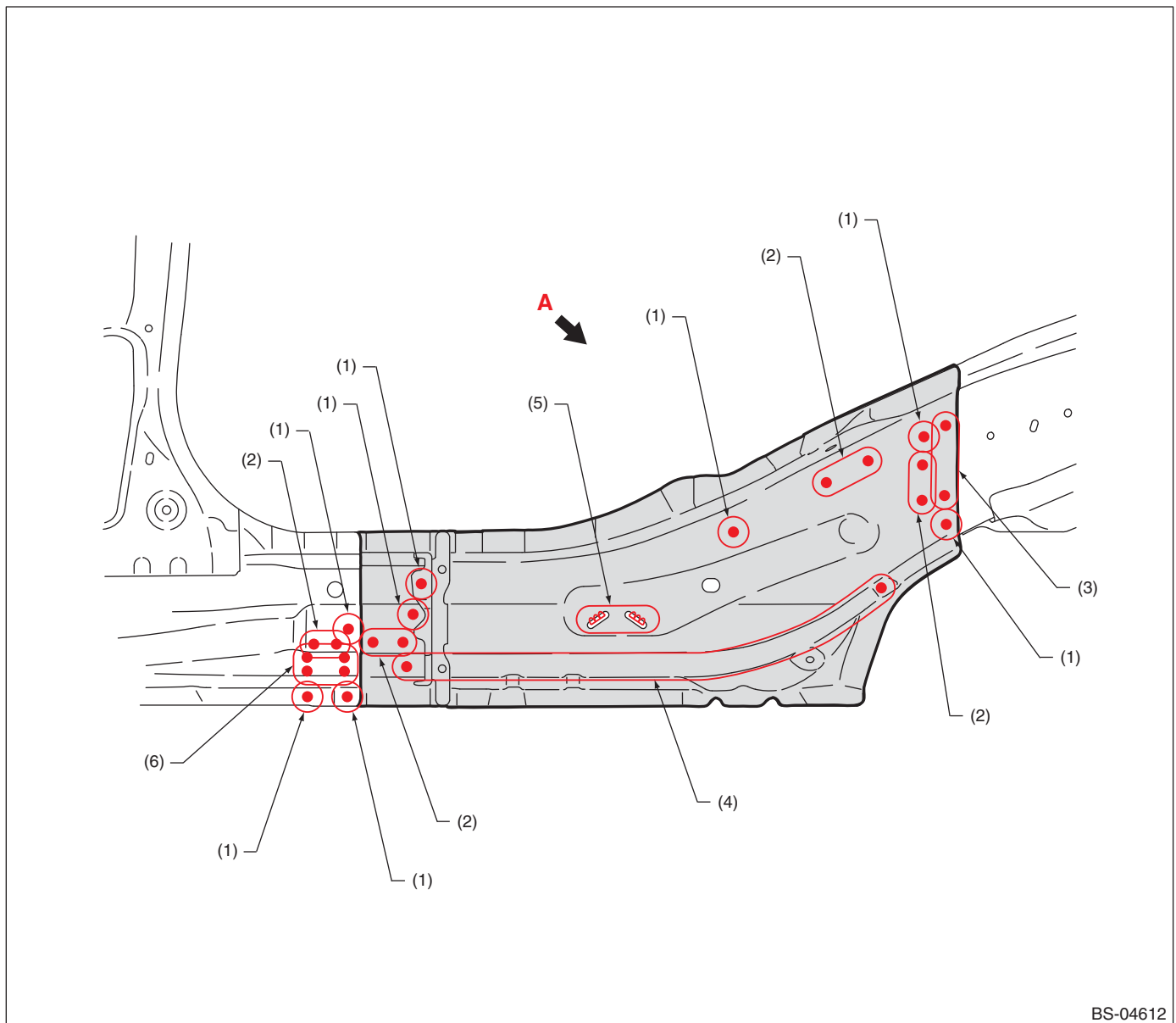
- (4) 1 point (top · 1)
- (5) 1 point (inside · 1)
- (6) 2 points (inside · 1)

- (7) 1 point (top · 2)

# Panel Replacement

## B: INSTALLATION

- Overall view



BS-04612

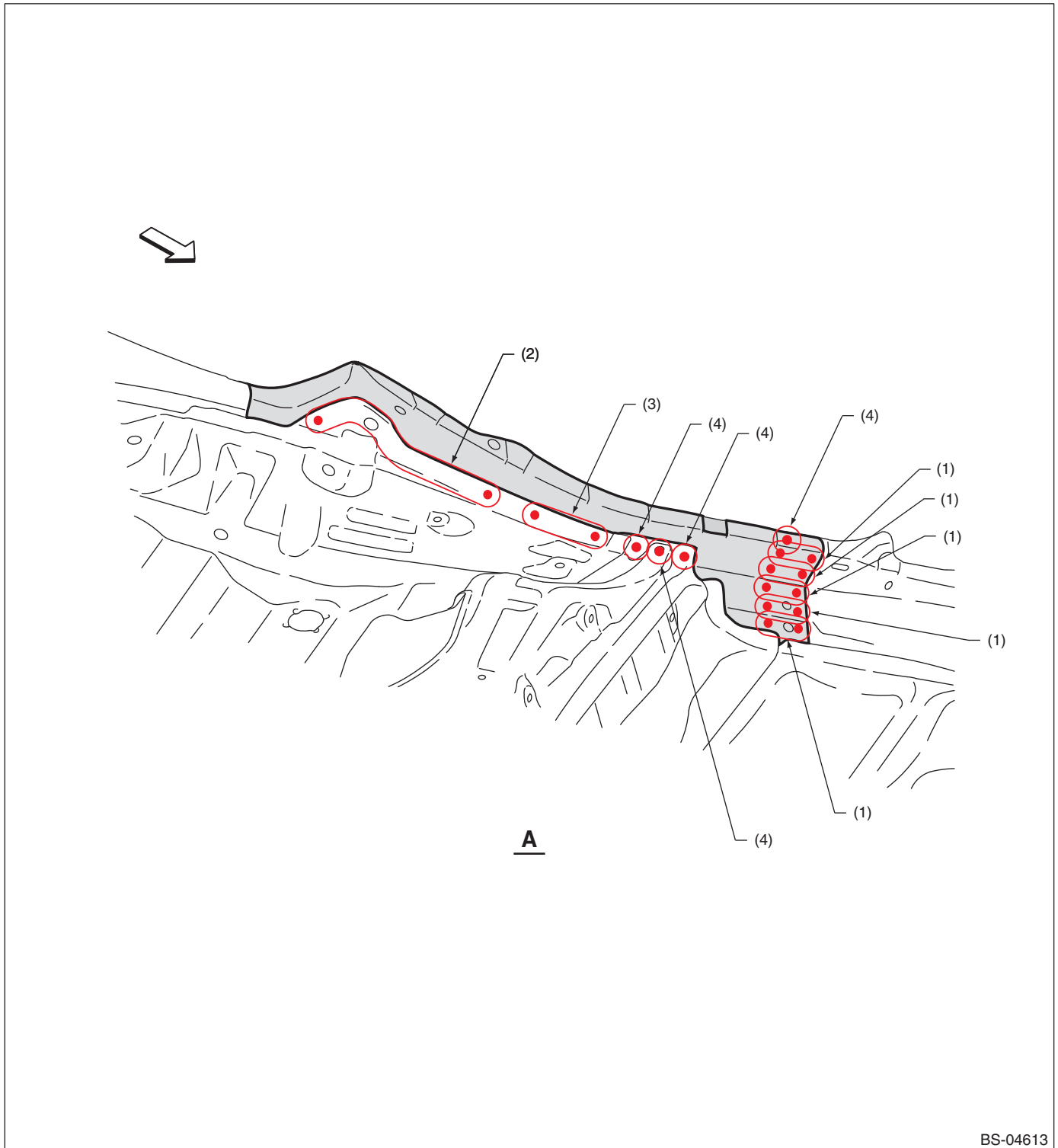
(1) 1 point  
(2) 2 points

(3) 3 points  
(4) 13 points

(5) 2 points [18 mm (0.71 in)]  
(6) 4 points

# Panel Replacement

- Views



BS-04613

(1) 2 points  
(2) 6 points

(3) 3 points

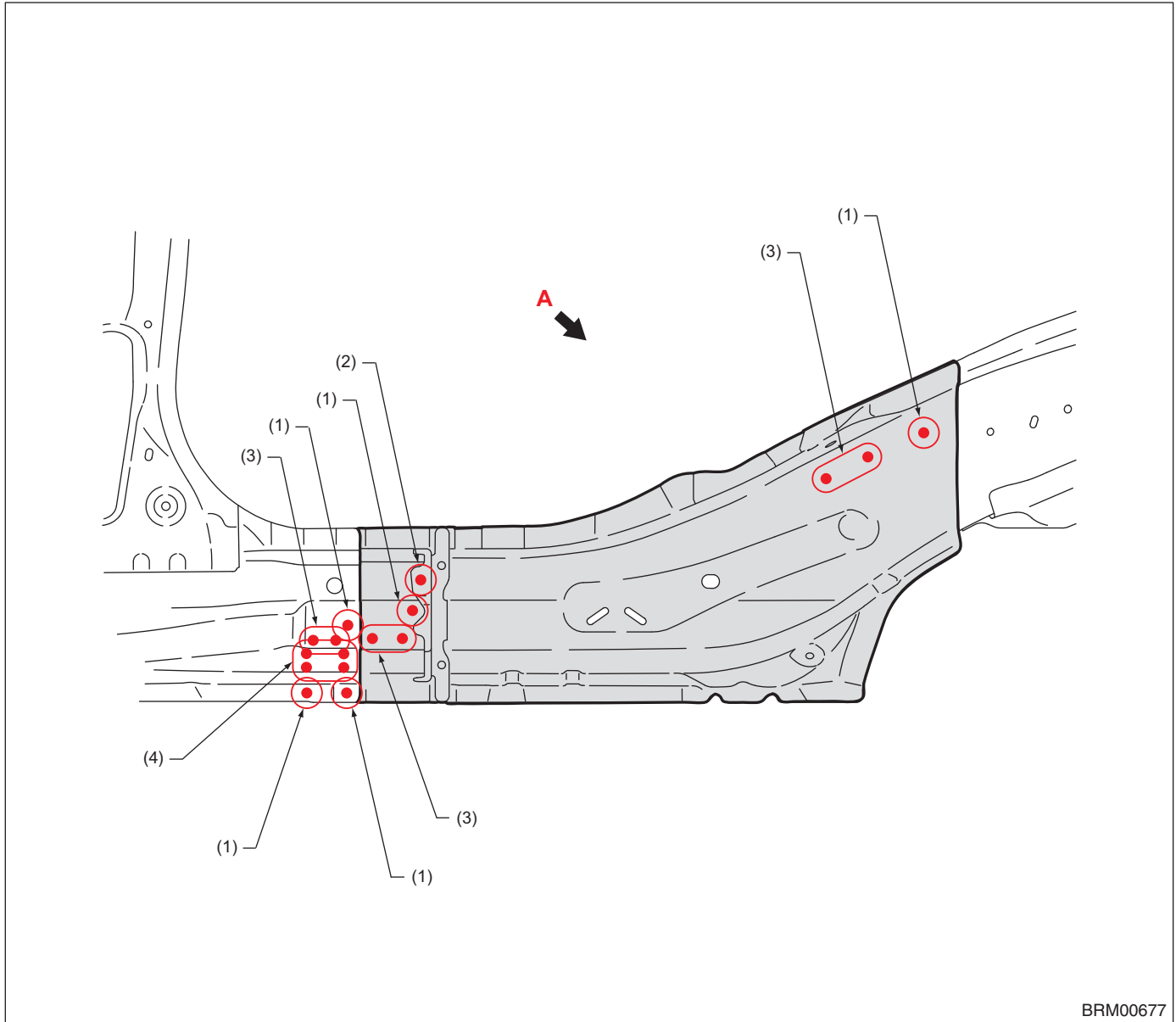
(4) 1 point

## Panel Replacement

### 11-36. Rear Floor Side Frame (total replacement)

#### A: REMOVAL

- Overall view 1 (rear quarter outer & inner, side sill reinforcement removal condition)



BRM00677

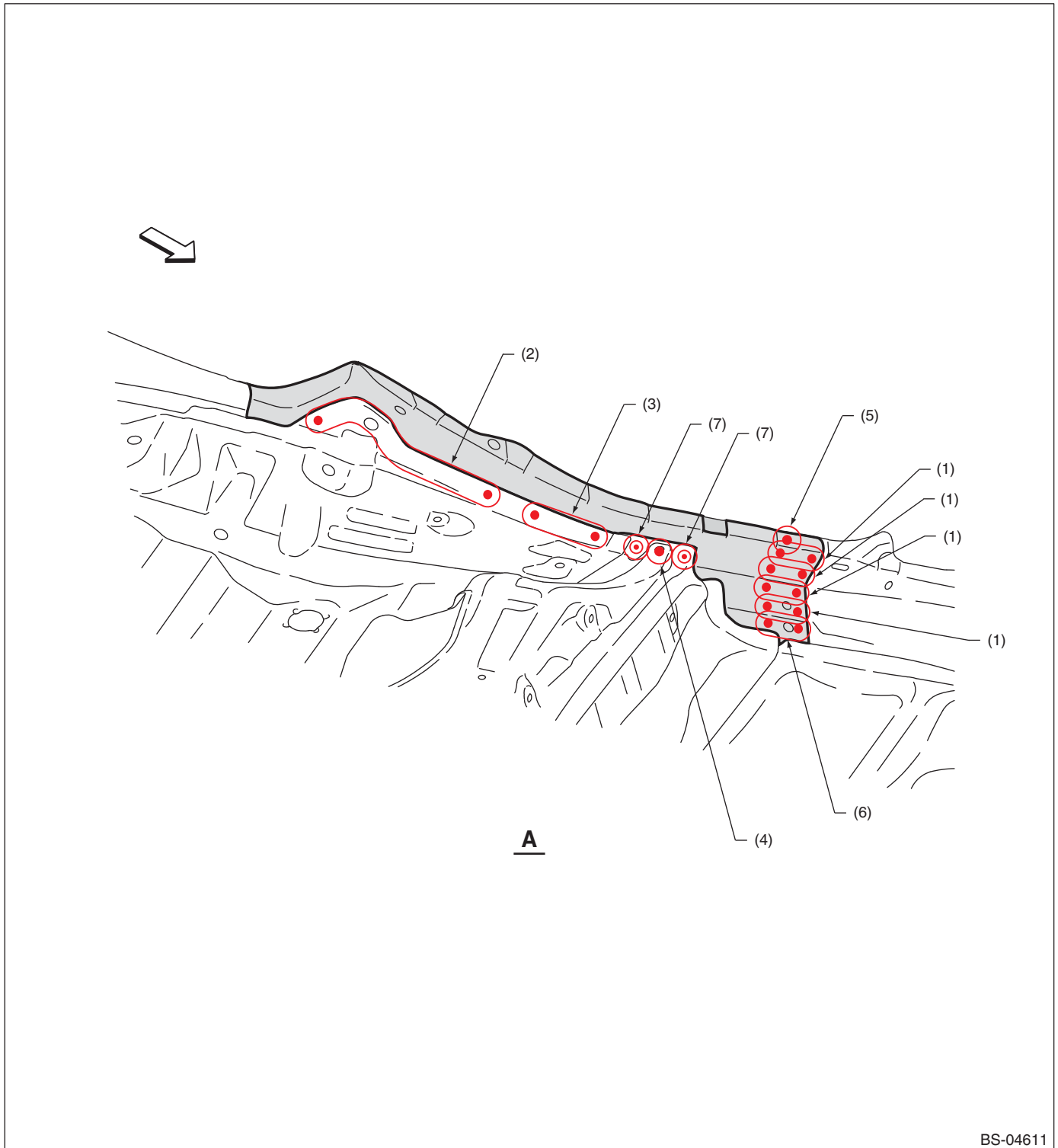
(1) 1 point (outside · 1)  
(2) 1 point (outside · 2)

(3) 2 points (outside · 1)

(4) 4 points (outside · 1)

# Panel Replacement

## • Views



BS-04611

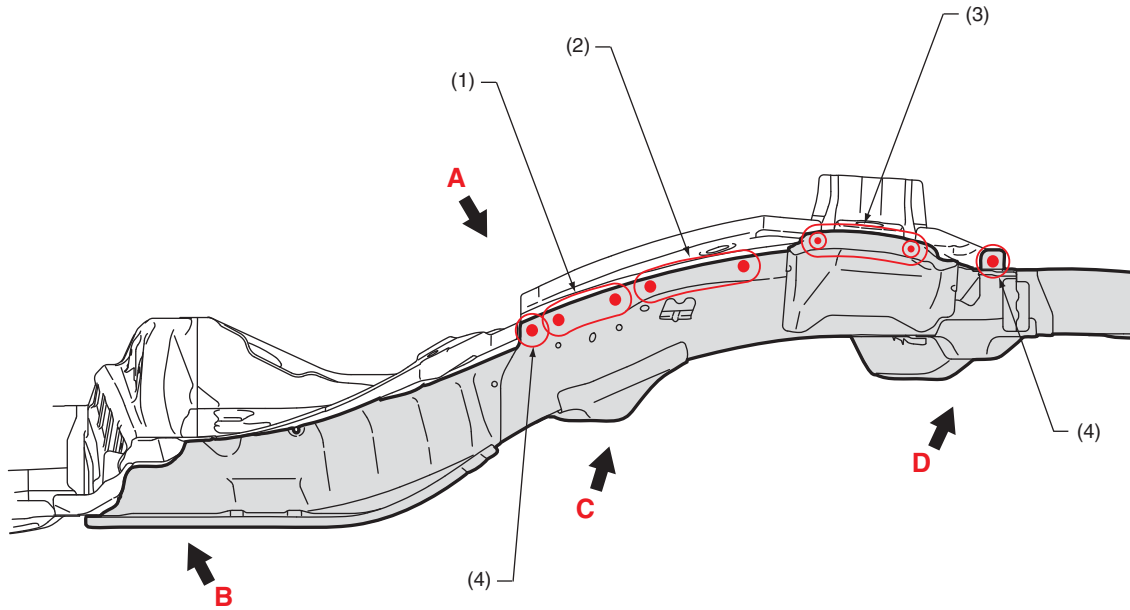
- (1) 2 points (top · 1)
- (2) 6 points (top · 1)
- (3) 3 points (top · 2)

- (4) 1 point (top · 1)
- (5) 1 point (inside · 1)
- (6) 2 points (inside · 1)

- (7) 1 point (top · 2)

## Panel Replacement

- Overall view 2 (rear skirt, rear floor pan, rear floor side, rear quarter outer & inner, side sill reinforcement, side sill inner rear removal condition)



BS-04614

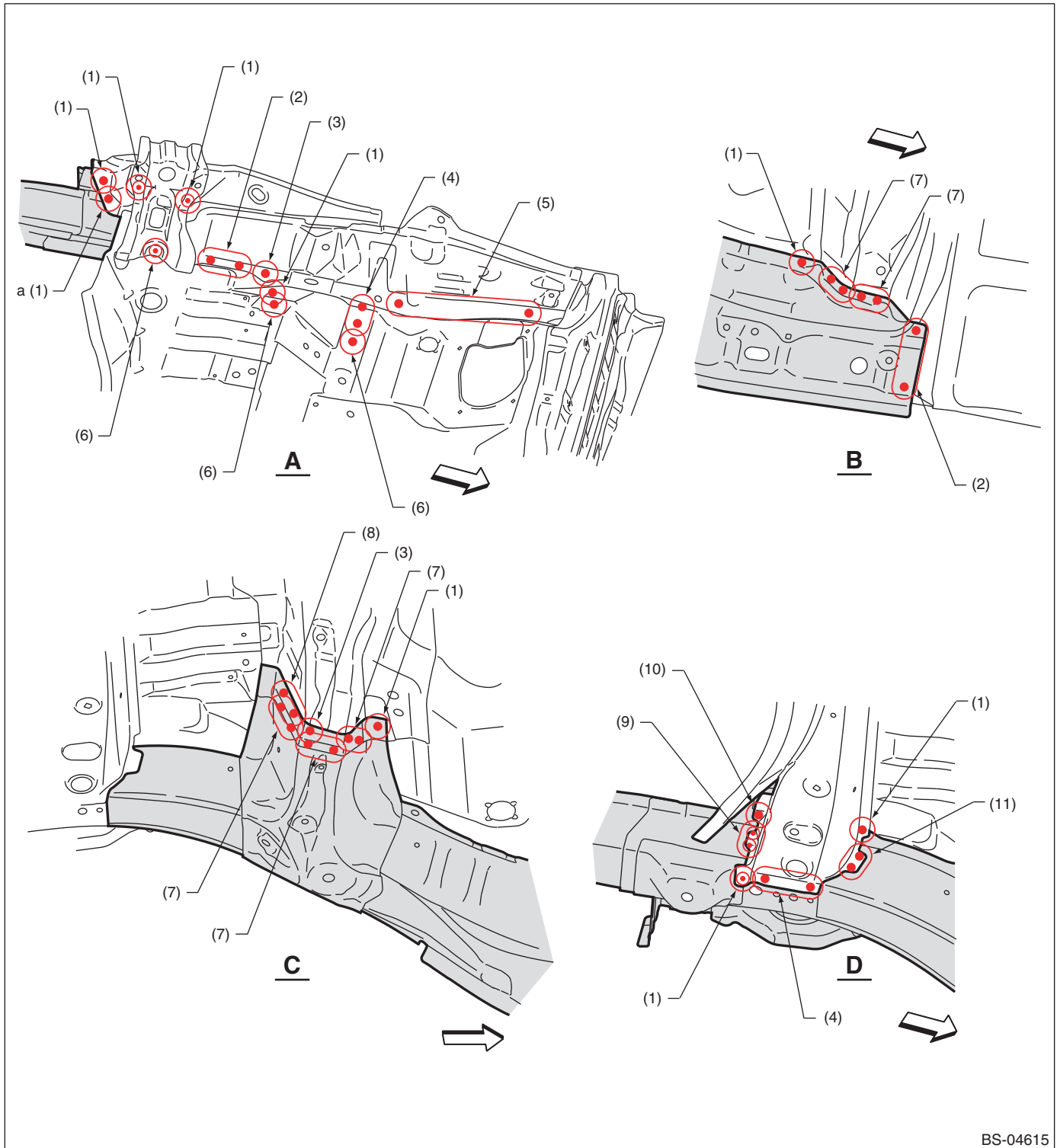
(1) 3 points (outside · 1)  
(2) 4 points (outside · 1)

(3) 3 points (outside · 2)

(4) 1 point (outside · 1)

# Panel Replacement

## • Views



BS-04615

- (1) 1 point (bottom · 1)
- (2) 3 points (bottom · 1)
- (3) 1 point (bottom · 2)
- (4) 4 points (bottom · 1)

- (5) 8 points (top · 1)
- (6) 1 point (top · 2)
- (7) 2 points (bottom · 1)
- (8) 2 points (bottom · 2)

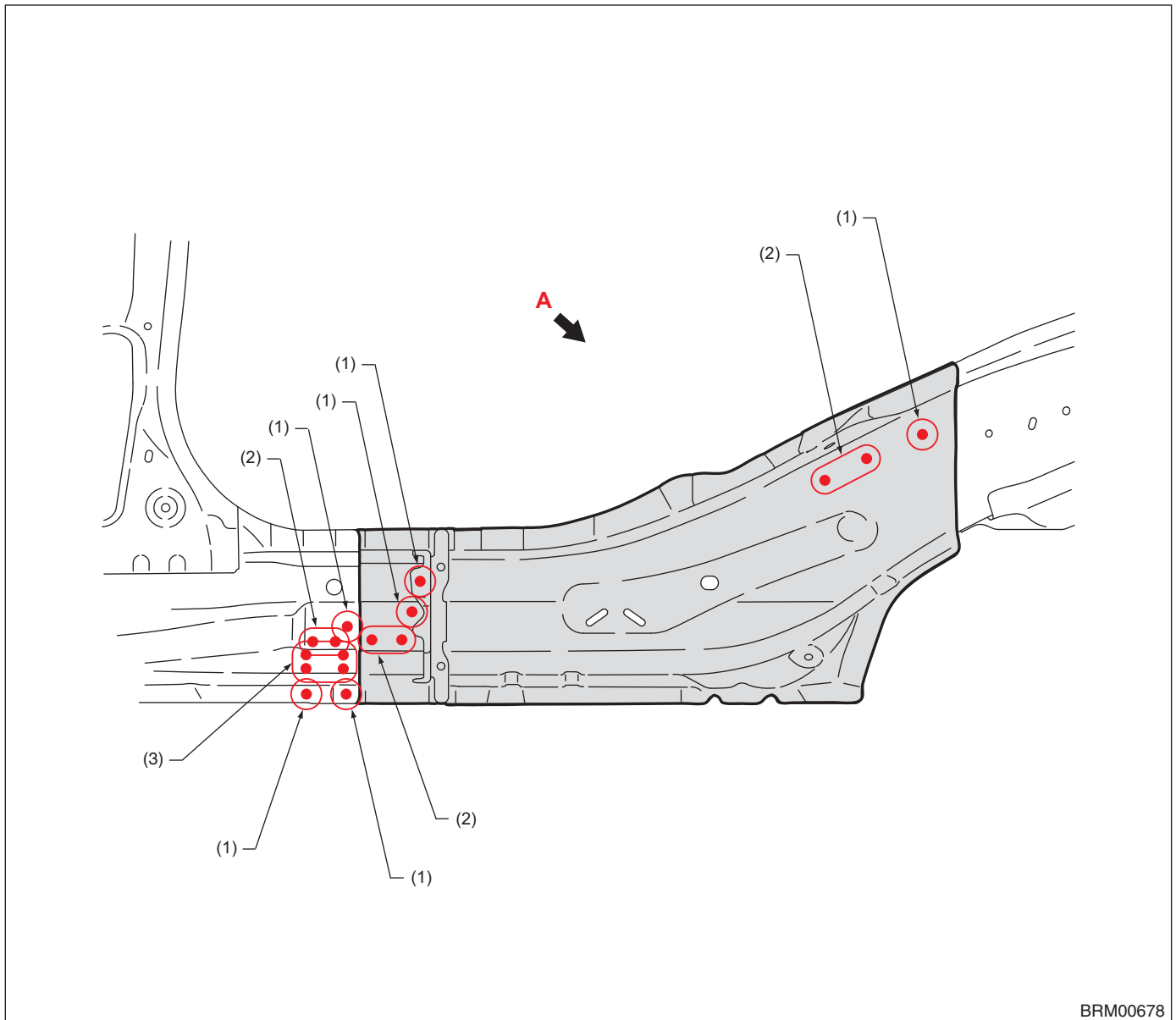
- (9) 2 points (inside · 1, belt sander)
- (10) 1 point (bottom · 1, belt sander)
- (11) 2 points (inside · 1)

For part “a”, LH only

# Panel Replacement

## B: INSTALLATION

### • Overall view 1



BRM00678

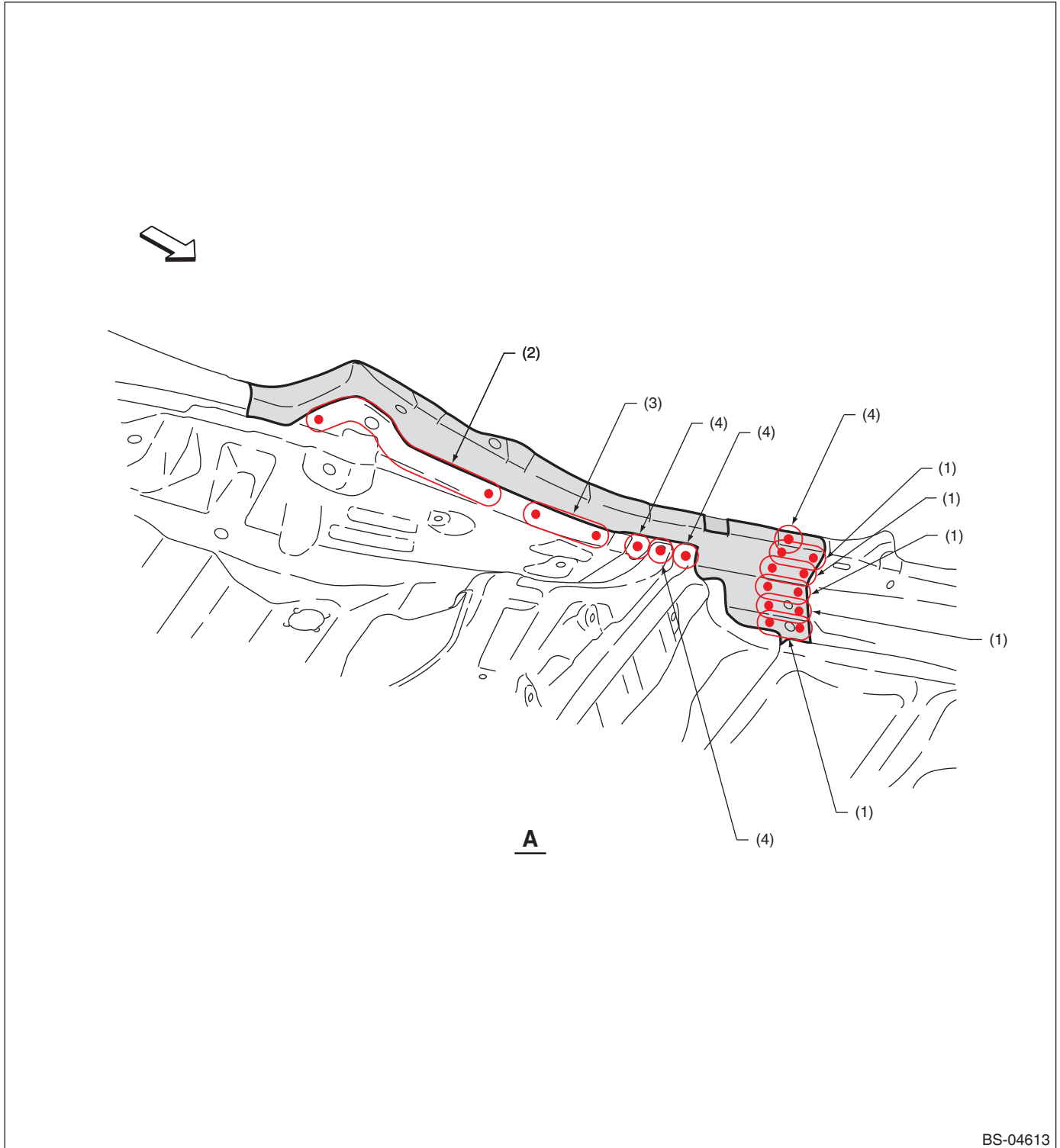
(1) 1 point

(2) 2 points

(3) 4 points

# Panel Replacement

- Views



BS-04613

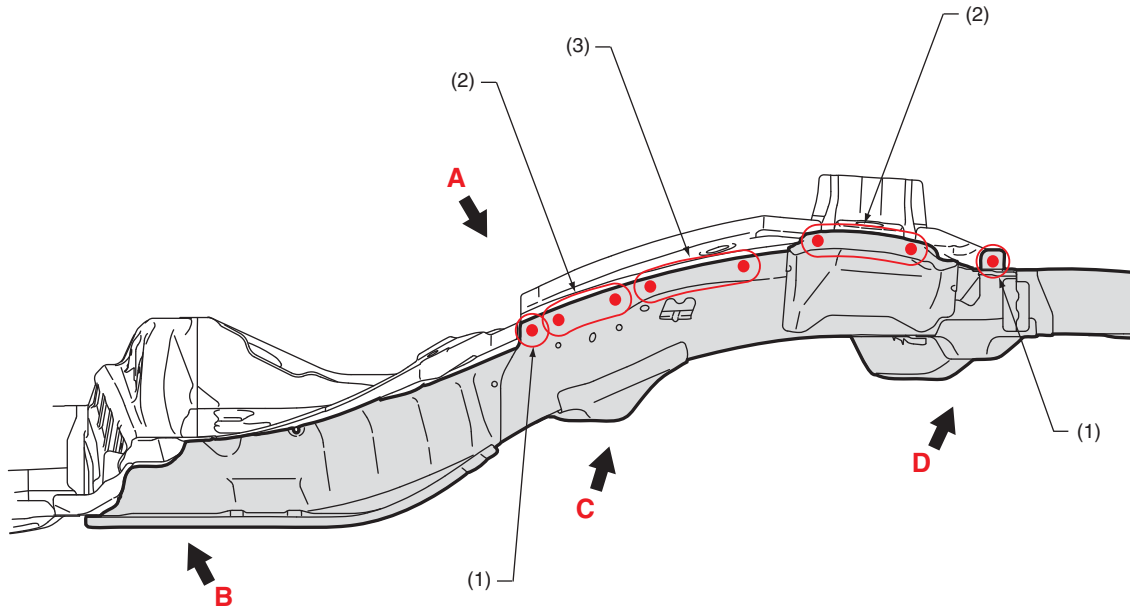
(1) 2 points  
(2) 6 points

(3) 3 points

(4) 1 point

# Panel Replacement

- Overall view 2



BS-04616

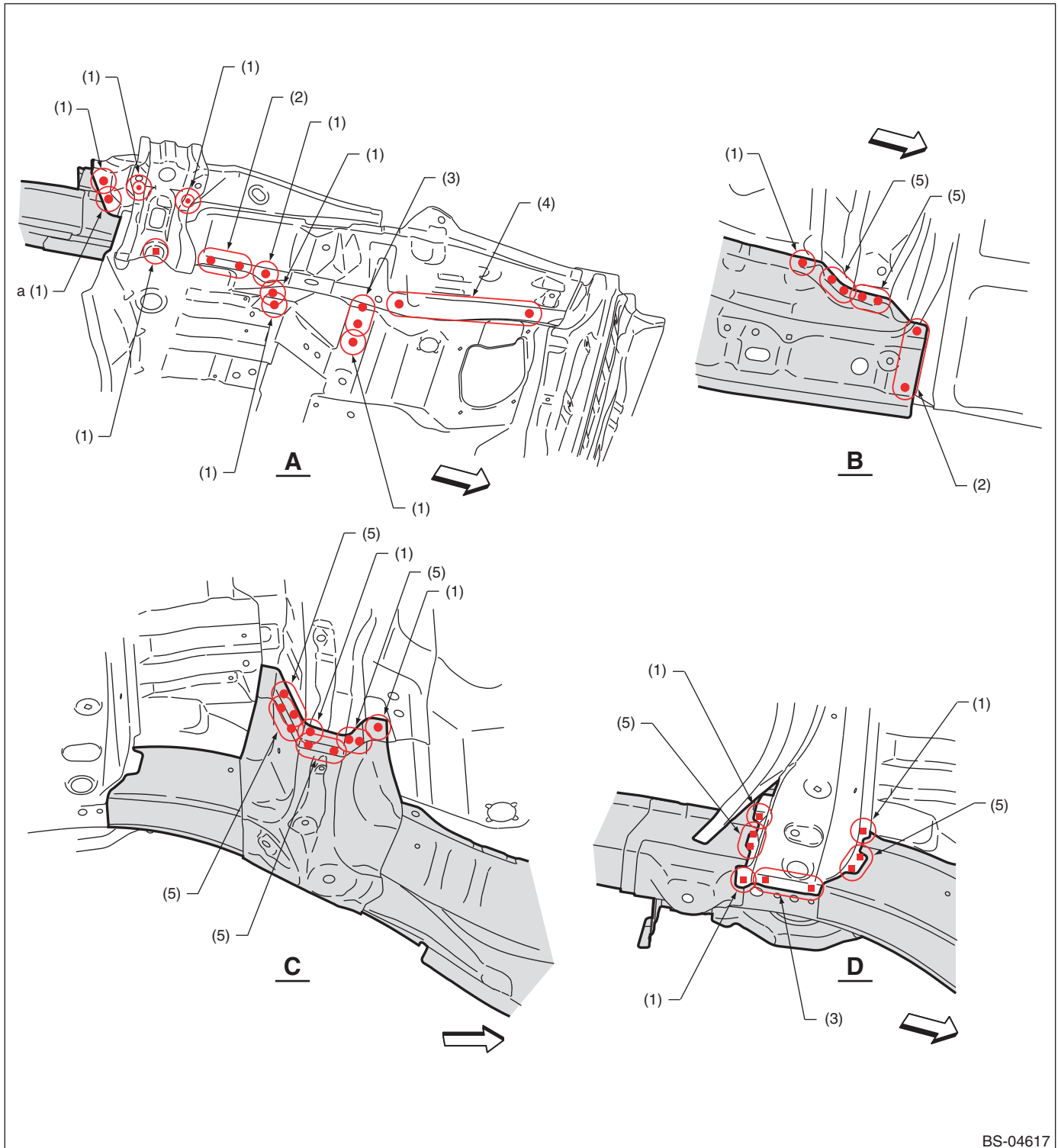
(1) 1 point

(2) 3 points

(3) 4 points

# Panel Replacement

## • Views



BS-04617

(1) 1 point  
(2) 3 points

(3) 4 points  
(4) 8 points

(5) 2 points

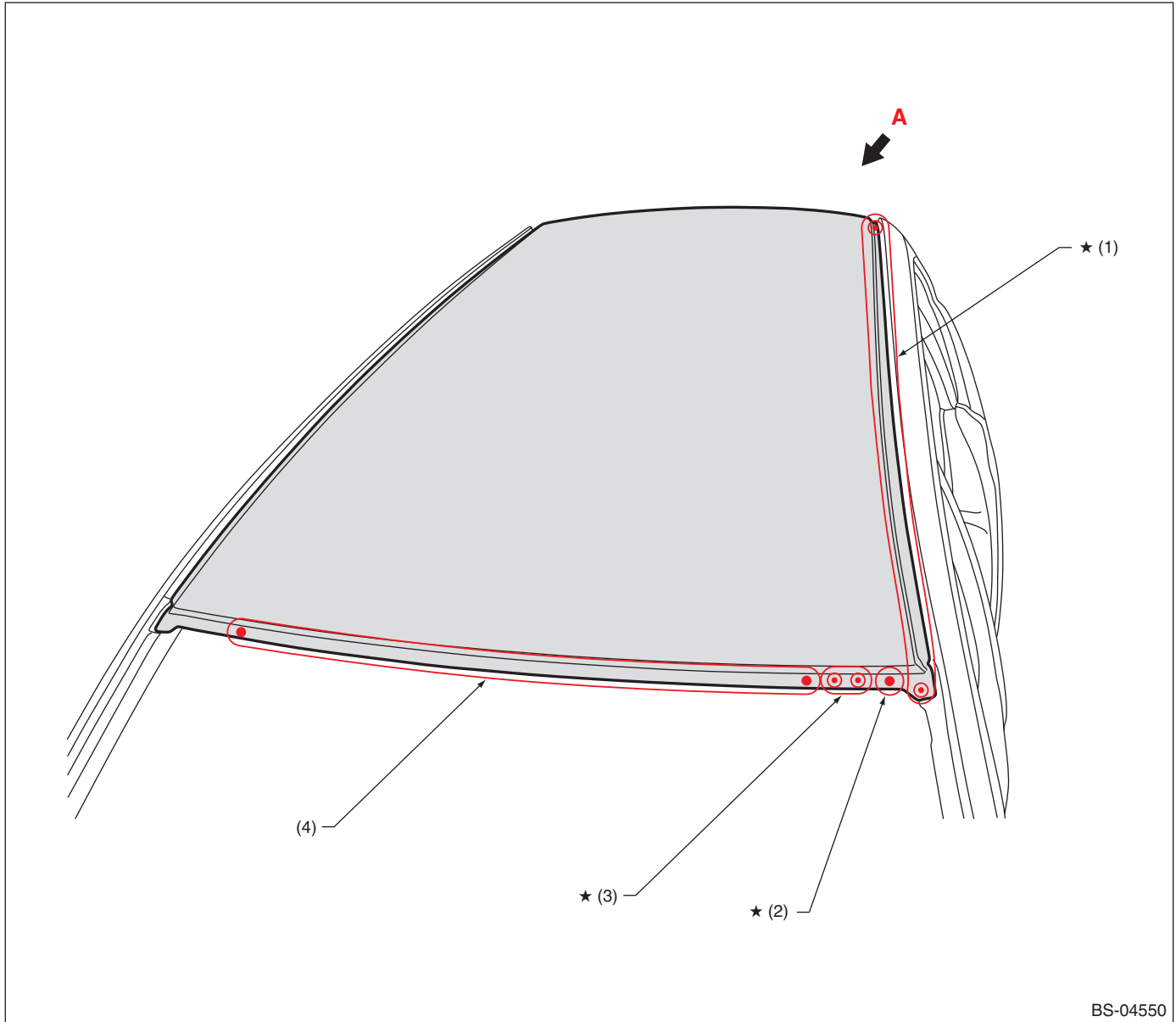
For part "a", LH only

## Panel Replacement

### 11-37. Roof Panel/OUTBACK (total replacement)

#### A: REMOVAL

- Overall view (model without sunroof)



(1) 23 points (top · 1)

(3) 2 points (top · 1)

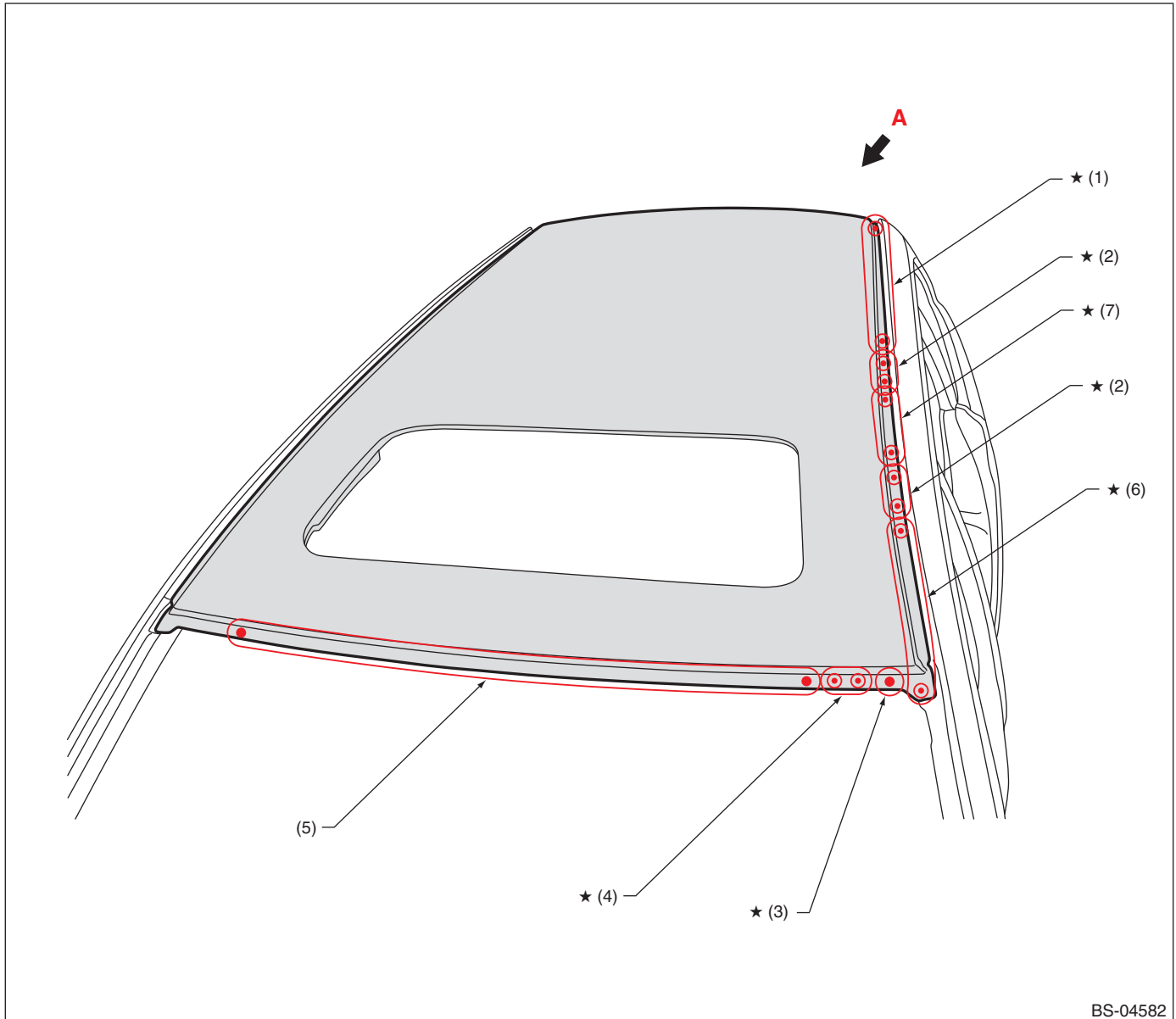
(4) 16 points (top · 1)

(2) 1 point (top · 1)

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

## Panel Replacement

- Overall view (model with sunroof)



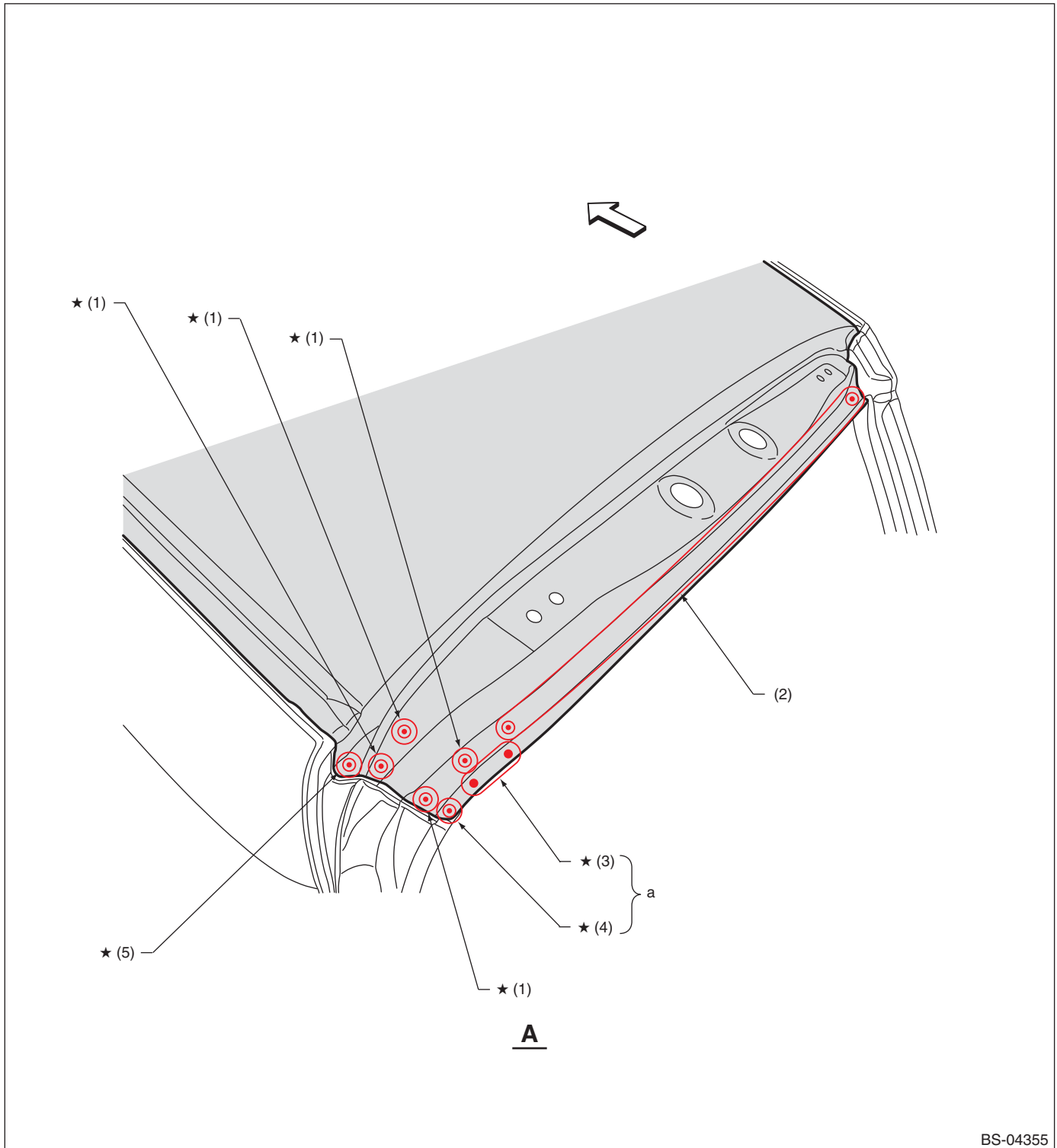
BS-04582

- |                         |                         |                        |
|-------------------------|-------------------------|------------------------|
| (1) 11 points (top · 1) | (4) 2 points (top · 1)  | (7) 4 points (top · 1) |
| (2) 2 points (top · 2)  | (5) 16 points (top · 1) |                        |
| (3) 1 point (top · 1)   | (6) 7 points (top · 1)  |                        |

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

## • Views



BS-04355

(1) 1 point (top · 1)  
(2) 13 points (top · 1)

(3) 2 points (inside · 1)  
(4) 1 point (inside · 1)

(5) 1 point (outside · 1)

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

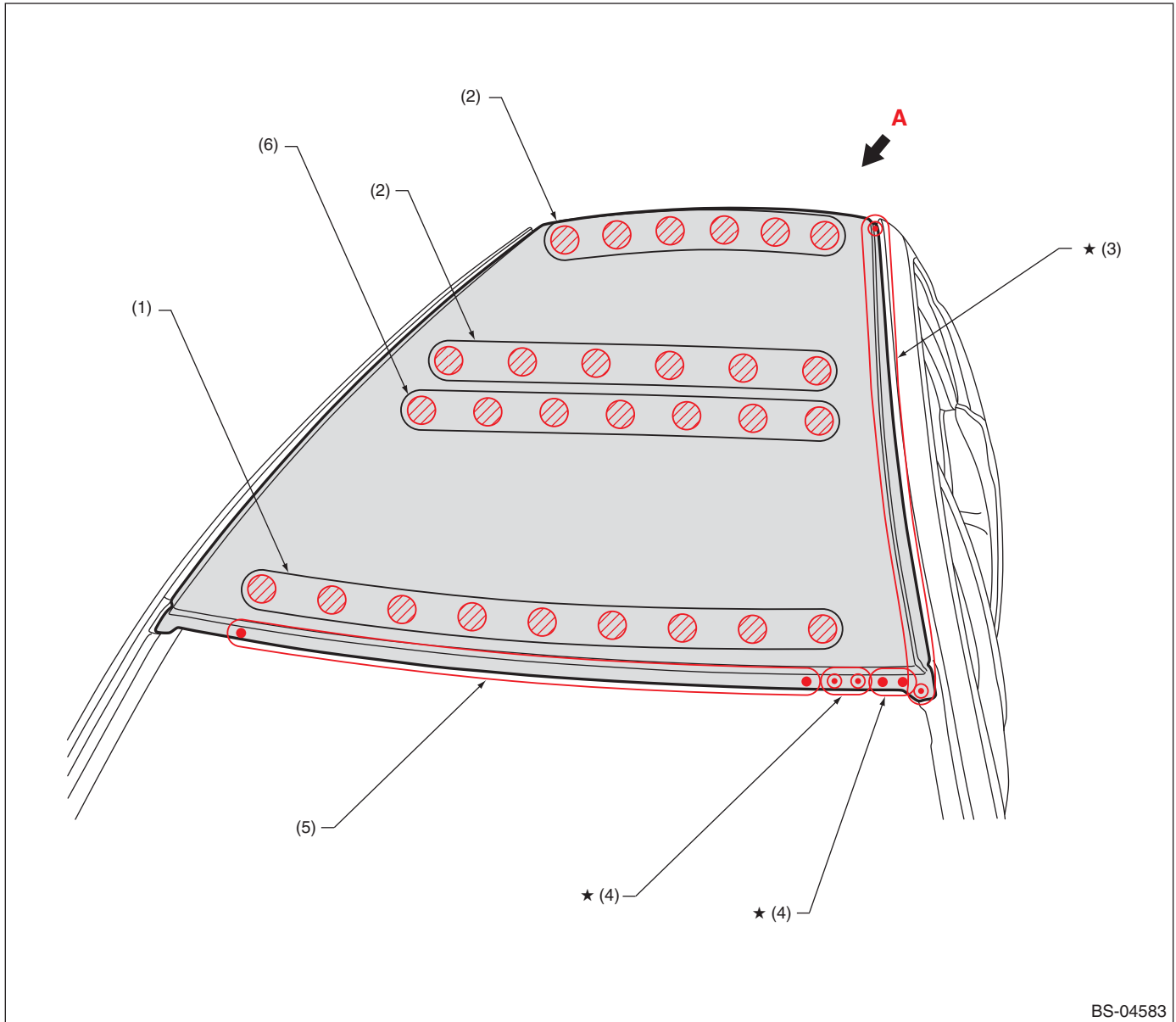
### **CAUTION:**

**In order to keep the drill from hitting the part “a”, perform the work with the weather strip mounting part bent.**

# Panel Replacement

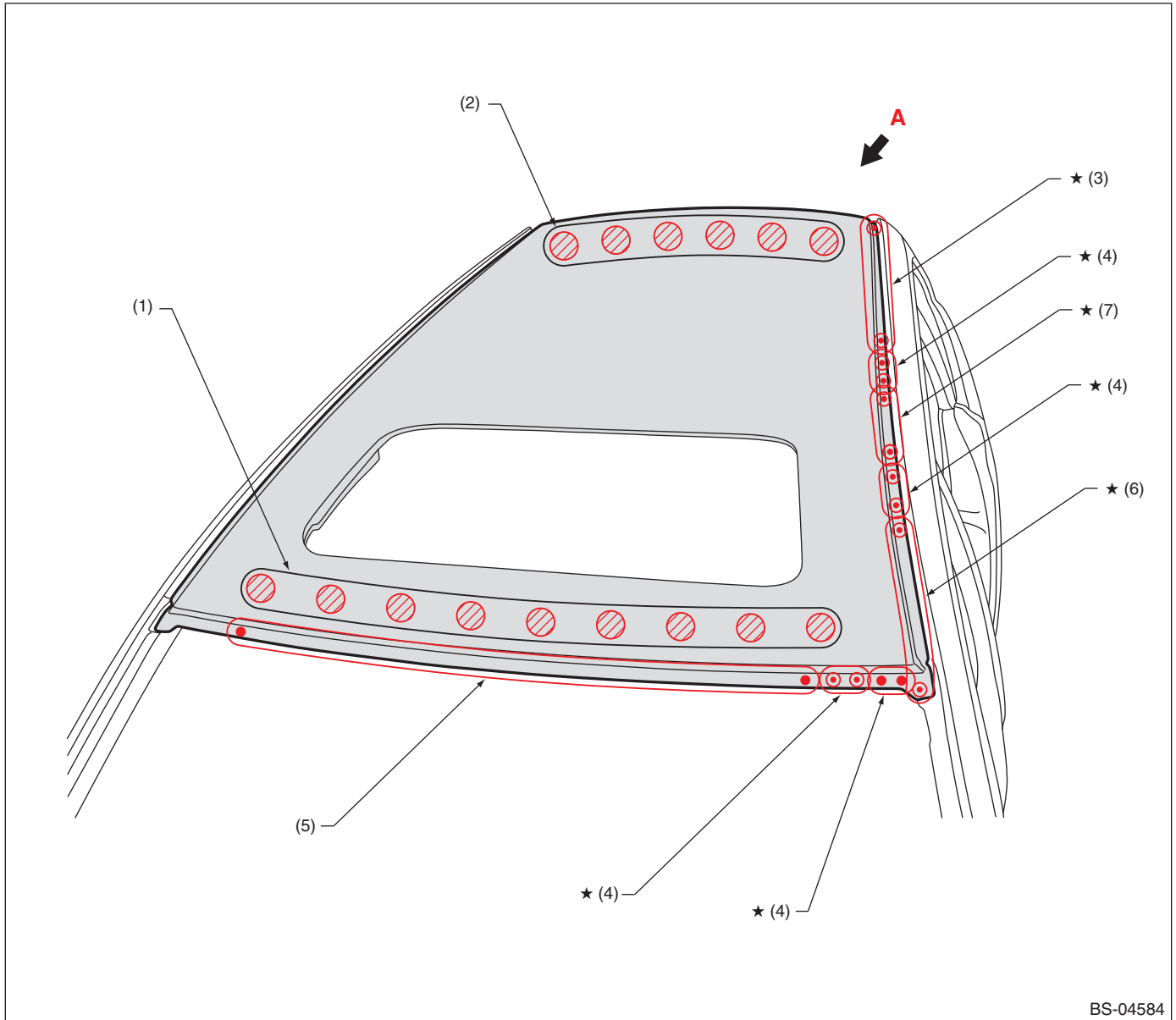
## B: INSTALLATION

### • Overall view (model without sunroof)



# Panel Replacement

- Overall view (model with sunroof)



- |               |               |              |
|---------------|---------------|--------------|
| (1) 9 points  | (4) 2 points  | (7) 4 points |
| (2) 6 points  | (5) 21 points |              |
| (3) 12 points | (6) 7 points  |              |

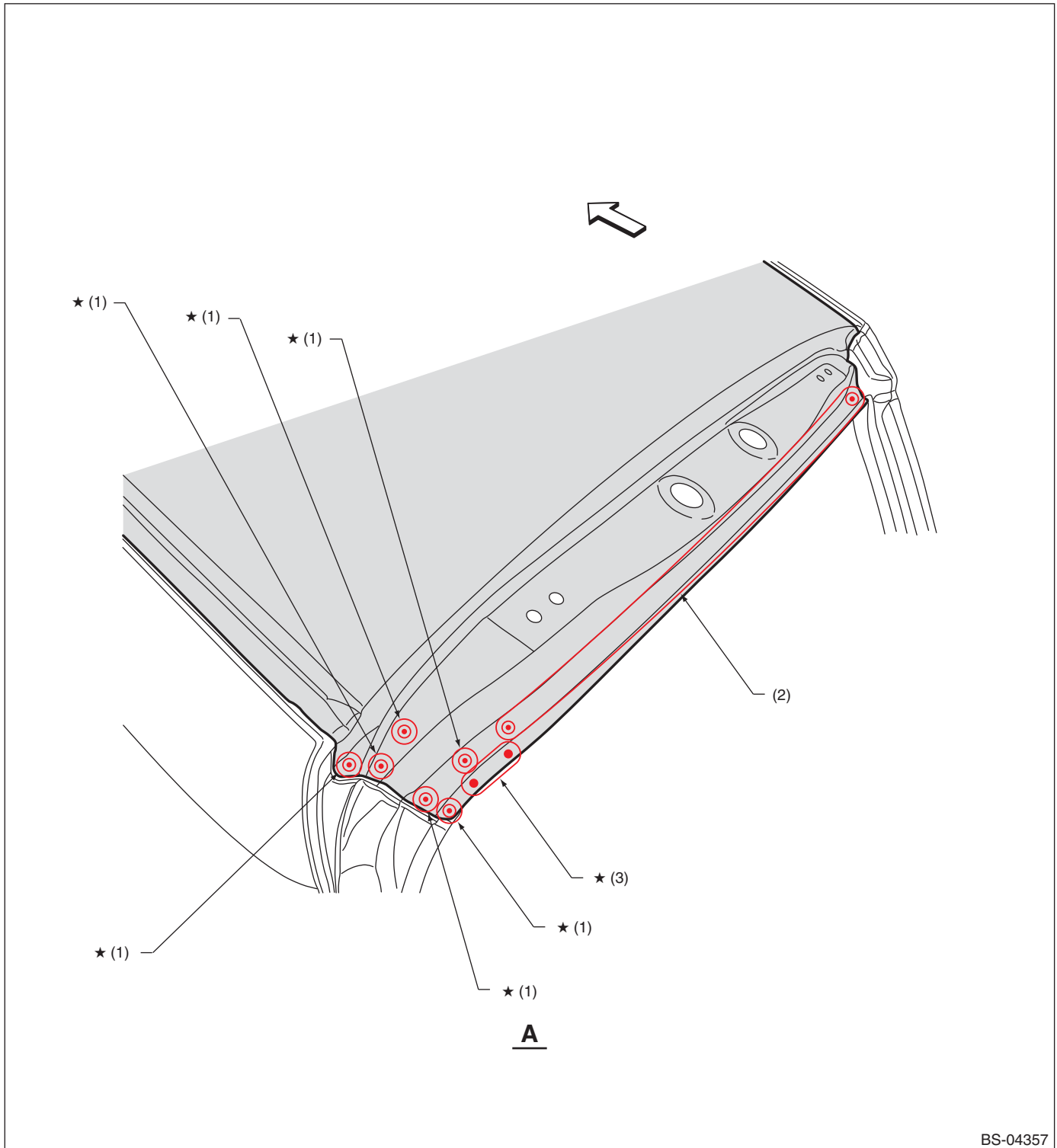
For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

Point: For installation of the side rail part of the roof panel, the triple part with the base material is welded.

⊗ : Application of adhesive at the time of roof panel installation.

# Panel Replacement

- Views



BS-04357

(1) 1 point

(2) 17 points

(3) 2 points

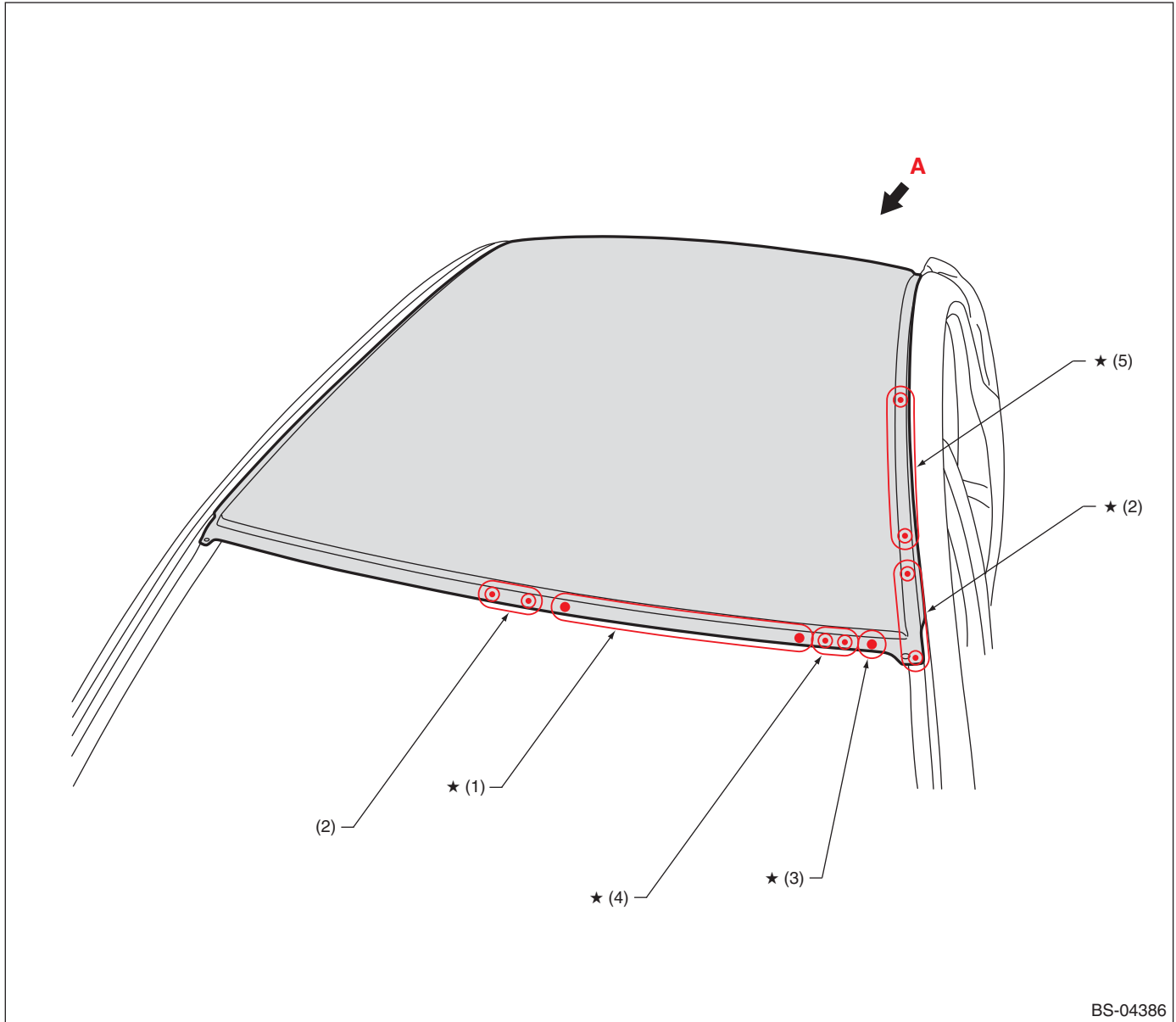
For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

## Panel Replacement

### 11-38. Roof Panel/Sedan (total replacement)

#### A: REMOVAL

- Overall view (model without sunroof)

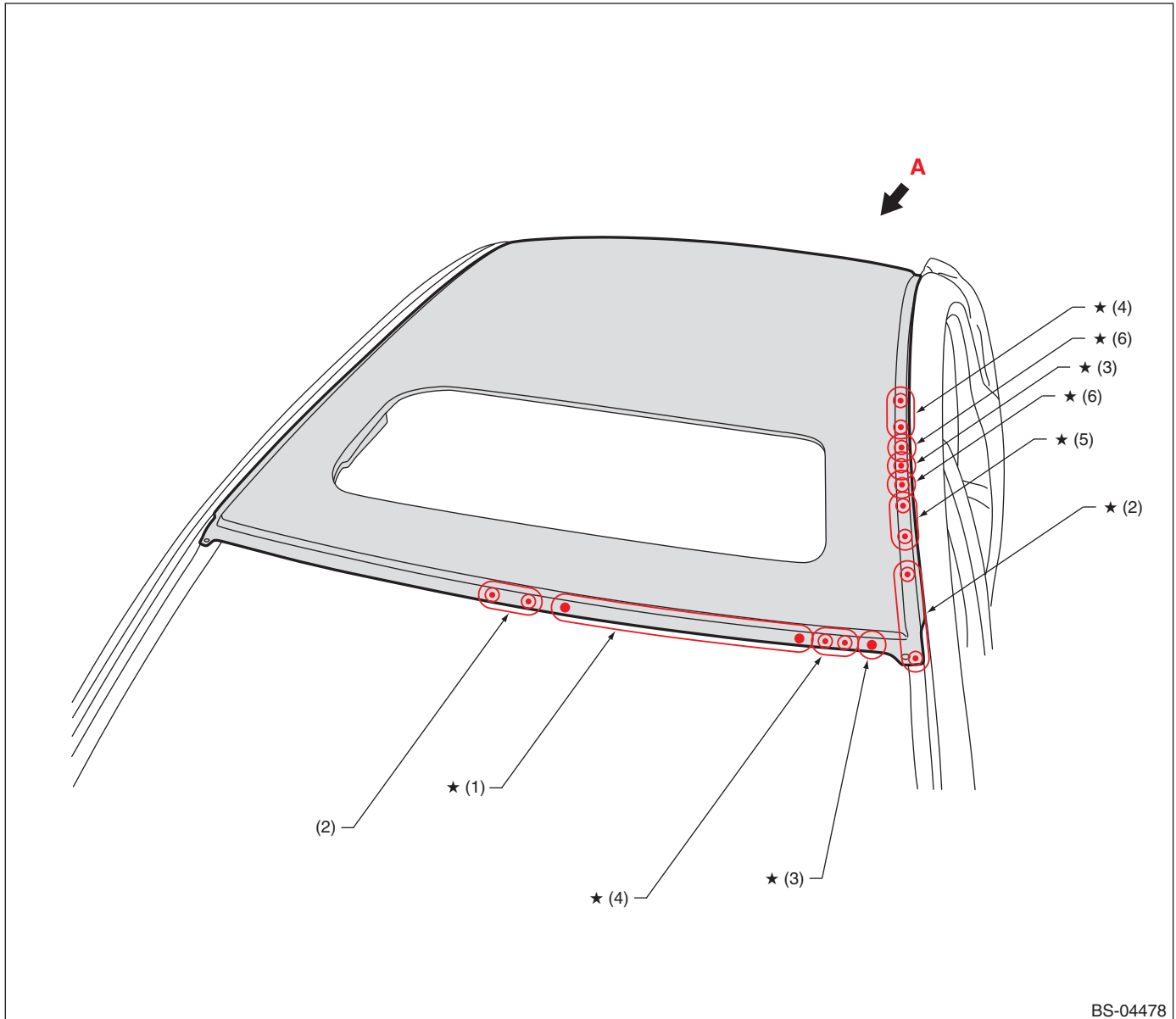


BS-04386

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

## Panel Replacement

- Overall view (model with sunroof)



BS-04478

(1) 7 points (top · 1)

(2) 3 points (top · 1)

(3) 1 point (top · 1)

(4) 2 points (top · 1)

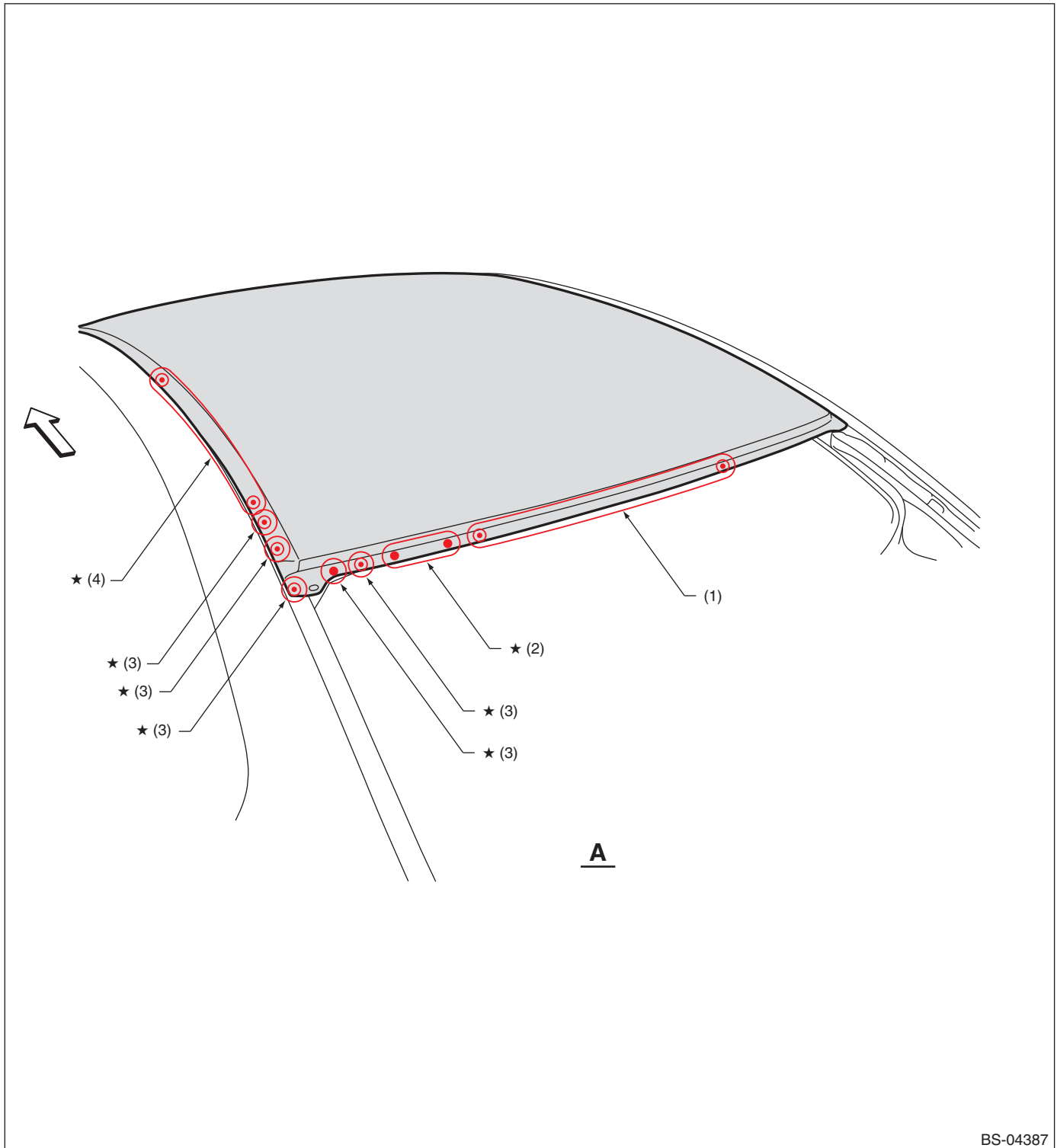
(5) 4 points (top · 1)

(6) 1 point (top · 2)

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

# Panel Replacement

## • Views



(1) 9 points (top · 1)  
(2) 2 points (top · 1)

(3) 1 point (top · 1)

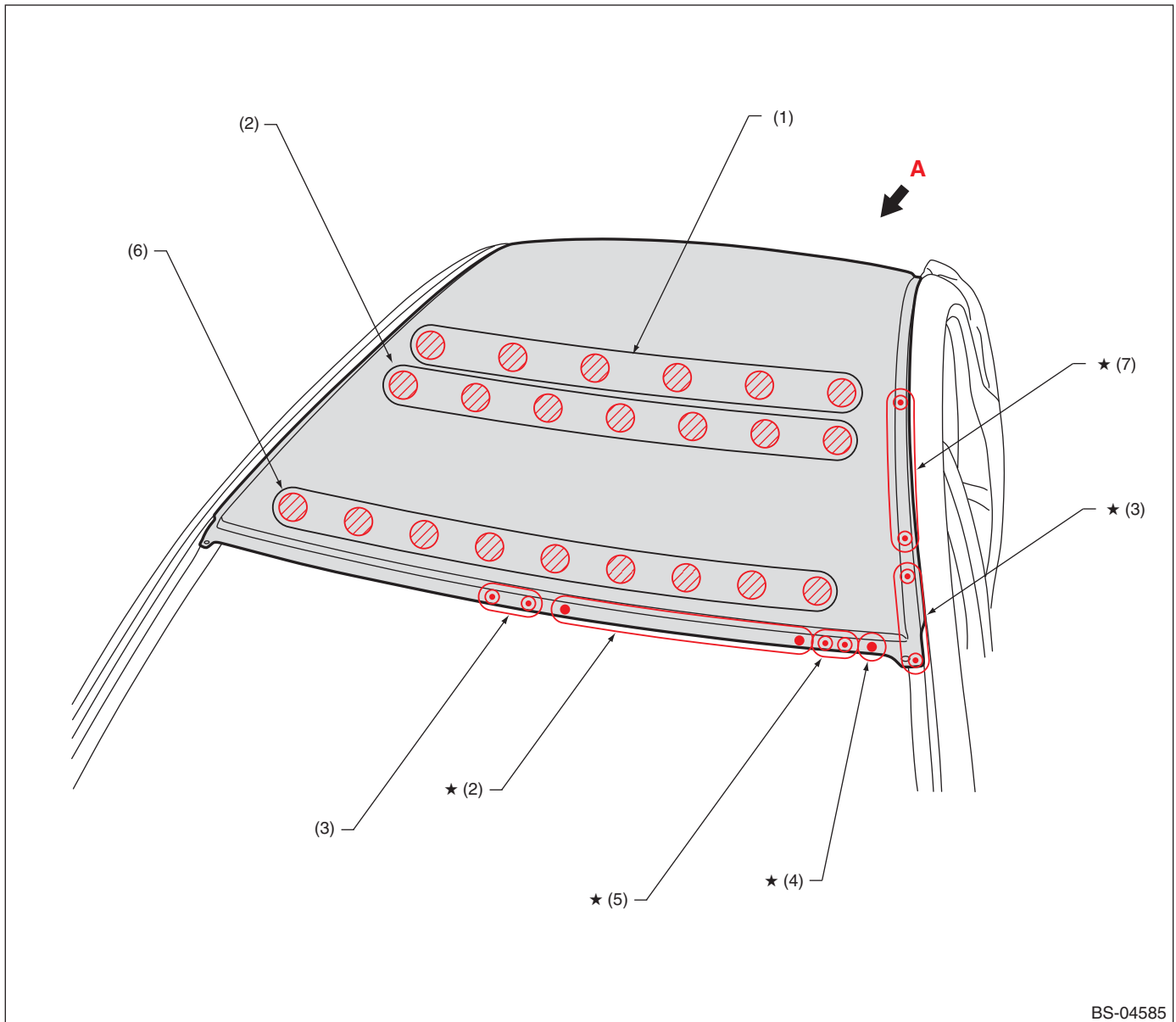
(4) 5 points (top · 1)

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

## B: INSTALLATION

## B: INSTALLATION

- **Overall view (model without sunroof)**



- (1) 6 points
- (2) 7 points
- (3) 3 points

- (4) 1 point  
(5) 2 points  
(6) 9 points

- (7) 8 points

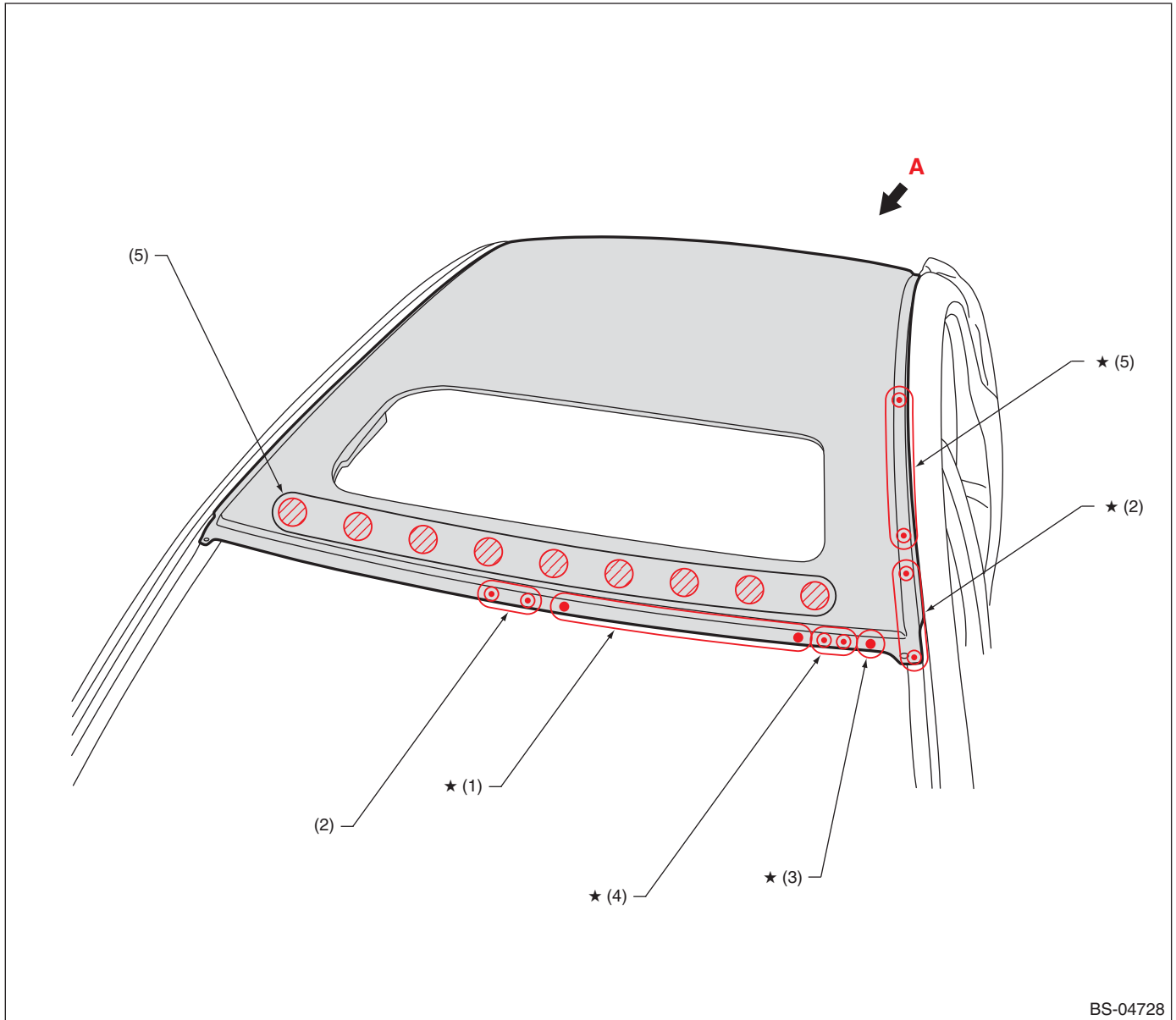
For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

Point: For installation of the side rail part of the roof panel, the triple part with the base material is welded.

 : Application of adhesive at the time of roof panel installation.

## Panel Replacement

- Overall view (model with sunroof)



BS-04728

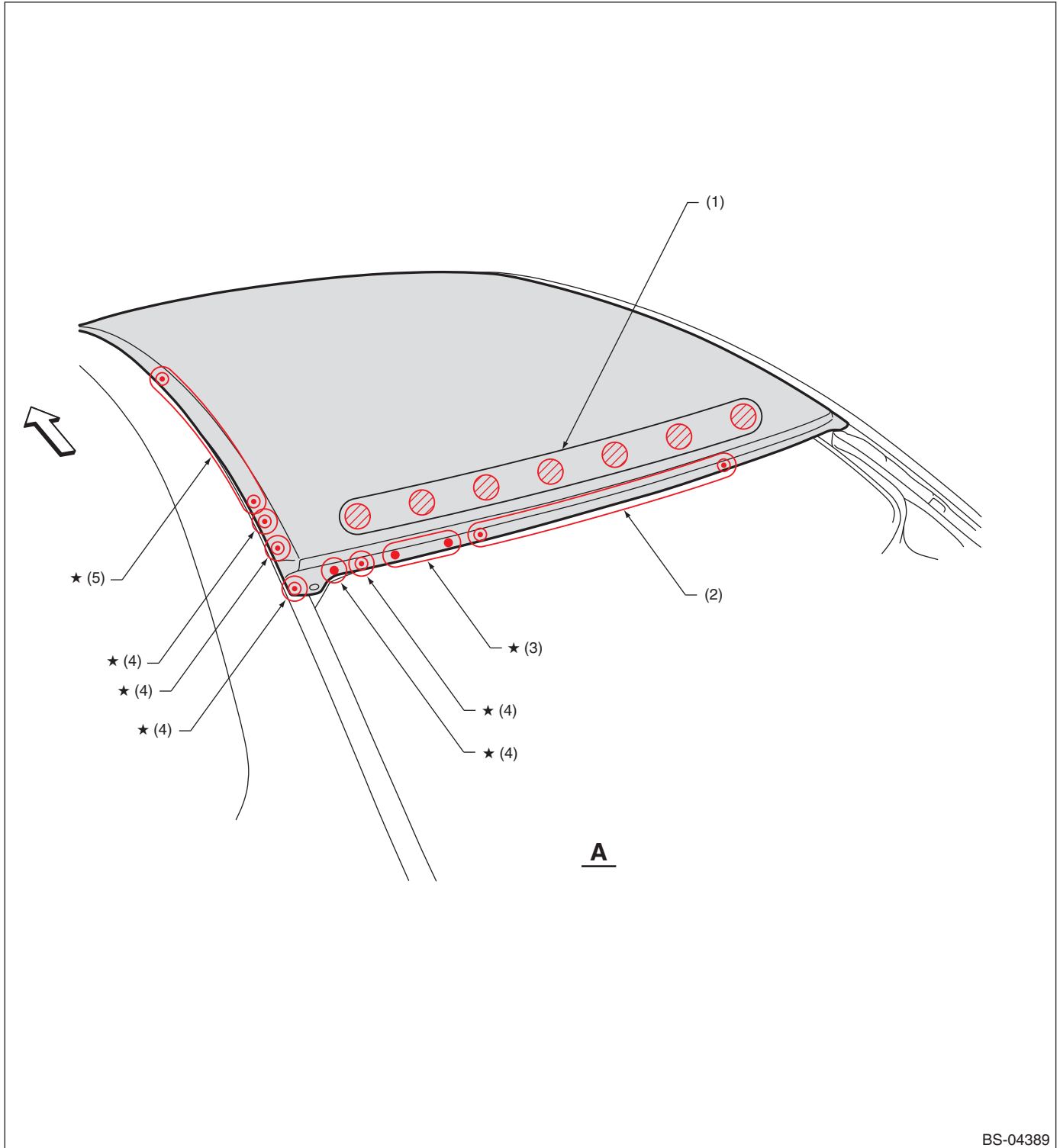
(1) 7 points  
(2) 3 points

(3) 1 point  
(4) 2 points

(5) 9 points

# Panel Replacement

## • Views



BS-04389

(1) 7 points

(2) 12 points

(3) 2 points

(4) 1 point

(5) 5 points

For locations marked by ★, the welding method and the number of welding points are the same on the left and the right.

Point: For installation of the side rail part of the roof panel, the triple part with the base material is welded.

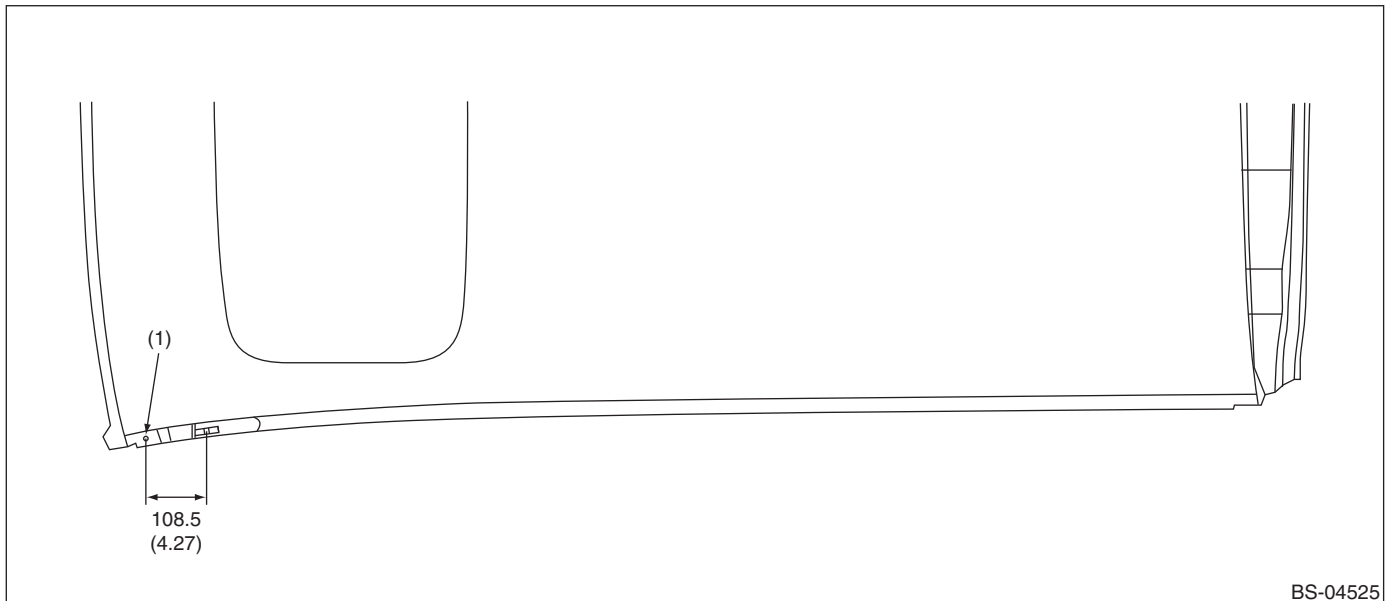
⊗ : Application of adhesive at the time of roof panel installation.

# Panel Replacement

## C: T STUD INSTALLATION

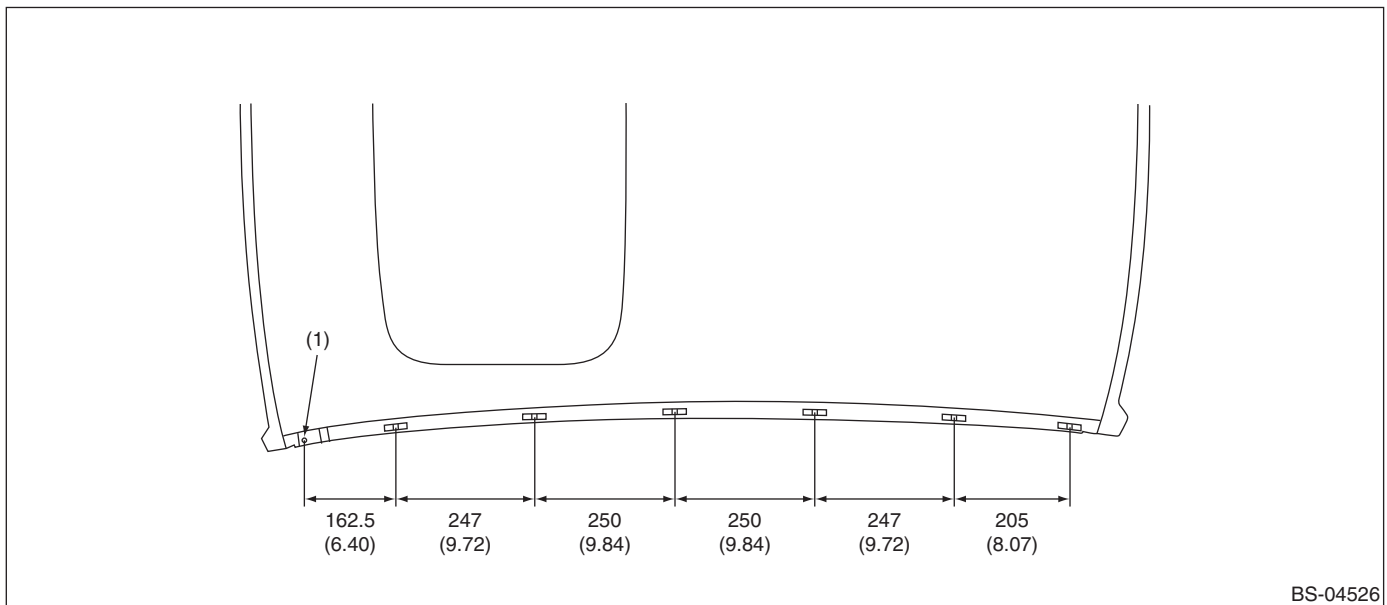
### • OUTBACK

Unit: mm (in)



### • Sedan

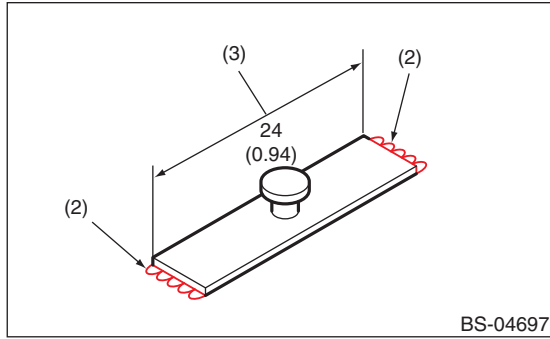
Unit: mm (in)



# Panel Replacement

## • T stud welding

Unit: mm (in)



(1)  $\phi 5.2$  mm (0.20 in) hole (Roof moulding reference pop rivet hole)

(2) Arc welding for both plate ends

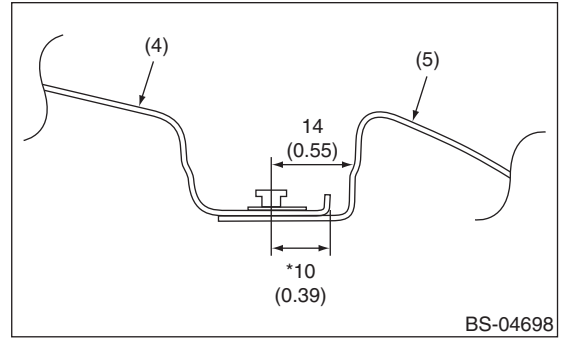
(3) This surface shall be kept flat as it becomes the mating face with the clip.

(4) Roof panel

\* Indicates dimensions for reference.

## • T stud basic cross section

Unit: mm (in)



(5) Side panel outer

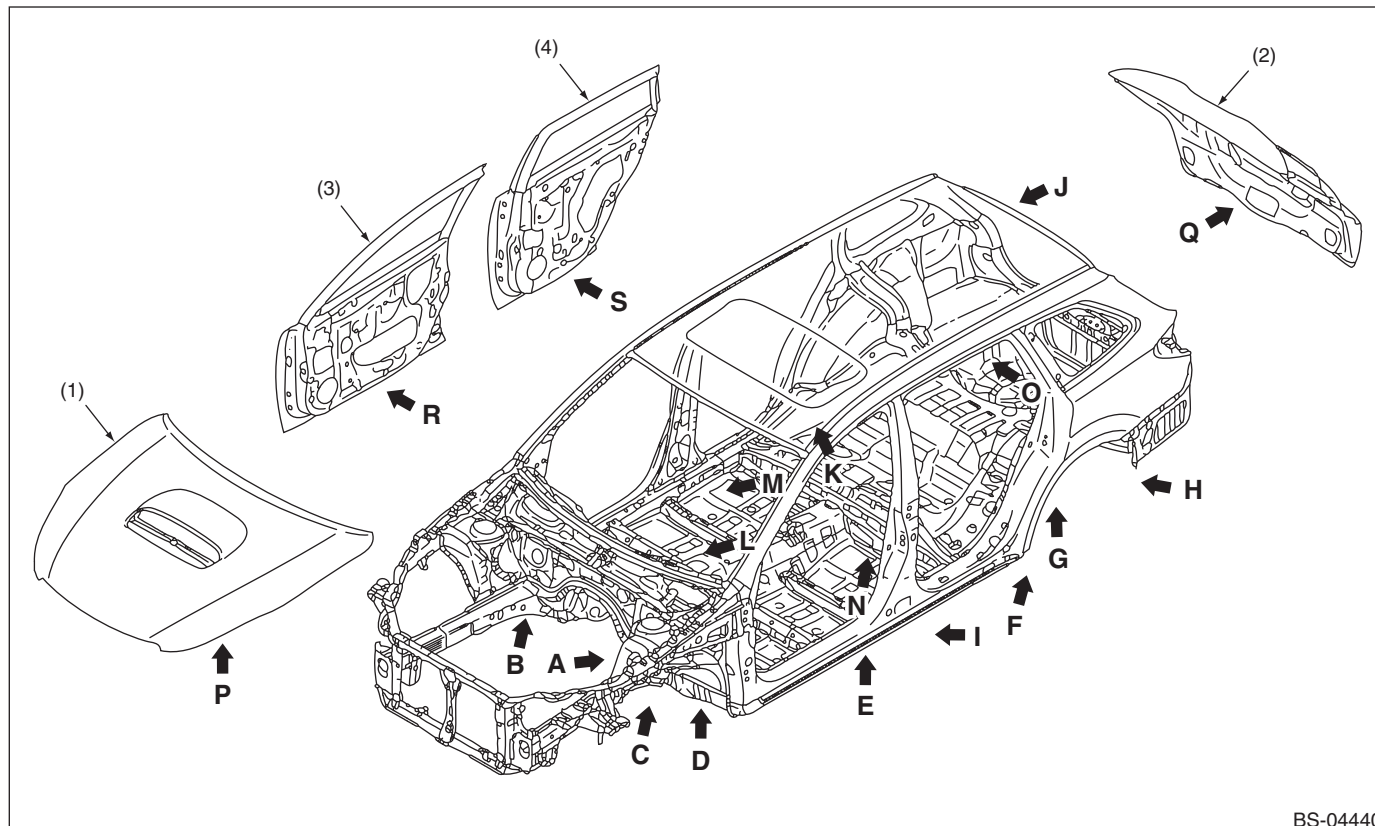
## 12.Body Sealing

### A: SPECIFICATIONS

Used material: **Three Bond 4101 (004403063)**

**—** : Sealer application location

#### 1. COMMON PARTS FOR OUTBACK AND SEDAN



BS-04440

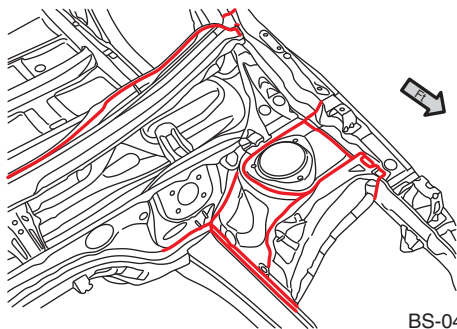
- (1) Front hood
- (2) Rear gate

- (3) Front door

- (4) Rear door

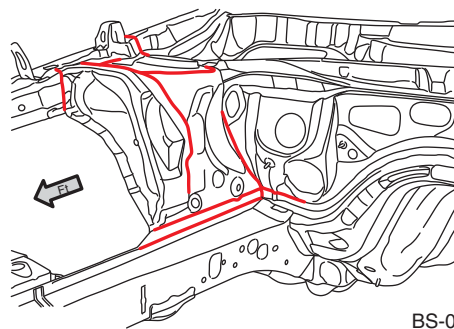
# Body Sealing

View A



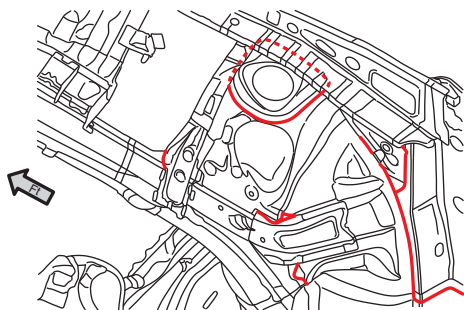
BS-04441

View B



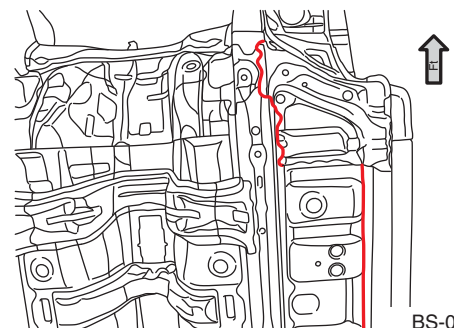
BS-04586

View C



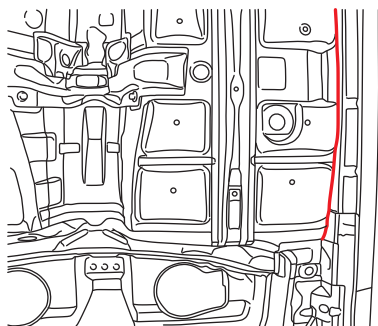
BS-04443

View D



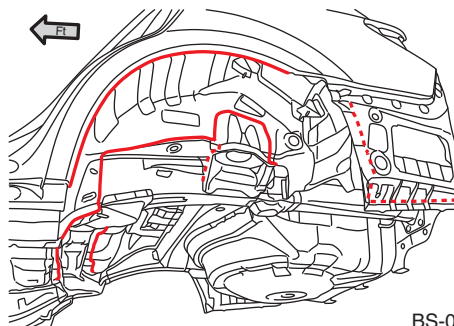
BS-04444

View E



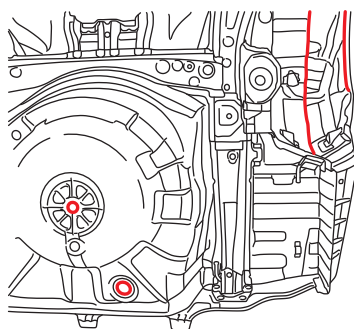
BS-04445

View F



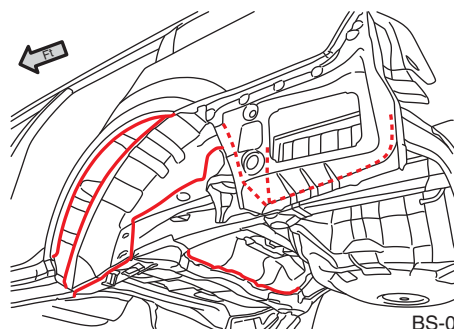
BS-04127

View G



BS-04128

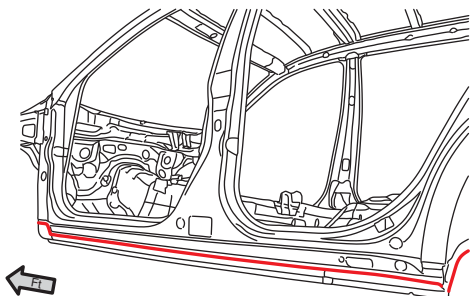
View H



BS-04129

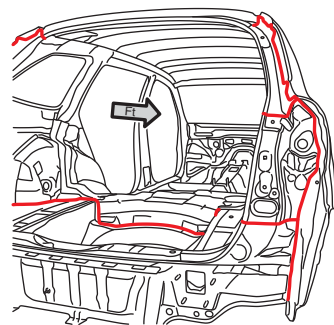
# Body Sealing

View I



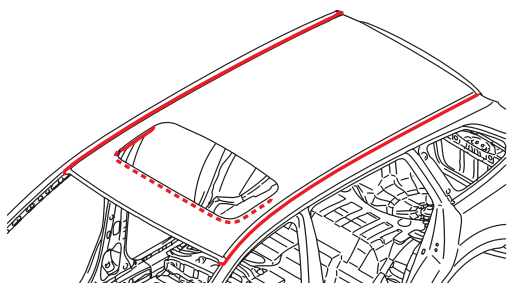
BS-04130

View J



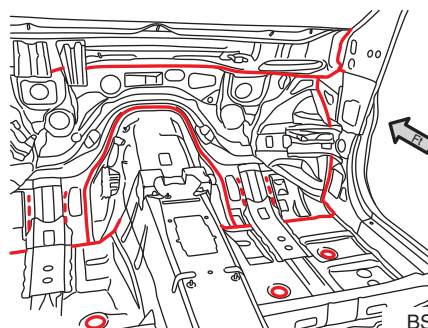
BS-04131

View K



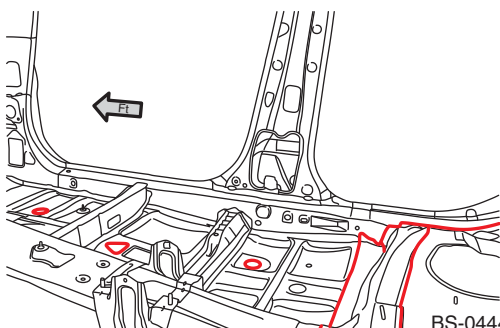
BS-04446

View L



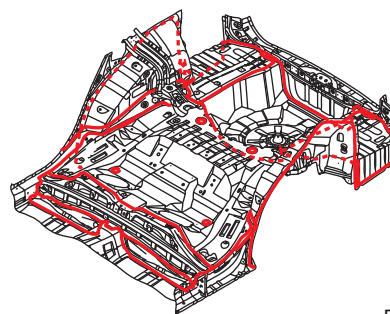
BS-04447

View M



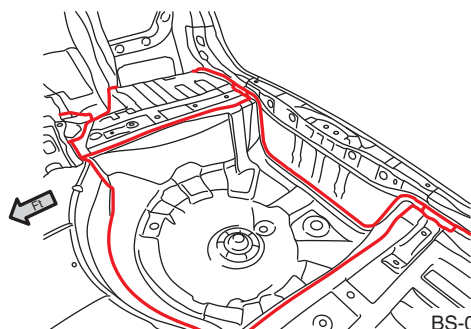
BS-04448

View N



BS-04449

View O

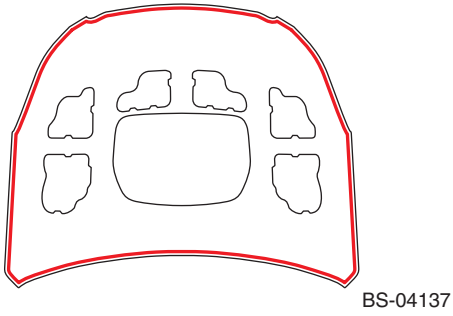


BS-04136

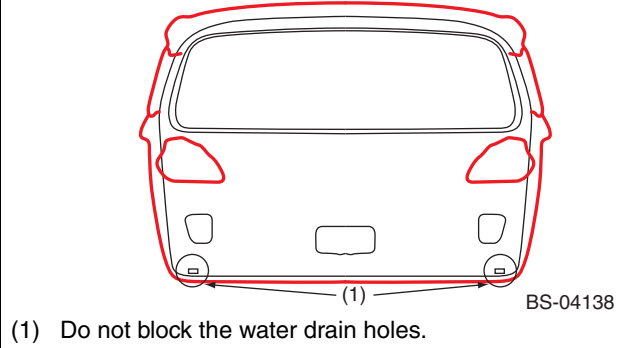
SUBARU.

# Body Sealing

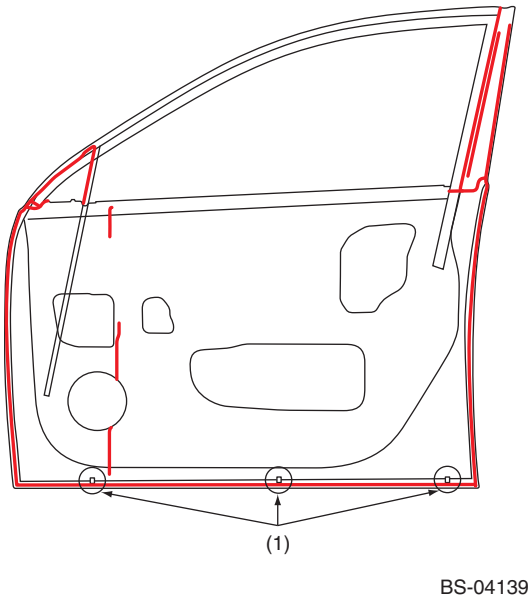
View P



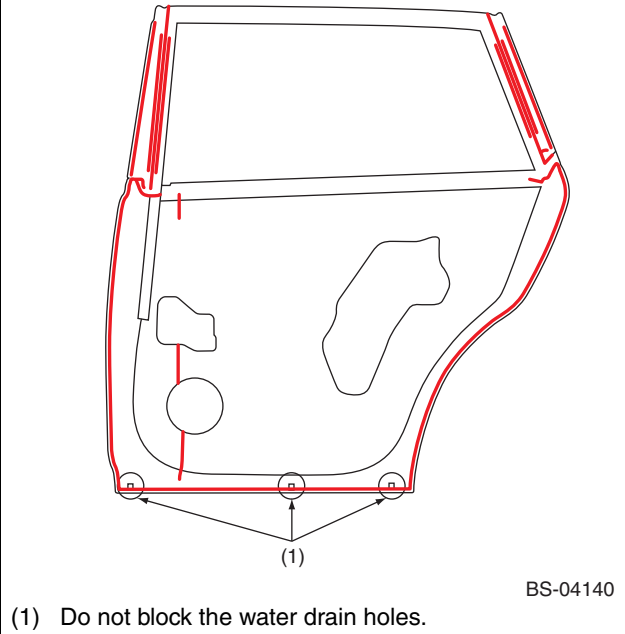
View Q



View R



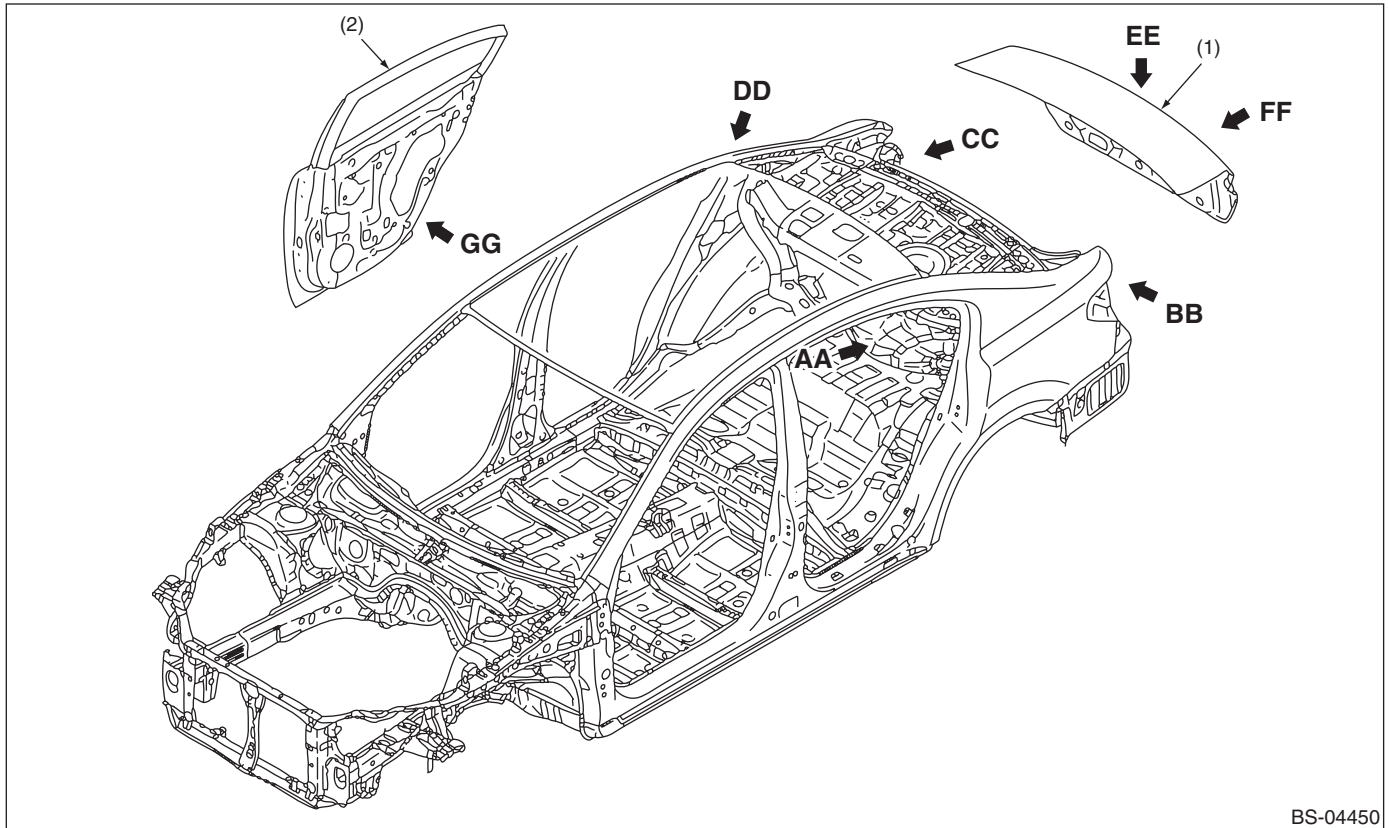
View S



**CAUTION:**  
Sealer already has been applied to hood, door and rear gate in replacement condition.

# Body Sealing

## 2. SPECIAL SEDAN PARTS



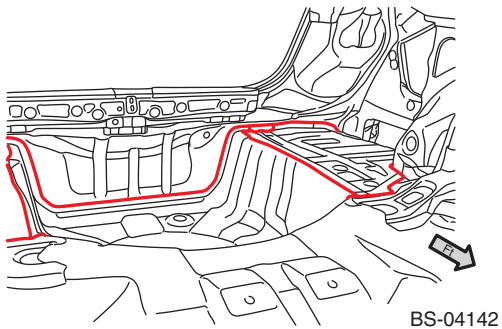
BS-04450

(1) Trunk

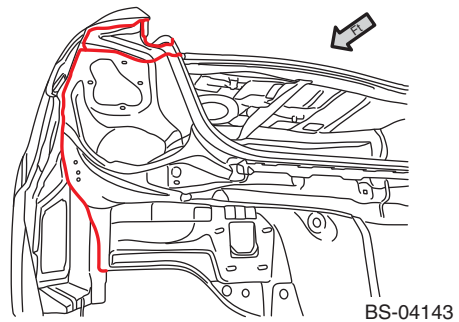
(2) Rear door

# Body Sealing

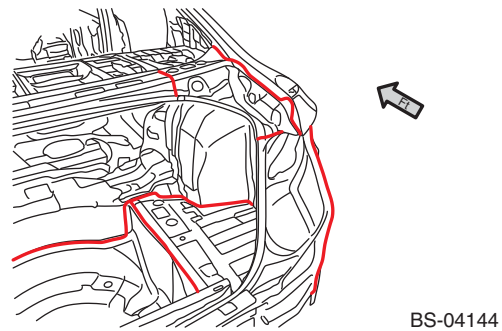
View AA



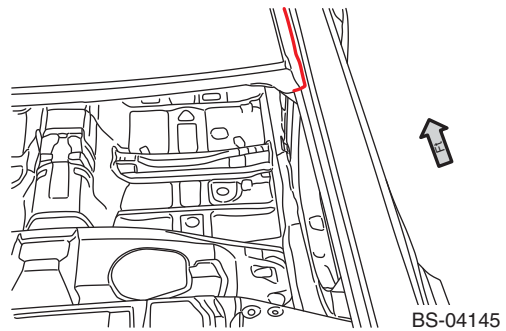
View BB



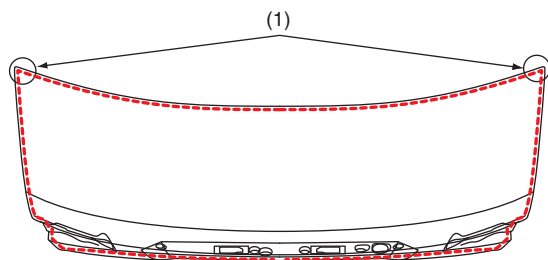
View CC



View DD

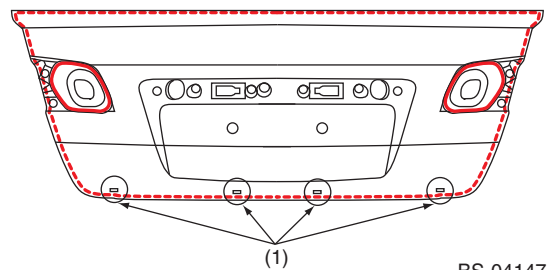


View EE



(1) The hole shall be blocked.

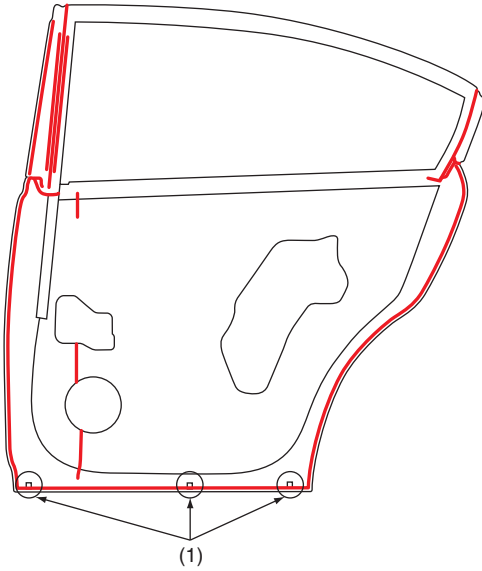
View FF



(1) Do not block the water drain holes.

## Body Sealing

View GG



BS-04148

(1) Do not block the water drain holes.

SUBARU.

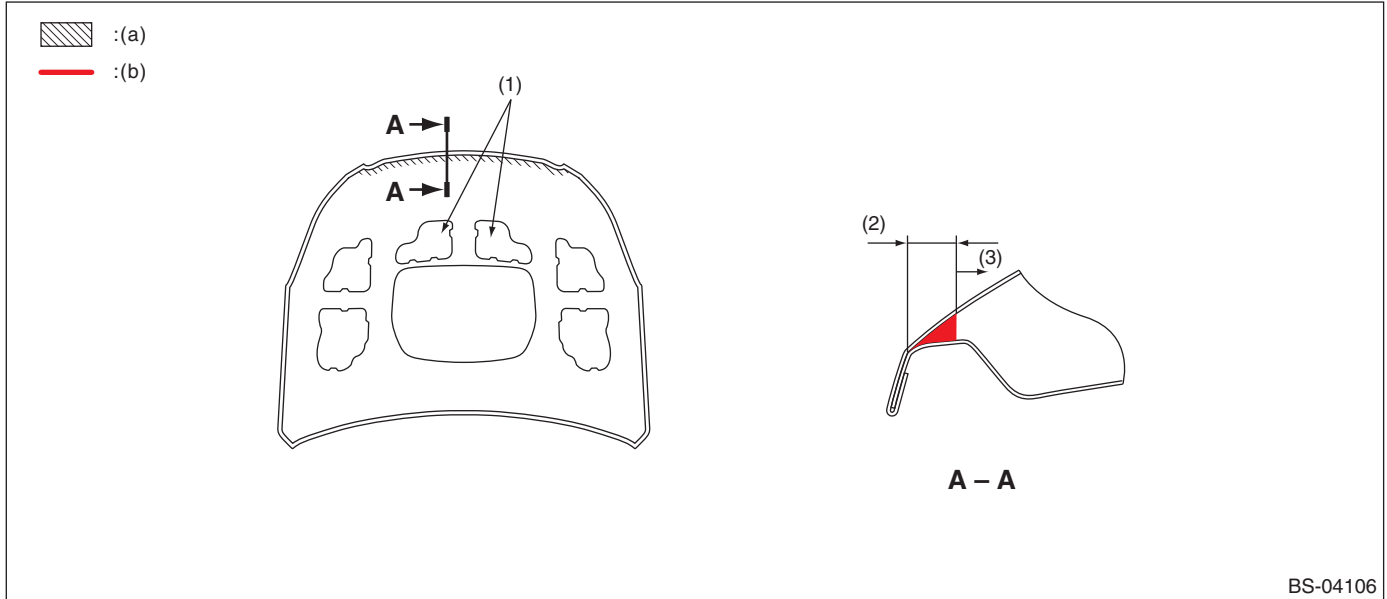
## 13. Anticorrosion Wax

### A: SPECIFICATIONS

Used material: **Rust-stop aerosol (K0877YA015)**

— and ▨ ▩ : Application area

- Front hood (Application thickness = 50 μm or more)



(a) Rust-stop aerosol

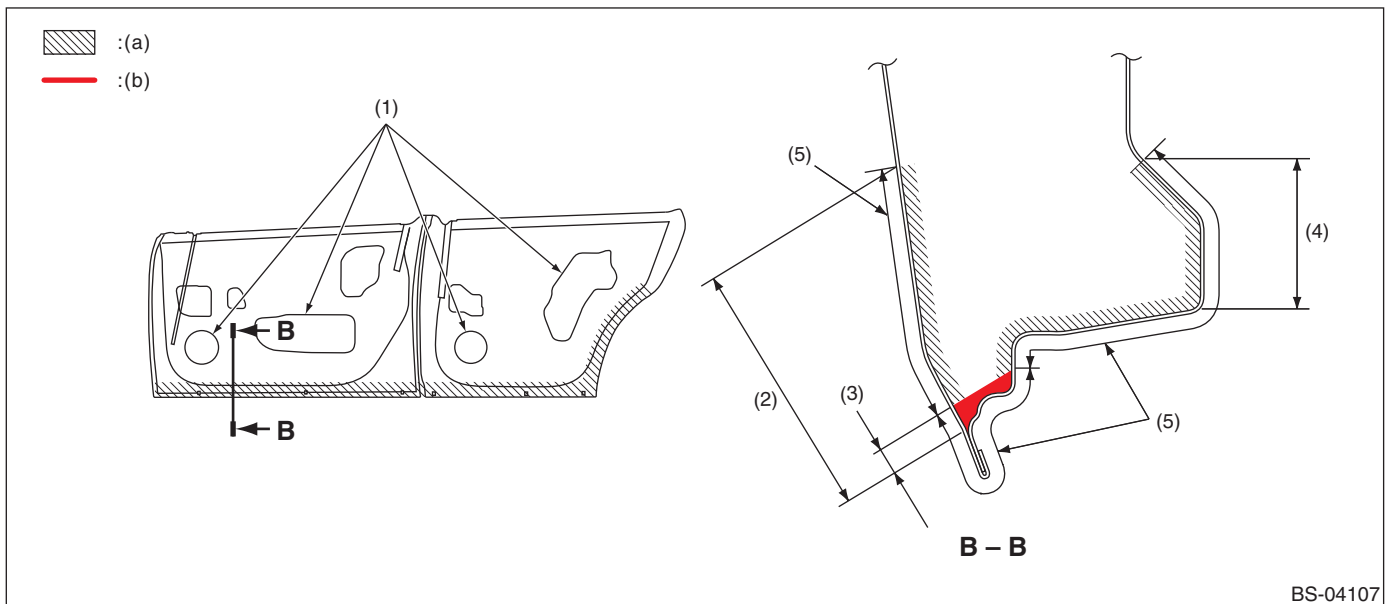
(b) To be filled into the plate joint.

(1) Wax application work openings

(2) 10 mm (0.39 in)

(3) Adherence of mist is allowable.

- Door (Application thickness = 50 μm or more)



(a) Rust-stop aerosol

(b) To be filled into the plate joint.

(1) Wax application work openings

(3) 10 mm (0.39 in)

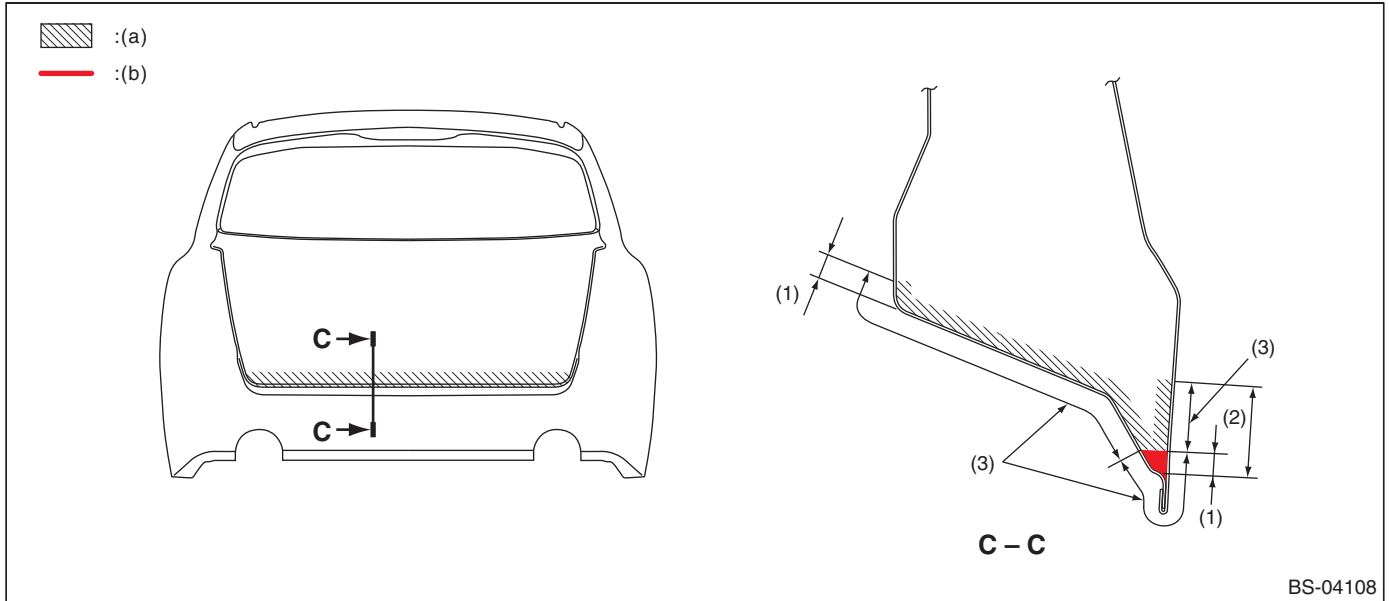
(5) Adherence of mist is allowable.

(2) 90 mm (3.54 in)

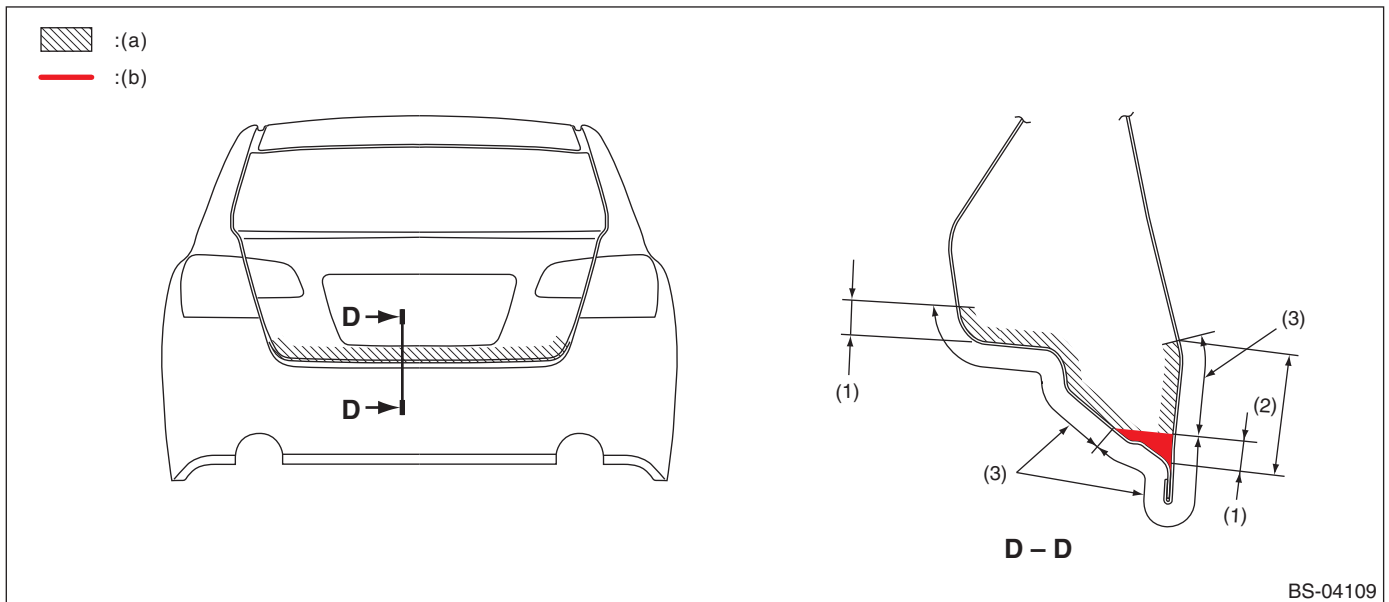
(4) 50 mm (1.97 in)

# Anticorrosion Wax

- Rear gate (Application thickness = 50  $\mu\text{m}$  or more)



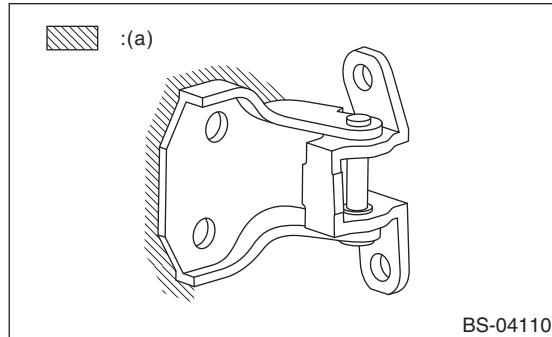
- Trunk lid (Application thickness = 50  $\mu\text{m}$  or more)



## Anticorrosion Wax

- Door hinge (Application thickness = 15  $\mu\text{m}$  or more)

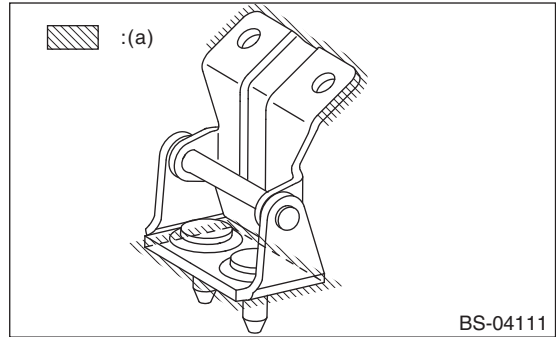
Apply to the contact surface (indicated range) on body side at two locations at the top and bottom (eight locations in all).



(a) Rust-stop aerosol

- Rear gate hinge (Application thickness = 15  $\mu\text{m}$  or more)

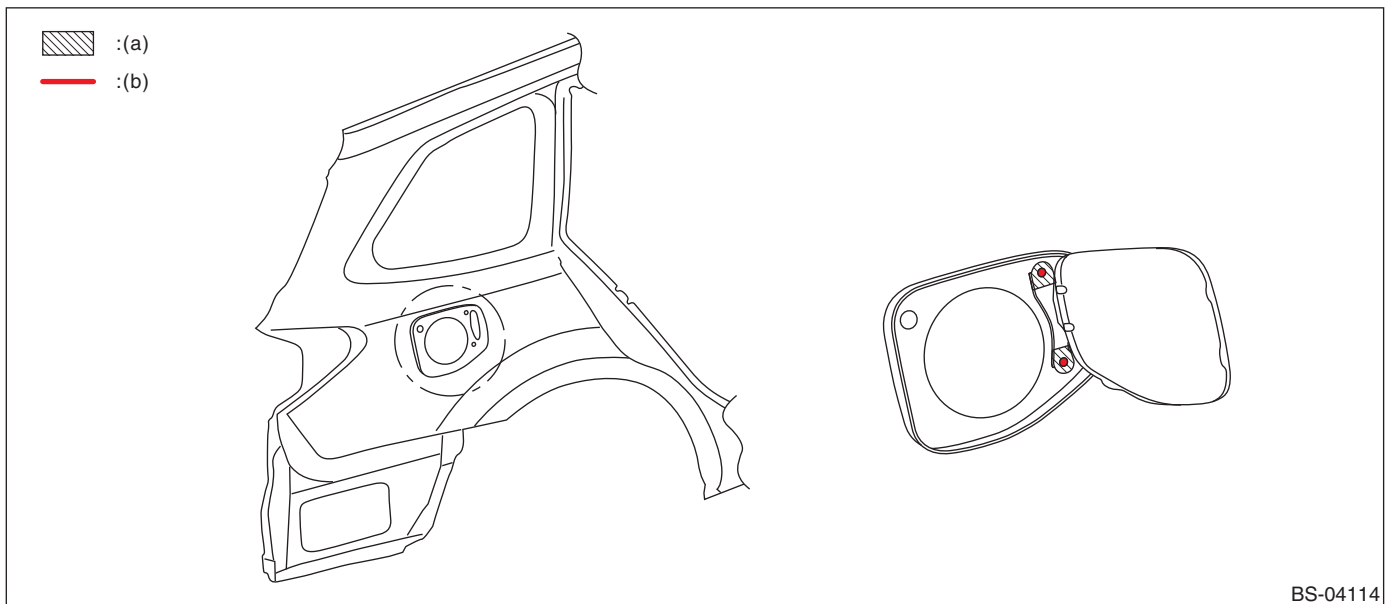
Apply to the contact surface on the body side at two locations on the left and right, and to installation outer circumference (indicated range) on the rear gate side.



(a) Rust-stop aerosol

- Fuel flap (Application thickness = 15  $\mu\text{m}$  or more)

Fill in to the fuel flap installation surface (indicated range) and the rivet fracture surface.

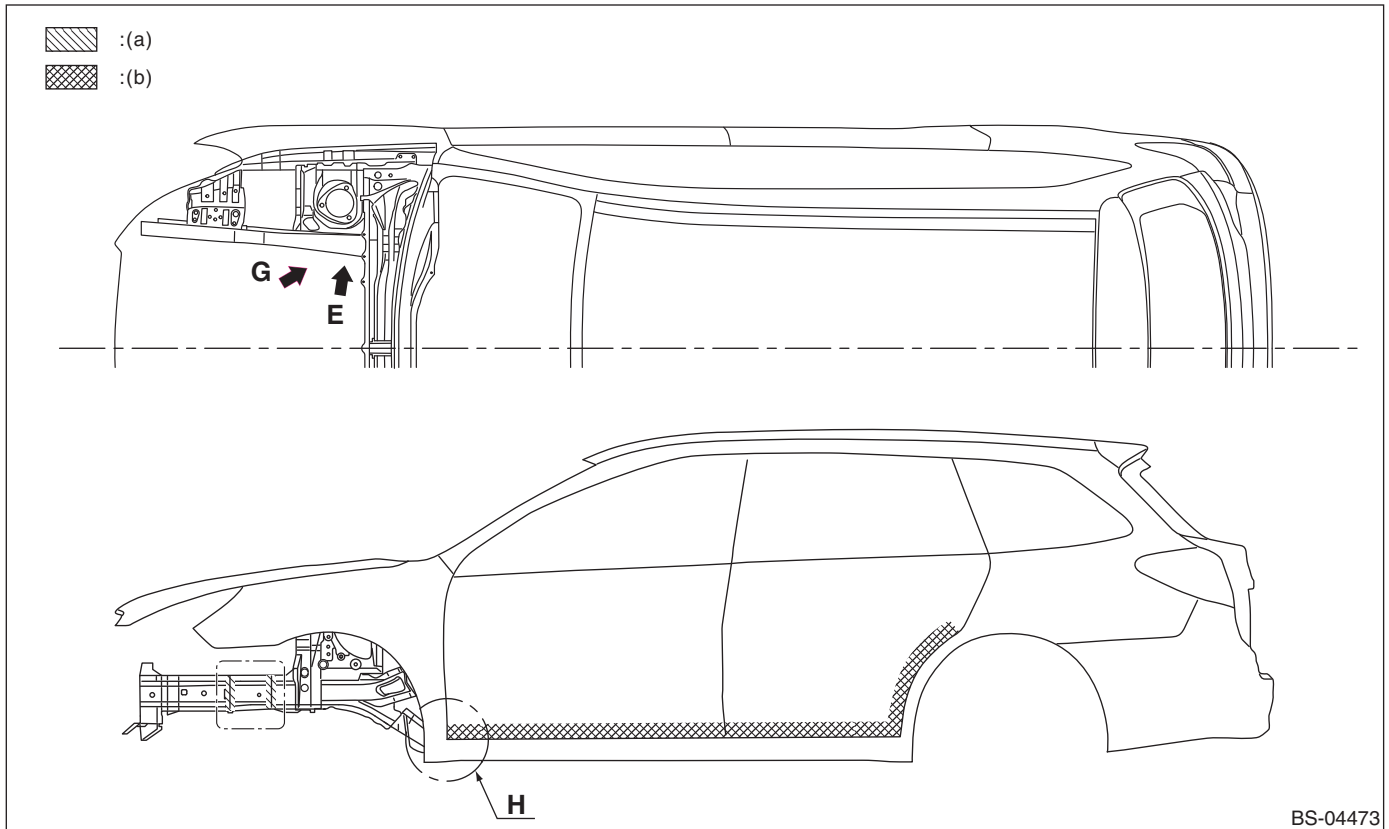


(a) Rust-stop aerosol

(b) Fracture surface

# Anticorrosion Wax

- Overall view



BS-04473

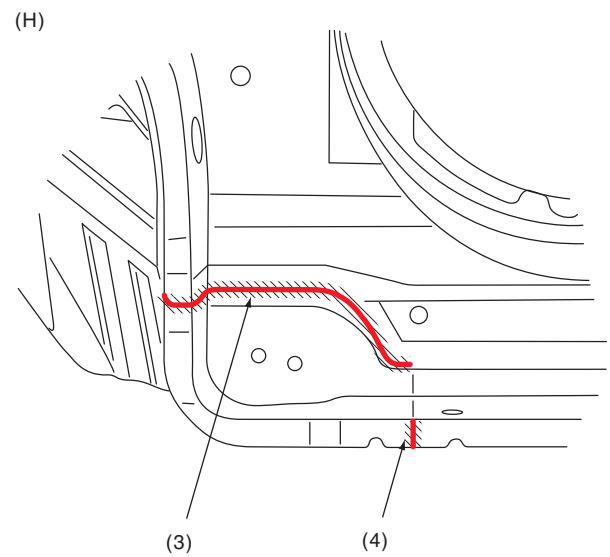
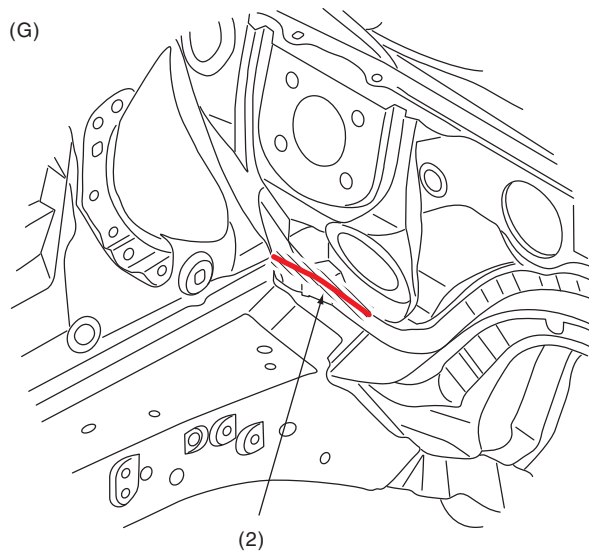
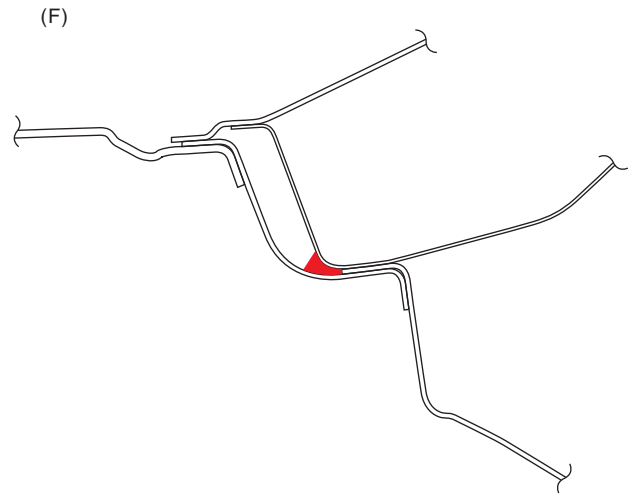
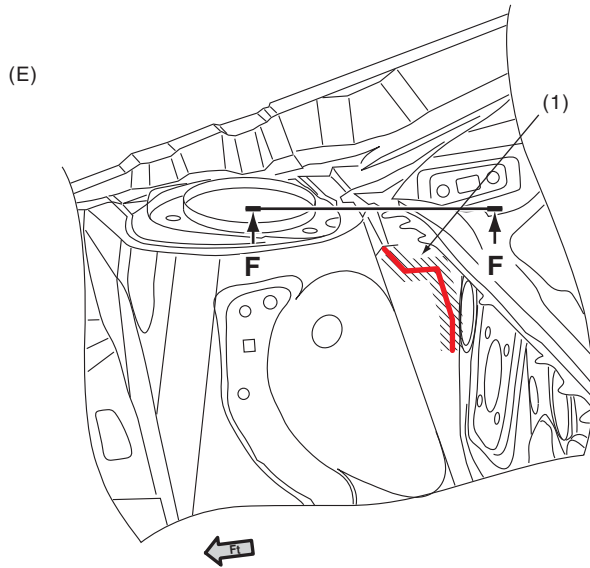
(a) Rust-stop aerosol (Application thickness = 15  $\mu\text{m}$  or more)

(b) Application of rust-stop aerosol to the inside. (Application thickness = 50  $\mu\text{m}$  or more)

# Anticorrosion Wax

- Views/Cross sections

▨ : (a)  
— : (b)

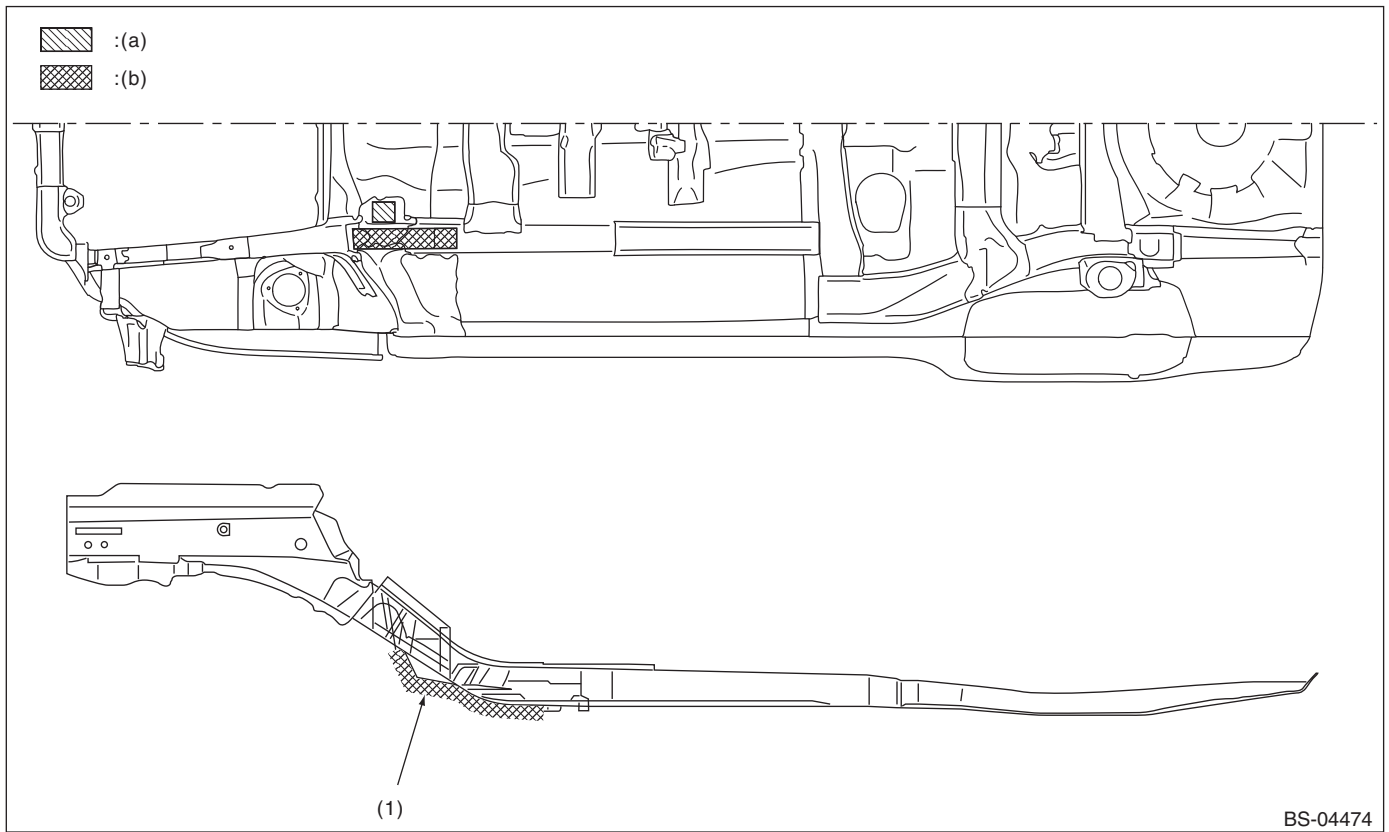


BS-04488

# Anticorrosion Wax

- |                                                                                                             |                                                                                                              |                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| (a) Rust-stop aerosol (Application thickness = 15 $\mu\text{m}$ or more)                                    | (b) To be filled into the plate joint.                                                                       |                                                                                                                                 |
| (E) View E                                                                                                  | (F) Cross section F — F                                                                                      | (G) View G                                                                                                                      |
| (H) Detail of part H                                                                                        |                                                                                                              |                                                                                                                                 |
| (1) Apply without fail to the contact surface among front bulkhead, toe board and front suspension bracket. | (3) Apply without fail to the contact surface between side panel outer and front pillar reinforcement outer. | (4) Apply without fail to the contact surface between front side sill reinforcement outer and front pillar reinforcement outer. |
| (2) Apply without fail to the contact surface between toe board center crossmember and toe board.           |                                                                                                              |                                                                                                                                 |

## • Bottom view



BS-04474

- |                                                                          |                                                                           |
|--------------------------------------------------------------------------|---------------------------------------------------------------------------|
| (a) Rust-stop aerosol (Application thickness = 50 $\mu\text{m}$ or more) | (b) Rust-stop aerosol (Application thickness = 150 $\mu\text{m}$ or more) |
| (1) No adhesion is allowed on bush of transverse link.                   |                                                                           |

## 14.Undercoat

### A: SPECIFICATIONS

Repair material: THREE BOND 6115

#### CAUTION:

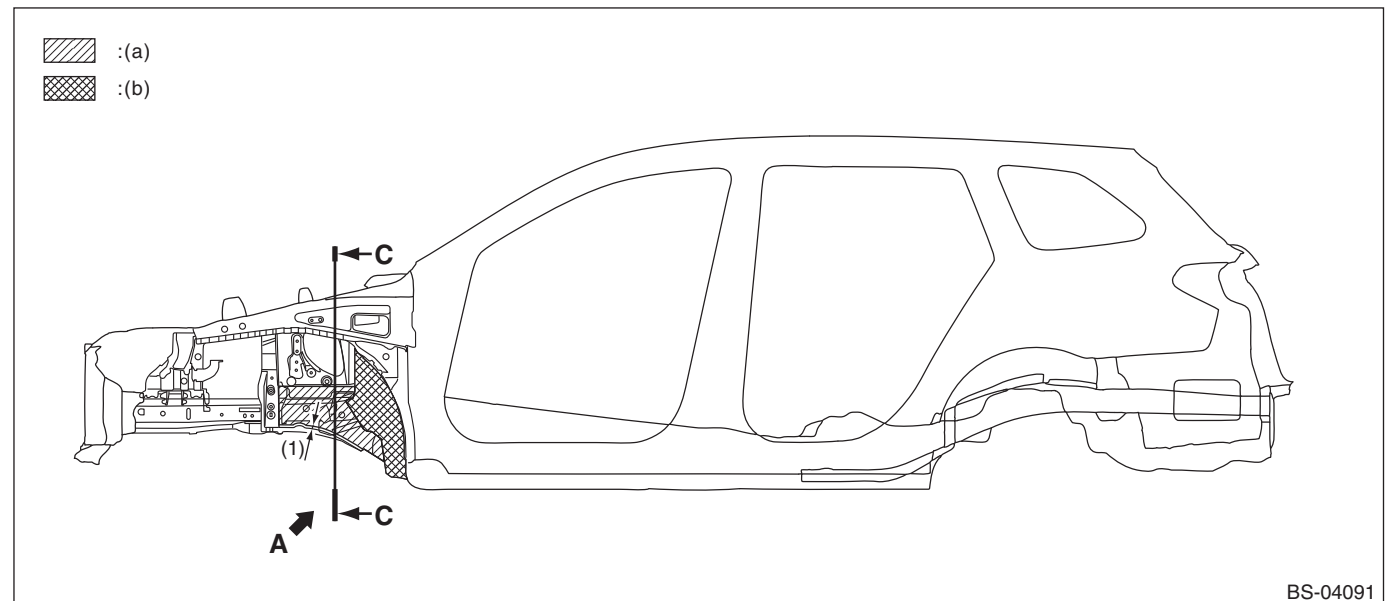
Perform masking so that under the coat will not become attached to locations other than shown and to the following locations.

- High-temperature parts related to the exhaust pipe
- Hoses, tubes and harness parts
- Installation surfaces of rear suspension, transmission, subframe, mud guard etc.

#### 1) Application area and application thickness

|                                                                                   |                                |
|-----------------------------------------------------------------------------------|--------------------------------|
|  | 200 μm or more                 |
|  | 300 μm or more                 |
|  | 600 μm or more                 |
|  | The panel gap shall be filled. |

- Side view



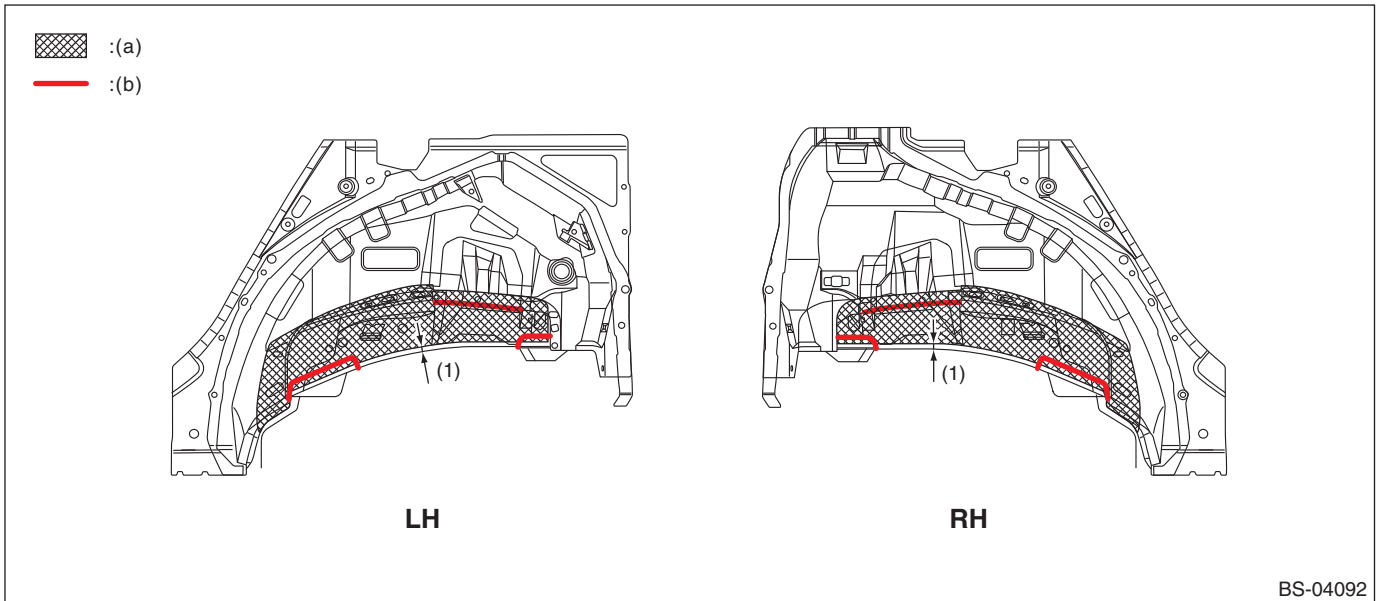
(a) 300 μm or more

(b) 600 μm or more

(1) 5 mm (0.20 in) (Adherence of mist is allowable.)

# Undercoat

- Rear wheel apron side view



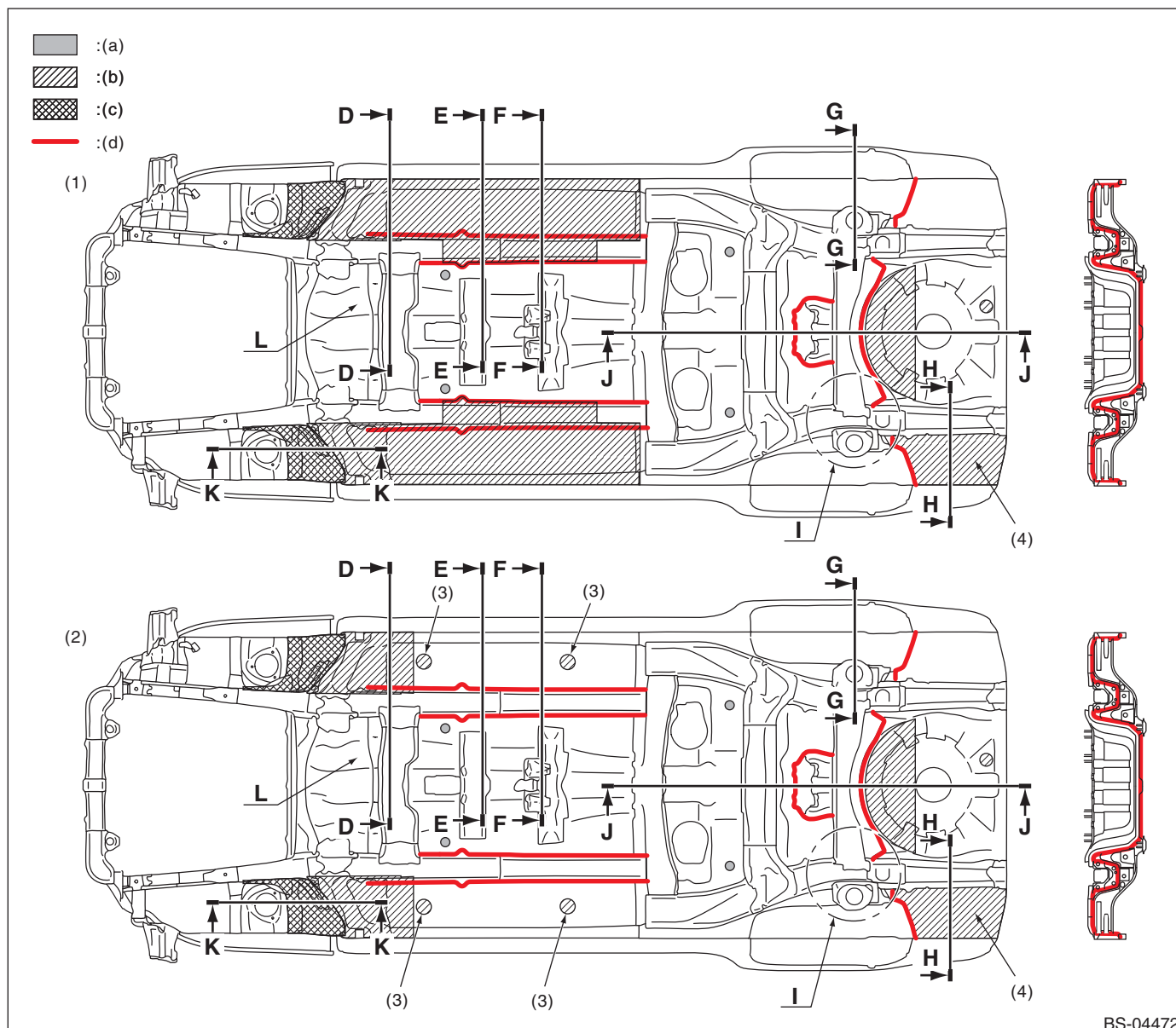
(a) 600  $\mu\text{m}$  or more

(b) The panel gap shall be filled.

(1) 10 mm (0.39 in) (Adherence of mist is allowable.)

# Undercoat

## • Bottom view/rear view



(a) 200  $\mu\text{m}$  or more

(b) 300  $\mu\text{m}$  or more

(c) 600  $\mu\text{m}$  or more

(d) The panel gap shall be filled.

(1) Model without under cover

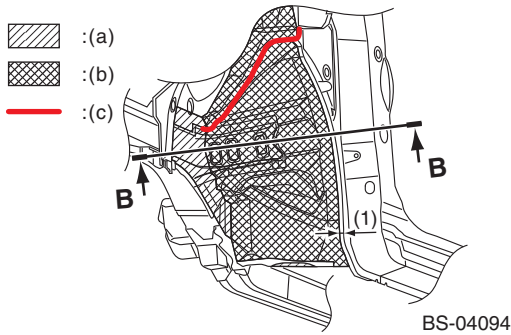
(3) Plug must be covered with under-coat.

(4) Single muffler model only

(2) Model with under cover

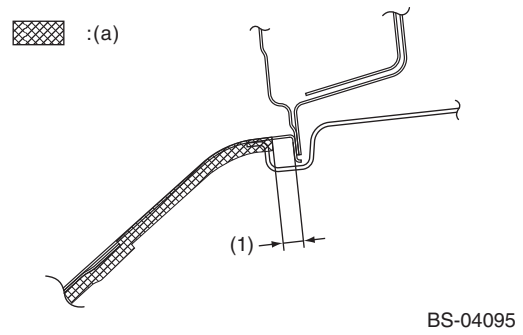
# Undercoat

View A



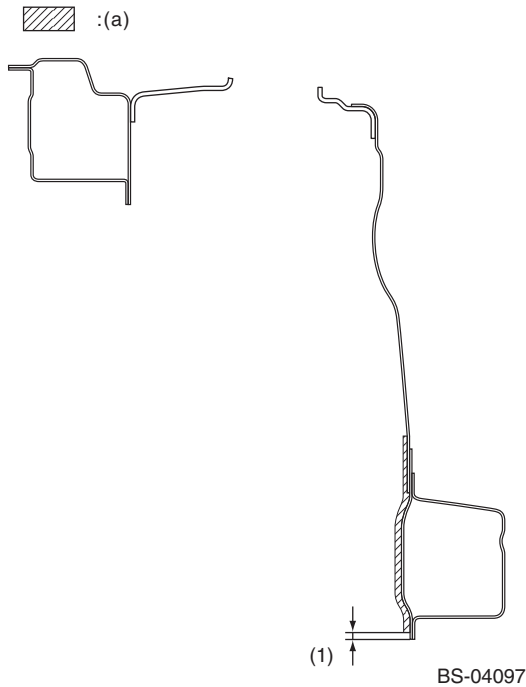
- (a) 300 μm or more  
(b) 600 μm or more  
(c) The panel gap shall be filled.  
(1) 18 mm (0.71 in) (Adherence of mist is allowable.)

Cross section B — B



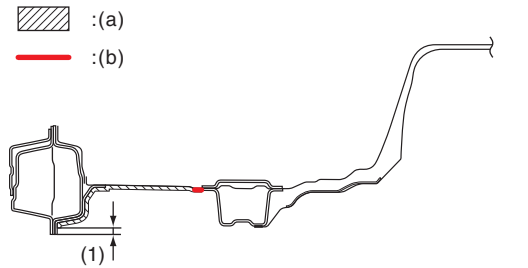
- (a) 600 μm or more  
(1) 18 mm (0.71 in) (Adherence of mist is allowable.)

Cross section C — C



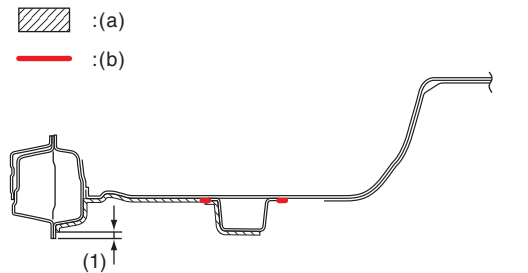
- (a) 300 μm or more  
(1) 5 mm (0.20 in) (Adherence of mist is allowable.)

Cross section D — D



- (a) 300 μm or more  
(b) The panel gap shall be filled.  
(1) 5 mm (0.20 in) (Adherence of mist is allowable.)

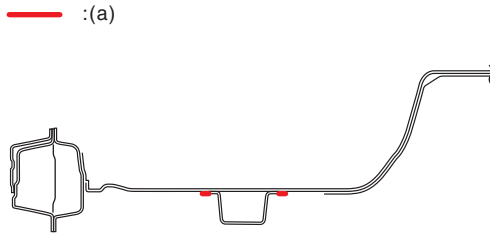
Cross section E — E (model without under cover)



- (a) 300 μm or more  
(b) The panel gap shall be filled.  
(1) 5 mm (0.20 in) (Adherence of mist is allowable.)

# Undercoat

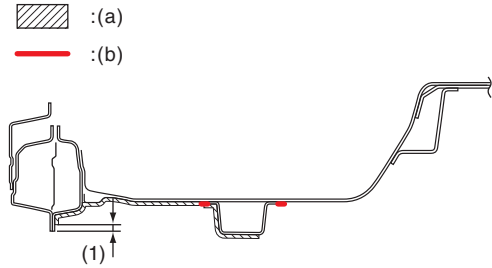
**Cross section E — E (model with under cover)**



BS-04589

(a) The panel gap shall be filled.

**Cross section F — F (model without under cover)**



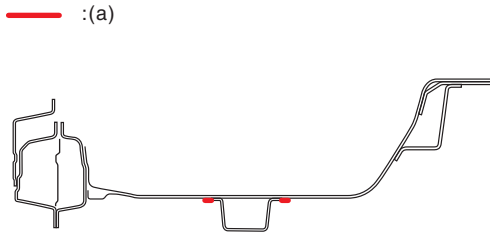
BS-04590

(a) 300  $\mu\text{m}$  or more

(b) The panel gap shall be filled.

(1) 5 mm (0.20 in) (Adherence of mist is allowable.)

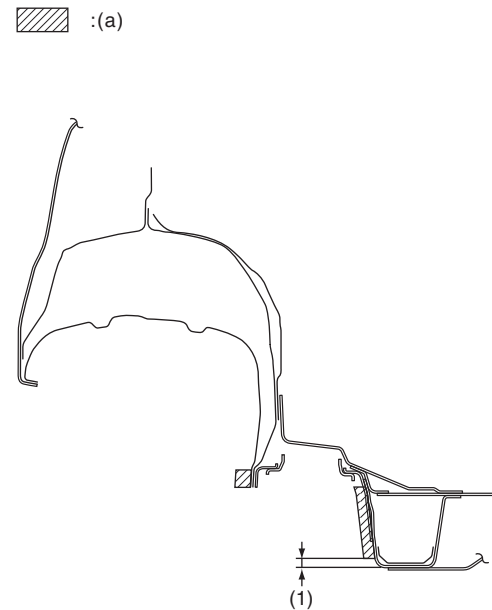
**Cross section F — F (model with under cover)**



BS-04591

(a) The panel gap shall be filled.

**Cross section G — G**

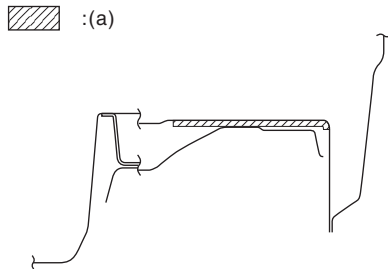


BS-04102

(a) 300  $\mu\text{m}$  or more

(1) 10 mm (0.39 in) (Adherence of mist is allowable.)

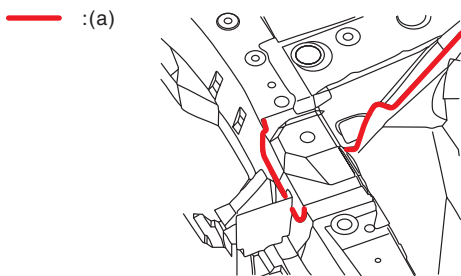
**Cross section H — H**



BS-04103

(a) 300  $\mu\text{m}$  or more

**Detail of part I**



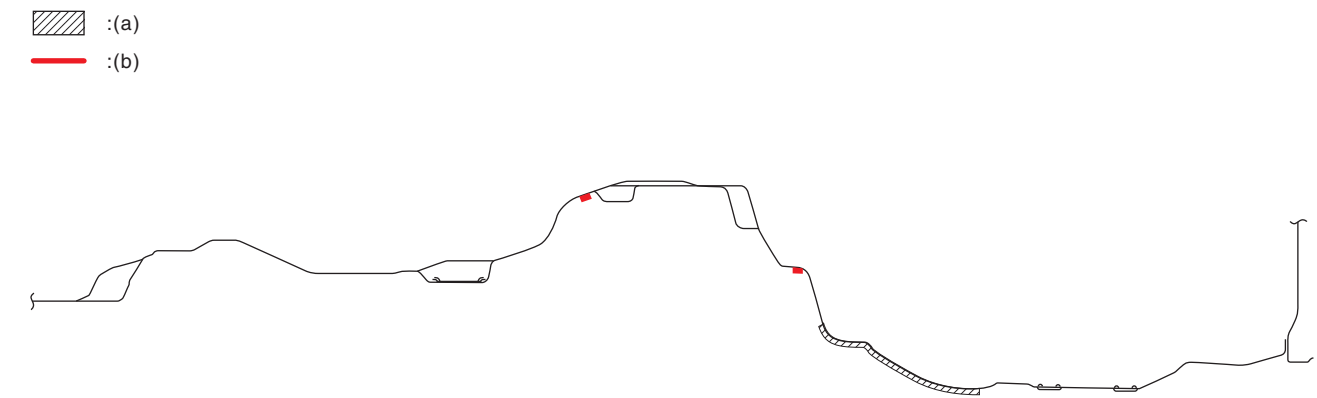
BS-04096

(a) The panel gap shall be filled.

SUBARU.

# Undercoat

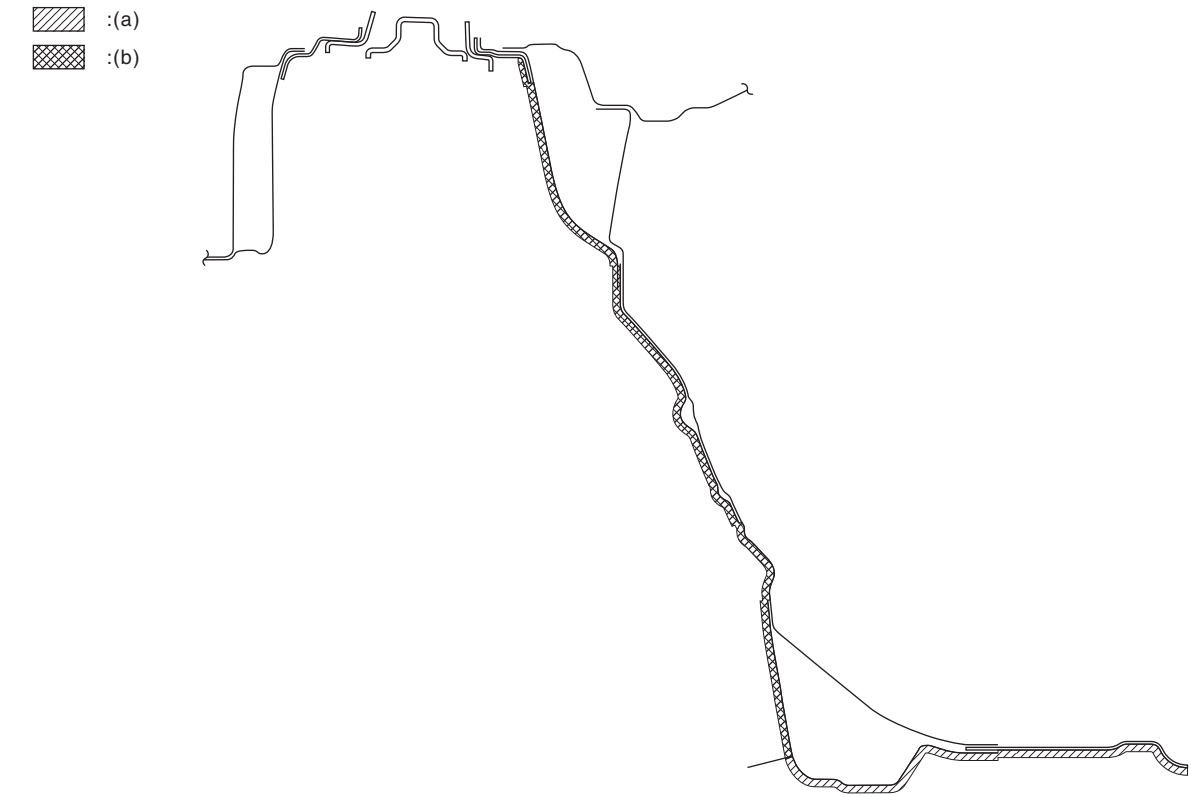
Cross section J — J



BS-04490

- (a) 300  $\mu\text{m}$  or more
- (b) The panel gap shall be filled.

Cross section K — K



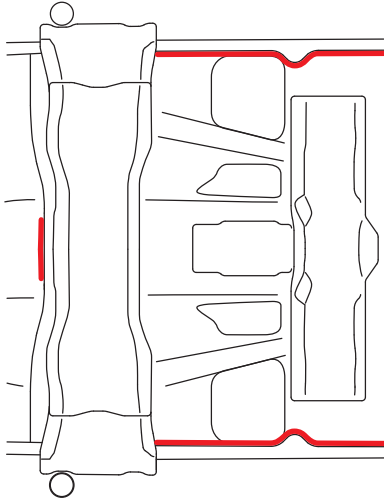
BS-04491

- (a) 300  $\mu\text{m}$  or more
- (b) 600  $\mu\text{m}$  or more

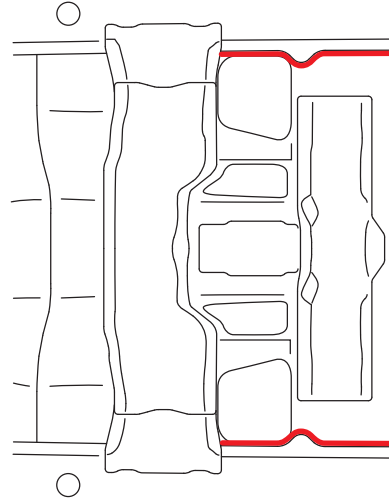
# Undercoat

## Detail of part L

— : (a)



(1)



(2)

(a) The panel gap shall be filled. (model without under cover only)

BS-04492

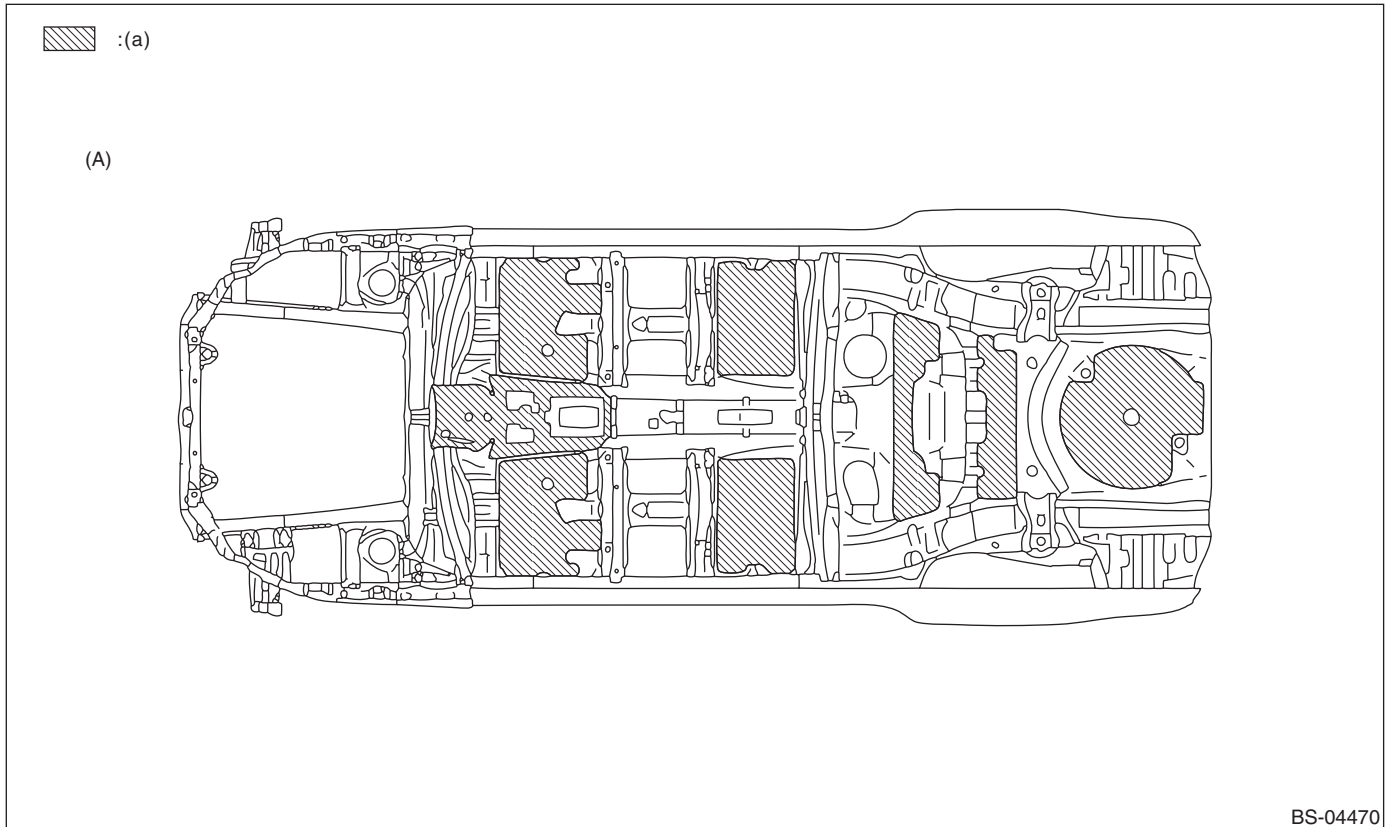
- (1) MT model
- (2) CVT & AT model

# Damping Seat

## 15.Damping Seat

### A: SPECIFICATIONS

#### 1. COMMON FOR OUTBACK AND SEDAN

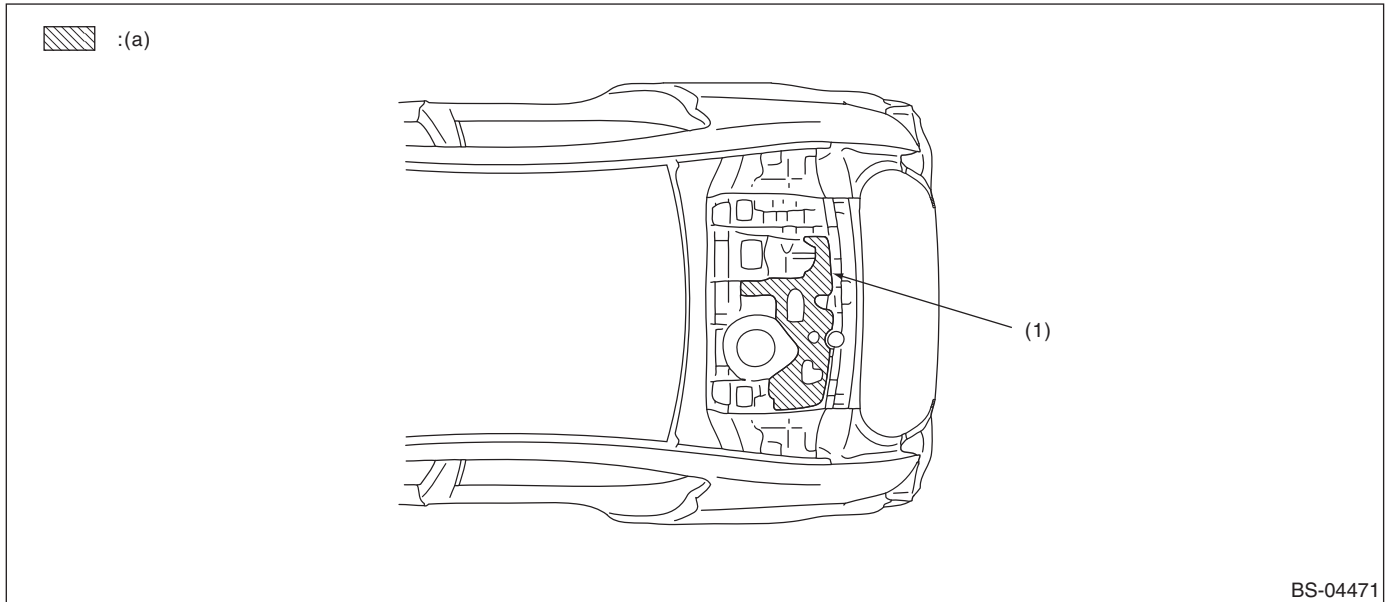


(a) Damping seat

(A) Upper view

# Damping Seat

## 2. SPECIAL FOR SEDAN



(a) Damping seat

(1) Model with Harman audio system  
only

BS-04471

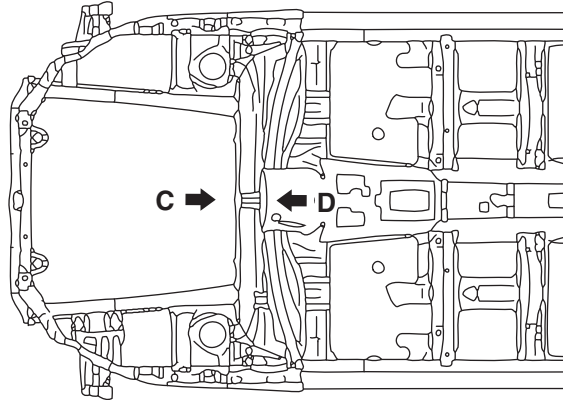
## 16. Insulator

### A: SPECIFICATIONS

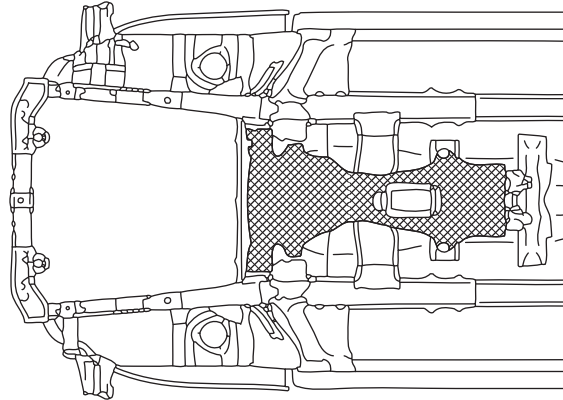
#### 1. COMMON FOR OUTBACK AND SEDAN

 : (a)

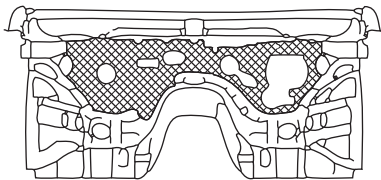
(A)



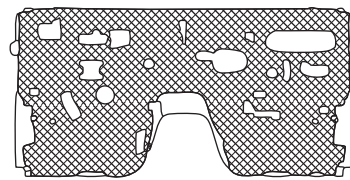
(B)



(C)



(D)



- (B) The bottom view applies only to the CVT model.

# Insulator

---

(a) Insulator

(A) Upper view

(B) Bottom view

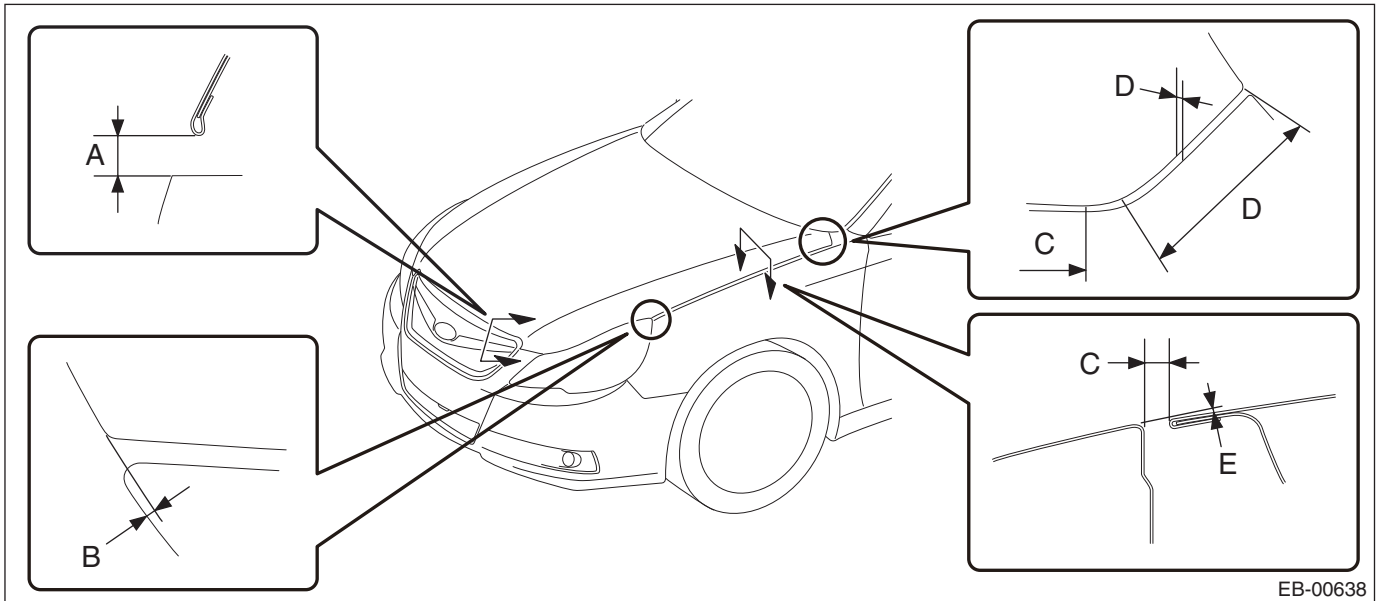
(C) View C

(D) View D

## 17. Gauge Values for Fitting

### A: DIMENSIONS

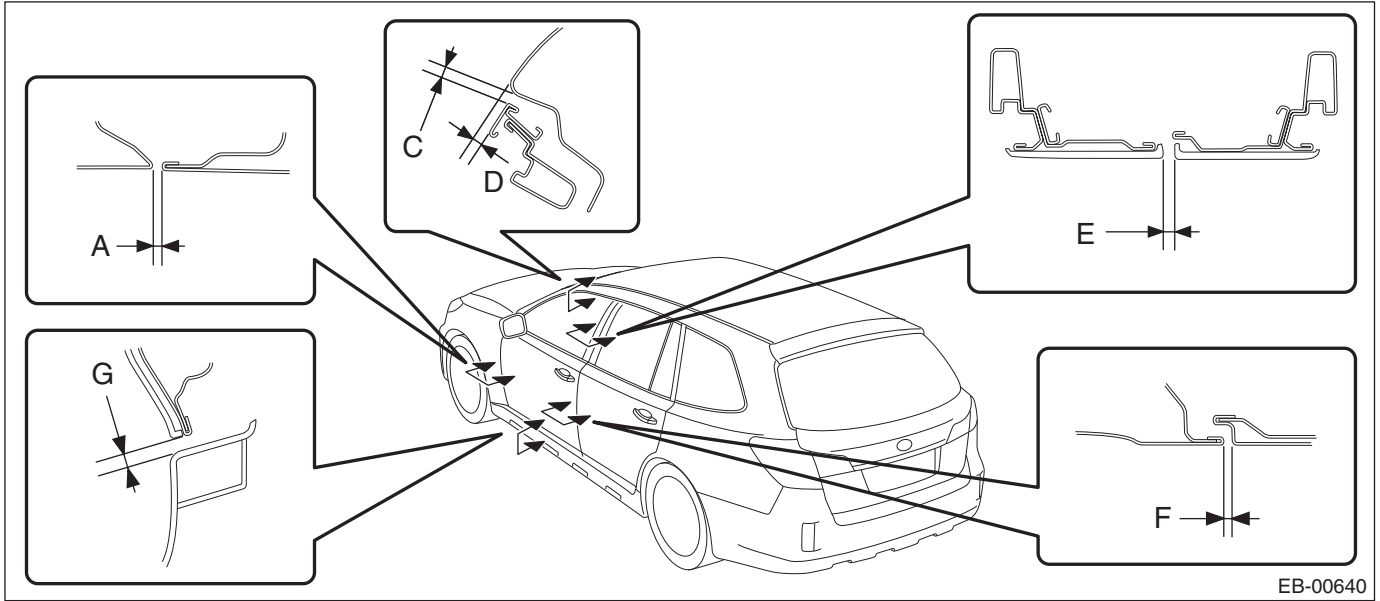
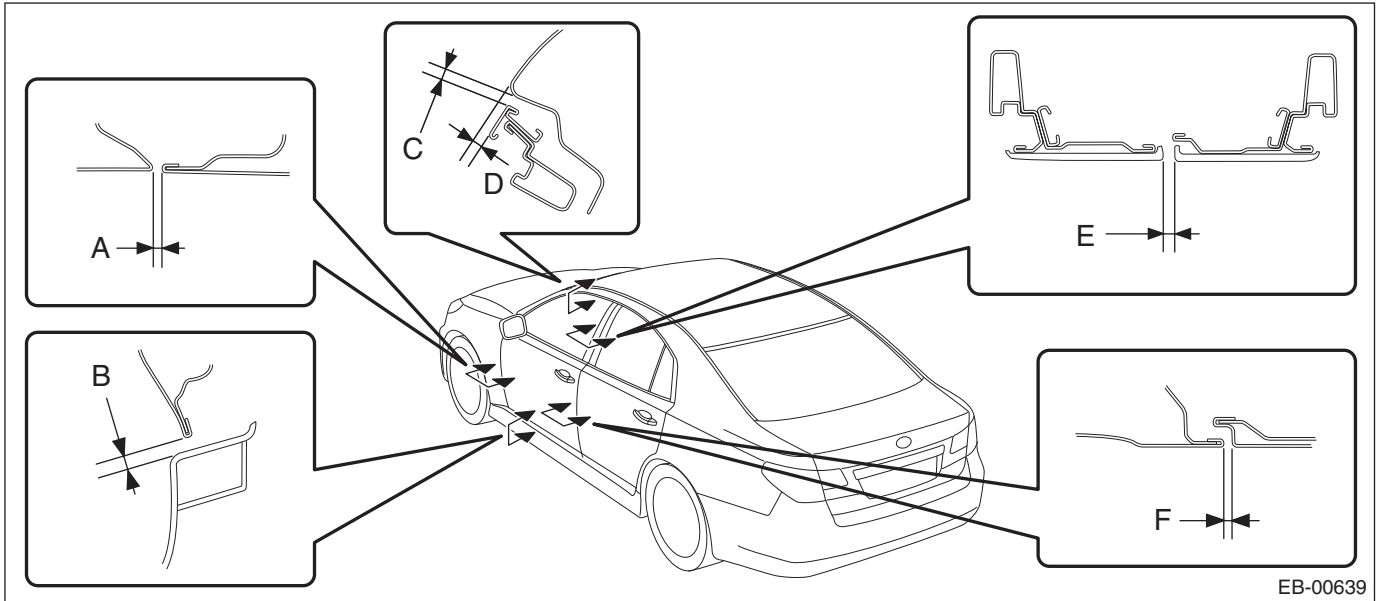
#### 1. FRONT HOOD



| Part |                                                                                       | Standard                                        |
|------|---------------------------------------------------------------------------------------|-------------------------------------------------|
| A    | Front hood panel to front bumper                                                      | $6.0 \pm 1.0$ mm ( $0.24 \pm 0.04$ in)          |
| B    | Offset value between front hood panel and front fender panel tip                      | $0 + 0.5, -1.0$ mm ( $0 + 0.02, -0.04$ in)      |
| C    | Front hood panel to Front fender panel (from front end to just before curved portion) | $3.5 \pm 1.0$ mm ( $0.14 \pm 0.04$ in)          |
| D    | Front hood panel to Front fender panel (from rear end to just before curved portion)  | $4.1 \pm 1.0$ mm ( $0.16 \pm 0.04$ in)          |
| E    | Surface level gap between front hood panel and front fender panel                     | $0.5 + 0.5, -1.0$ mm ( $0.02 + 0.02, -0.04$ in) |

## Gauge Values for Fitting

### 2. FRONT DOOR

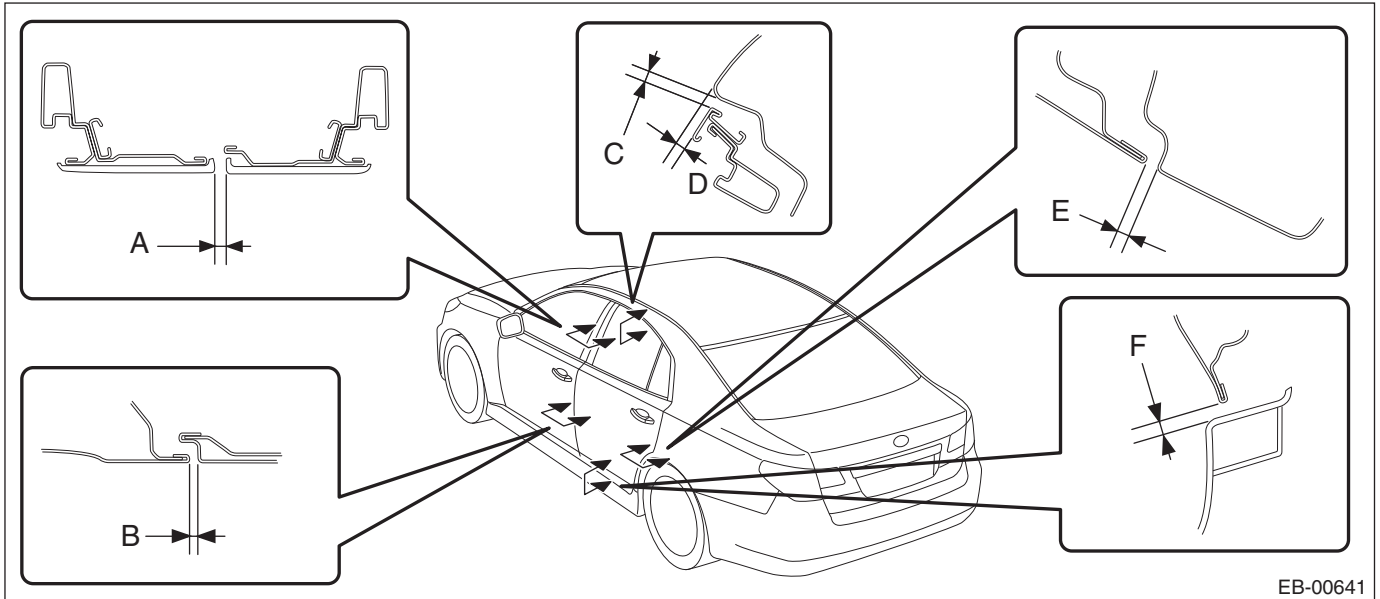


| Part |                                                          | Standard                               |
|------|----------------------------------------------------------|----------------------------------------|
| A    | Front fender panel to Front door panel                   | $4.6 \pm 1.0$ mm ( $0.18 \pm 0.04$ in) |
| B    | Front door panel to Side sill garnish (Sedan model)      | $5.7 \pm 1.0$ mm ( $0.22 \pm 0.04$ in) |
| C    | Roof panel to Front door sash                            | $5.0 \pm 1.0$ mm ( $0.20 \pm 0.04$ in) |
| D    | Surface level gap between roof panel and front door sash | $3.5 \pm 1.0$ mm ( $0.14 \pm 0.04$ in) |
| E    | Front door sash to Rear door sash                        | $5.5 \pm 1.0$ mm ( $0.22 \pm 0.04$ in) |
| F    | Front door panel to Rear door panel                      | $4.6 \pm 1.0$ mm ( $0.18 \pm 0.04$ in) |
| G    | Front door garnish to Side sill garnish (OUTBACK model)  | $4.1 \pm 1.0$ mm ( $0.16 \pm 0.04$ in) |

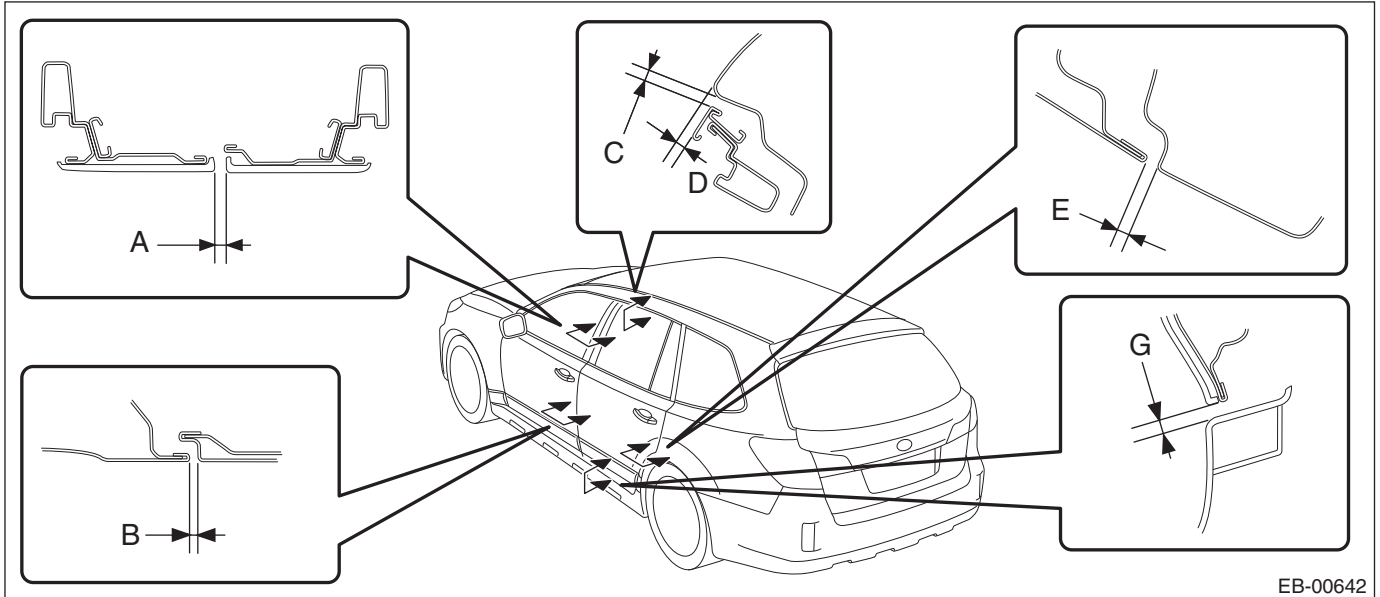
NOTE:  
Common to sedan and OUTBACK models

## Gauge Values for Fitting

### 3. REAR DOOR



EB-00641

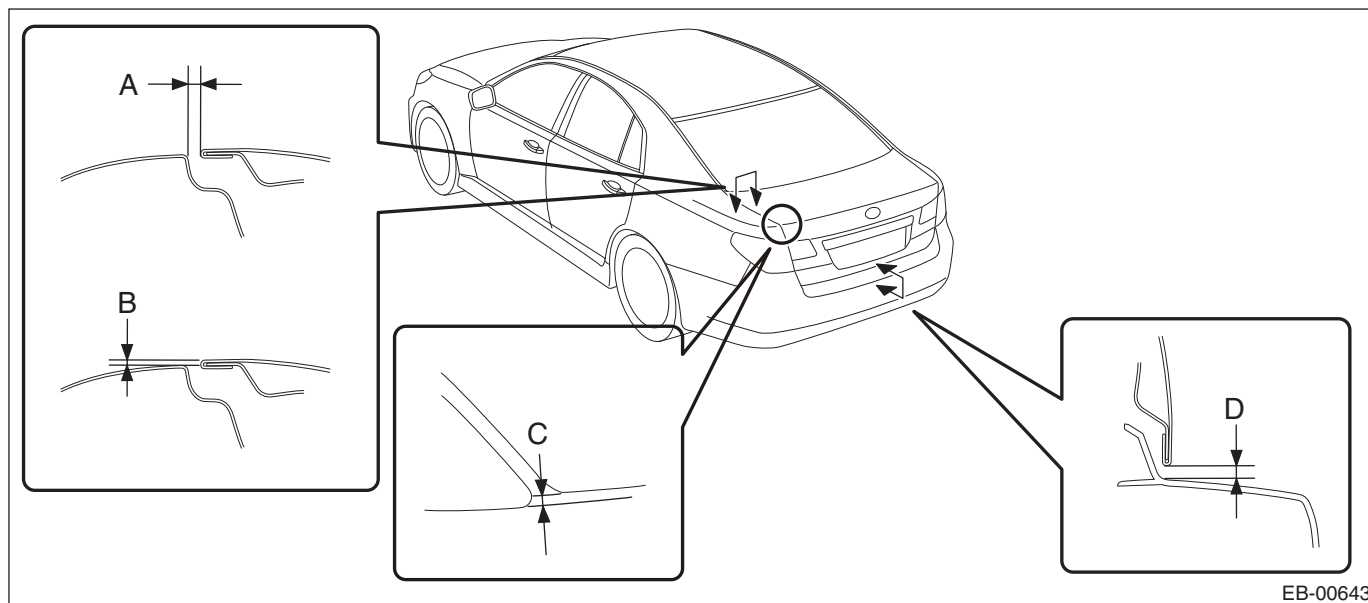


EB-00642

| Part |                                                         | Standard                  |
|------|---------------------------------------------------------|---------------------------|
| A    | Front door sash to Rear door sash                       | 5.5±1.0 mm (0.22±0.04 in) |
| B    | Front door panel to Rear door panel                     | 4.6±1.0 mm (0.18±0.04 in) |
| C    | Roof panel to Rear door sash                            | 5.0±1.0 mm (0.20±0.04 in) |
| D    | Surface level gap between roof panel and rear door sash | 3.5±1.0 mm (0.14±0.04 in) |
| E    | Rear door panel to Rear quarter panel                   | 4.0±1.0 mm (0.16±0.04 in) |
| F    | Rear door panel to Side sill garnish (Sedan model)      | 5.7±1.0 mm (0.22±0.04 in) |
| G    | Rear door garnish to Side sill garnish (OUTBACK model)  | 4.1±1.0 mm (0.16±0.04 in) |

## Gauge Values for Fitting

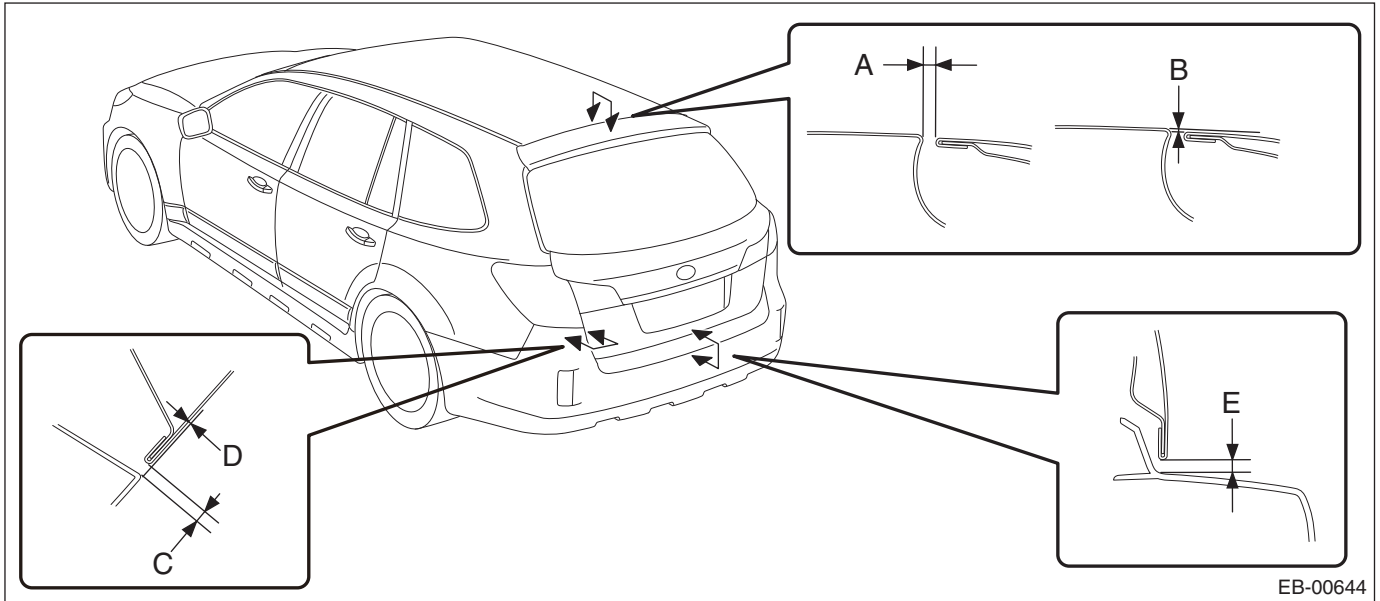
### 4. TRUNK LID



| Part |                                                                         | Standard                             |
|------|-------------------------------------------------------------------------|--------------------------------------|
| A    | Trunk lid panel to Rear quarter panel                                   | 3.5±1.0 mm (0.14±0.04 in)            |
| B    | Surface level gap between trunk lid panel and rear quarter panel        | -0.5+1.0, -0.5 mm (0+0.04, -0.02 in) |
| C    | Offset value between trunk lid panel and rear end of rear quarter panel | -0.5±0.7 mm (0.02±0.03 in)           |
| D    | Trunk lid panel to Rear bumper                                          | 7.0±1.5 mm (0.28±0.06 in)            |

## Gauge Values for Fitting

### 5. REAR GATE



| Part |                                                           | Standard                                 |
|------|-----------------------------------------------------------|------------------------------------------|
| A    | Rear gate panel to Roof panel                             | $6.6+1.0, -0.5$ mm ( $0+0.26, -0.02$ in) |
| B    | Surface level gap between rear gate panel and roof panel  | $1.0\pm 1.0$ mm ( $0.04\pm 0.04$ in)     |
| C    | Rear gate panel to Rear bumper                            | $5.0\pm 1.0$ mm ( $0.20\pm 0.04$ in)     |
| D    | Surface level gap between rear gate panel and rear bumper | $0.4\pm 1.0$ mm ( $0.02\pm 0.04$ in)     |
| E    | Rear gate panel to Rear bumper                            | $8.0\pm 1.5$ mm ( $0.31\pm 0.06$ in)     |

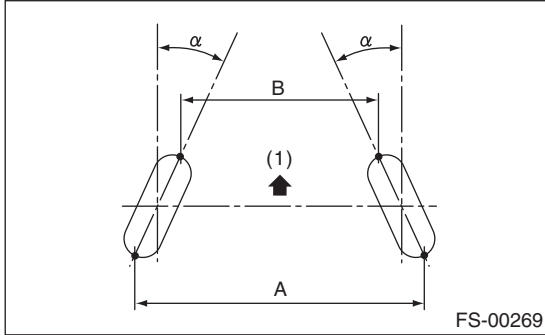
# Wheel Alignment Standard Values

## 18.Wheel Alignment Standard Values

### A: NOTE

NOTE:

- Front and rear toe-in and front camber can be adjusted. Adjust if the toe-in or camber tolerance exceeds specifications.
- For other items indicated in the specifications table, there is no adjustment mechanism. If other items exceed specifications, check the suspension parts and connections for deformation, and replace the parts if defective.



(1) Front

A – B = Positive: Toe-in, Negative: Toe-out

$\alpha$  = Individual toe angles

### B: SPECIFICATION

| Tire size |                                                                                   |             | P205/60R16<br>P215/50R17                                                             | P225/50R17<br>225/45R18 | P225/60R17<br>P215/70R16 |
|-----------|-----------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------|-------------------------|--------------------------|
| Front     | Wheel arch height<br>(Tolerance: +12 mm –24 mm (+0.47 in –0.94 in )) mm (in)      |             | 403 (15.9)                                                                           | 395 (15.6)              | 469 (18.5)               |
|           | Camber (Tolerance: $\pm 0^{\circ}45'$ Differences between RH and LH: 45' or less) |             | $-0^{\circ}30'$                                                                      | $-0^{\circ}15'$         | $0^{\circ}00'$           |
|           | Caster (Referential Value)                                                        |             | $5^{\circ}55'$                                                                       | $6^{\circ}00'$          | $5^{\circ}05'$           |
|           | Steering angle (Tolerance: $\pm 1.5^{\circ}$ )                                    | Inner wheel | $37.6^{\circ}$                                                                       | $37.4^{\circ}$          | $38.4^{\circ}$           |
|           |                                                                                   | Outer wheel | $33.3^{\circ}$                                                                       | $33.0^{\circ}$          | $34.1^{\circ}$           |
|           | Toe-in mm (in)                                                                    |             | 0 $\pm$ 3 (0 $\pm$ 0.12) Toe angle (sum of both wheels): $0^{\circ}\pm 0^{\circ}15'$ |                         |                          |
| Rear      | Kingpin angle (Referential Value)                                                 |             | $14^{\circ}00'$                                                                      | $14^{\circ}15'$         | $12^{\circ}20'$          |
|           | Wheel arch height<br>(Tolerance: +12 mm –24 mm (+0.47 in –0.94 in )) mm (in)      |             | 392 (15.4)                                                                           | 387 (15.2)              | 474 (18.7)               |
|           | Camber (Tolerance: $\pm 0^{\circ}45'$ Differences between RH and LH: 45' or less) |             | $-1^{\circ}00'$                                                                      | $-1^{\circ}10'$         | $0^{\circ}00'$           |
|           | Toe-in mm (in)                                                                    |             | *2                                                                                   |                         | *1                       |
|           | Thrust angle (Tolerance: $\pm 0^{\circ}30'$ )                                     |             | $0^{\circ}$                                                                          |                         |                          |

\*1: OUTBACK model

2 $\pm$ 3 mm (0.08 — 0.12 in) Toe angle (sum of both wheels):  $0^{\circ}10'\pm 0^{\circ}15'$

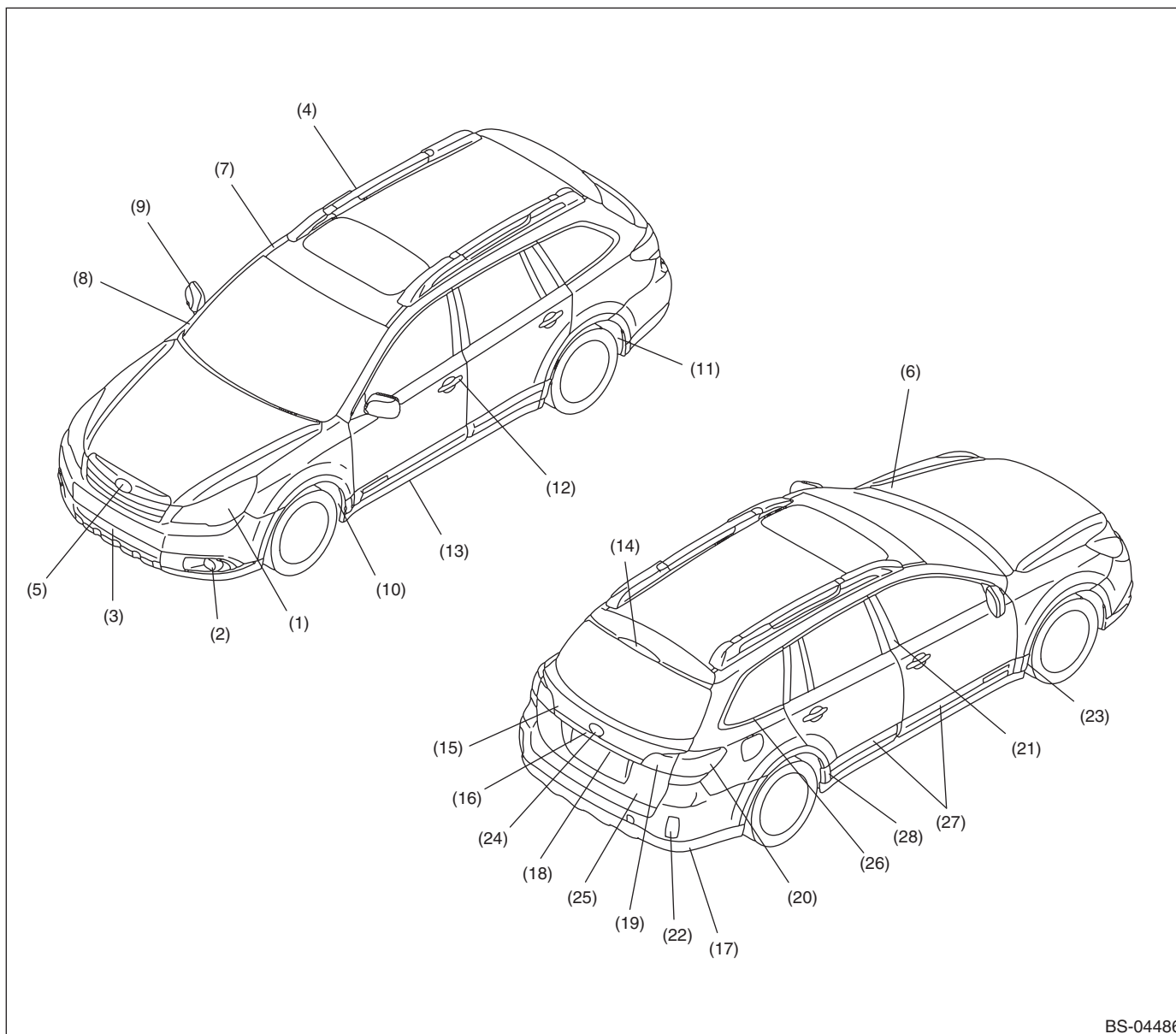
\*2: Except for OUTBACK model

0 $\pm$ 3 mm (0 $\pm$ 0.12 in) Toe angle (sum of both wheels):  $0^{\circ}\pm 0^{\circ}15'$

## 19. Plastic Parts and Materials

### A: SPECIFICATIONS

#### 1. SPECIAL OUTBACK PARTS AND COMMON SEDAN PARTS



BS-04486

- |                           |                              |                                  |
|---------------------------|------------------------------|----------------------------------|
| (1) Headlight             | (11) Rear mudguard           | (21) Pillar cover                |
| (2) Front fog light       | (12) Door handle             | (22) Reflex reflector            |
| (3) Front bumper          | (13) Side sill garnish       | (23) Fender garnish              |
| (4) Roof rail             | (14) High mount stop light   | (24) Ornament rear               |
| (5) Front grille          | (15) Rear garnish            | (25) Letter mark                 |
| (6) Cowl panel            | (16) License light           | (26) Rear quarter glass moulding |
| (7) Roof moulding         | (17) Rear bumper             | (27) Door garnish                |
| (8) Front window moulding | (18) Rear gate opener switch | (28) Rear quarter garnish        |
| (9) Door mirror           | (19) Rear finisher light     |                                  |
| (10) Front mudguard       | (20) Rear combination light  |                                  |

## Plastic Parts and Materials

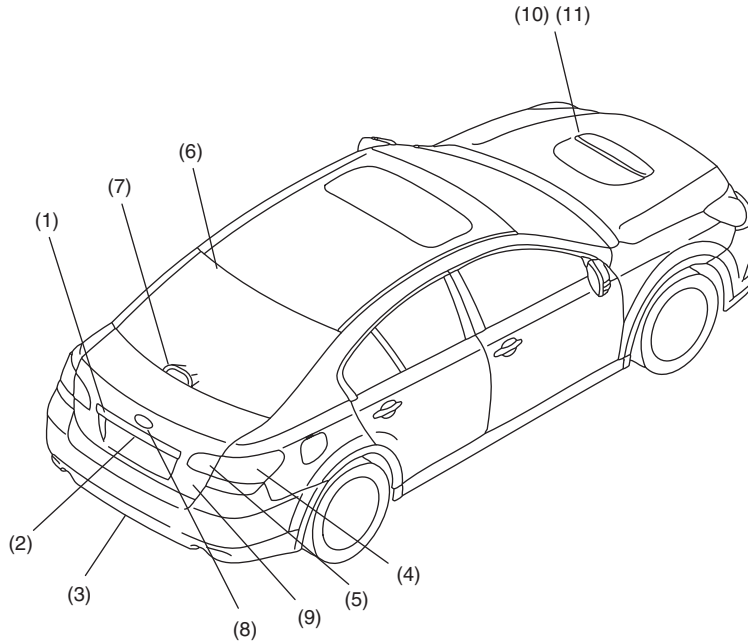
| No.  | Part name               |                         | Material       |
|------|-------------------------|-------------------------|----------------|
| (1)  | Headlight               | Lens                    | PC             |
|      |                         | Housing                 | PP             |
|      |                         | Reflector               | BMC            |
|      |                         | Extension               | PBT + PET      |
| (2)  | Front fog light         | Bracket (housing)       | PBT + ASA-GF30 |
| (3)  | Front bumper            | Face                    | PP             |
|      |                         | EA tube                 | Aluminum + PE  |
|      |                         | Fog light cover         | PP             |
|      |                         | Hook cover              | PP             |
|      |                         | Center lower bracket    | PP             |
|      |                         | Side bracket            | POM            |
|      |                         | Corner bracket          | PP-GF30        |
| (4)  | Roof rail               | Front cover             | PC + PET       |
|      |                         | Rear cover              | PC + PET       |
| (5)  | Front grille            | Body                    | ABS            |
|      |                         | Ornament                | ABS + PMMA     |
| (6)  | Cowl panel              | Body                    | PP             |
|      |                         | Side                    | PP + SEPM      |
| (7)  | Roof moulding           |                         | SUS + PVC      |
| (8)  | Front window moulding   |                         | PVC            |
| (9)  | Door mirror             | Body                    | AES            |
|      |                         | Inner cover             | AES            |
|      |                         | Outer cover             | ABS            |
|      |                         | Mirror holder           | PP             |
| (10) | Front mudguard          | Body                    | PE             |
|      |                         | Air flap                | PE             |
| (11) | Rear mudguard           | Body                    | PE             |
|      |                         | Air flap                | TPO            |
| (12) | Door handle             | Handle                  | PC + PBT-MD10  |
|      |                         | Handle cover            | PC + PBT-MD10  |
| (13) | Side sill garnish       |                         | PP             |
| (14) | High mount stop light   | Lens                    | PMMA           |
|      |                         | Housing                 | ABS            |
| (15) | Rear garnish            | Body                    | ABS            |
|      |                         | Moulding                | ABS            |
|      |                         | Ornament                | ABS + PMMA     |
| (16) | License light           | Lens                    | PC             |
|      |                         | Housing                 | PBT + PET      |
| (17) | Rear bumper             | Face                    | PP             |
|      |                         | Muffler cover           | PP             |
|      |                         | Cover hook              | PP             |
|      |                         | Bracket corner          | POM            |
|      |                         | Bracket side            | POM            |
|      |                         | Cover bumper side lower | PP             |
| (18) | Rear gate opener switch |                         | PP-F35         |
| (19) | Rear finisher light     | Lens                    | PMMA           |
|      |                         | Inner lens              | PMMA           |
|      |                         | Housing                 | ASA            |

## Plastic Parts and Materials

| No.  | Part name                   |                 | Material   |
|------|-----------------------------|-----------------|------------|
| (20) | Rear combination light      | Lens            | PMMA       |
|      |                             | Inner lens      | PMMA       |
|      |                             | Housing         | ASA        |
|      |                             | Cover           | ASA        |
| (21) | Pillar cover                |                 | AES        |
| (22) | Reflex reflector            | Lens            | PMMA       |
|      |                             | Housing         | PC         |
| (23) | Fender garnish              |                 | PP         |
| (24) | Ornament rear               |                 | ABS + PMMA |
| (25) | Letter mark                 |                 | ABS        |
| (26) | Rear quarter glass moulding |                 | SUS + PVC  |
| (27) | Door garnish                |                 | PP         |
| (28) | Rear quarter garnish        |                 | PP         |
|      | Under cover                 | Body            | PP         |
|      |                             | Inspection hole | PP         |
|      | Splash board                |                 | PP         |
|      | Rear wiper                  | Blade           | PBT        |
|      |                             | Arm             | PET        |
|      |                             | Arm cover       | PBT        |

# Plastic Parts and Materials

## 2. SPECIAL SEDAN PARTS



BS-04487

- |                            |                          |                      |
|----------------------------|--------------------------|----------------------|
| (1) Trunk garnish          | (5) Rear finisher light  | (9) Letter mark      |
| (2) License light          | (6) Rear window moulding | (10) Turbo grille    |
| (3) Rear bumper            | (7) High mount light     | (11) Hood duct inner |
| (4) Rear combination light | (8) Ornament             |                      |

| No. | Part name              |                 | Material   |
|-----|------------------------|-----------------|------------|
| (1) | Trunk garnish          |                 | ABS        |
| (2) | License light          | Lens            | PC         |
|     |                        | Housing         | PC         |
| (3) | Rear bumper            | Face            | PP         |
|     |                        | Muffler cover   | PP         |
|     |                        | Corner bracket  | POM        |
| (4) | Rear combination light | Lens            | PMMA       |
|     |                        | Inner lens      | PC         |
|     |                        | Housing         | ASA        |
|     |                        | Inner reflector | PC         |
|     |                        | Cover           | ASA        |
| (5) | Rear finisher light    | Lens            | PMMA       |
|     |                        | Inner lens      | PC         |
|     |                        | Housing         | ASA        |
| (6) | Rear window moulding   |                 | PVC        |
| (7) | High mount stop light  | Lens            | PC         |
|     |                        | Housing         | PP-TD20    |
|     |                        | Cover           | PP-TD20    |
| (8) | Ornament rear          |                 | ABS + PMMA |
| (9) | Letter mark            |                 | ABS        |

## Plastic Parts and Materials

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| No.  | Part name       | Material  |
|------|-----------------|-----------|
| (10) | Turbo grille    | PA + PPE  |
| (11) | Hood duct inner | PP + EPDM |

## List of Plastic Material Notations

### 20.List of Plastic Material Notations

#### A: SPECIFICATIONS

| Notation symbol | Material name                                            | Notation symbol | Material name                           |
|-----------------|----------------------------------------------------------|-----------------|-----------------------------------------|
| ABS             | ABS resin (acrylonitrile/butadiene/styrene/resin)        | PMMA            | Polymethyl methacrylate                 |
| AES             | Acrylonitrile/ethylene/styrene                           | POM             | Polyacetal                              |
| ASA             | Acrylonitrile/styrene/acrylate                           | PP              | Polypropylene                           |
| ASA-GF30        | Acrylonitrile/styrene/acrylate (30% glass fiber content) | PP-F35          | Polypropylene (35% inorganic filler)    |
| BMC             | Premix molding compound                                  | PP-GF20         | Polypropylene (20% glass fiber content) |
| SUS             | Stainless                                                | PP-GF30         | Polypropylene (30% glass fiber content) |
| EPDM            | Ethylene/propylene/dien rubber                           | PP-GF40         | Polypropylene (40% glass fiber content) |
| PA              | Polyamide                                                | PP-TD20         | Polypropylene (20% talc content)        |
| PBT             | Poly (butylene terephthalate)                            | PPE             | Polyphenyleneether                      |
| PBT-MD10        | Poly (butylene terephthalate) (10% iron powder content)  | PVC             | Polyvinyl chloride                      |
| PC              | Polycarbonate                                            | SEPM            | Styrene ethylene/propylene rubber       |
| PE              | Polyethylene                                             | TPO             | Thermoplastic olefine                   |
| PET             | Polyethylene terephthalate                               | —               | —                                       |