BODY REPAIR MANUAL

BS

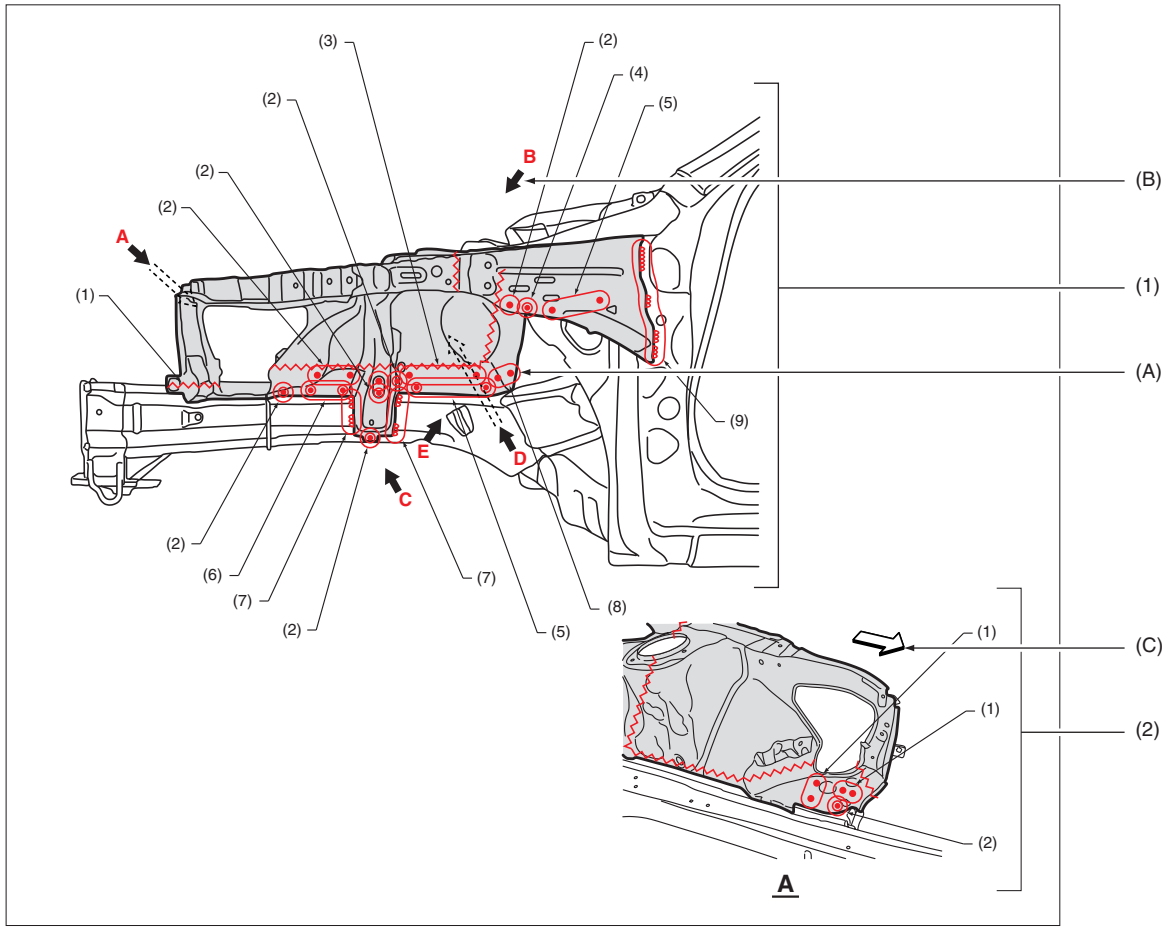
1. Foreword

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).

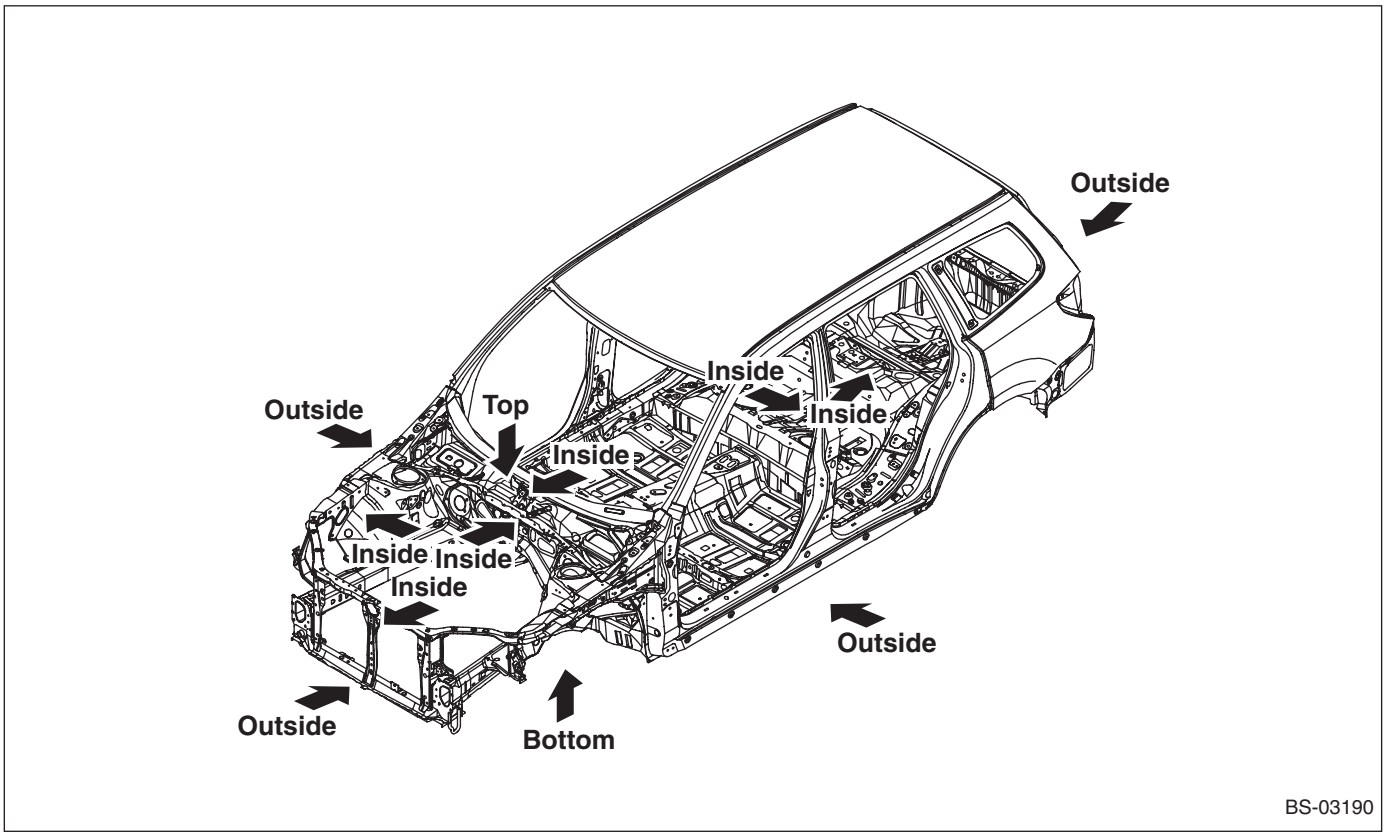


(1) Overall view
(2) View
(3) Number of welding points etc.
(4) Removal direction
(5) Number of plates to be drilled
(6) Cautions for the work etc.

(A) Welding method
(B) View direction
(C) Direction towards the front of the vehicle

2. REMOVAL DIRECTION

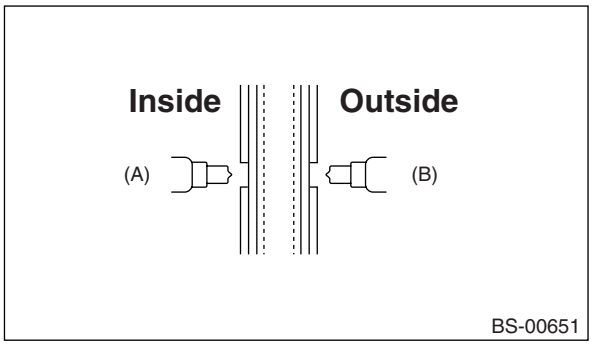
Division is made into the four groups of inside, outside, top, and bottom, and these directions are defined as shown in the following figure.



3. NUMBER OF PANELS TO BE DRILLED

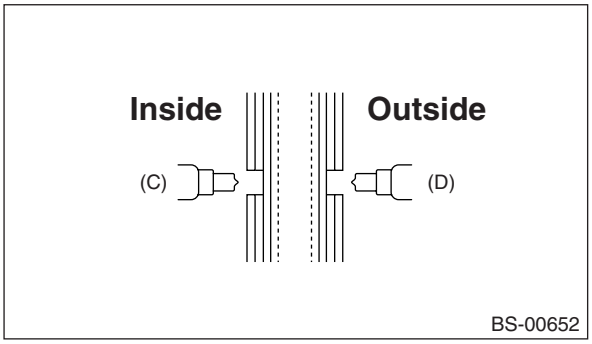
Depending on the number of panels, drilling is done through one panel or two panels, and this number is listed together with the removal direction.

(1) Drilling through one plate



(A) (Inside · 1)
(B) (Outside · 1)

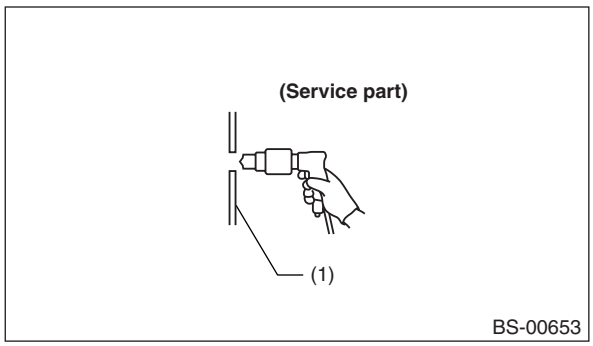
(2) Drilling through two plates



(C) (Inside · 2)
(D) (Outside · 2)

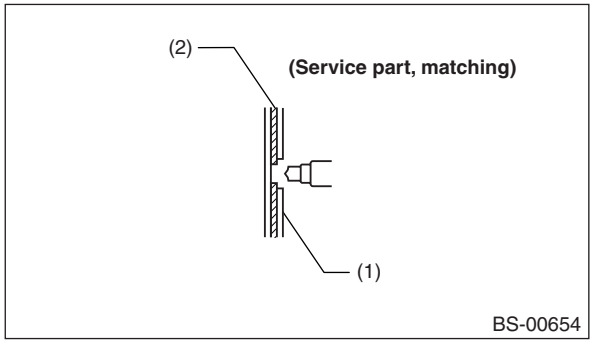
4. HOLE DRILLING FOR PLUG WELDING

(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

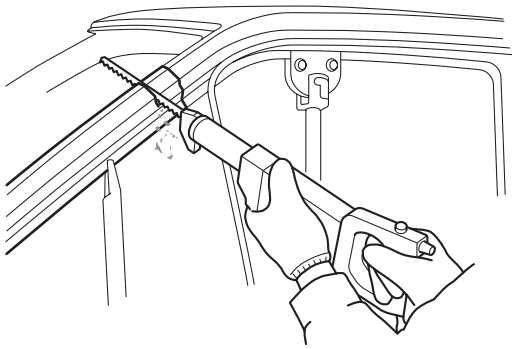


(1) Vehicle side
(2) Service part

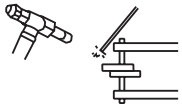
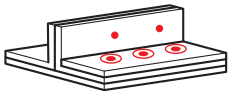
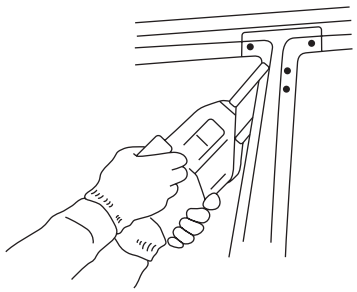
5. MEANING OF SYMBOLS

- **Cutting**

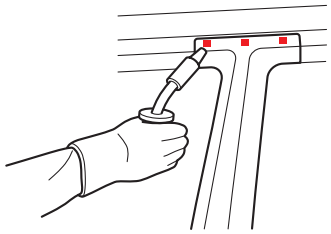
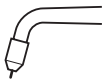
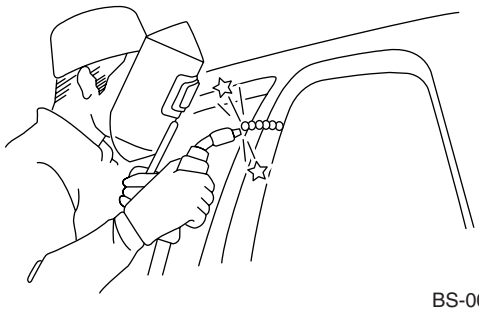

BS-00352


BS-00267

- **Spot welding**

Two overlapping parts	BS-00655	 BS-00656	 BS-00657	 BS-00658
Three or more overlapping parts	BS-00659	 BS-00660		

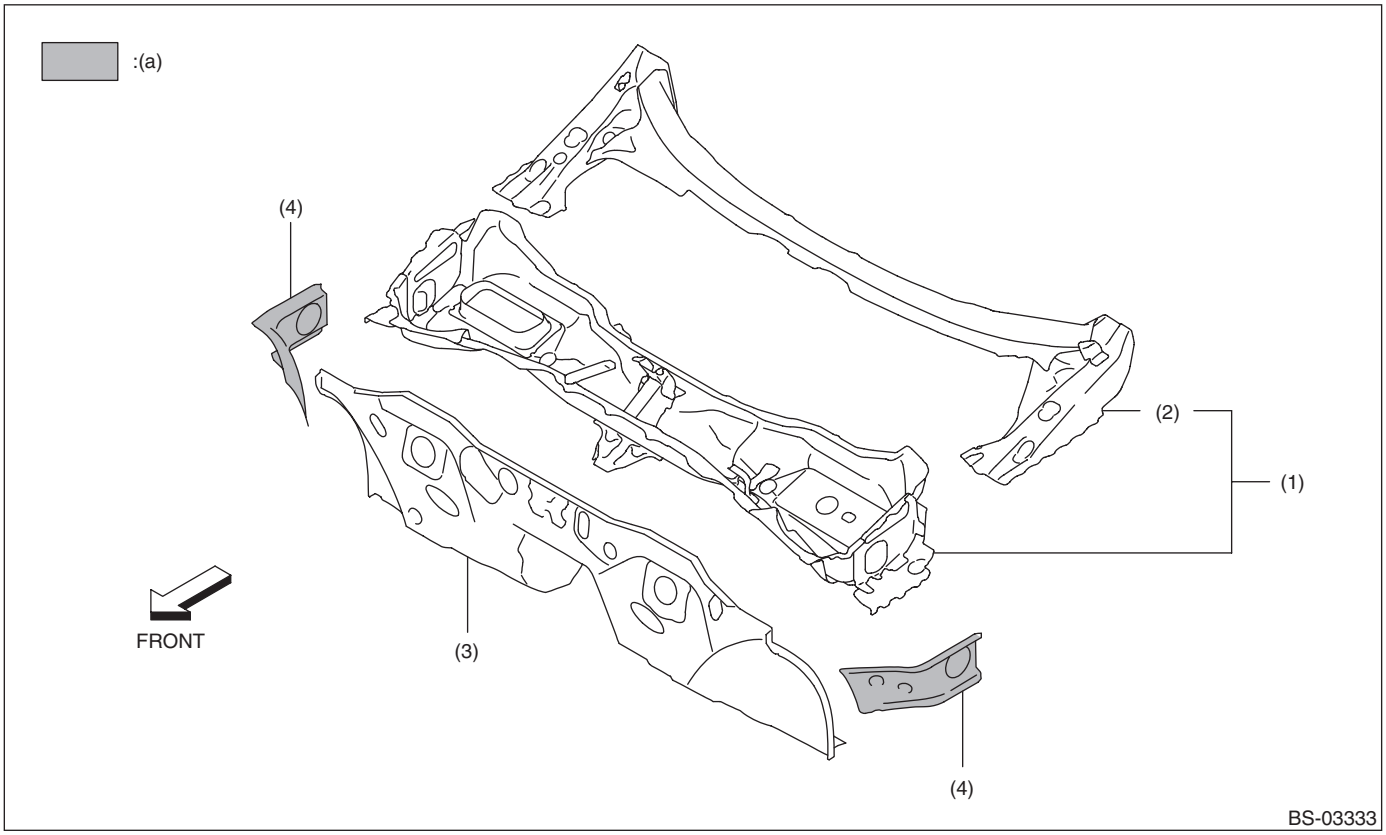
- **Carbon dioxide gas arc welding (MIG welding)**

Plug welding	 BS-00661	 BS-00662	 BS-00663
Continuous welding	BS-00664	 BS-00665	 BS-00666

2. Panel Components

A: COMPONENTS

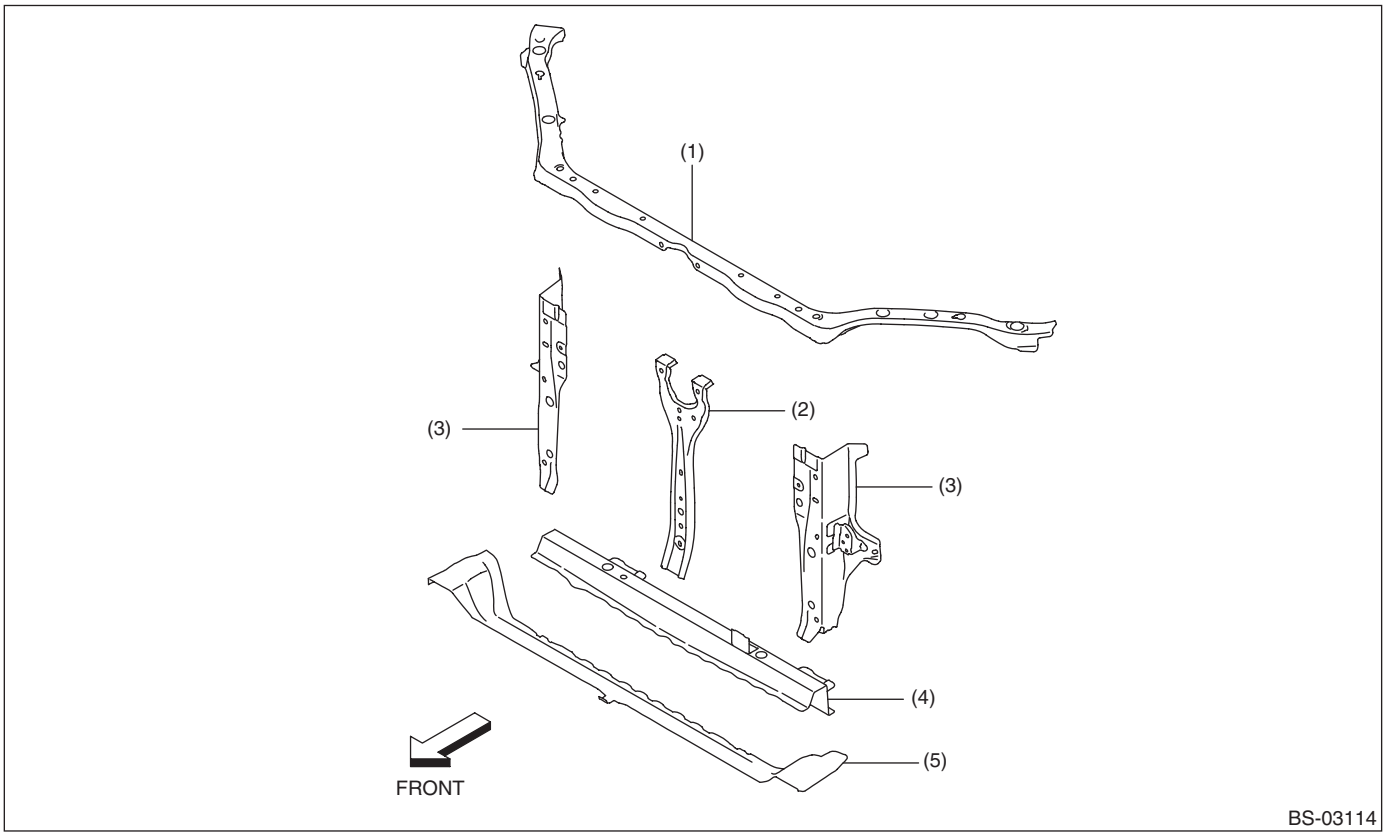
1. TOE BOARD & FRONT PANEL



(a) High-strength steel

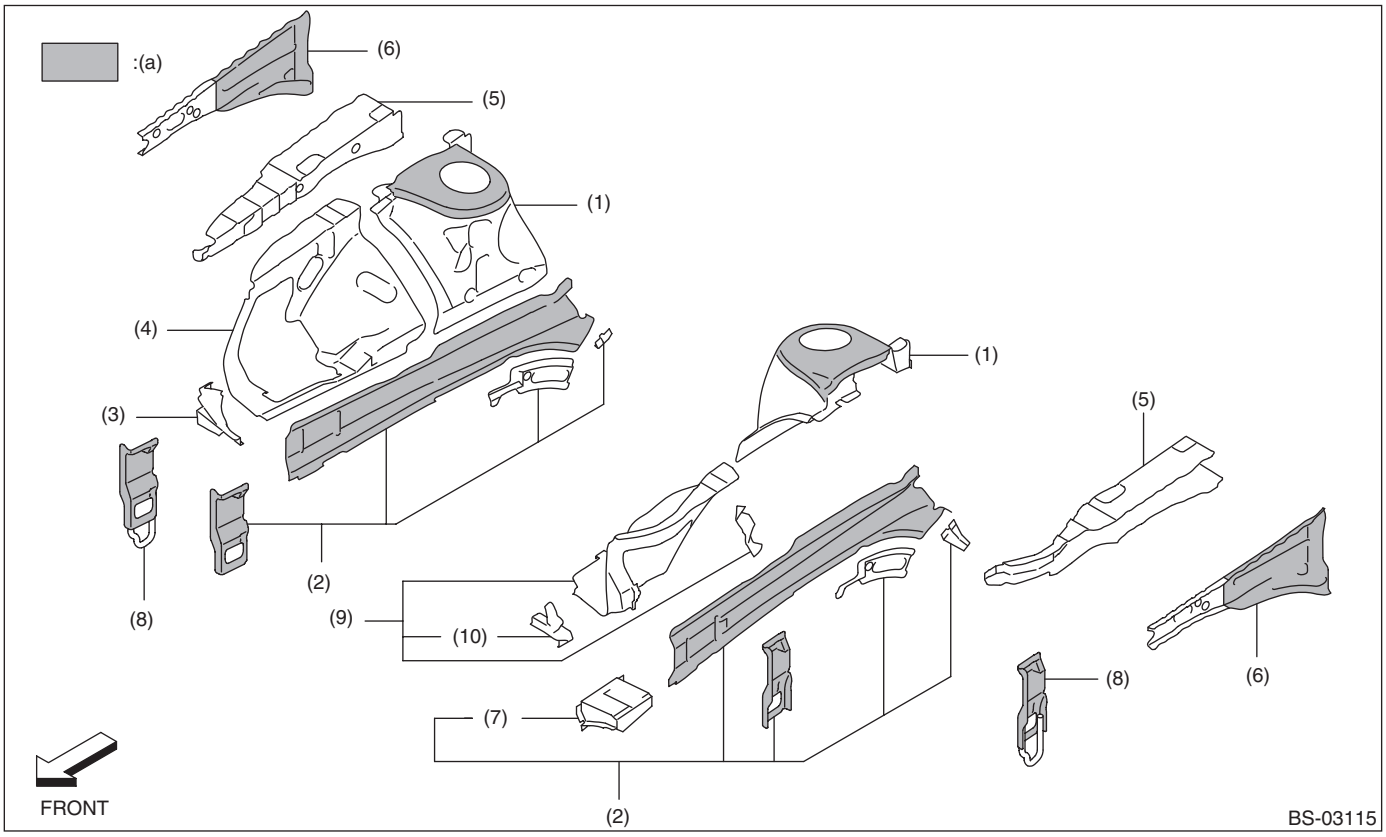
(1) Front panel and Duct
(2) Front panel
(3) Toe board
(4) Gusset

2. RADIATOR PANEL



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

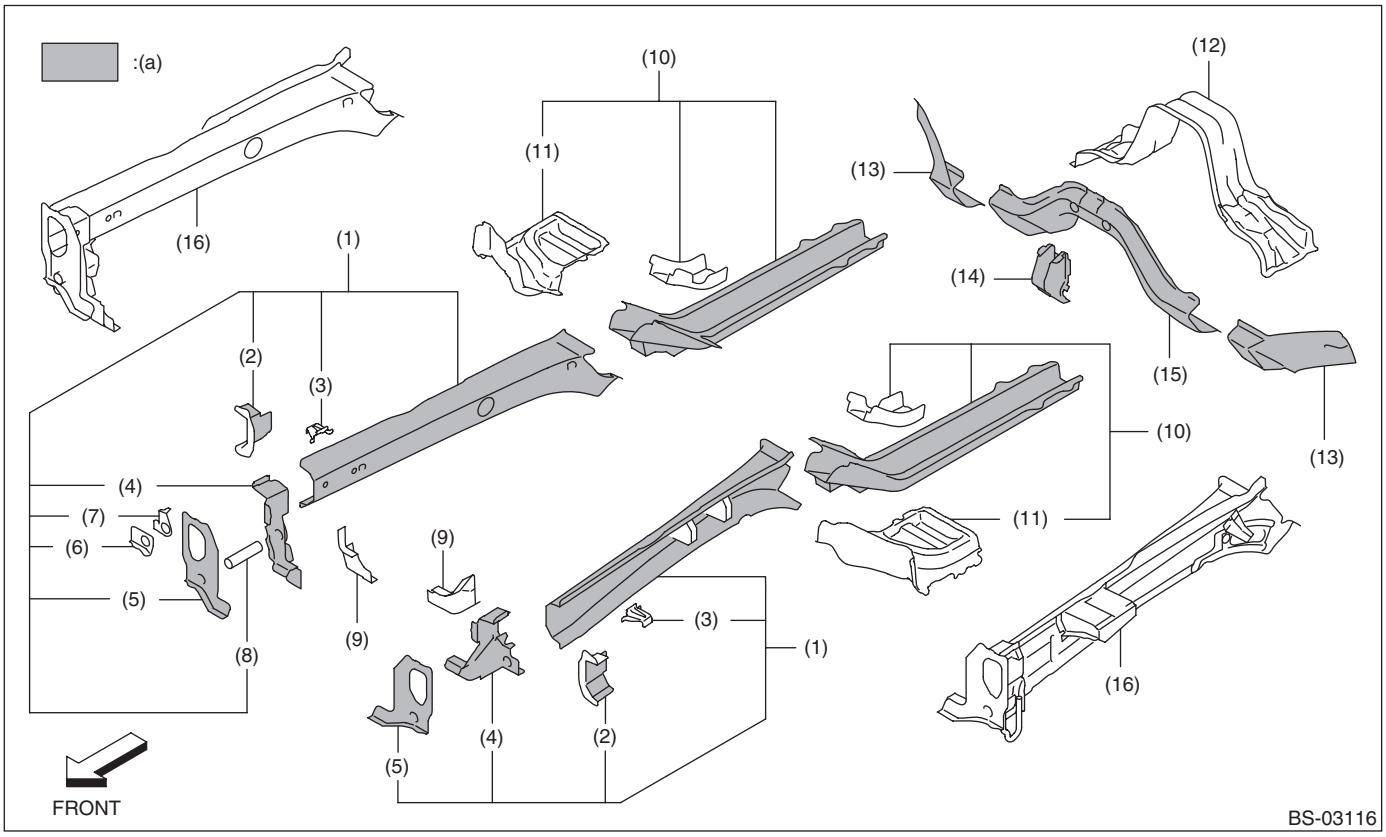
3. FRONT WHEEL APRON



(a) High-strength steel

(1) Front suspension bracket
(2) Closing plate
(3) Fender bracket right
(4) Front wheel apron right
(5) Front wheel apron upper
(6) Side upper frame
(7) Battery bracket
(8) Front tie-down
(9) Front wheel apron left
(10) Fender bracket left

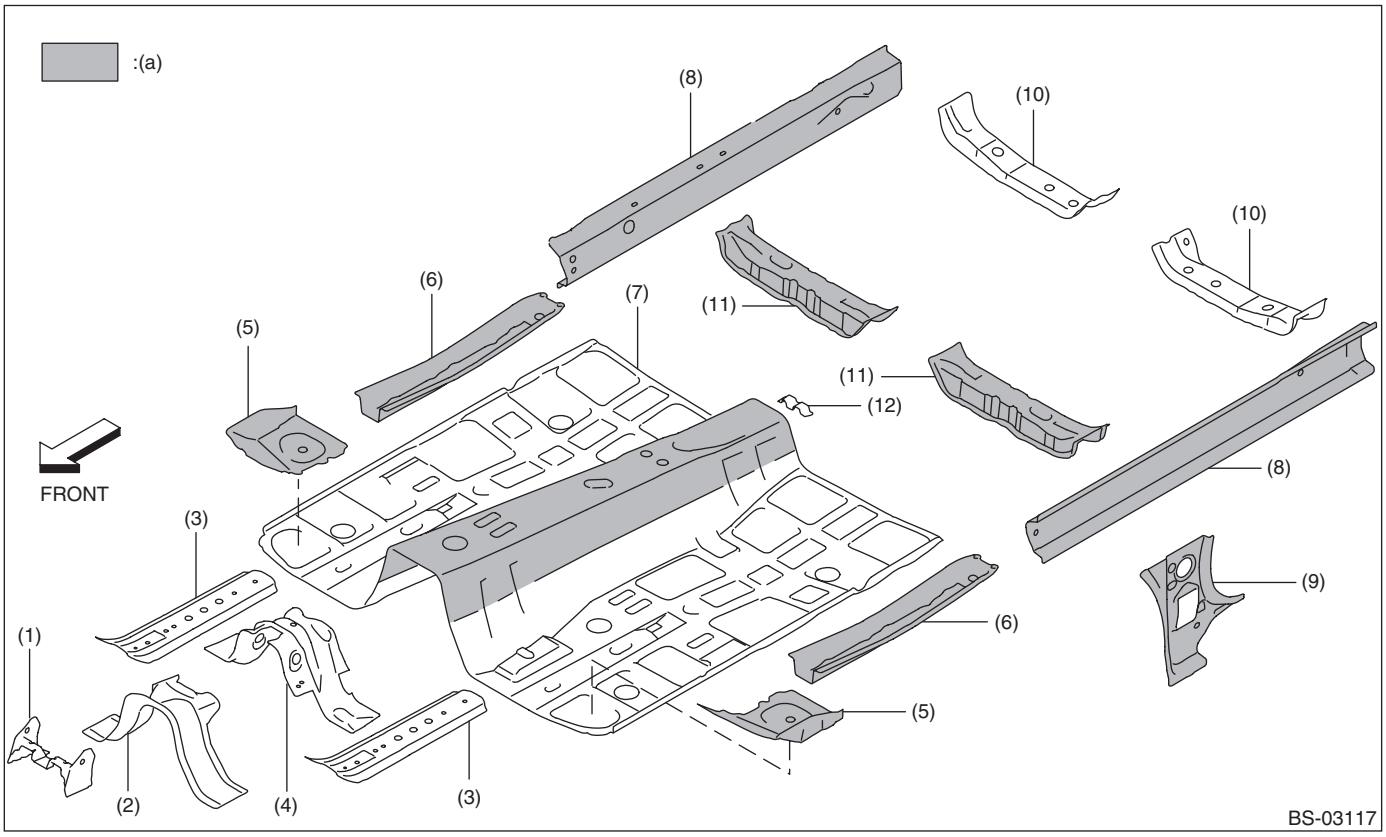
4. FRONT SIDE FRAME



(a) High-strength steel

(1) Front side frame front
(2) Bumper bracket front
(3) Separator
(4) Front frame gusset
(5) Front frame plate front
(6) Plate A
(7) Plate B
(8) Hook Pipe
(9) Front frame gusset C
(10) Front side frame rear
(11) Toe board reinforcement
(12) Floor crossmember front
(13) Toe board crossmember side
(14) Pitching stopper bracket
(15) Toe board crossmember center
(16) Side frame

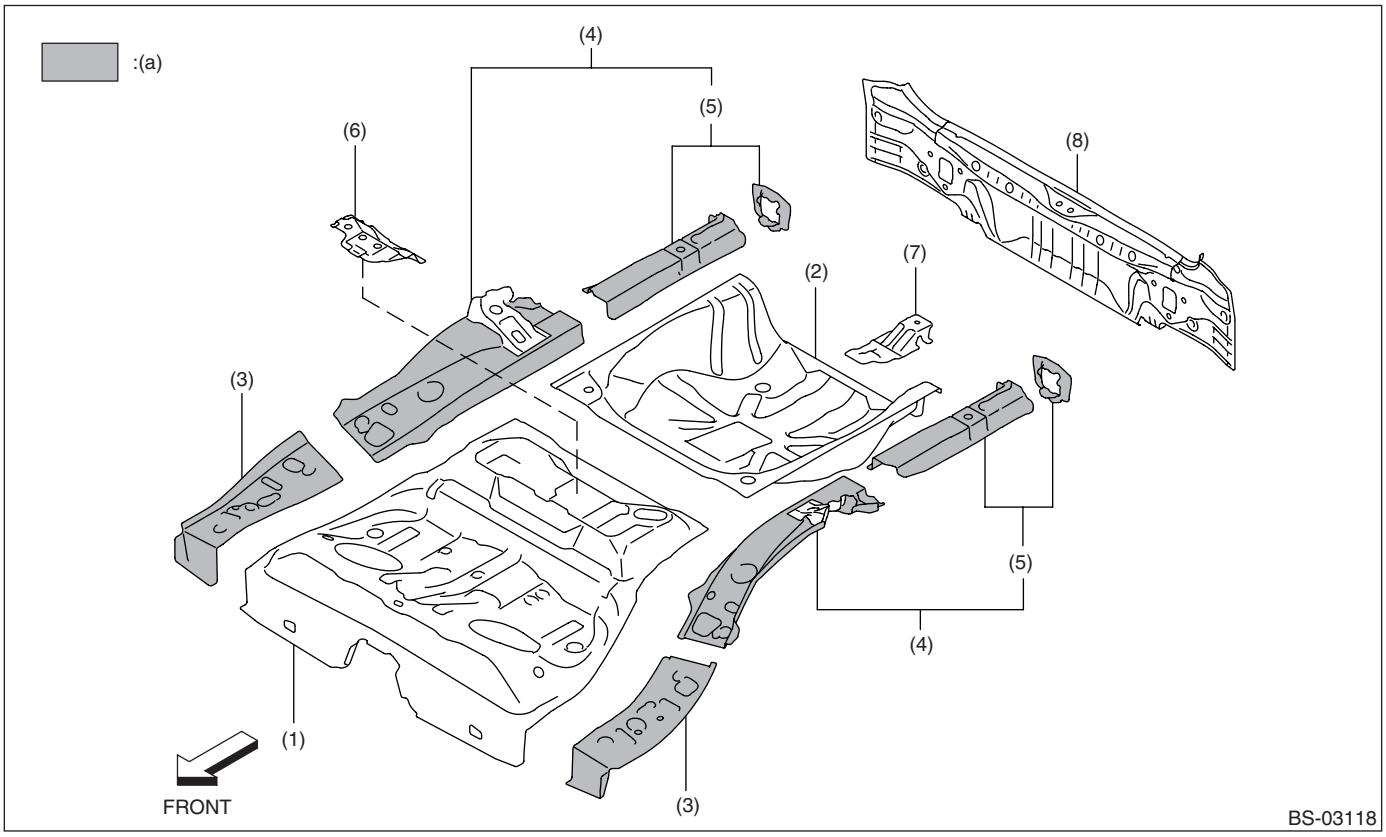
5. FRONT FLOOR PANEL



(a) High-strength steel

(1) Instrument panel bracket
(2) Floor crossmember center
(3) Front floor frame front
(4) Floor crossmember rear
(5) Toe board reinforcement upper
(6) Front floor frame rear
(7) Front floor pan
(8) Side sill inner
(9) Front pillar inner lower
(10) Front seat crossmember rear
(11) Front seat crossmember front
(12) Hand brake reinforcement

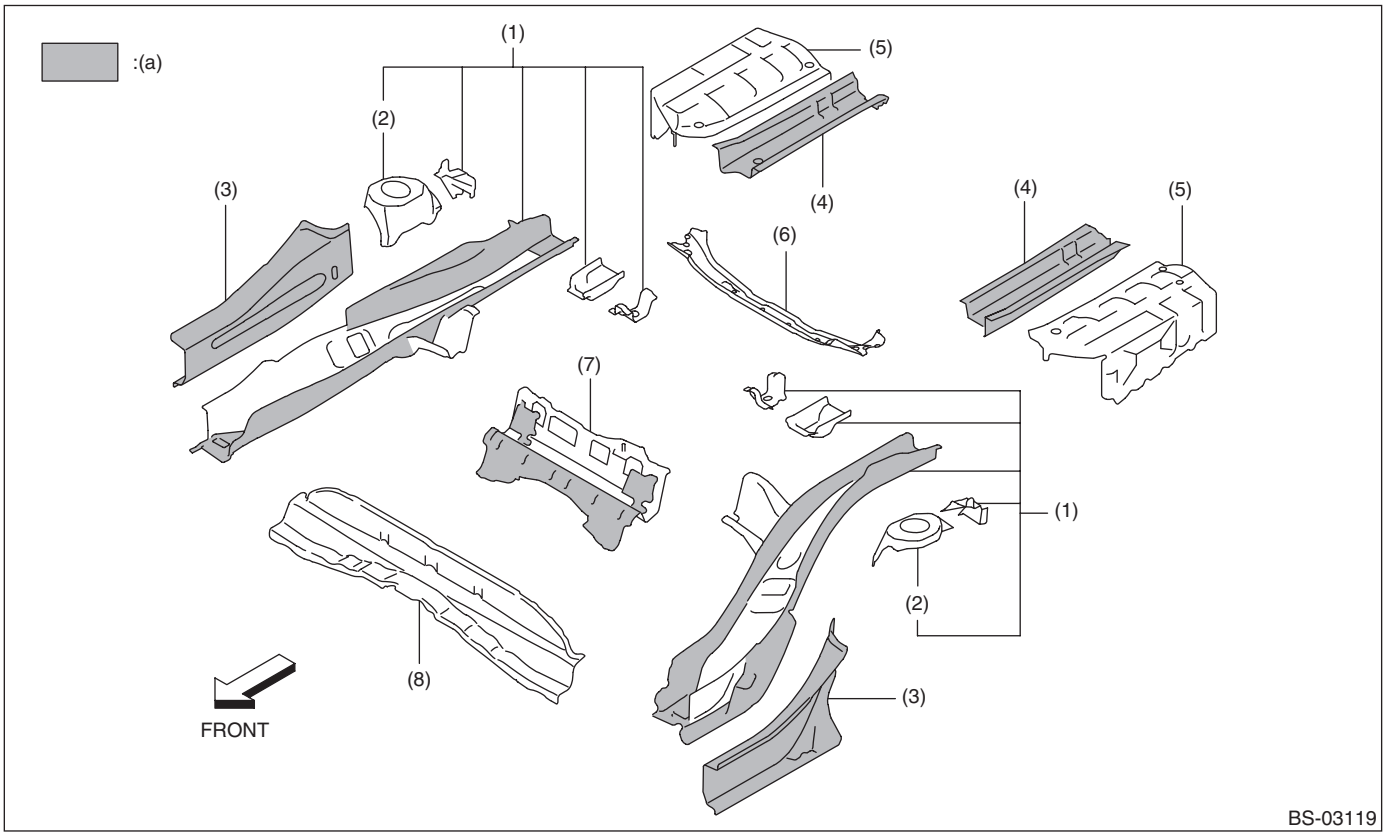
6. REAR FLOOR PANEL & REAR SKIRT



(a) High-strength steel

(1) NS (Rear floor pan front)
(2) Rear floor pan rear
(3) Side frame upper front
(4) Side frame upper rear
(5) Side frame upper rear rear
(6) Spare tire reinforcement
(7) Spare tire bracket
(8) Rear skirt

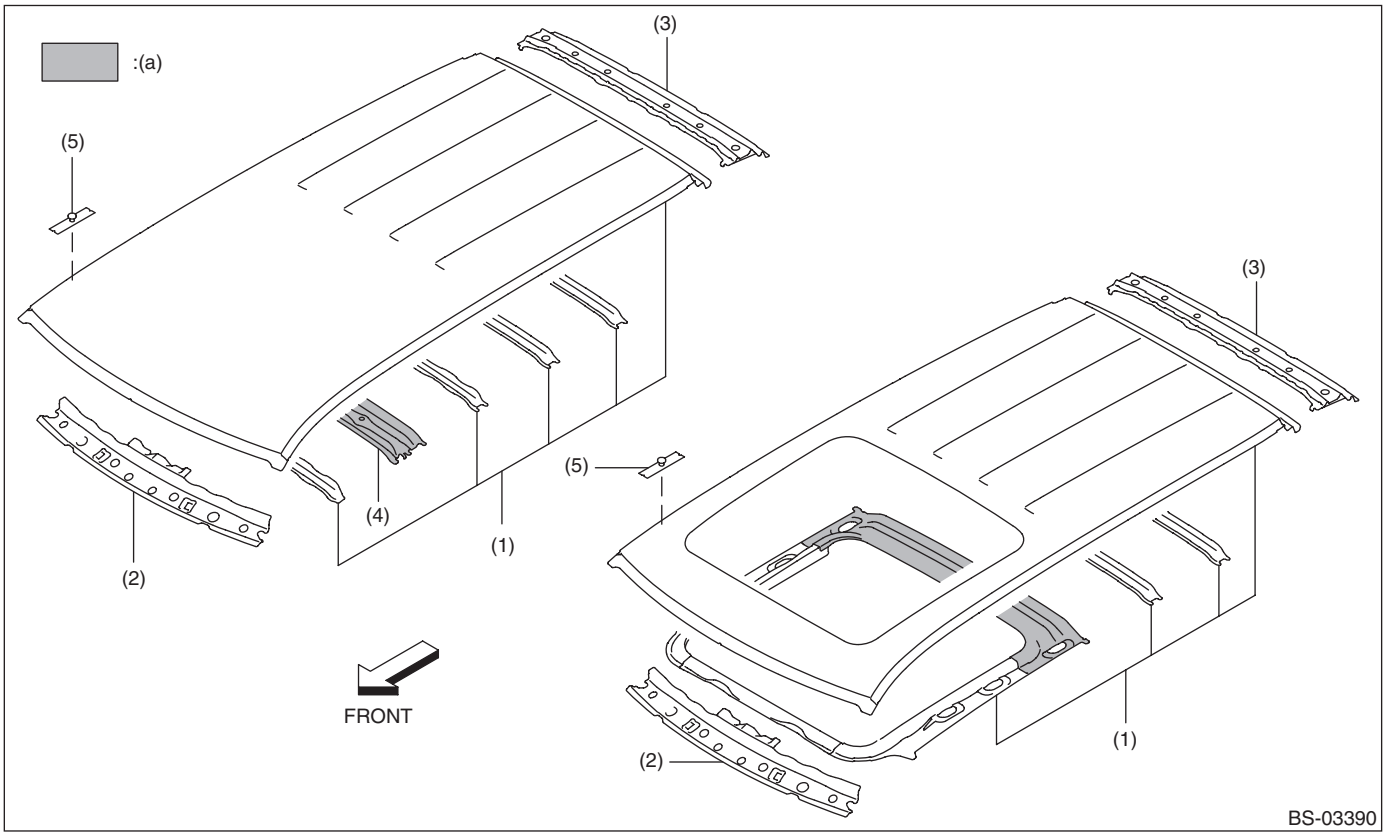
7. REAR FLOOR SIDE FRAME



(a) High-strength steel

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

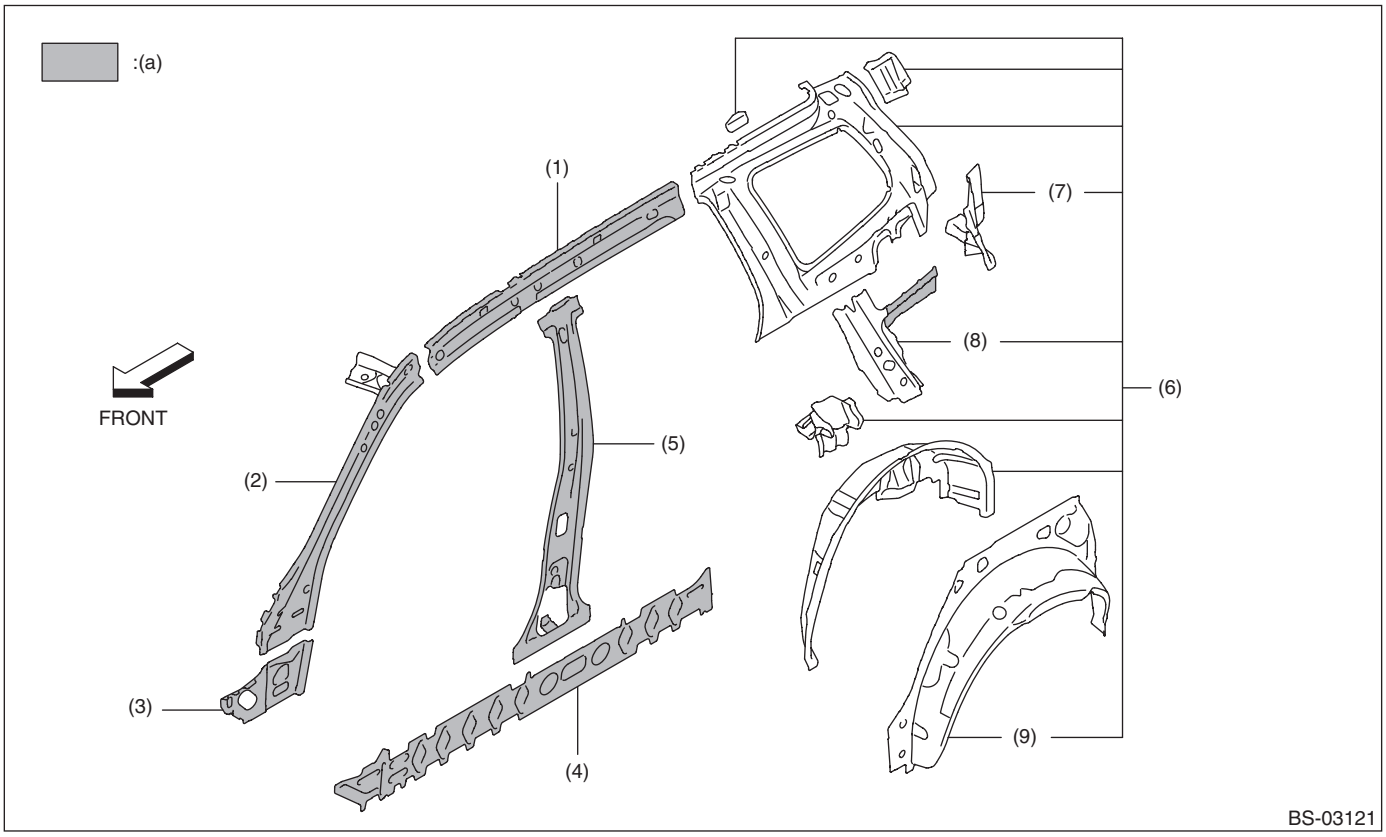
8. ROOF



(a) High-strength steel

(1) Roof panel
(2) Front roof rail
(3) Rear roof rail
(4) Roof center brace
(5) T stud plate

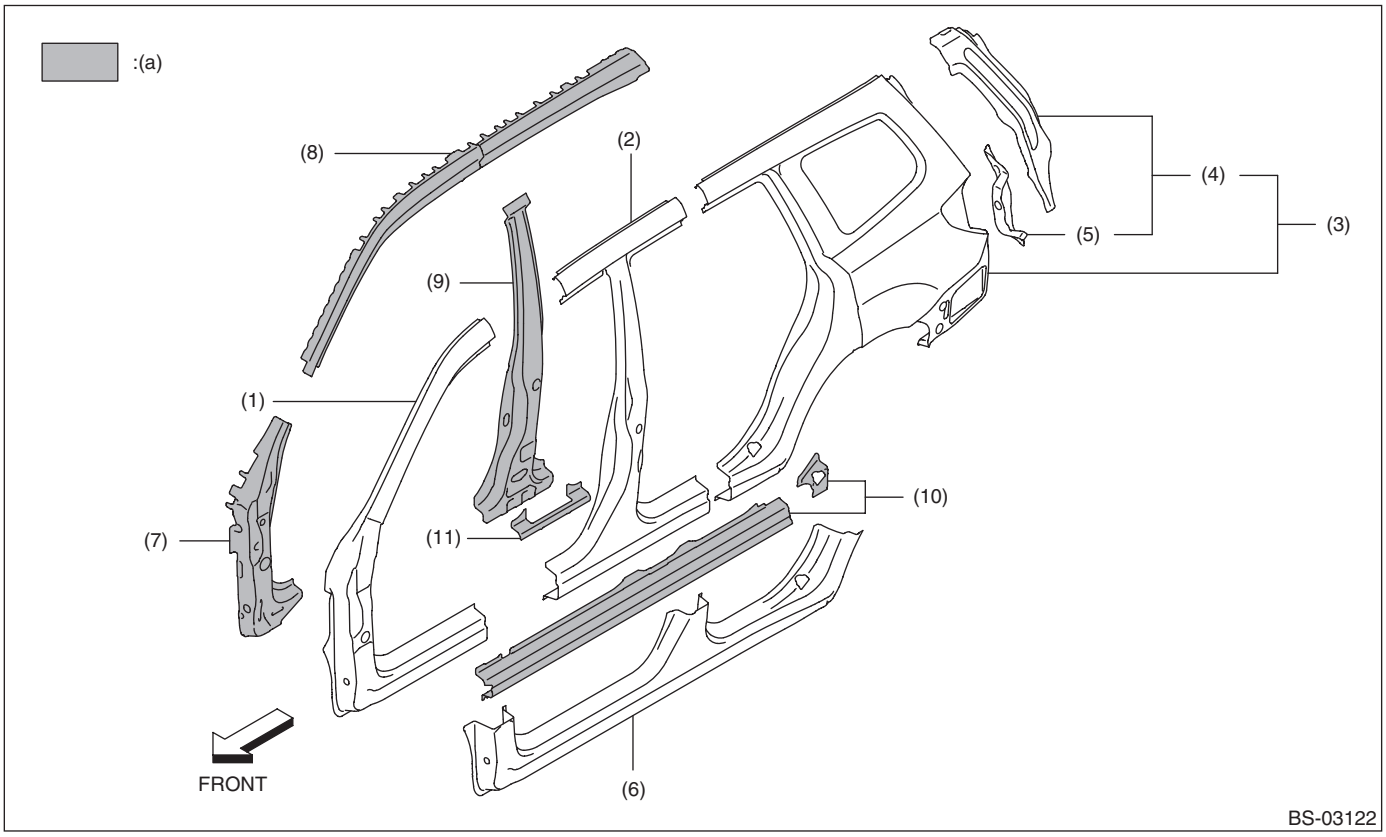
9. SIDE PANEL INNER



(a) High-strength steel

(1) Side rail inner
(2) Front pillar inner upper
(3) Front pillar inner center
(4) Side sill reinforcement inner
(5) Center pillar inner
(6) Rear quarter inner
(7) Rear quarter extension
(8) C-pillar reinforcement
(9) Rear arch inner

10.SIDE PANEL OUTER



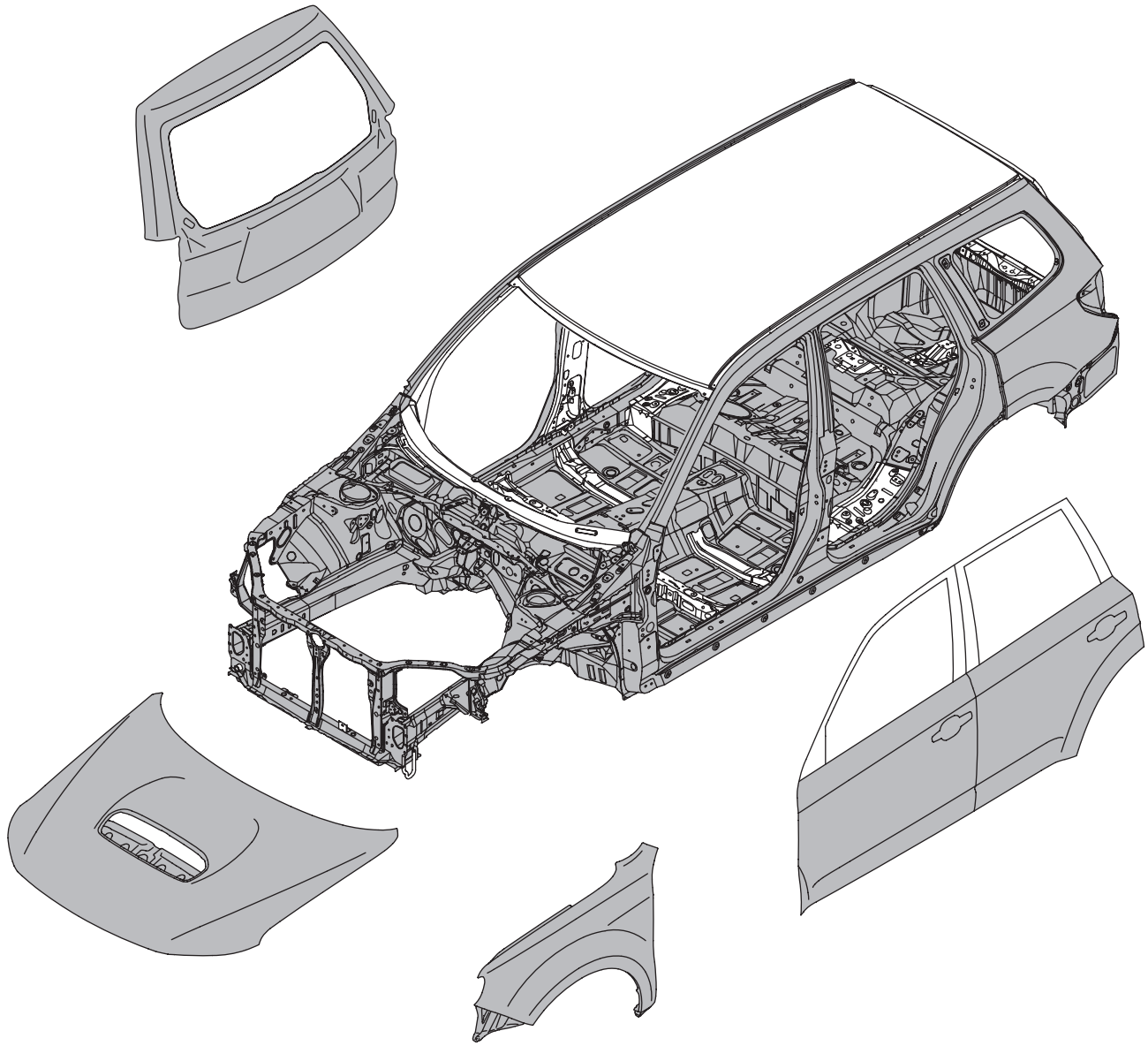
(a) High-strength steel

(1) Front pillar outer
(2) Center pillar outer
(3) Rear quarter outer
(4) D-pillar extension
(5) Rear quarter end
(6) Side sill outer
(7) Front pillar reinforcement lower
(8) Side rail reinforcement
(9) Center pillar reinforcement
(10) Side sill reinforcement outer
(11) Side sill patch outer

3. Galvanized Sheet Metal

A: SPECIFICATION

:(1)



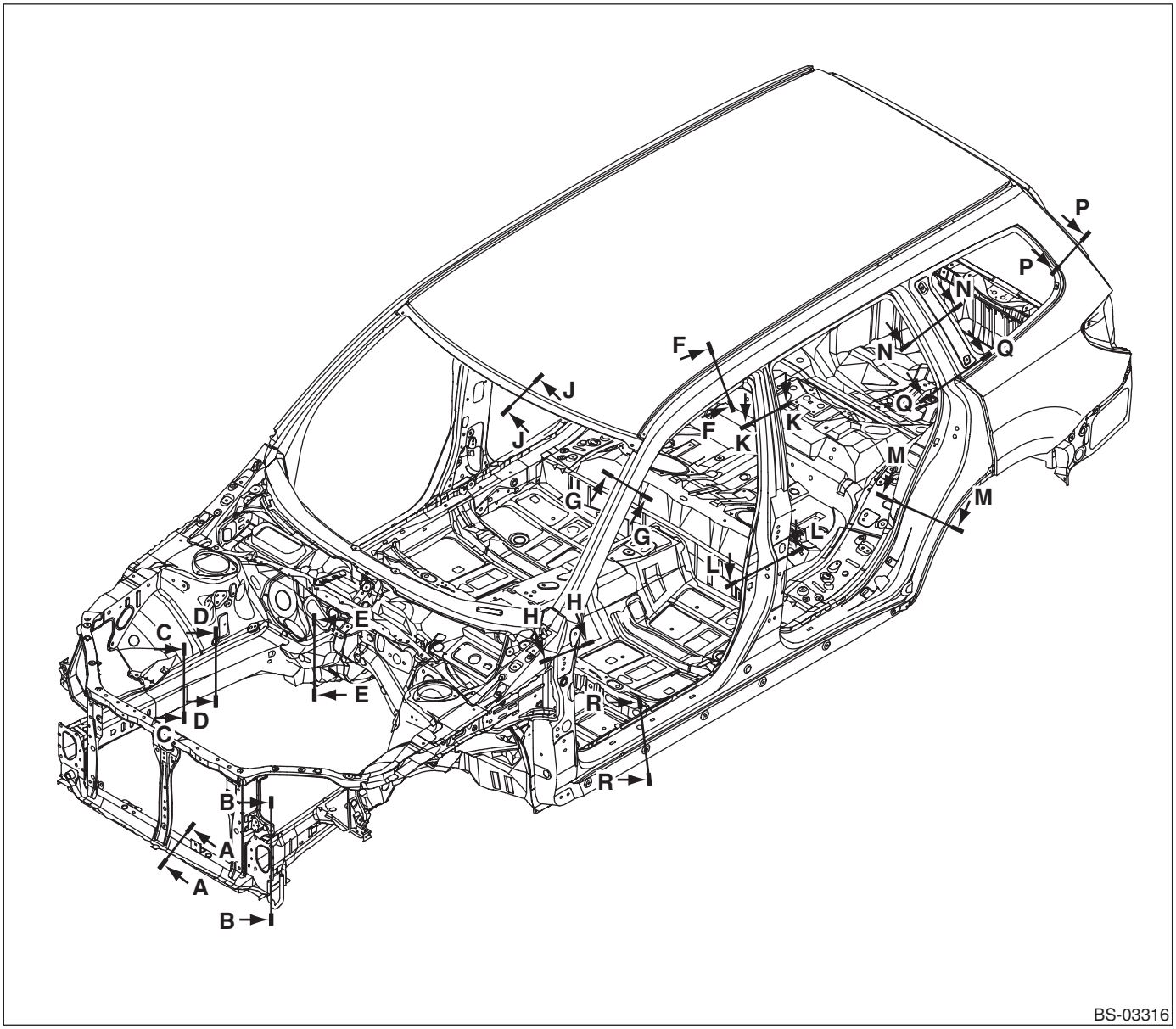
BS-03334

(1) Galvanized sheet metal (both sides)

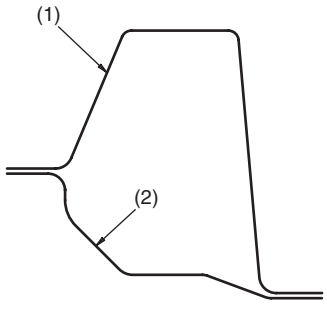
The fuel flap consists of galvanized sheet metal.

4. Body Construction

A: SPECIFICATION



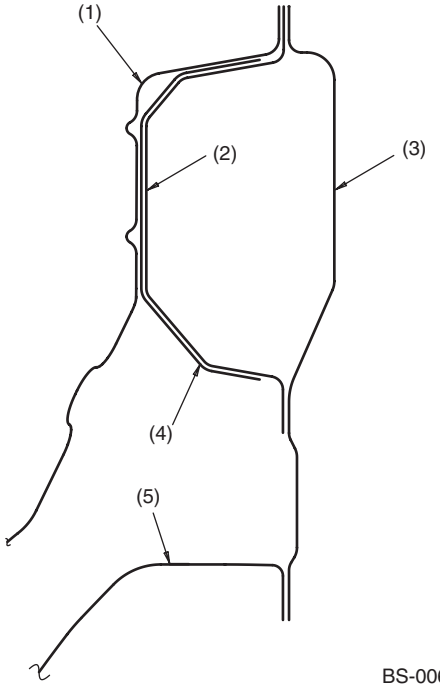
Cross section A — A



BS-00682

(1) Radiator lower frame A
(2) Radiator lower frame B

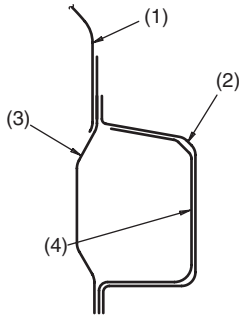
Cross section B — B



BS-00683

(1) Front gusset front A
(2) Front side frame front
(3) Hook reinforcement
(4) Bumper bracket
(5) Radiator lower frame B

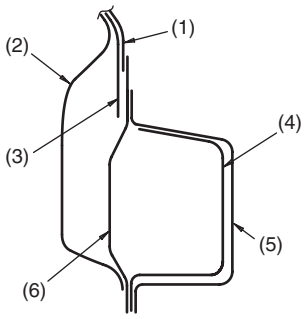
Cross section C — C



BS-00684

(1) Front wheel apron
(2) Front side frame front
(3) Closing plate
(4) Frame inner reinforcement A

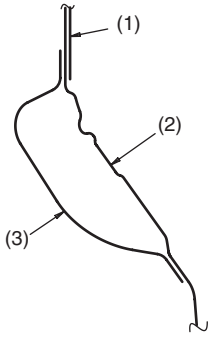
Cross section D — D



BS-00685

(1) Front wheel apron
(2) Front suspension lower reinforcement
(3) Front suspension lower bracket
(4) Frame inner reinforcement A
(5) Front side frame front
(6) Closing plate

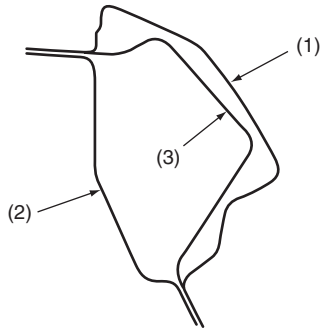
Cross section E — E



BS-00686

(1) Cover toe board
(2) Toe board
(3) Toe board center crossmember

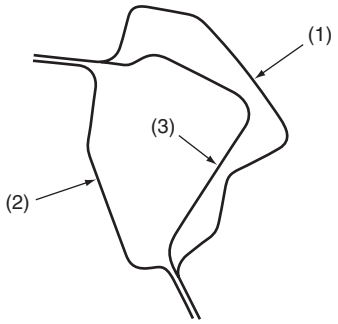
Cross section F — F



BS-03317

(1) Outer panel side
(2) Side rail inner
(3) Side rail reinforcement outer front

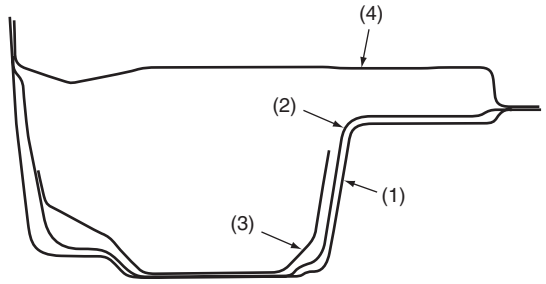
Cross section G — G



BS-03318

(1) Outer panel side
(2) Front pillar inner upper
(3) Side rail reinforcement front

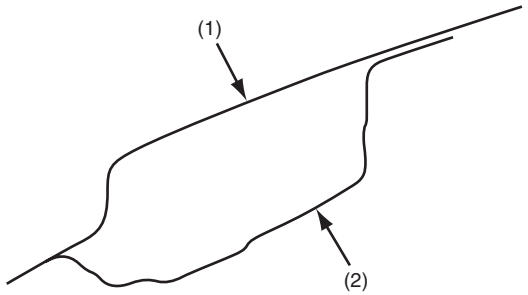
Cross section H — H



BS-03319

(1) Outer panel side
(2) Front pillar reinforcement outer
(3) Front pillar hinge reinforcement upper
(4) Front pillar inner upper

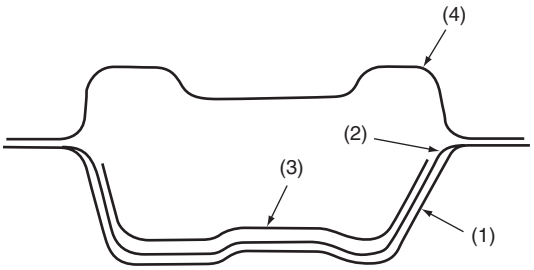
Cross section J — J



BS-03320

(1) Roof panel
(2) Front rail

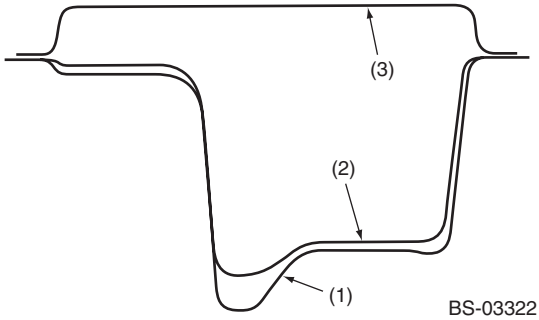
Cross section K — K



BS-03321

(1) Outer panel side
(2) Center pillar reinforcement
(3) Center pillar reinforcement A
(4) Center pillar inner

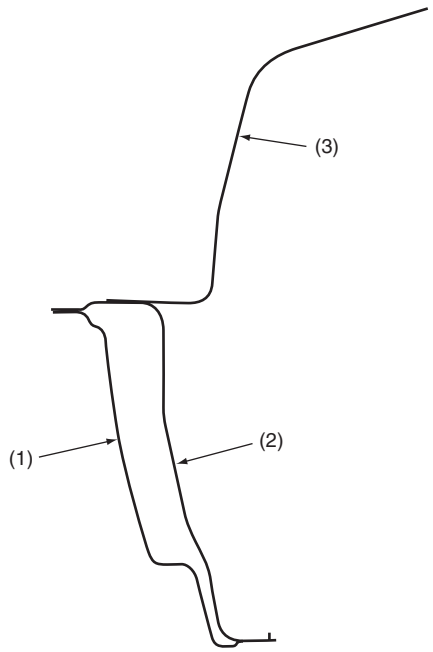
Cross section L — L



BS-03322

(1) Outer panel side
(2) Center pillar reinforcement outer
(3) Center pillar inner

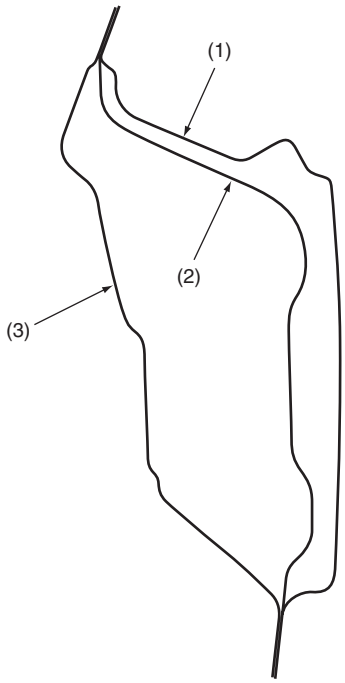
Cross section M — M



BS-03323

(1) Outer panel side
(2) Rear arch inner
(3) Rear wheel apron

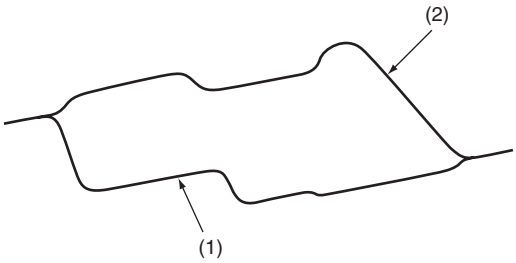
Cross section P — P



BS-03324

(1) Outer panel side
(2) D-pillar reinforcement
(3) Quarter panel rear inner

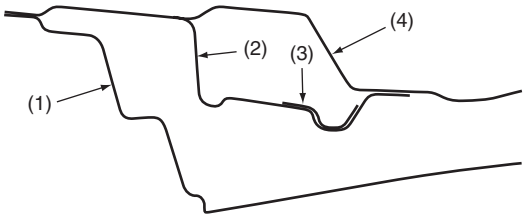
Cross section N — N



BS-03325

(1) Outer panel side
(2) Rear quarter panel inner

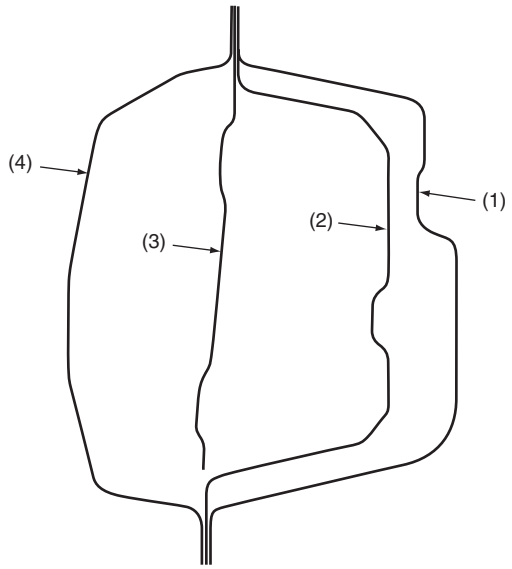
Cross section Q — Q



BS-03326

(1) Outer panel side
(3) C-pillar reinforcement
(3) C-pillar doubler
(4) Quarter panel rear inner

Cross section R — R



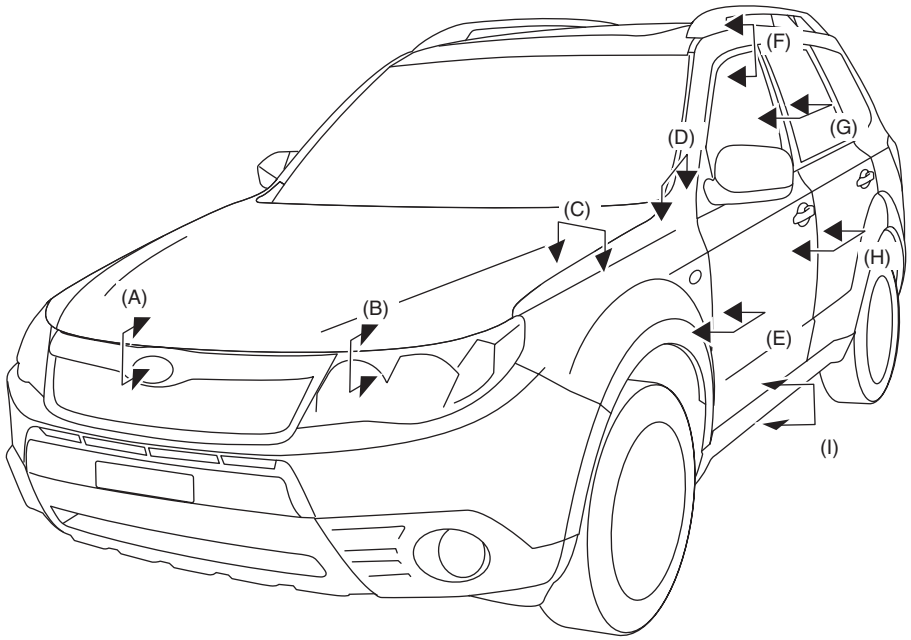
BS-03392

(1) Outer panel side
(2) Side sill outer reinforcement
(3) Side sill reinforcement
(4) Side sill inner front

5. Gauge Values for Fitting

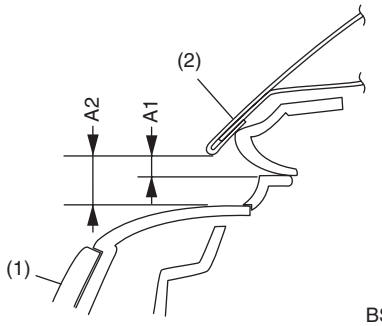
A: DIMENSIONS

1. FRONT



BS-03434

(A) Between front hood panel to front grille

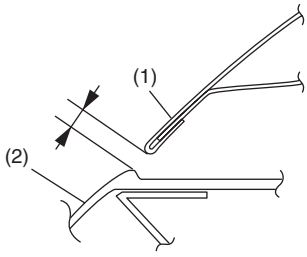


BS-03435

(A1) 2.1±1.0 mm (0.08 ±0.04 in)
(A2) 7.6±1.0 mm (0.3±0.04 in)

(1) Front grille
(2) Front hood panel

(B) Between front hood panel to headlight

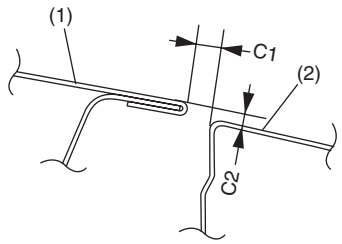


BS-03436

(B) 5.5±1.0 mm (0.22±0.04 in)

(1) Front hood panel
(2) Headlight

(C) Between front hood panel to front fender panel

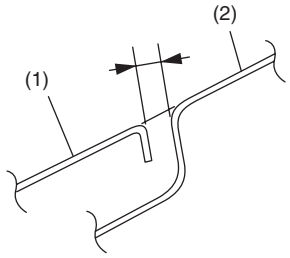


BS-03393

(C1) 3.5±1.0 mm (0.14±0.04 in)
(C2) 0.5+1.0, −0.5 mm (0.02+0.04, −0.02 in)

(1) Front hood panel
(2) Front fender panel

(D) Between front fender panel to front pillar panel

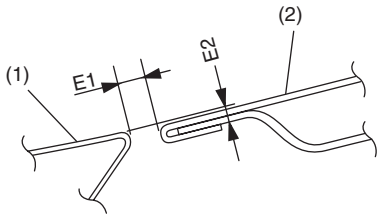


BS-03438

(D) 3.0±1.0 mm (0.12±0.04 in)

(1) Front fender panel
(2) Front pillar panel

(E) Between front fender panel to front door panel

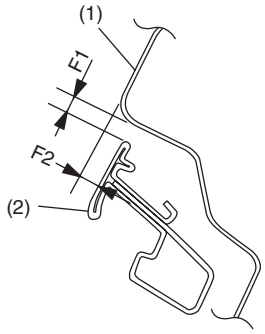


BS-03439

(E1) 4.0±1.0 mm (0.16±0.04 in)
(E2) 0+1.0, −0.5 mm (0+0.04, −0.02 in)

(1) Front fender panel
(2) Front door panel

(F) Between roof panel to front door sash

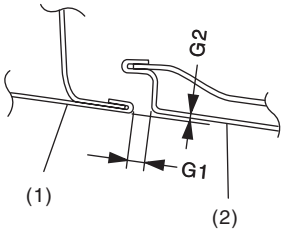


BS-03440

(F1) 5.0±1.0 mm (0.20±0.04 in)
(F2) 3.8±1.0 mm (0.15±0.04 in)

(1) Roof panel
(2) Front door sash

(G) Between front door sash to rear door sash

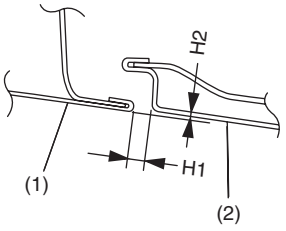


BS-03441

(G1) 5.5±1.0 mm (0.22±0.04 in)
(G2) 0+1.0, −0.5 mm (0+0.04, −0.02 in)

(1) Front door sash
(2) Rear door sash

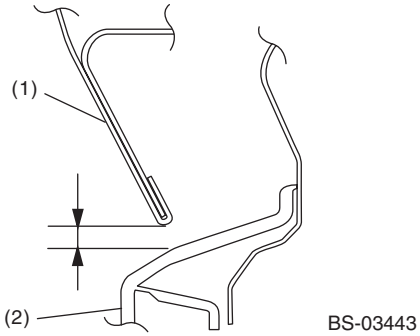
(H) Between front door panel to rear door panel



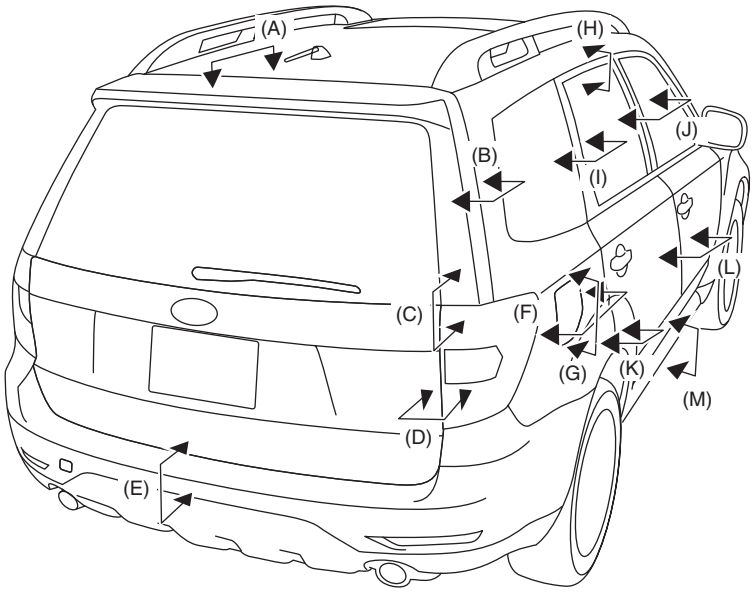
BS-03442

(H1) 4.5±1.0 mm (0.18±0.04 in)
(H2) 0+1.0, −0.5 mm (0+0.04, −0.02 in)

(1) Front door panel
(2) Rear door panel

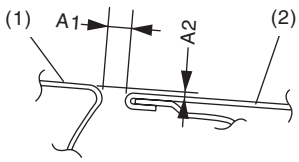
(I) Between front door panel to side sill spoiler  BS-03443 (I) 6.0±1.0 mm (0.24±0.04 in) (1) Front door panel (2) Side sill spoiler	

2. REAR



BS-03444

(A) Between roof panel to rear gate panel

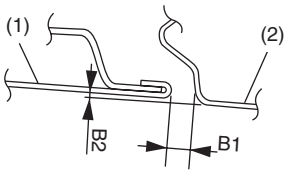


BS-03445

(A1) 6.5+1.0, −0.5 mm (0.26+0.04, −0.02 in)
(A2) 1.5±1.0 mm (0.06±0.04 in)

(1) Roof panel
(2) Rear gate panel

(B) Between rear gate panel to rear quarter panel

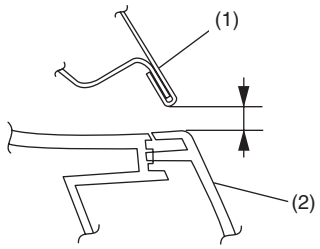


BS-03446

(B1) 6.8±1.0 mm (0.27±0.04 in)
(B2) 0−1.5 mm (0−0.06 in)

(1) Rear gate panel
(2) Rear quarter panel

(C) Between rear combination light to rear gate panel

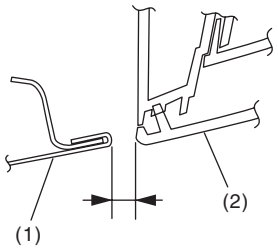


BS-03447

(C) 5.5±1.0 mm (0.22±0.04 in)

(1) Rear gate panel
(2) Rear combination light

(D) Between rear combination light to rear gate panel

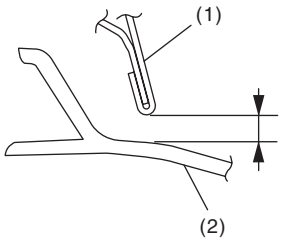


BS-03448

(D) 5.0±1.0 mm (0.20±0.04 in)

(1) Rear gate panel
(2) Rear combination light

(E) Between rear gate panel to rear bumper

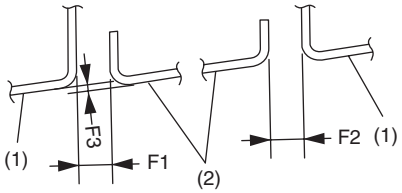


BS-03449

(E) 7.1±1.0 mm (0.28±0.04 in)

(1) Rear gate panel
(2) Rear bumper

(F) Between rear quarter panel to fuel filler lid

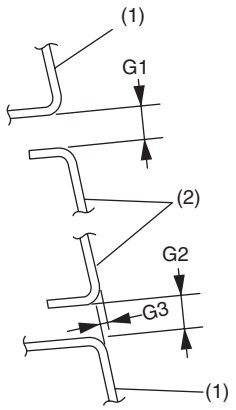


BS-03401

(F1) 3.5±0.5 mm (0.14±0.06 in)
(F2) 3.5±0.5 mm (0.14±0.06 in)
(F3) 0.2±0.4 mm (0.01±0.02 in)

(1) Rear quarter panel
(2) Fuel filler lid

(G) Between rear quarter panel to fuel filler lid

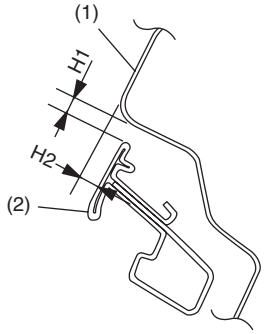


BS-03402

(G1) 3.5±0.5 mm (0.14±0.06 in)
(G2) 3.5±0.5 mm (0.14±0.06 in)
(G3) 0.2±0.4 mm (0.01±0.02 in)

(1) Rear quarter panel
(2) Fuel filler lid

(H) Between roof panel to rear door sash

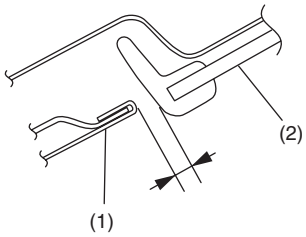


BS-03452

(H1) 5.0±1.0 mm (0.20±0.04 in)
(H2) 3.8±1.0 mm (0.15±0.04 in)

(1) Roof panel
(2) Rear door sash

(I) Between rear door sash to rear quarter glass

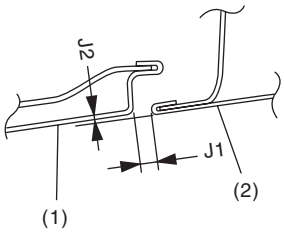


BS-03394

(I) 5.5±1.0 mm (0.22±0.04 in)

(1) Rear door sash
(2) Rear quarter glass

(J) Between rear door sash to front door sash

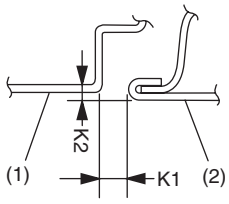


BS-03454

(J1) 5.5±1.0 mm (0.22±0.04 in)
(J2) 0+1.0, −0.5 mm (0+0.04, −0.02 in)

(1) Rear door sash
(2) Front door sash

(K) Between rear door panel to rear quarter panel

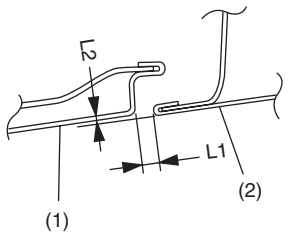


BS-03455

(K1) 4.0±1.0 mm (0.16±0.04 in)
(K2) 0±1.0 mm (0±0.04 in)

(1) Rear quarter panel
(2) Rear door panel

(L) Between front door panel to rear door panel

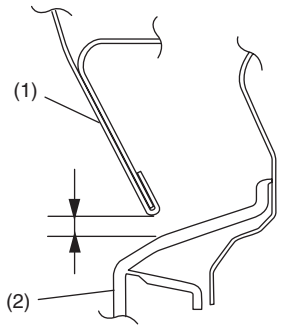


BS-03456

(L1) 4.5±1.0 mm (0.18±0.04 in)
(L2) 0+1.0, −0.5 mm (0+0.04, −0.02 in)

(1) Rear door panel
(2) Front door panel

(M) Between rear door panel to side sill spoiler



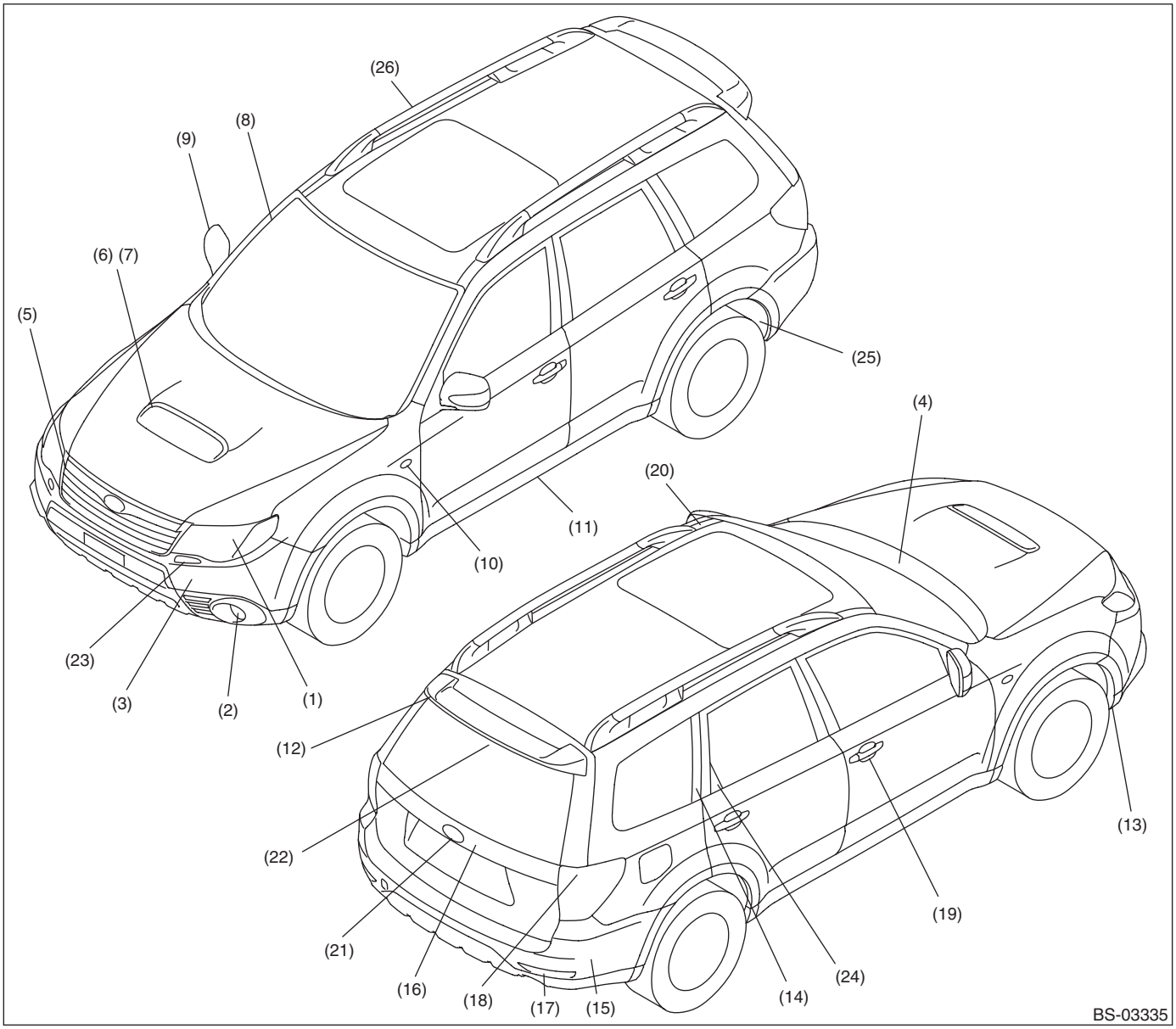
BS-03457

(M) 6.0±1.0 mm (0.24±0.04 in)

(1) Rear door panel
(2) Side sill spoiler

6. Plastic Parts and Materials

A: SPECIFICATION



(1) Headlight
(2) Front fog light
(3) Front bumper
(4) Cowl panel
(5) Front grille
(6) Hood grille
(7) Hood duct inner
(8) Front window moulding
(9) Door mirror
(10) Side turn light
(11) Side sill garnish
(12) Roof spoiler
(13) Front mudguard
(14) Rear quarter moulding
(15) Rear bumper
(16) Rear gate garnish
(17) Rear reflex reflector
(18) Rear combination light
(19) Door handle
(20) Roof moulding
(21) Rear gate opener switch
(22) High mount stop light
(23) Headlight washer
(24) Cover gusset outer
(25) Rear mudguard
(26) Roof rail (model with roof rail)

No.	Part name			Material
(1)	Headlight	Lens		PC
		Housing		PP
		Extension		PBT + PET
(2)	Front fog light (standard)	Bracket (housing)		PP-GF40
(3)	Front bumper	Face		PP
		Fog light cover		PP
		Hook cover		PP
		Center lower bracket		PP
		Side bracket		POM
		Corner bracket		PP-GF20
(4)	Cowl panel	Body, side		PP
(5)	Front grille			ABS
(6)	Hood grille			PA/PPE
(7)	Hood duct inner			PP + EPDM
(8)	Front window moulding			PVC
(9)	Door mirror	Body		ASA
		Outer cover		ABS
		Mirror holder		PP
(10)	Side turn light	Lens		PMMA
		Housing		PC
(11)	Side sill garnish			PP
(12)	Roof spoiler	Body		ABS
(13)	Front mudguard	Body		PE
		Air flap		PE
(14)	Rear quarter moulding			AES
(15)	Rear bumper	Face		PP
		Side bracket		POM
		Corner bracket		POM
(16)	Rear gate garnish			PP + AES
(17)	Rear reflex reflector	Lens		PMMA
		Housing		ABS
(18)	Rear combination light	Lens		PMMA
		Housing		ASA
		Reflector		PC
(19)	Door handle	Handle	Paintless model	PA6
			Plating model	PC + ABS
		Cover handle outer door	Paintless model	PA6
			Plating model	PC + ABS
		Spacer handle outer door		PP
(20)	Roof moulding			PVC
(21)	Rear gate opener switch			PP-GF35
(22)	High mount stop light	Lens		PC
		Housing		PP
		Cover		PP
(23)	Headlight washer	Cover		ABS
		Nozzle bracket		POM
(24)	Cover gusset outer			AES
(25)	Rear mudguard	Body		PE
(26)	Roof rail	Cover		PC + PET
		Leg		PA66-GF/MF57, PA6-GF30
	Under cover	Body		PP

No.	Part name		Material
	Splash board		PP
	Rear wiper	Blade	PBT
		Arm	PET
		Arm cover	PBT

7. List of Plastic Material Notations

A: SPECIFICATION

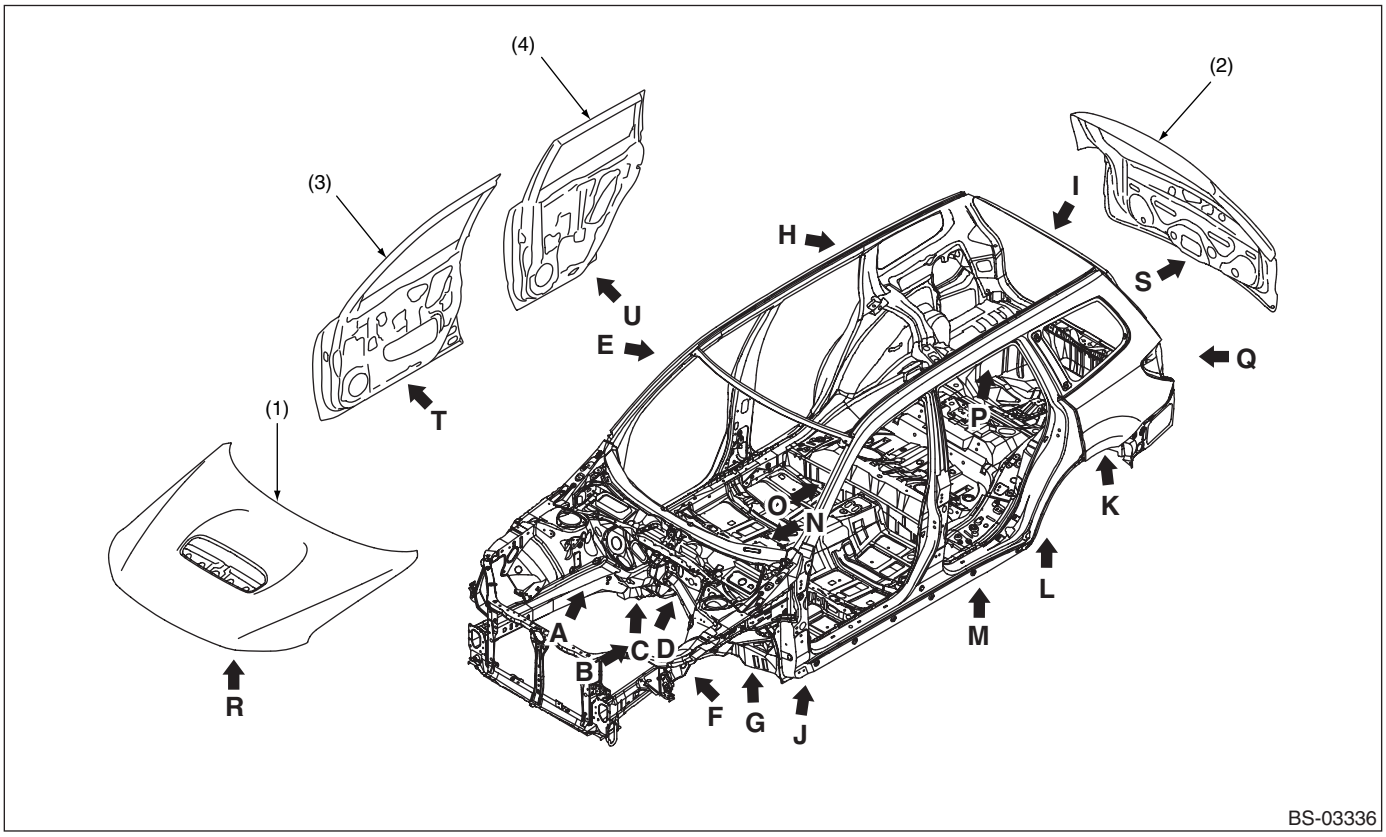
Notation symbol	Material name	Notation symbol	Material name
ABS	ABS resin (acrylonitrile/butadiene/styrene/ resin)	PE	Polyethylene
AES	Acrylonitrile/ethylene/styrene	PET	Polyethylene terephthalate
ASA	Acrylonitrile/styrene/acrylate	PMMA	Polymethyl methacrylate
EPDM	Ethylene/propylene/dien rubber	POM	Polyacetal
PA/PPE	Noryl Nylon	PP	Polypropylene
PBT	Poly (butylene terephthalate)	PP-GF20	Polypropylene (20% glass fiber content)
PA6	Polyamide 6	PP-GF35	Polypropylene (35% glass fiber content)
PA6-GF30	Polyamide 6 (35% glass fiber content)	PP-GF40	Polypropylene (40% glass fiber content)
PA66-GF/MF57	Polyamide 66 (57% glass fiber and melamine-formaldehyde content)	PVC	Polyvinyl chloride
PC	Polycarbonate		

8. Body Sealing

A: SPECIFICATION

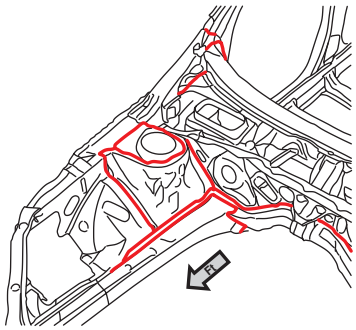
Used material: **Three Bond 4101 (004403063)**

: Sealer application location



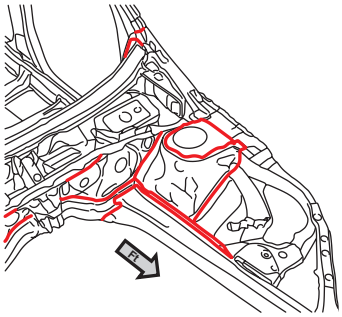
(1) Front hood
(2) Rear gate
(3) Front door
(4) Rear door

View A



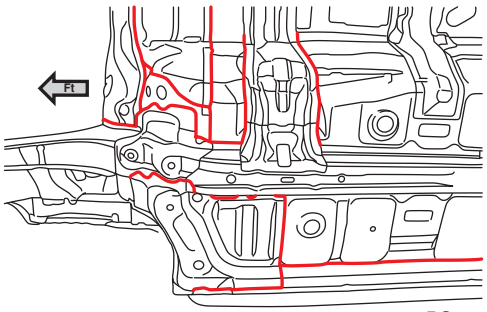
BS-03337

View B



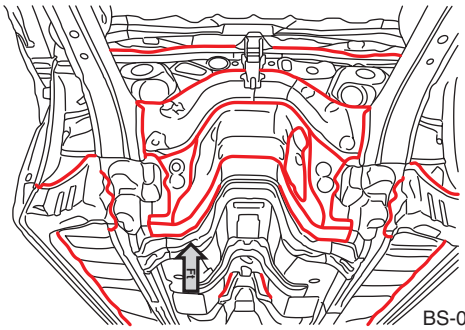
BS-03338

View C



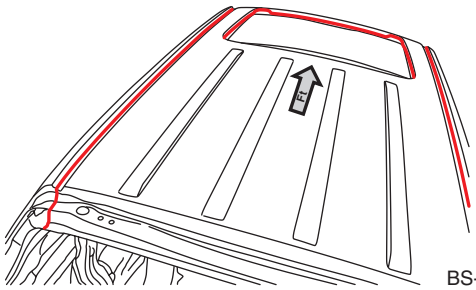
BS-03127

View D



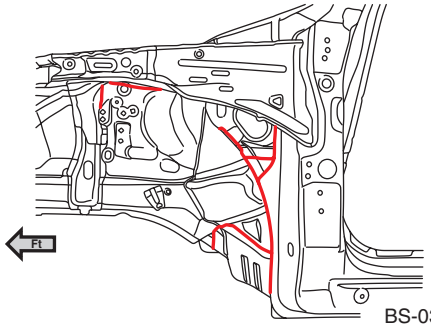
BS-03339

View E



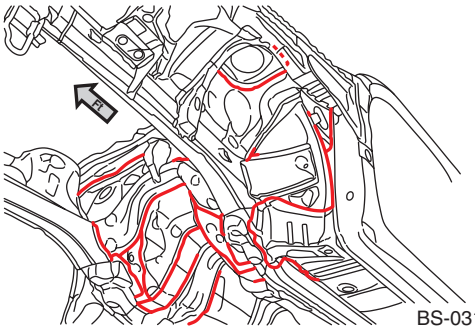
BS-03129

View F



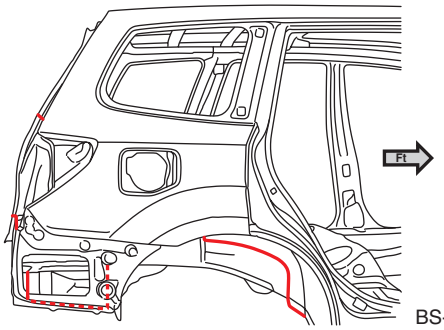
BS-03130

View G



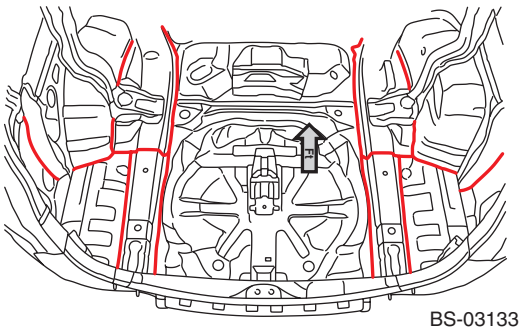
BS-03131

View H



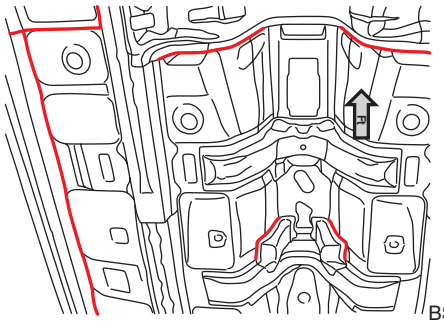
BS-03132

View I



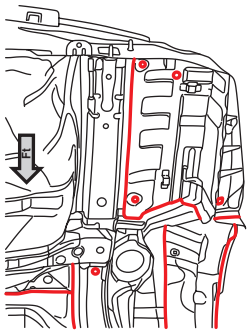
BS-03133

View J



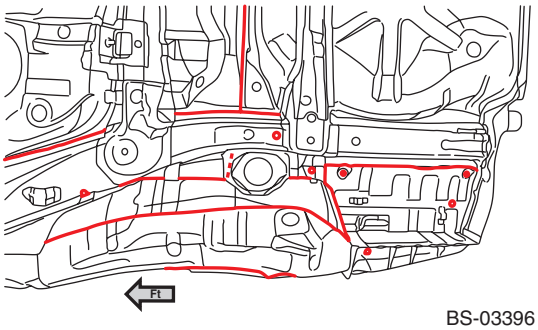
BS-03134

View K



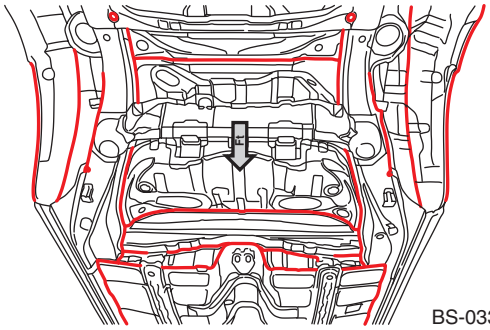
BS-03395

View L



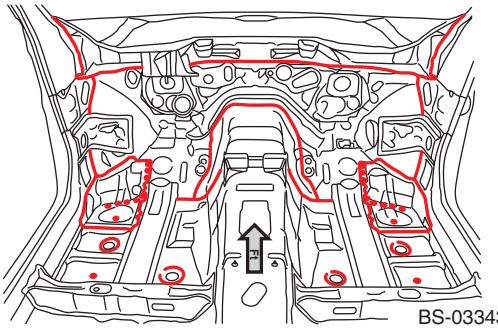
BS-03396

View M



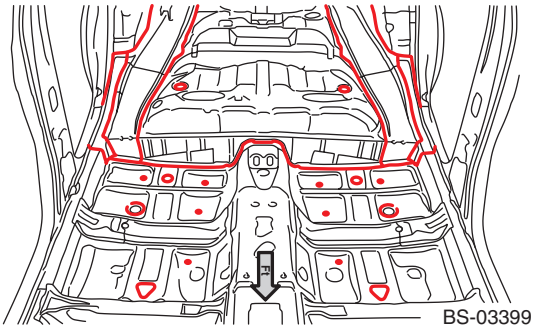
BS-03397

View N



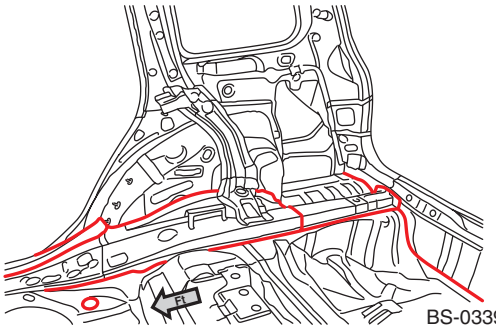
BS-03343

View O



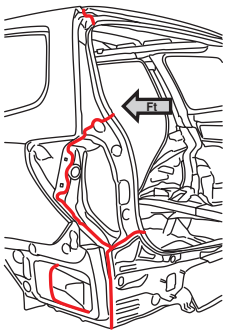
BS-03399

View P



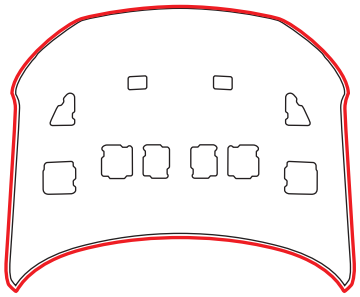
BS-03391

View Q



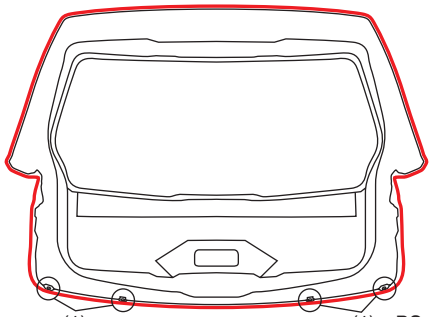
BS-03332

View R



BS-03141

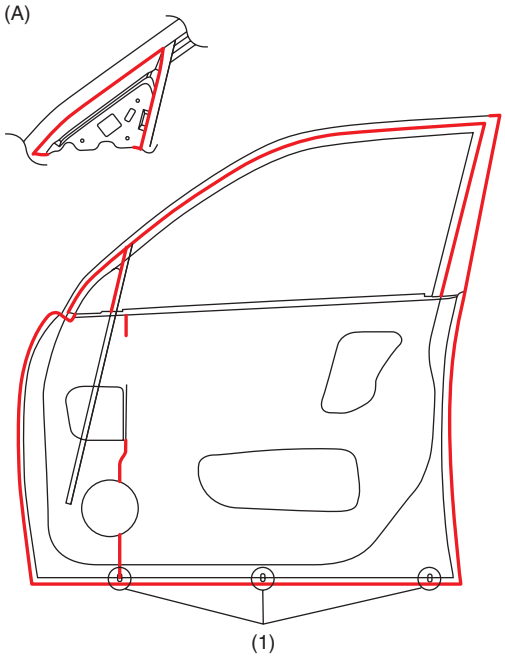
View S



BS-03142

(1) Do not block the water drain holes.

View T

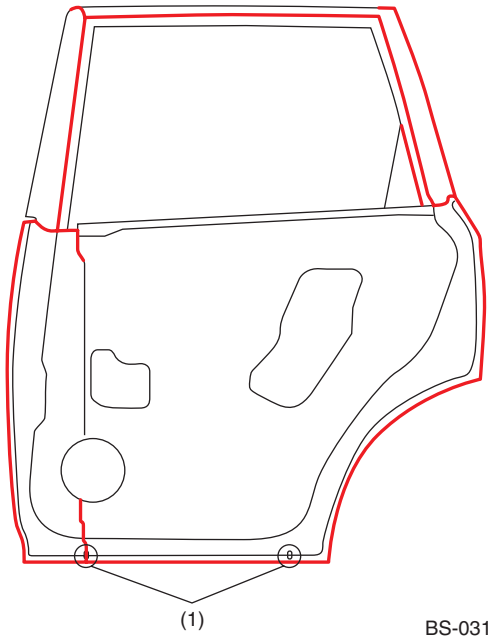


BS-03400

(A) Inside side

(1) Do not block the water drain holes.

View U



BS-03144

(1) Do not block the water drain holes.

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

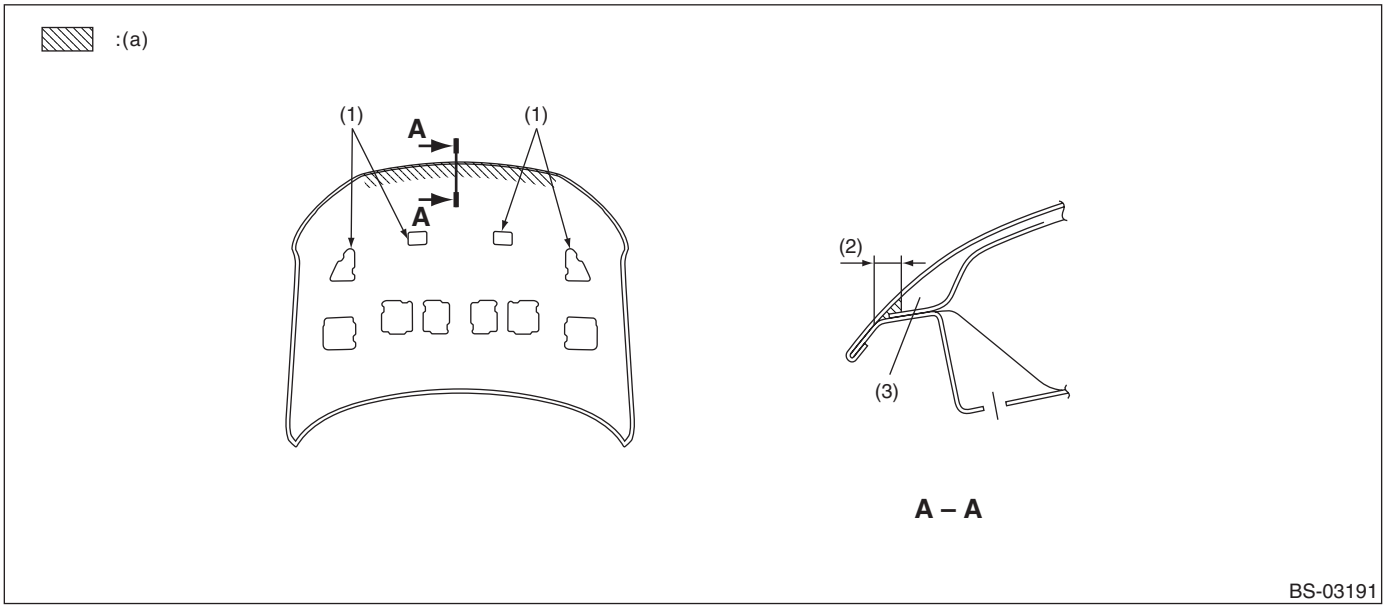
9. Anticorrosion Wax

A: SPECIFICATION

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

— and ▨ ▨ ▨: **Application area**

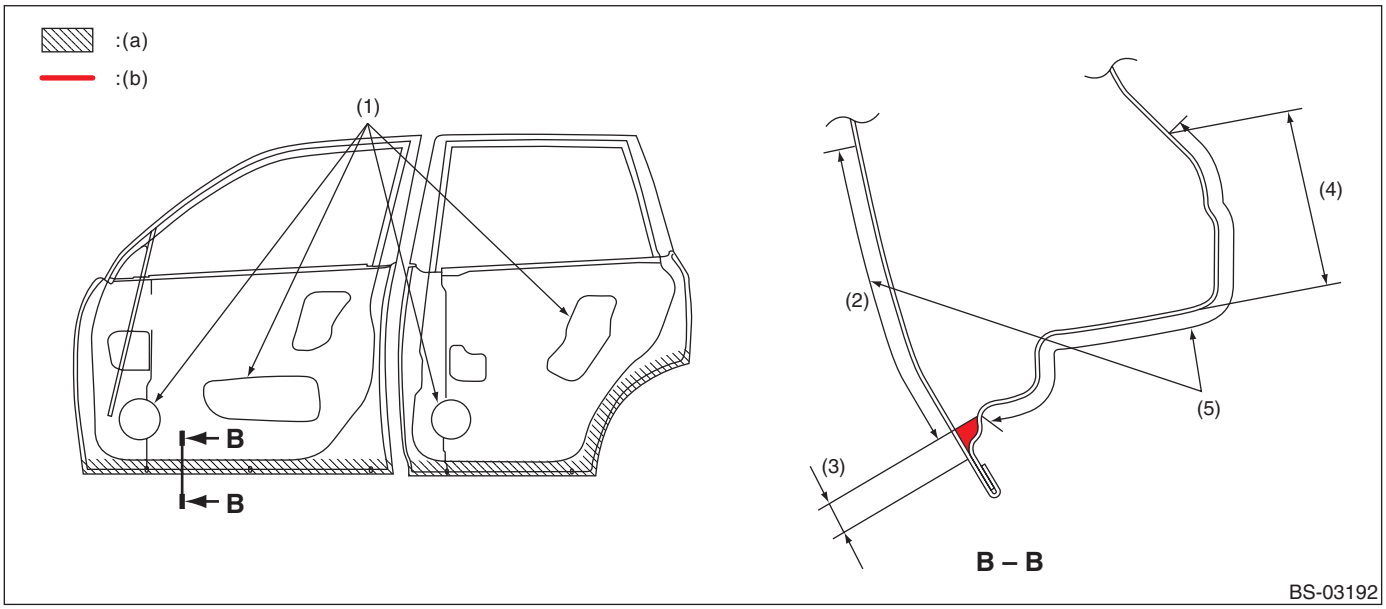
- Front hood (Application thickness = 50 μm or more)



(a) Rust-stop aerosol

(1) Wax application work openings (2) 10 mm (0.39 in) (3) Adherence of mist is allowable.

- Door (Application thickness = 50 μm or more)



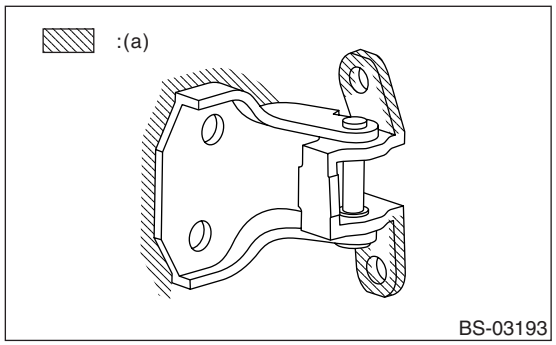
(a) Rust-stop aerosol (b) To be filled into the plate joint.

(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)

• Door hinge (Application thickness = 15 μm or more)

Apply to the contact surface (indicated range) on body side at two locations at the top and bottom (four locations in all), and to the installation outer circumference (plate edges) on the door side.

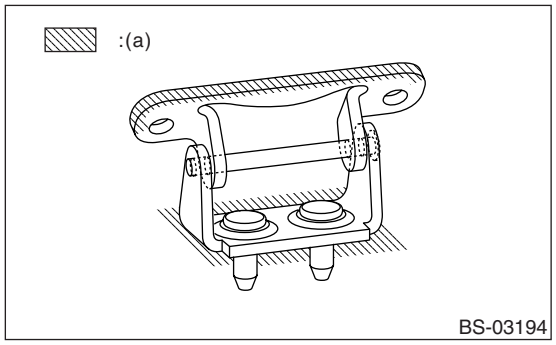
CAUTION:
When removing fender or hinge, applying is needed.



(a) Rust-stop aerosol

• Rear gate hinge (Application thickness = 15 μm or more)

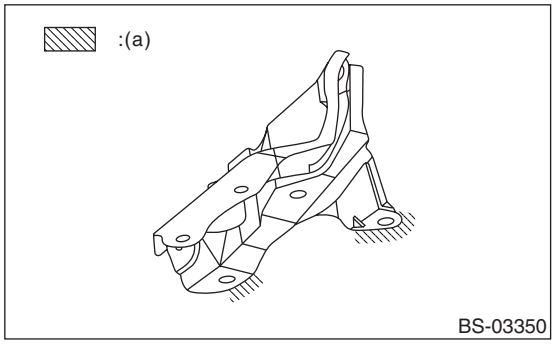
Apply to the contact surface on the body side at two locations on the left and right, and to installation outer circumference (indicated range, plate edges) on the rear gate side.



(a) Rust-stop aerosol

• Front hood hinge (Application thickness = 15 μm or more)

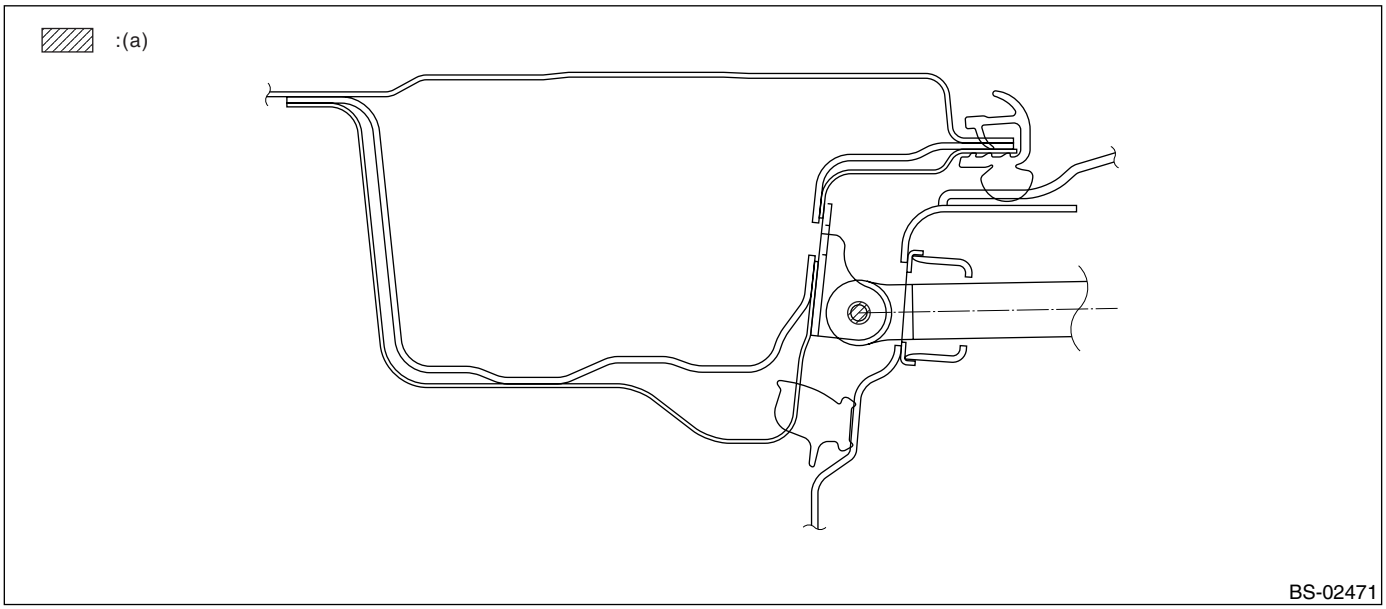
Apply to the contact surface on the body side at two locations on the left and right (plate edges).



(a) Rust-stop aerosol

- Door checker pin (Application thickness = 8 μm or more)

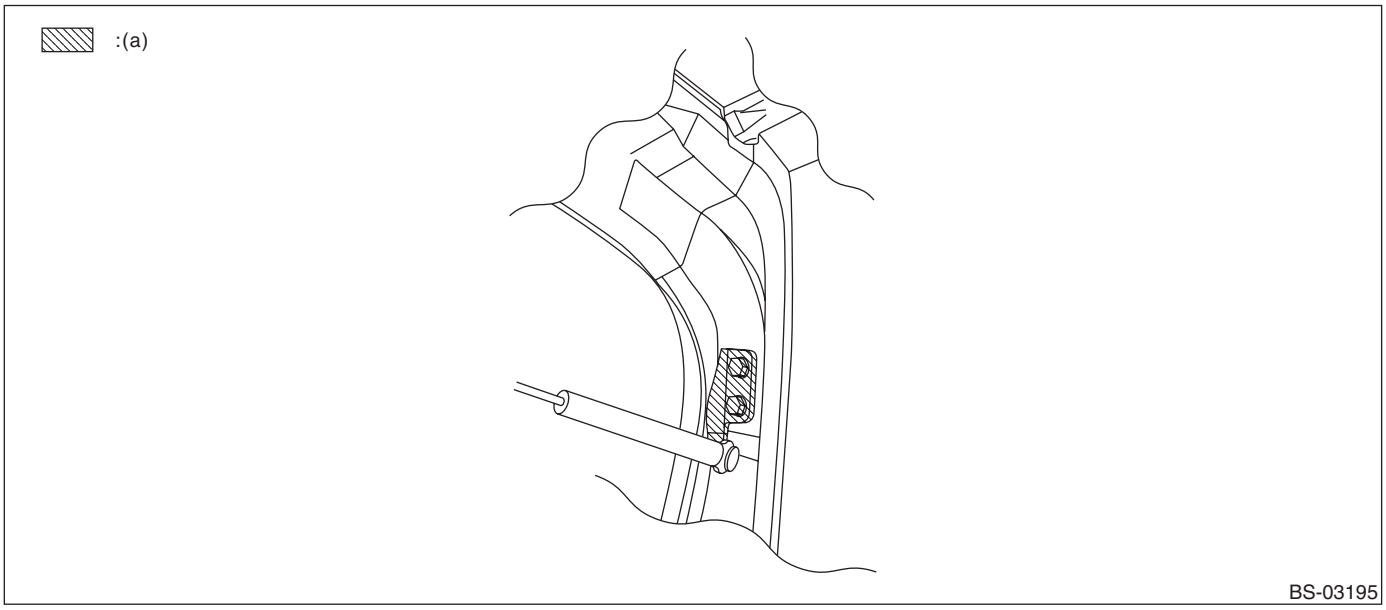
Apply to the checker pin caulking part on each door.



(a) Rust-stop aerosol

- Rear gate stay (Application thickness = 8 μm or more)

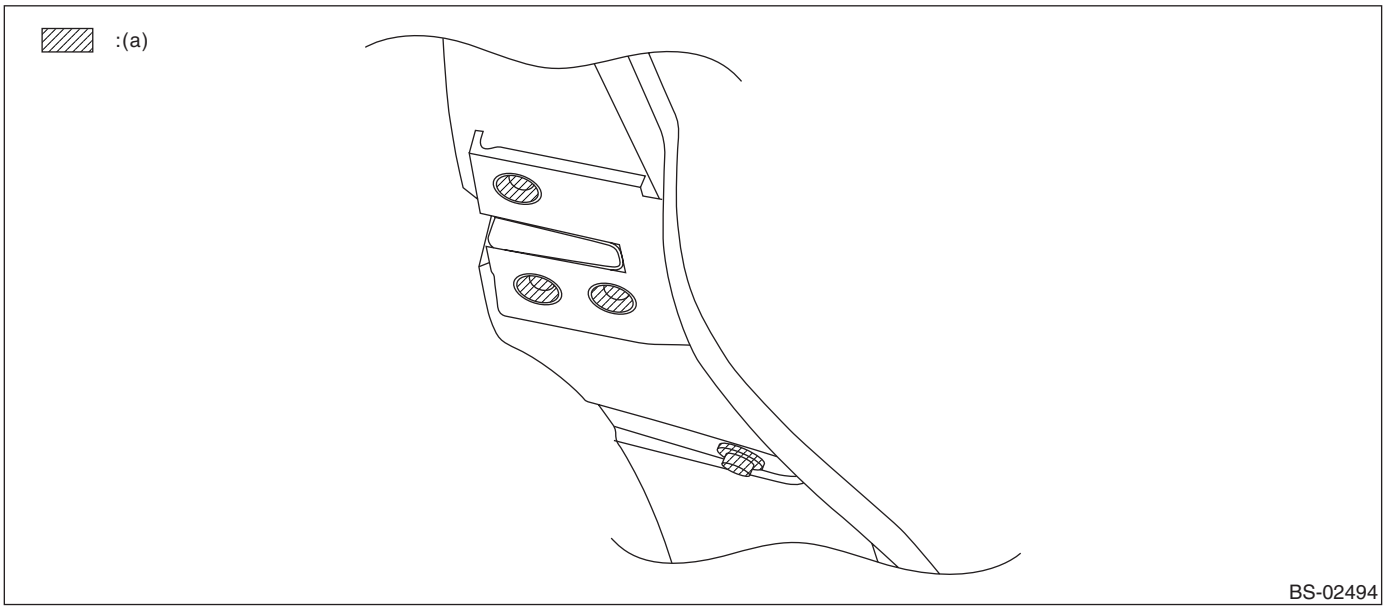
Apply to the plate edges of damper bracket part at two locations on the left and right, and to the bolt heads.



(a) Rust-stop aerosol

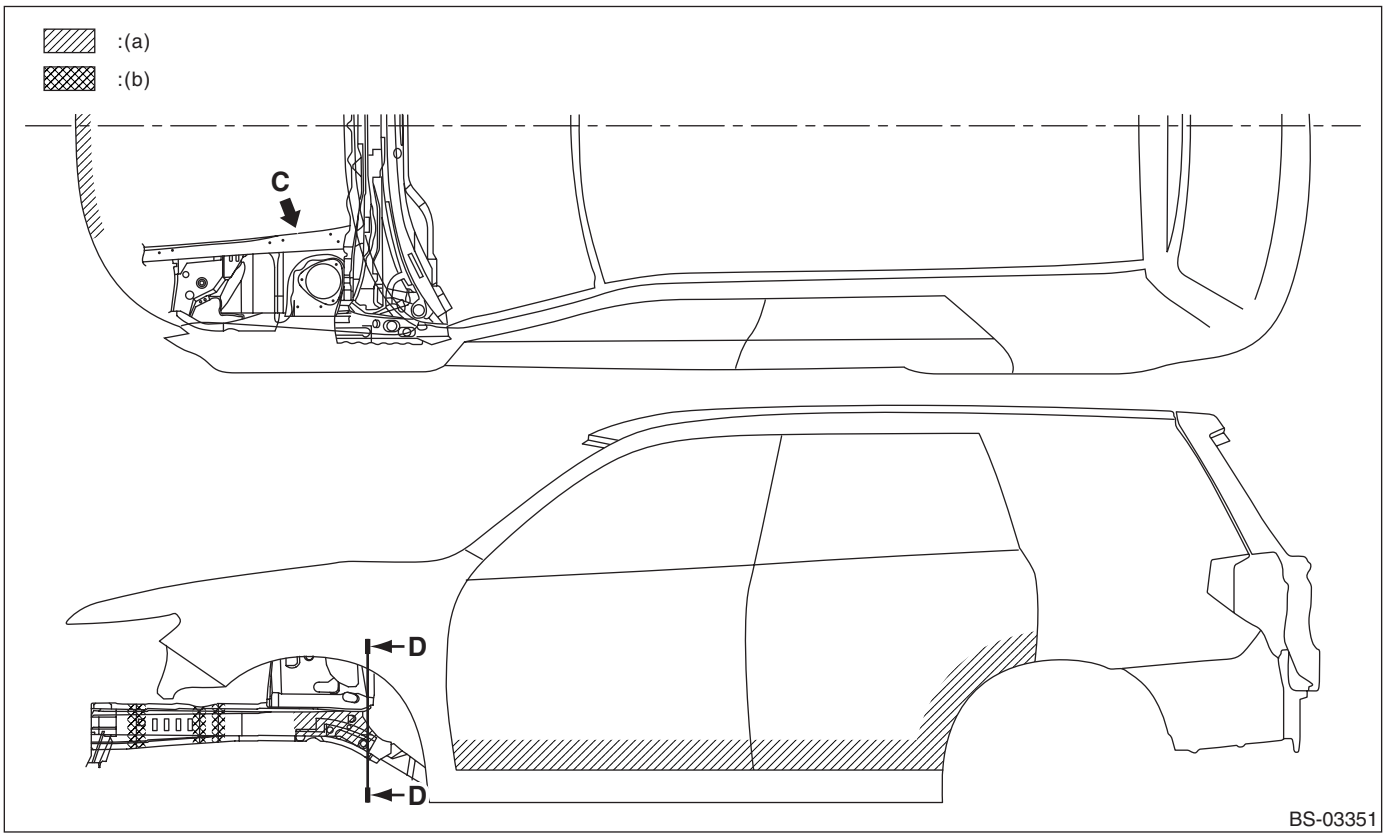
- Screw door latch (Application thickness = 15 μm or more)

Apply to the three latch mounting screws, and to the bracket sash mounting bolt.



(a) Rust-stop aerosol

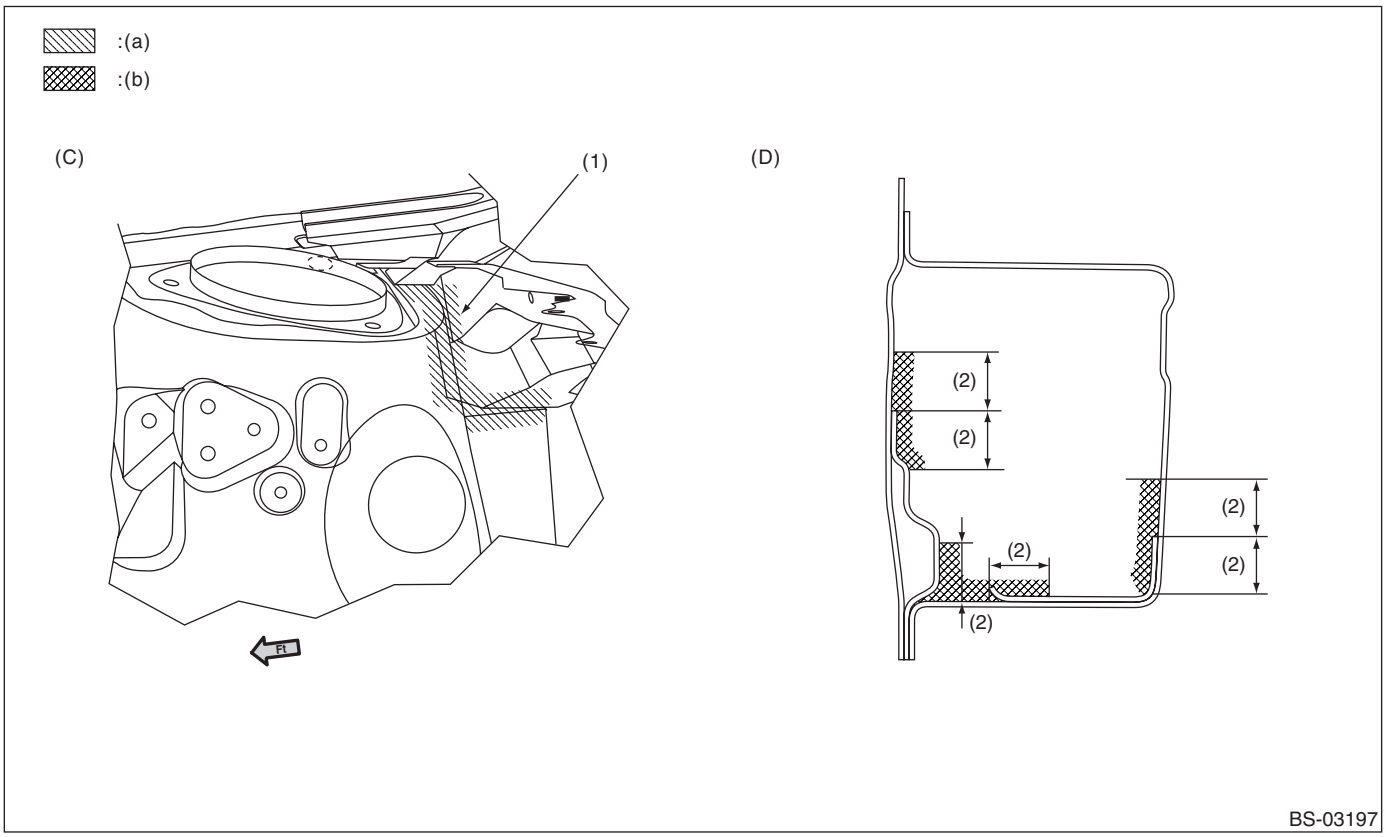
- Overall view



(a) Application of rust-stop aerosol to the inside. (Application thickness = 15 μm or more)

(b) Application of rust-stop aerosol to the inside. (Application thickness = 50 μm or more)

- Views/Cross sections



(a) Rust-stop aerosol (Application thickness = 15 μm or more)

(b) Rust-stop aerosol (Application thickness = 50 μm or more)

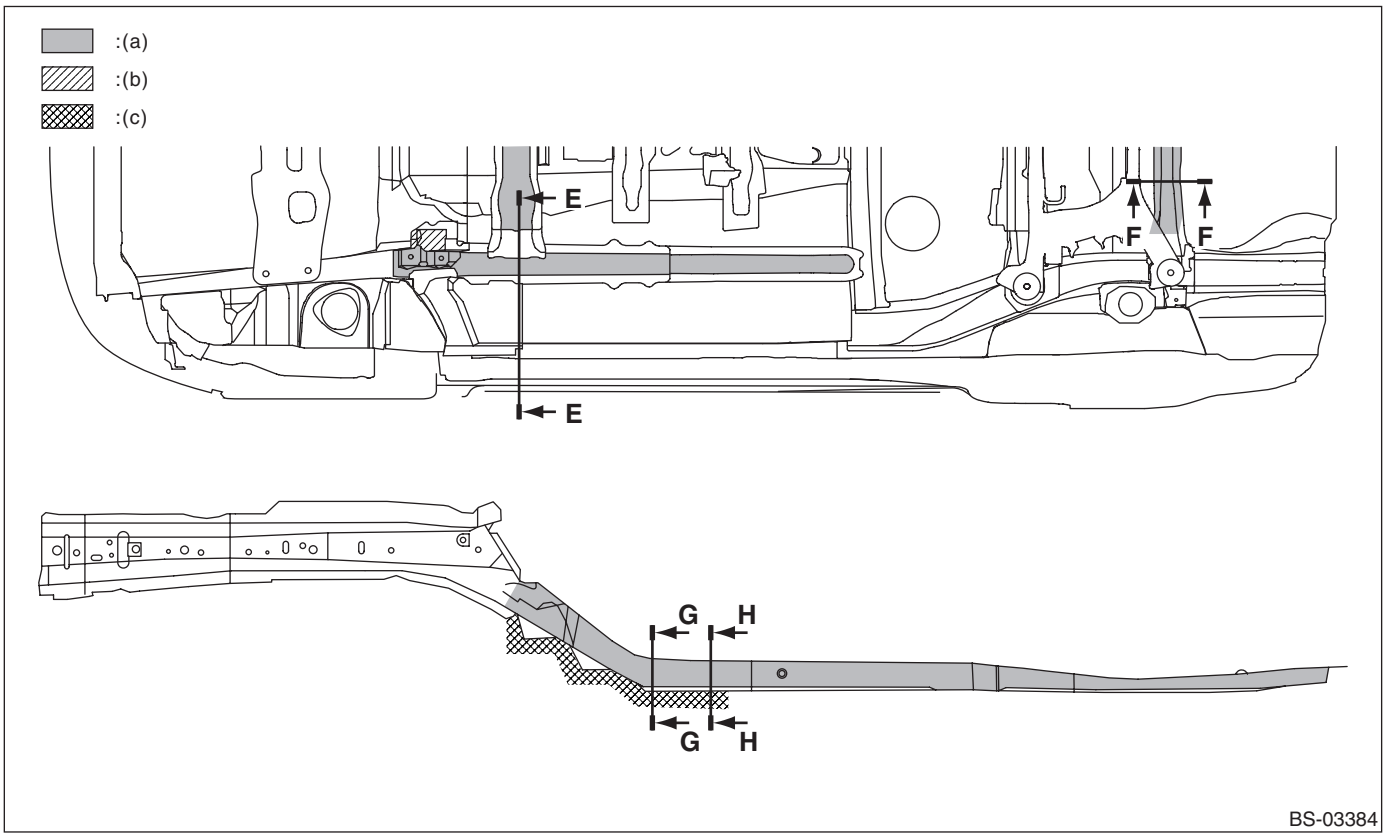
(C) View C

(D) Cross section D — D

(1) Apply without fail to the contact surface between front bulkhead and front suspension bracket.

(2) 20 mm (0.79 in)

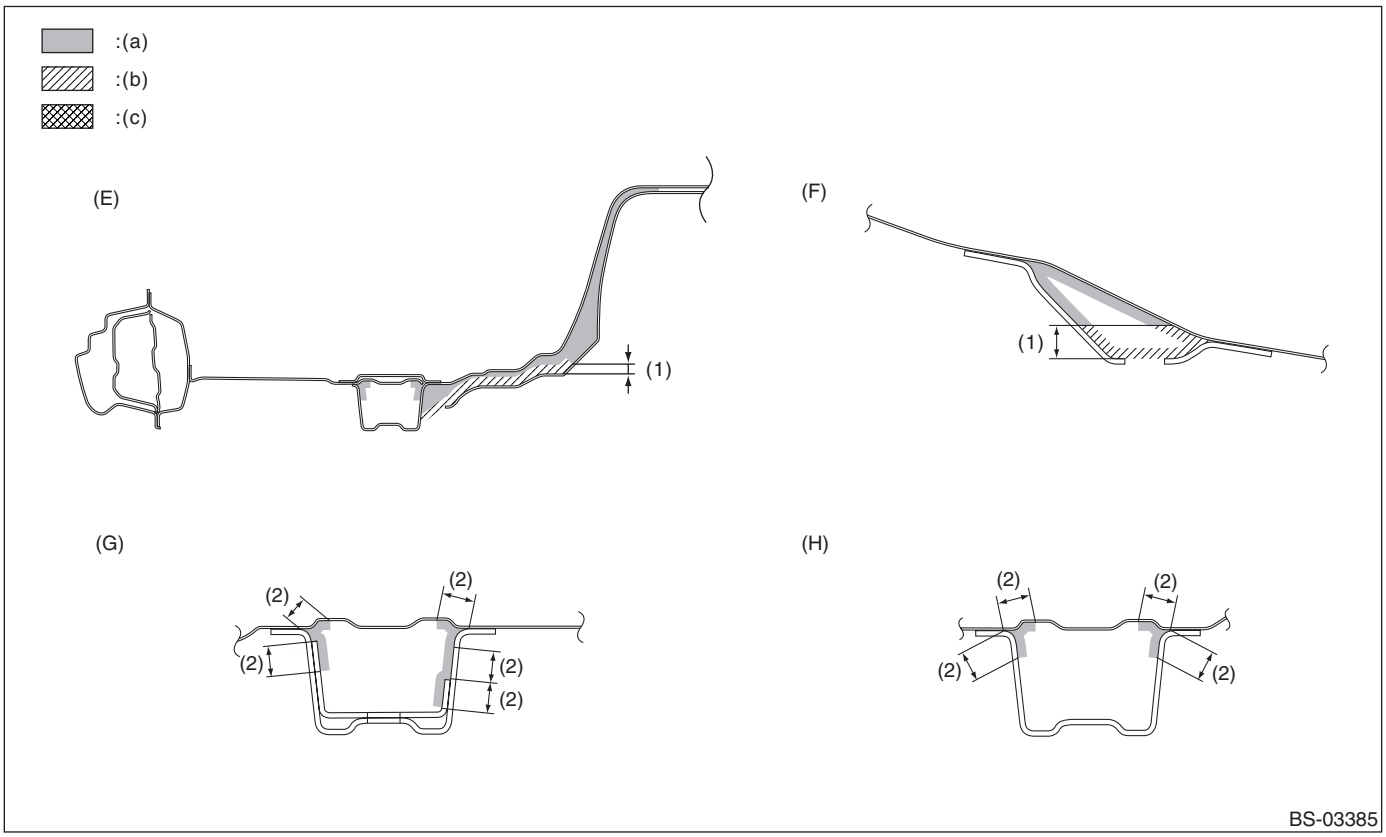
- Bottom view



(a) Rust-stop aerosol (Application thickness = 20 μm or more)

(b) Rust-stop aerosol (Application thickness = 50 μm or more)

(c) Rust-stop aerosol (Application thickness = 150 μm or more)



(a) Rust-stop aerosol (Application thickness = 20 μm or more)

(b) Rust-stop aerosol (Application thickness = 50 μm or more)

(c) Rust-stop aerosol (Application thickness = 150 μm or more)

(E) Cross section E — E

(F) Cross section F — F

(G) Cross section G — G

(H) Cross section H — H

(1) 10 mm (0.39 in)

(2) 20 mm (0.79 in)

10.Undercoat

A: SPECIFICATION

Repair material: **THREE BOND 6115**

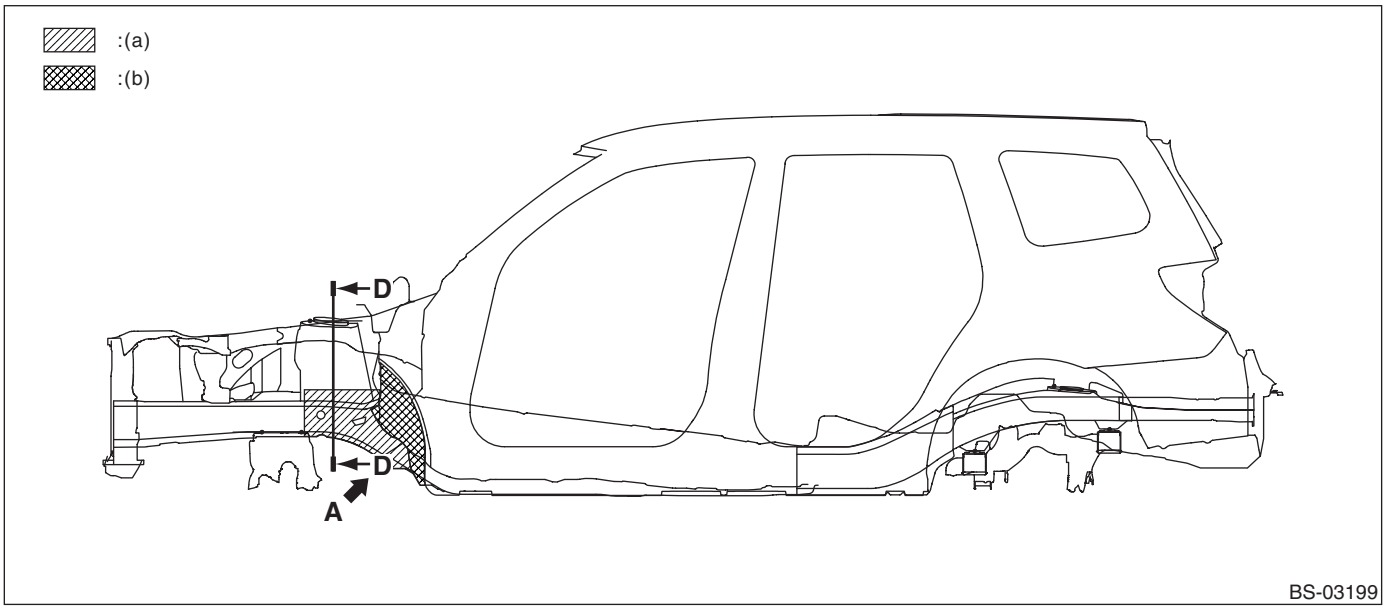
CAUTION:
Perform masking so that under the coat will not become attached to locations other than shown and to the following locations.

- 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

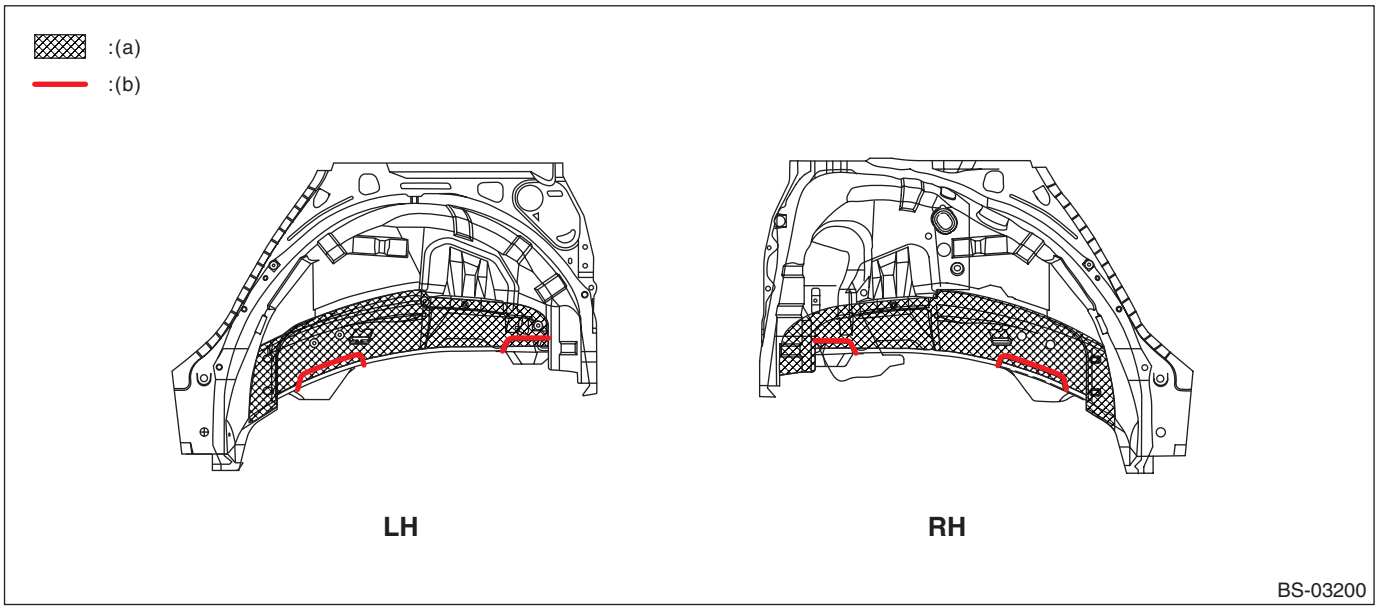
	200 μm or more
	300 μm or more
	600 μm or more
	The panel gap shall be filled.

- Side view



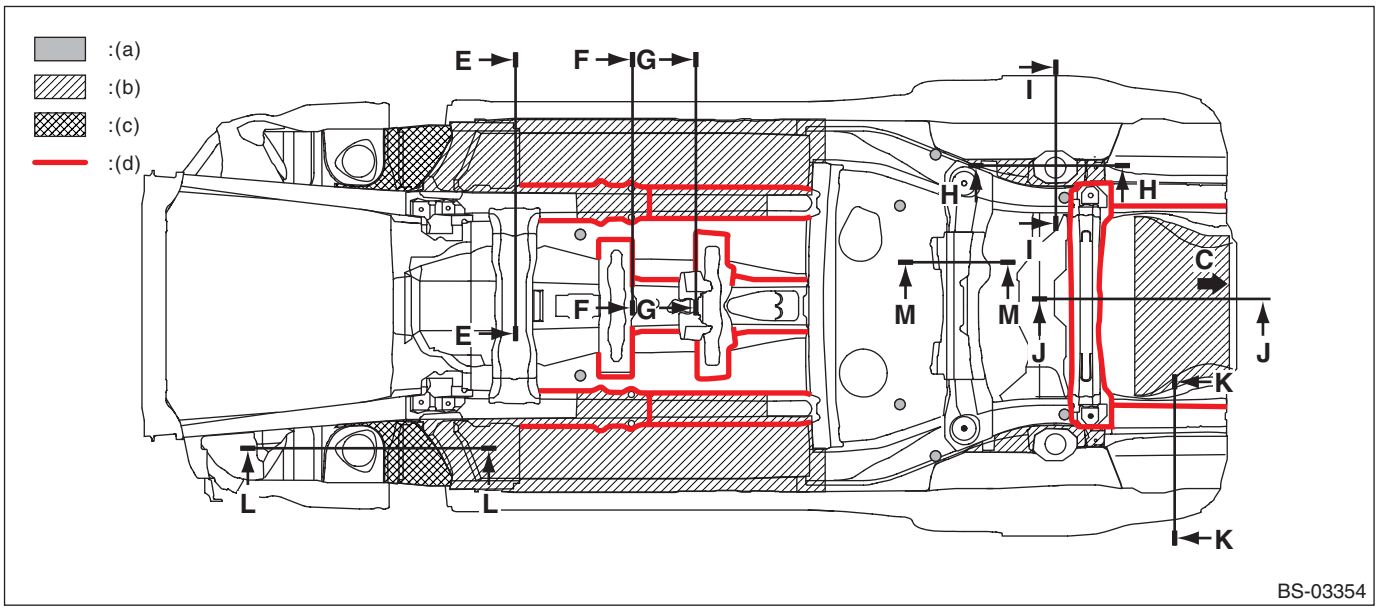
(a) 300 μm or more (b) 600 μm or more

- Rear wheel apron side view



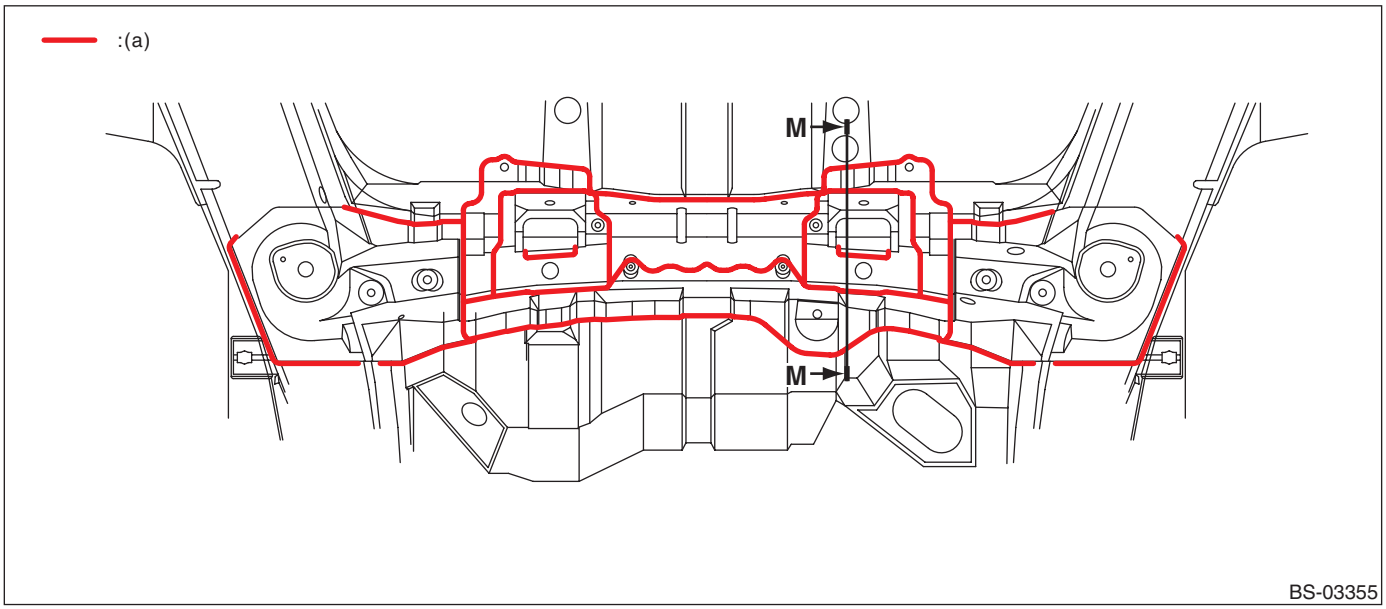
(a) 600 μm or more
(b) The panel gap shall be filled.

- Bottom view



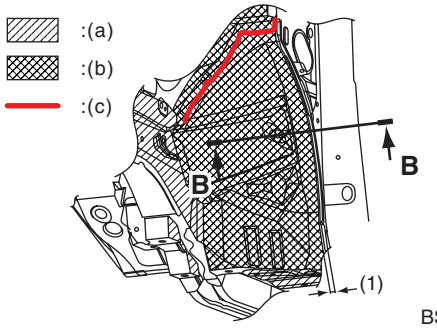
(a) 200 μm or more
(b) 300 μm or more
(c) 600 μm or more
(d) The panel gap shall be filled.

- Cross member mounting part lower side view



(a) The panel gap shall be filled.

View A

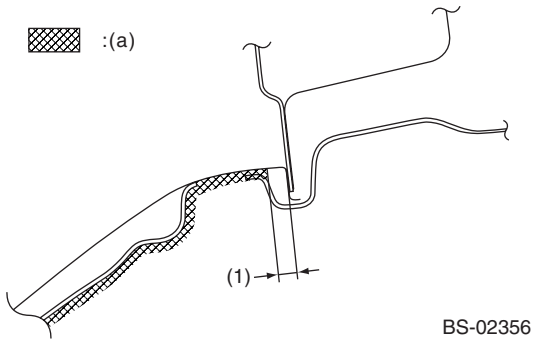


BS-03203

(a) 300 μm or more
(b) 600 μm or more
(c) The panel gap shall be filled.

(1) 10 mm (0.39 in)

Cross section B — B

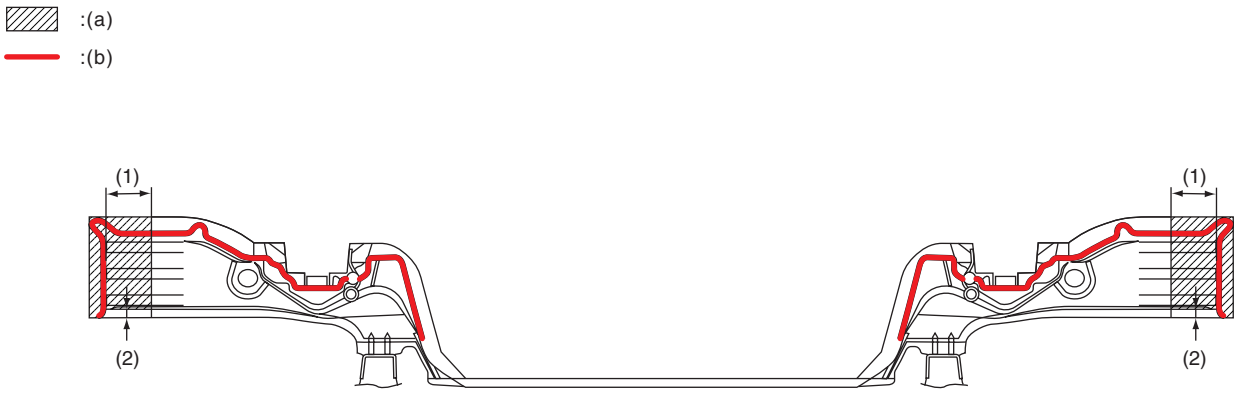


BS-02356

(a) 600 μm or more

(1) 10 mm (0.39 in)

View C

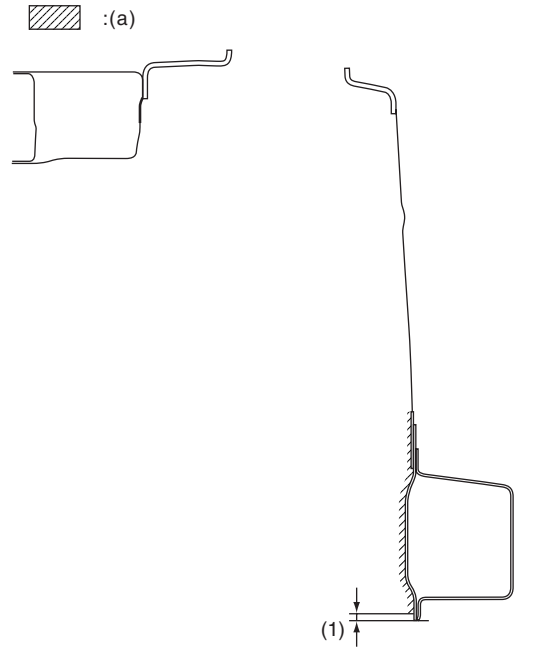


BS-03205

(a) 600 μm or more
(b) The panel gap shall be filled.

(1) 55 mm (2.17 in)
(2) 10 mm (0.39 in)

Cross section D — D

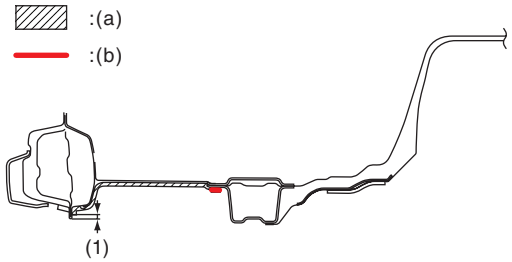


BS-03207

(a) 300 μm or more

(1) 5 mm (0.20 in)

Cross section E — E

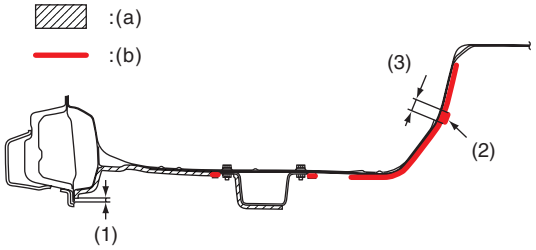


BS-03206

(a) 300 μm or more
(b) The panel gap shall be filled.

(1) 5 mm (0.20 in)

Cross section F — F

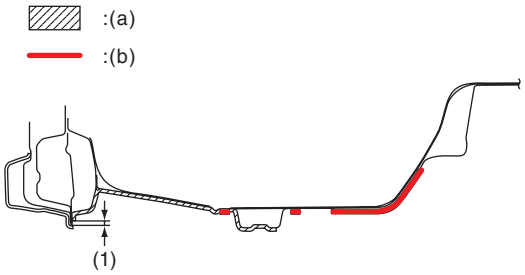


BS-03208

(a) 300 μm or more
(b) The panel gap shall be filled.

(1) 5 mm (0.20 in)
(2) Tailored blank welding line. The plate joint shall be covered.
(3) 20 mm (0.79 in) or more

Cross section G — G

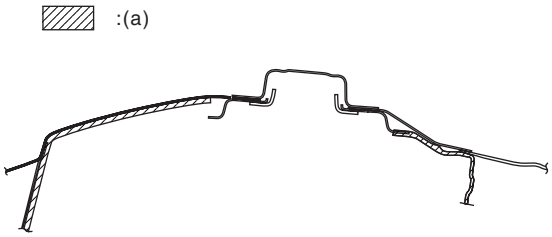


BS-03209

(a) 300 μm or more
(b) The panel gap shall be filled.

(1) 5 mm (0.20 in)

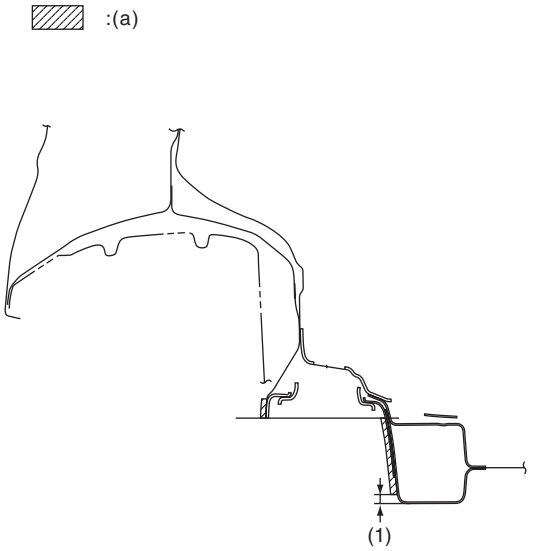
Cross section H — H



BS-03211

(a) 300 mm or more

Cross section I — I

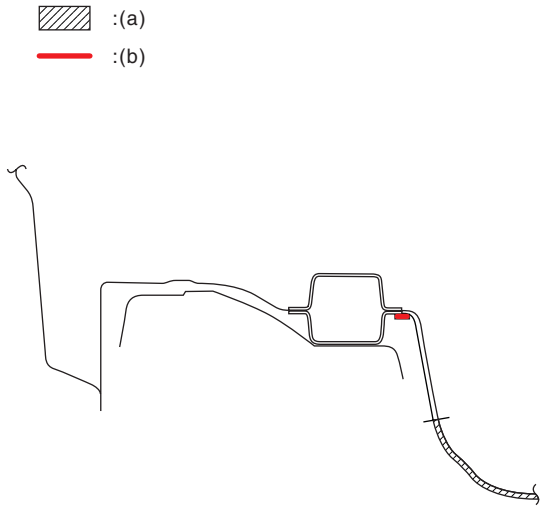


BS-03210

(a) 300 μm or more

(1) 10 mm (0.39 in)

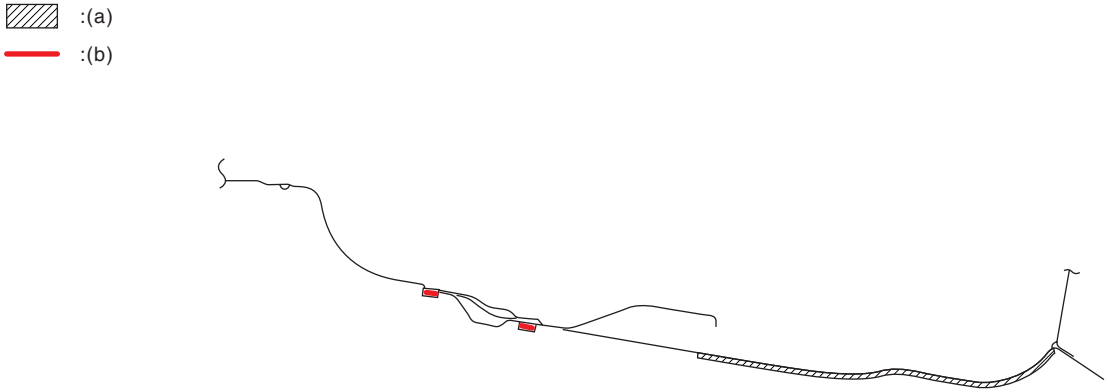
Cross section K — K



BS-03357

(a) 300 μm or more
(b) The panel gap shall be filled.

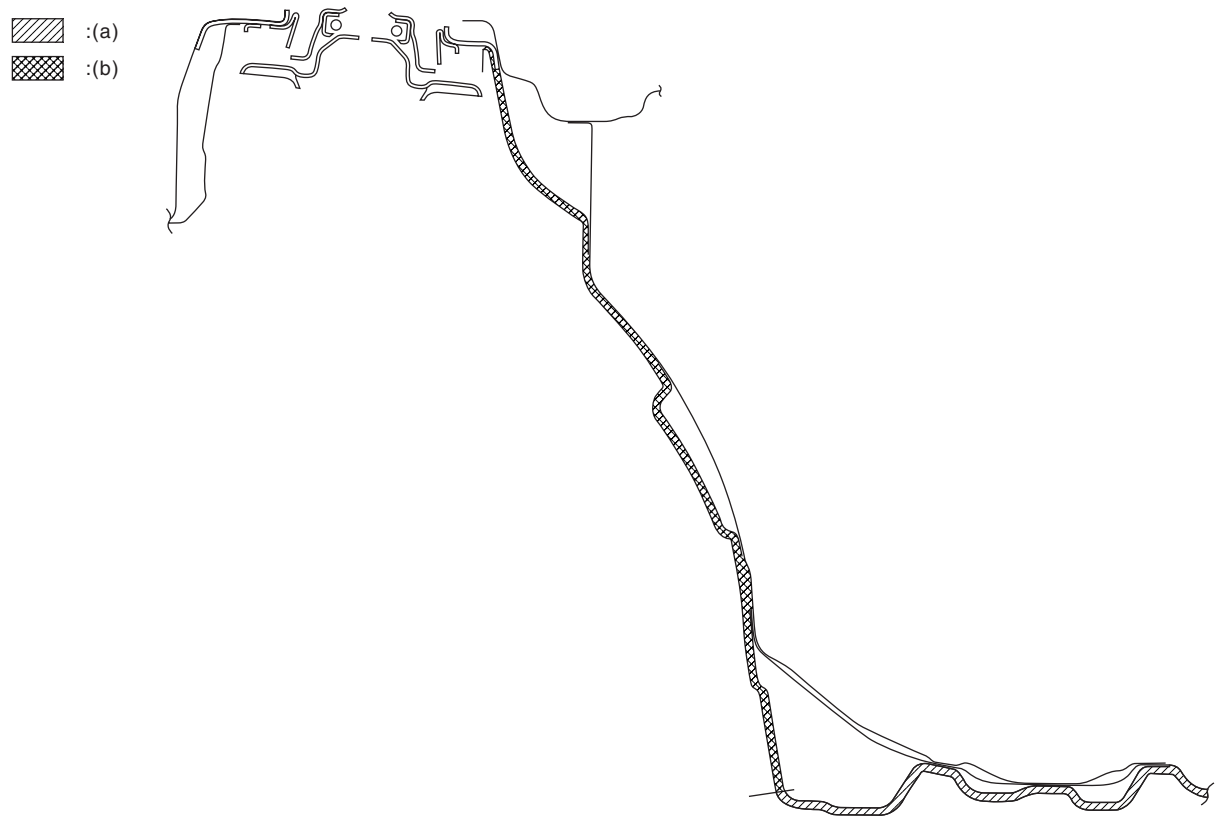
Cross section J — J



BS-03212

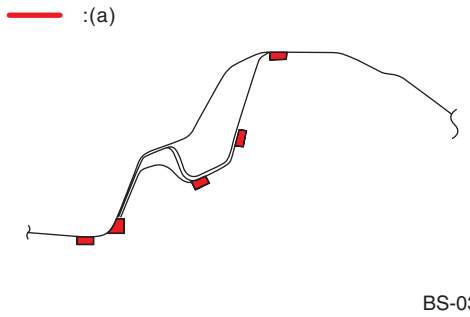
(a) 300 μm or more
(b) The panel gap shall be filled.

Cross section L — L



(a) 300 μm or more
(b) 600 μm or more

Cross section M — M



(a) The panel gap shall be filled.

11.Fuel Flap

A: CAUTION

A rivet tool usable for rivets with a nominal diameter of ϕ6.4 mm (0.25 in) shall be used removal and installation of the fuel flap rivets.

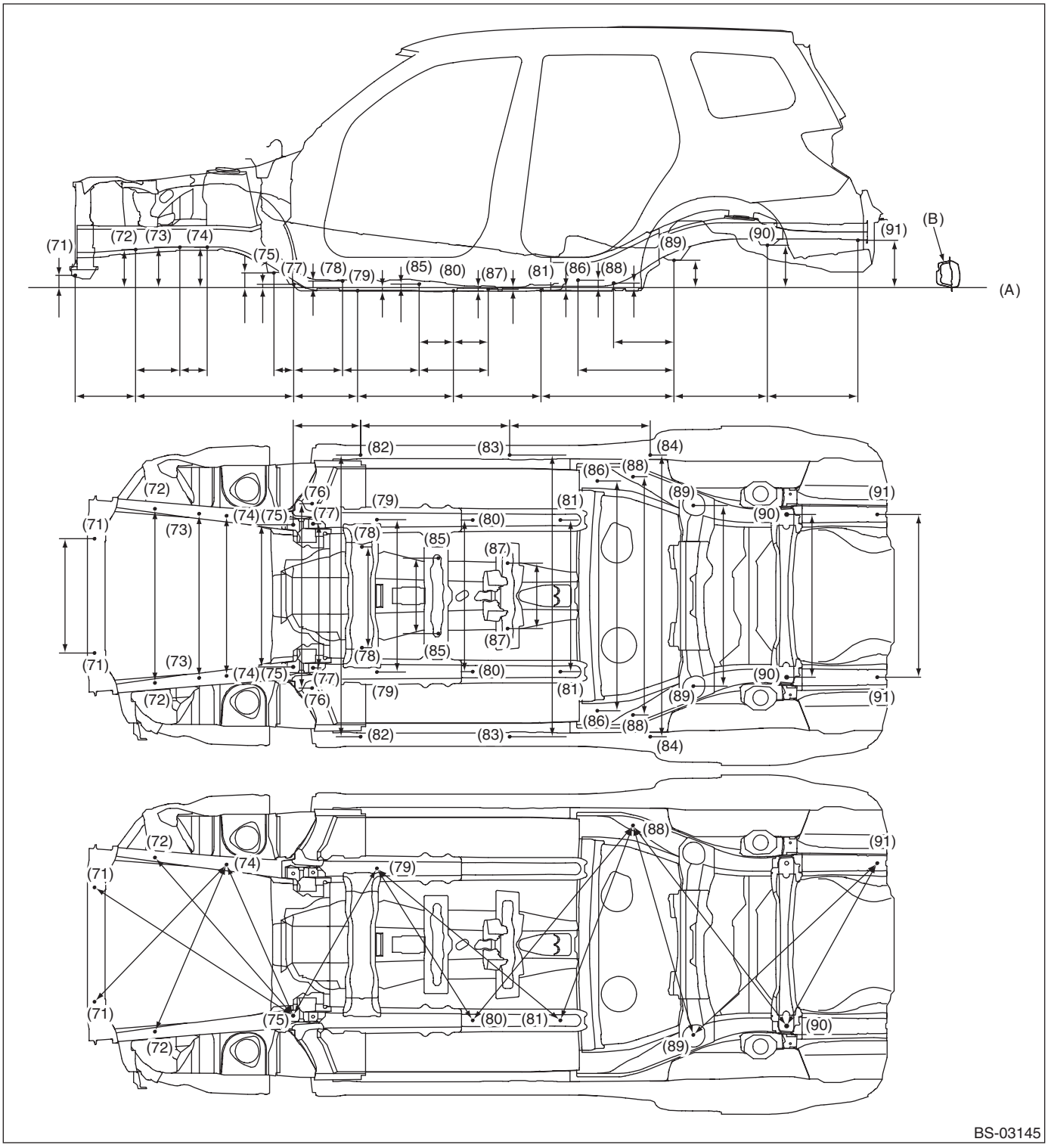
B: TOOL

Tool name	Remarks
Rivet tool	Removal and installation of fuel flap rivets Pop rivet tool: Power Link PLUS, PRG540, PRL850, etc. [rivet tool usable for rivets with a nominal diameter of ϕ6.4 mm (0.25 in)]

12.Body Reference Points

A: DIMENSIONS

1. LOWER SURFACE



BS-03145

- 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.

(A) Standard line

(B) Side sill outer panel

(71) Front bumper bracket mounting hole (symmetrical)
(72) Radio ground mounting hole (symmetrical)
(73) Front crossmember mounting hole (symmetrical), front
(74) Front crossmember mounting hole (symmetrical), rear
(75) Front suspension arm mounting hole (symmetrical)
(76) Front suspension plate mounting hole (symmetrical), outer side
(77) Front suspension plate mounting hole (symmetrical), inner side
(78) AT crossmember mounting hole
(79) Under cover mounting hole (symmetrical)
(80) Under cover mounting hole (symmetrical)
(81) Under cover mounting hole (symmetrical)
(82) Side spoiler mounting hole (symmetrical)
(83) Side spoiler mounting hole (symmetrical)
(84) Side spoiler mounting hole (symmetrical)
(85) Gauge hole (symmetrical)
(86) Rear tie-down hook mounting hole (symmetrical)
(87) Exhaust cover mounting hole (symmetrical)
(88) Rear suspension support frame mounting hole (symmetrical)
(89) Rear suspension crossmember mounting hole (symmetrical)
(90) Rear suspension crossmember mounting hole (symmetrical)
(91) Gauge hole (symmetrical)

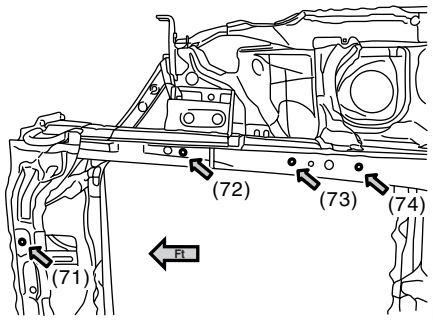
Measuring point	Datum dimension mm (in)	Projected dimensions for reference mm (in)
Datum line — (71)	64 (2.52)	—
Datum line — (72)	199 (7.83)	—
Datum line — (73)	212 (8.35)	—
Datum line — (74)	212 (8.35)	—
Datum line — (75)	77 (3.03)	—
Datum line — (77)	17 (0.67)	—
Datum line — (78)	34 (1.34)	—
Datum line — (79)	–16 (–0.63)	—
Datum line — (80)	–18 (–0.71)	—
Datum line — (81)	–15 (–0.59)	—
Datum line — (85)	18 (0.71)	—
Datum line — (86)	39 (1.54)	—
Datum line — (87)	–9 (–0.35)	—
Datum line — (88)	23 (0.91)	—
Datum line — (89)	143 (5.63)	—
Datum line — (90)	222 (8.74)	—
Datum line — (91)	248 (9.76)	—
(71) — (72)	317 (12.48)	—
(72) — (73)	232 (9.13)	—
(72) — (77)	830 (32.68)	—
(73) — (74)	144 (5.67)	—
(75) — (77)	104 (4.09)	—
(75) — (82)	354 (13.94)	—
(77) — (78)	257 (10.12)	—
(77) — (79)	335 (13.19)	—
(78) — (85)	402 (15.83)	—
(79) — (80)	503 (19.80)	—
(80) — (81)	460 (18.11)	—
(80) — (85)	180 (7.09)	—
(80) — (87)	183 (7.20)	—

Measuring point	Datum dimension mm (in)	Projected dimensions for reference mm (in)
(81) — (89)	698 (27.48)	—
(82) — (83)	783 (30.83)	—
(83) — (84)	738 (29.06)	—
(85) — (87)	363 (14.29)	—
(86) — (89)	504 (19.84)	—
(88) — (89)	317 (12.48)	—
(89) — (90)	490 (19.29)	—
(90) — (91)	475 (18.70)	—
(71) R — (71) L	600 (23.62)	—
(72) R — (72) L	914 (35.98)	—
(73) R — (73) L	862 (33.94)	—
(74) R — (74) L	840 (33.07)	—
(75) R — (75) L	746 (29.37)	—
(76) R — (76) L	968 (38.11)	—
(77) R — (77) L	756 (29.76)	—
(78) R — (78) L	529 (20.83)	—
(79) R — (79) L	800 (31.50)	—
(80) R — (80) L	796 (31.34)	—
(81) R — (81) L	796 (31.34)	—
(82) R — (82) L	1,478 (58.19)	—
(83) R — (83) L	1,478 (58.19)	—
(84) R — (84) L	1,478 (58.19)	—
(85) R — (85) L	396 (15.59)	—
(86) R — (86) L	1,206 (47.48)	—
(87) R — (87) L	344 (13.54)	—
(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	854 (33.62)	—
(71) R — (74) L	1,010 (39.76)	999 (39.33)

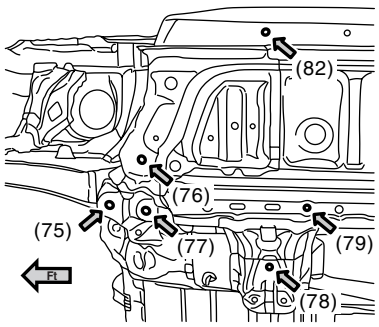
Body Reference Points

Measuring point	Datum dimension mm (in)	Projected dimensions for reference mm (in)
(71) L — (75) R	1,241 (48.86)	1,241 (48.86)
(72) R — (74) L	954 (37.56)	954 (37.56)
(72) L — (75) R	1,109 (43.66)	1,103 (43.43)
(74) L — (75) R	877 (34.53)	867 (34.13)
(75) R — (79) L	894 (35.20)	889 (35.00)
(79) L — (80) R	943 (37.13)	943 (37.13)
(79) L — (81) R	1,251 (49.25)	1,251 (49.25)

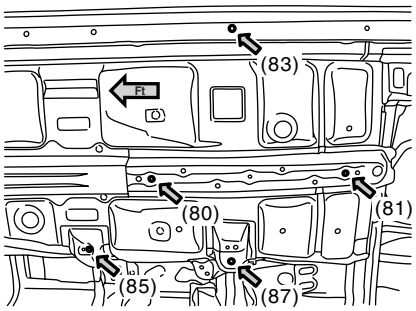
Measuring point	Datum dimension mm (in)	Projected dimensions for reference mm (in)
(80) R — (88) L	1,325 (52.17)	1,324 (52.13)
(81) R — (88) L	1,092 (42.99)	1,092 (42.99)
(88) L — (89) R	1,150 (45.28)	1,144 (45.04)
(88) L — (90) R	1,341 (52.80)	1,326 (52.20)
(89) R — (91) L	1,324 (52.13)	1,320 (51.97)
(90) R — (91) L	978 (38.50)	977 (38.46)



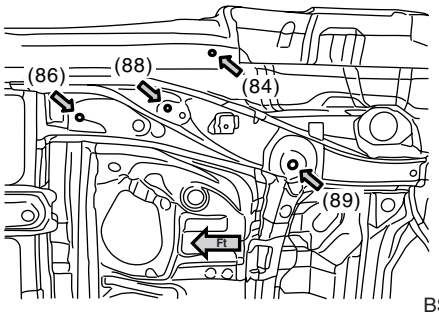
BS-03146



BS-03147



BS-03148



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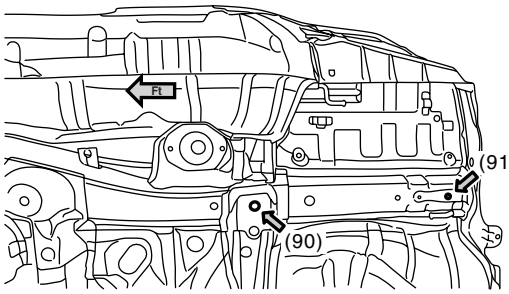
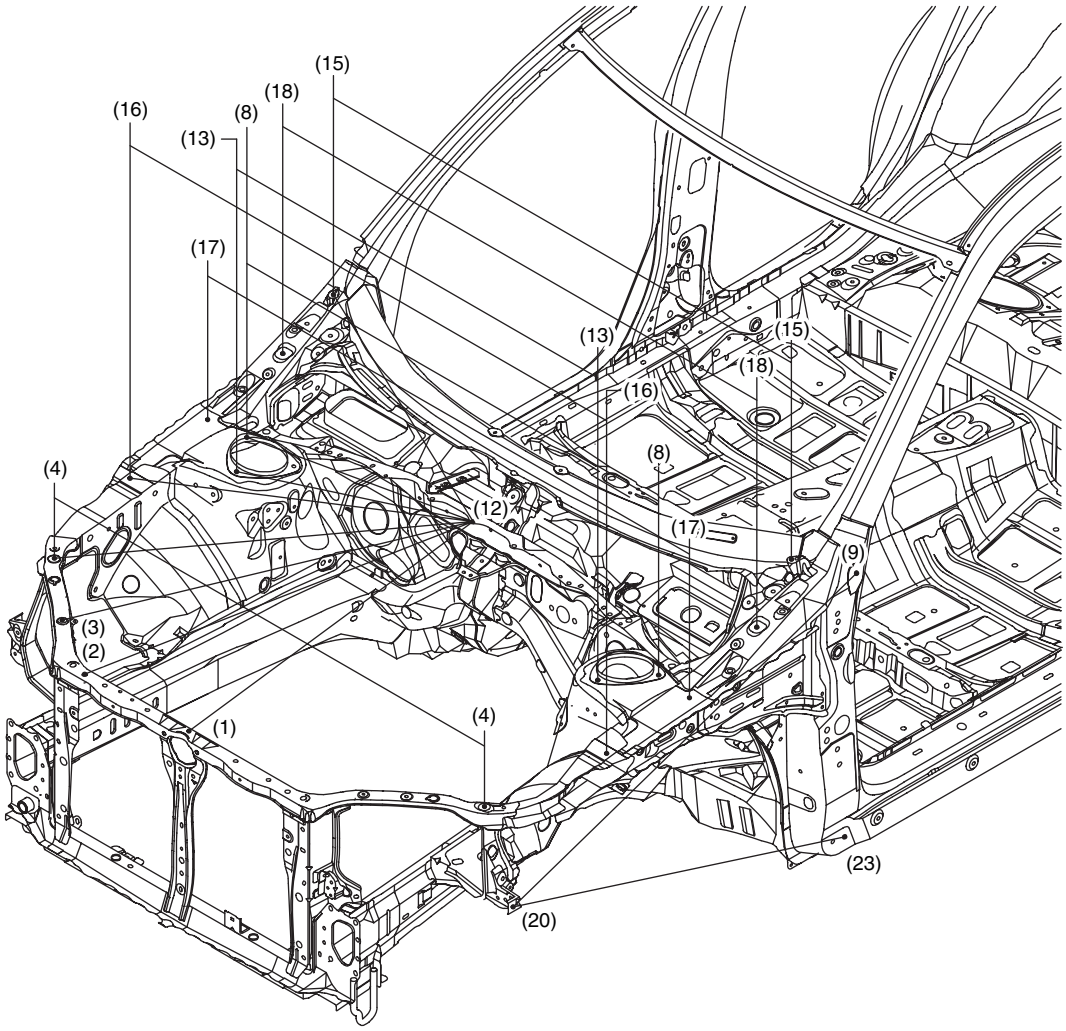


BS-03150

2. FRONT 1



BS-03344

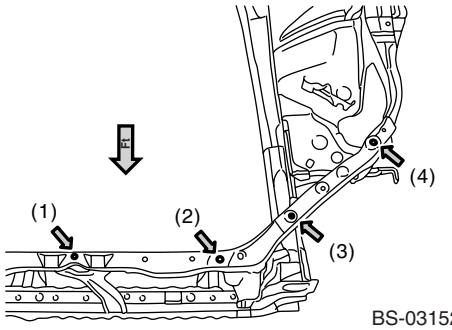
(1) Repair location hole (body center)
(2) Radiator mounting hole (symmetrical)
(3) Headlight mounting hole (symmetrical)
(4) Fender mounting hole (symmetrical)
(8) Front suspension mounting hole (symmetrical), rear outside
(9) Fender mounting hole (symmetrical)
(12) Cowl panel mounting hole (body center)
(13) Front suspension mounting hole (symmetrical), front
(15) Fender mounting hole (symmetrical)
(16) Fender mounting hole (symmetrical)
(17) Fender extension mounting hole (symmetrical)
(18) Hood hinge mounting hole (symmetrical)
(20) Fender reinforcement mounting hole (symmetrical)
(23) Fender mounting hole (symmetrical)

Body Reference Points

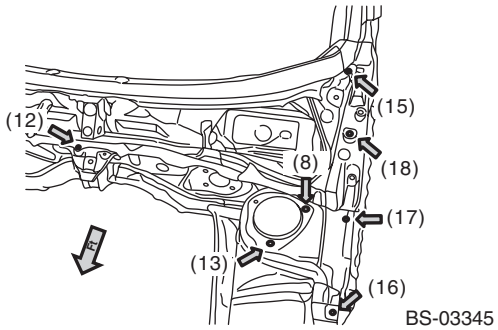
Measuring point	Datum dimension mm (in)
(1) — (12)	876 (34.49)
(2) R — (12)	938 (36.93)
(3) R — (12)	923 (36.34)
(4) R — (4) L	1,314 (51.73)
(4) R — (12)	912 (35.91)
(8) R — (8) L	1,258 (49.53)
(8) R — (12)	635 (25.00)
(9) L — (20) L	1,097 (43.19)
(12) — (13) R	580 (22.83)

Measuring point	Datum dimension mm (in)
(12) — (15) R	759 (29.88)
(12) — (16) R	800 (31.50)
(13) R — (13) L	1,103 (43.43)
(15) R — (15) L	1,399 (55.08)
(16) R — (16) L	1,456 (57.32)
(17) R — (17) L	1,472 (57.95)
(18) R — (18) L	1,448 (57.01)
(20) L — (23) L	1,037 (40.83)

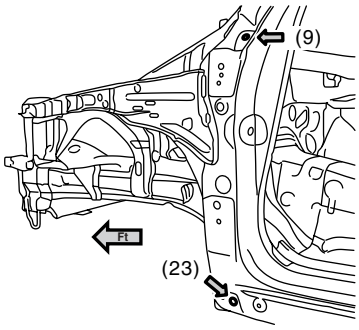
• The reference points (1) and (12) are at the body center, while the other reference points are left-right symmetrical.
• The dimensions are the actual dimensions between the reference points.



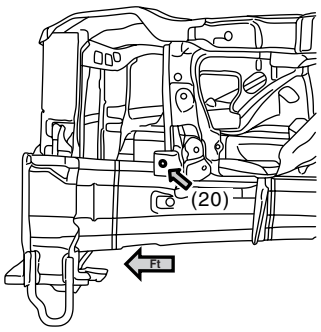
BS-03152



BS-03345

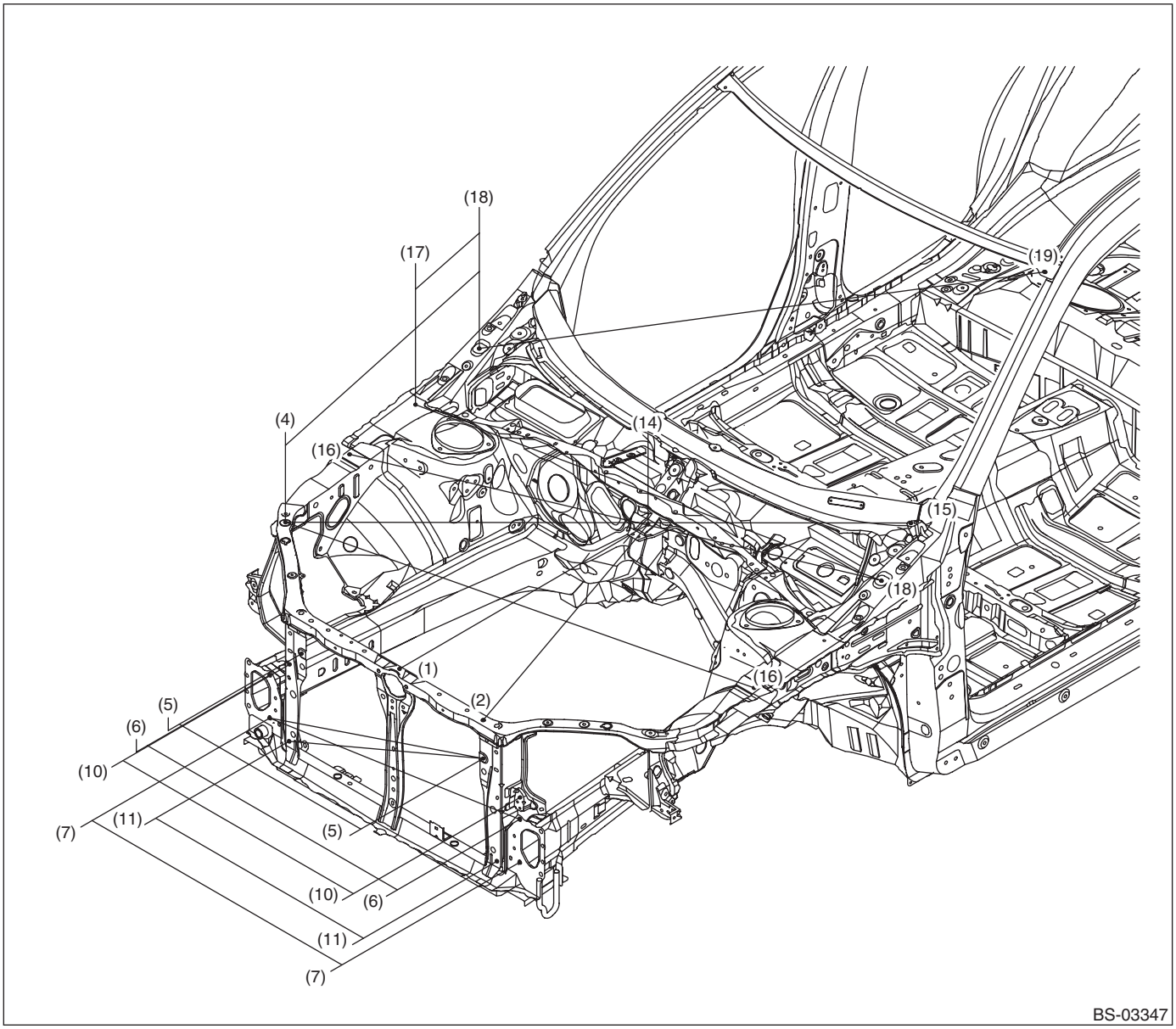


BS-03154



BS-03155

3. FRONT 2



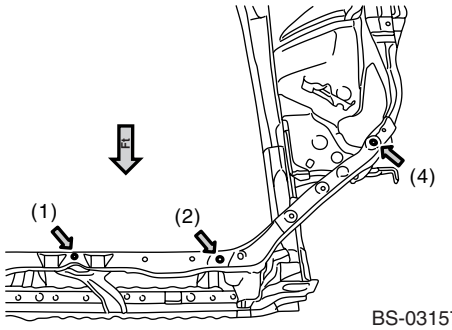
(1) Repair location hole (body center)
(2) Radiator mounting hole (symmetrical)
(4) Fender mounting hole (symmetrical)
(5) Headlight mounting hole (symmetrical)
(6) Front bumper beam mounting hole (symmetrical), upper side
(7) Front bumper beam mounting hole (symmetrical), lower side
(10) Airbag sensor mounting hole (symmetrical)
(11) Front bumper bracket mounting hole (symmetrical)
(14) Weight reduction hole (body center)
(15) Fender mounting hole (symmetrical)
(16) Fender mounting hole (symmetrical)
(17) Fender extension mounting hole (symmetrical)
(18) Hood hinge mounting hole (symmetrical)
(19) Front glass installation reference hole (symmetrical)

Body Reference Points

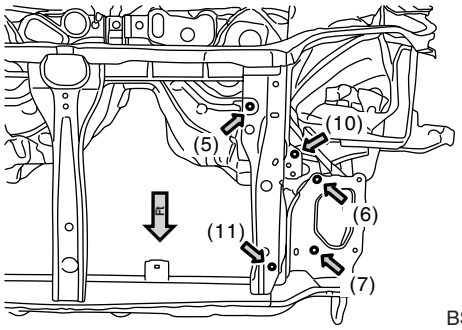
Measuring point	Datum dimension mm (in)
(1) — (14)	895 (35.24)
(2) L — (14)	955 (37.60)
(4) R — (15) L	1,641 (64.61)
(4) R — (16) L	1,418 (55.83)
(4) R — (18) R	778 (30.63)
(5) R — (5) L	654 (25.75)
(5) L — (7) R	821 (32.32)
(5) L — (11) R	762 (30.00)
(6) R — (6) L	900 (35.43)

Measuring point	Datum dimension mm (in)
(6) L — (7) R	910 (35.83)
(7) R — (7) L	900 (35.43)
(10) R — (10) L	830 (32.68)
(11) R — (11) L	748 (29.45)
(16) R — (18) L	1,527 (60.12)
(17) R — (18) R	230 (9.06)
(17) R — (18) L	1,478 (58.19)
(18) R — (19) L	1,582 (62.28)

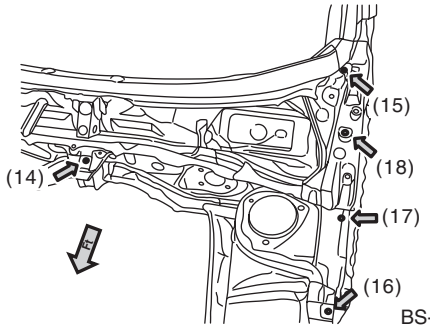
- The reference points (1) and (14) are at the body center, while the other reference points are left-right symmetrical.
- The dimensions are the actual dimensions between the reference points.



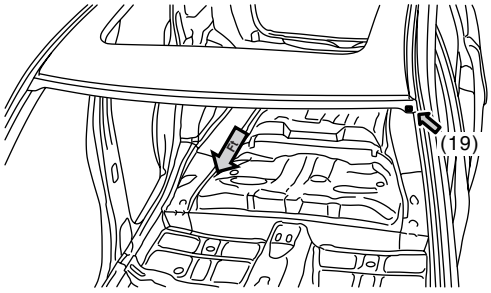
BS-03157



BS-03158

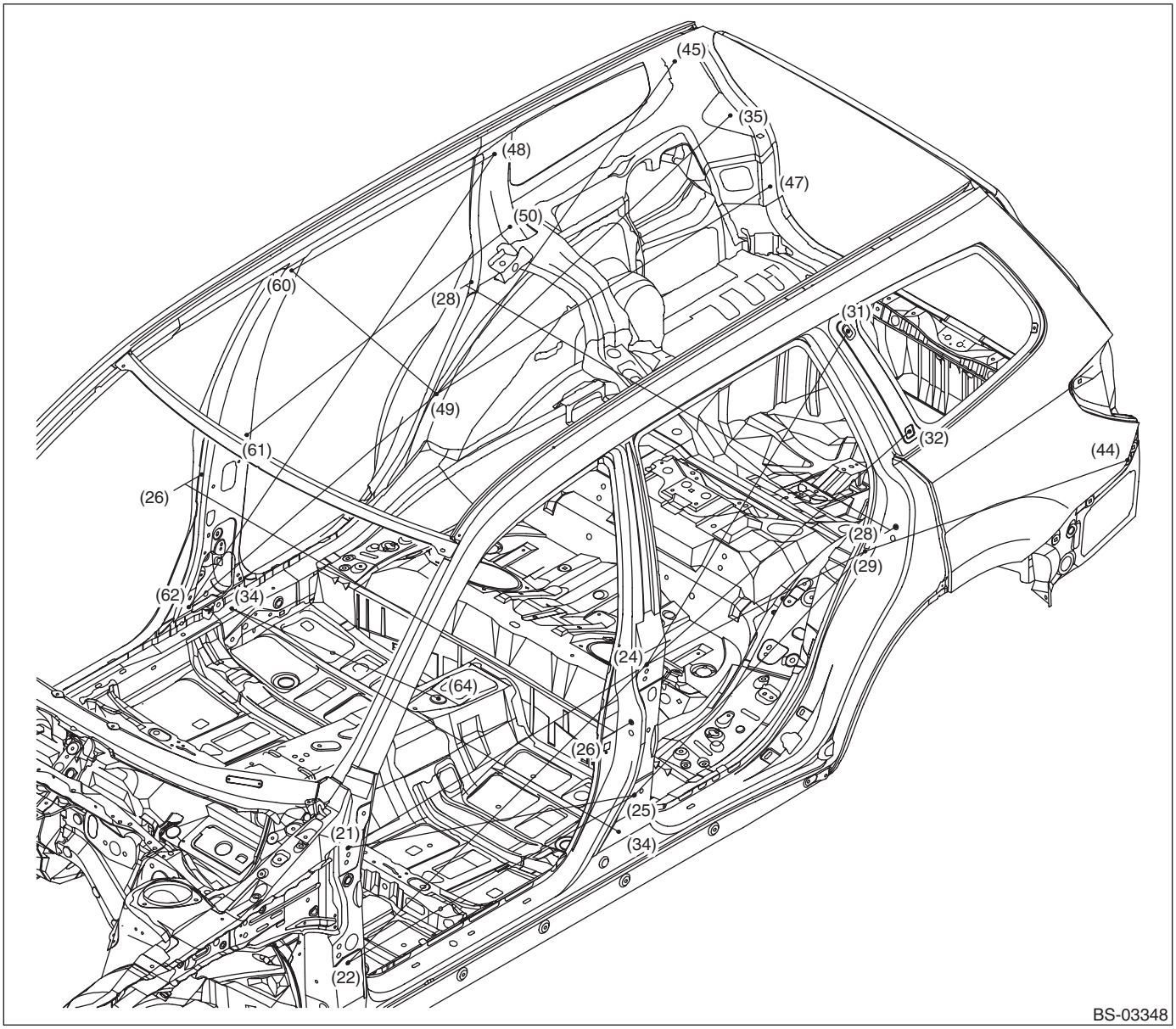


BS-03346



BS-03160

4. INSIDE 1



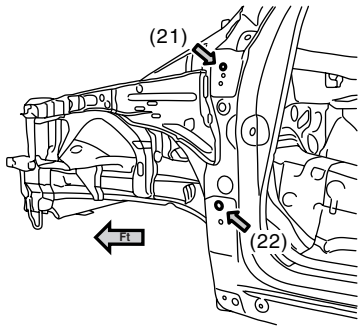
(21) Front door hinge upper mounting hole (symmetrical), upper side
(22) Front door hinge lower mounting hole (symmetrical), upper side
(24) Rear door hinge upper mounting hole (symmetrical), upper side
(25) Rear door hinge lower mounting hole (symmetrical), front
(26) Front door striker mounting hole (symmetrical), upper side
(28) Rear door striker mounting hole (symmetrical), upper side
(29) Rear door switch mounting hole (symmetrical)
(31) Rear quarter glass mounting hole (symmetrical), front upper
(32) Rear quarter glass mounting hole (symmetrical), front lower
(34) Harness clip mounting hole (symmetrical)
(35) Trim clip mounting hole (symmetrical)
(44) Rear bumper mounting hole (symmetrical)
(45) Trim clip mounting hole (symmetrical)
(47) Trim clip mounting hole (symmetrical)
(48) Rear curtain airbag mounting hole (symmetrical)
(49) Airbag sensor mounting hole (symmetrical)
(50) Trim clip mounting hole (symmetrical)
(60) Center curtain airbag mounting hole (symmetrical)
(61) Trim clip mounting hole (symmetrical)
(62) Trim clip mounting hole (symmetrical)
(64) Hand brake cable mounting hole (body center)

Body Reference Points

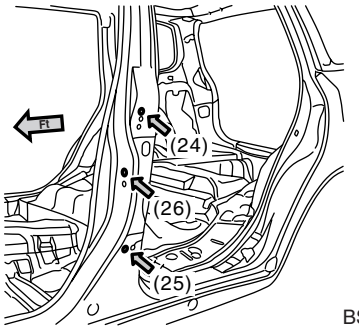
Measuring point	Datum dimension mm (in)
(21) L — (24) L	1,072 (42.20)
(21) L — (25) L	1,084 (42.68)
(22) L — (24) L	1,148 (45.20)
(22) L — (25) L	1,036 (40.79)
(24) L — (29) L	864 (34.02)
(24) L — (31) L	1,040 (40.94)
(24) L — (32) L	1,014 (39.92)
(25) L — (29) L	943 (37.13)
(26) R — (26) L	1,546 (60.87)
(28) R — (28) L	1,528 (60.16)
(29) L — (44) L	881 (34.68)

Measuring point	Datum dimension mm (in)
(34) R — (34) L	1,393 (54.84)
(34) R — (64)	700 (27.56)
(35) R — (49) R	1,059 (41.69)
(45) R — (49) R	1,045 (41.14)
(47) R — (49) R	1,090 (42.91)
(48) R — (60) R	729 (28.70)
(48) R — (62) R	1,393 (54.84)
(49) R — (60) R	1,000 (39.37)
(49) R — (62) R	920 (36.22)
(50) R — (61) R	958 (37.72)

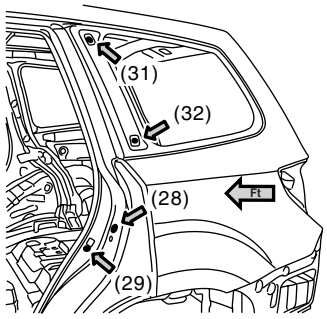
- The reference point (64) is at the body center, while the other reference points are left-right symmetrical.
- The dimensions are the actual dimensions between the reference points.



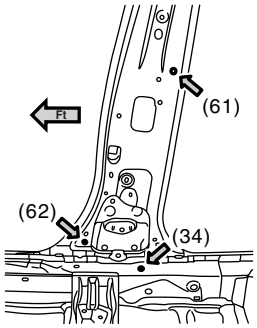
BS-03162



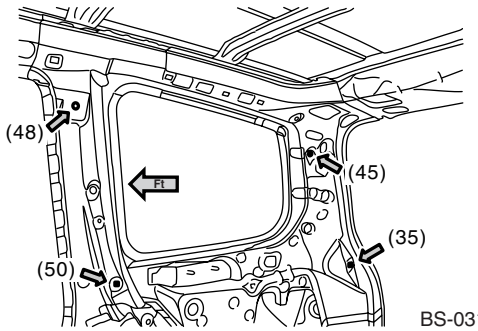
BS-03163



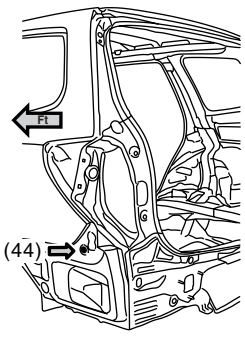
BS-03164



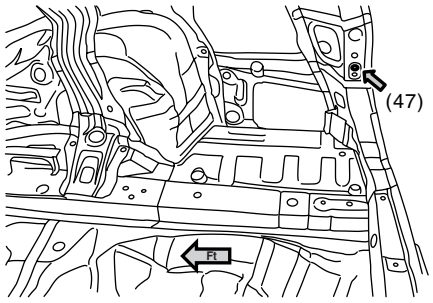
BS-03165



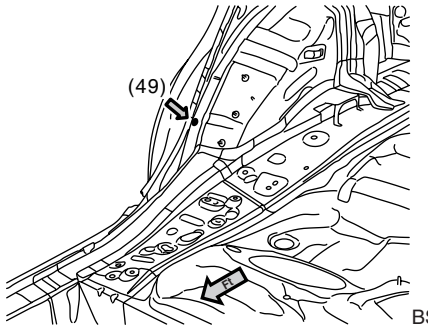
BS-03166



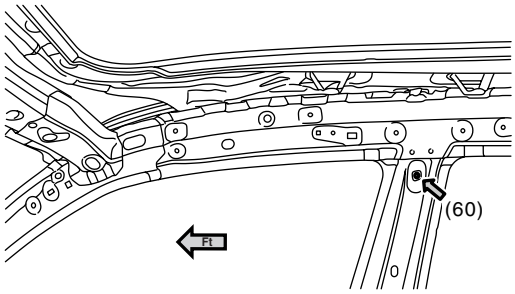
BS-03167



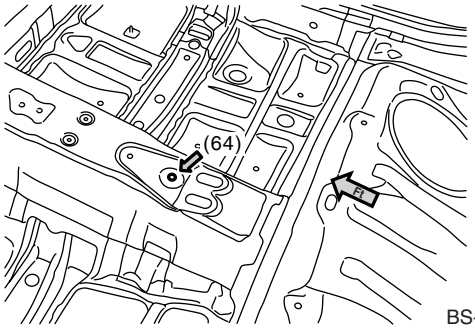
BS-03168



BS-03169

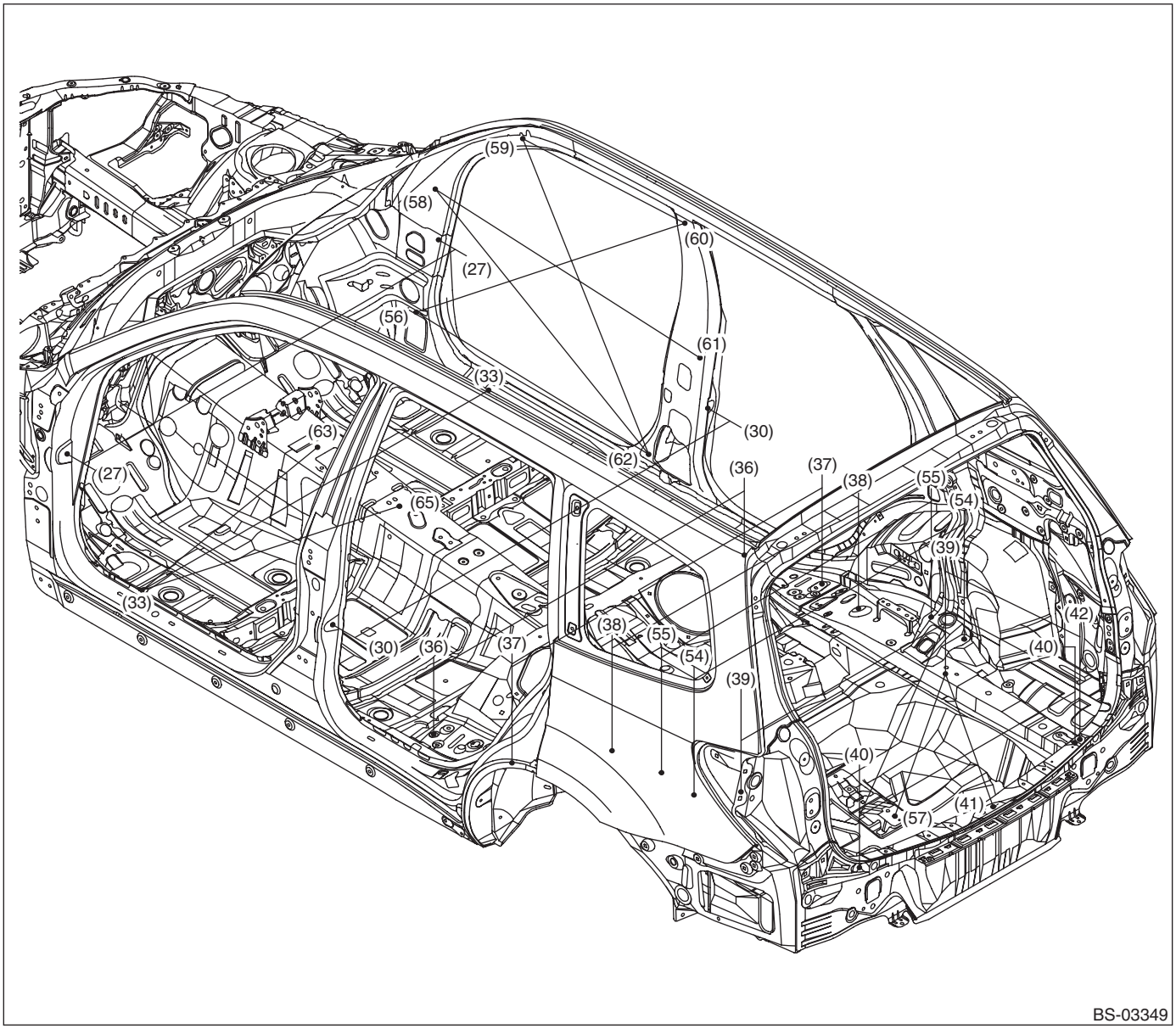


BS-03170



BS-03171

5. INSIDE 2

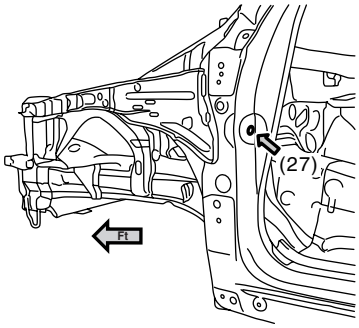


(27) Front door checker mounting hole (symmetrical)
(30) Rear door checker mounting hole (symmetrical)
(33) Harness clip mounting hole (symmetrical)
(36) Gauge hole (symmetrical)
(37) Trim clip mounting hole (symmetrical)
(38) Rear seat hinge mounting hole (symmetrical)
(39) Canister cover mounting hole (symmetrical)
(40) Manufacturer assemblies hole (symmetrical)
(41) Striker mounting hole (symmetrical)
(42) Trim clip mounting hole (symmetrical)
(54) Rear suspension mounting hole (symmetrical), rear
(55) Rear suspension mounting hole (symmetrical), front
(56) Harness connector mounting hole (symmetrical)
(57) Spare tire mounting hole
(58) Steering beam mounting hole (symmetrical)
(59) Pillar pad mounting hole (symmetrical)
(60) Center curtain airbag mounting hole (symmetrical)
(61) Trim clip mounting hole (symmetrical)
(62) Trim clip mounting hole (symmetrical)
(63) Air bag ECU mounting hole (body center)
(65) Hand brake mounting hole (body center)

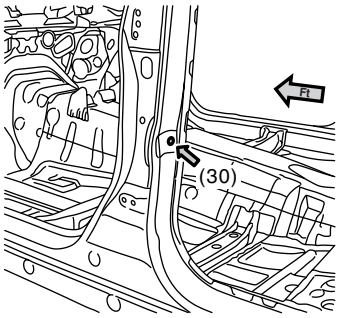
Measuring point	Datum dimension mm (in)
(27) R — (27) L	1,470 (57.87)
(30) R — (30) L	1,485 (58.46)
(33) R — (33) L	1,373 (54.06)
(33) L — (63)	703 (27.68)
(33) L — (65)	771 (30.35)
(36) R — (36) L	1,230 (48.43)
(37) R — (37) L	1,228 (48.35)
(38) R — (38) L	976 (38.43)
(39) R — (39) L	810 (31.89)
(39) R — (40) R	492 (19.37)
(39) R — (40) L	966 (38.03)
(39) R — (41) R	690 (27.17)

Measuring point	Datum dimension mm (in)
(39) R — (42) R	558 (21.97)
(39) R — (57)	489 (19.25)
(40) R — (40) L	854 (33.62)
(54) R — (54) L	1,070 (42.13)
(55) R — (55) L	1,069 (42.09)
(56) R — (60) R	1,496 (58.90)
(56) R — (62) R	907 (35.71)
(58) R — (61) R	1,039 (40.91)
(58) R — (62) R	971 (38.23)
(59) R — (60) R	669 (26.34)
(59) R — (62) R	1,014 (39.92)

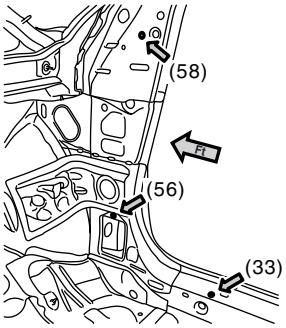
• The reference points (57), (63) and (65) are at the body center, while the other reference points are left-right symmetrical.
• The dimensions are the actual dimensions between the reference points.



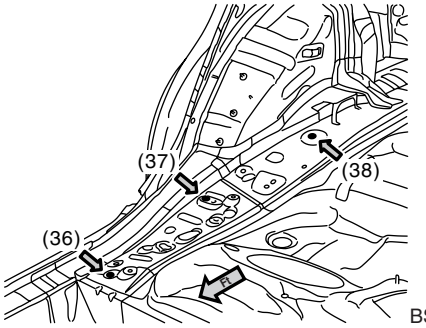
BS-03173



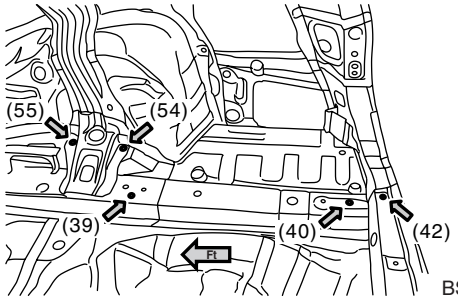
BS-03174



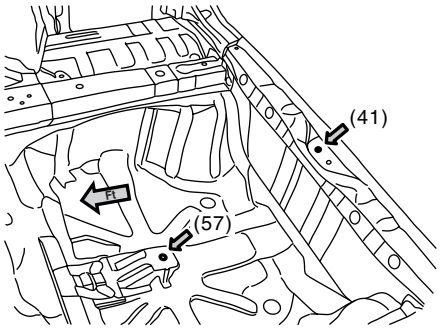
BS-03175



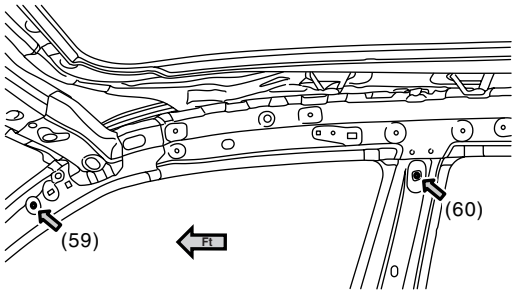
BS-03176



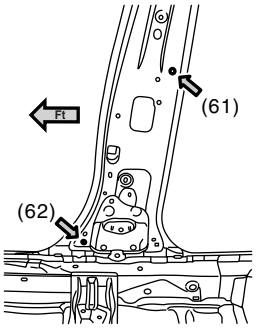
BS-03177



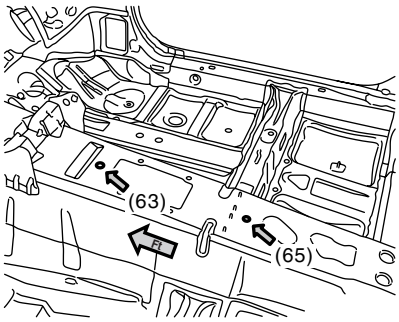
BS-03178



BS-03179

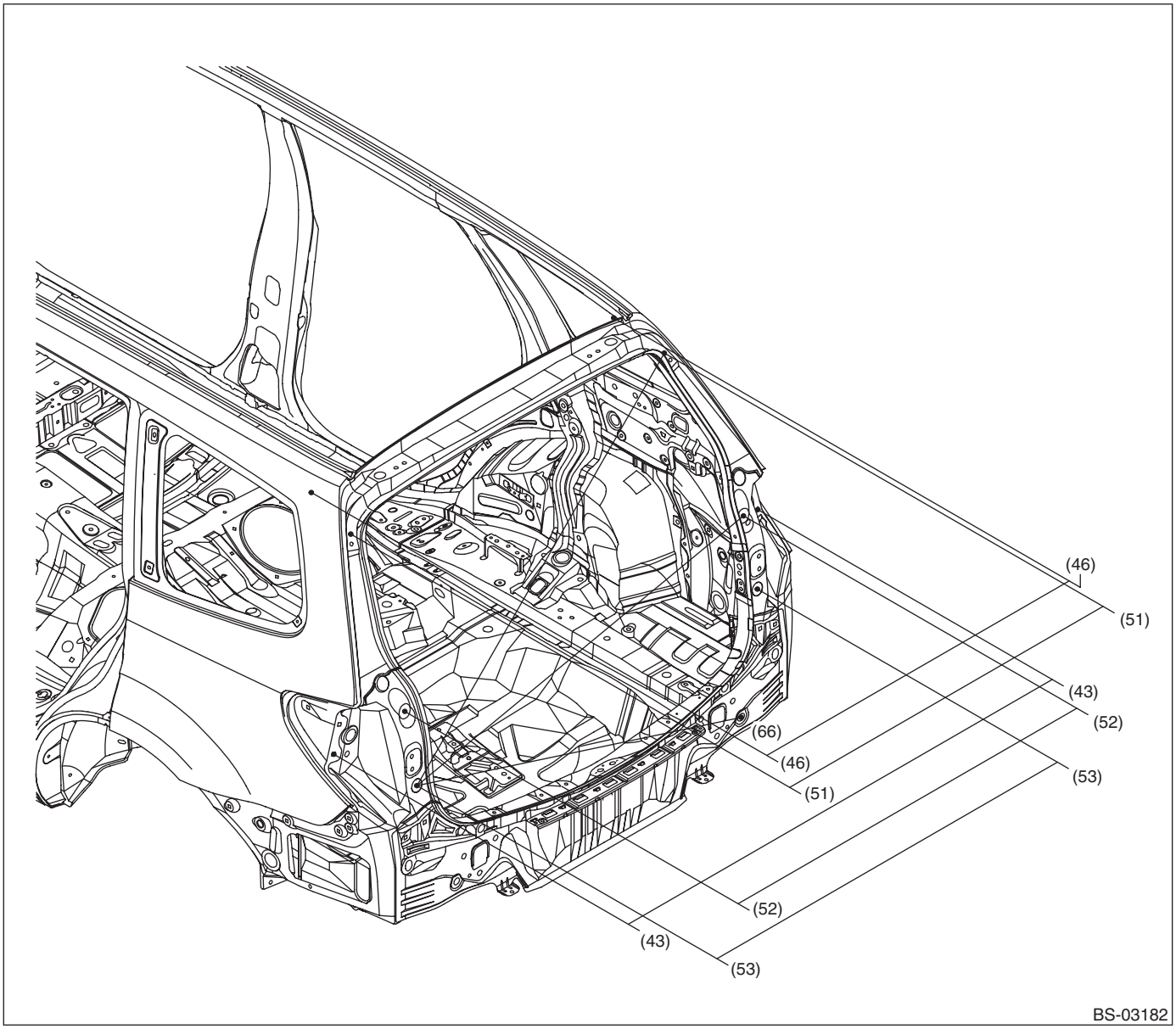


BS-03180



BS-03181

6. REAR

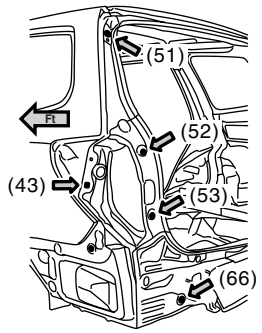


(43) Rear combination light mounting hole (symmetrical)
(46) Harness clip mounting hole (symmetrical)
(51) Rear gate stay mounting hole (symmetrical), upper side
(52) Rear combination light mounting hole (symmetrical), upper side
(53) Rear combination light mounting hole (symmetrical), lower side
(66) Gauge hole (symmetrical)

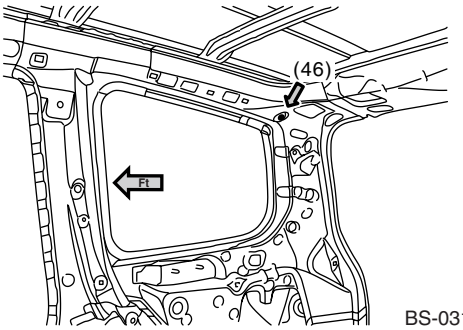
Measuring point	Datum dimension mm (in)
(43) R — (43) L	1,526 (60.08)
(46) R — (46) L	1,090 (42.91)
(51) R — (51) L	1,129 (44.45)
(51) R — (53) L	1,360 (53.54)

Measuring point	Datum dimension mm (in)
(52) R — (52) L	1,219 (47.99)
(52) R — (53) L	1,241 (48.86)
(53) R — (53) L	1,226 (48.27)
(53) L — (66) R	1,173 (46.18)

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

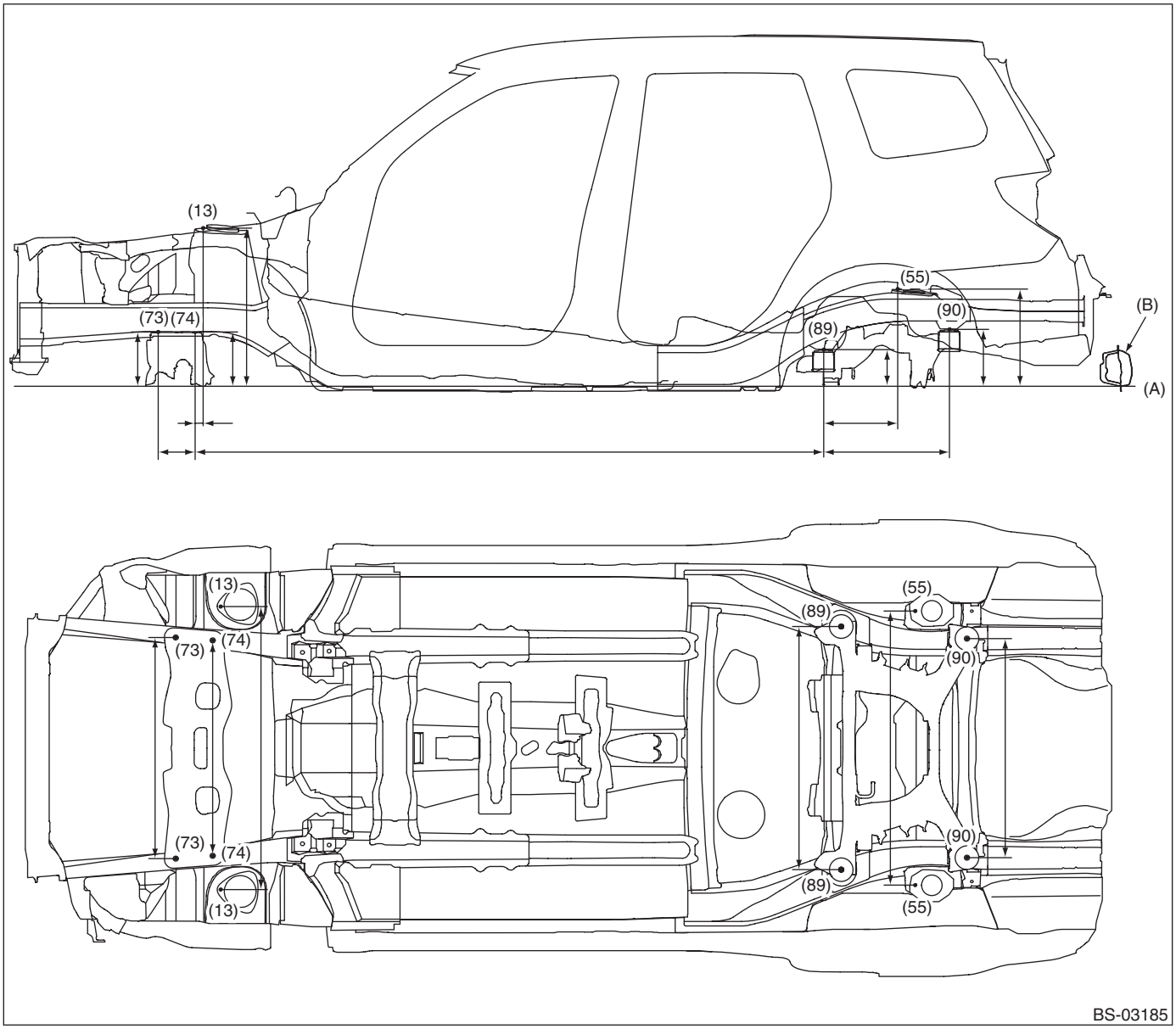


BS-03183



BS-03184

7. SUSPENSION MOUNT (CROSSMEMBER)



- 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).

(A)	Standard line	(B)	Side sill outer panel		
(13)	Front suspension mounting hole (symmetrical), front	(73)	Front crossmember mounting hole (symmetrical), front	(89)	Rear suspension crossmember mounting hole (symmetrical)
(55)	Rear suspension mounting hole (symmetrical), front	(74)	Front crossmember mounting hole (symmetrical), rear	(90)	Rear suspension crossmember mounting hole (symmetrical)

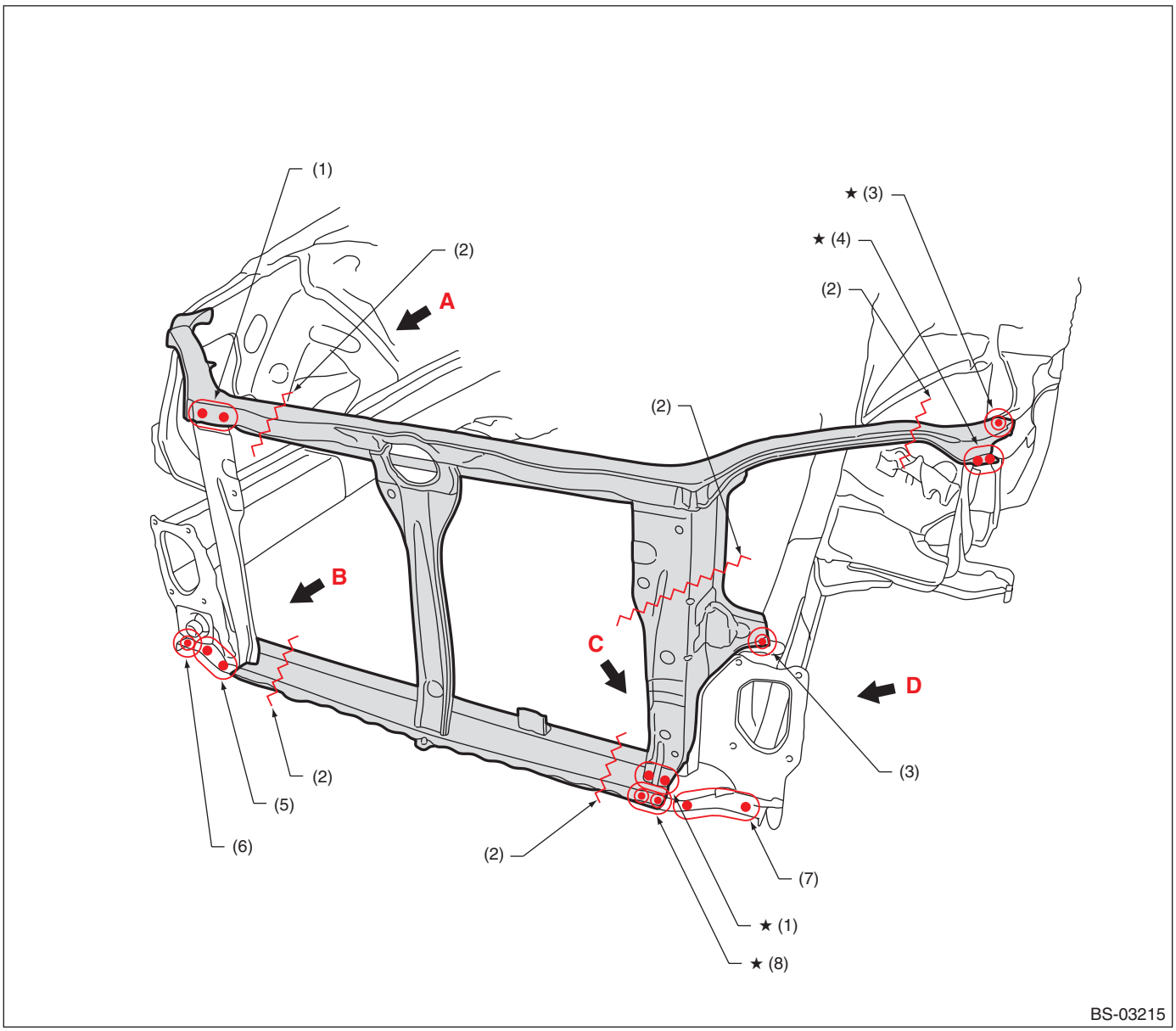
NOTE:
For the reference points (13), refer to the figure "FRONT 1, DIMENSIONS, Body Reference Points" on page 56.
For the reference points (55), refer to the figure "INSIDE 2, DIMENSIONS, Body Reference Points" on page 63.
Except the reference points (13) and (55), refer to the figure "LOWER SURFACE, DIMENSIONS, Body Reference Points" on page 53.

Measuring point	Datum dimension mm (in)
Datum line — (13)	617 (24.29)
Datum line — (55)	379 (14.92)
Datum line — (73)	212 (8.35)
Datum line — (74)	212 (8.35)
Datum line — (89)	143 (5.63)
Datum line — (90)	222 (8.74)
(13) — (74)	31 (1.22)
(55) — (89)	288 (11.34)
(73) — (74)	144 (5.67)
(74) — (89)	2,450 (96.46)
(89) — (90)	490 (19.29)
(13) R — (13) L	1,103 (43.43)
(55) R — (55) L	1,069 (42.09)
(73) R — (73) L	862 (33.94)
(74) R — (74) L	840 (33.07)
(89) R — (89) L	948 (37.32)
(90) R — (90) L	854 (33.62)

13.Radiator Panel (total replacement)

A: REMOVAL

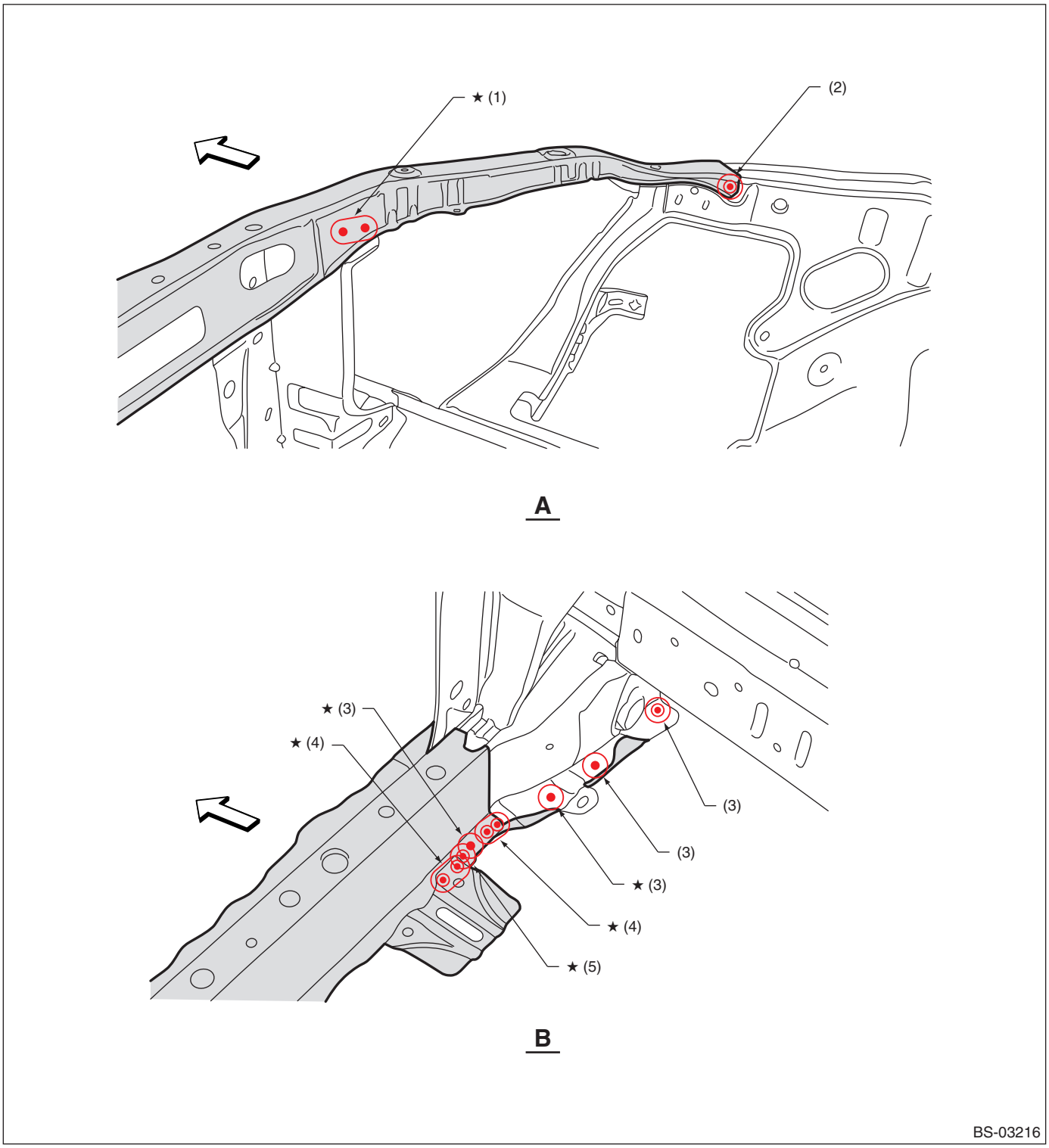
- **Overall view**



(1)	2 points (outside · 1)	(4)	2 points (top · 1)	(7)	3 points (bottom · 1)
(2)	Rough cutting	(5)	2 points (bottom · 1)	(8)	2 points (top · 1, bottom · 1)
(3)	1 point (top · 1)	(6)	1 point (bottom · 1)		

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

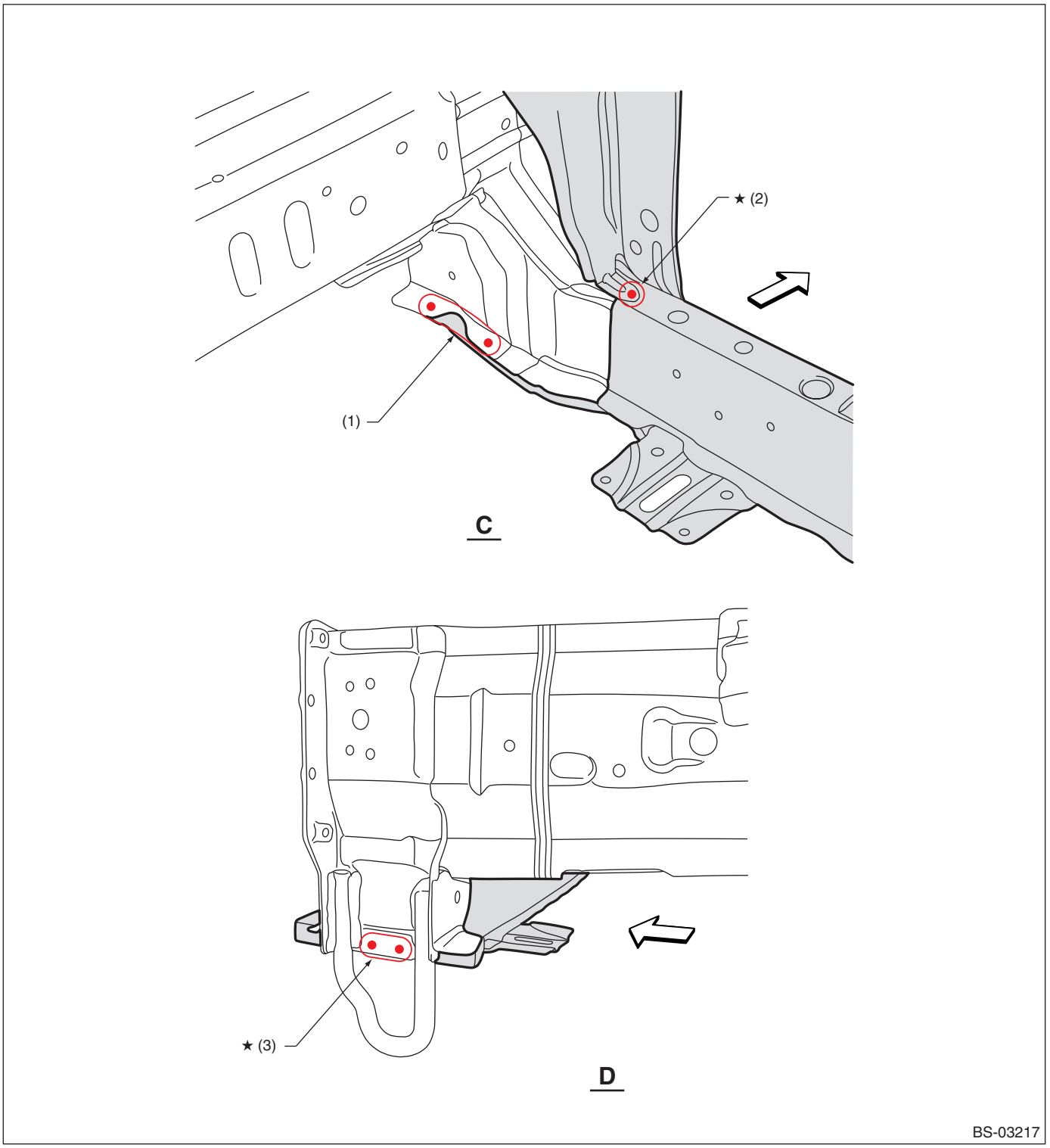
- **Views 1**



(1) 2 points (outside · 1)
(2) 1 point (inside · 1)
(3) 1 point (bottom · 1)
(4) 2 points (top · 1, bottom · 1)
(5) 1 point (top · 1, bottom · 1)

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

- **Views 2**

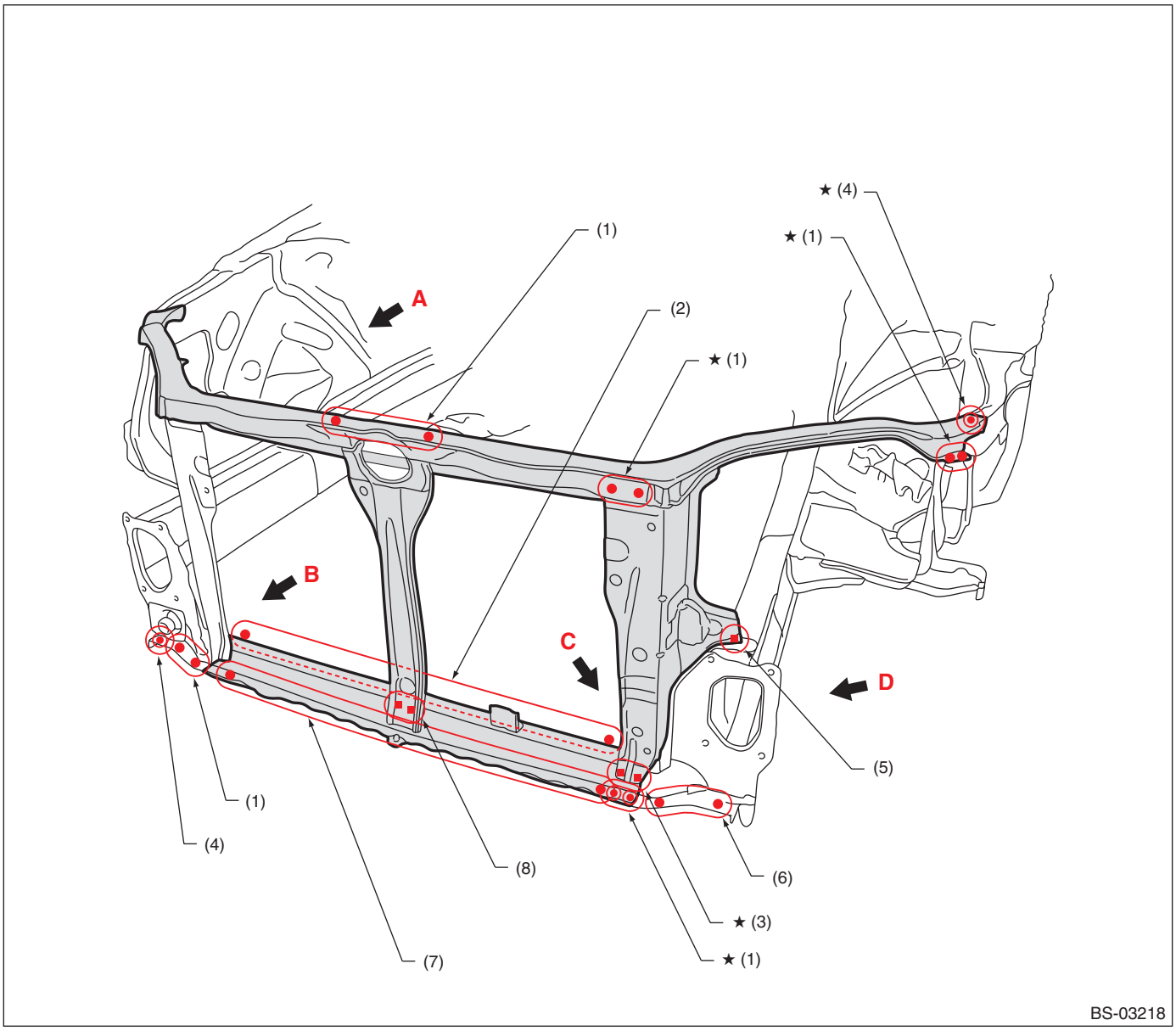


(1) 2 points (bottom · 1)
(2) 1 point (top · 1)
(3) 2 points (outside · 1)

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

B: INSTALLATION

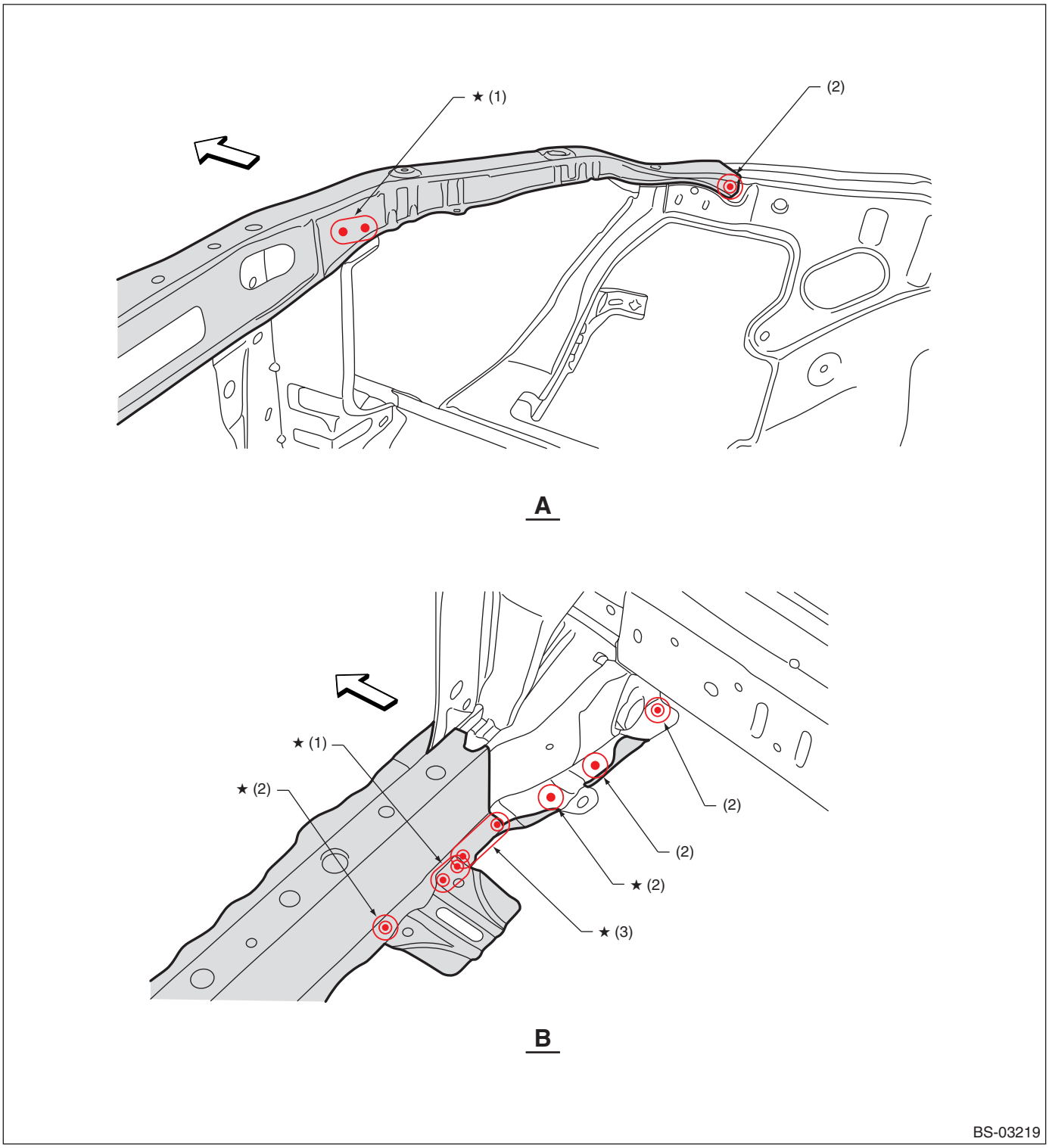
- **Overall view**



(1)	2 points	(4)	1 point	(7)	16 points
(2)	9 points	(5)	1 point (service)	(8)	3 points (service)
(3)	2 points (service)	(6)	3 points		

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

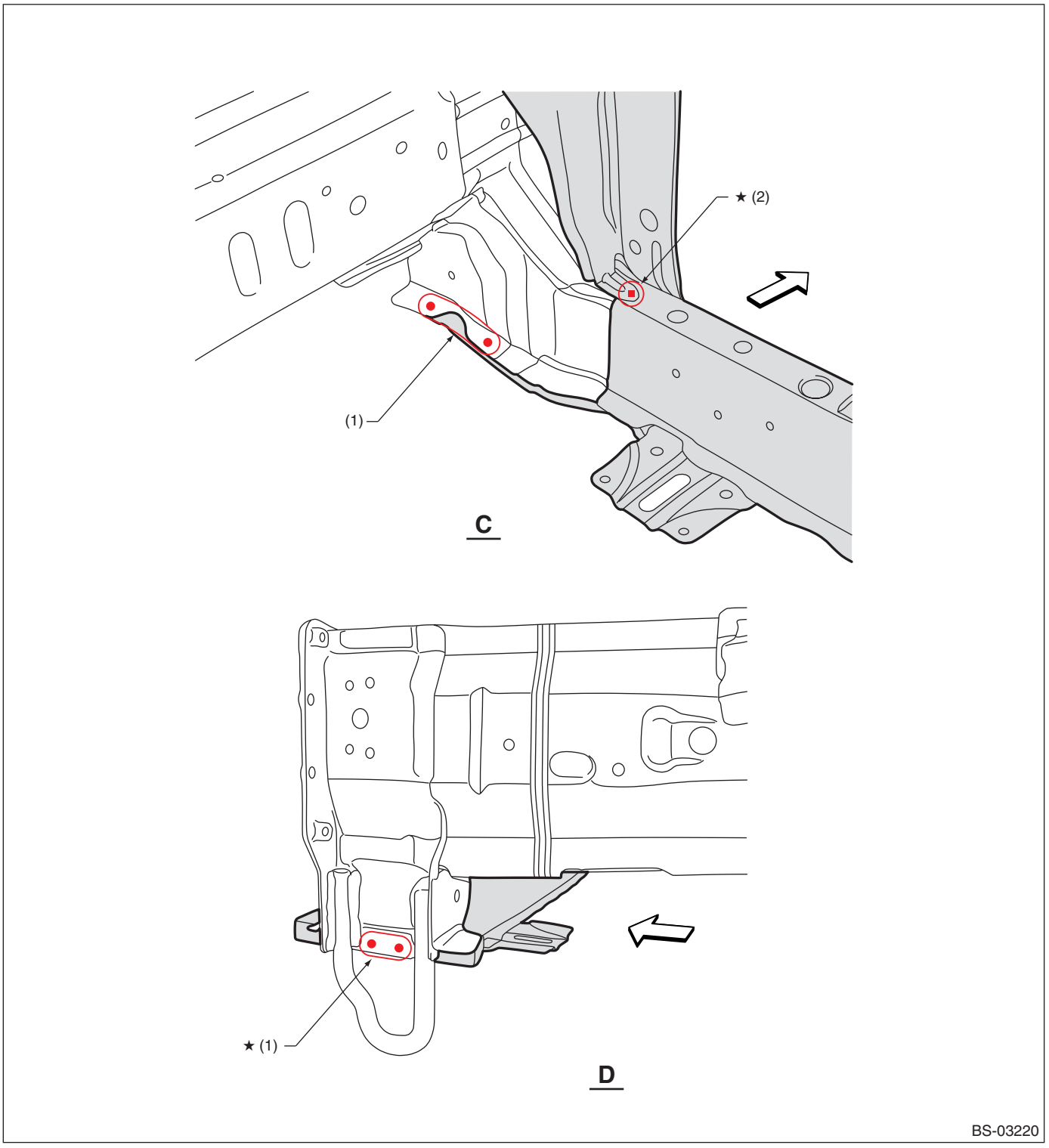
- **Views 1**



(1) 2 points (2) 1 point (3) 3 points

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

- **Views 2**



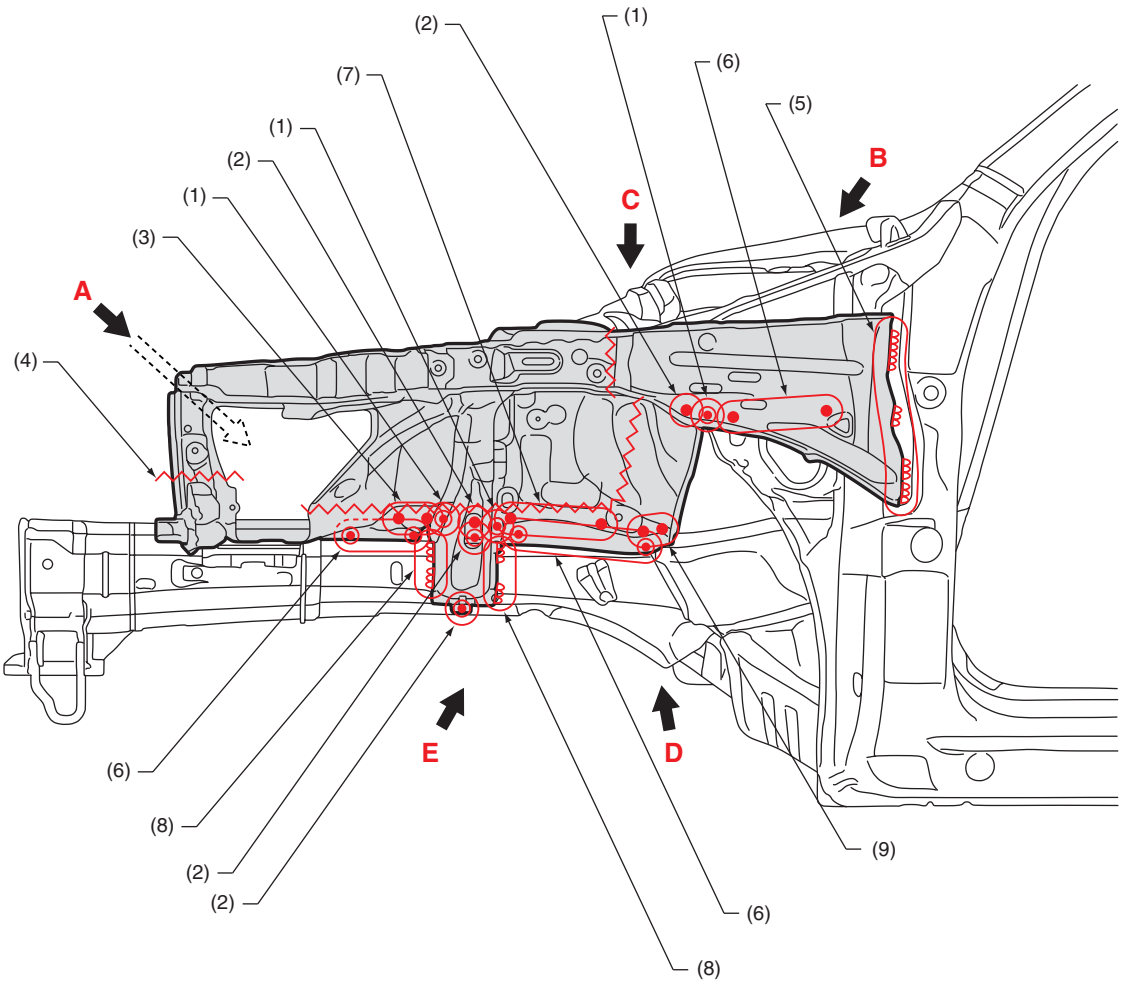
(1) 2 points (2) 1 point (service)

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

14.Front Wheel Apron (total replacement)

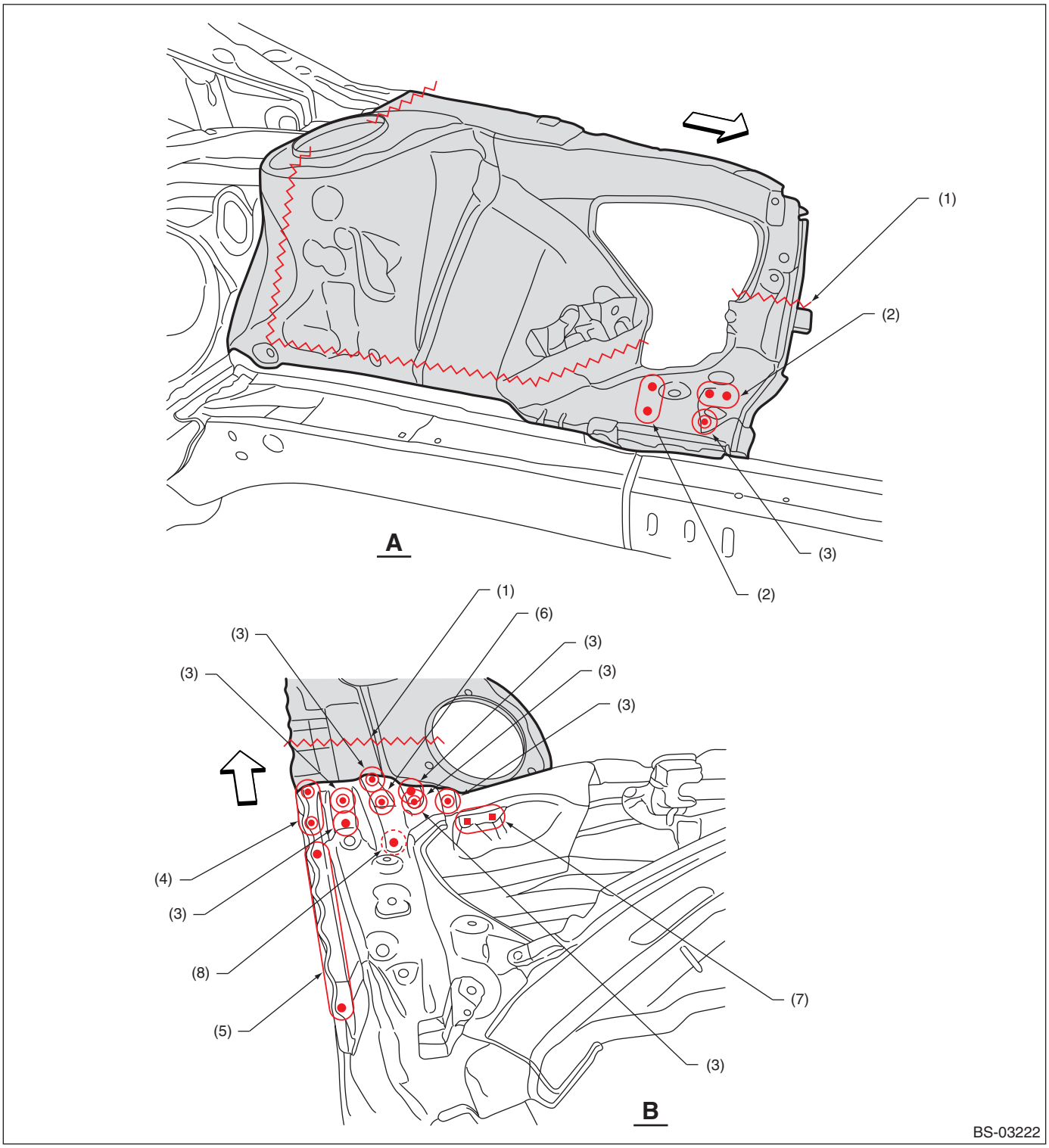
A: REMOVAL

- **Overall view (radiator panel removal condition)**



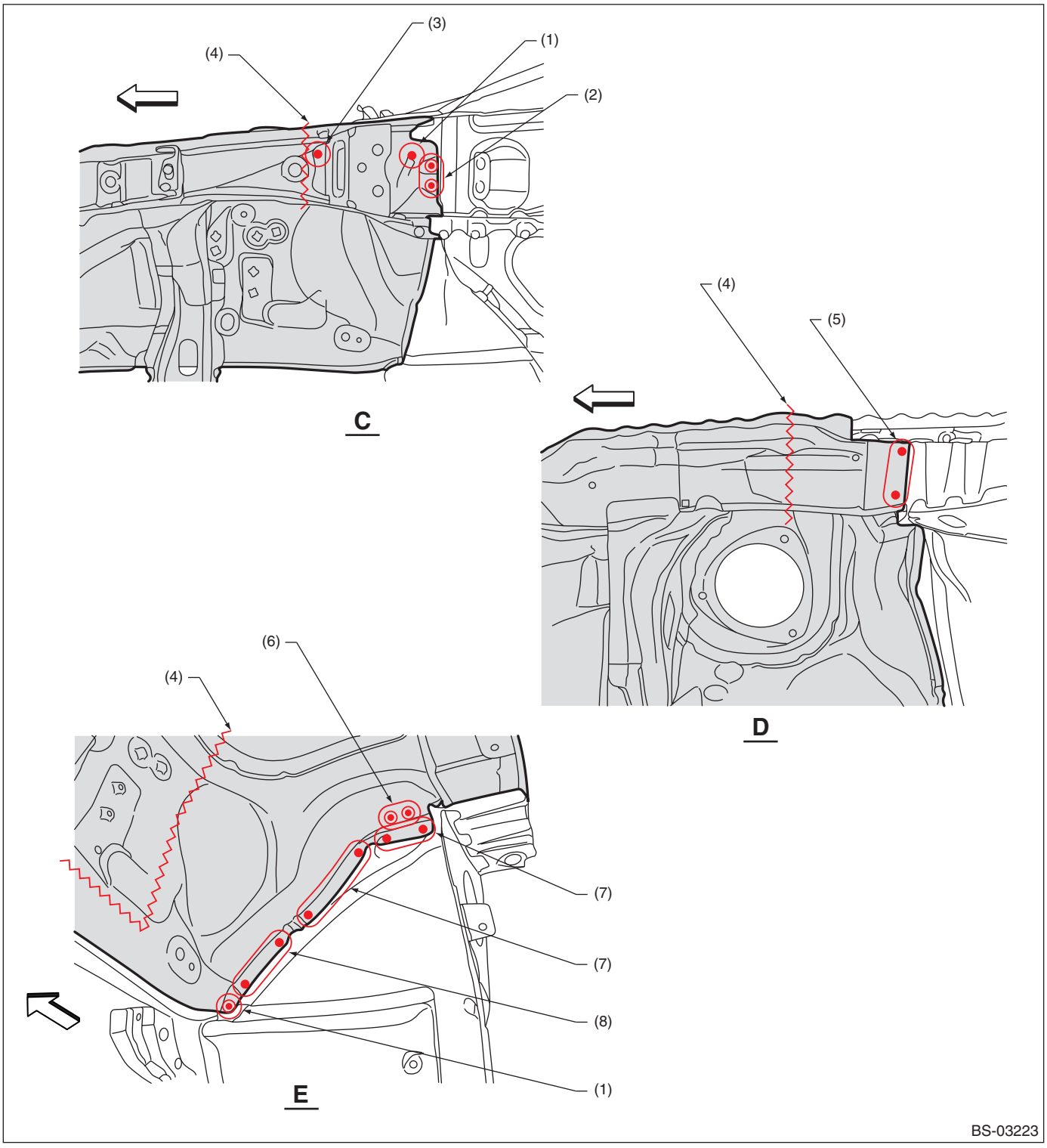
(1)	1 point (outside · 2)	(4)	Rough cutting	(7)	6 points (outside · 1)
(2)	1 point (outside · 1)	(5)	4 points (outside · 1, belt sander)	(8)	2 points (outside · 1, belt sander)
(3)	3 points (outside · 1)	(6)	4 points (outside · 1)	(9)	2 points (outside · 1)

- **Views 1**



(1) Rough cutting
(2) 2 points (top · 1)
(3) 1 point (top · 1)
(4) 2 points (top · 2)
(5) 5 points (top · 1)
(6) 1 point (top · 2)
(7) 2 points (inside · 2, belt sander)
(8) 1 point (bottom · 1, belt sander)

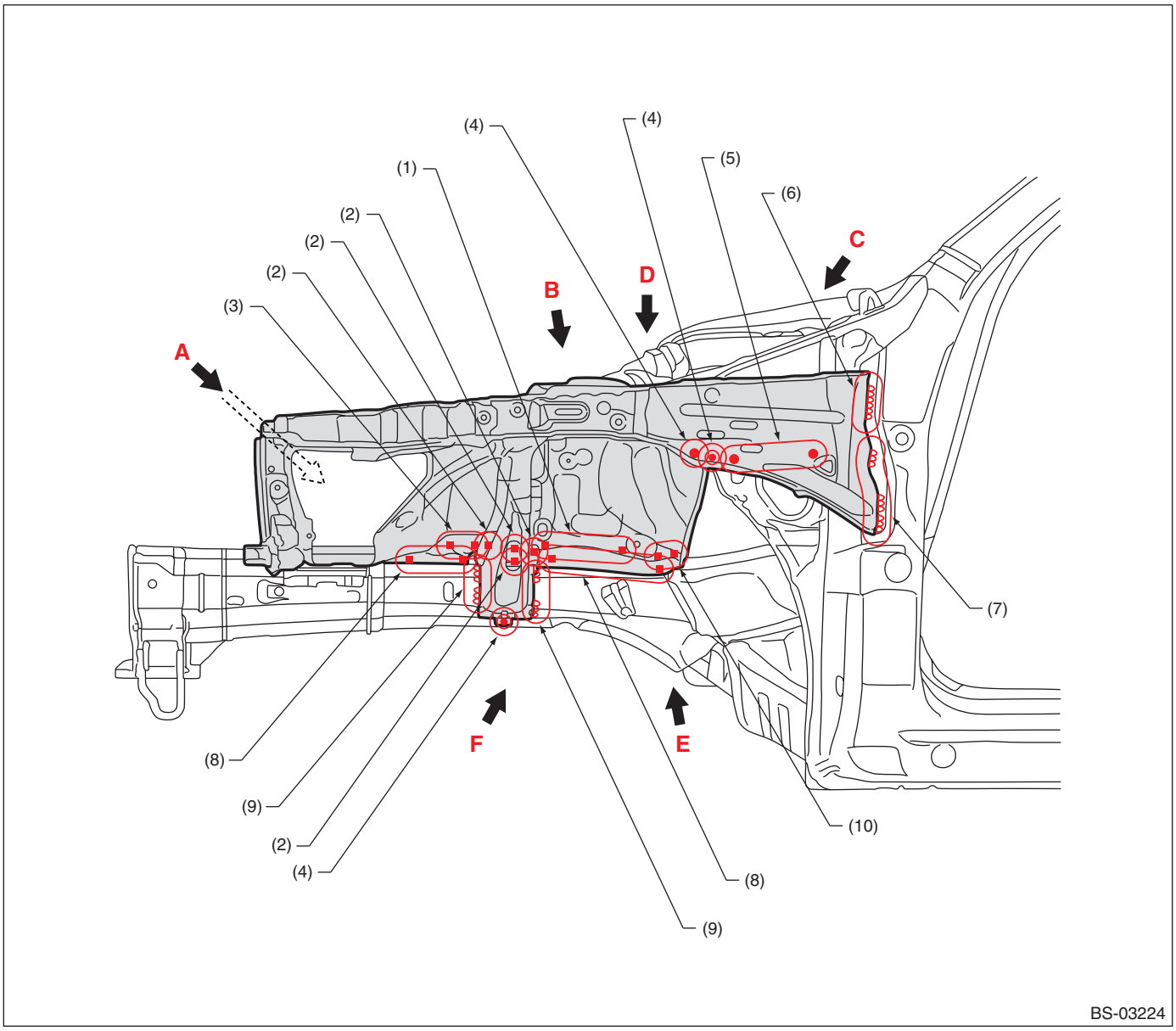
- **Views 2**



(1) 1 point (outside · 1)
(2) 2 points (outside · 2)
(3) 1 point (outside · 2)
(4) Rough cutting
(5) 4 points (bottom · 1)
(6) 2 points (bottom · 1)
(7) 3 points (outside · 1)
(8) 2 points (outside · 1)

B: INSTALLATION

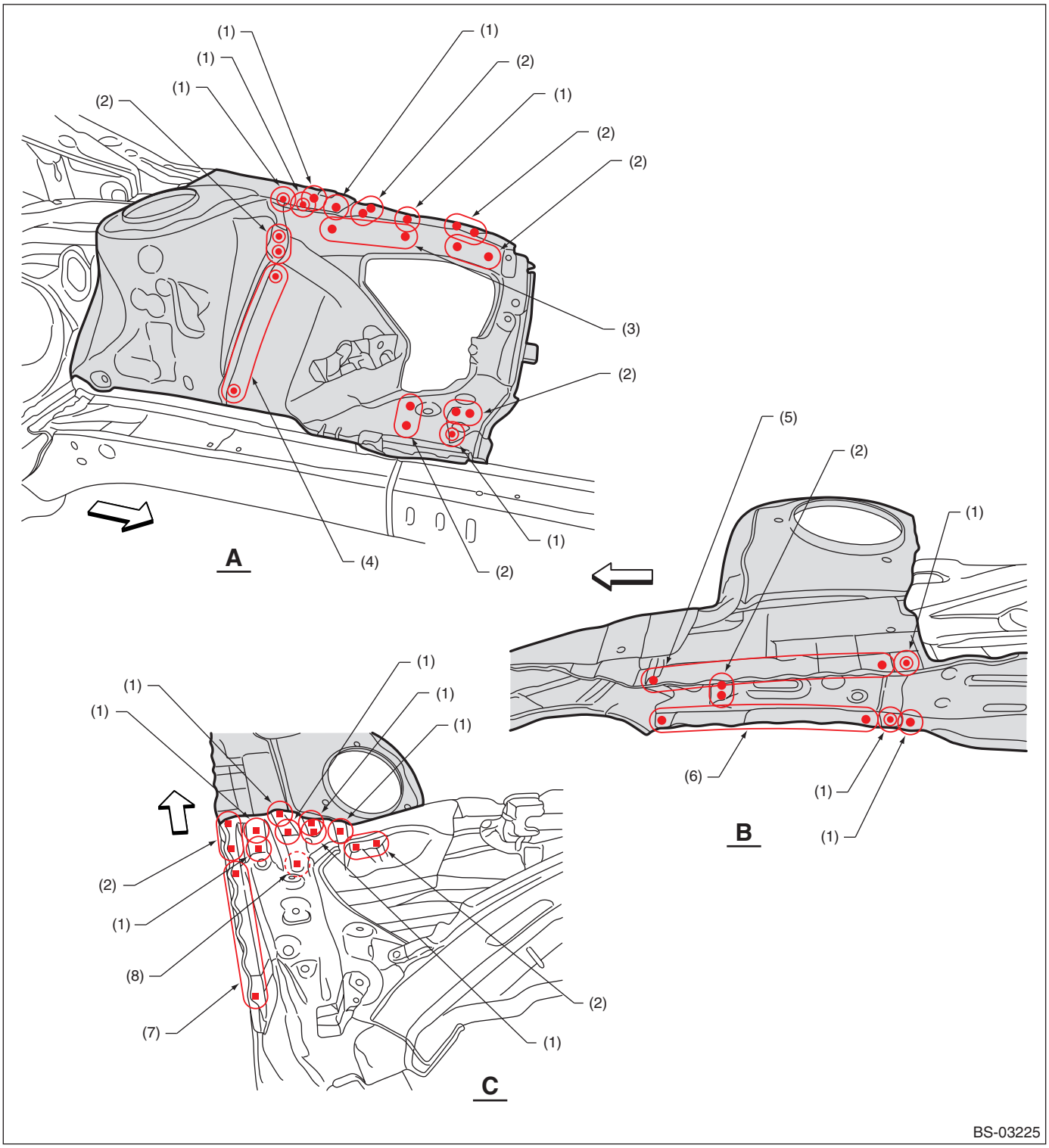
- **Overall view**



(1) 6 points (service)
(2) 1 point (service)
(3) 3 points (service)
(4) 1 point
(5) 4 points
(6) 1 point [55 mm (2.17 in)]
(7) 3 points [20 mm (0.79 in)]
(8) 4 points (service)
(9) 2 points [15 mm (0.59 in)]
(10) 2 points (service)

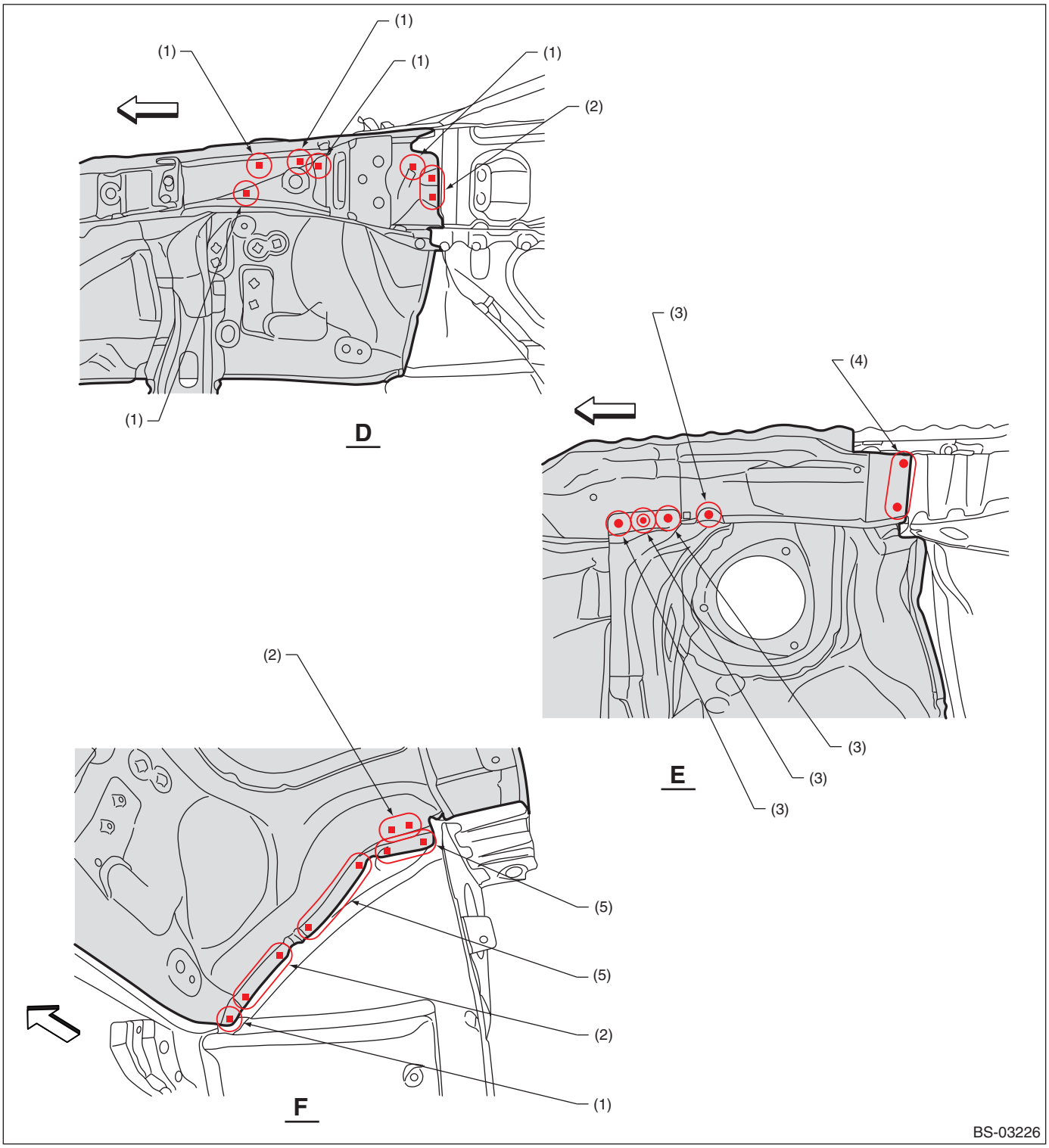
Front Wheel Apron (total replacement)

- **Views 1**



(1) 1 point
(2) 2 points
(3) 3 points
(4) 9 points
(5) 7 points
(6) 6 points
(7) 5 points
(8) 1 point (service)

- **Views 2**

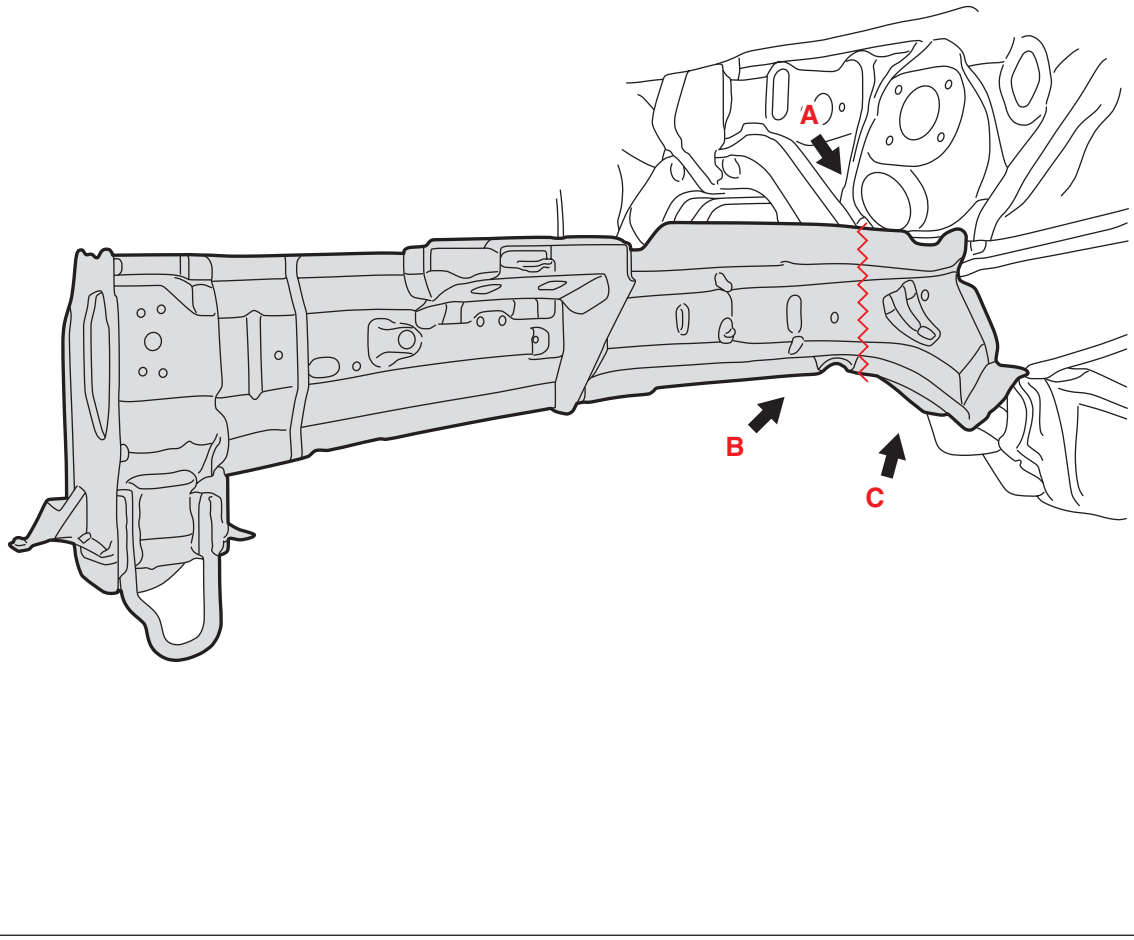


(1) 1 point (service)
(2) 2 points (service)
(3) 1 point
(4) 4 points
(5) 3 points (service)

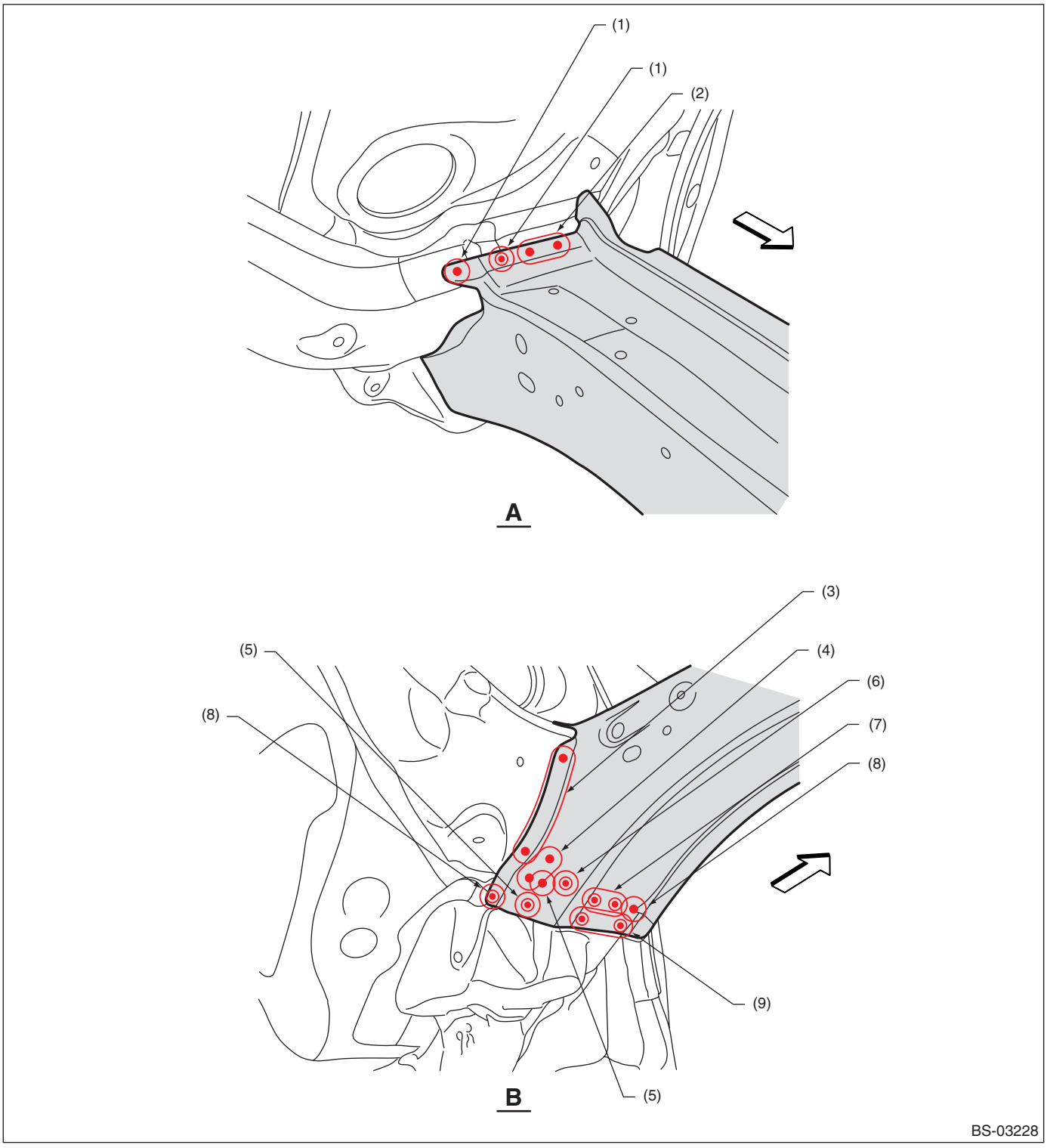
15.Front Side Frame (total replacement)

A: REMOVAL

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

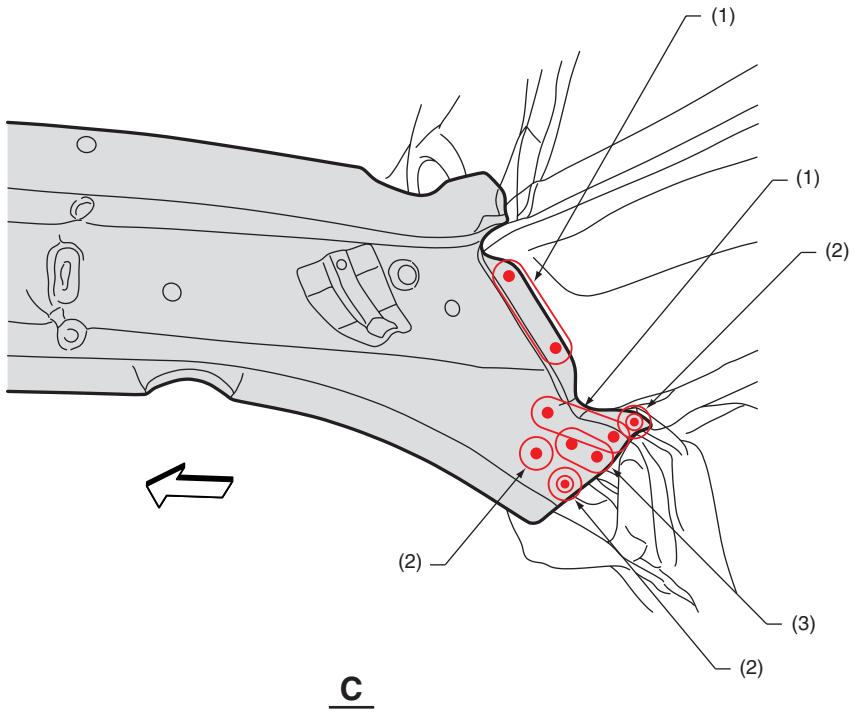


- **Views 1**



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

- **Views 2**



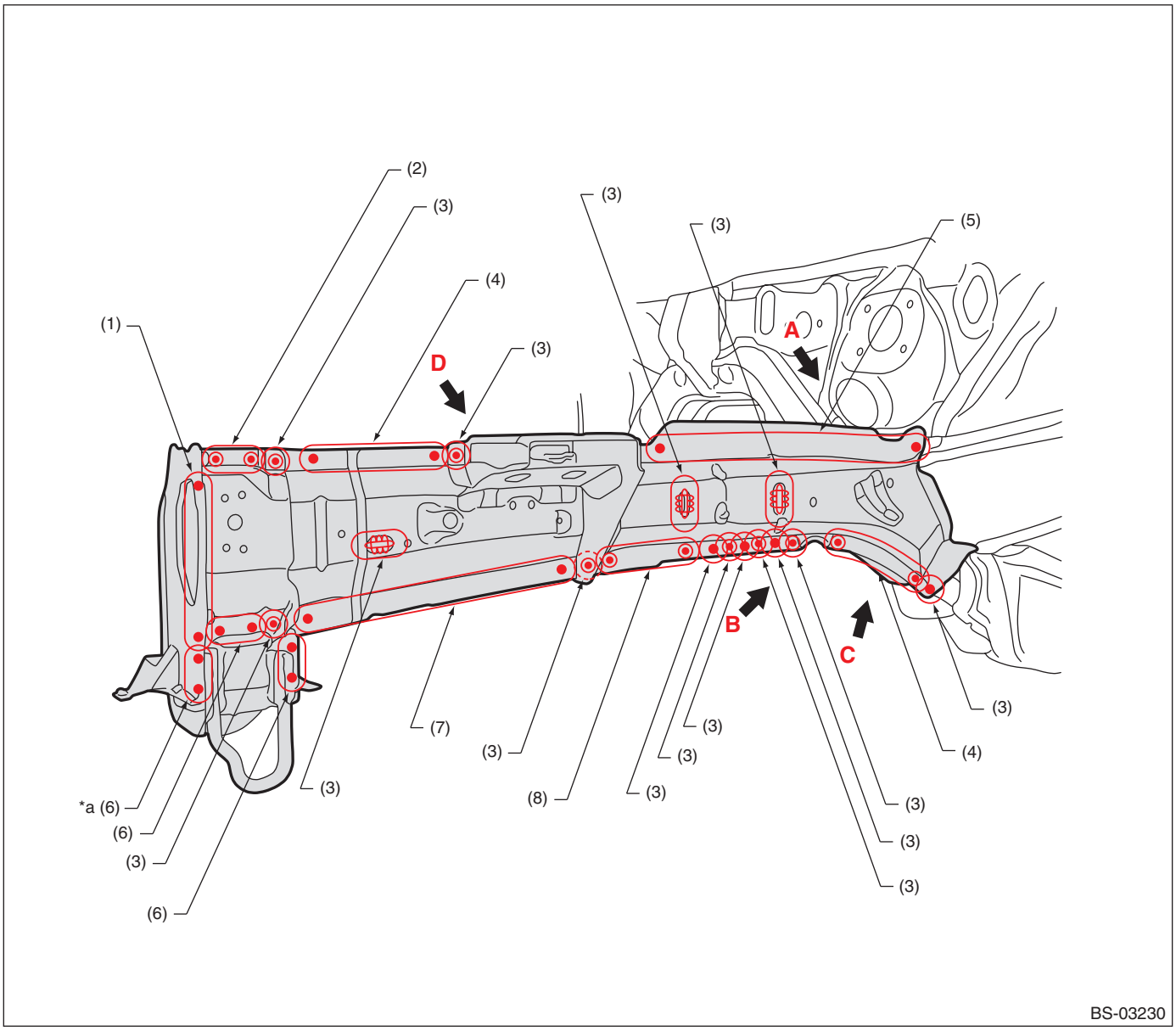
(1) 3 points (outside · 1)

(2) 1 point (outside · 1)

(3) 2 points (outside · 1)

B: INSTALLATION

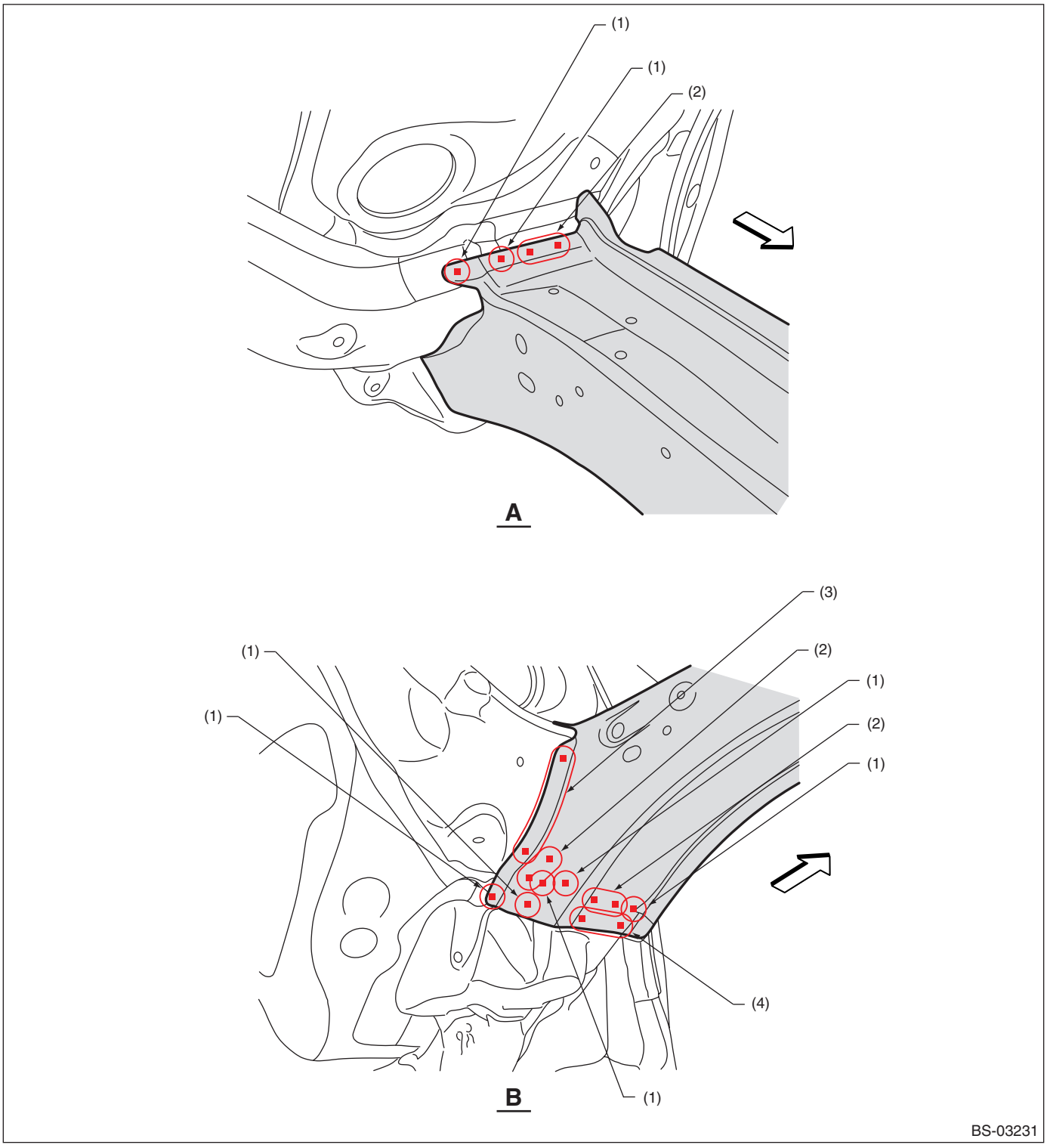
- **Overall view**



(1)	4 points	(4)	6 points	(7)	11 points
(2)	3 points	(5)	16 points	(8)	5 points
(3)	1 point	(6)	2 points		

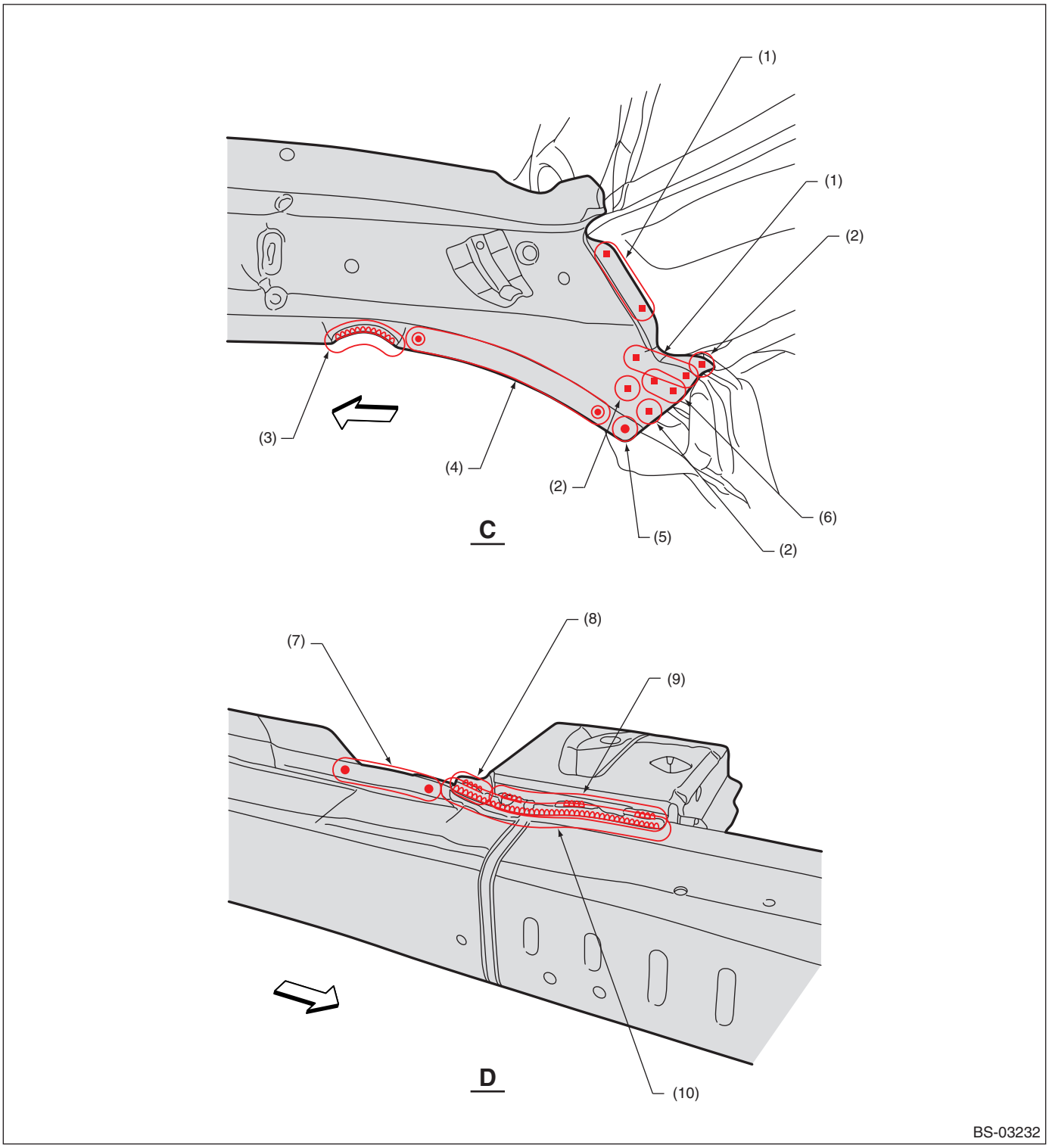
POINT: * For part a, spot welding is performed before tie-down hook installation, and then the tie-down hook is installed.

- **Views 1**



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

- **Views 2**

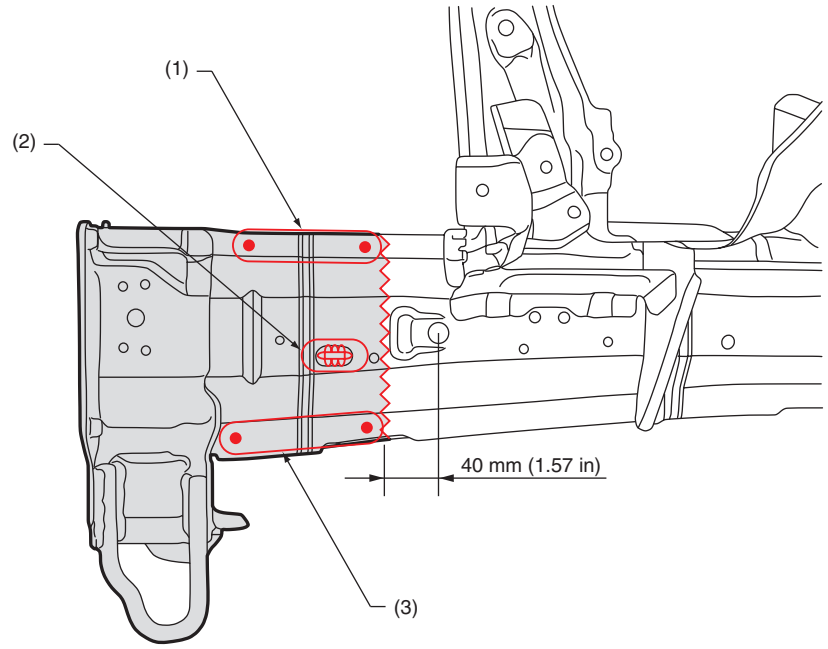


(1) 3 points (service)
(2) 1 point (service)
(3) 1 point [50 mm (1.97 in)]
(4) 6 points
(5) 1 point
(6) 2 points (service)
(7) 3 points
(8) 1 point [20 mm (0.79 in)]
(9) 3 points [25 mm (0.98 in)]
(10) 1 point [145 mm (5.71 in)]

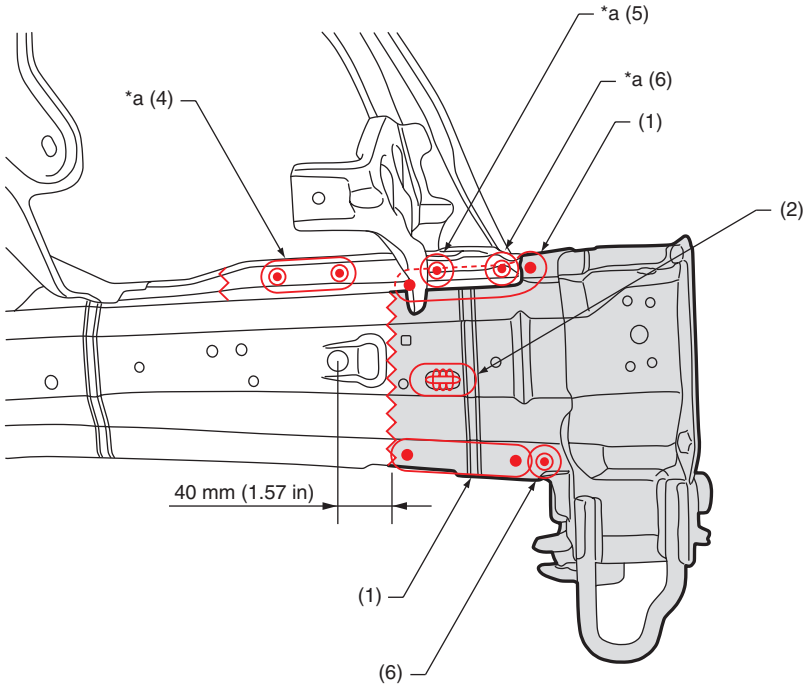
16.Closing Plate (partial replacement)

A: REMOVAL

LH



RH



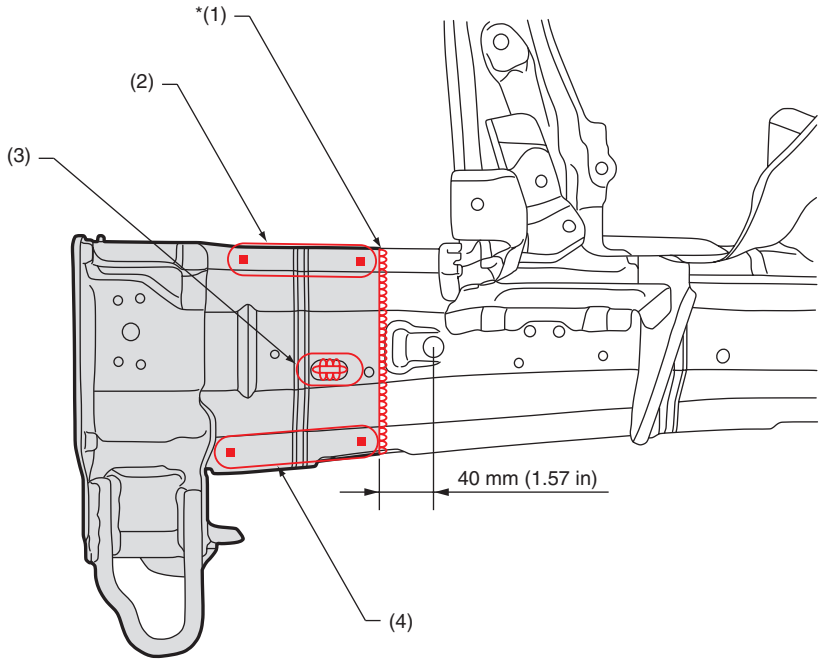
BS-03360

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

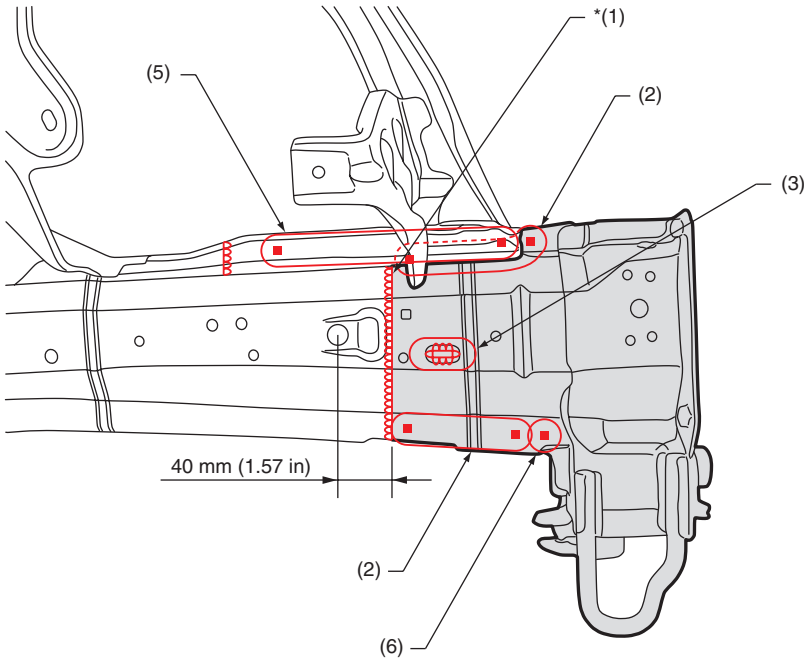
POINT: * For part a, a part of the front wheel apron is raised to facilitate closing plate cutting.

B: INSTALLATION

LH



RH



BS-03361

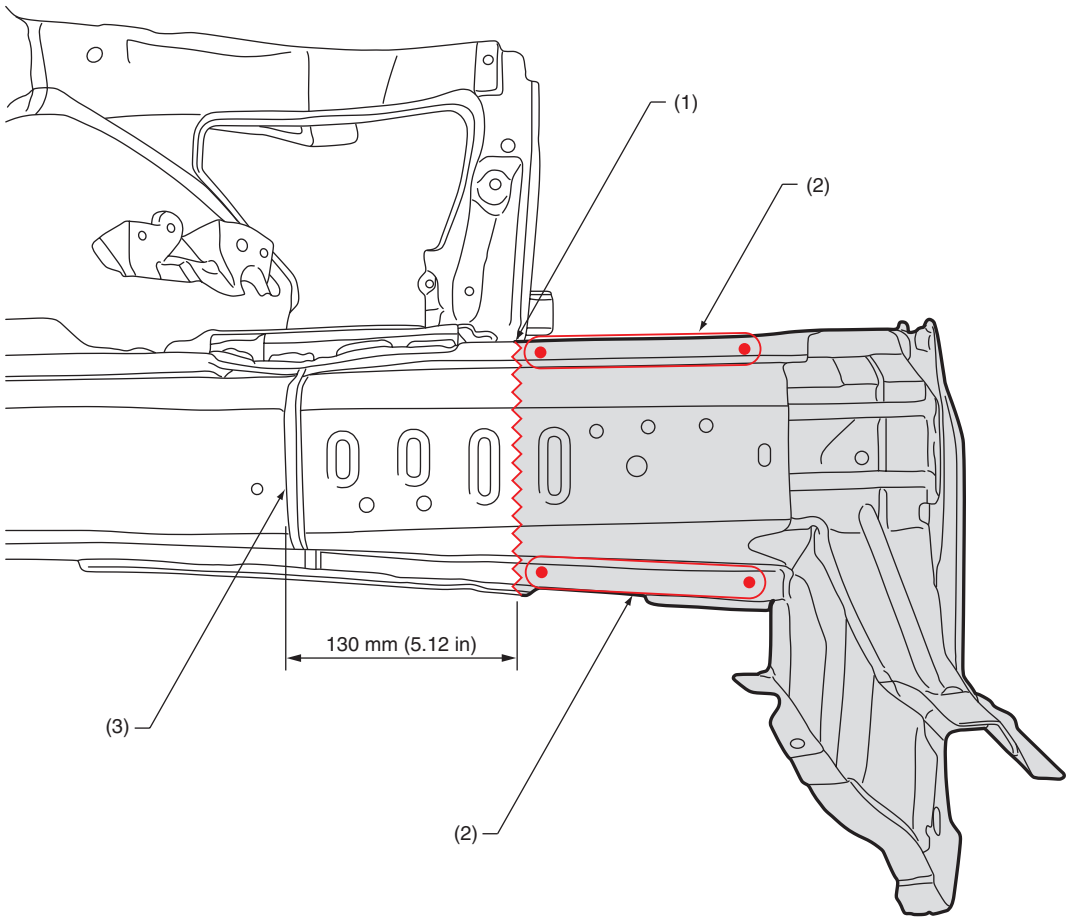
(1) 1 point [160 mm (6.30 in)]
(2) 4 points (service)
(3) 1 point
(4) 5 points (service)
(5) 4 points
(6) 1 point (service)

For continuous welds marked by *, anticorrosion wax shall be applied thoroughly on the rear.

17.Front Side Frame (partial replacement)

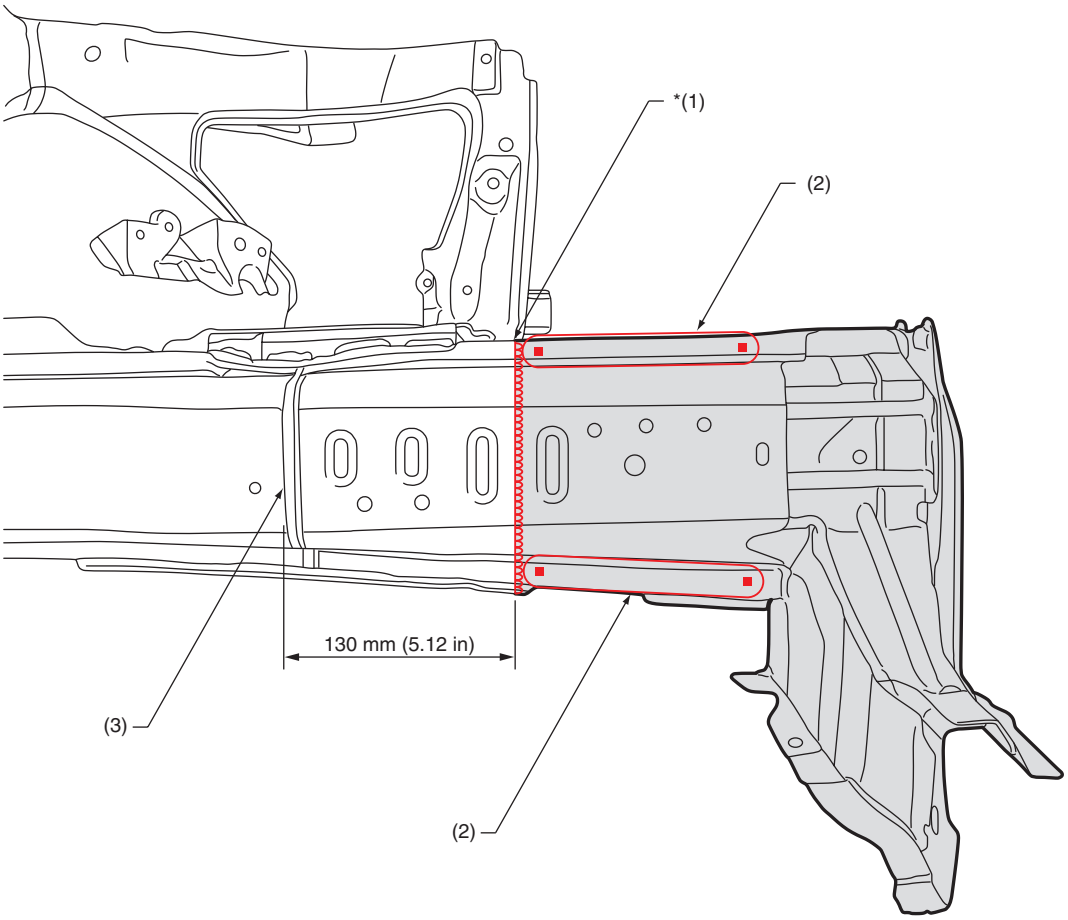
A: REMOVAL

- **Radiator panel removal condition**



(1) Cut position [220 mm (8.66 in)], for butt welding
(2) 6 points (inside · 1)
(3) Tailored line

B: INSTALLATION



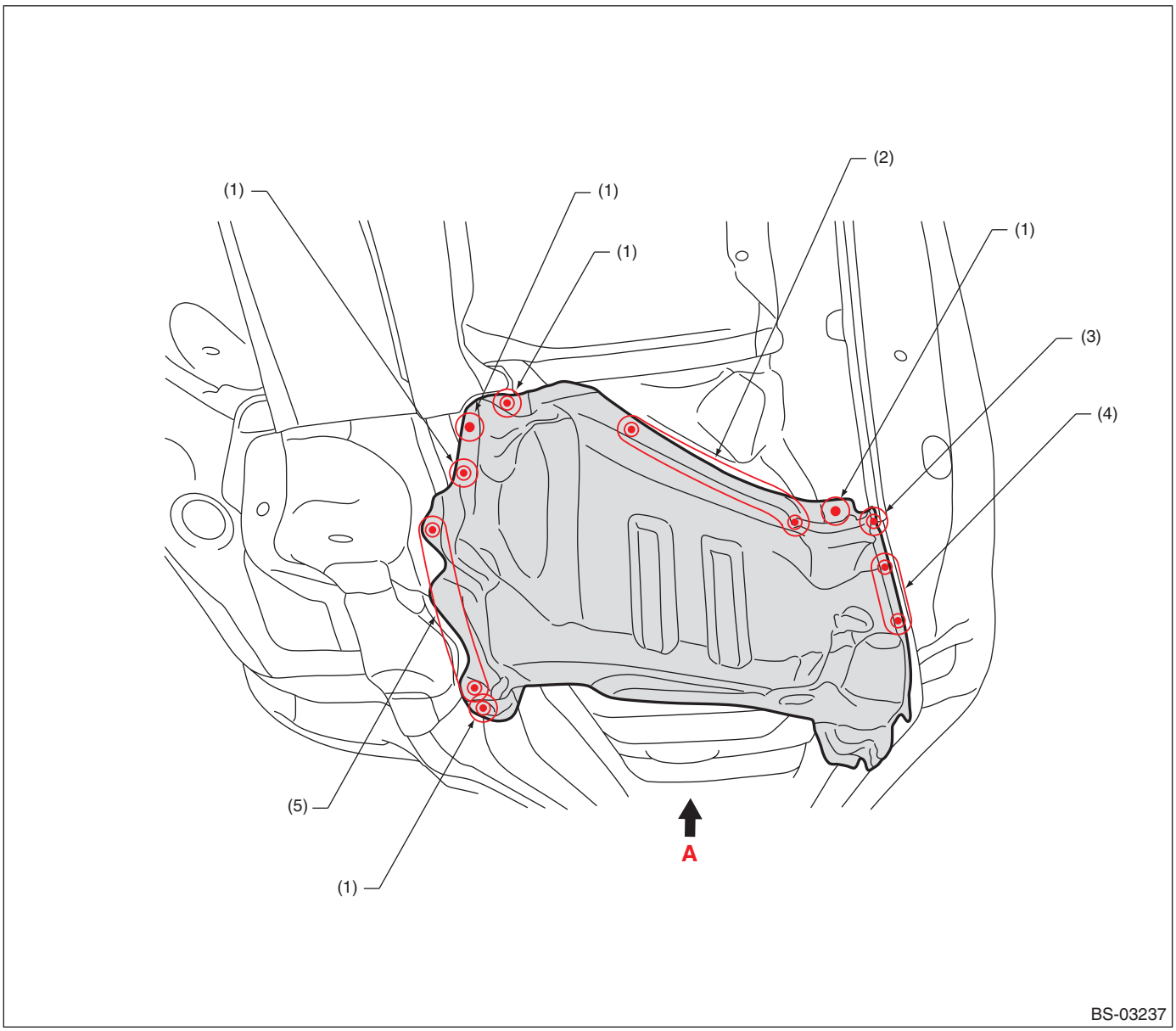
(1) 1 point [220 mm (8.66 in)] (2) 6 points (service) (3) Tailored line

For continuous welds marked by *, anticorrosion wax shall be applied thoroughly on the rear.

18.Toe Board Lower Reinforcement (total replacement)

A: REMOVAL

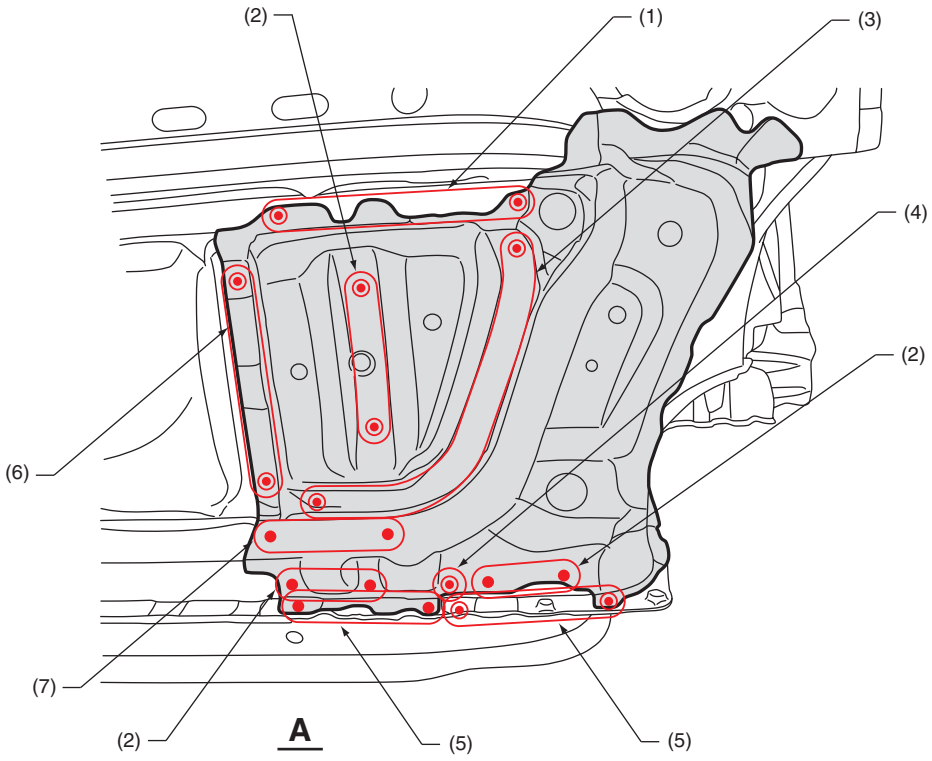
- **Overall view**



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

Toe Board Lower Reinforcement (total replacement)

- **Views**

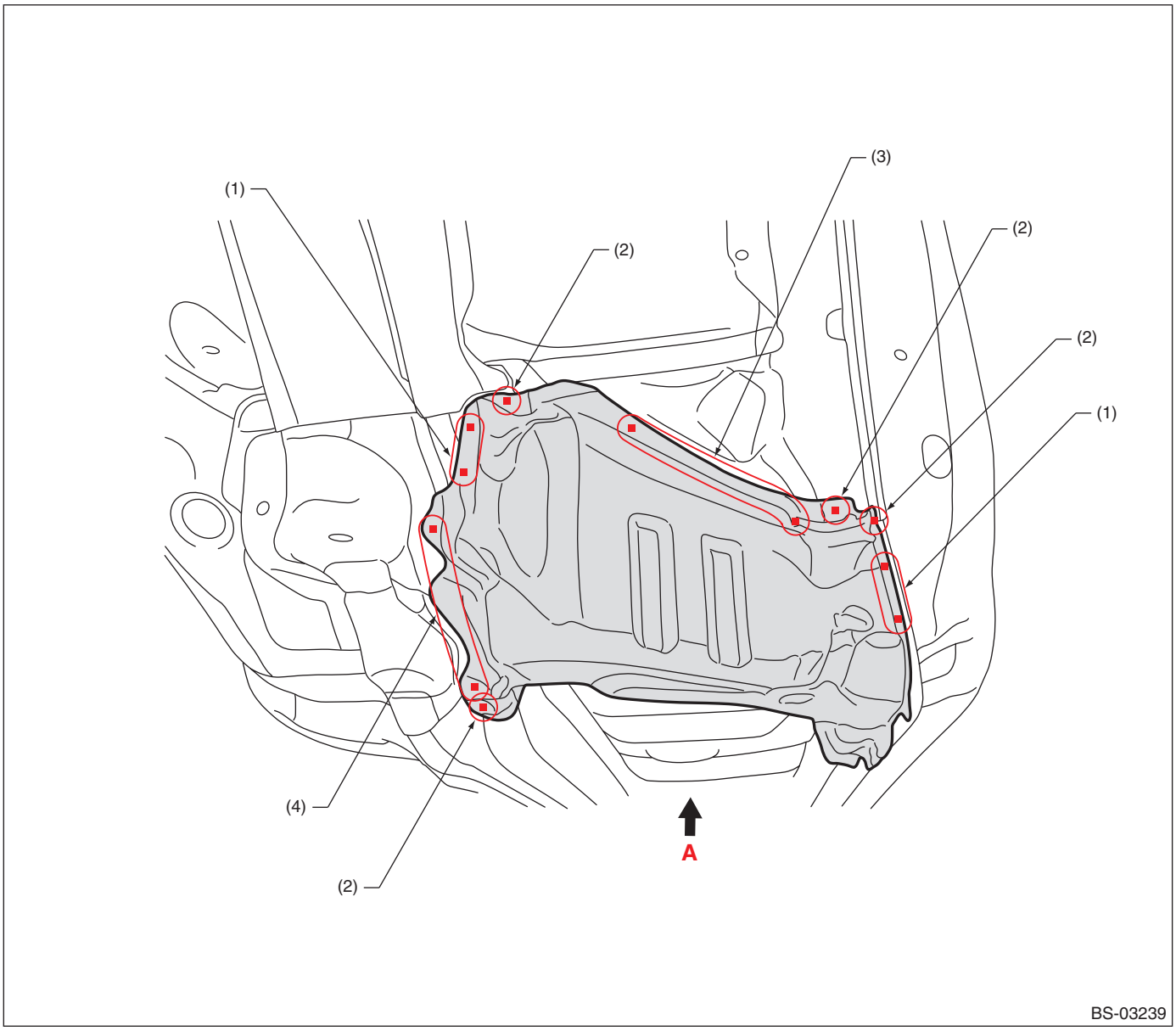


BS-03238

(1) 4 points (bottom · 1)
(2) 2 points (bottom · 1)
(3) 8 points (bottom · 1)
(4) 1 point (bottom · 1)
(5) 2 points (inside · 1)
(6) 3 points (bottom · 1)
(7) 3 points (inside · 1)

B: INSTALLATION

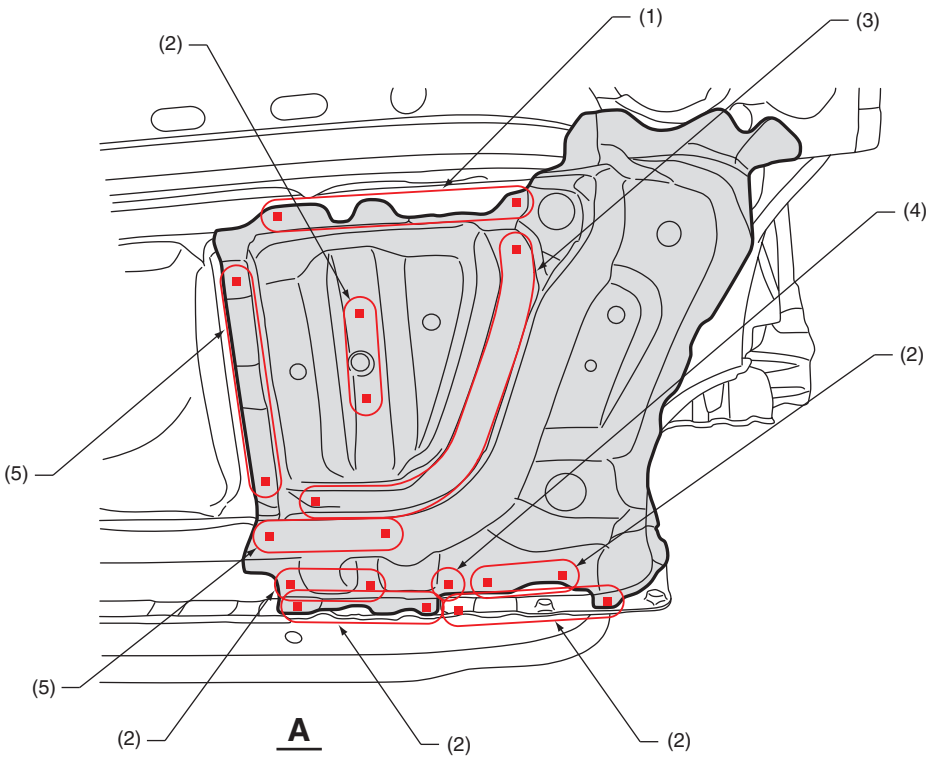
- **Overall view**



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

Toe Board Lower Reinforcement (total replacement)

- **Views**



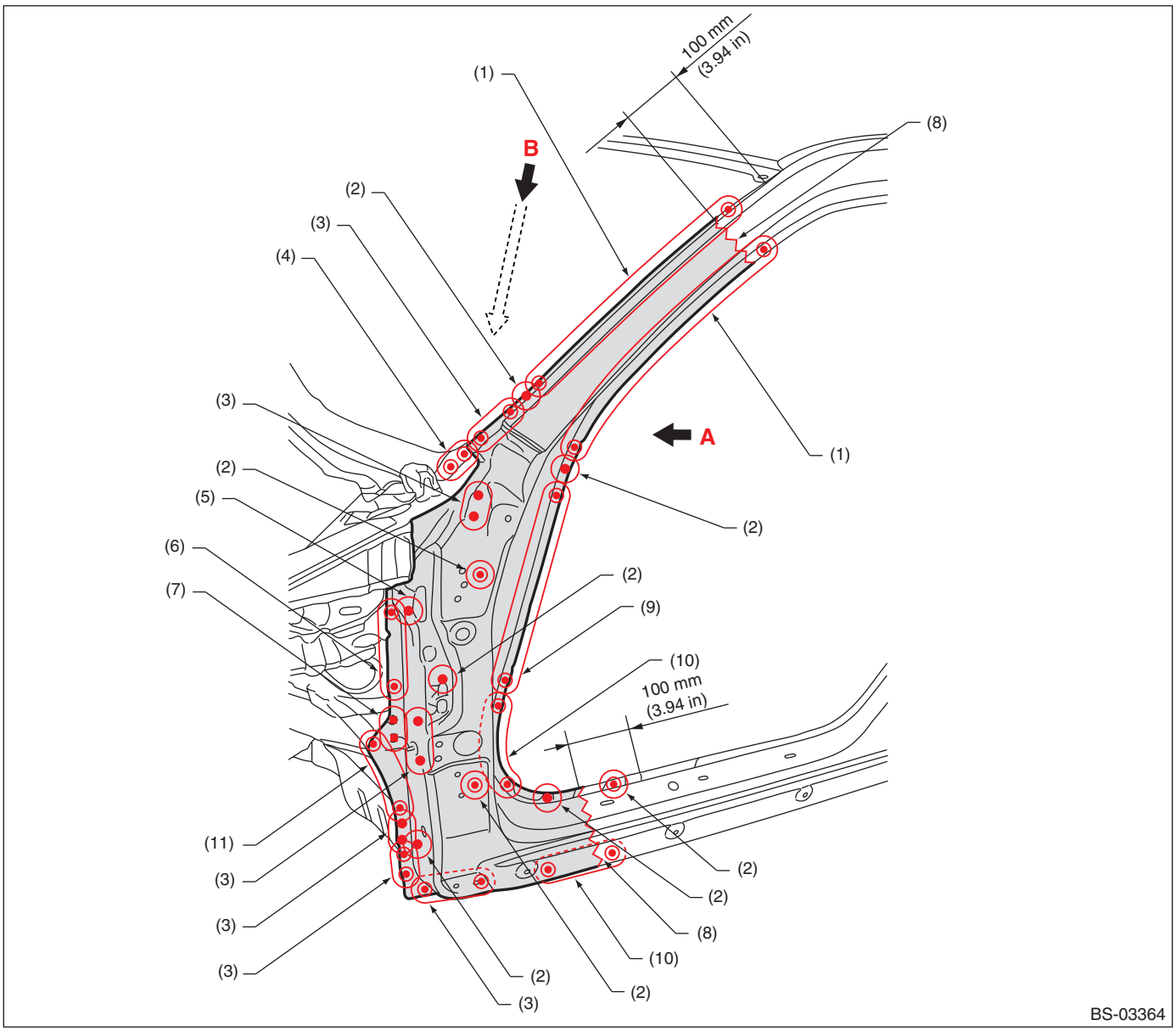
BS-03240

(1) 4 points (service)
(2) 2 points (service)
(3) 8 points (service)
(4) 1 point (service)
(5) 3 points (service)

19.Front Pillar (partial replacement)

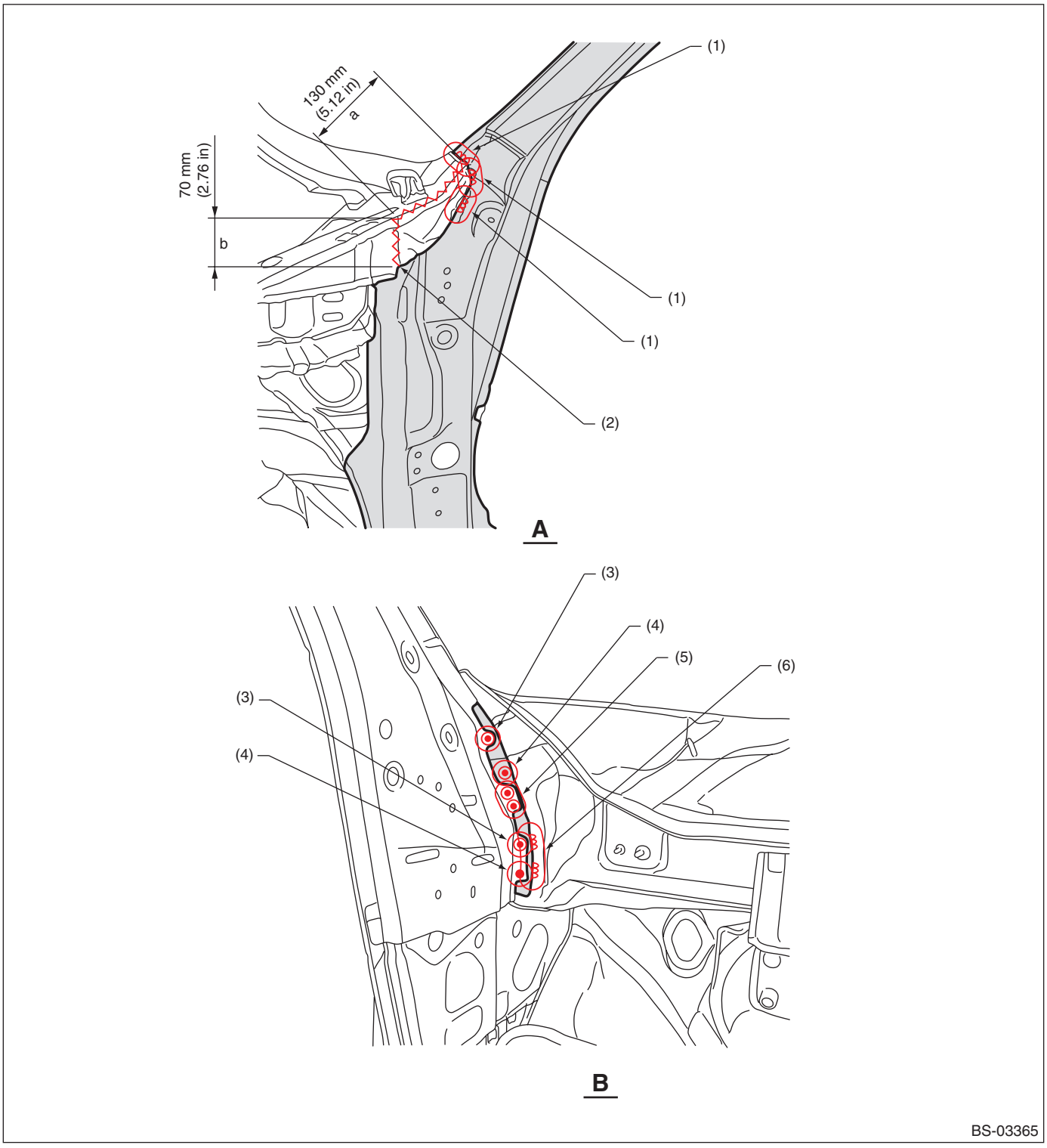
A: REMOVAL

- **Overall view (side upper frame removal condition)**



(1)	10 points (outside · 1)	(5)	1 point (outside · 1, belt sander)	(9)	8 points (outside · 1)
(2)	1 point (outside · 1)	(6)	4 points (outside · 1)	(10)	5 points (outside · 1)
(3)	2 points (outside · 1)	(7)	2 points (outside · 1, belt sander)	(11)	7 points (outside · 1)
(4)	2 points (outside · 2)	(8)	Rough cutting		

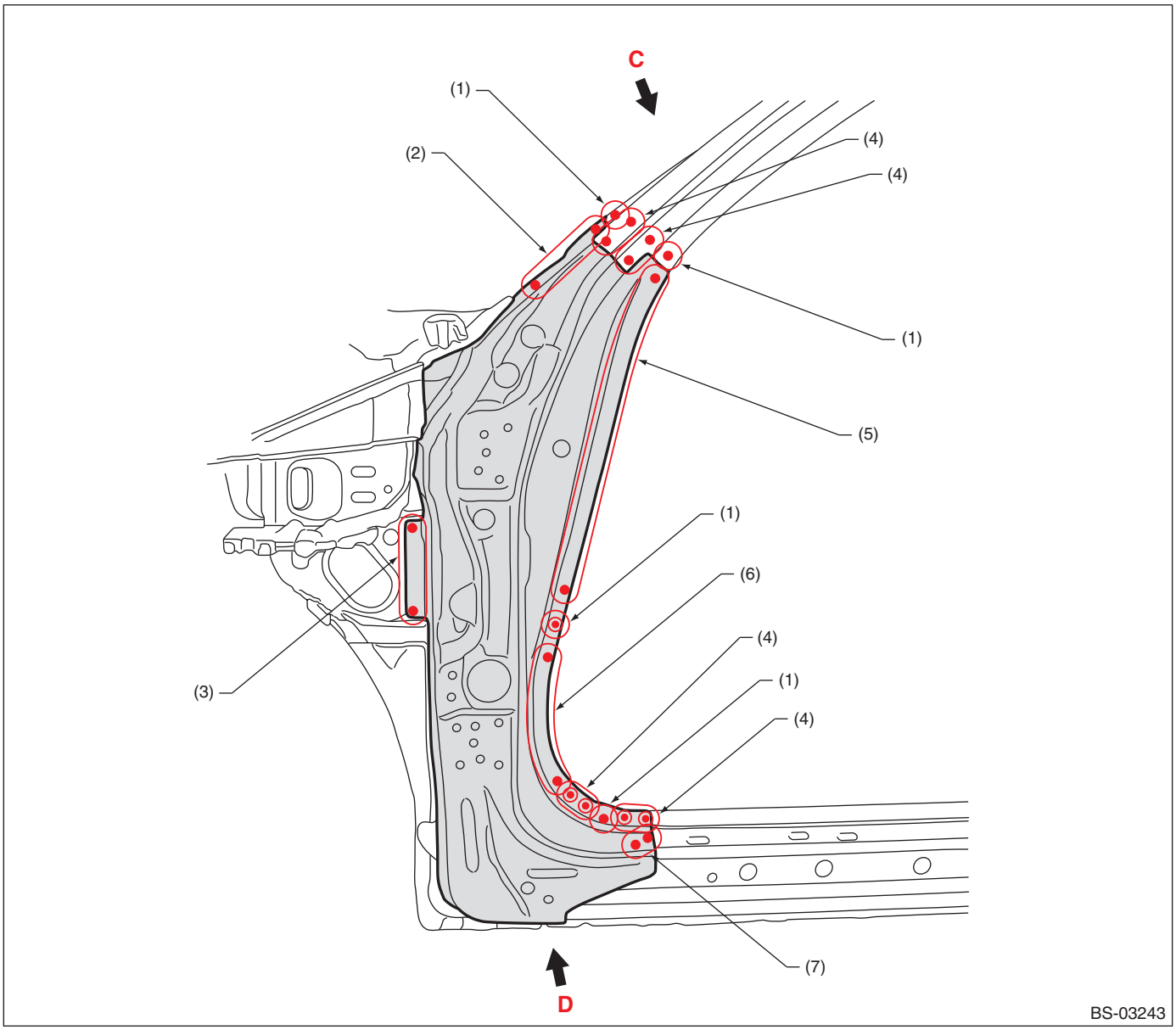
- **Views**



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

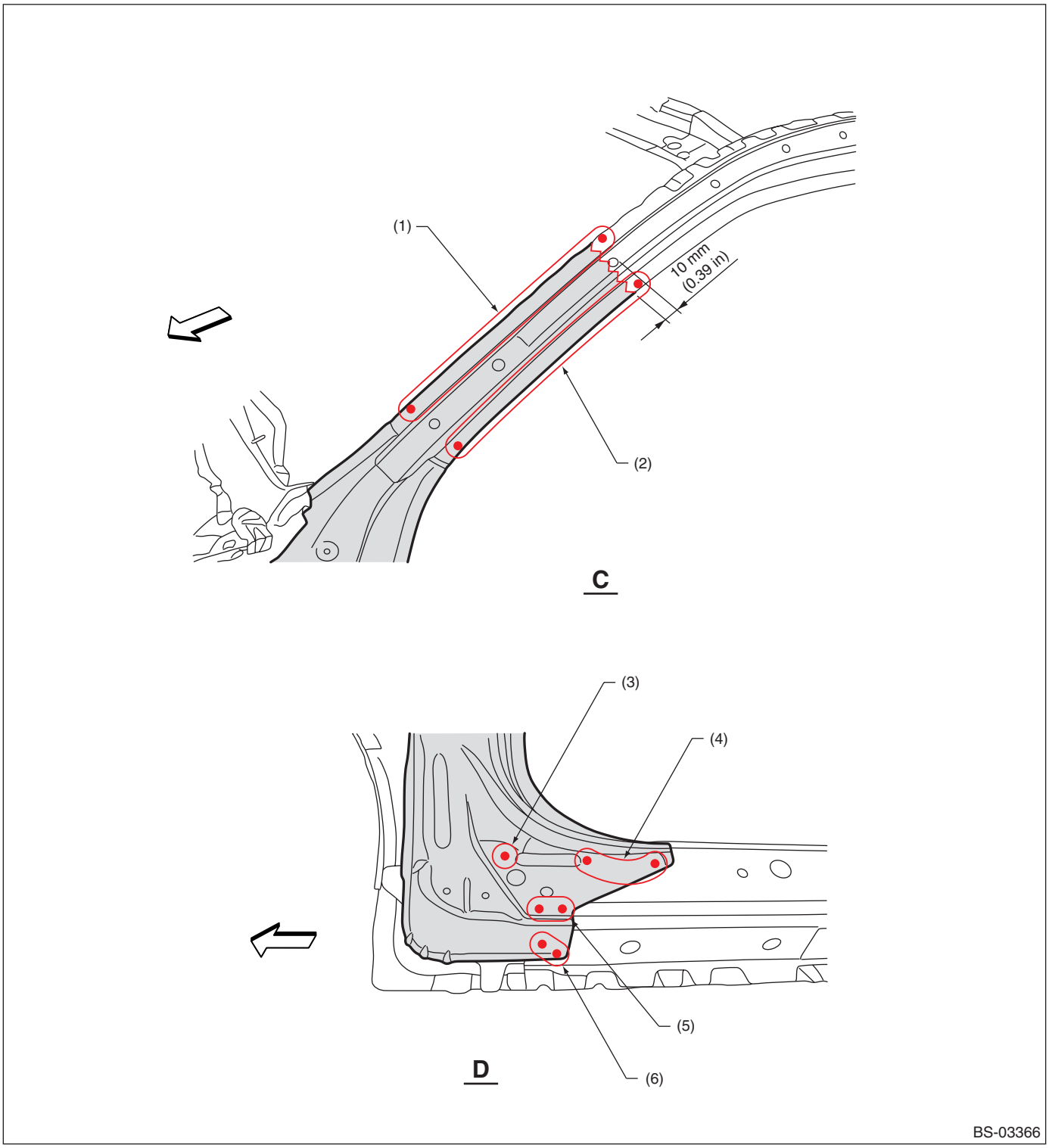
POINT: To facilitate removal, a part of the front panel is cut with dimensions a and b.

- **Overall view (front pillar outer removal condition)**



(1) 1 point (outside · 1)
(2) 3 points (outside · 1)
(3) 4 points (outside · 1)
(4) 2 points (outside · 1)
(5) 10 points (outside · 1)
(6) 5 points (outside · 1)
(7) 2 points (top · 1)

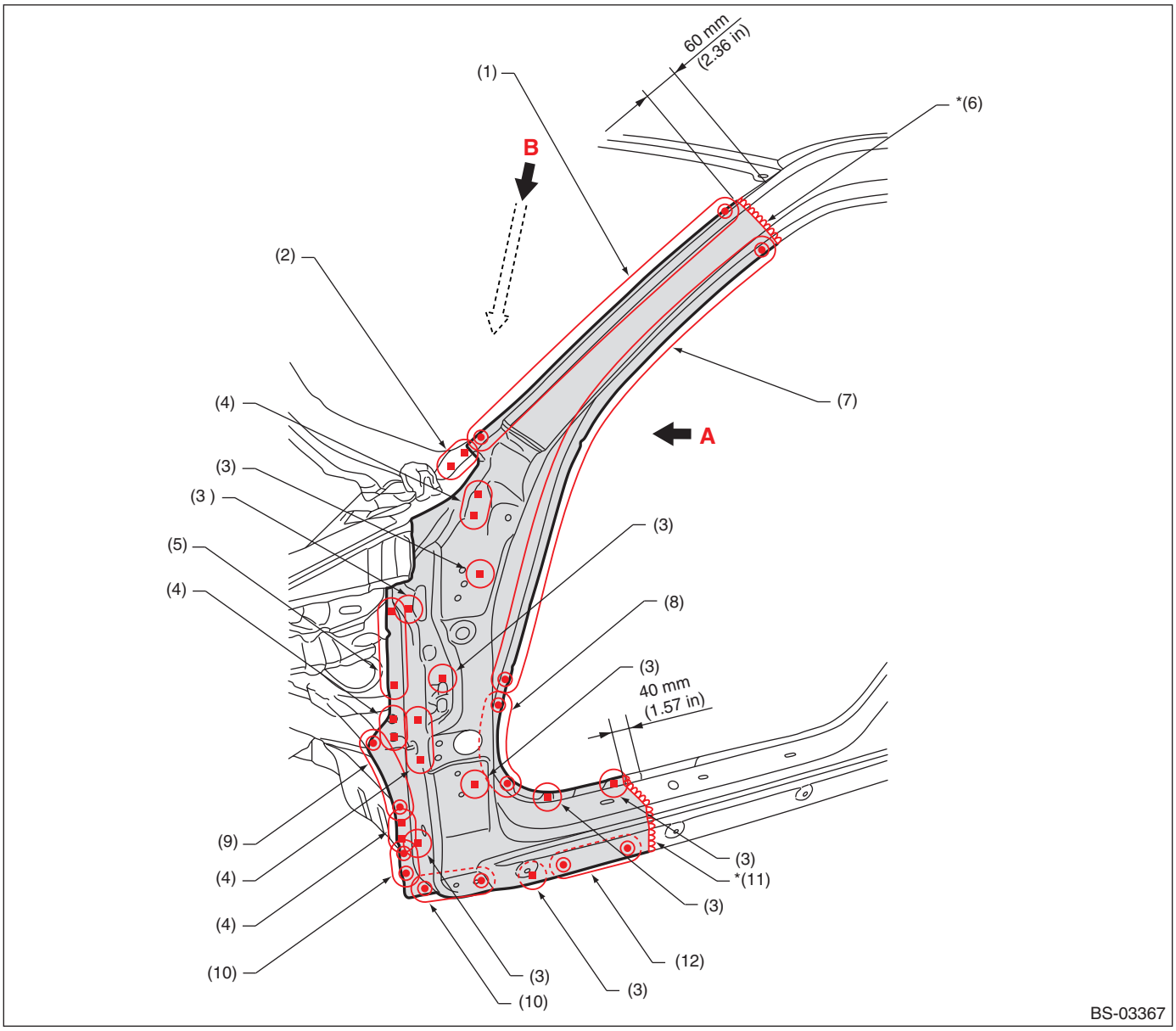
- **Views**



(1) 8 points (outside · 1)
(2) 7 points (outside · 1)
(3) 1 point (outside · 1)
(4) 3 points (outside · 1)
(5) 2 points (outside · 1)
(6) 2 points (bottom · 1)

B: INSTALLATION

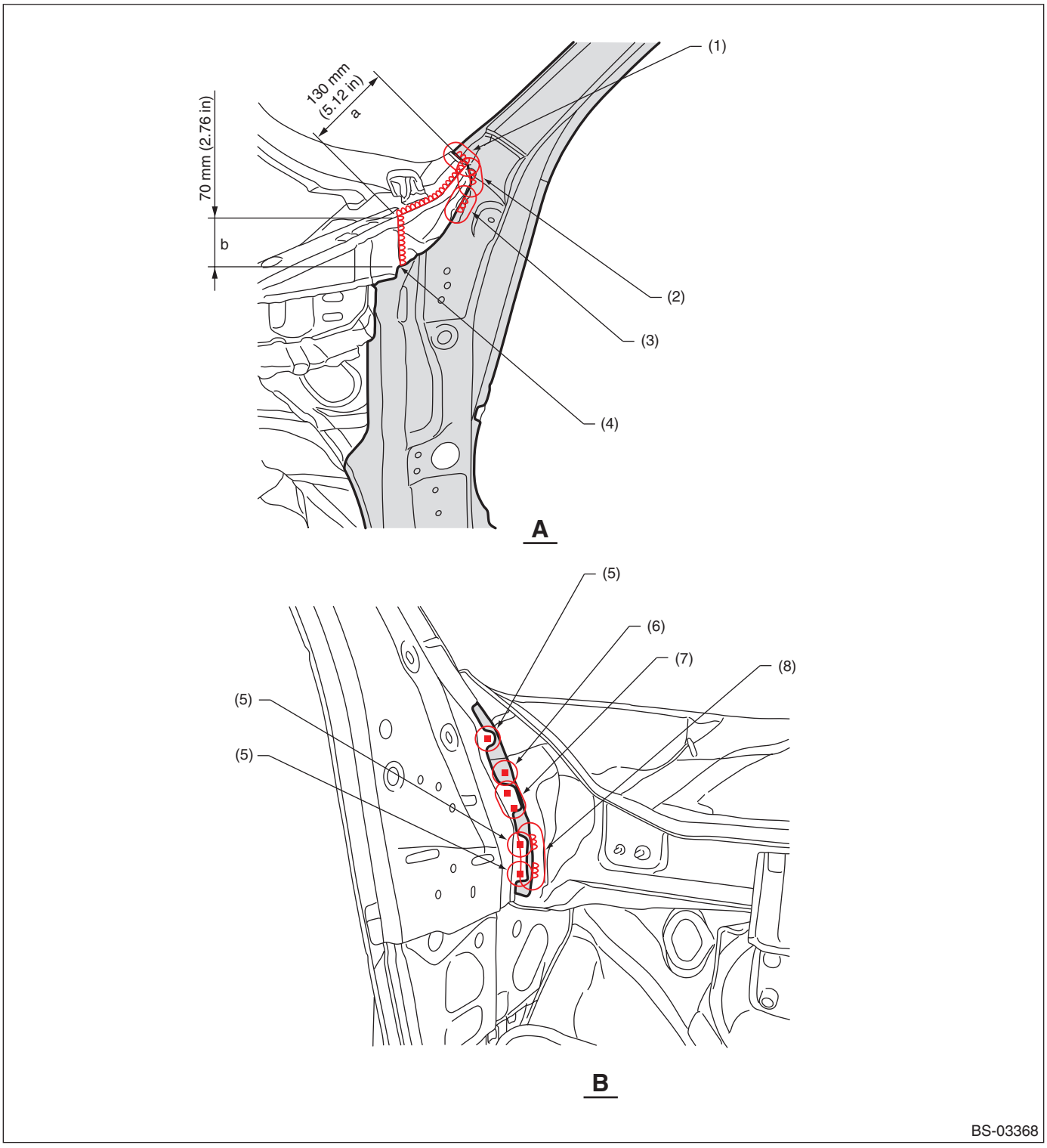
- **Overall view (side upper frame removal condition)**



(1)	13 points	(5)	4 points (service)	(9)	7 points
(2)	2 points (service · matching)	(6)	1 point [175 mm (6.89 in)]	(10)	2 points
(3)	1 point (service)	(7)	22 points	(11)	1 point [287 mm (11.30 in)]
(4)	2 points (service)	(8)	6 points	(12)	4 points

For continuous welds marked by *, anticorrosion wax shall be applied thoroughly on the rear.

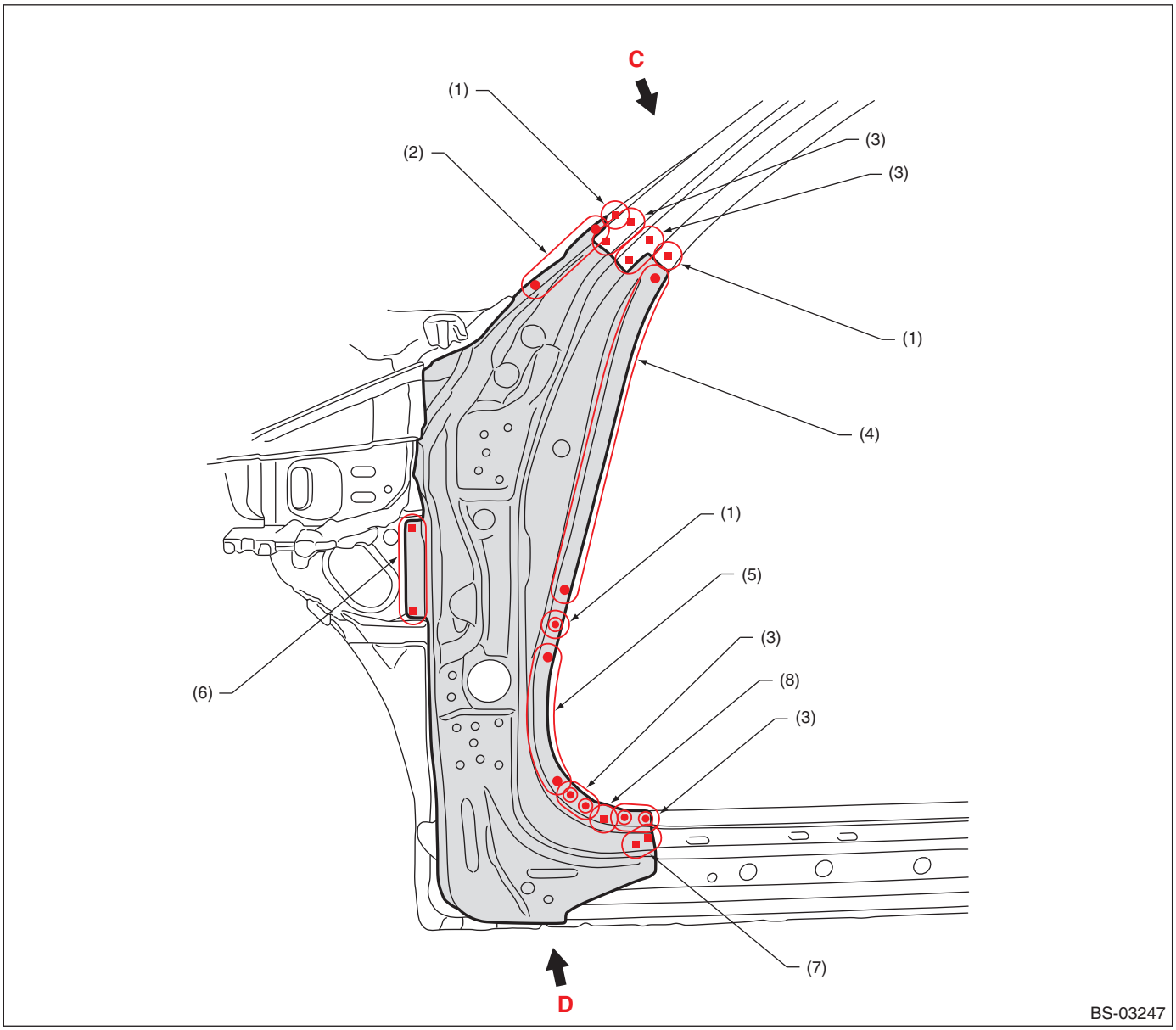
- **Views**



(1) 1 point [20 mm (0.79 in)]
(2) 1 point [15 mm (0.59 in)]
(3) 1 point [40 mm (1.57 in)]
(4) 1 point [200 mm (7.87 in)]
(5) 1 point
(6) 1 point (service)
(7) 2 points
(8) 2 points [15 mm (0.59 in)]

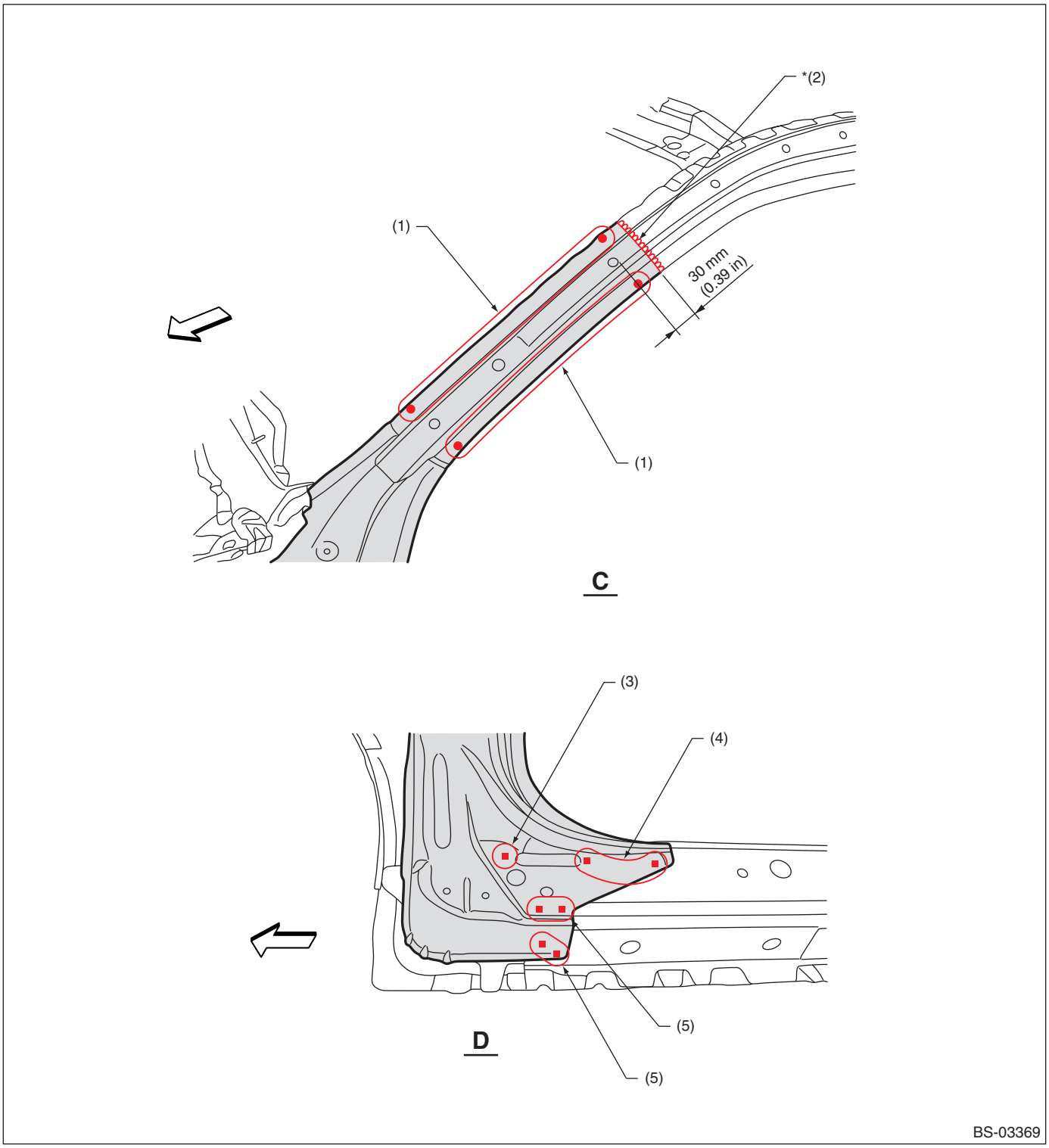
POINT: The cut parts a and b are welded after side panel outer front installation.

- **Overall view (front pillar outer removal condition)**



(1) 1 point
(2) 4 points
(3) 2 points
(4) 12 points
(5) 6 points
(6) 4 points (service)
(7) 2 points (service)
(8) 1 point (service)

- **Views**



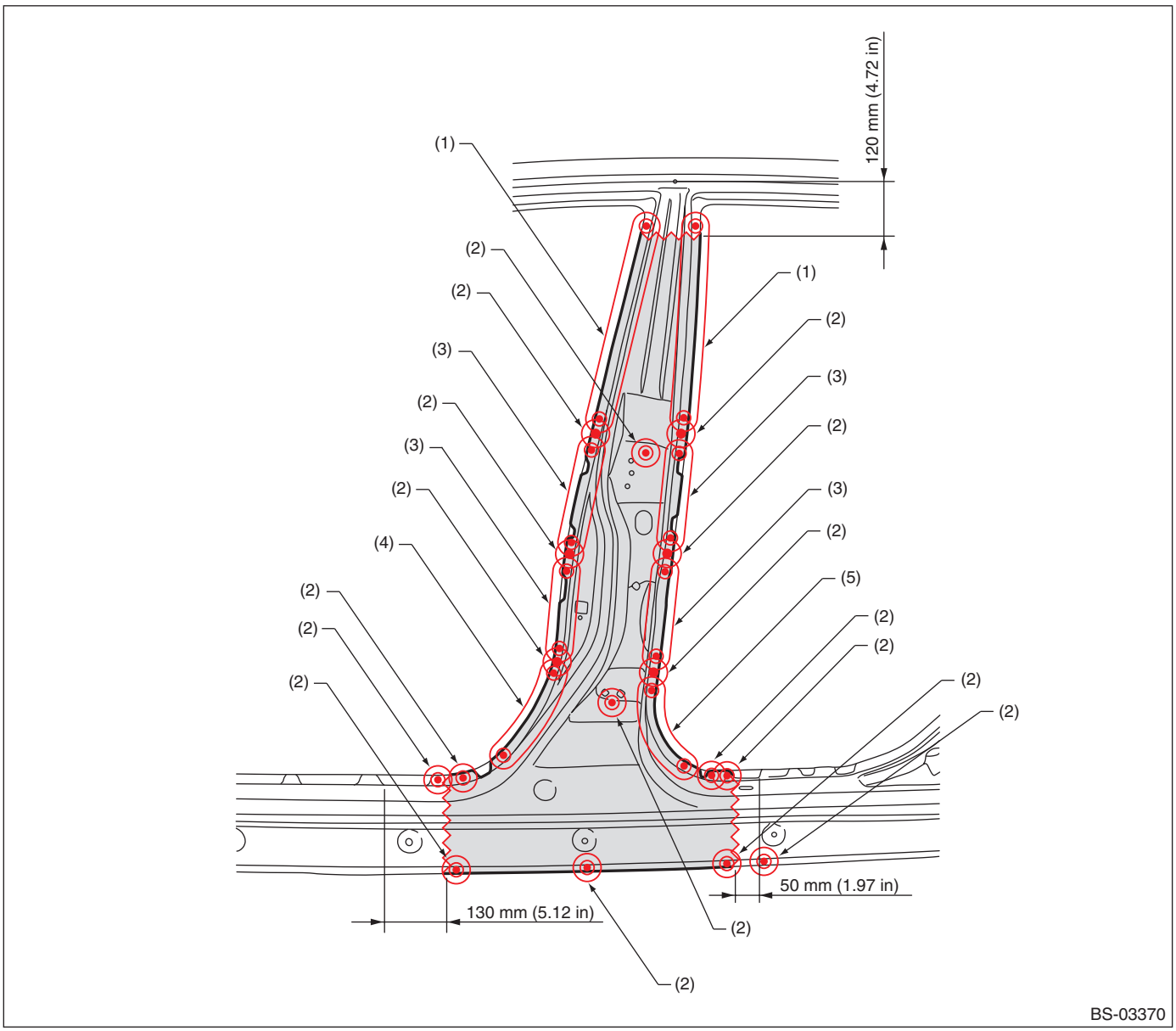
(1) 8 points
(2) 1 point [135 mm (5.31 in)]
(3) 1 point (service)
(4) 3 points (service)
(5) 2 points (service)

For continuous welds marked by *, anticorrosion wax shall be applied thoroughly on the rear.

20.Center Pillar (partial replacement)

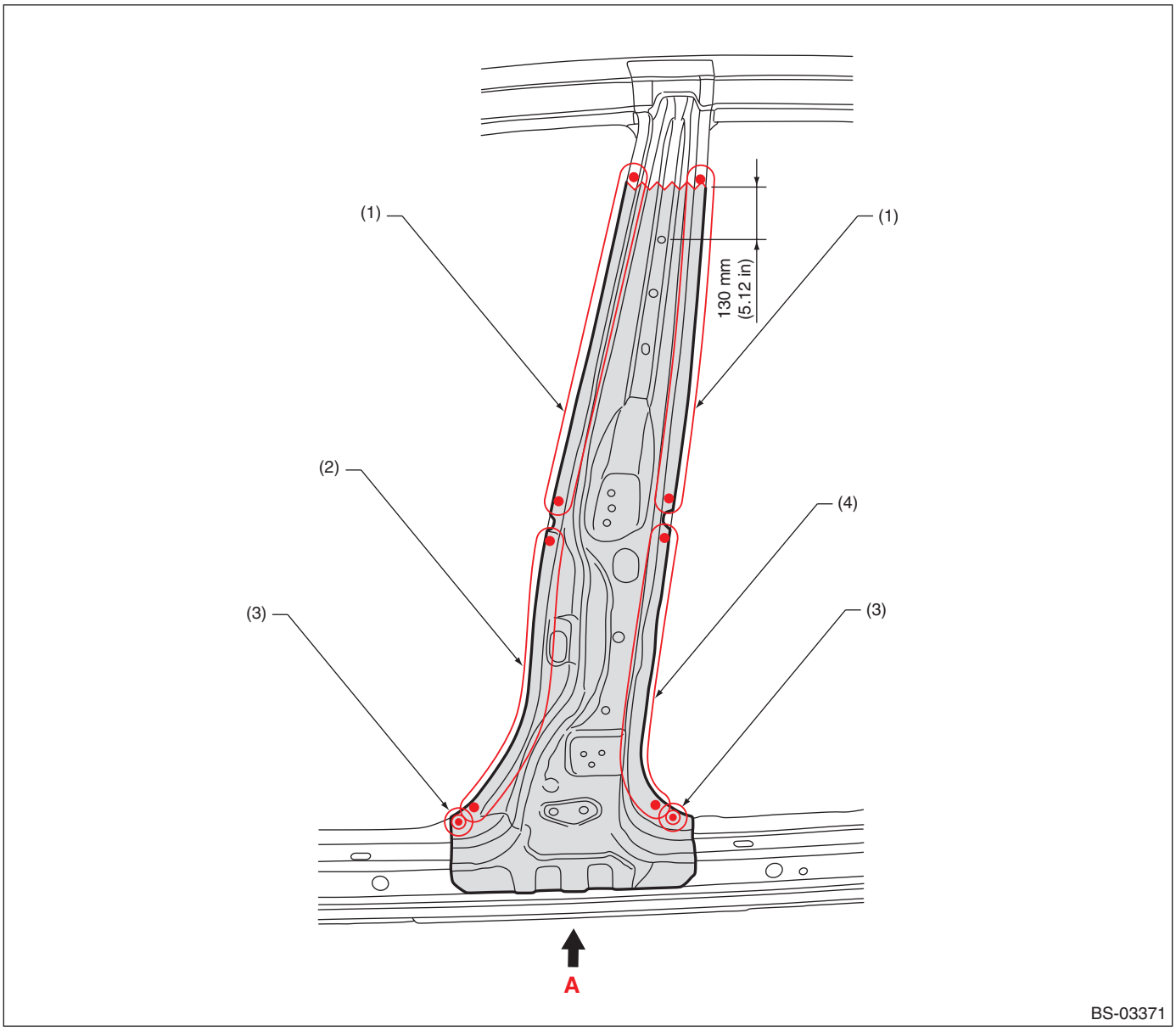
A: REMOVAL

- **Overall view**



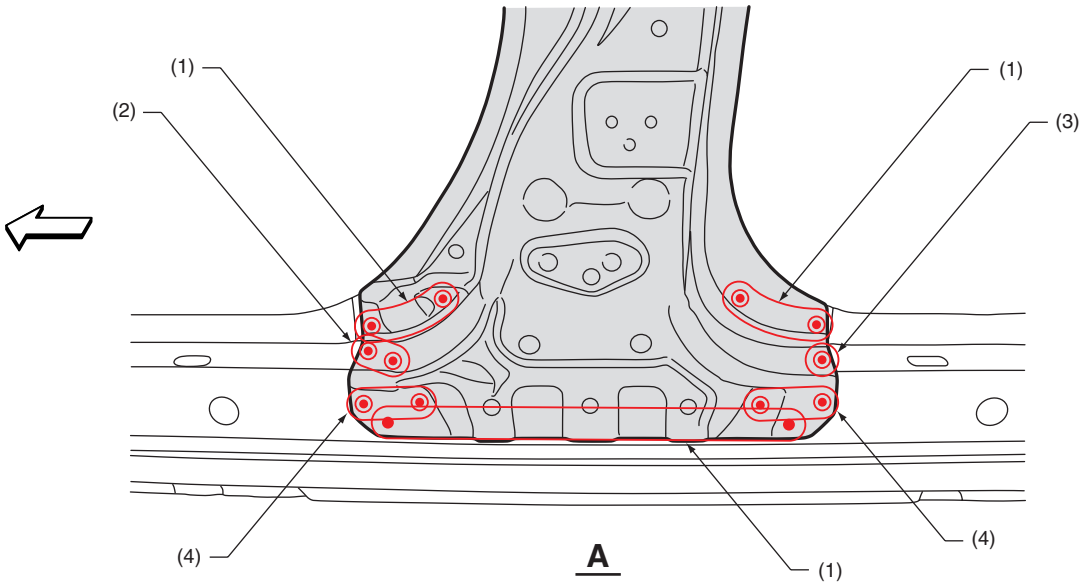
(1) 11 points (outside · 1)
(2) 1 point (outside · 1)
(3) 4 points (outside · 1)
(4) 7 points (outside · 1)
(5) 6 points (outside · 1)

- **Overall view (center pillar outer removal condition)**



(1) 11 points (outside · 1)
(2) 14 points (outside · 1)
(3) 1 point (outside · 1)
(4) 13 points (outside · 1)

- **Views**

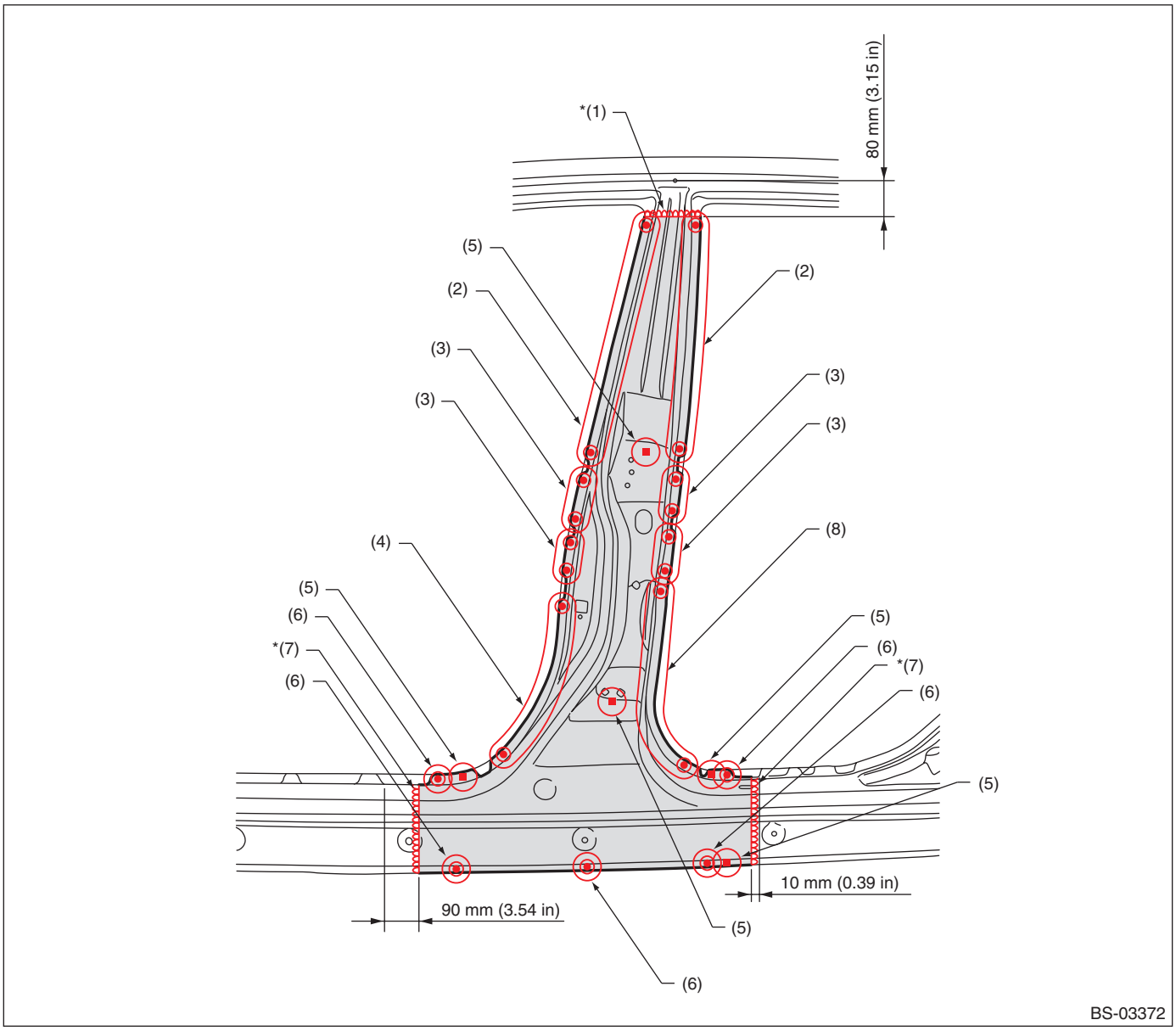


BS-03251

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

B: INSTALLATION

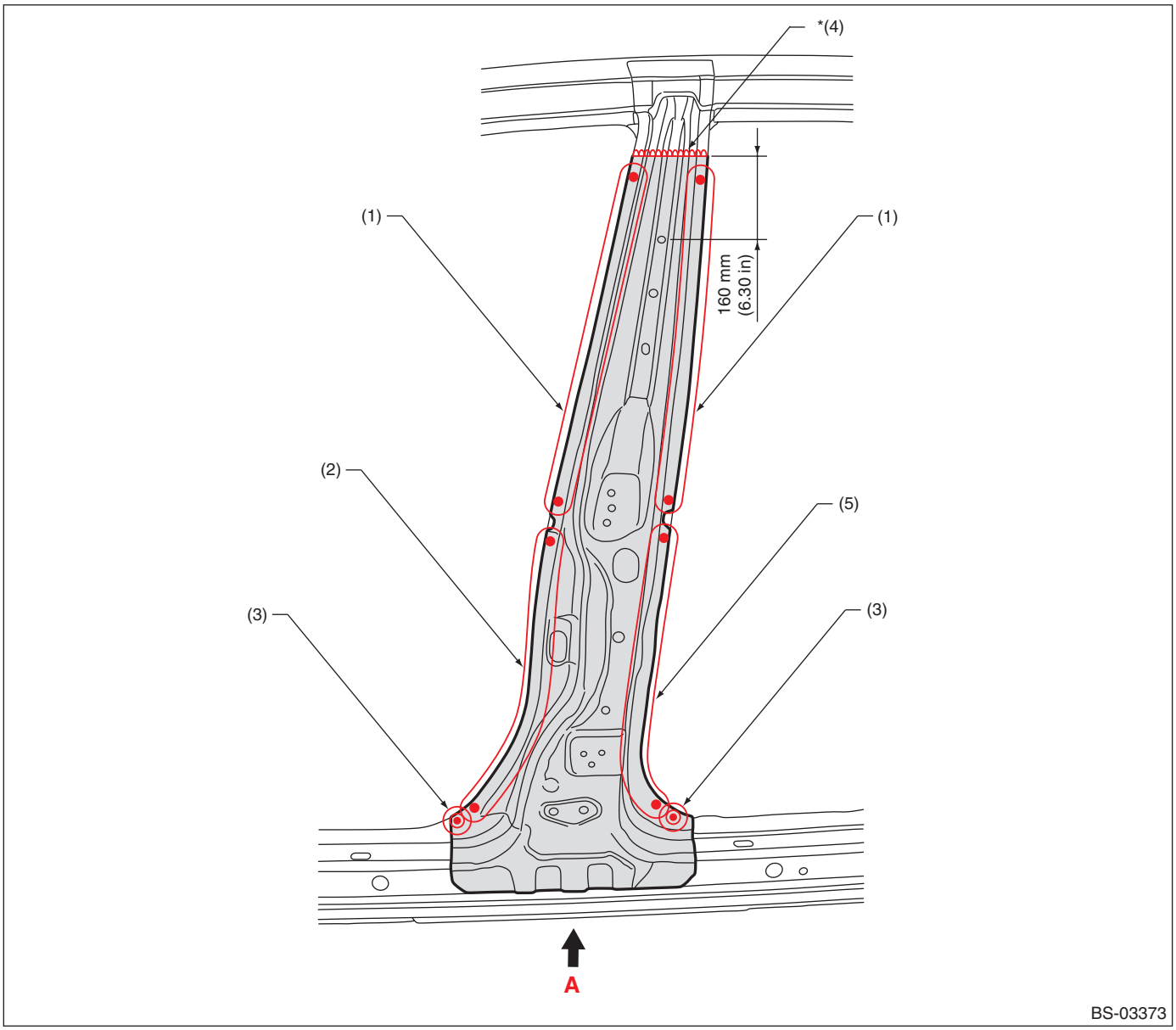
- **Overall view**



(1) 1 point [140 mm (5.51 in)]
(2) 14 points
(3) 3 points
(4) 11 points
(5) 1 point (service)
(6) 1 point
(7) 1 point [275 mm (10.83 in)]
(8) 10 points

For continuous welds marked by *, anticorrosion wax shall be applied thoroughly on the rear.

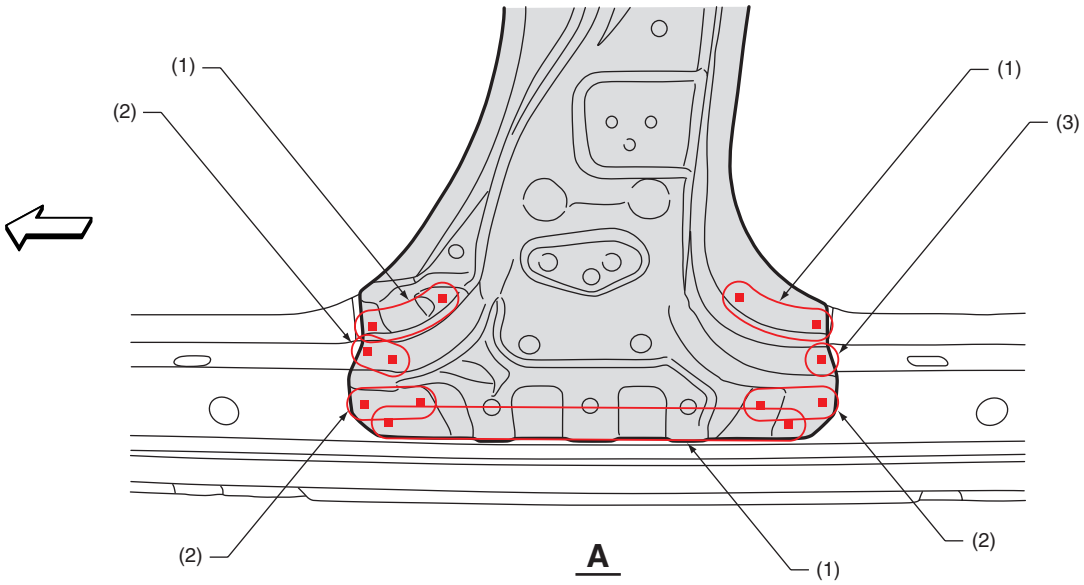
- **Overall view (center pillar outer removal condition)**



(1) 13 points
(2) 17 points
(3) 1 point
(4) 1 point [140 mm (5.51 in)]
(5) 16 points

For continuous welds marked by *, anticorrosion wax shall be applied thoroughly on the rear.

- **Views**



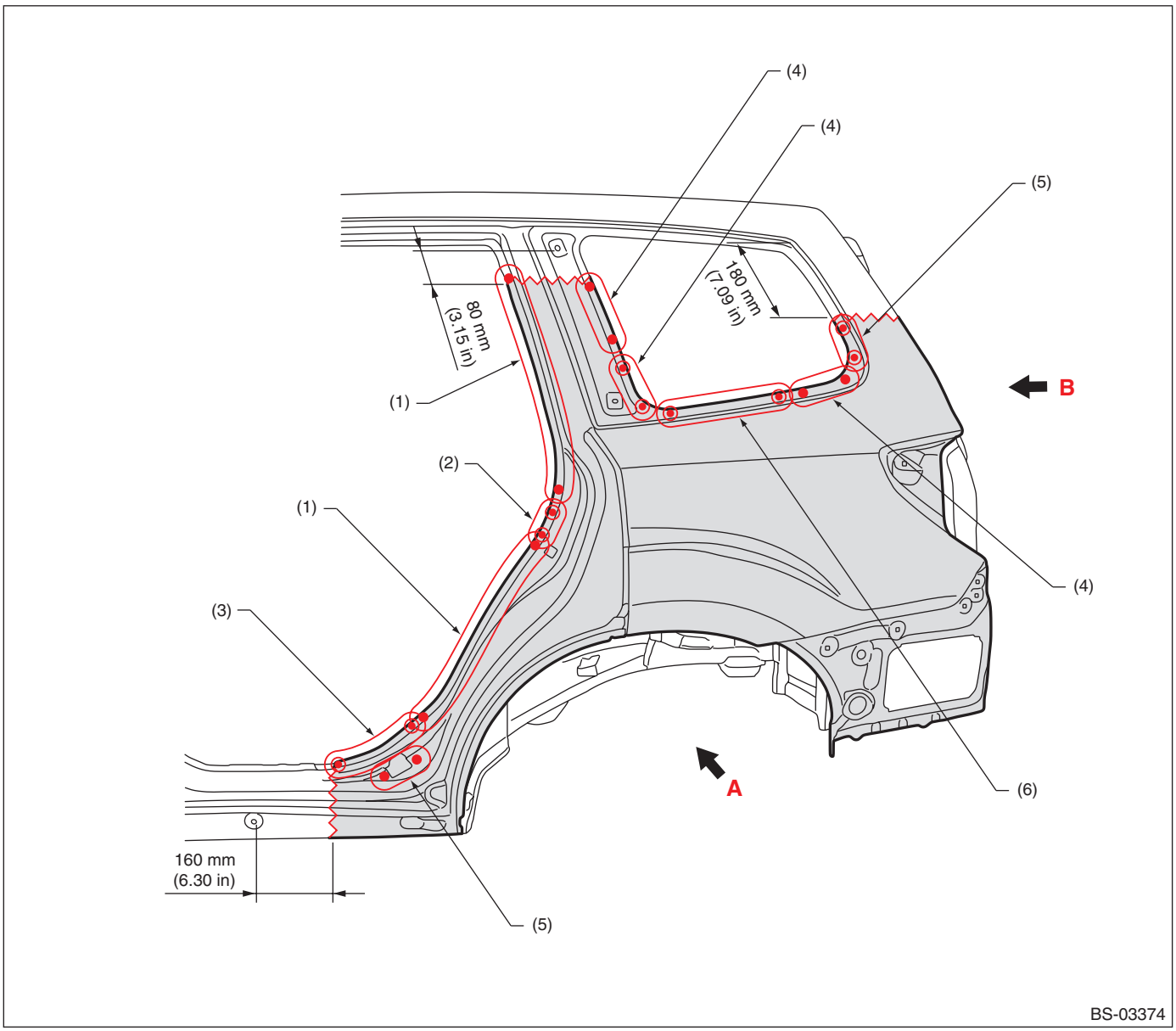
BS-03254

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

21.Rear Quarter (partial replacement)

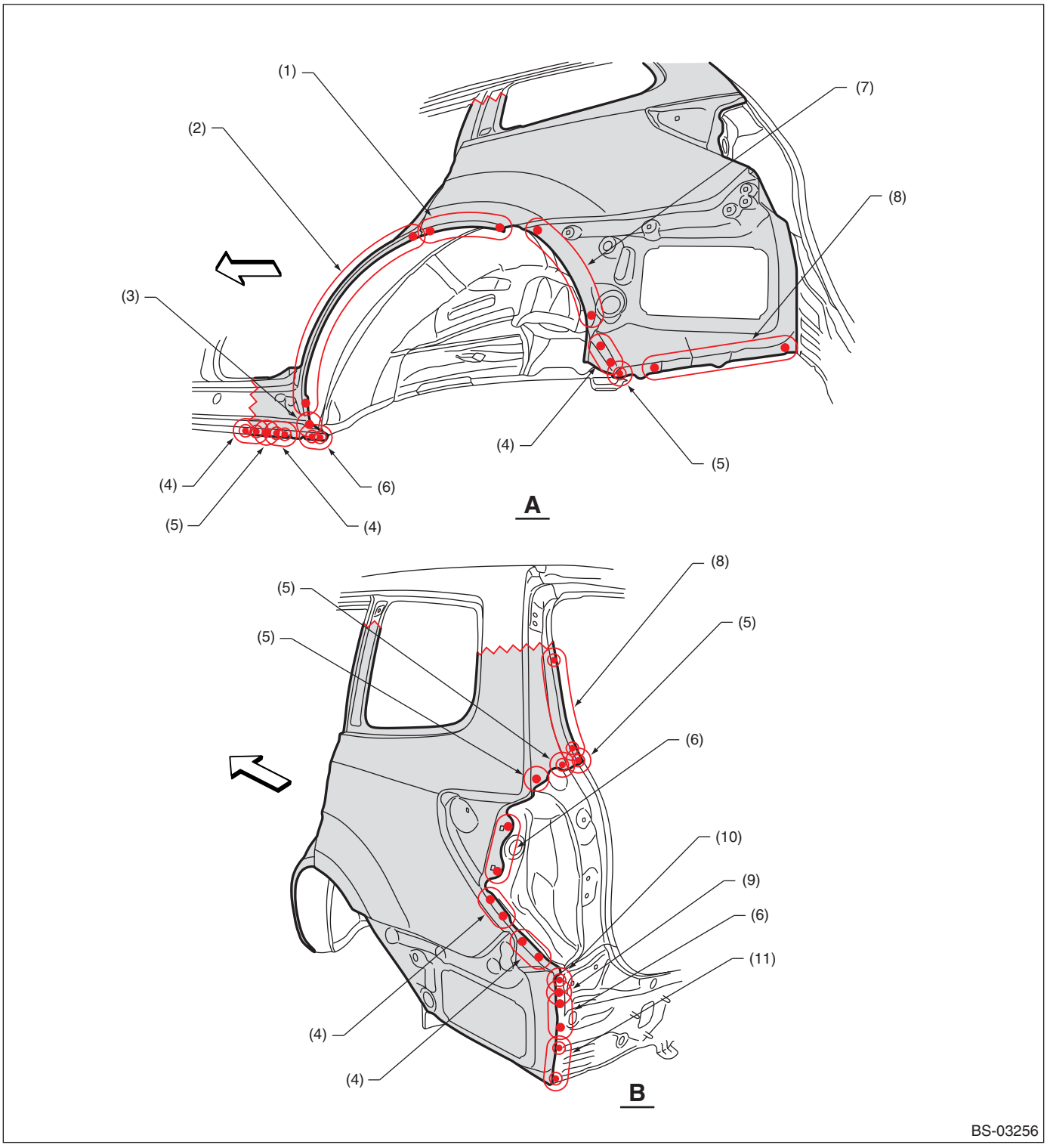
A: REMOVAL

- **Overall view**



(1) 8 points (outside · 1)
(2) 3 points (outside · 2)
(3) 5 points (outside · 1)
(4) 3 points (outside · 1)
(5) 2 points (outside · 1)
(6) 4 points (outside · 1)

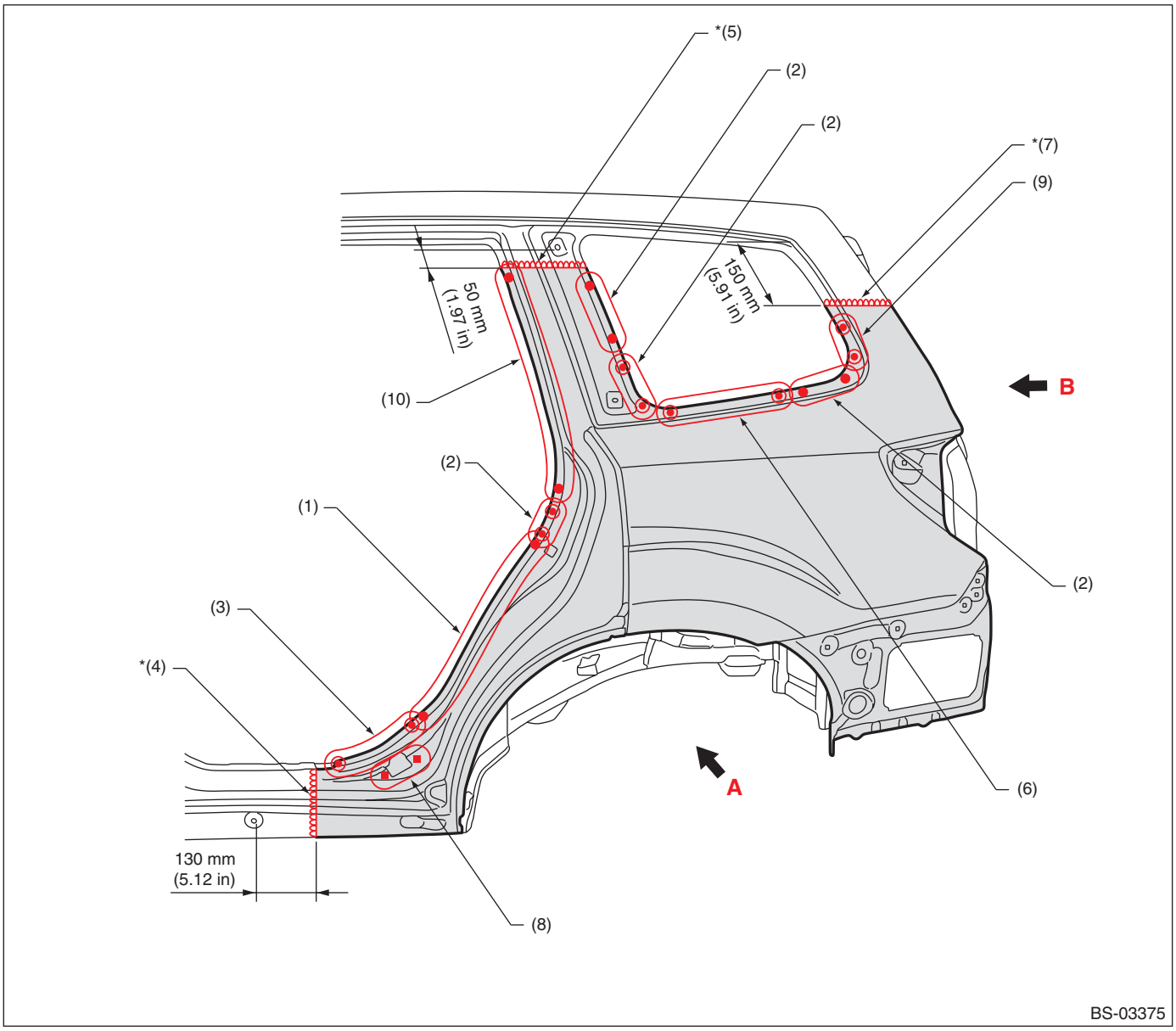
- **Views**



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

B: INSTALLATION

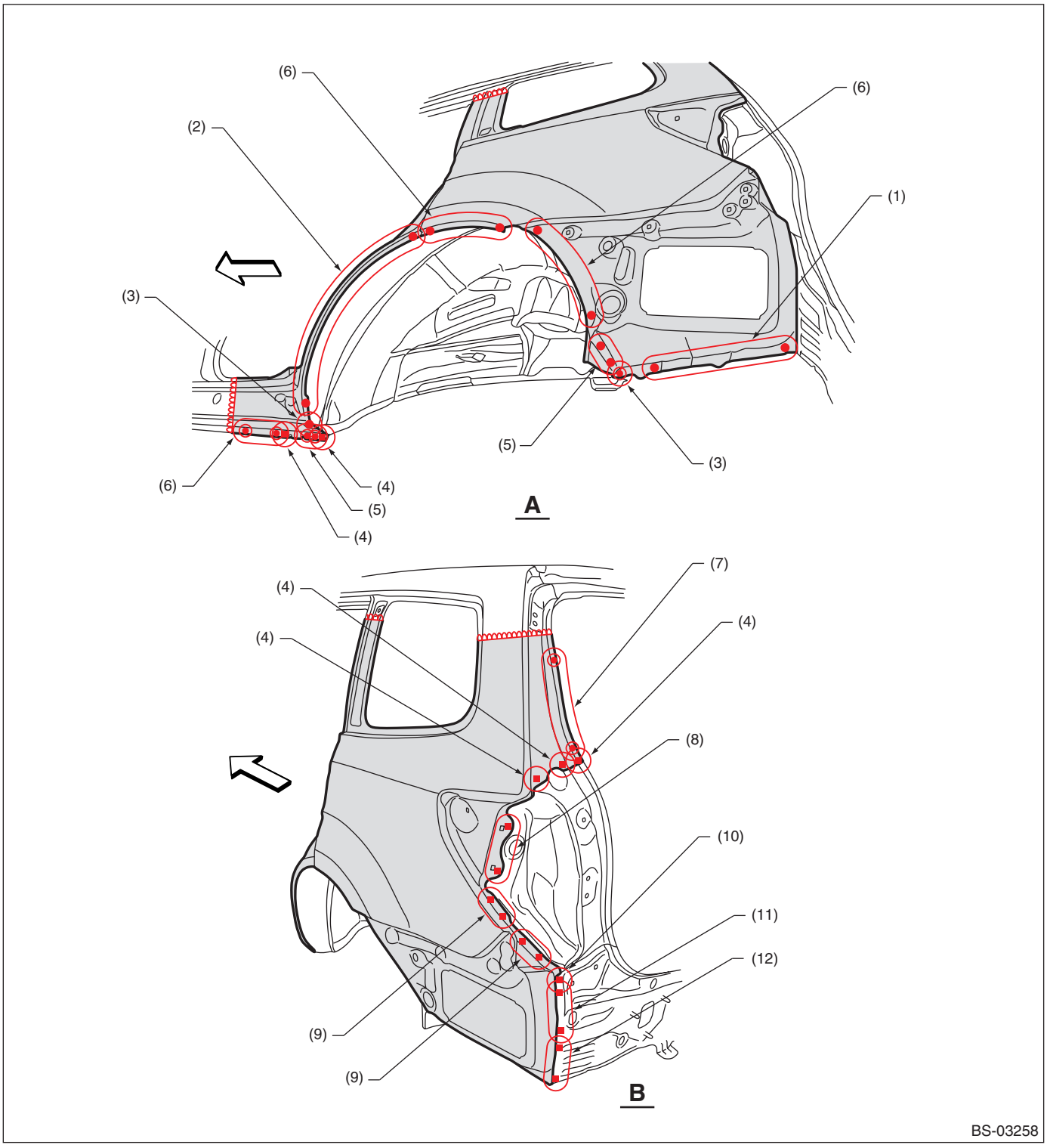
- **Overall view**



(1) 8 points
(2) 3 points
(3) 5 points
(4) 1 point [285 mm (11.22 in)]
(5) 1 point [185 mm (7.28 in)]
(6) 4 points
(7) 1 point [240 mm (9.45 in)]
(8) 2 points (service)
(9) 2 points
(10) 9 points

For continuous welds marked by *, anticorrosion wax shall be applied thoroughly on the rear.

- **Views**

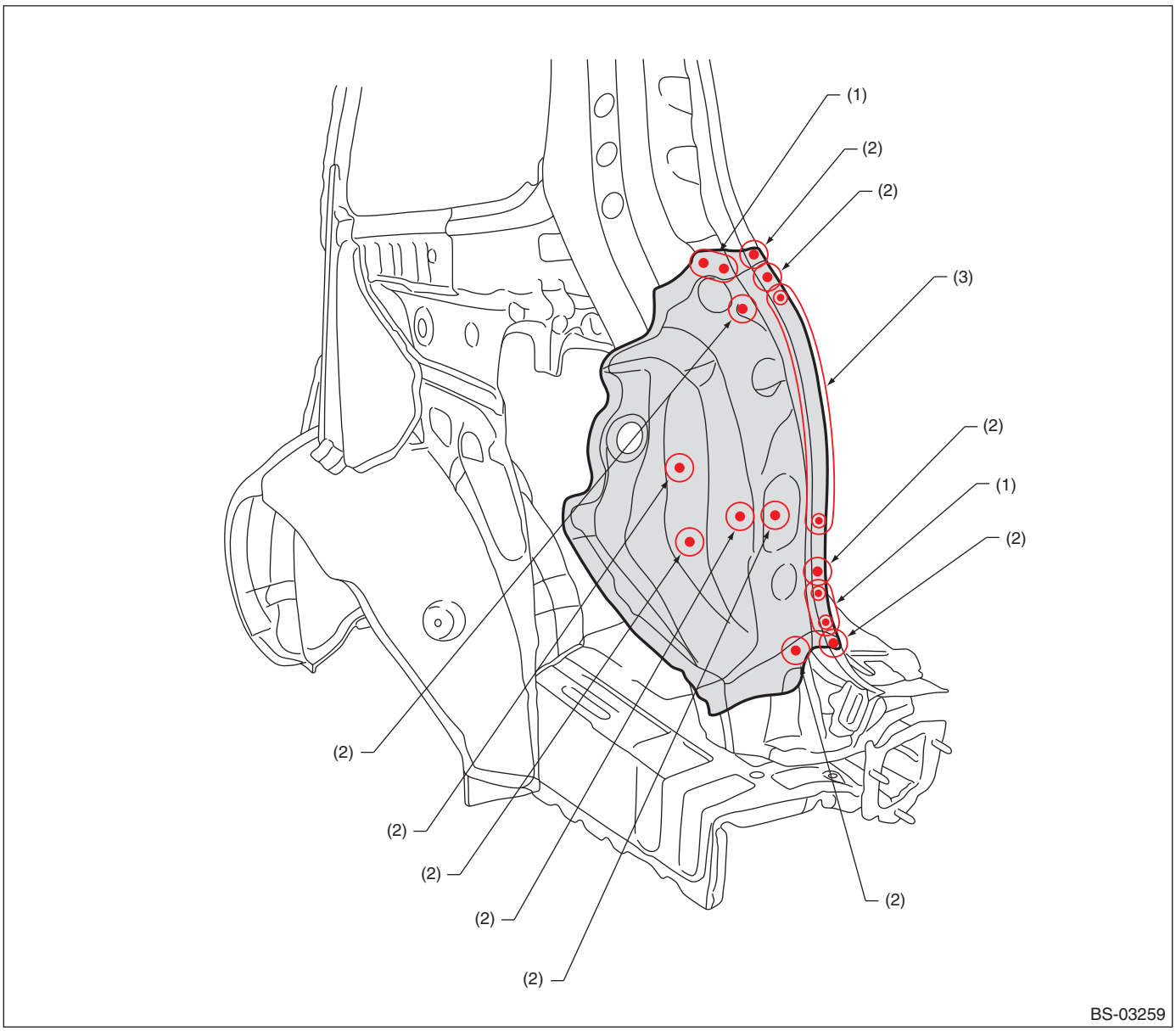


(1) 5 points
(2) 10 points
(3) 1 point
(4) 1 point (service)
(5) 2 points
(6) 4 points
(7) 6 points
(8) 3 points (service)
(9) 2 points (service)
(10) 1 point (service · matching)
(11) 3 points
(12) 3 points (service · matching)

22.Rear Quarter End (total replacement)

A: REMOVAL

- **Rear quarter outer and rear skirt removal condition**

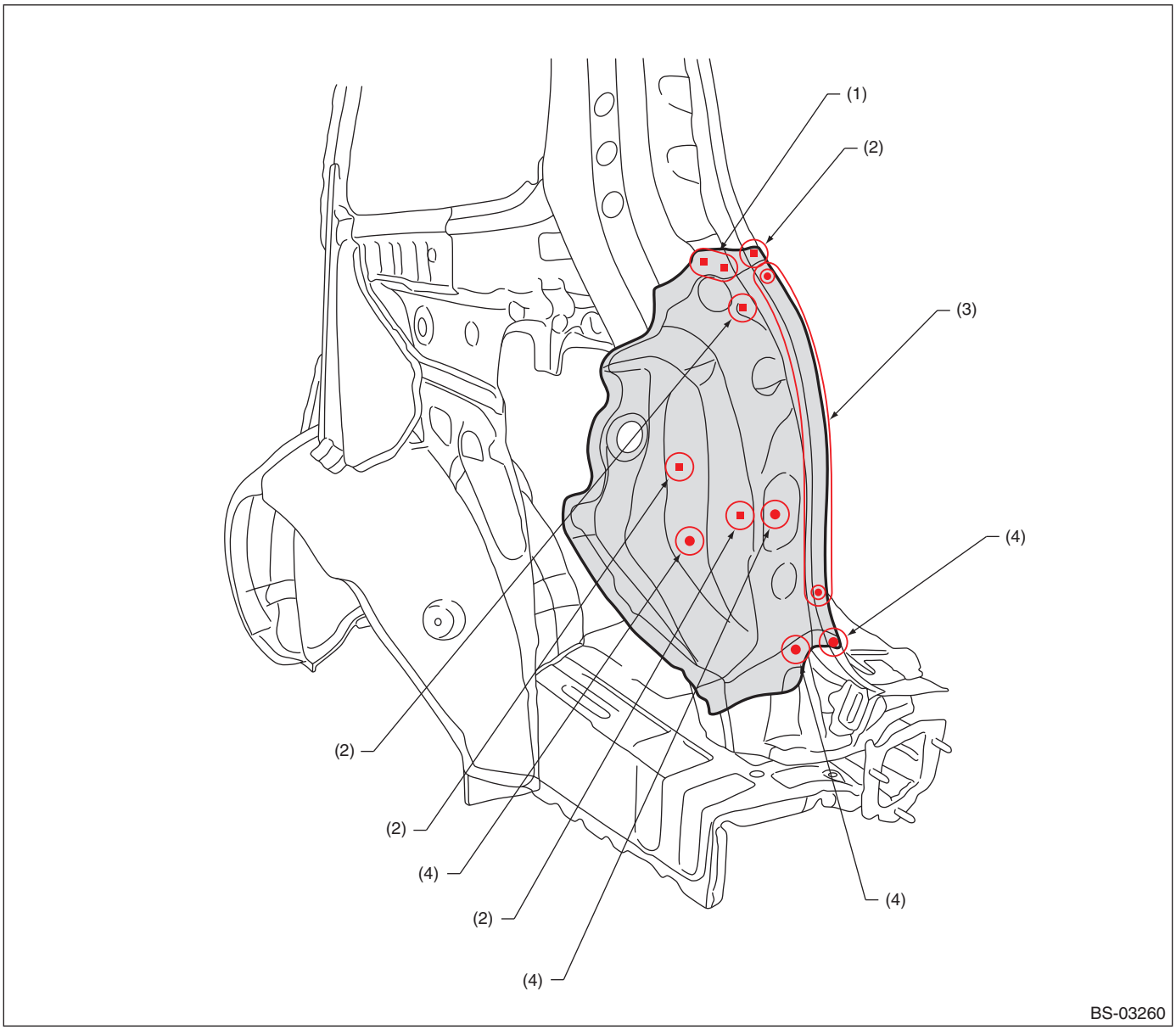


(1) 2 points (outside · 1)

(2) 1 point (outside · 1)

(3) 6 points (outside · 1)

B: INSTALLATION

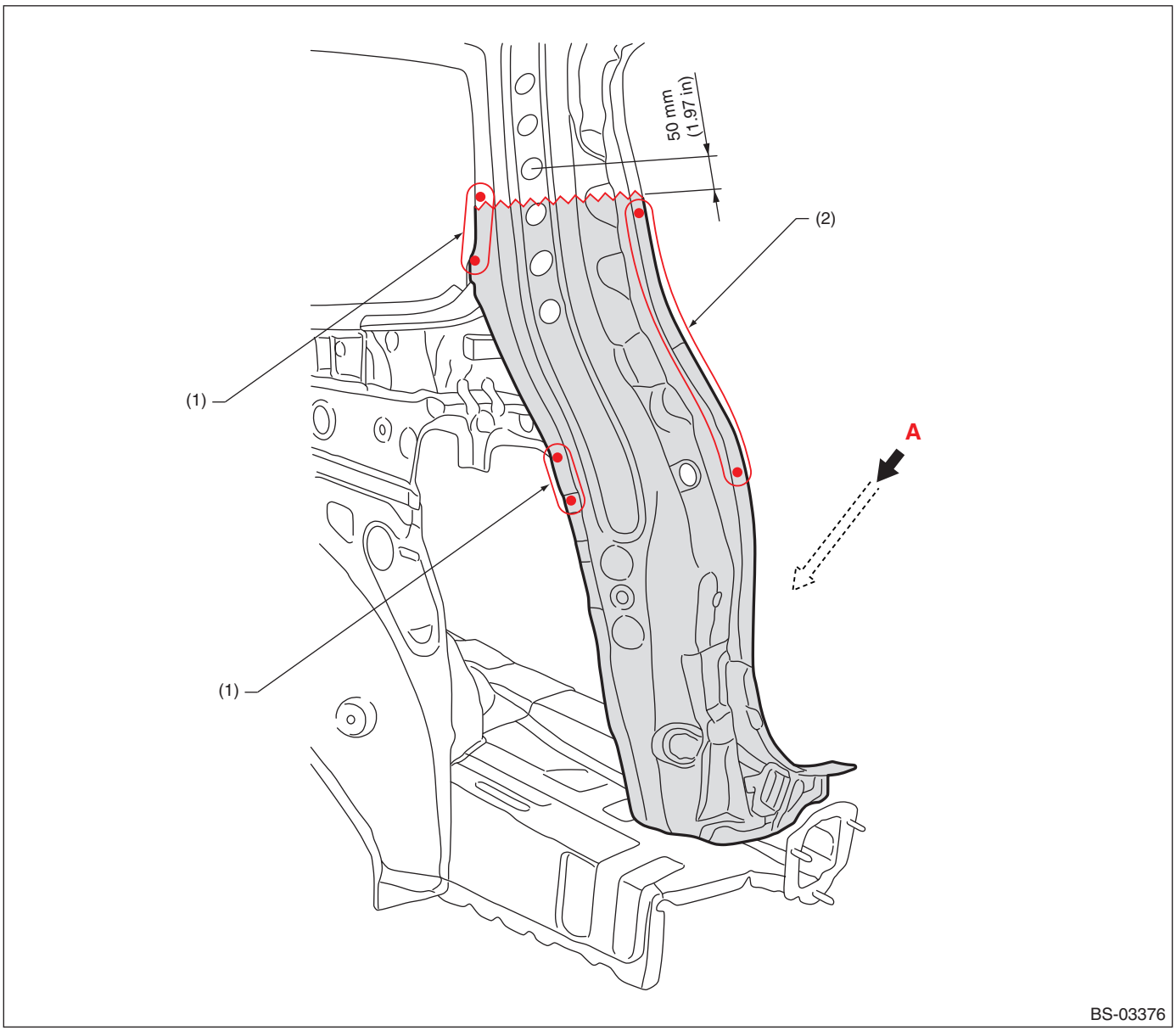


(1) 2 points (service)
(2) 1 point (service)
(3) 10 points
(4) 1 point

23.D-pillar Reinforcement (partial replacement)

A: REMOVAL

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

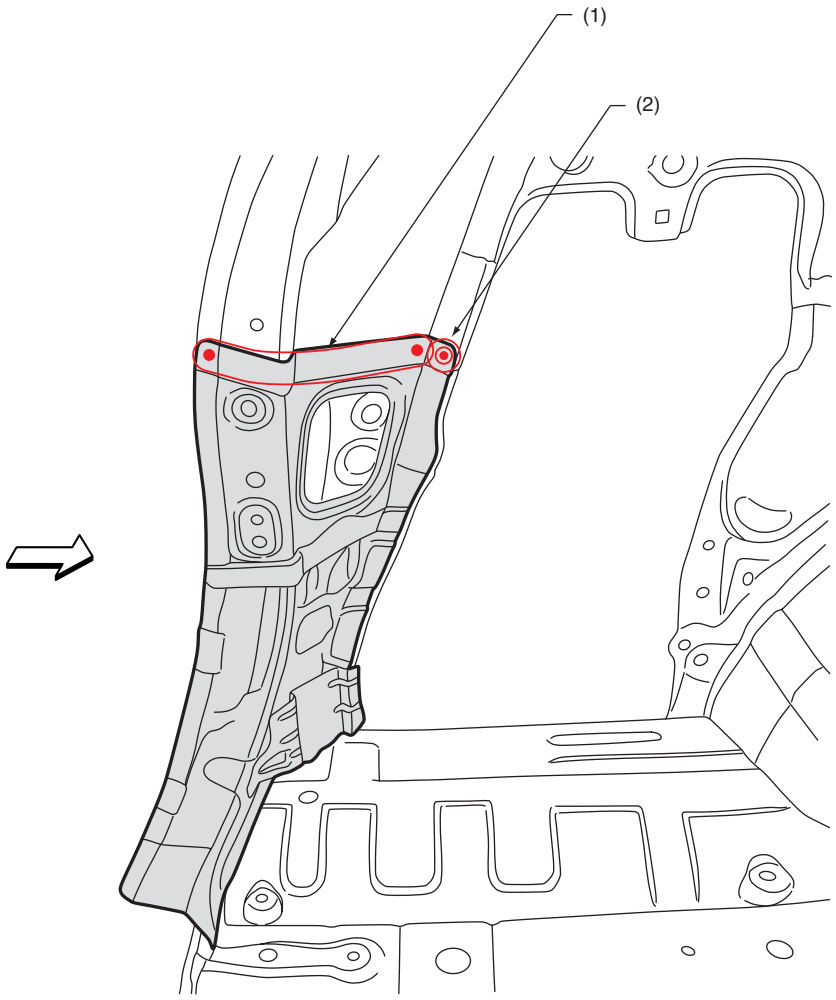


(1) 2 points (outside · 1)

(2) 8 points (outside · 1)

D-pillar Reinforcement (partial replacement)

- **Views**



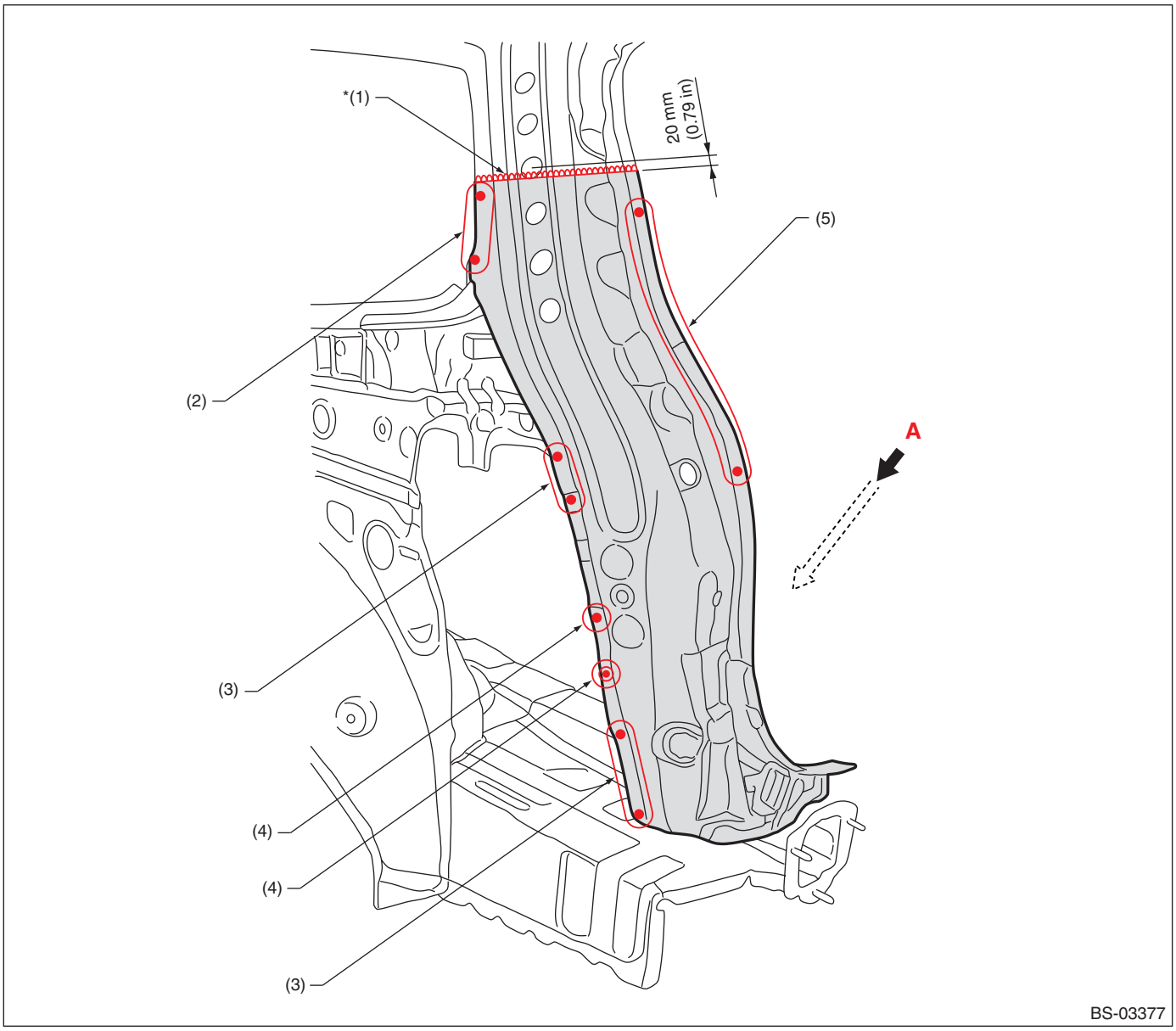
BS-03262

(1) 5 points (inside · 1)

(2) 1 point (outside · 1, inside · 1)

B: INSTALLATION

- **Overall view**

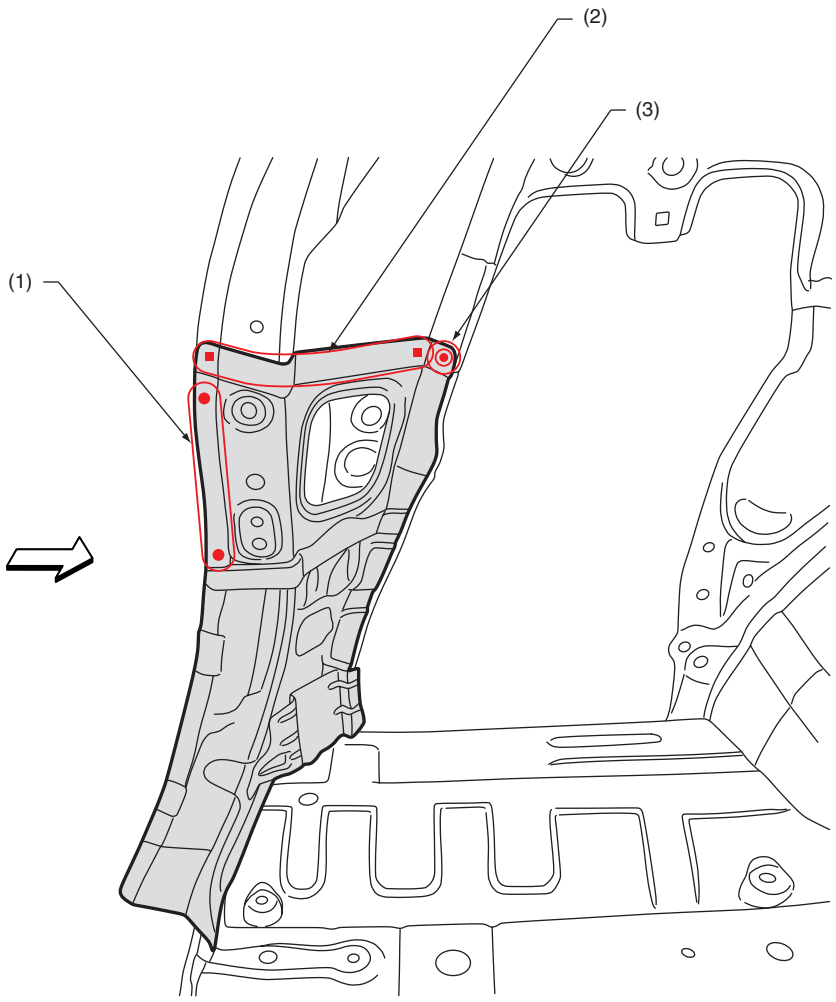


(1) 1 point [225 mm (8.86 in)]
(2) 3 points
(3) 2 points
(4) 1 point
(5) 10 points

For continuous welds marked by *, anticorrosion wax shall be applied thoroughly on the rear.

D-pillar Reinforcement (partial replacement)

- **Views**



(1) 3 points

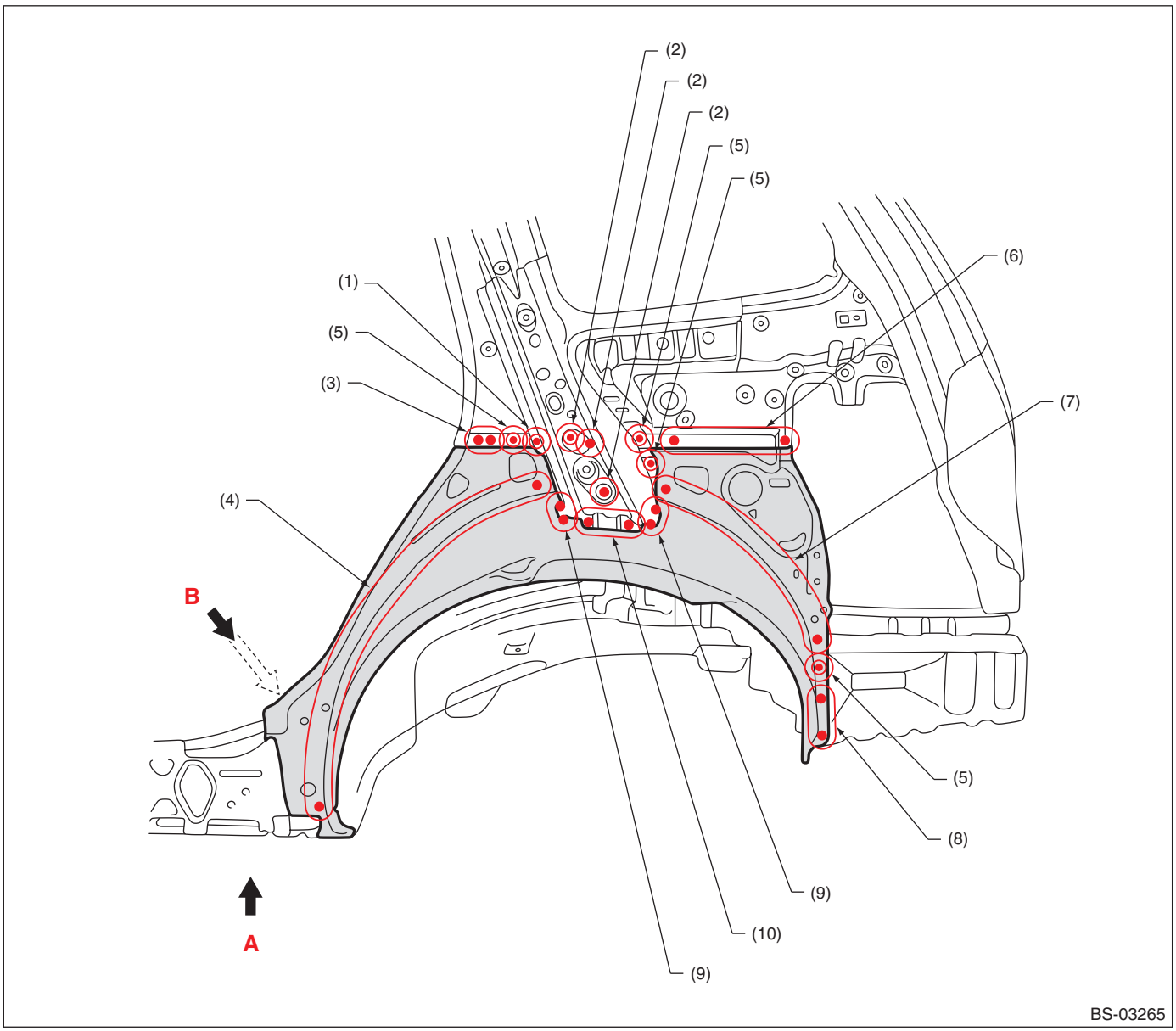
(2) 5 points (service)

(3) 1 point

24.Rear Wheel Apron (partial replacement)

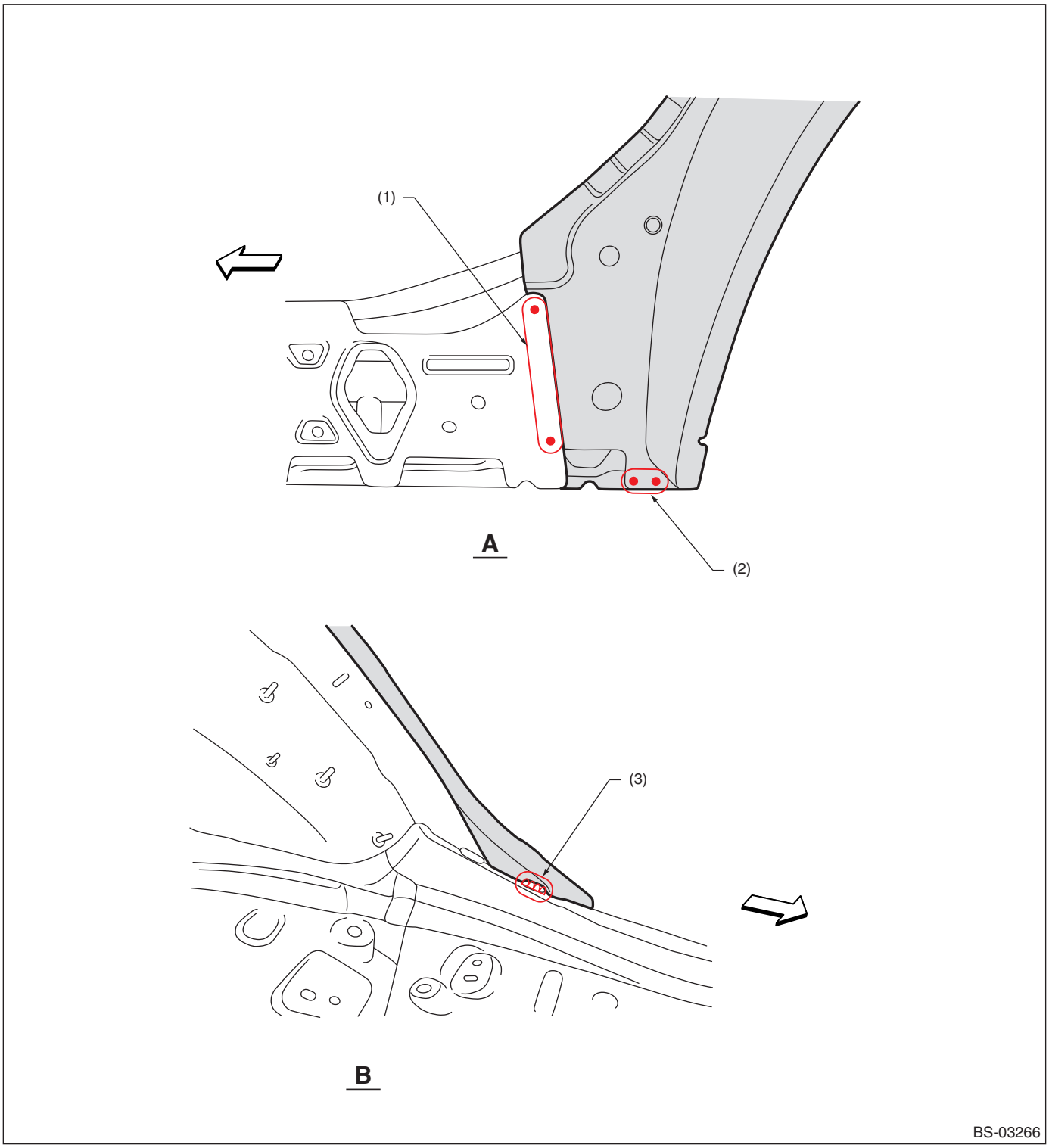
A: REMOVAL

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



(1) 1 point (inside · 1)
(2) 1 point (outside · 1)
(3) 2 points (inside · 1)
(4) 13 points (outside · 1)
(5) 1 point (outside · 2)
(6) 4 points (inside · 1)
(7) 7 points (outside · 1)
(8) 2 points (outside · 1)
(9) 2 points (top · 1)
(10) 3 points (top · 1)

- **Views**



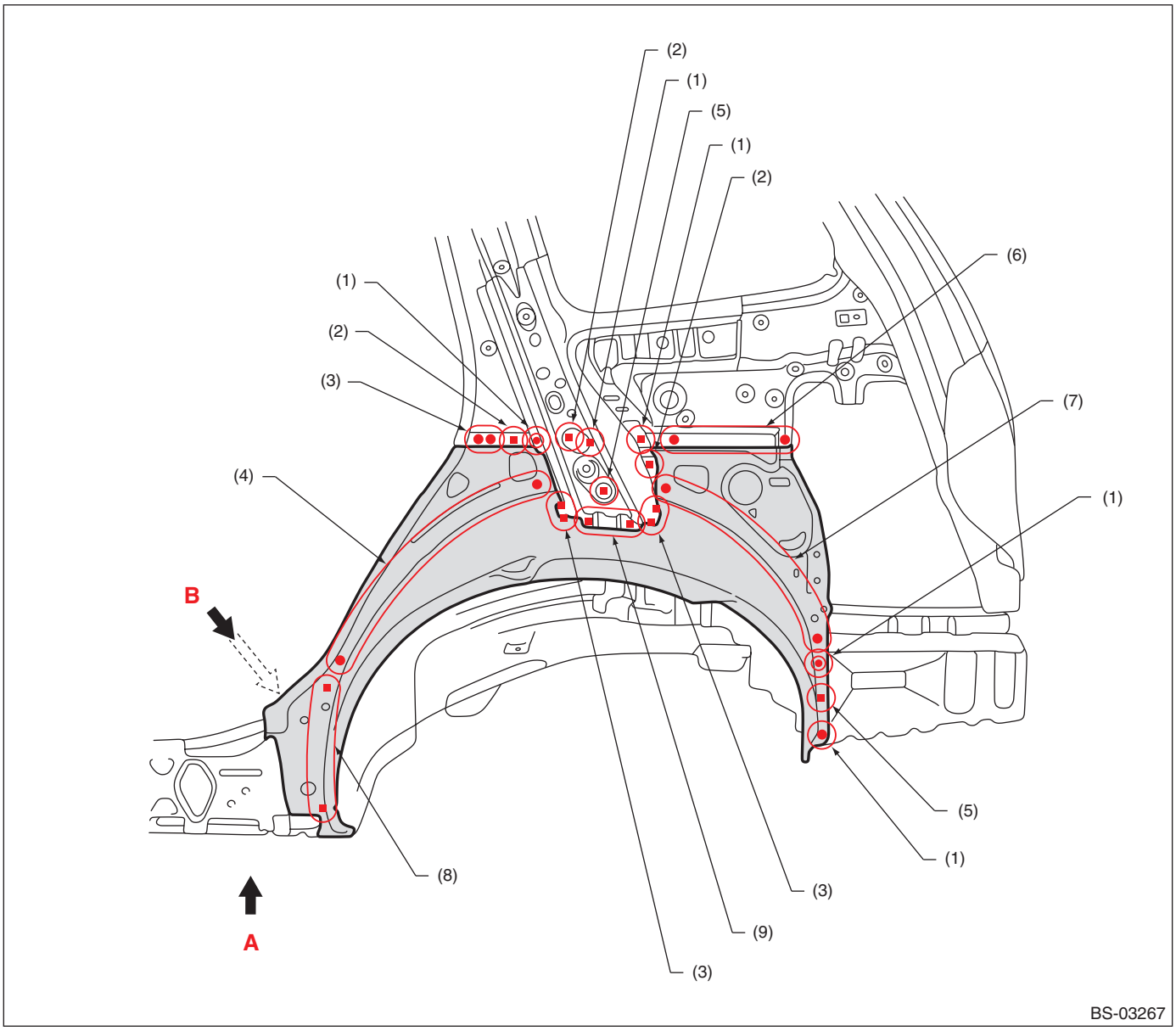
(1) 3 points (outside · 1)

(2) 2 points (outside · 1)

(3) 1 point (inside · 1, belt sander)

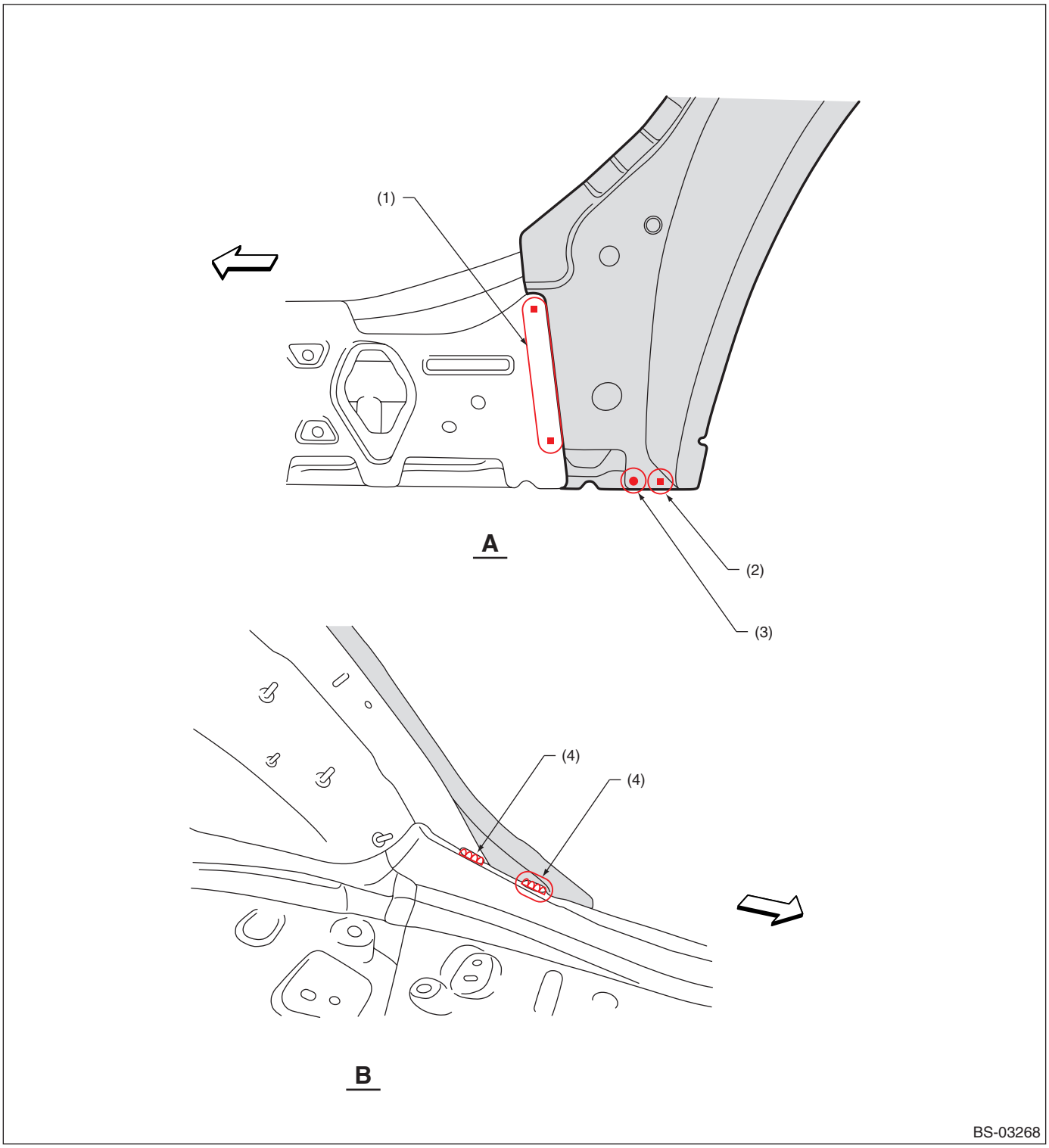
B: INSTALLATION

- **Overall view**



(1)	1 point	(4)	9 points	(7)	7 points
(2)	1 point (service · matching)	(5)	1 point (service)	(8)	4 points (service)
(3)	2 points	(6)	4 points	(9)	3 points

- **Views**

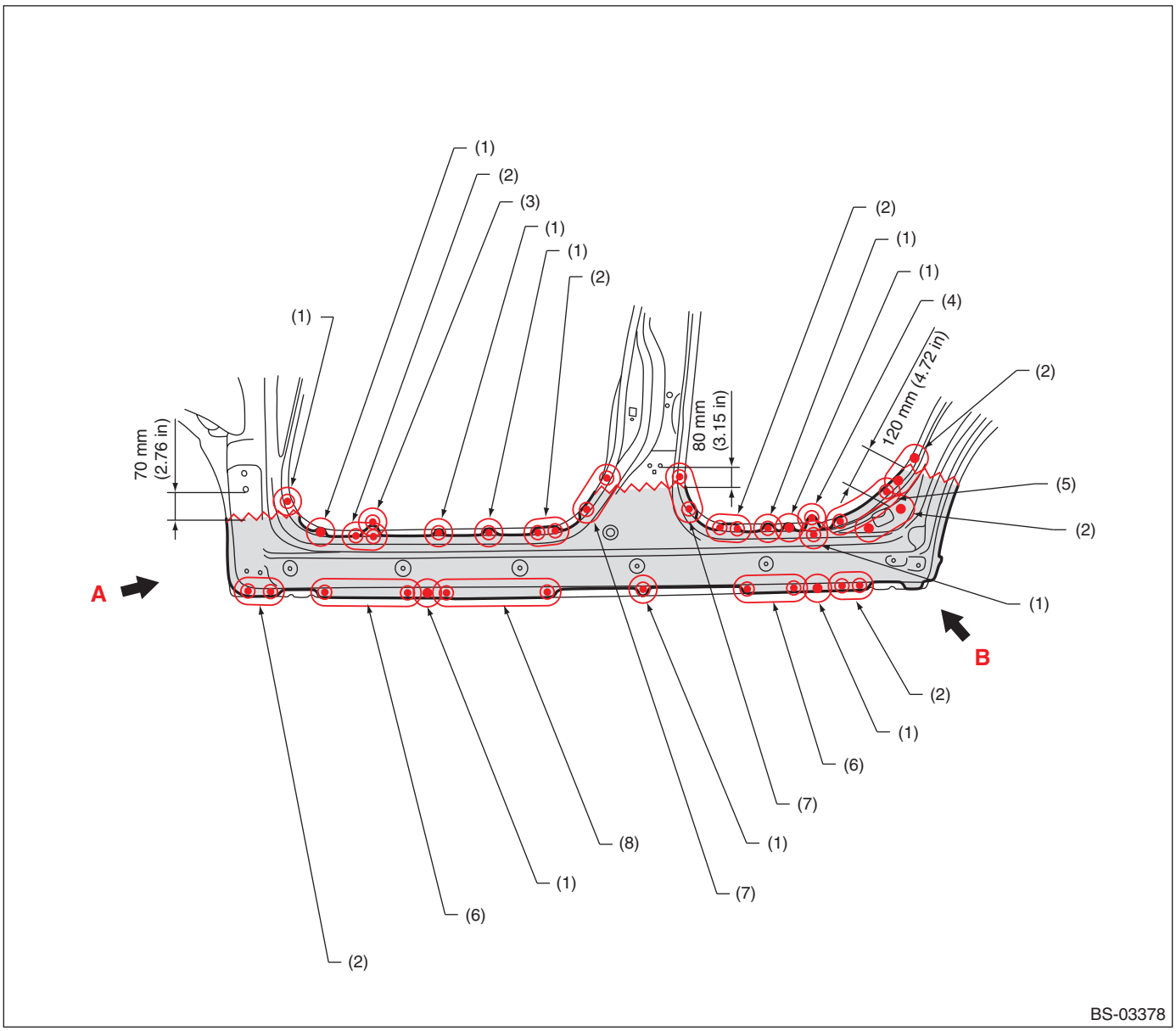


(1) 3 points
(2) 1 point (service)
(3) 1 point
(4) 1 point [20 mm (0.79 in)]

25.Side Sill Outer (partial replacement)

A: REMOVAL

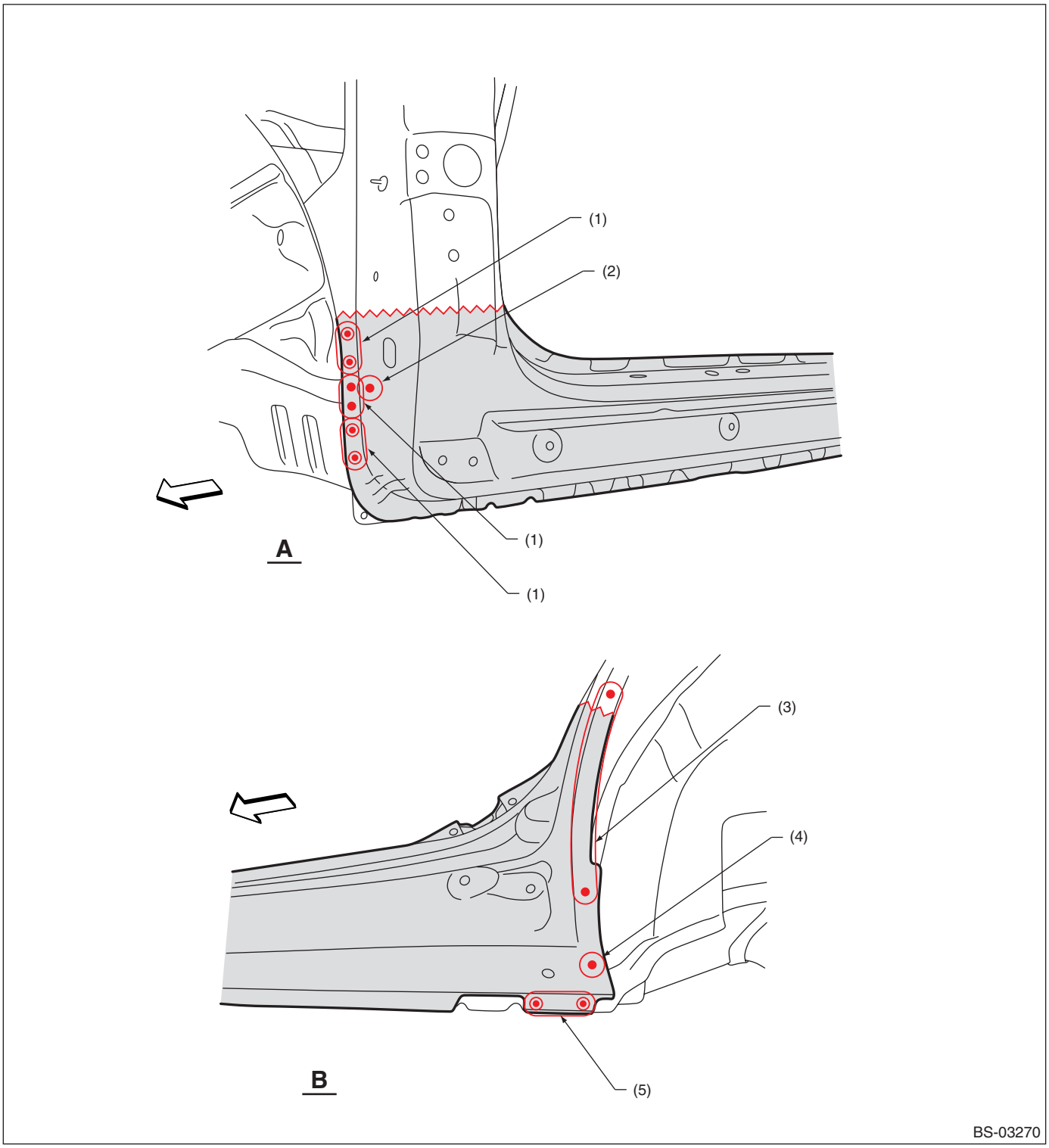
- **Overall view**



(1) 1 point (outside · 1)
(2) 2 points (outside · 1)
(3) 1 point (inside · 1)
(4) 1 point (inside · 1, belt sander)
(5) 5 points (outside · 1)
(6) 8 points (outside · 1)
(7) 3 points (outside · 1)
(8) 6 points (outside · 1)

Side Sill Outer (partial replacement)

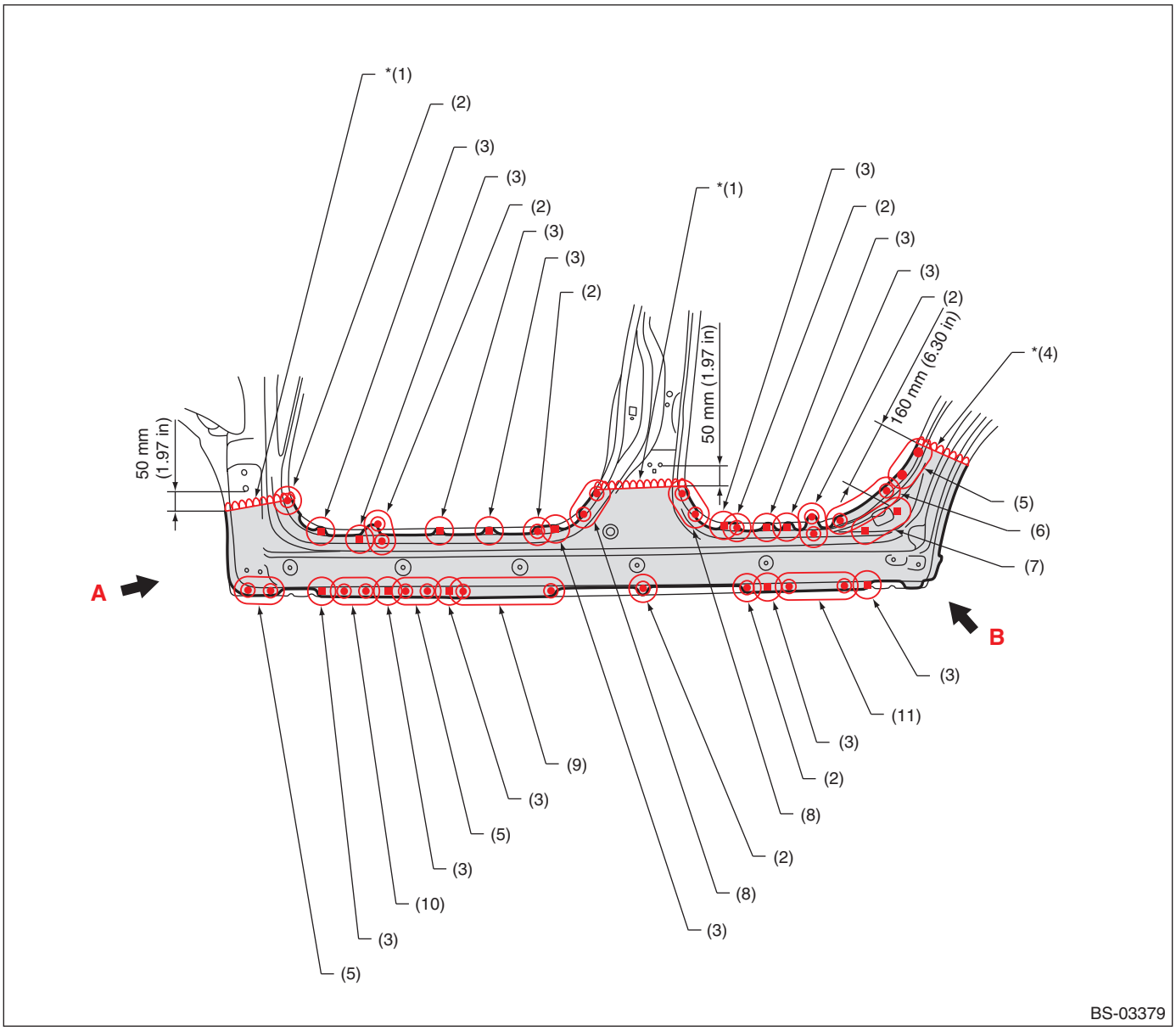
- **Views**



(1) 2 points (outside · 1)
(2) 1 point (outside · 1)
(3) 5 points (outside · 1)
(4) 1 point (bottom · 1)
(5) 3 points (outside · 1)

B: INSTALLATION

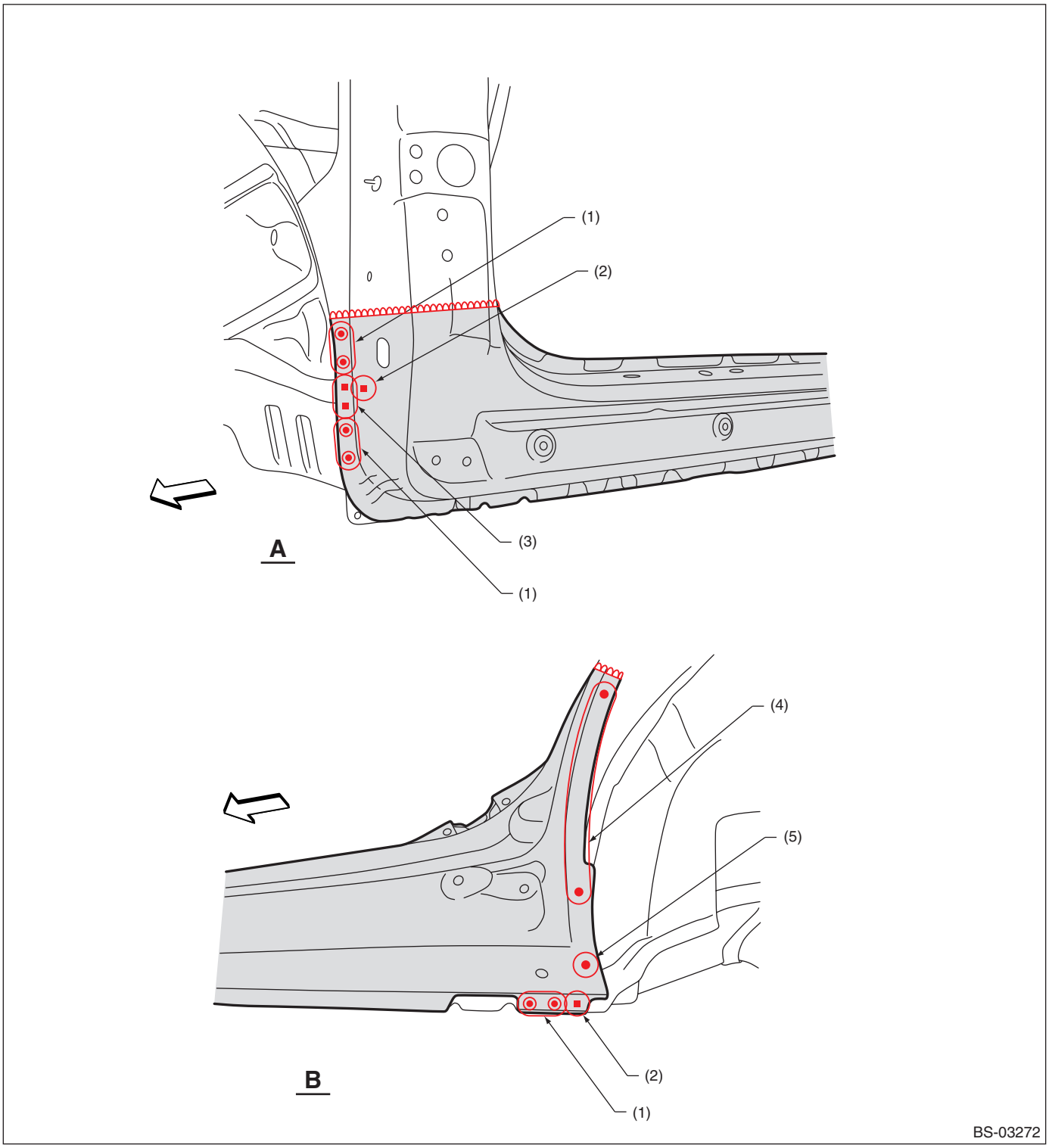
- **Overall view**



(1)	1 point [320 mm (12.60 in)]	(5)	2 points	(9)	6 points
(2)	1 point	(6)	5 points	(10)	4 points
(3)	1 point (service)	(7)	2 points (service)	(11)	7 points
(4)	1 point [210 mm (8.27 in)]	(8)	3 points		

For continuous welds marked by *, anticorrosion wax shall be applied thoroughly on the rear.

- **Views**

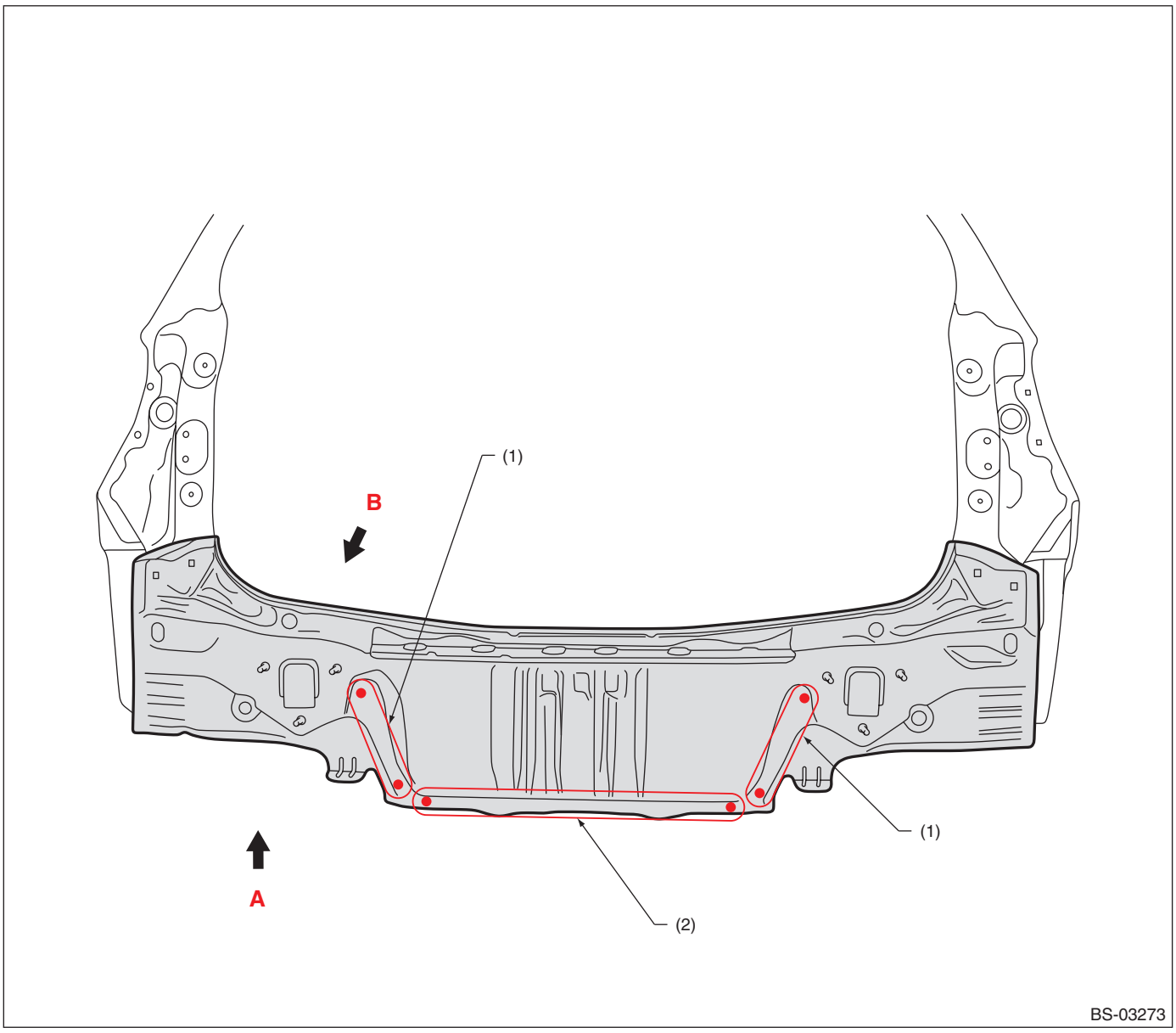


(1) 2 points
(2) 1 point (service)
(3) 2 points (service)
(4) 6 points
(5) 1 point

26.Rear Skirt (total replacement)

A: REMOVAL

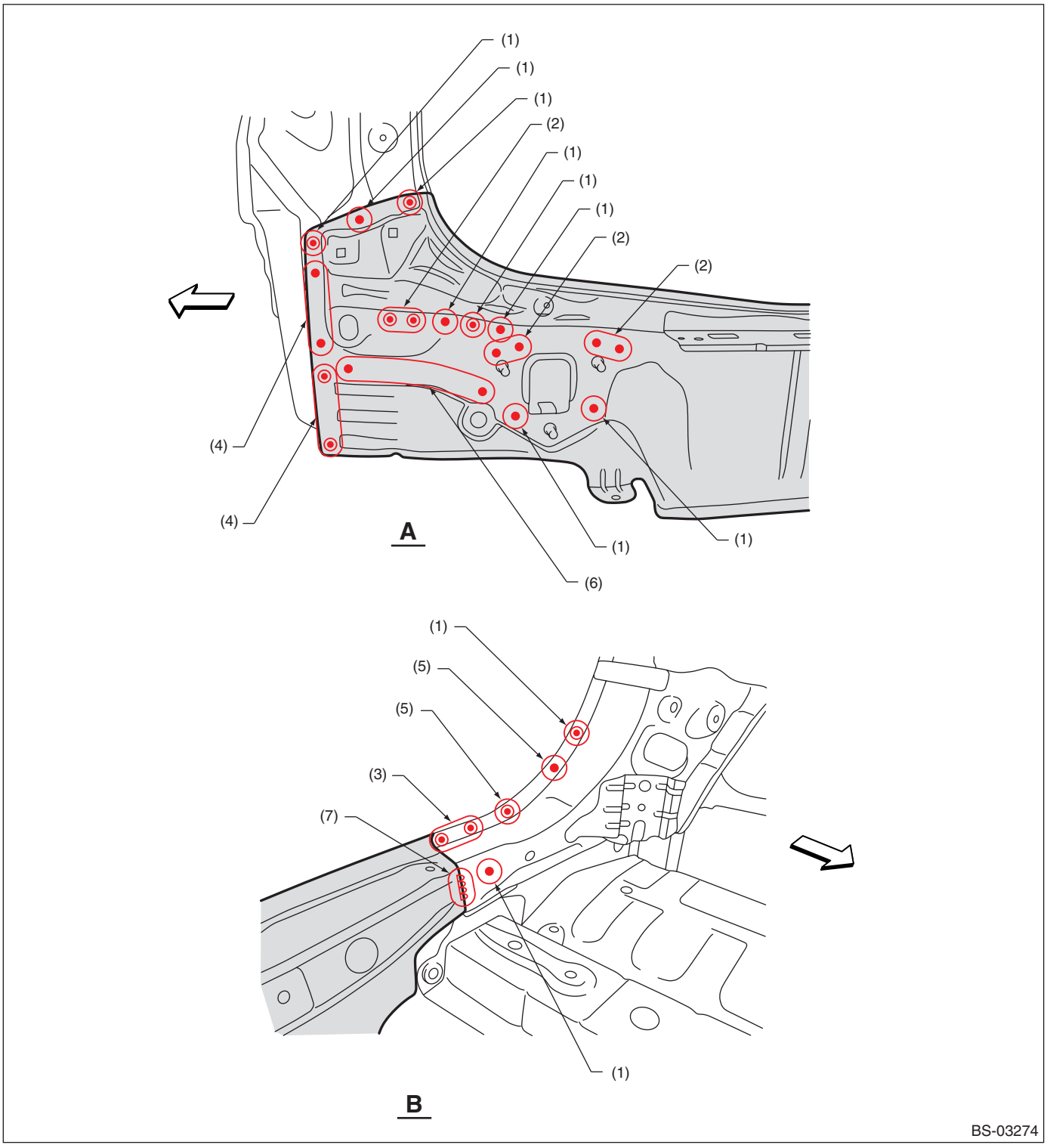
- **Overall view**



(1) 4 points (outside · 1)

(2) 9 points (outside · 1)

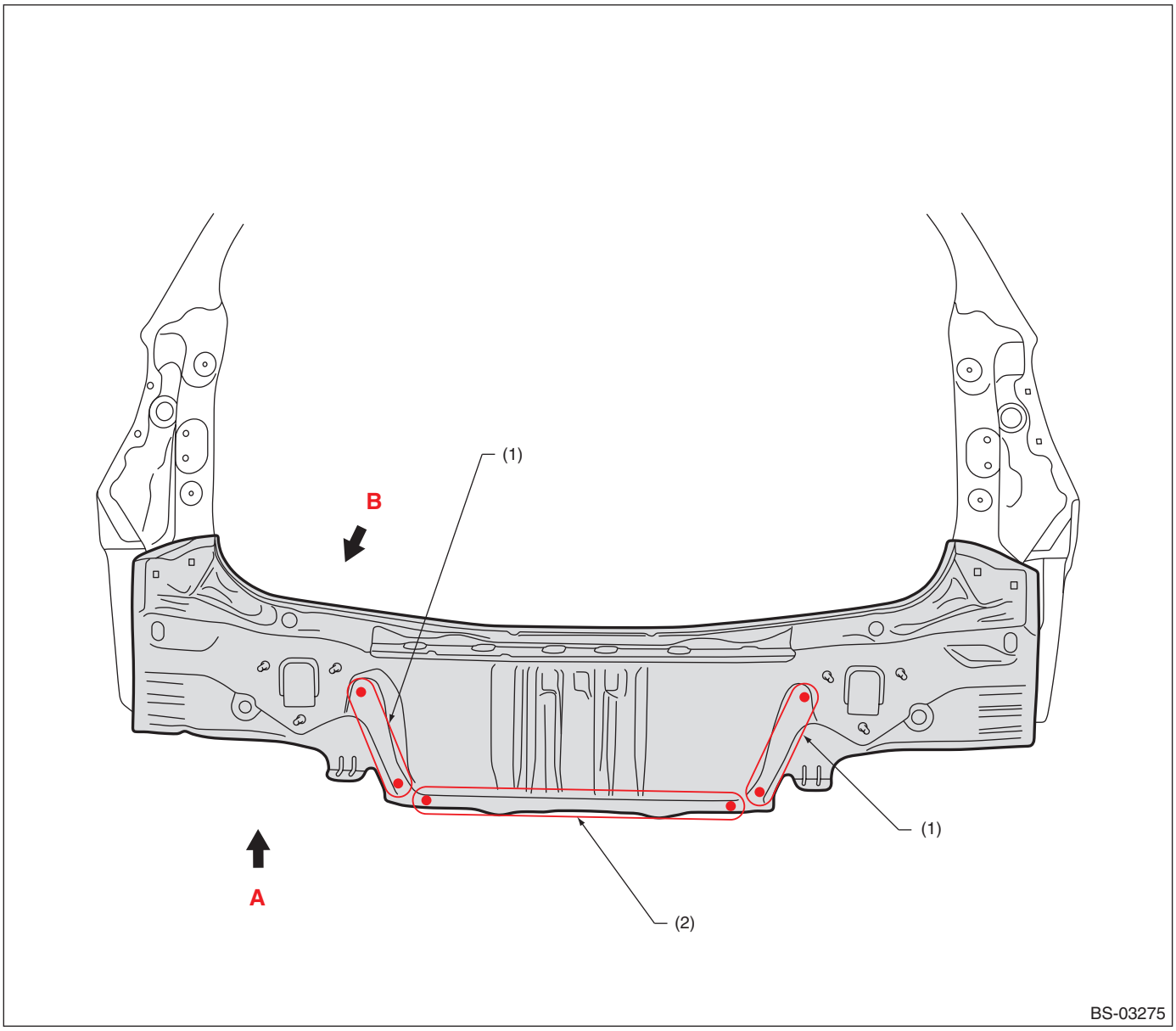
- **Views**



(1) 1 point (outside · 1)
(2) 2 points (outside · 1)
(3) 2 points (bottom · 2)
(4) 3 points (outside · 1)
(5) 1 point (bottom · 1)
(6) 4 points (outside · 1)
(7) 1 point (inside · 1, belt sander)

B: INSTALLATION

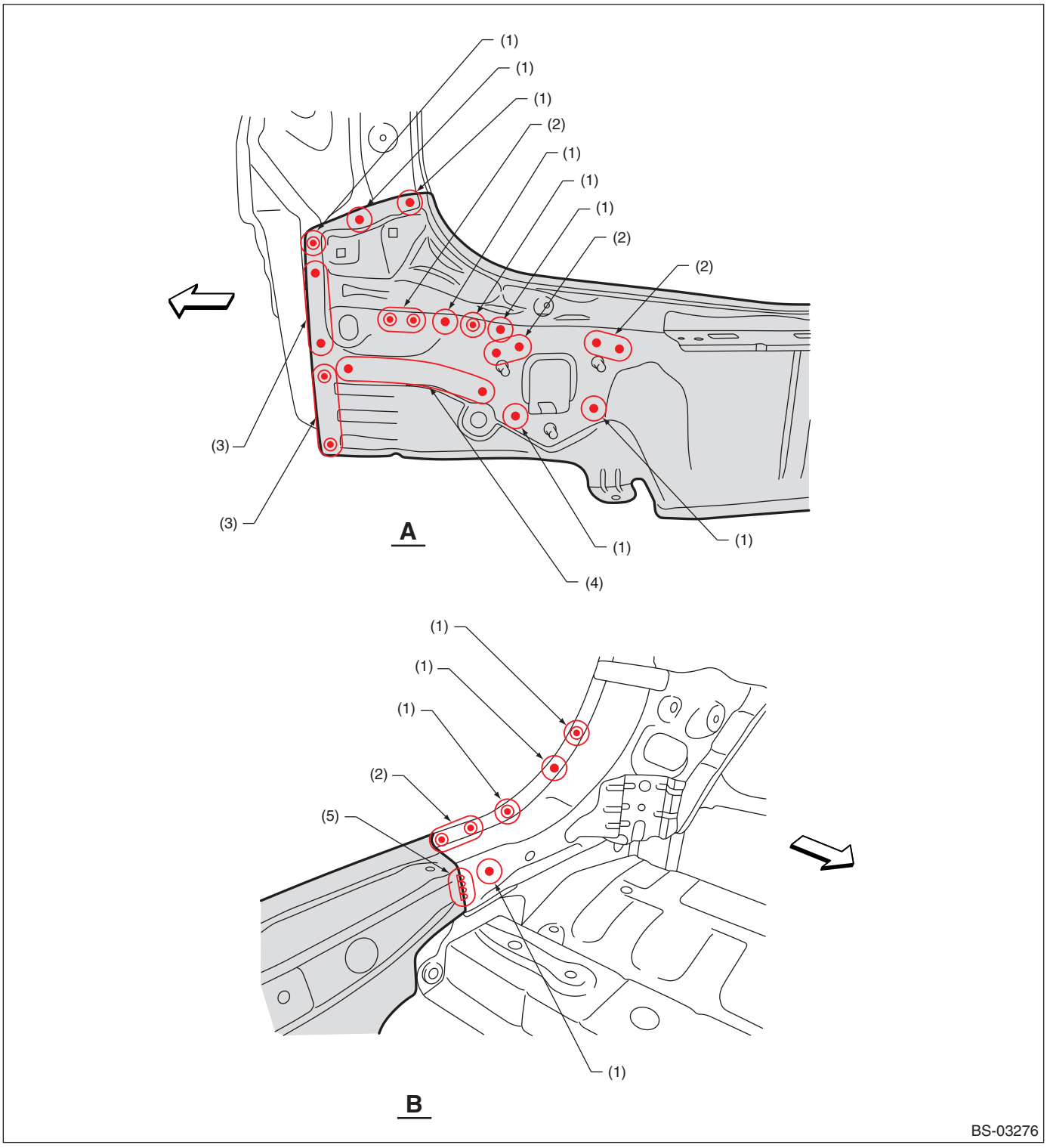
- **Overall view**



(1) 4 points

(2) 9 points

- **Views**

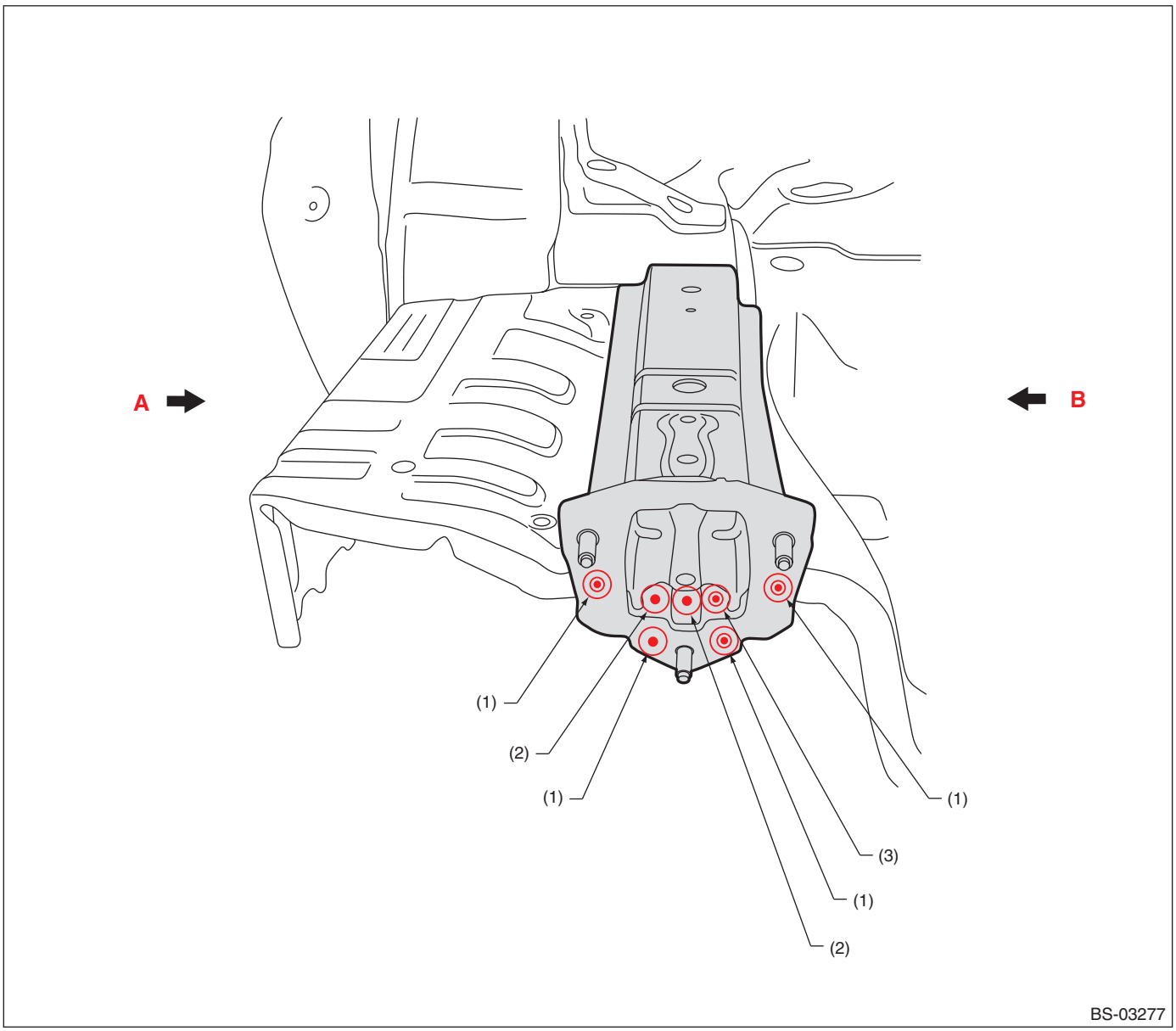


(1) 1 point
(2) 2 points
(3) 3 points
(4) 4 points
(5) 1 point [20 mm (0.79 in)]

27.Rear Side Frame Upper Rear (total replacement)

A: REMOVAL

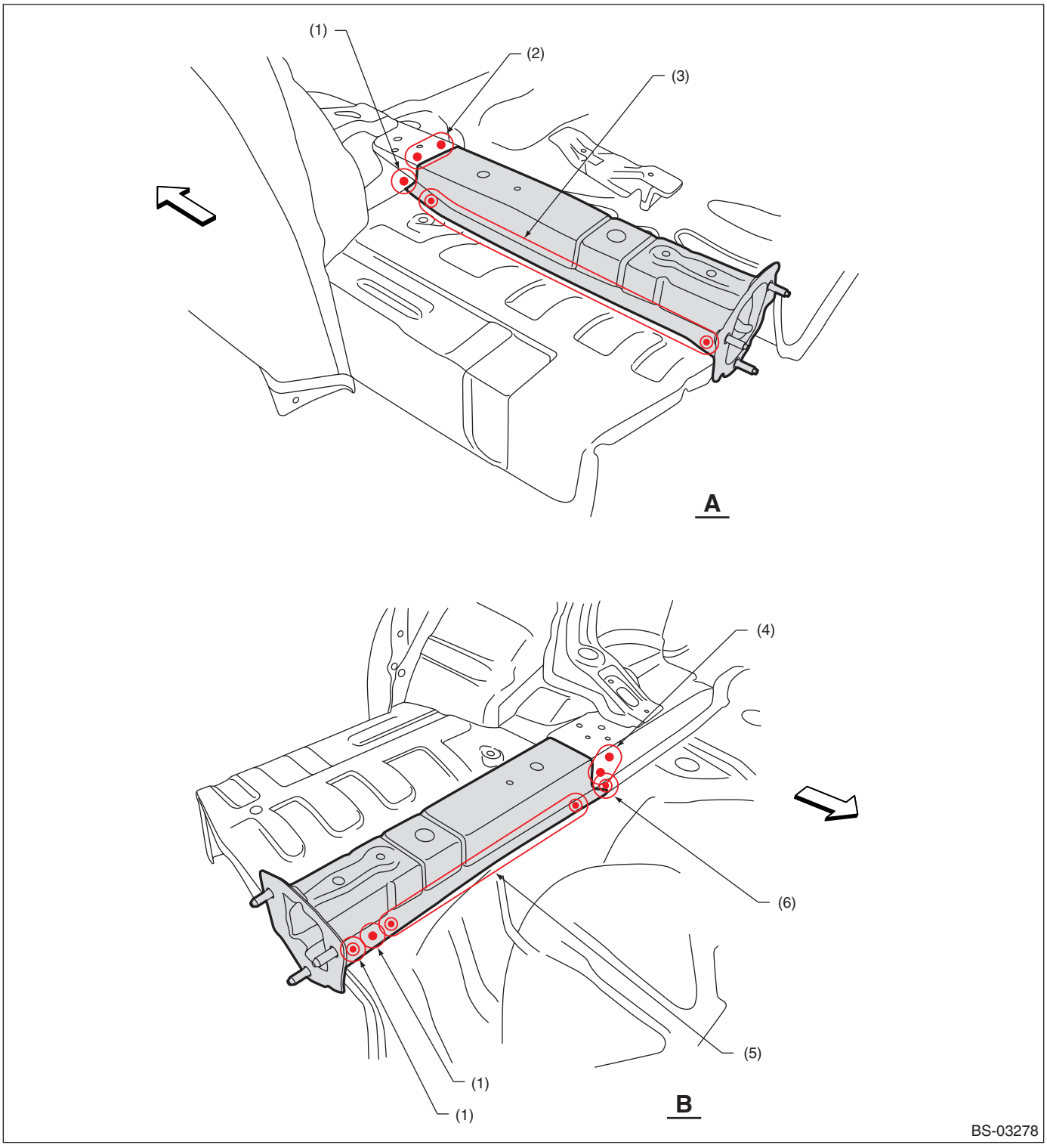
- **Overall view (rear skirt removal condition)**



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

Rear Side Frame Upper Rear (total replacement)

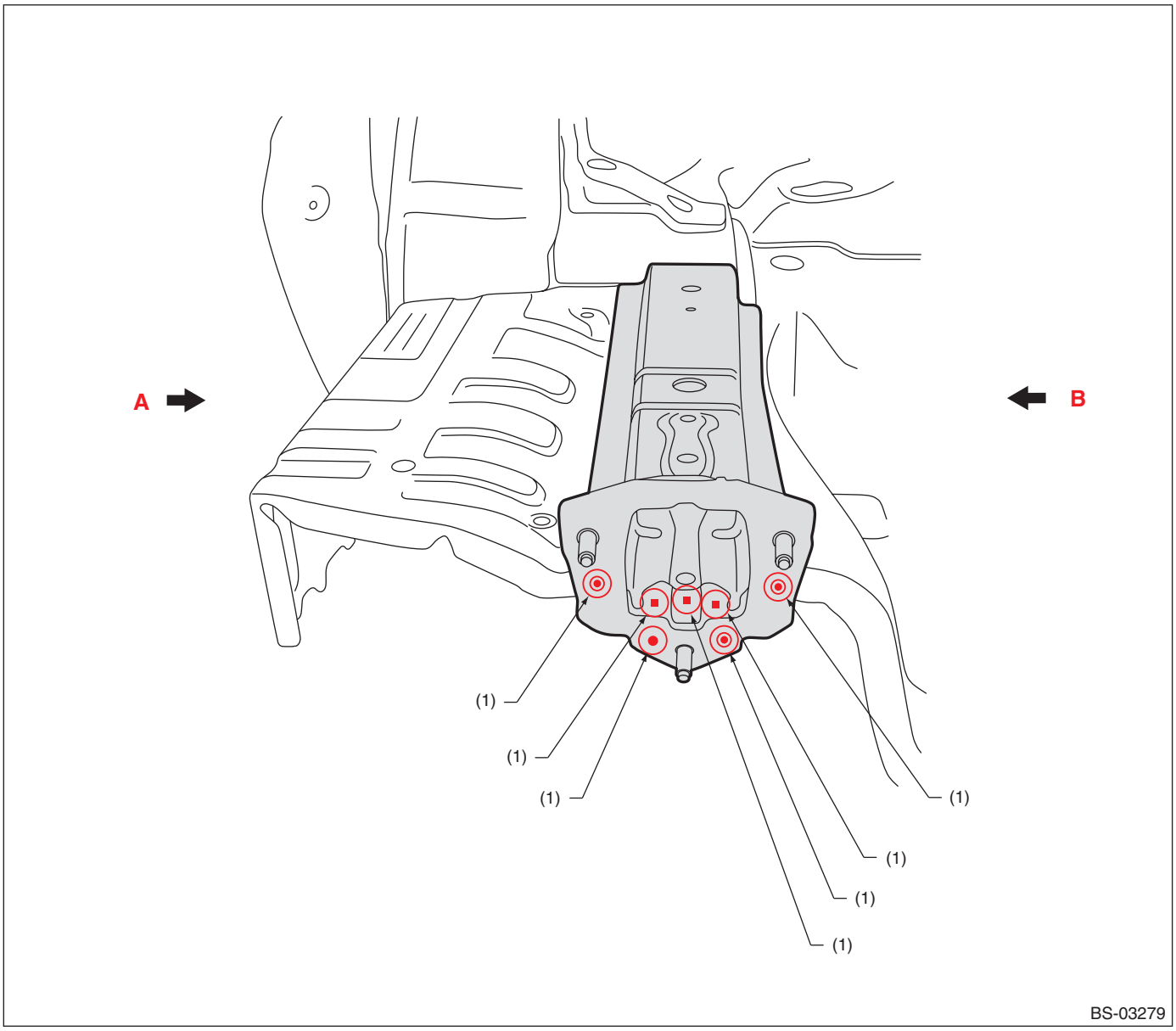
- **Views**



(1) 1 point (top · 1)
(2) 3 points (top · 1)
(3) 9 points (top · 1)
(4) 2 points (inside · 1)
(5) 8 points (top · 1)
(6) 1 point (top · 2)

B: INSTALLATION

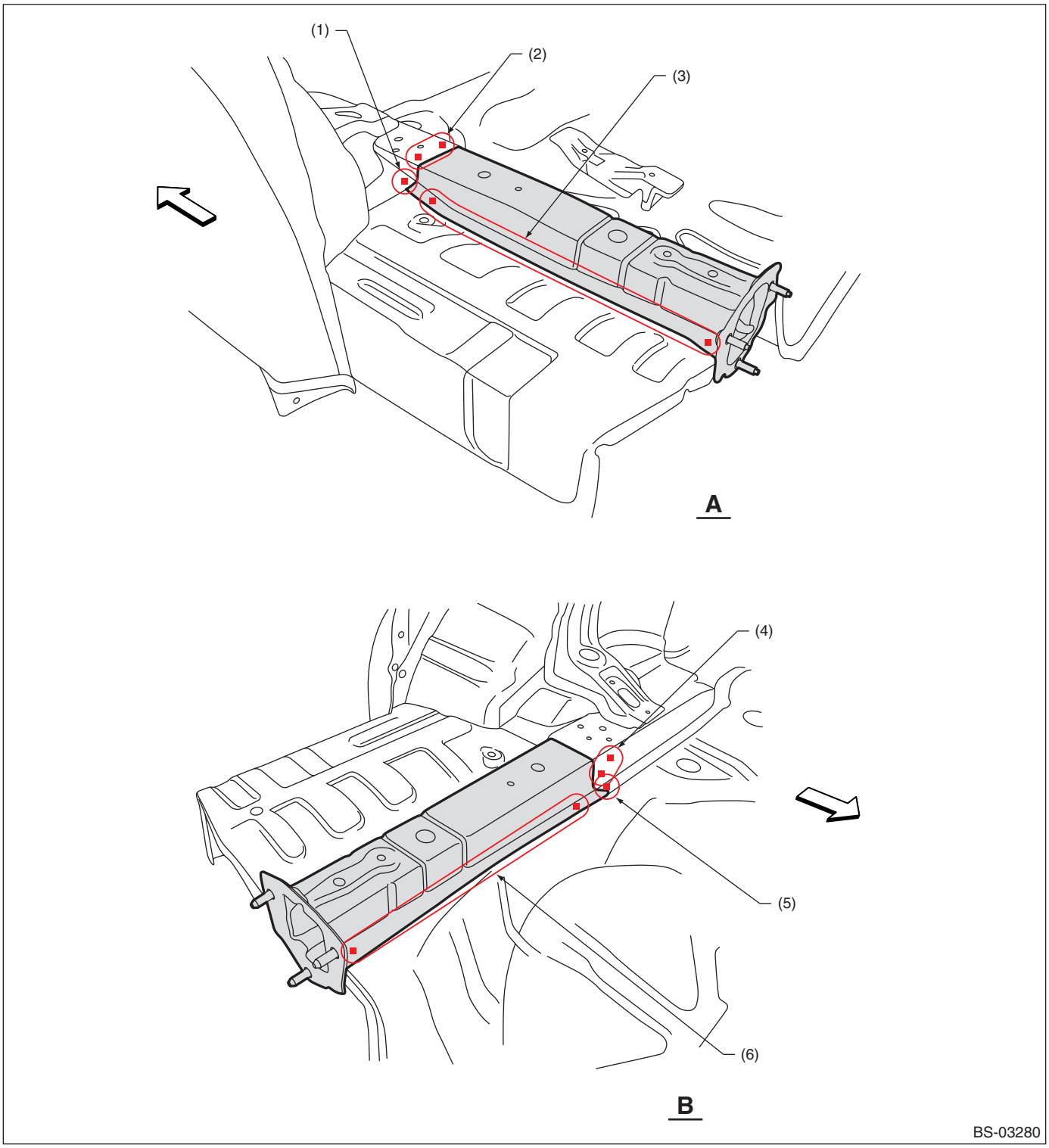
- **Overall view**



(1) 1 point

Rear Side Frame Upper Rear (total replacement)

- **Views**

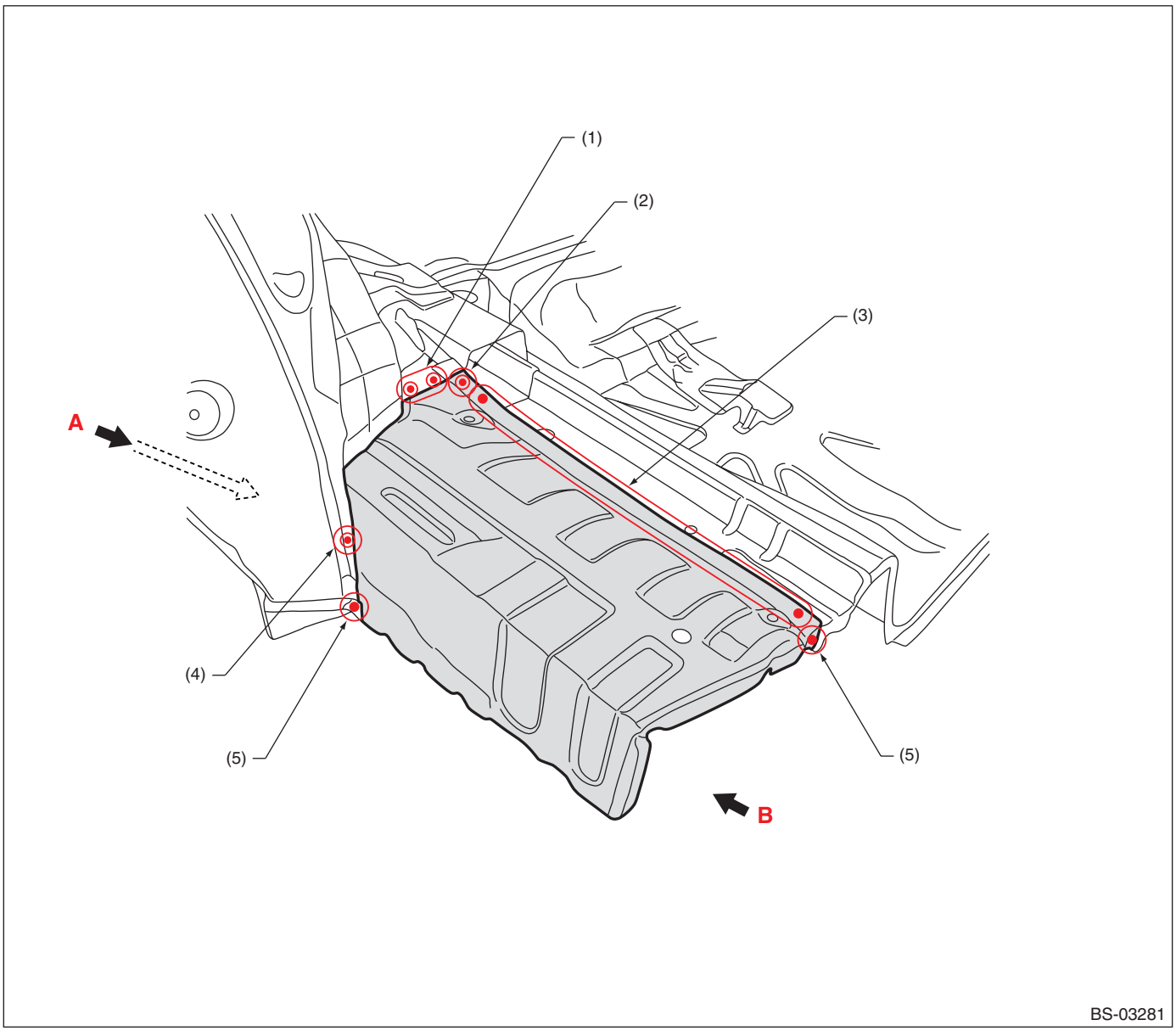


(1) 1 point
(2) 3 points
(3) 9 points (service)
(4) 2 points
(5) 1 point (service · matching)
(6) 10 points (service)

28.Rear Floor Side (total replacement)

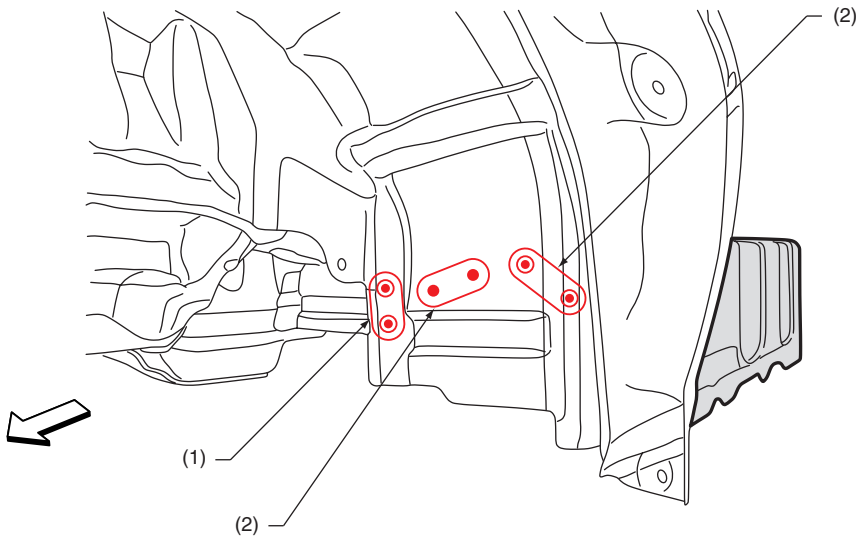
A: REMOVAL

- **Overall view (rear skirt, rear side frame upper rear, rear quarter removal condition)**

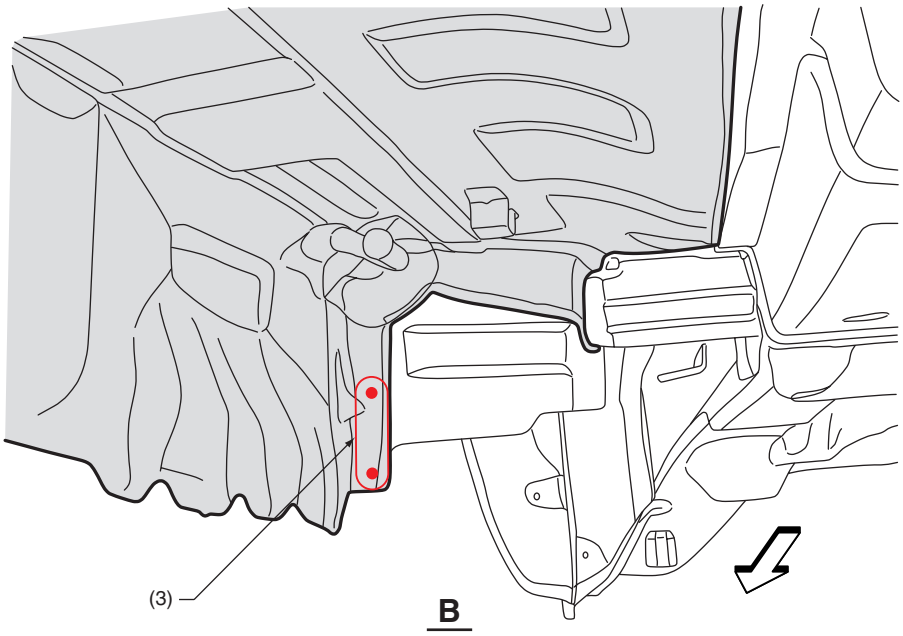


(1) 2 points (top · 2)
(2) 1 point (top · 1)
(3) 10 points (top · 1)
(4) 1 point (outside · 2)
(5) 1 point (outside · 1)

- **Views**



A



B

BS-03282

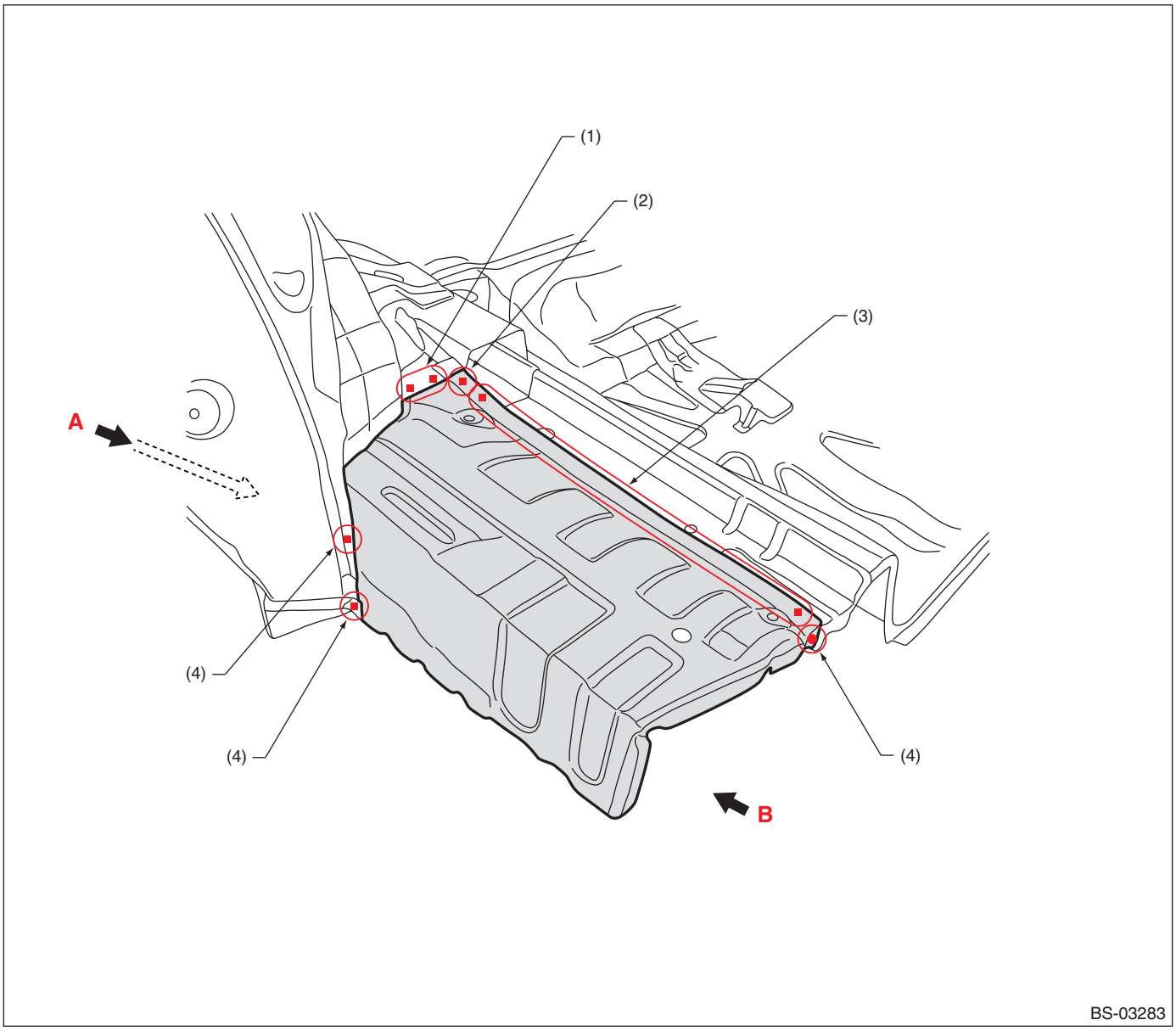
(1) 2 points (outside · 2)

(2) 2 points (outside · 1)

(3) 2 points (inside · 1)

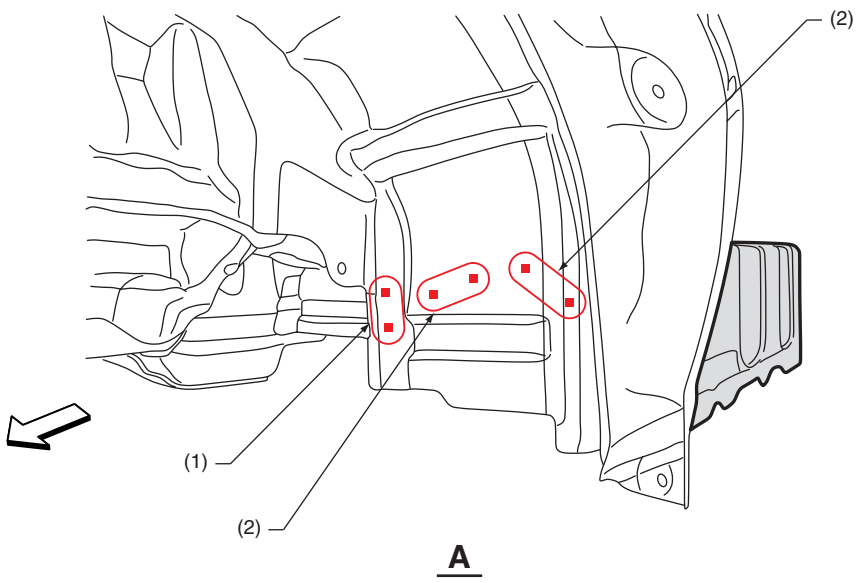
B: INSTALLATION

- **Overall view**

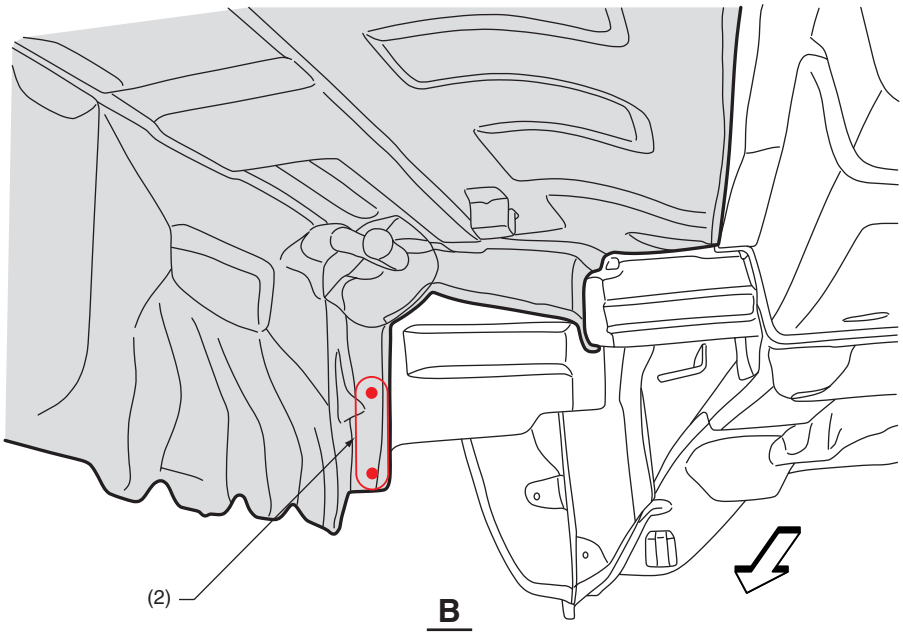


(1) 2 points (service · matching)
(2) 1 point (service)
(3) 10 points (service)
(4) 1 point

- **Views**



A



B

BS-03284

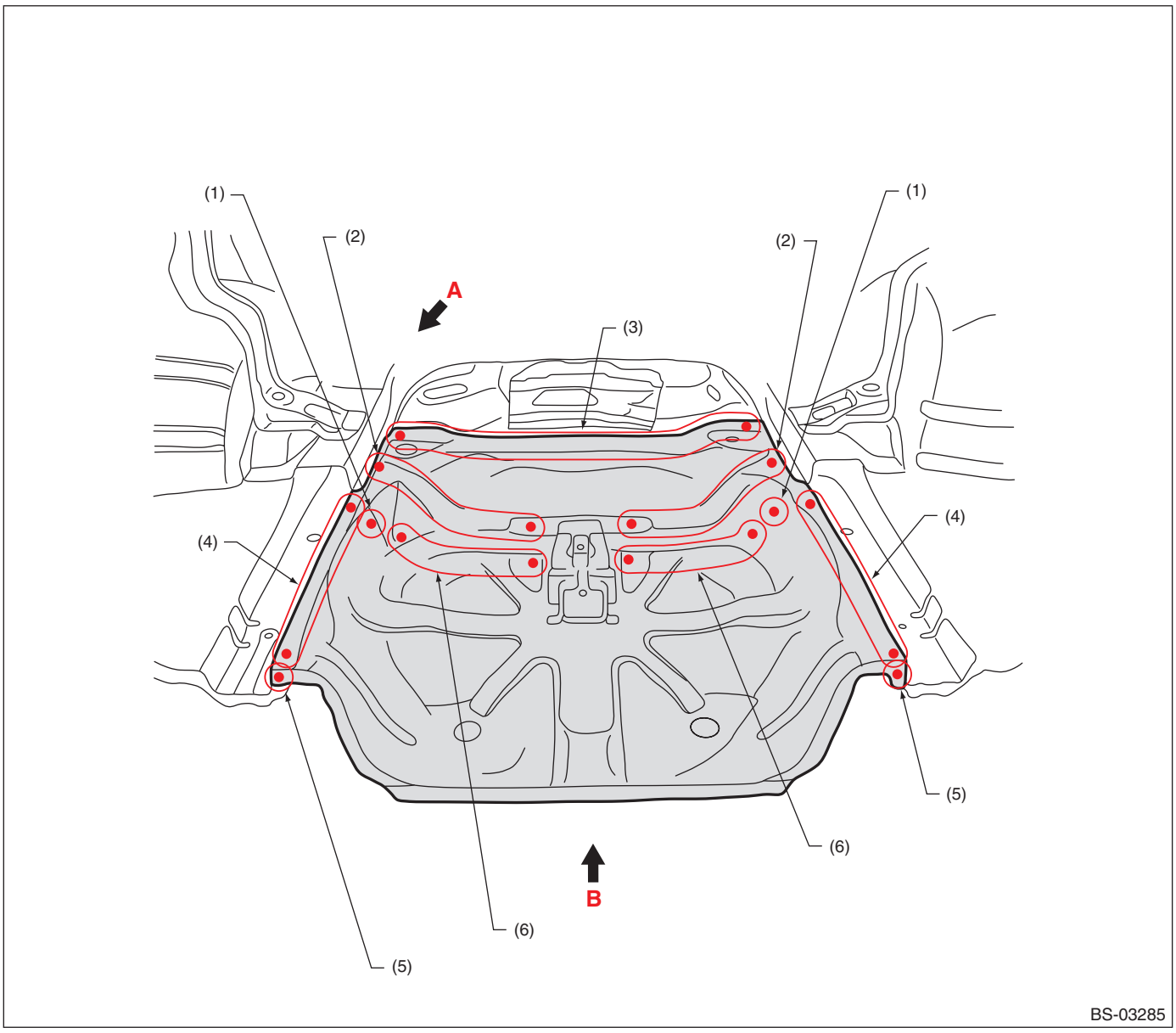
(1) 2 points (service · matching)

(2) 2 points

29.Rear Floor Pan (total replacement)

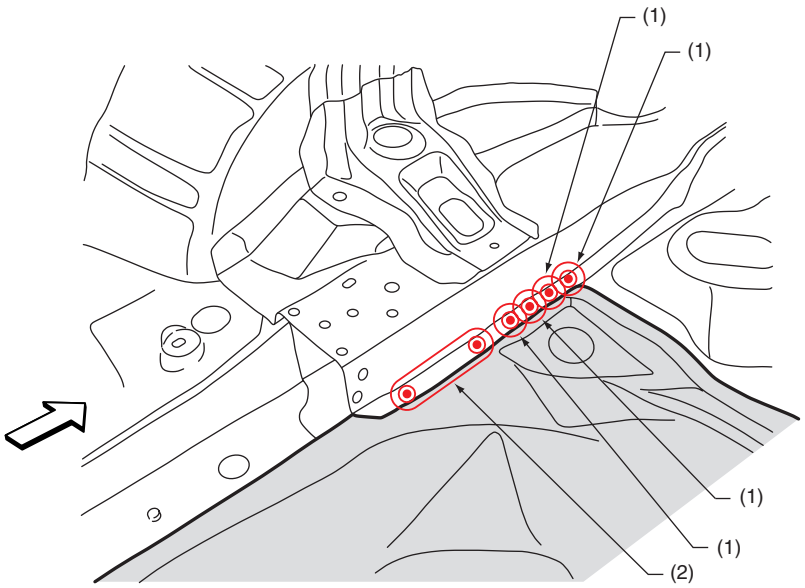
A: REMOVAL

- **Overall view (rear skirt and rear side frame upper rear removal condition)**

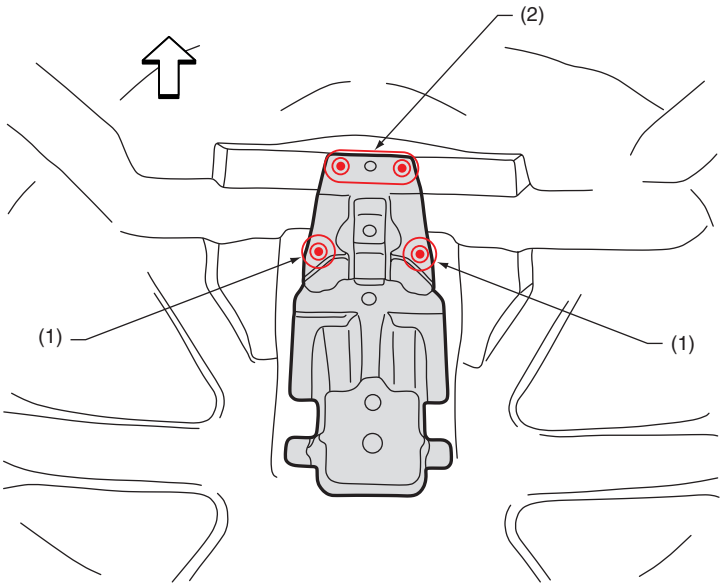


(1) 1 point (inside · 1)
(2) 6 points (top · 1)
(3) 12 points (top · 1)
(4) 9 points (top · 1)
(5) 1 point (outside · 1)
(6) 5 points (top · 1)

- **Views**



A



B

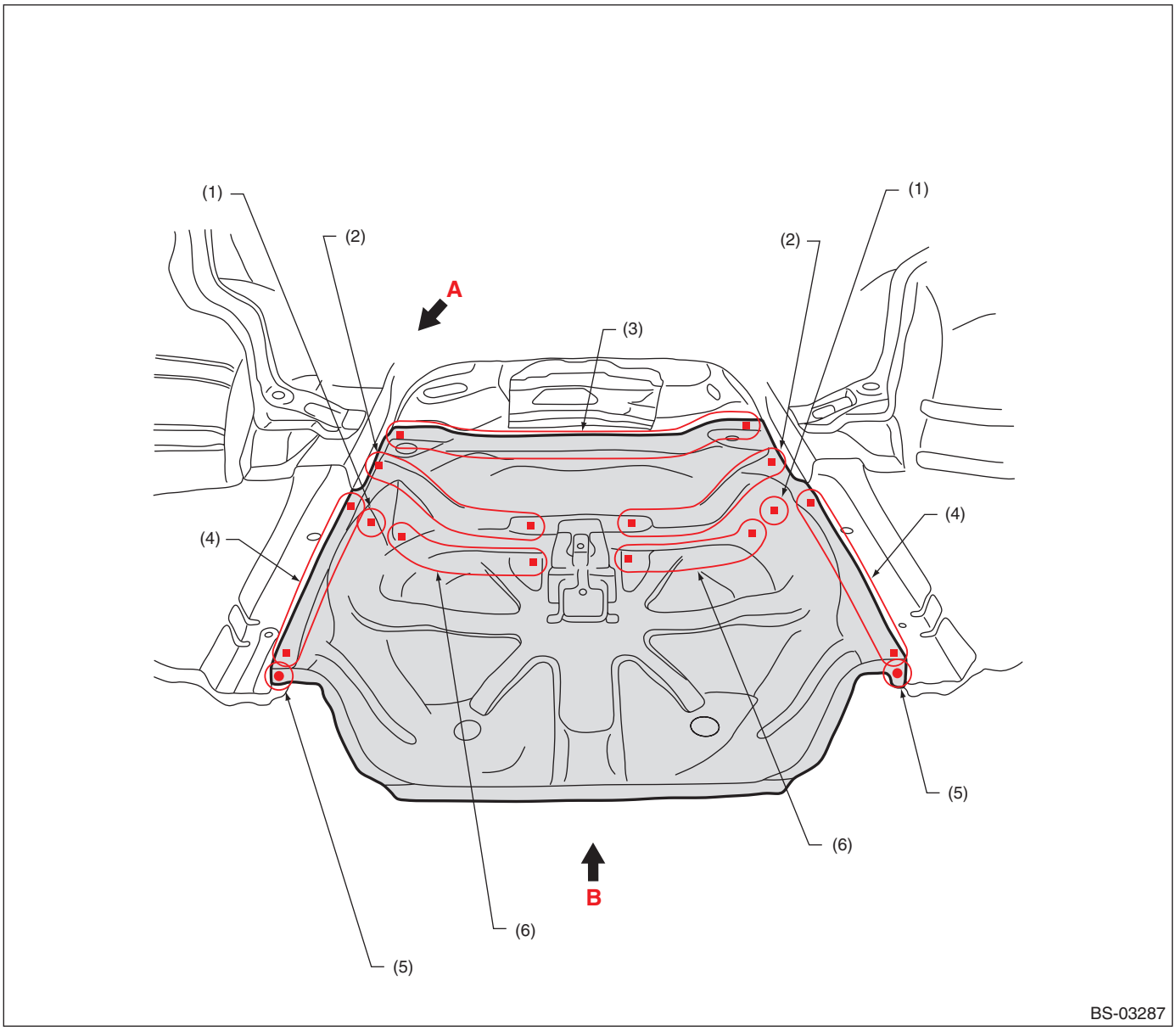
BS-03286

(1) 1 point (top · 2)

(2) 2 points (top · 2)

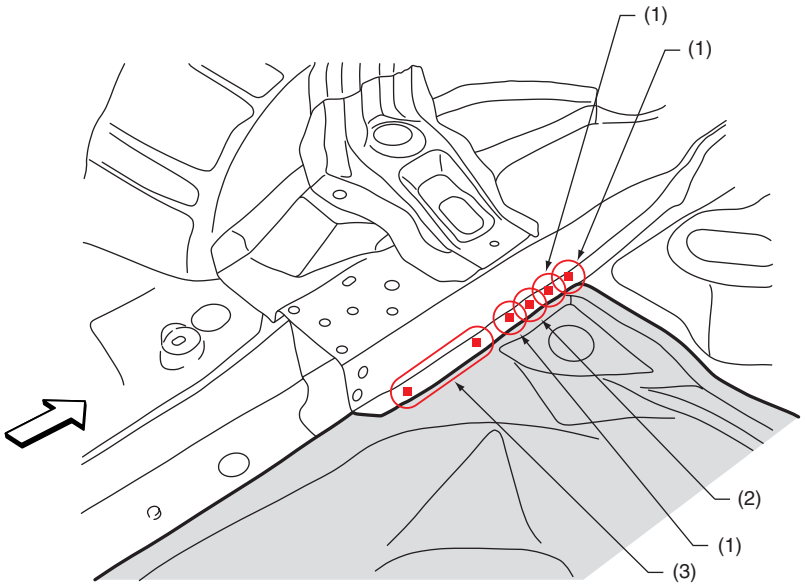
B: INSTALLATION

- **Overall view**

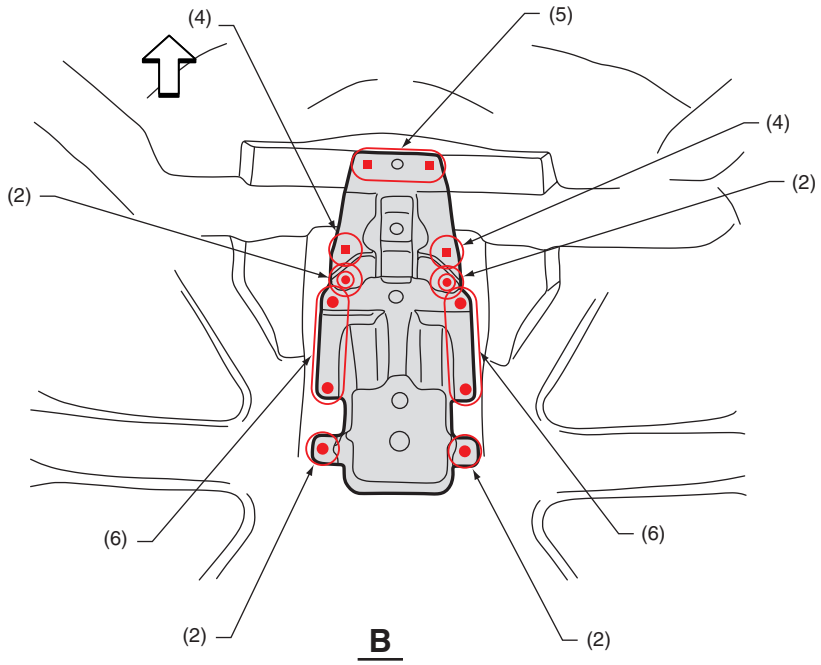


(1) 1 point (service)
(2) 6 points (service)
(3) 12 points (service)
(4) 9 points (service)
(5) 1 point
(6) 5 points (service)

- **Views**



A



B

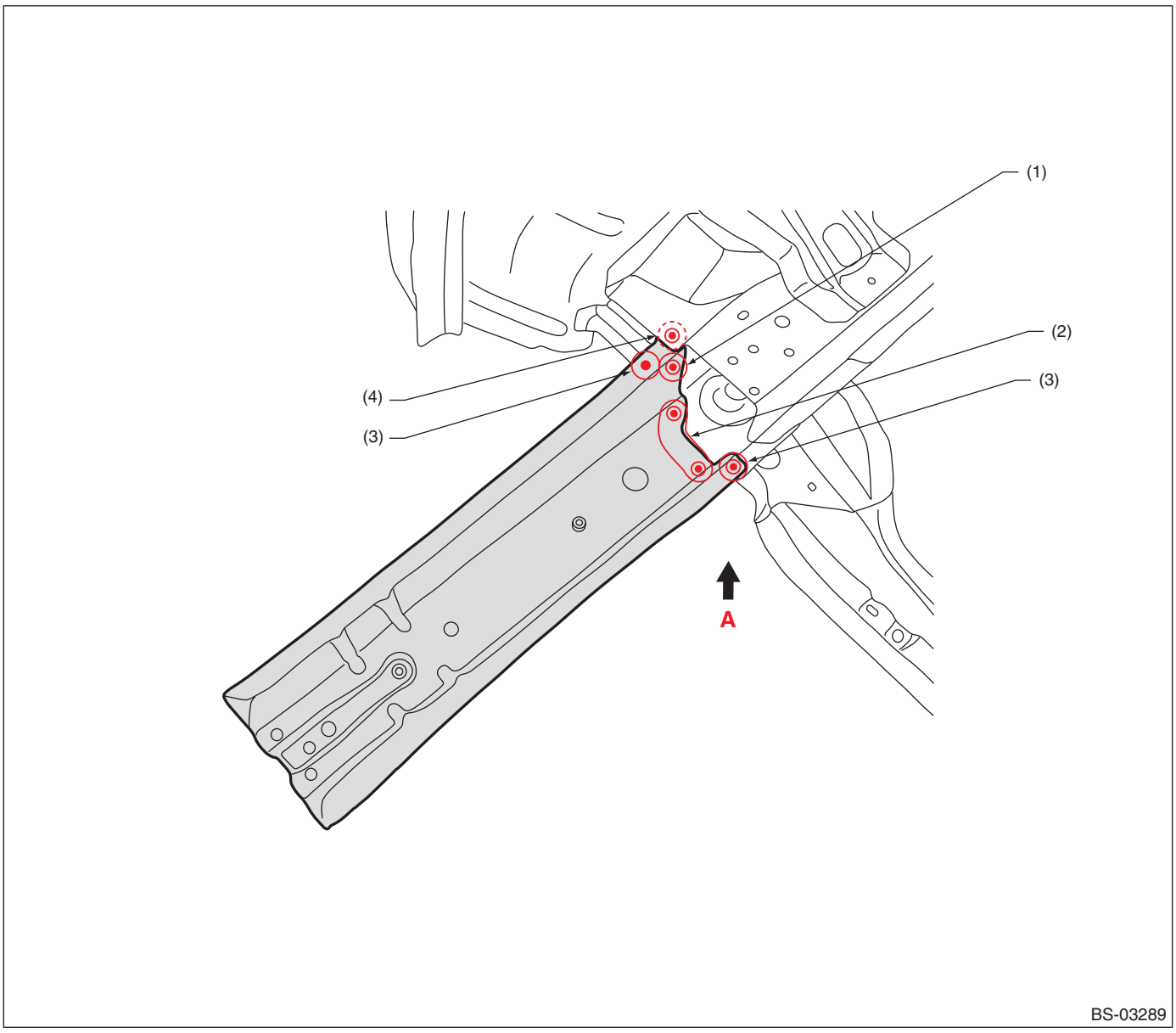
BS-03288

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

30.Rear Side Frame Lower Rear (total replacement)

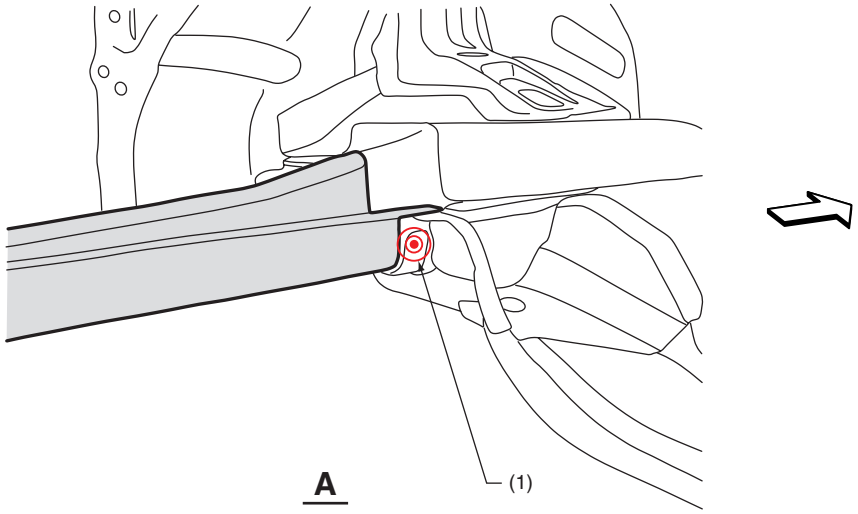
A: REMOVAL

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



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

- **Views**

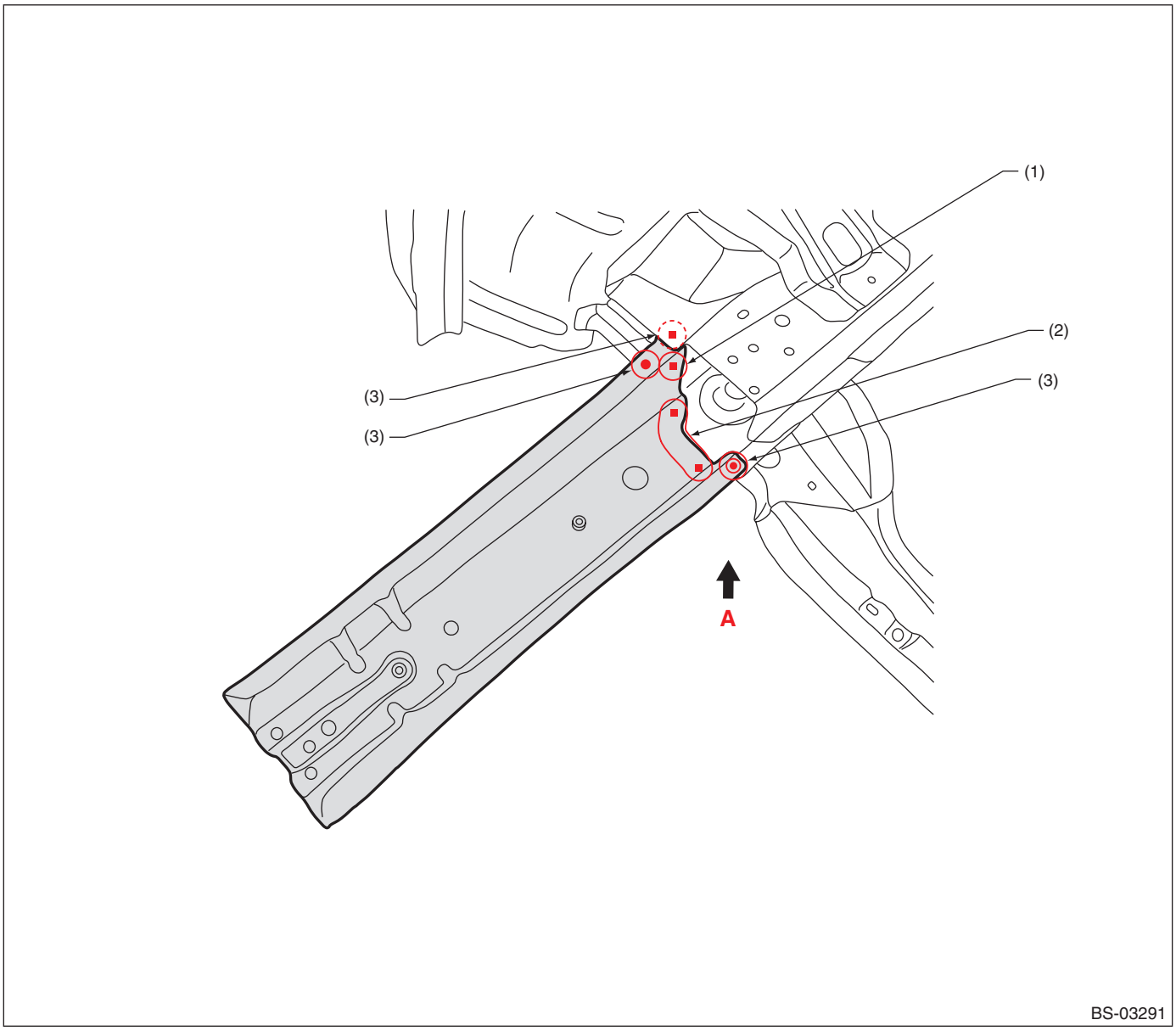


BS-03290

(1) 1 point (inside · 2)

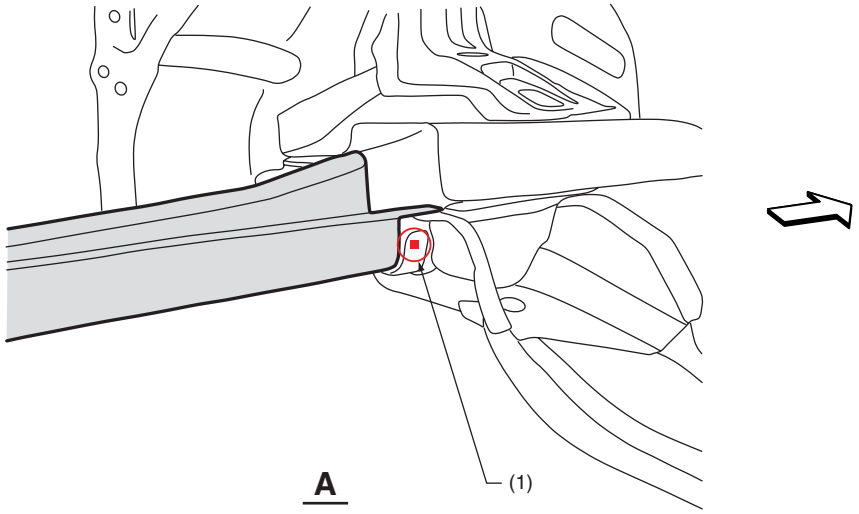
B: INSTALLATION

- **Overall view**



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

- **Views**



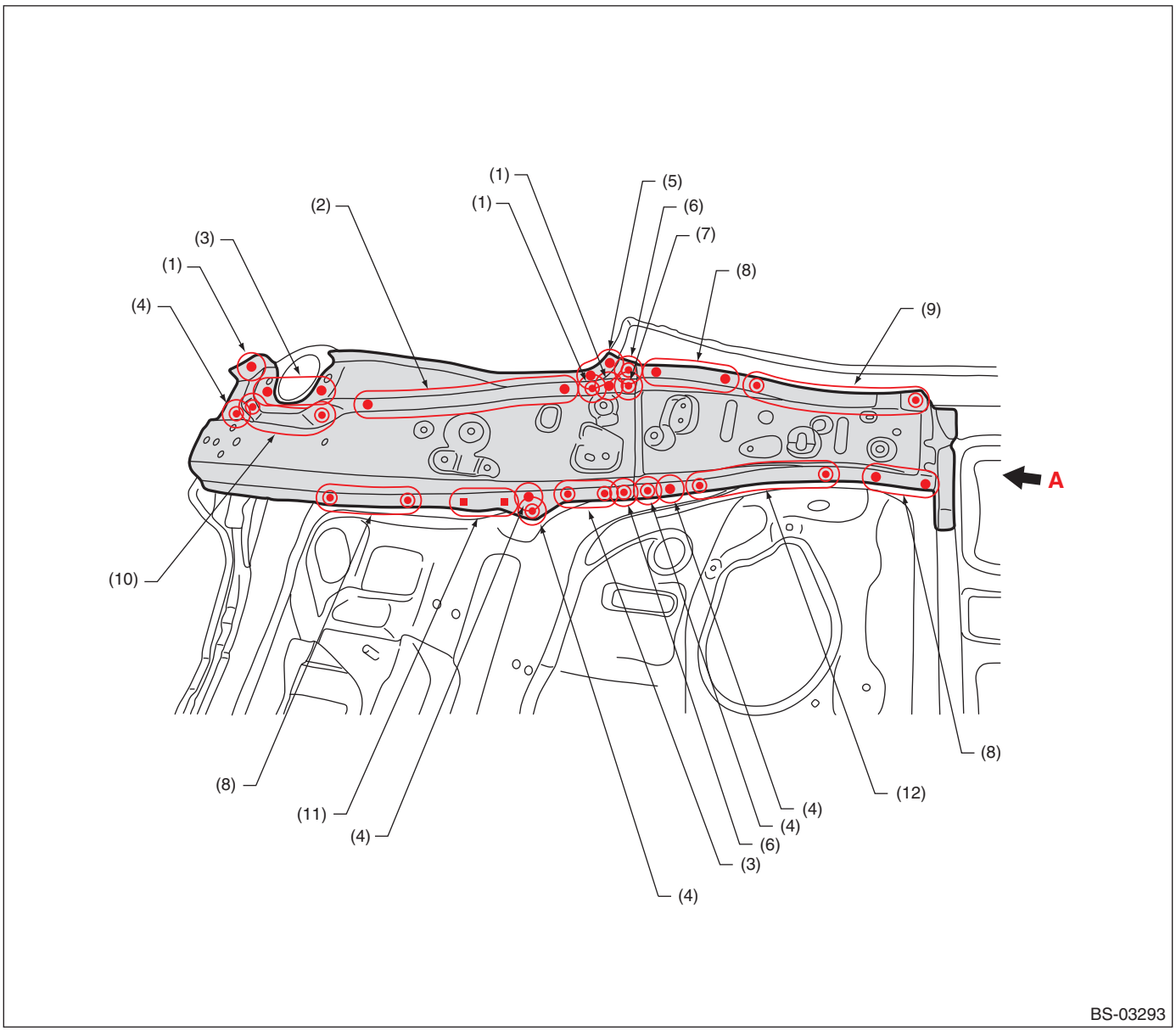
BS-03292

(1) 1 point

31.Closing Plate (total replacement)

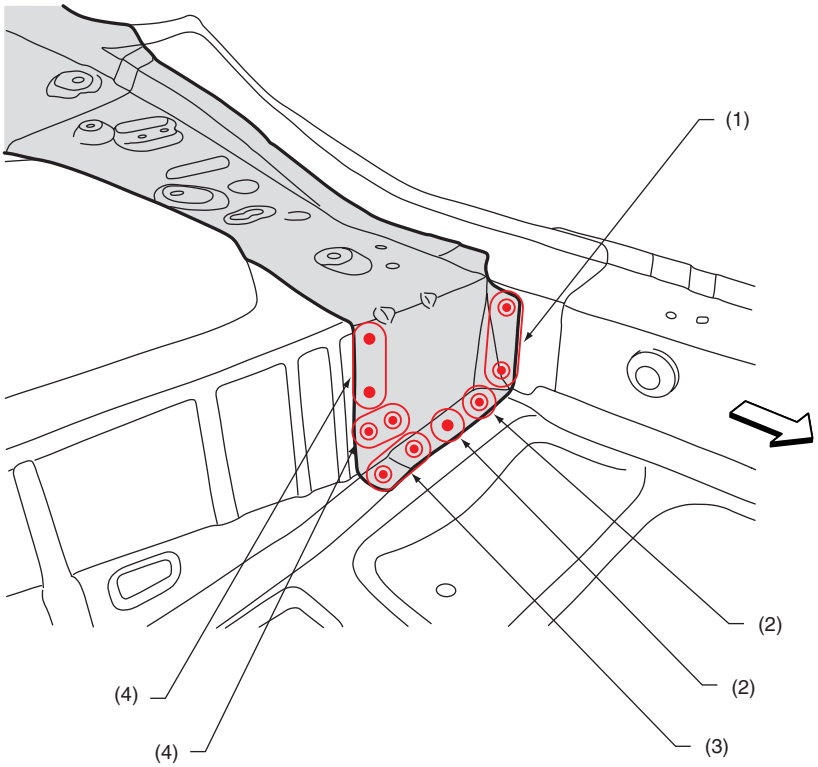
A: REMOVAL

- **Overall view (rear skirt, rear floor pan, rear quarter, rear quarter inner removal condition)**



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

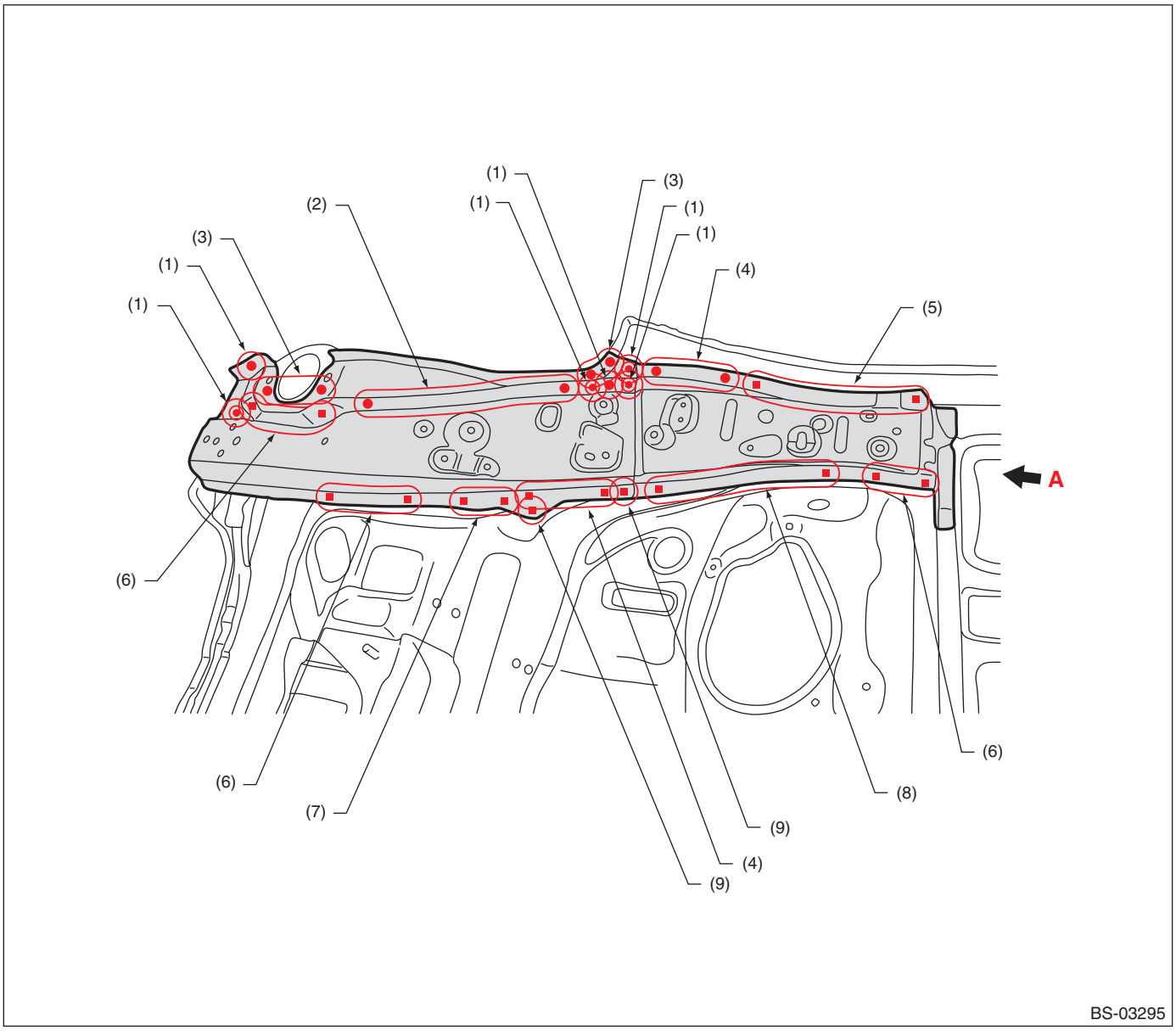
- **Views**



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

B: INSTALLATION

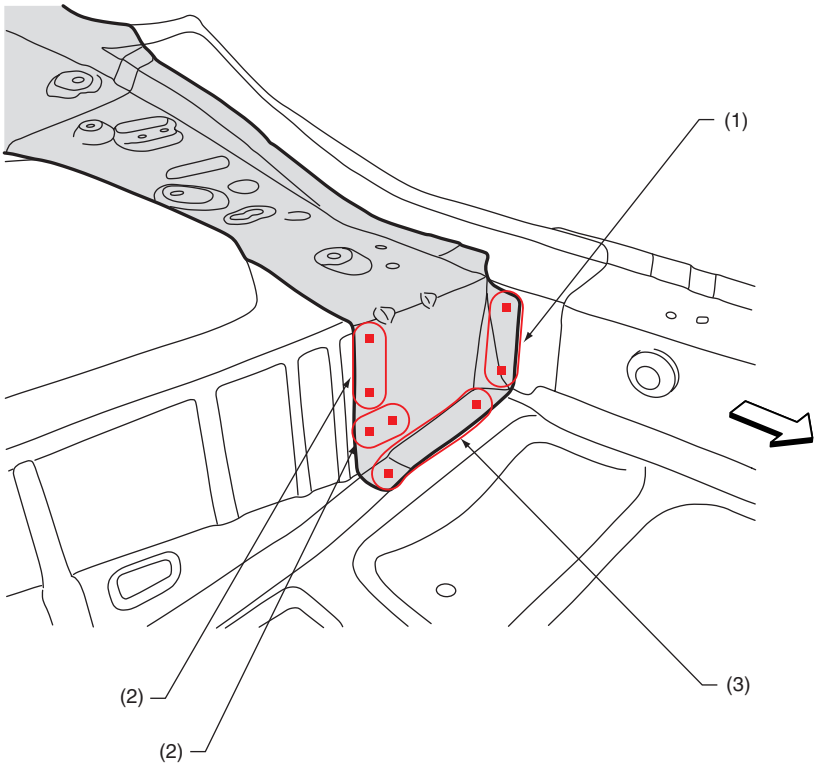
- **Overall view**



(1)	1 point	(4)	3 points	(7)	2 points (service)
(2)	6 points	(5)	5 points (service)	(8)	6 points (service)
(3)	2 points	(6)	3 points (service)	(9)	1 point (service)

Closing Plate (total replacement)

- **Views**



A

BS-03296

(1) 3 points (service)

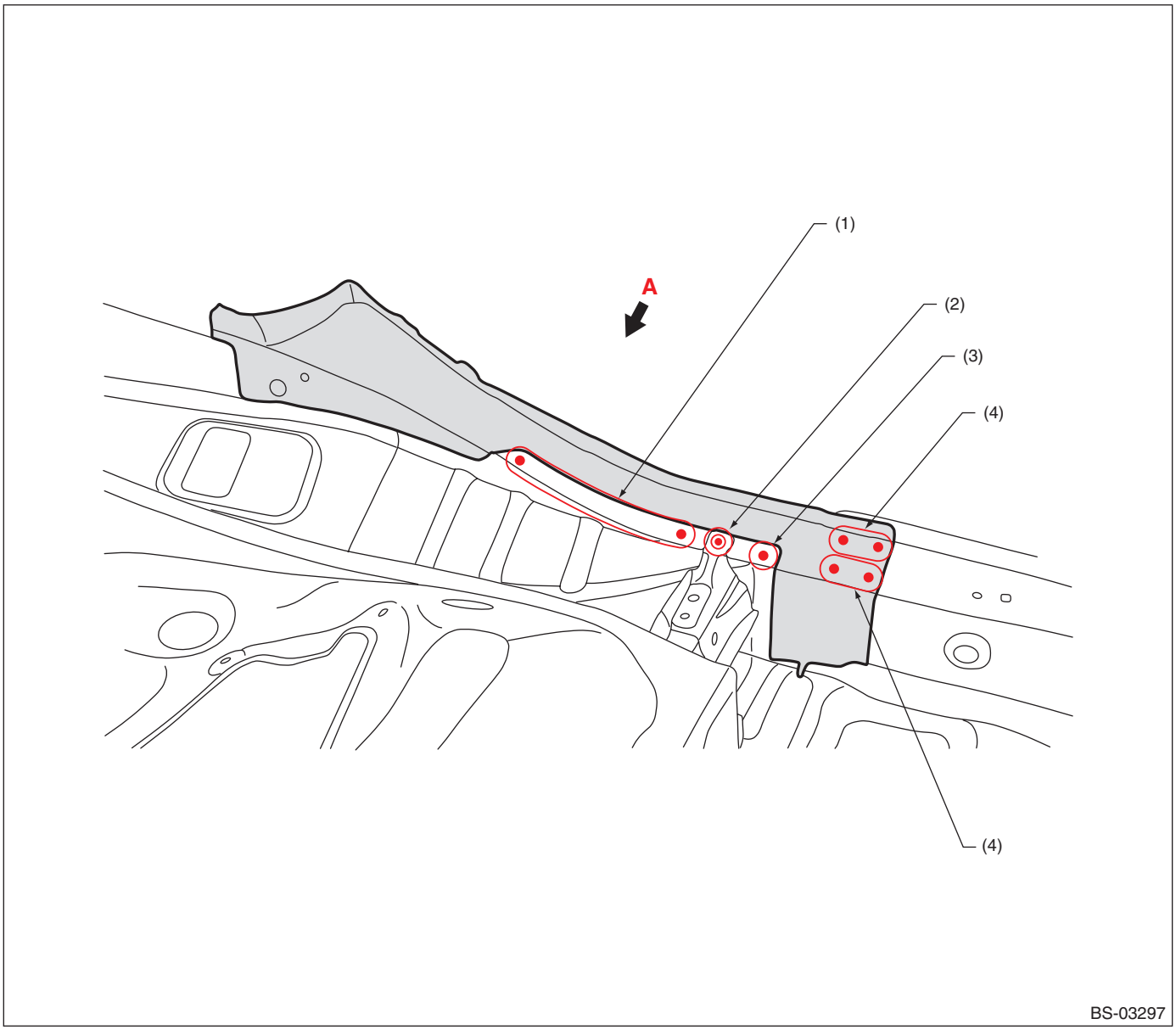
(2) 2 points (service)

(3) 4 points (service)

32.Side Sill Inner Rear (total replacement)

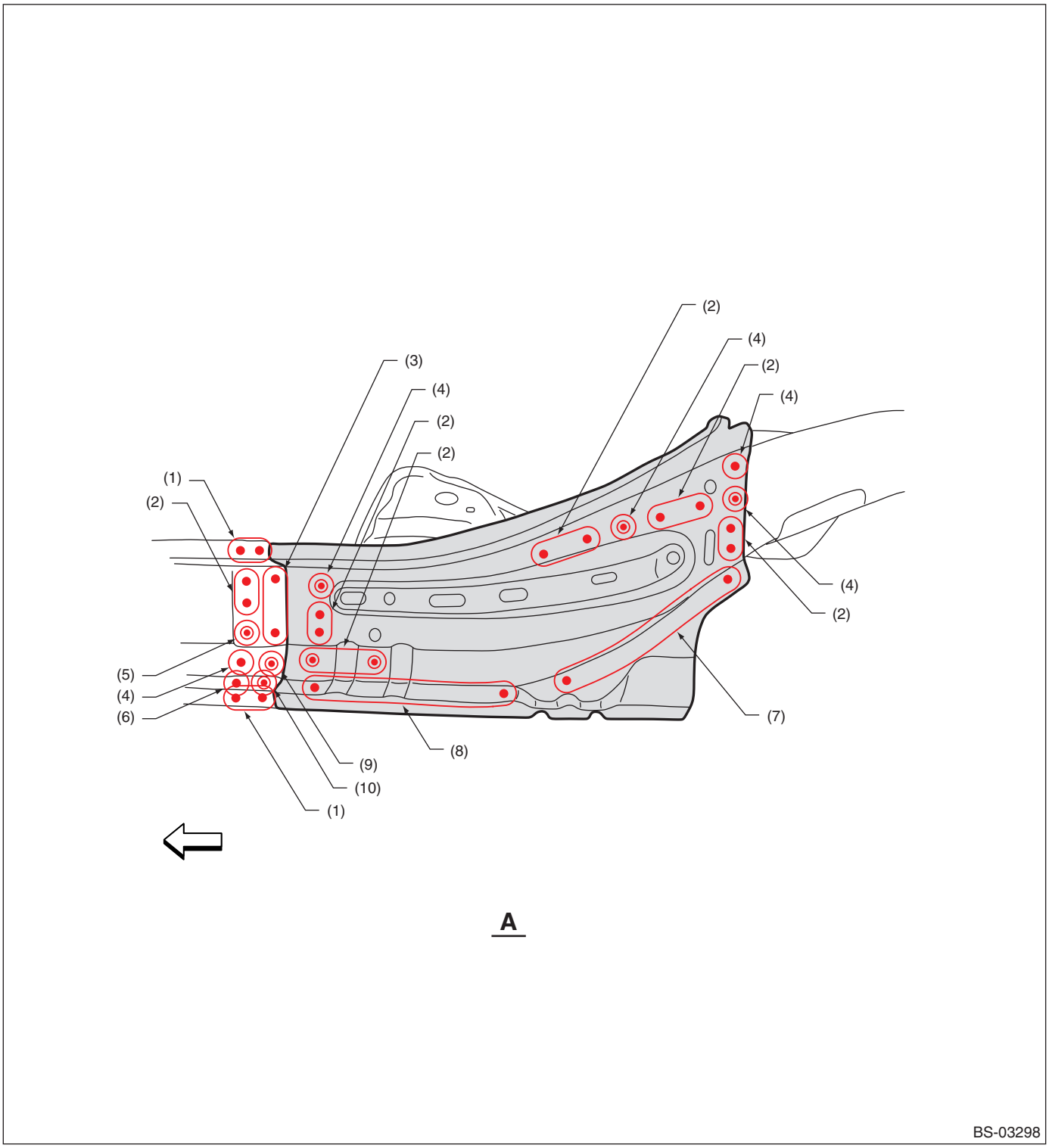
A: REMOVAL

• Overall view (rear quarter, rear quarter inner, closing plate, side sill reinforcement outer & inner removal condition)



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

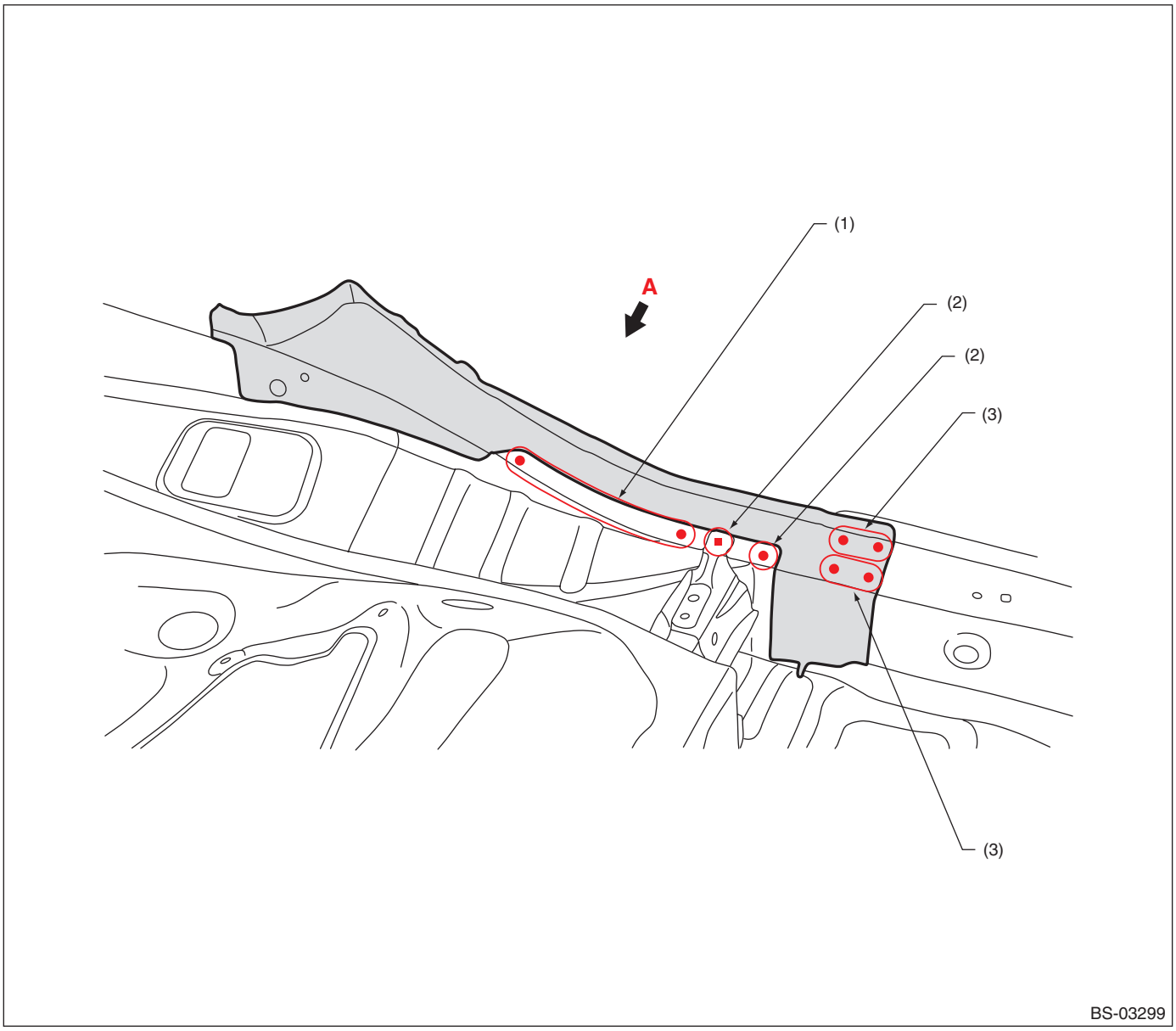
- **Views**



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

B: INSTALLATION

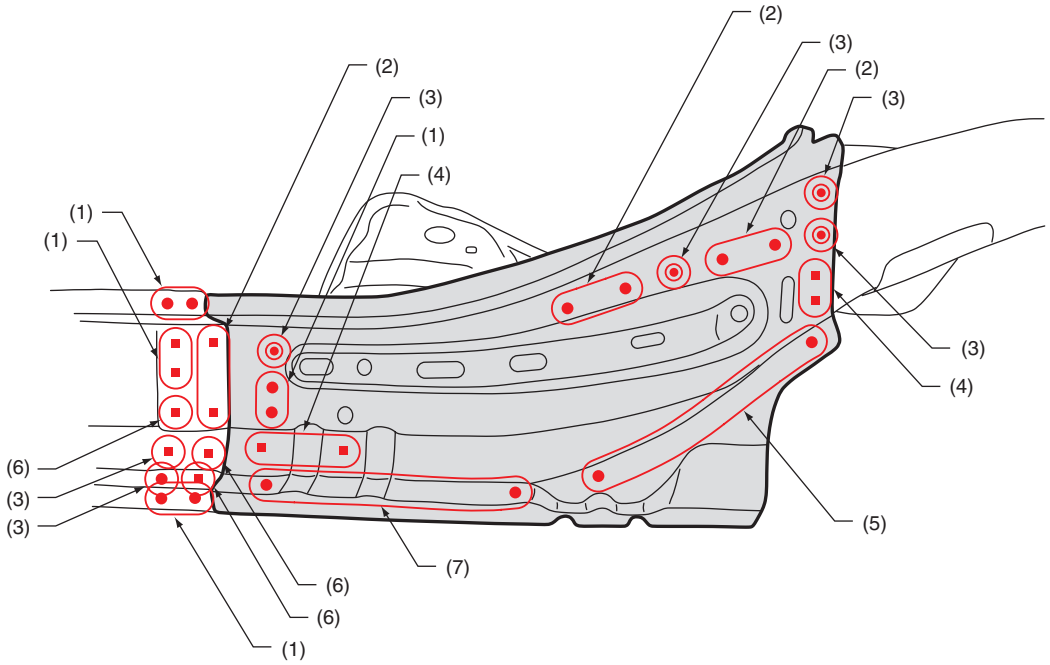
- **Overall view**



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

Side Sill Inner Rear (total replacement)

- **Views**



A

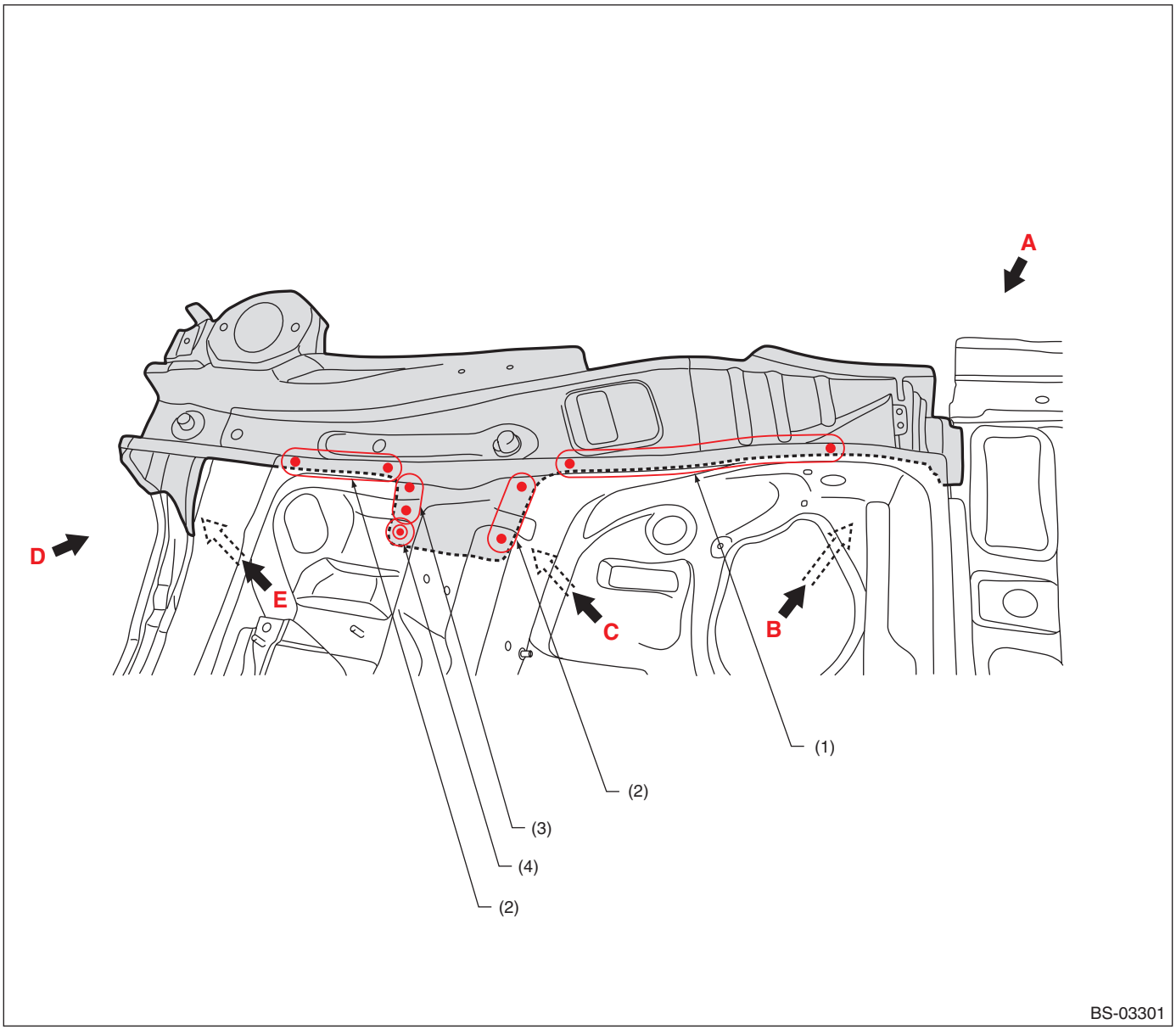
BS-03300

(1) 2 points
(2) 3 points
(3) 1 point
(4) 2 points (service)
(5) 6 points
(6) 1 point (service · matching)
(7) 4 points

33.Rear Frame (total replacement)

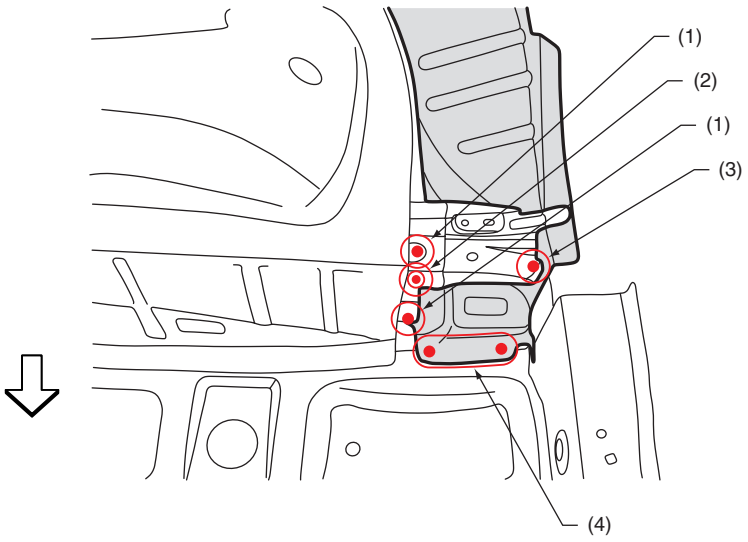
A: REMOVAL

• Overall view [rear skirt, rear side frame (upper, lower), rear floor pan, rear quarter (outer, inner), side sill reinforcement (outer, inner), side sill inner rear removal condition]

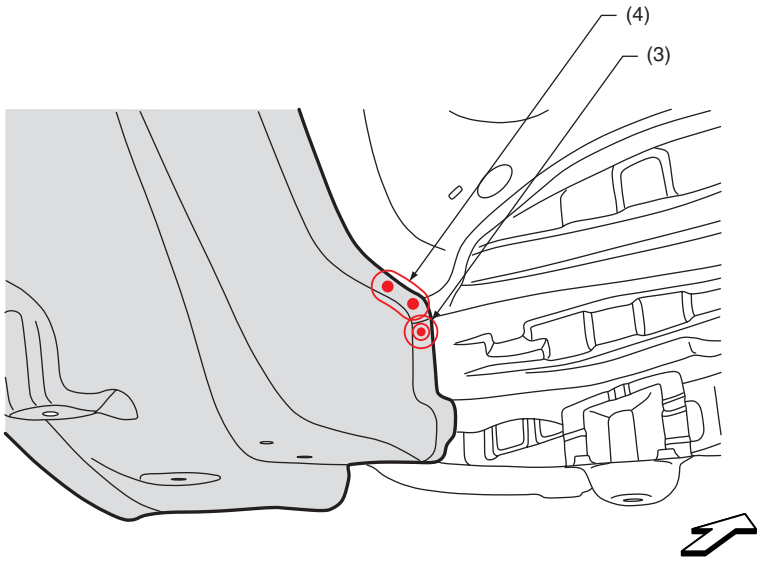


(1) 7 points (top · 1)
(2) 3 points (top · 1)
(3) 2 points (outside · 1)
(4) 1 point (top · 2)

- **Views 1**



A

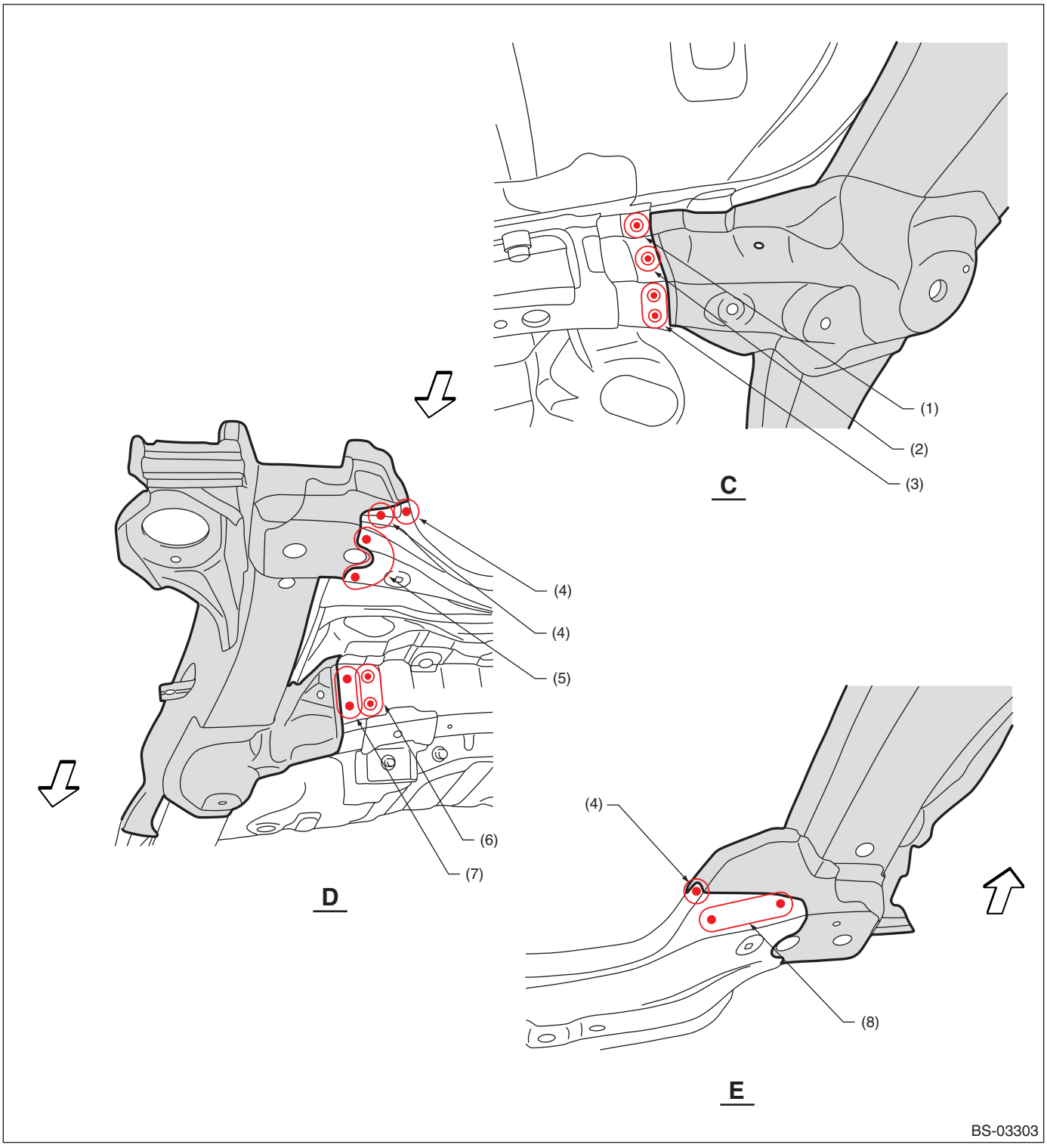


B

BS-03302

(1) 1 point (inside · 1)
(2) 1 point (top · 2)
(3) 1 point (outside · 1)
(4) 2 points (bottom · 1)

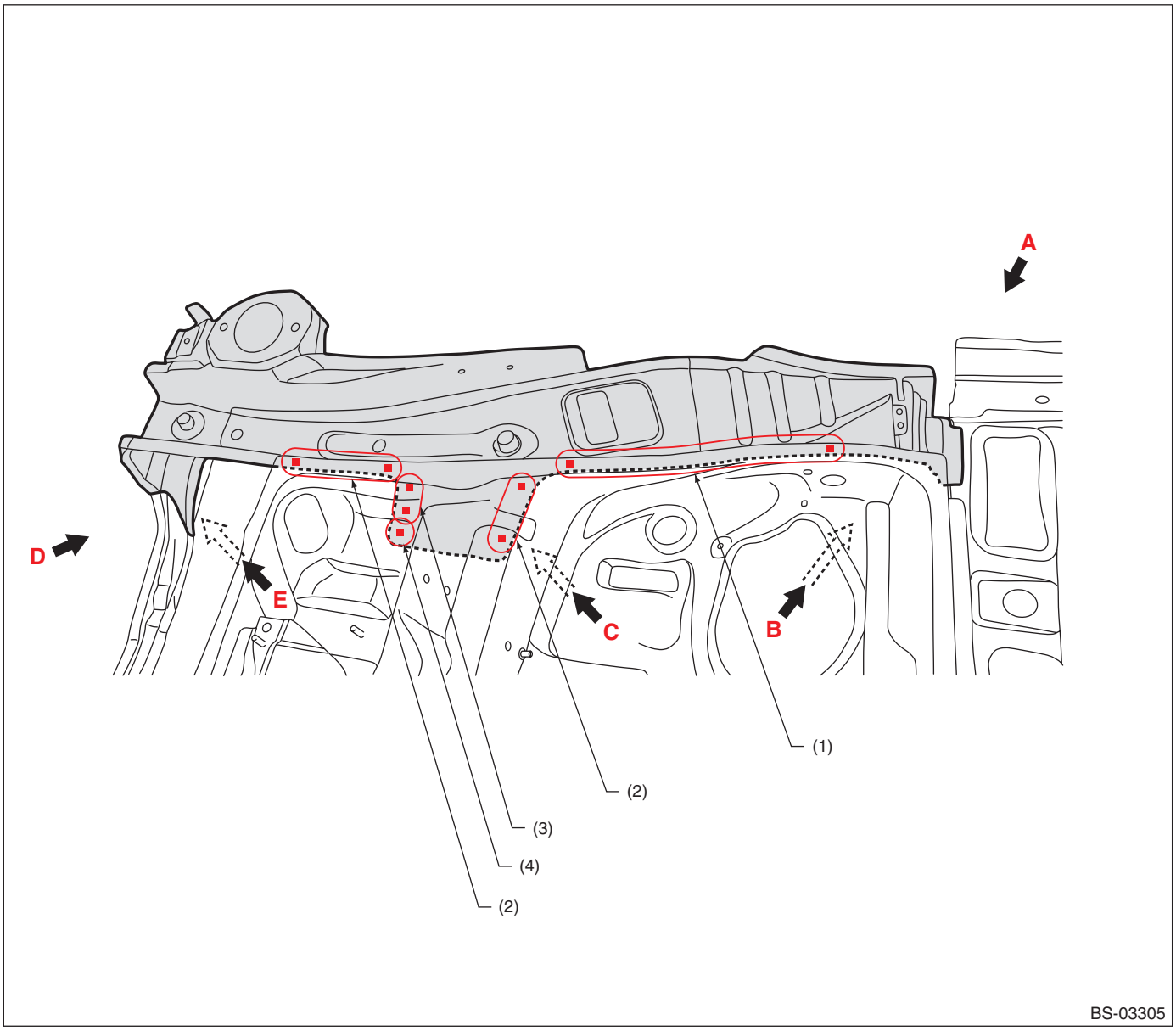
- **Views 2**



(1) 1 point (bottom · 2)
(2) 1 point (inside · 2, belt sander)
(3) 2 points (bottom · 2)
(4) 1 point (outside · 1)
(5) 3 points (bottom · 1)
(6) 2 points (outside · 2)
(7) 2 points (outside · 1)
(8) 3 points (inside · 1)

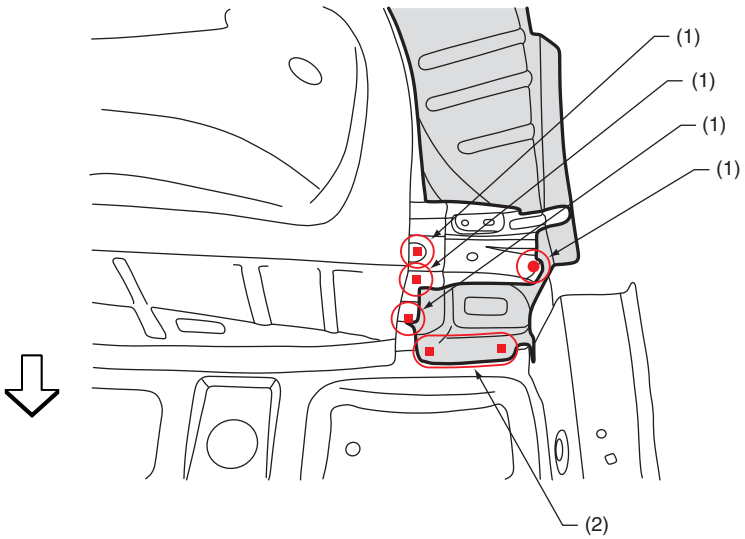
B: INSTALLATION

- **Overall view**

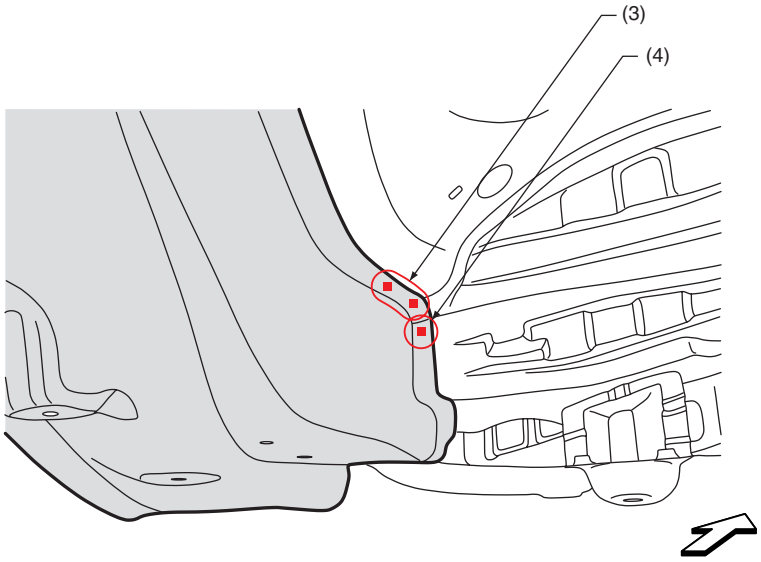


(1) 7 points
(2) 3 points
(3) 2 points
(4) 1 point (service · matching)

- **Views 1**



A

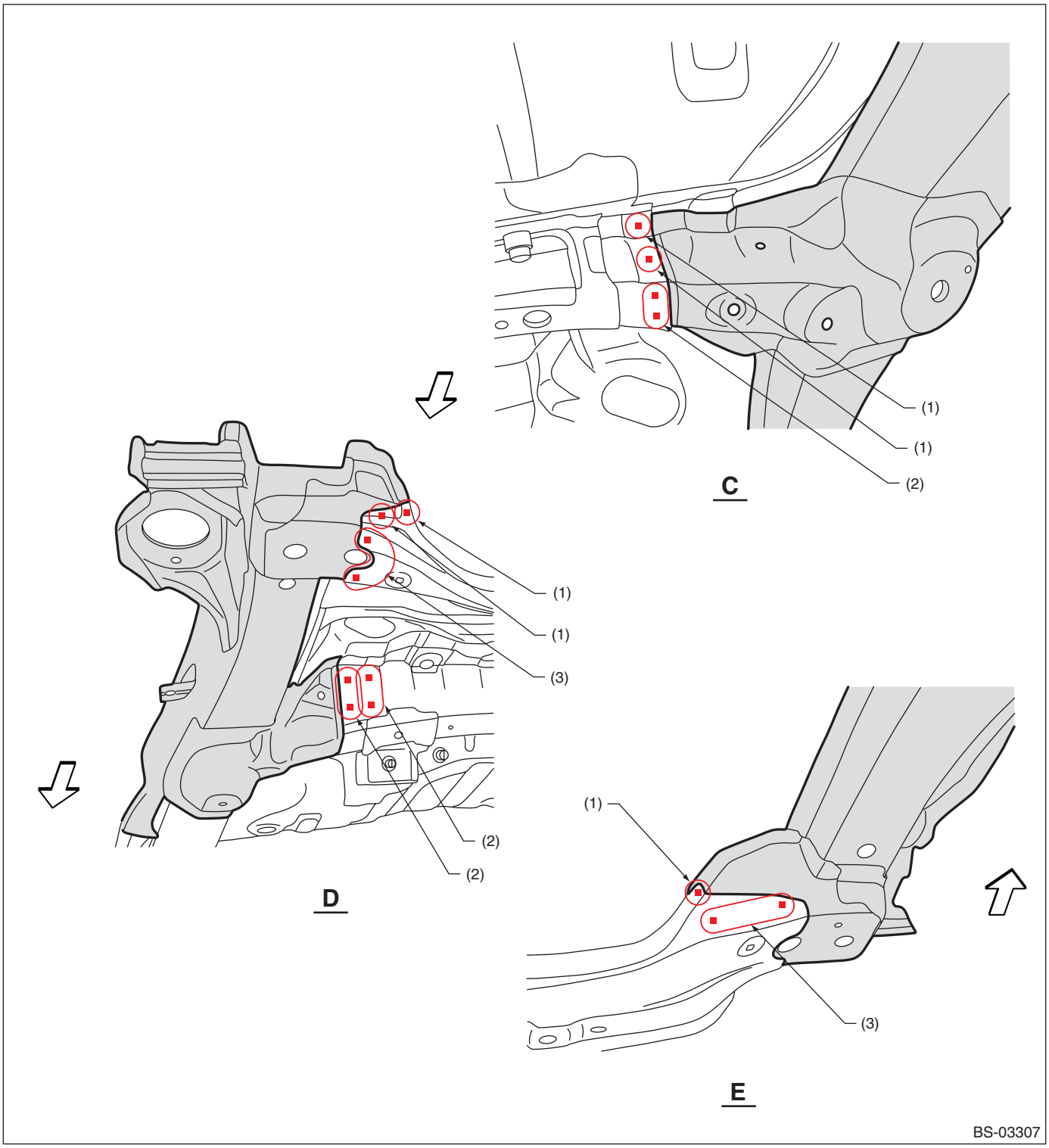


B

BS-03306

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

- **Views 2**

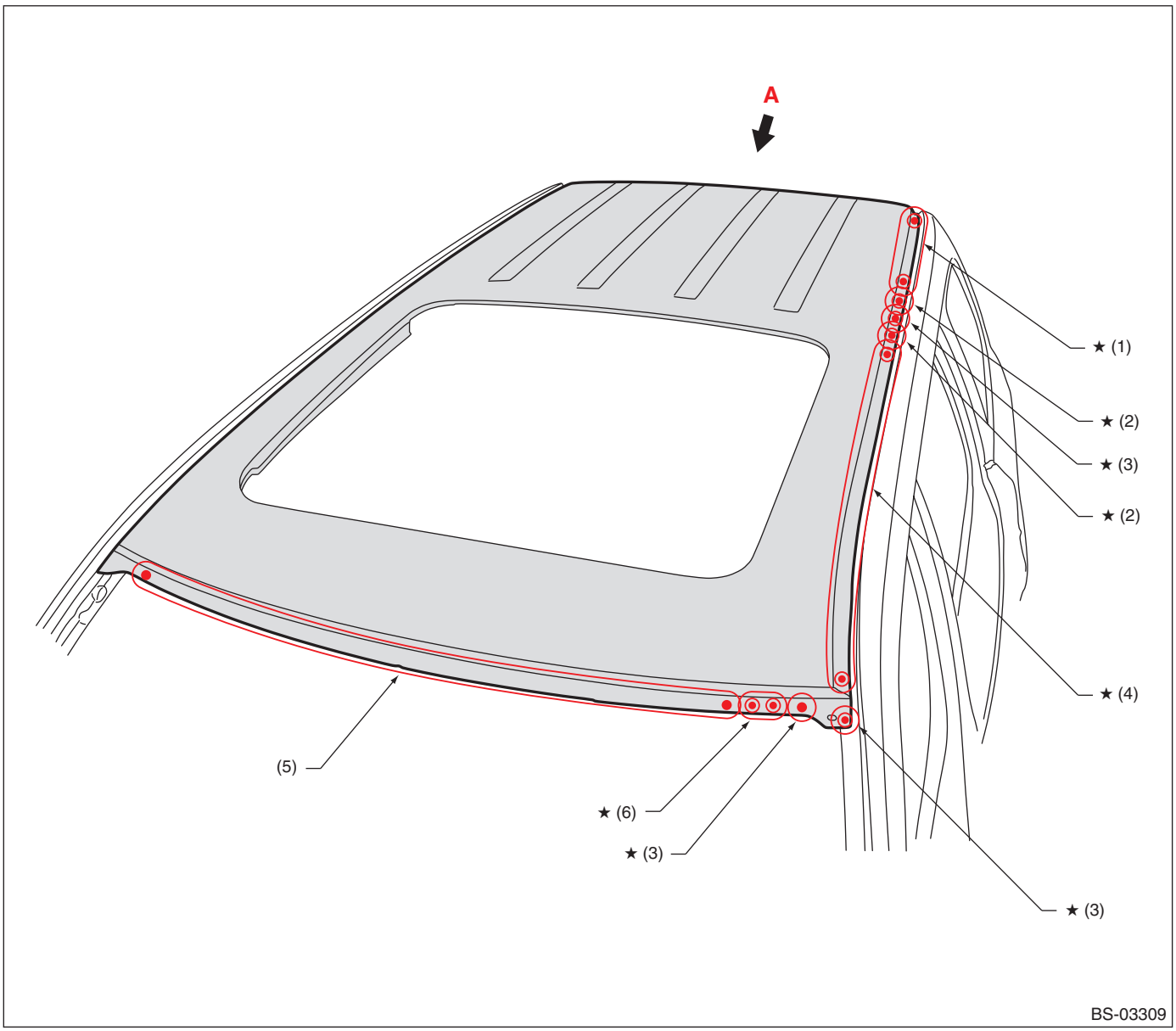


(1) 1 point (2) 2 points (3) 3 points

34.Roof Panel (total replacement)

A: REMOVAL

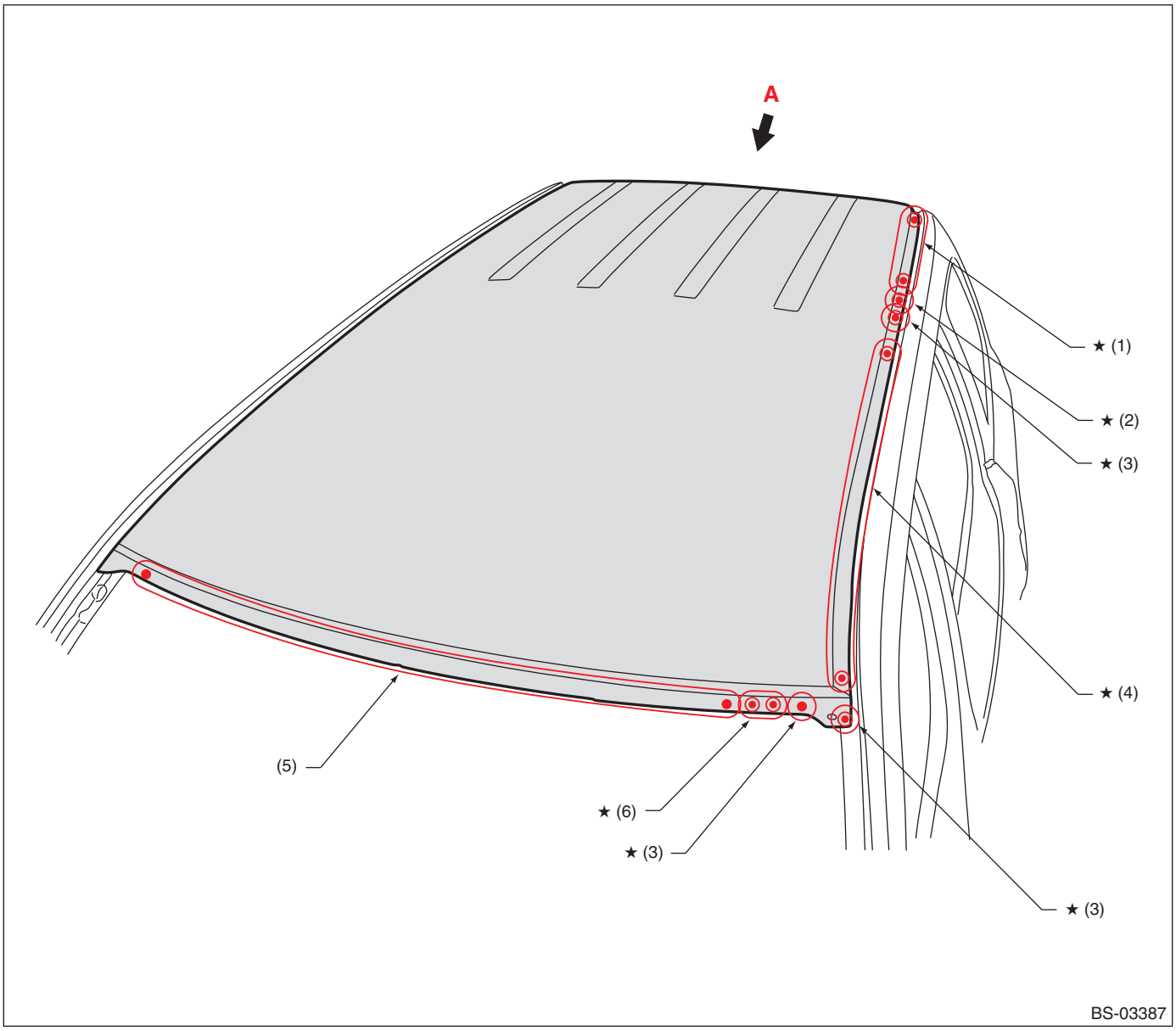
- **Overall view (model with sunroof)**



(1)	11 points (top · 1)	(3)	1 point (top · 1)	(5)	16 points (top · 1)
(2)	1 point (top · 2)	(4)	14 points (top · 1)	(6)	2 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.

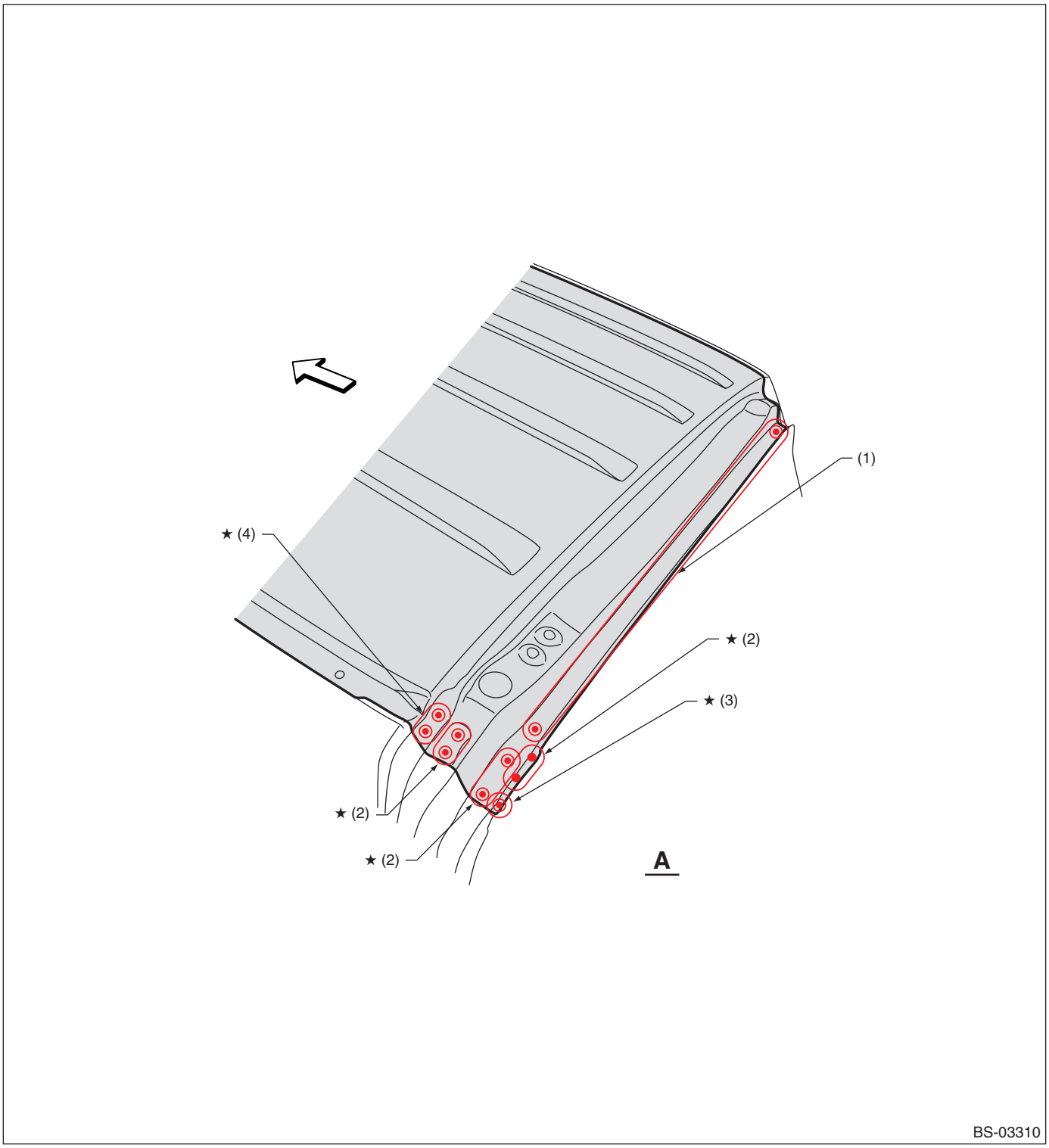
- **Overall view (model without sunroof)**



(1)	11 points (top · 1)	(3)	1 point (top · 1)	(5)	16 points (top · 1)
(2)	1 point (top · 2)	(4)	14 points (top · 1)	(6)	2 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.

- **Views**

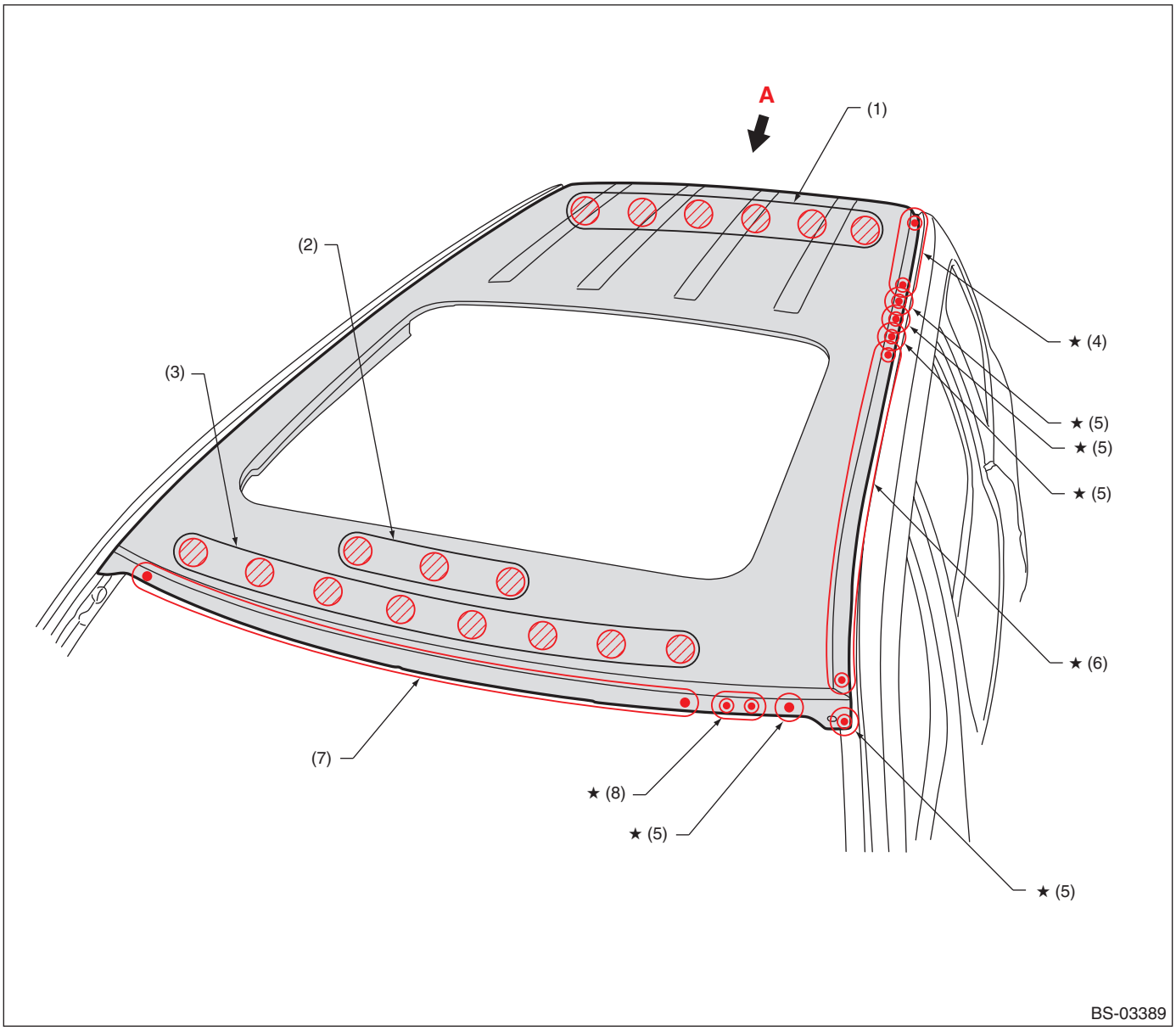


(1) 13 points (top · 1)
(2) 2 points (top · 1)
(3) 1 point (top · 1)
(4) 2 points (outside · 1)

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

B: INSTALLATION

- **Overall view (model with sunroof)**

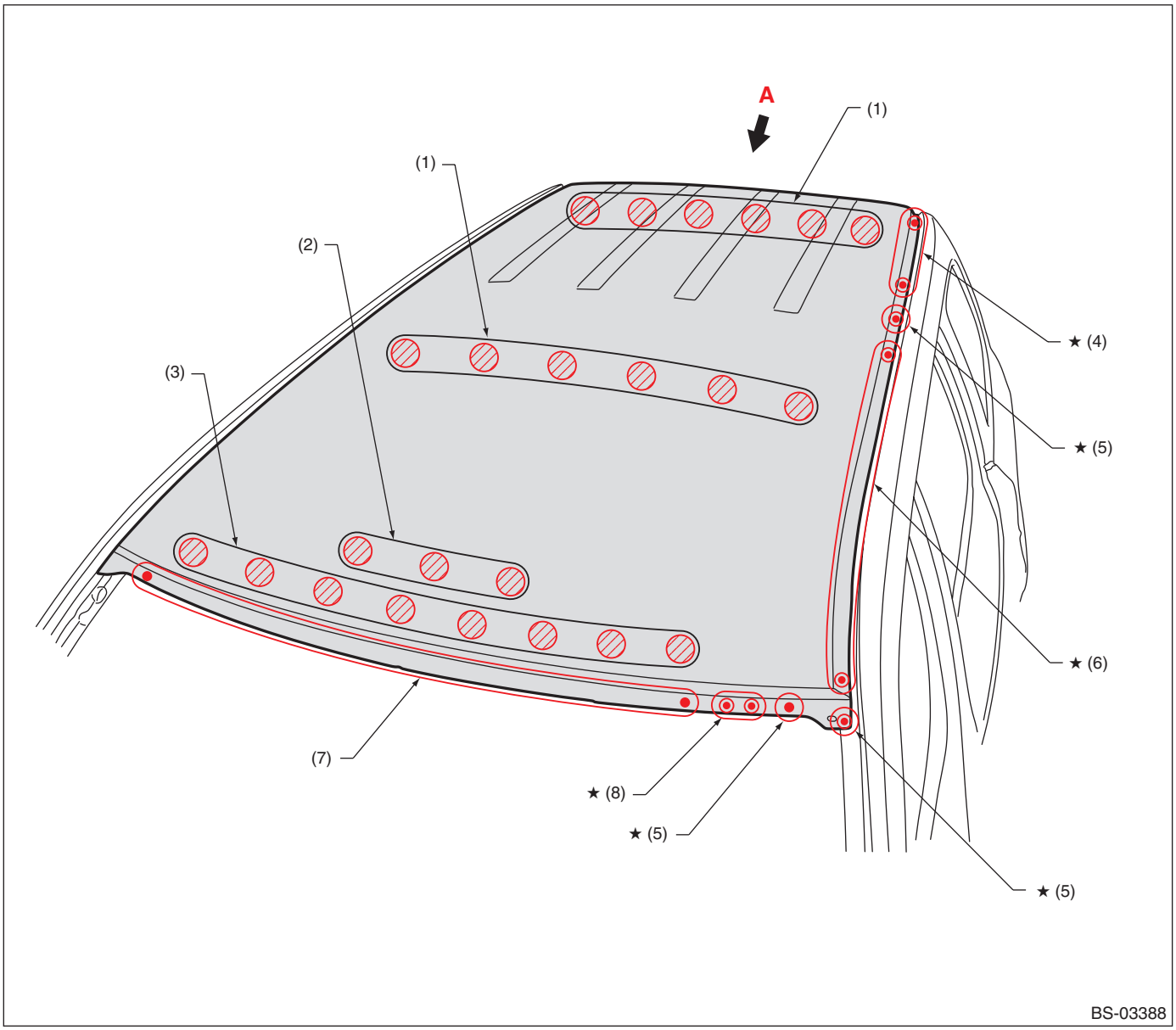


(1)	6 points	(4)	11 points	(7)	16 points
(2)	3 points	(5)	1 point	(8)	2 points
(3)	8 points	(6)	14 points		

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.

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

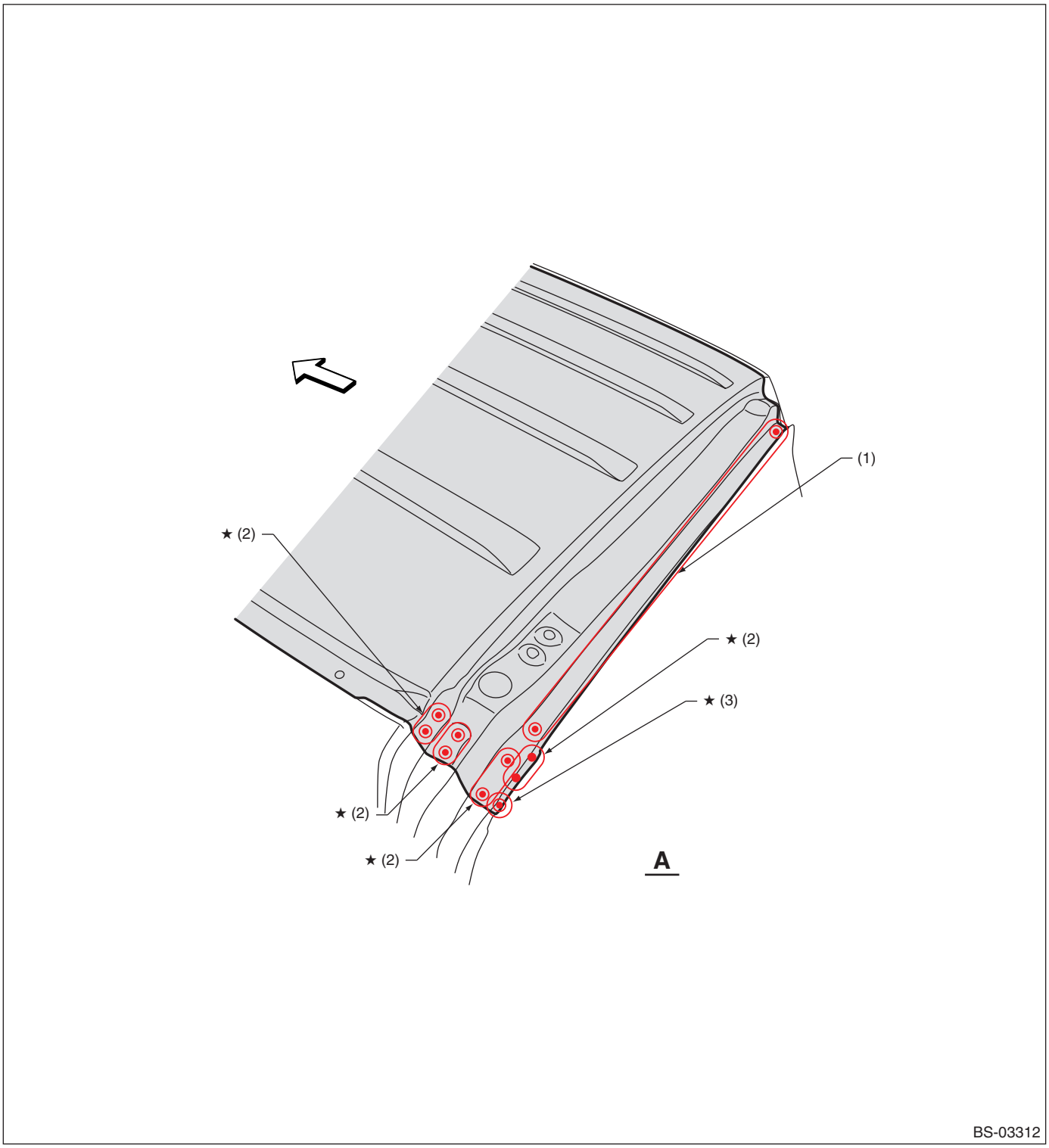


(1)	6 points	(4)	11 points	(7)	16 points
(2)	3 points	(5)	1 point	(8)	2 points
(3)	8 points	(6)	17 points		

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.

- **Views**



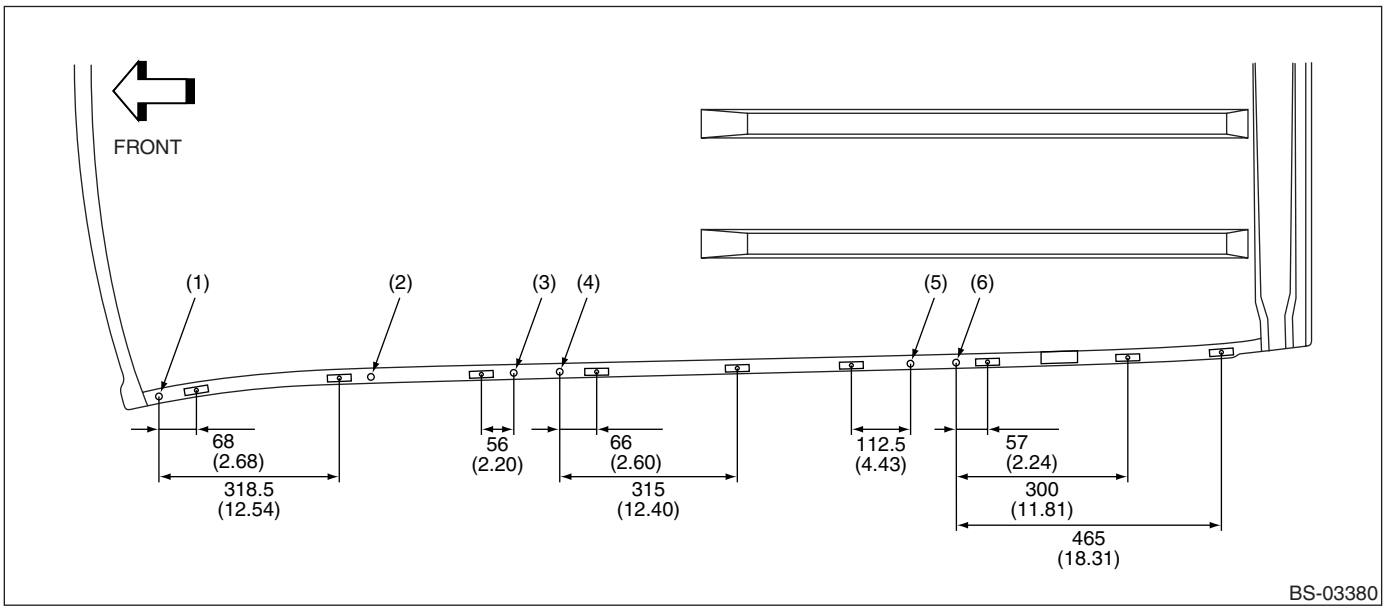
(1) 15 points (2) 2 points (3) 1 point

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

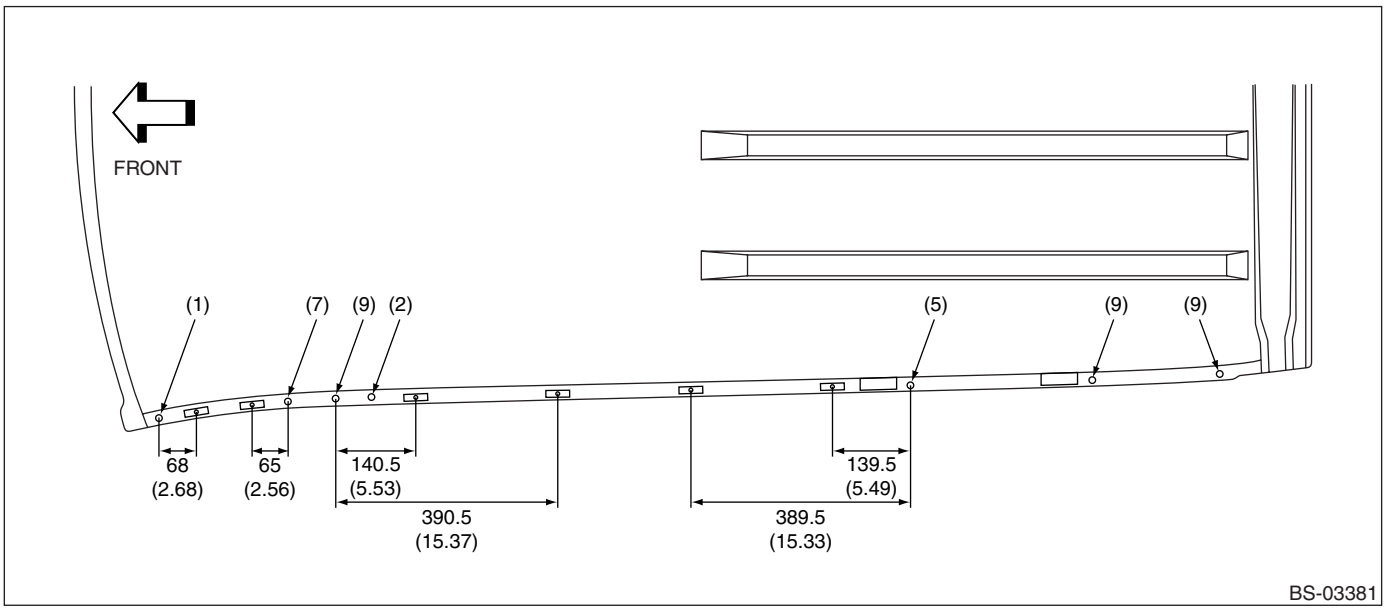
C: T STUD INSTALLATION

- Model without roof rail

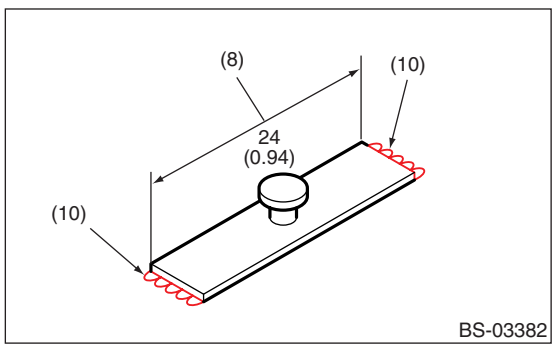
Unit: mm (in)



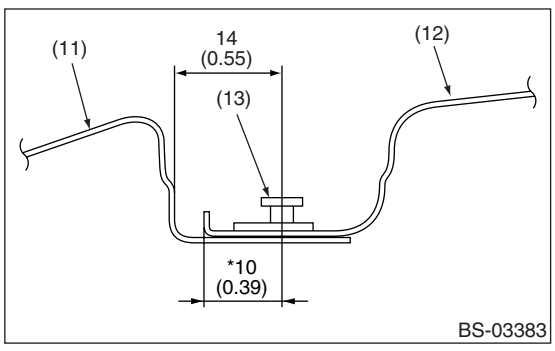
- Model with roof rail



- T stud welding



- T stud basic cross section



(1) ϕ5.2 mm (0.20 in) hole (Roof moulding reference pop rivet hole)
(2) Shape for deciding the roof moulding installation position
(3) 8.1×10.2 mm (0.32×0.40 in) elongated hole (for carrier bracket installation)
(4) ϕ8.1 mm (0.32 in) hole (for carrier bracket installation)
(5) ϕ6.5 mm (0.26 in) hole (for roof rail and carrier bracket installation)
(6) ϕ8.1 mm (0.32 in) hole (for carrier bracket installation)
(7) 8.1×10.2 mm (0.32×0.40 in) elongated hole (for roof rail installation)
(8) This surface shall be kept flat as it becomes the mating face with the clip.
(9) ϕ8.1 mm (0.32 in) hole (for roof rail installation)
(10) Arc welding for both plate ends (reference)
(11) Side panel outer
(12) Roof panel
(13) T stud

* Indicates dimensions for reference.