

BODY

SECTION BF

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BF

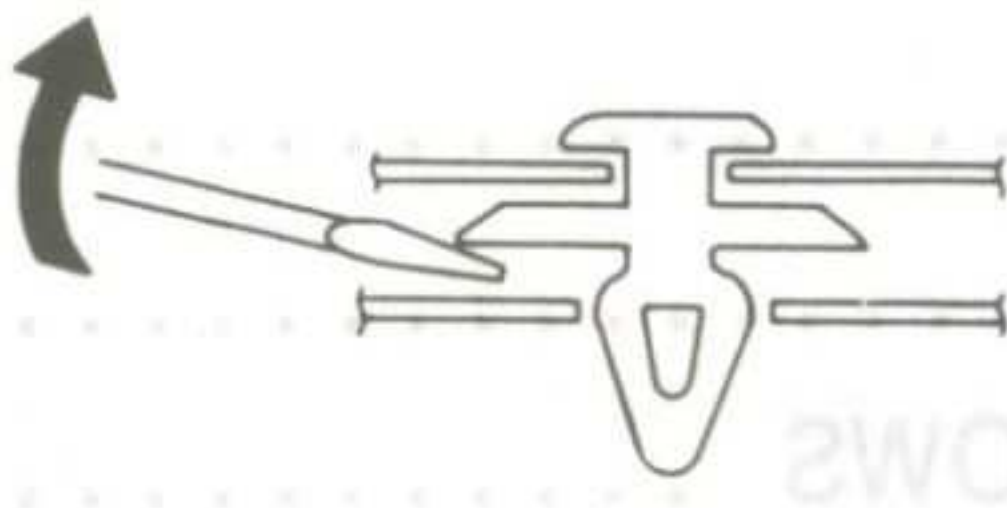
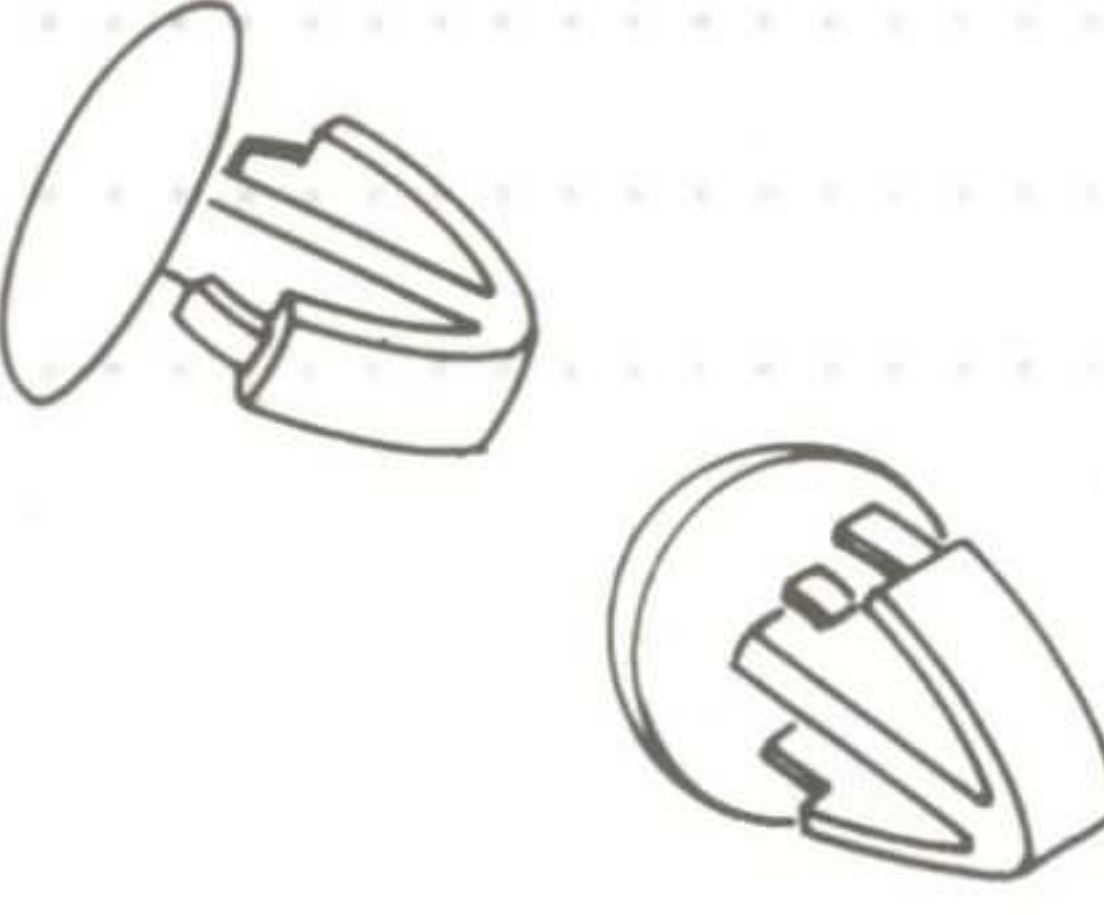
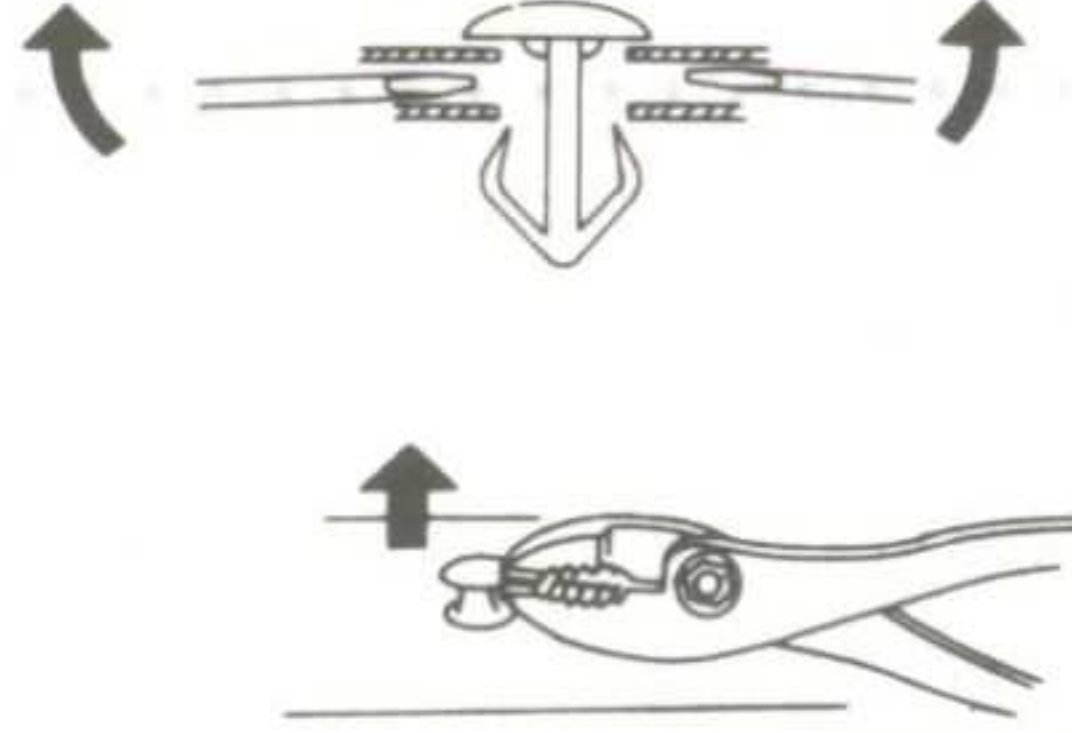
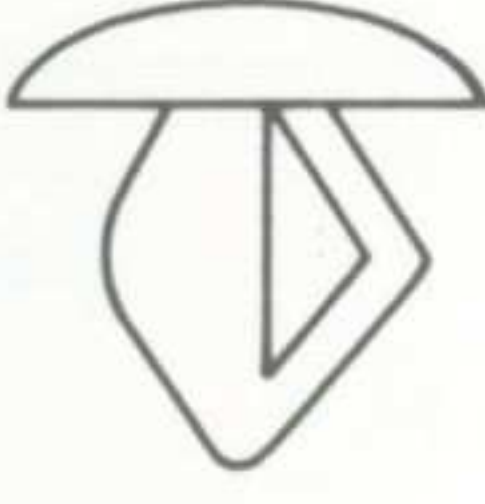
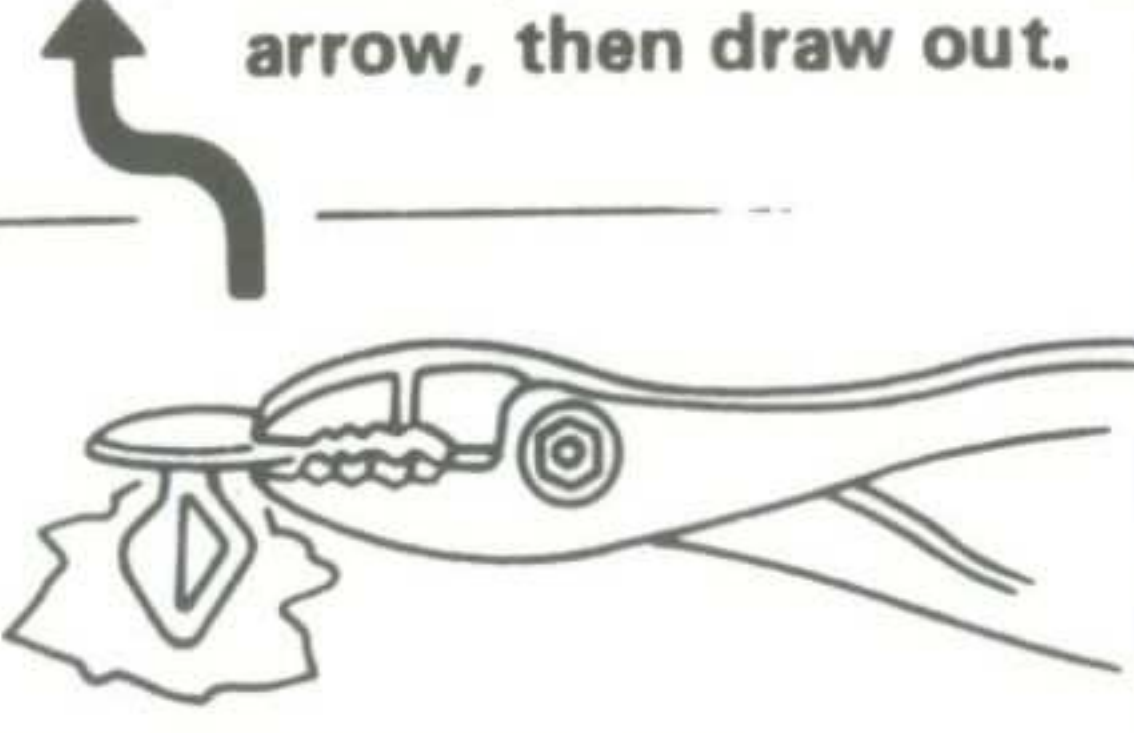
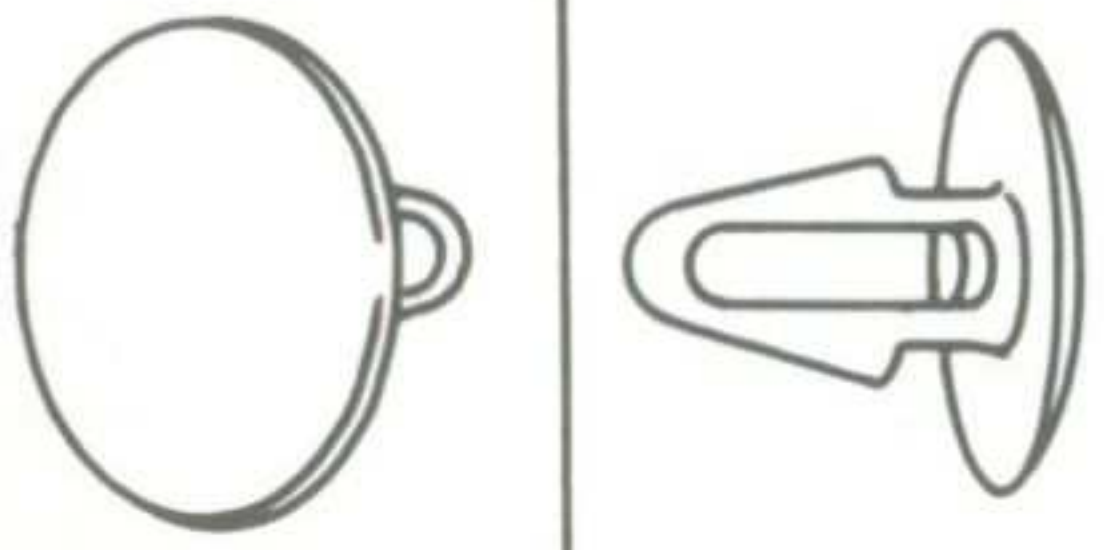
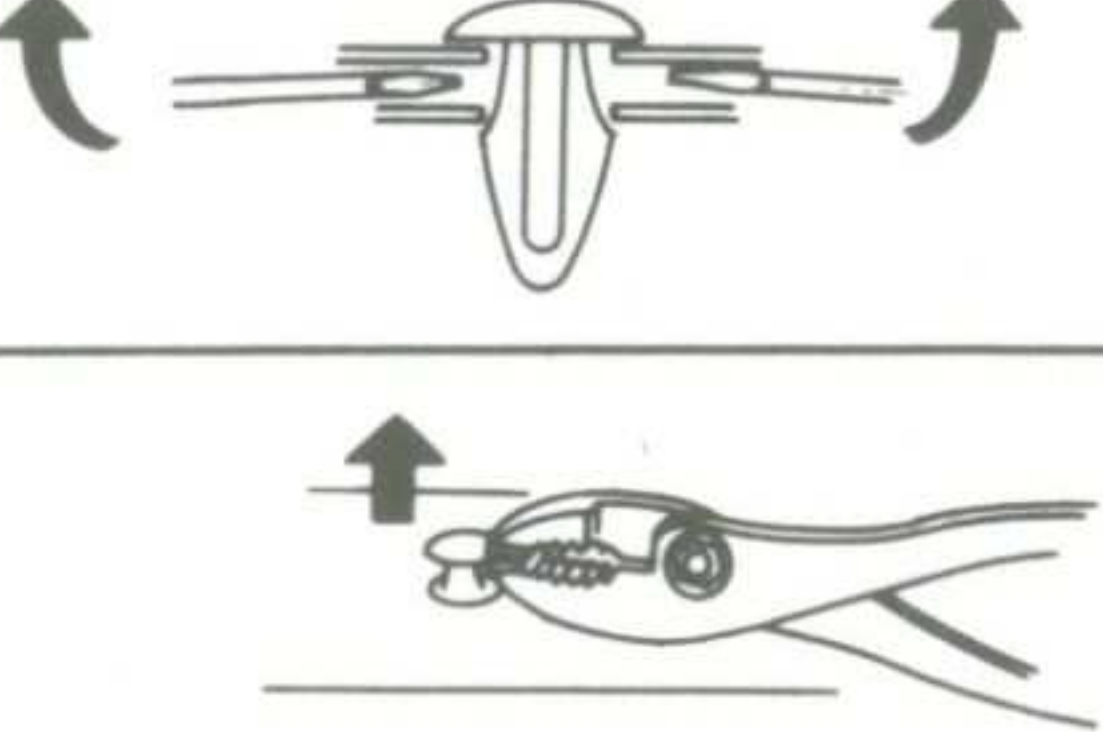
GENERAL SERVICING

Precautions

- When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratches.
- Handle trim, molding, instruments, grille, etc. carefully during removing or installation. Be careful not to soil or damage them.
- Apply sealing compound where necessary while installing parts.
- When applying sealing compound, be careful that the sealing compound does not protrude from parts.
- When replacing any metal parts (for example body outer panel, members, etc.), be sure to take rust prevention measures.

Clip and Fastener

- Clips and fasteners in BF section correspond to the following numbers and symbols.

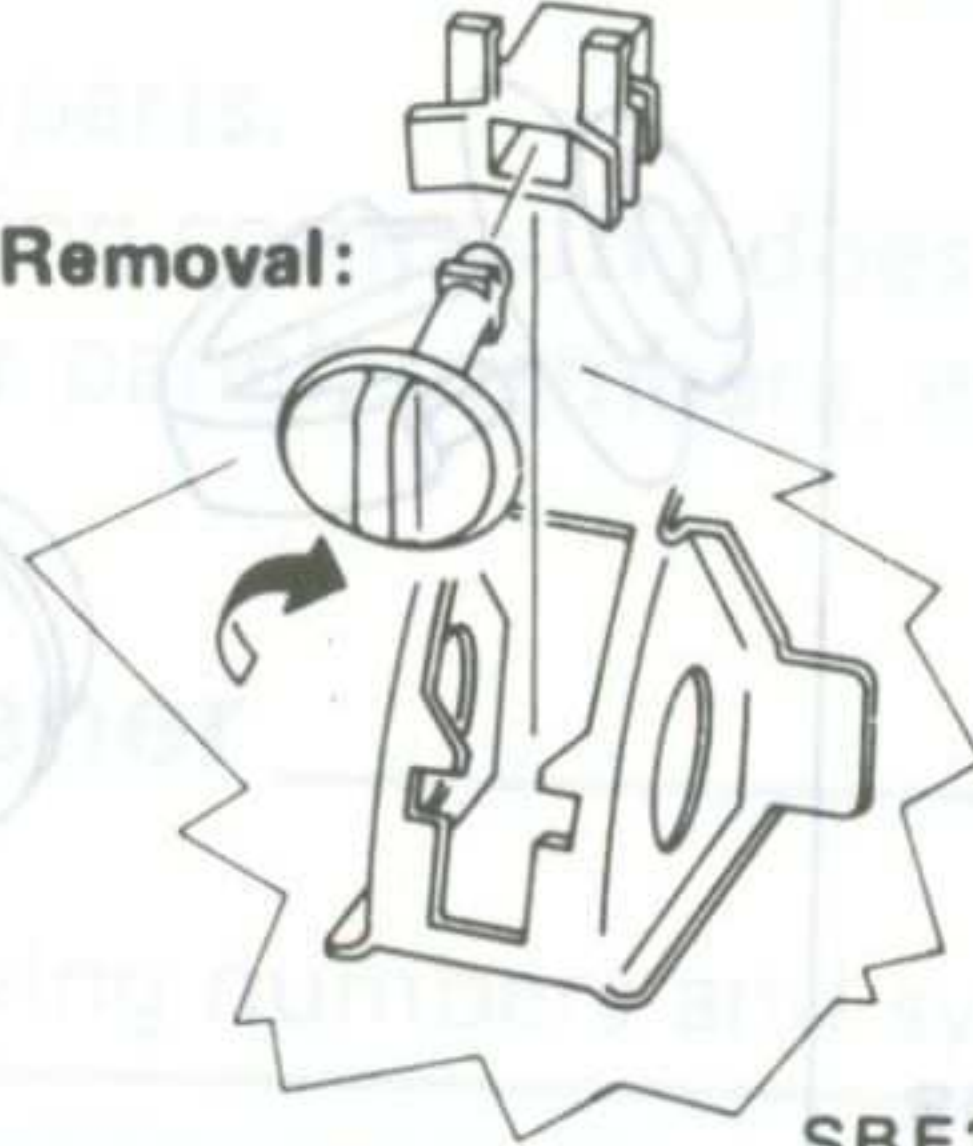
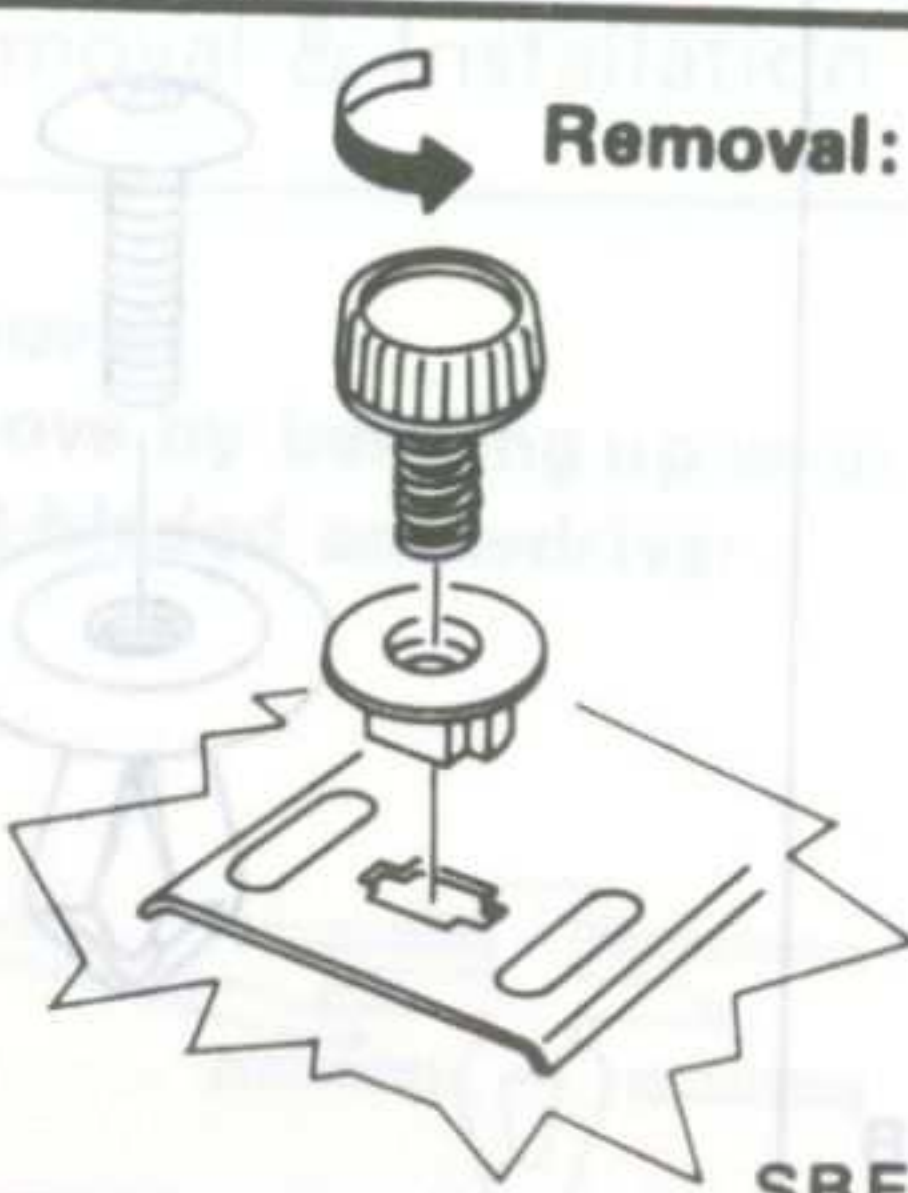
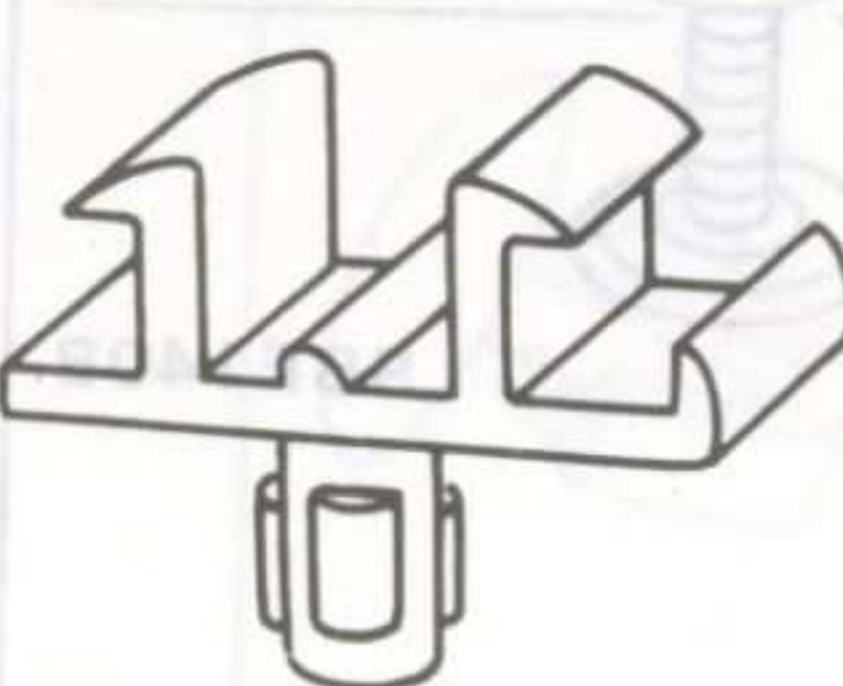
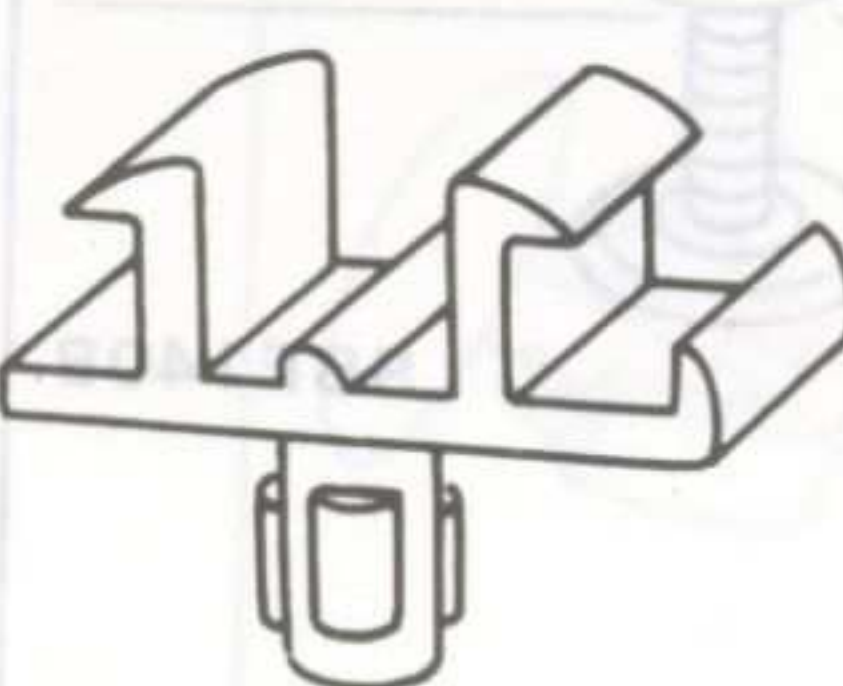
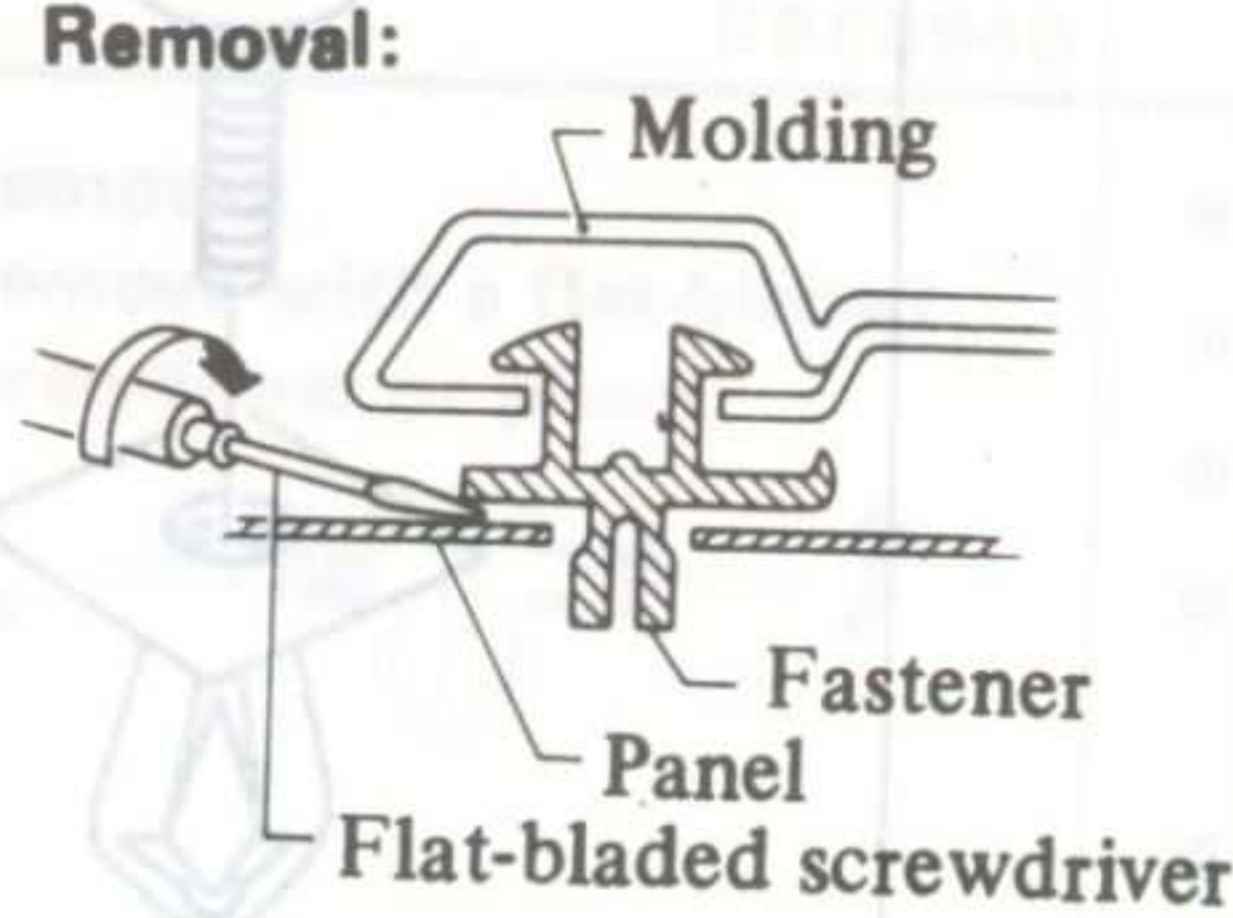
No.	Symbol	Shape	Removal & Installation	Location
C101	 SBF092B	 SBF109B	Removal: Remove by bending up with a flat-bladed screwdriver.  SBF094B	• Front door trim • Back door trim • L.H. rear side trim • Side window rear corner molding
C103	 SBF110B	 SBF111B	Removal: Remove with a flat-bladed screwdriver or pliers.  SBF112B	• Front bumper • Rear bumper • Dash side finisher • Front pillar outer garnish • Front floor carpet
C105	 SBF141B	 SBF142B	Removal: Tilt clip as indicated by arrow, then draw out.  SBF143B	• Luggage floor mat
C106	 SBF089B	 SBF090B	Removal: Remove with a flat-bladed screwdriver or pliers.  SBF091B	• Door weatherstrip • Body side weatherstrip

Clip and Fastener (Cont'd)

BF-3

GENERAL SERVICING

Clip and Fastener (Cont'd)

No.	Symbol	Shape	Removal & Installation	Location
CF104				• Rear trim
CF105				• Spare tire cover
CF106				• Back door upper molding
CR101				• Front door lock system • Back door lock system

BODY END AND DOOR

- When removing and installing hood or back door, place a cloth or other padding on hood or back door corners to avoid scratching vehicle body.
- When removing clip or fastener, refer to CLIP & FASTENER.
- Apply sealing compound where necessary when installing parts.

Front End

- Hood adjustment: Adjust at hinge portion.
- Hood lock adjustment: After adjusting, check hood lock control operation. Apply a coat of grease to hood locks engaging mechanism.
- Hood opener: Do not attempt to bend cable forcibly. Doing so increases effort required to unlock hood.
- Bumper fascia: It is made of plastic, so do not use excessive force and take care to keep oil away from it.

WARNING:

- a. Be careful not to scratch hood stay when installing hood. A scratched stay may cause gas leakage.
- b. The contents of the hood stay are under pressure. Do not take apart, puncture, apply heat or allow fire near it.

Bumper shock absorber inspection

1. Check shock absorber for oil leakage, cracks or deformation.
2. Function of shock absorber;
 - (1) Place vehicle in front of a wall.
Apply parking brake and place tire stoppers securely.
 - (2) Place a jack between bumper and wall; jack is positioned squarely with bumper directly in line with shock absorber to be checked.
 - (3) Apply pressure to compress shock absorber at least 10.0 mm (0.394 in).

Use a jack with capacity of more than 600 kg (1,323 lb).

- (4) Make sure bumper returns to its original position when jack is retracted. Replace if necessary.

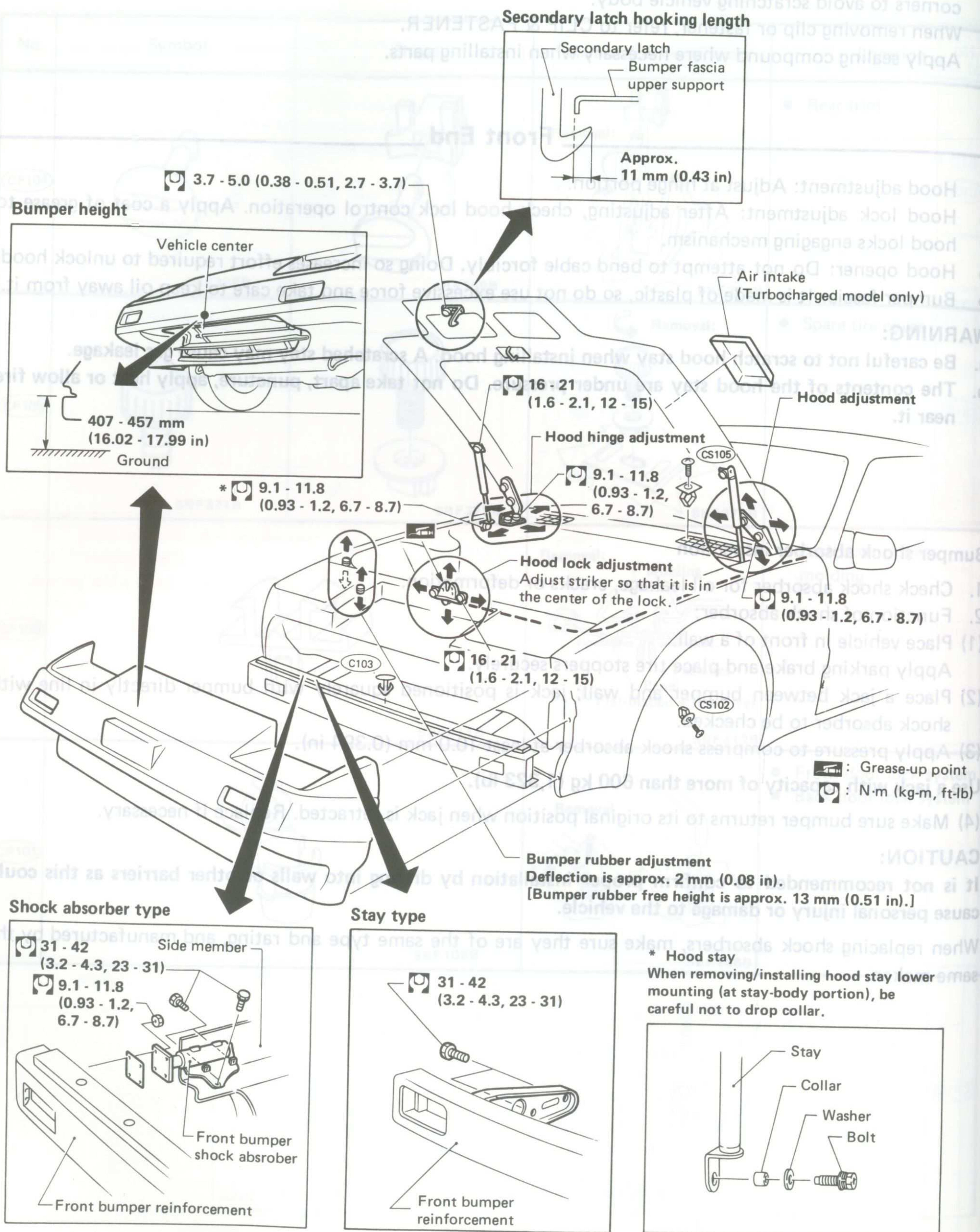
CAUTION:

It is not recommended to confirm proper installation by driving into walls or other barriers as this could cause personal injury or damage to the vehicle.

When replacing shock absorbers, make sure they are of the same type and rating, and manufactured by the same maker.

BODY END AND DOOR

Front End (Cont'd)



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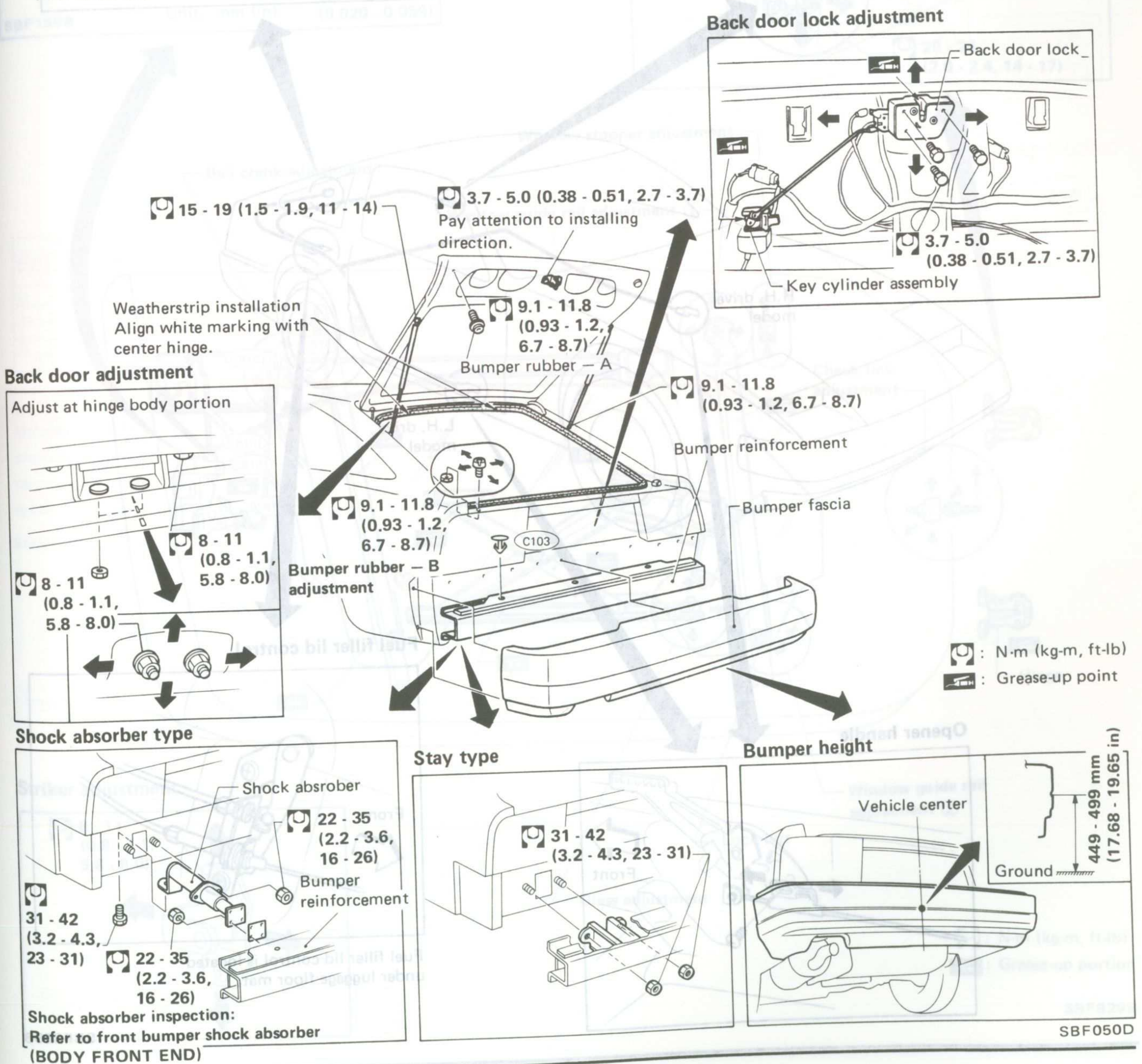
BODY END AND DOOR

Rear End

- Back door adjustment: Adjust at hinge for proper back door fit.
- Lock: Adjust lock so that it is in the center of the striker. After adjusting, check back door lock operation.
- Bumper fascia: It is made of plastic, so do not use excessive force and take care to keep oil away from it.
- When adjusting or removing/installing back door or removing/installing back door lock system, check theft warning system operation.

WARNING:

- Be careful not to scratch back door stay when installing back door. A scratched stay may cause gas leakage.
- The contents of the back door stay are under pressure. Do not take apart, puncture, apply heat or allow fire near it.

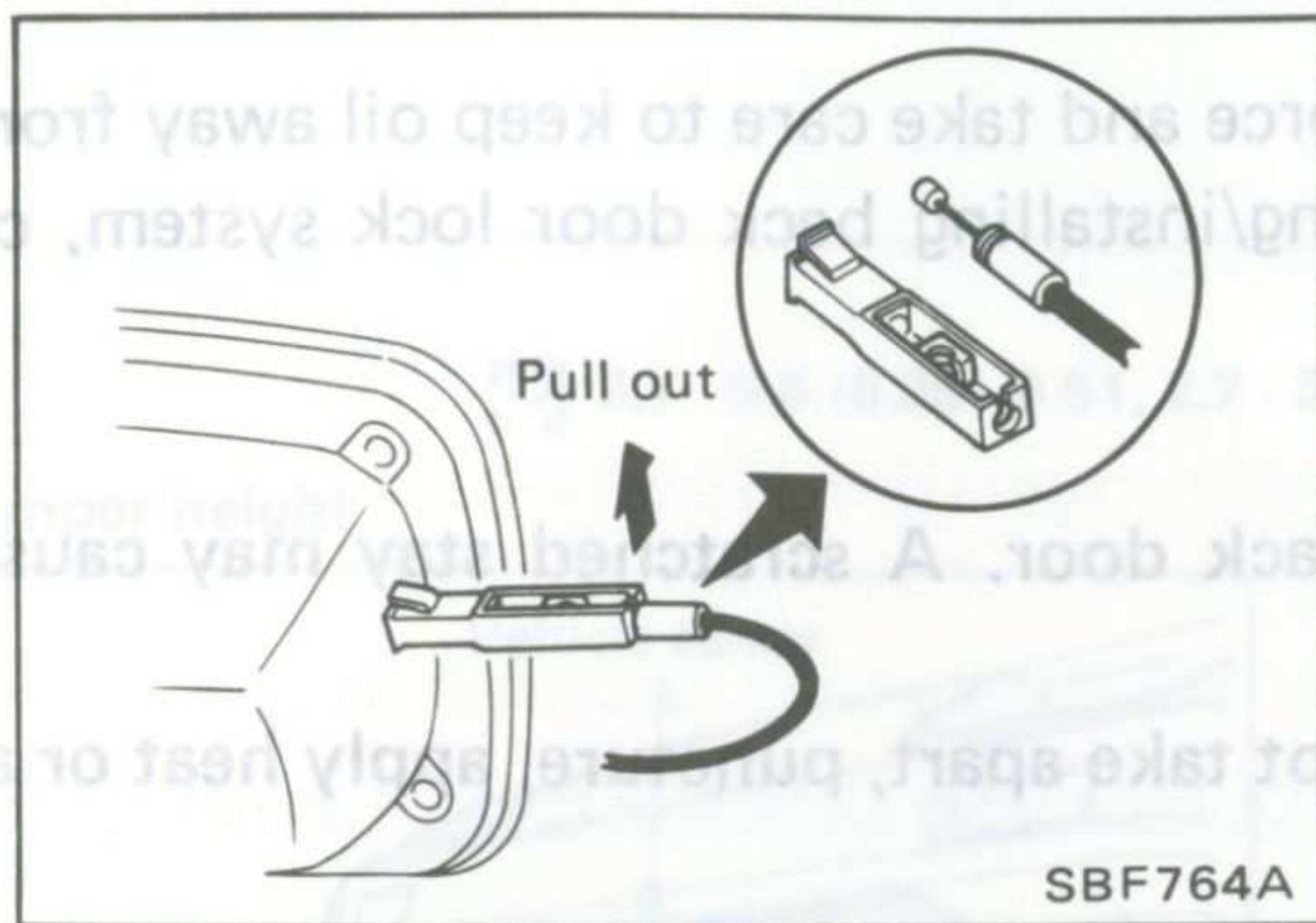


BODY END AND DOOR

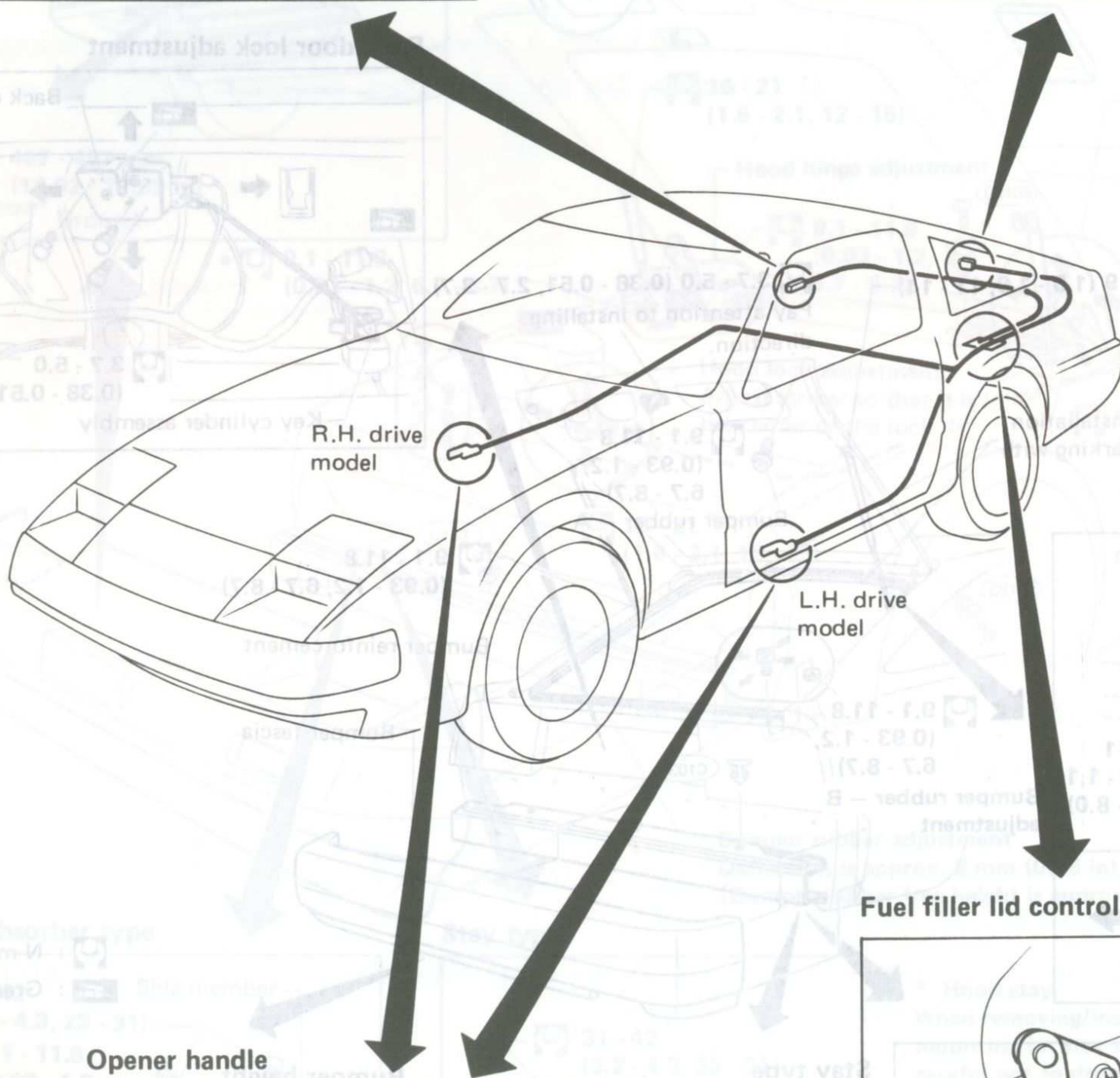
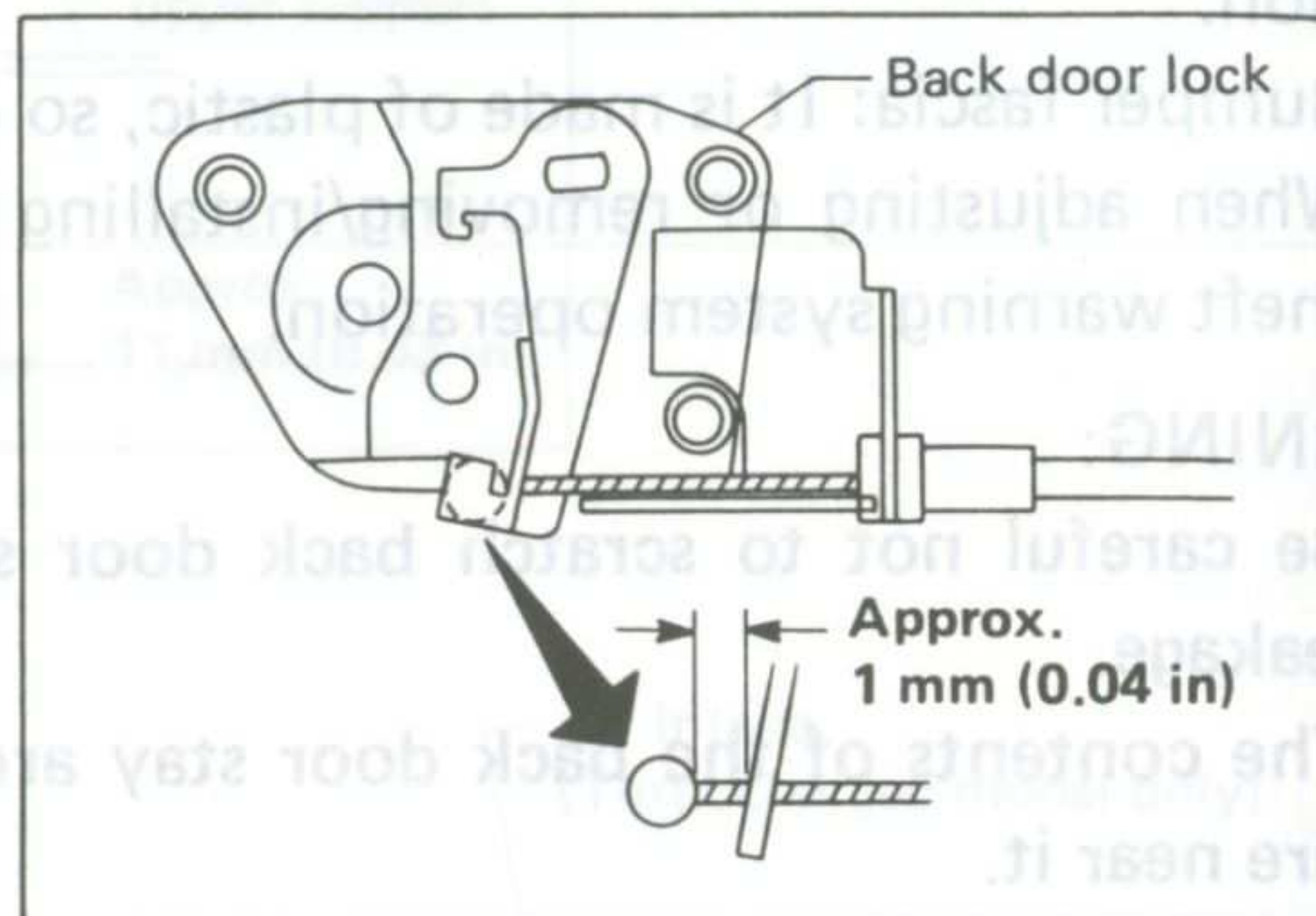
Back Door and Fuel Filler Lid Opener

- Opener cable: Do not attempt to bend cable using excessive force.
- After installation, make sure that back door and fuel filler lid open smoothly.

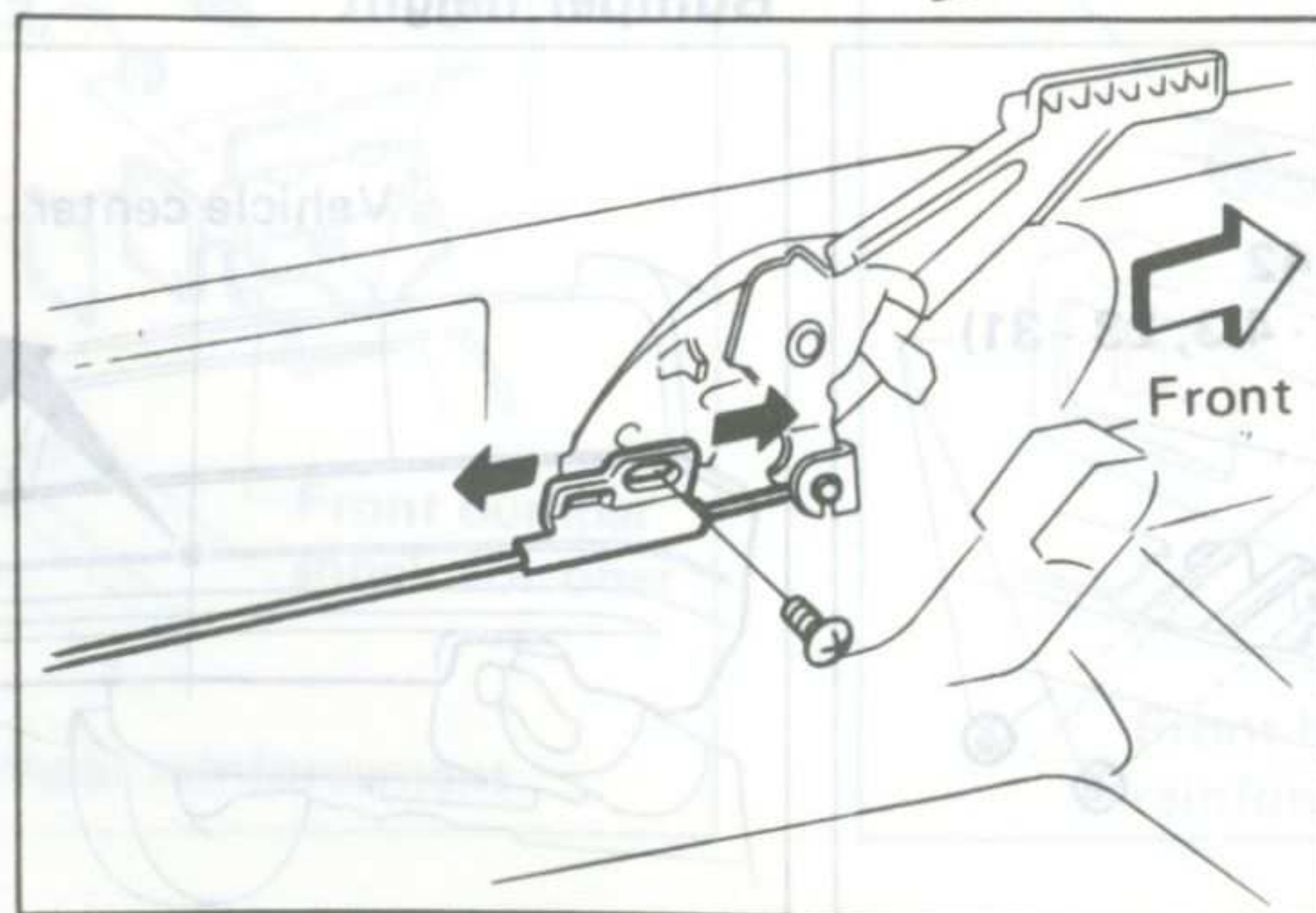
Fuel filter lid opener



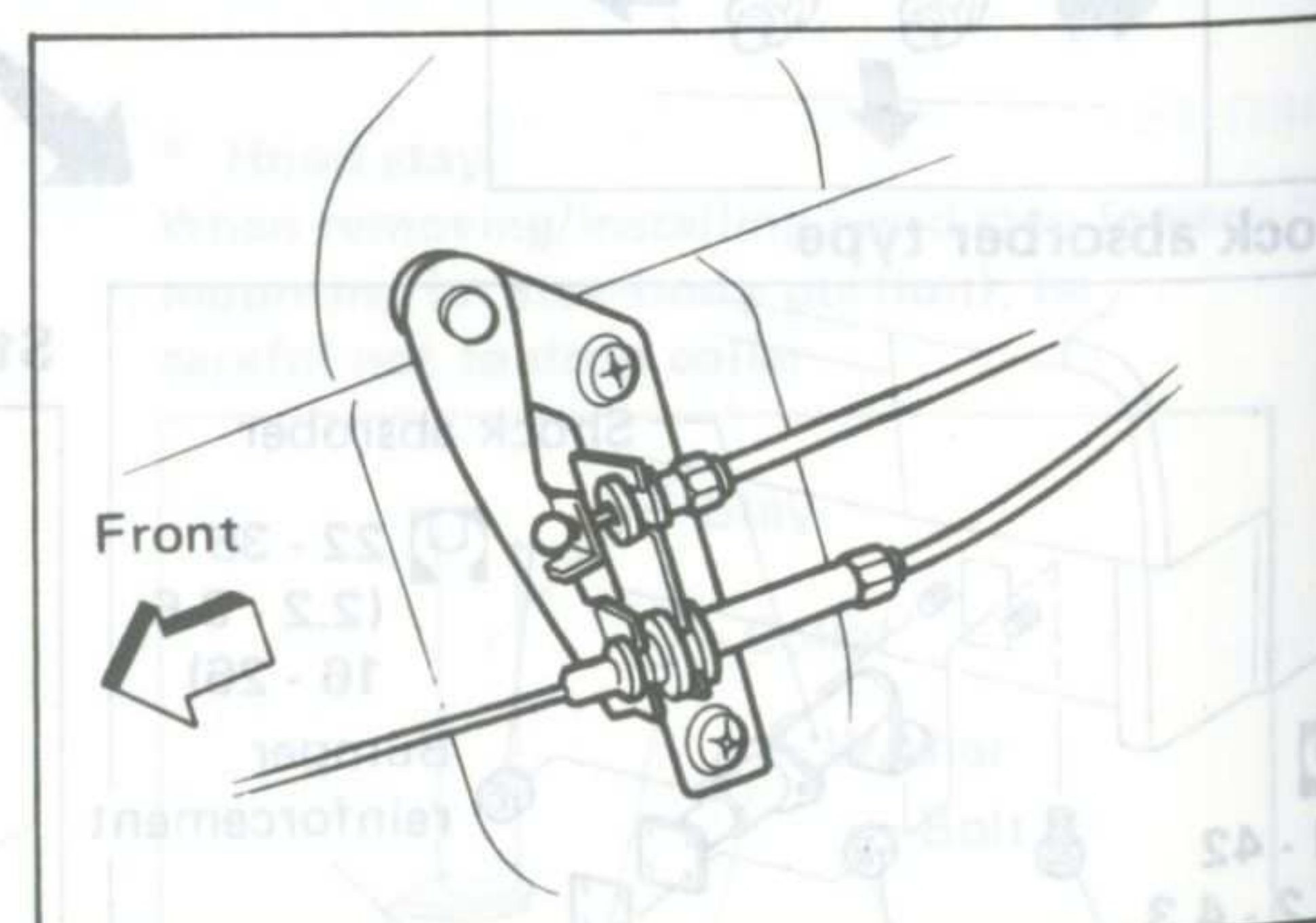
Back door lock



Opener handle



Fuel filler lid control



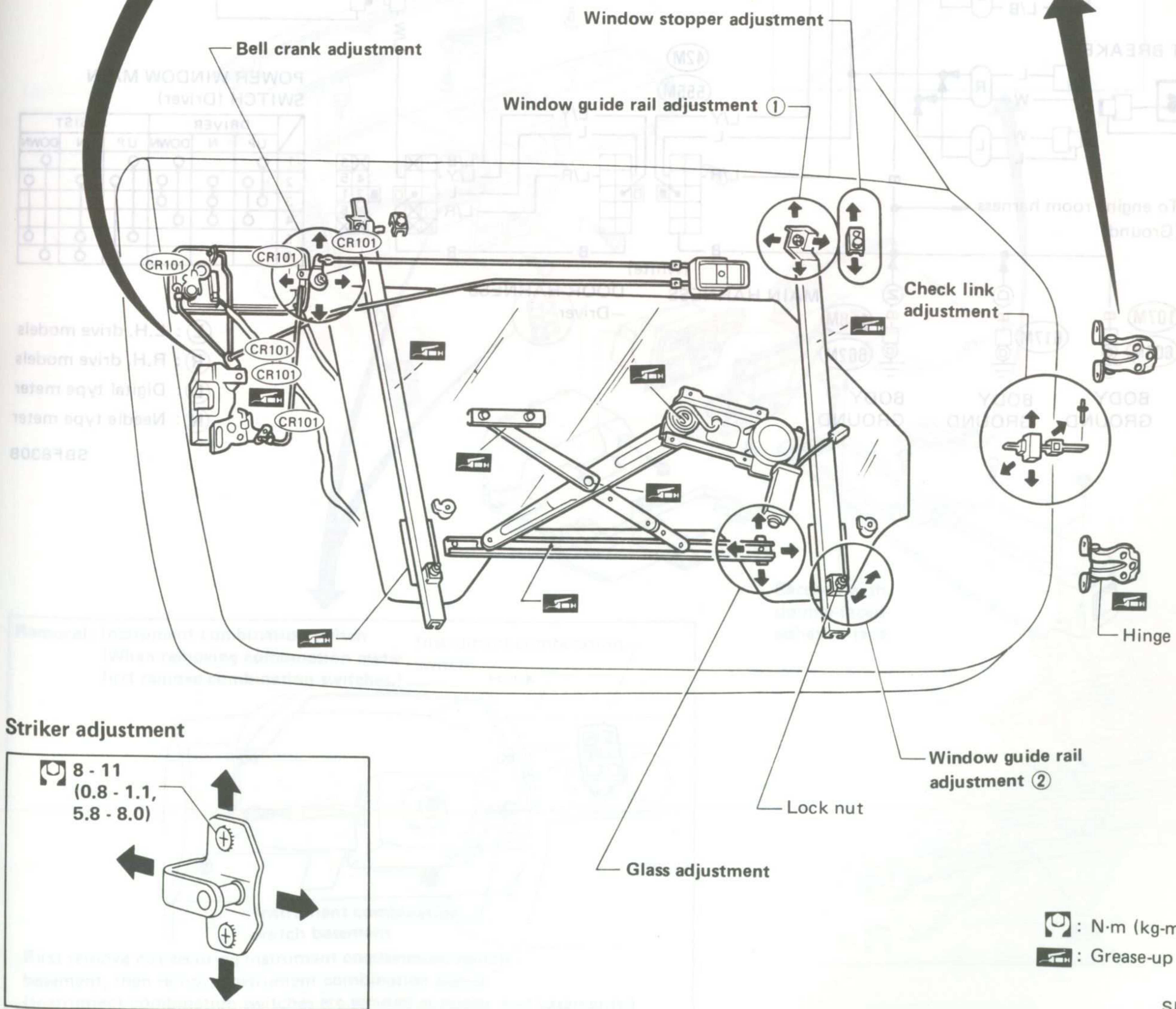
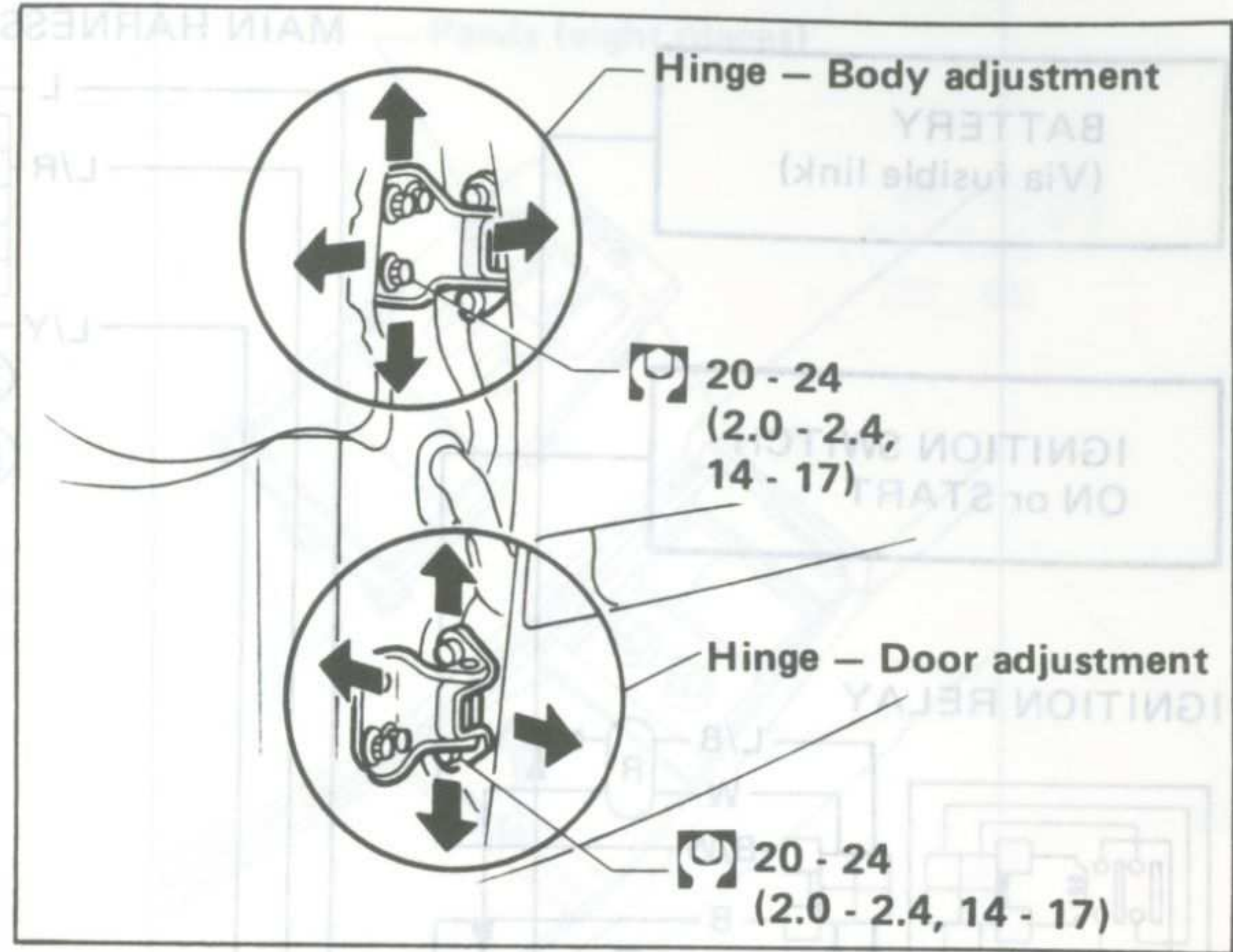
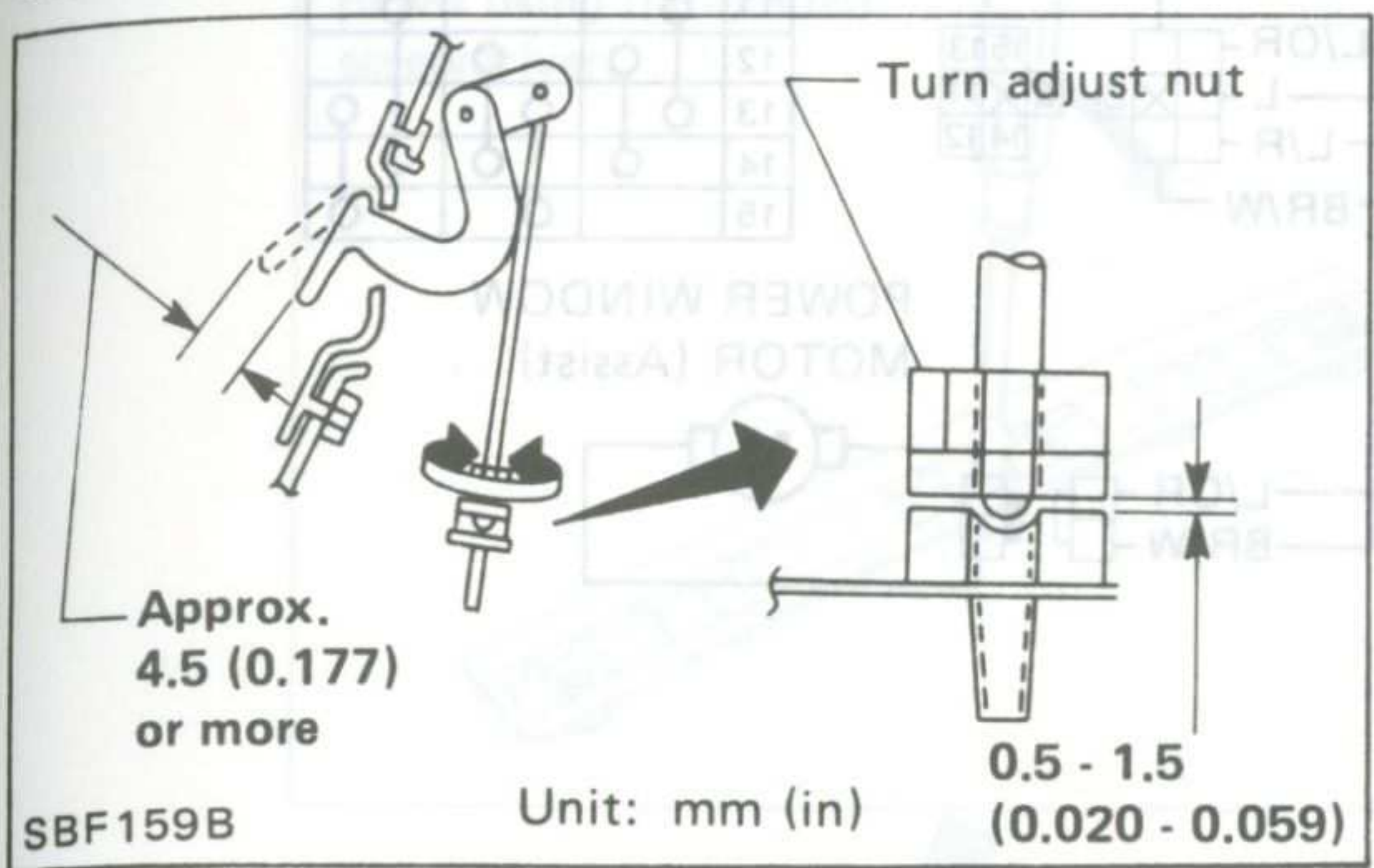
Fuel filler lid control is located under luggage floor mat.

BODY END AND DOOR

Front Door

- After adjusting door or door lock, check door lock operation.

Outside handle adjustment



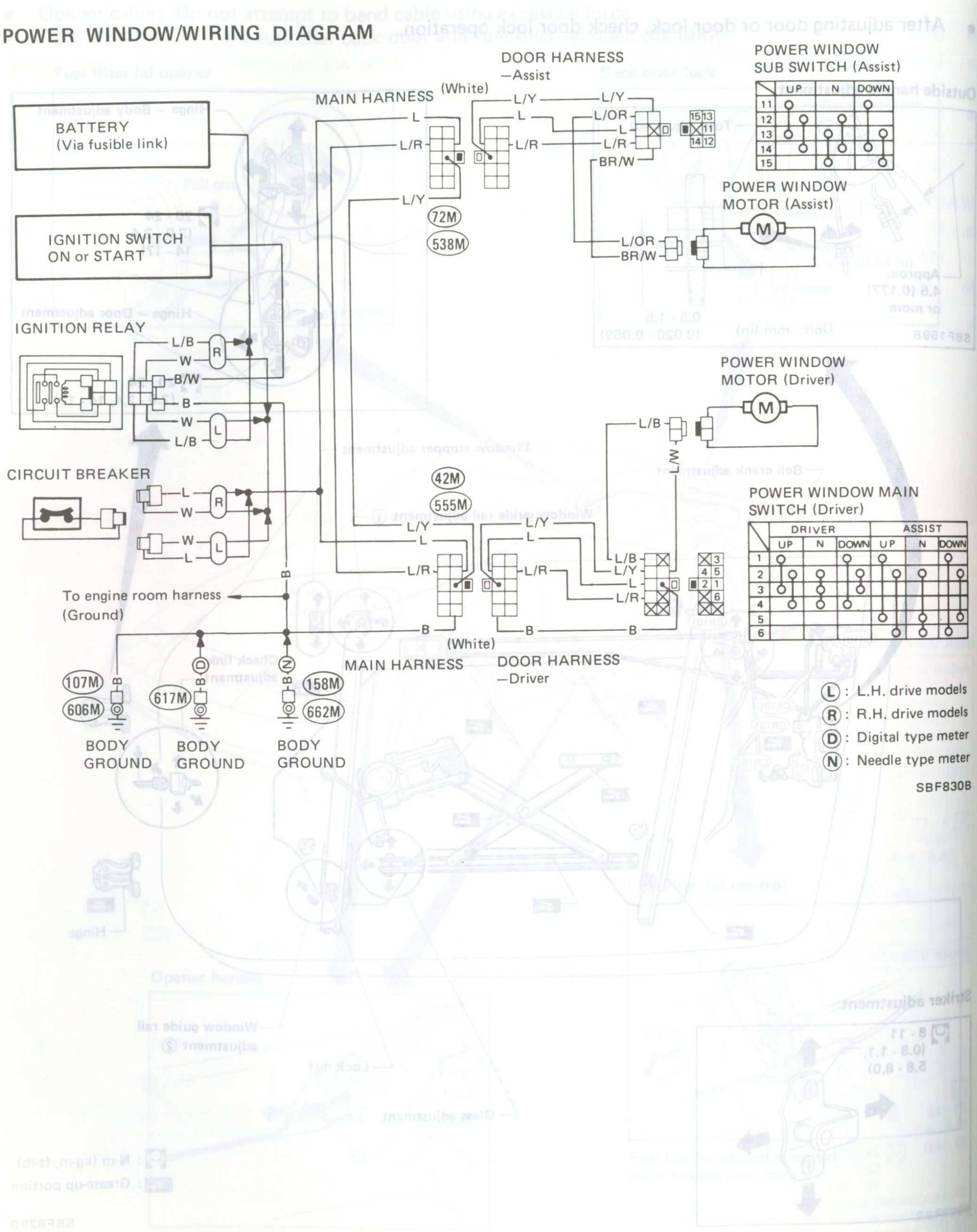
 : N·m (kg-m, ft-lb)

 : Grease-up portion

SBF829B

Front Door (Cont'd)

POWER WINDOW/WIRING DIAGRAM

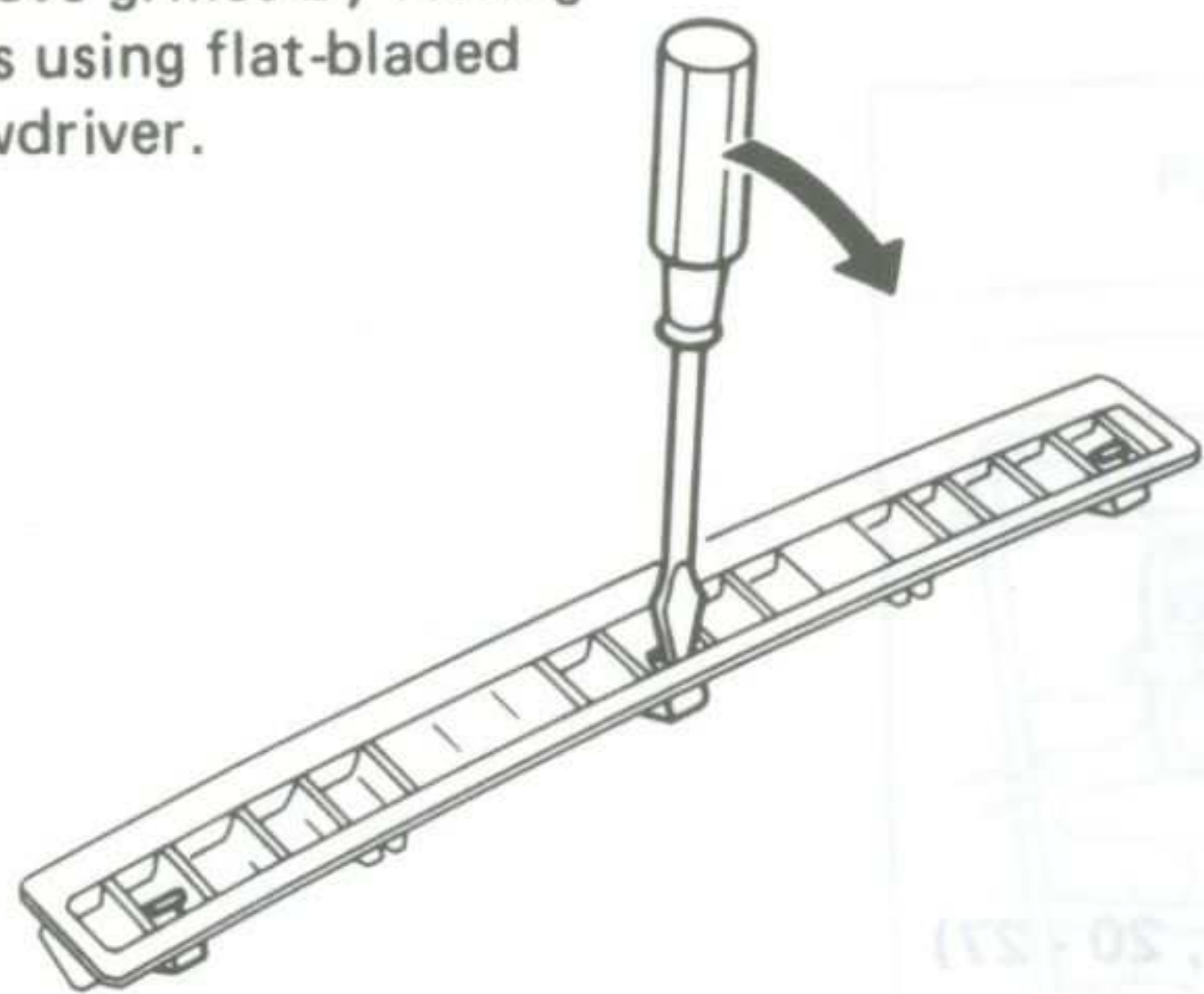


SBF830B

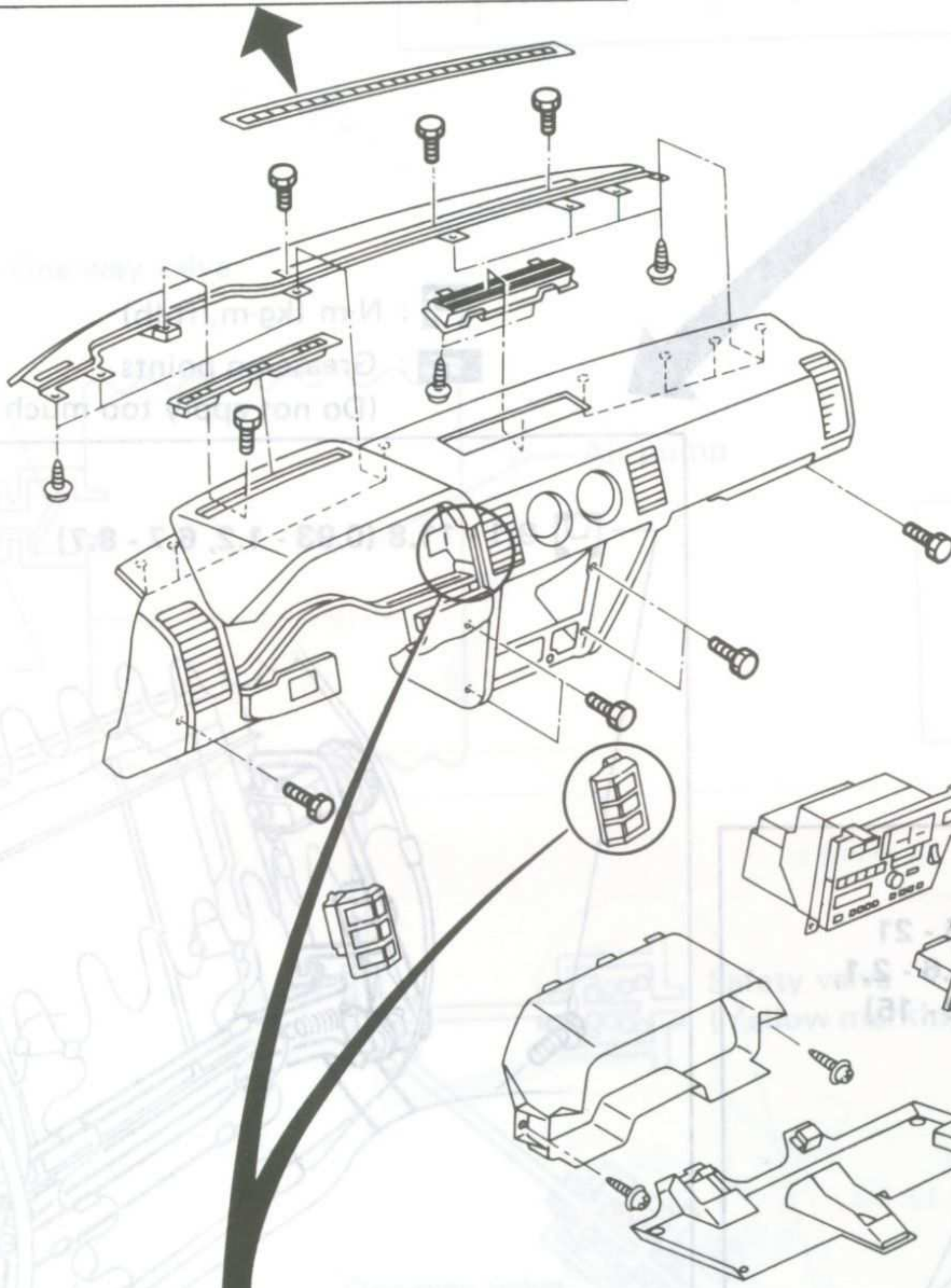
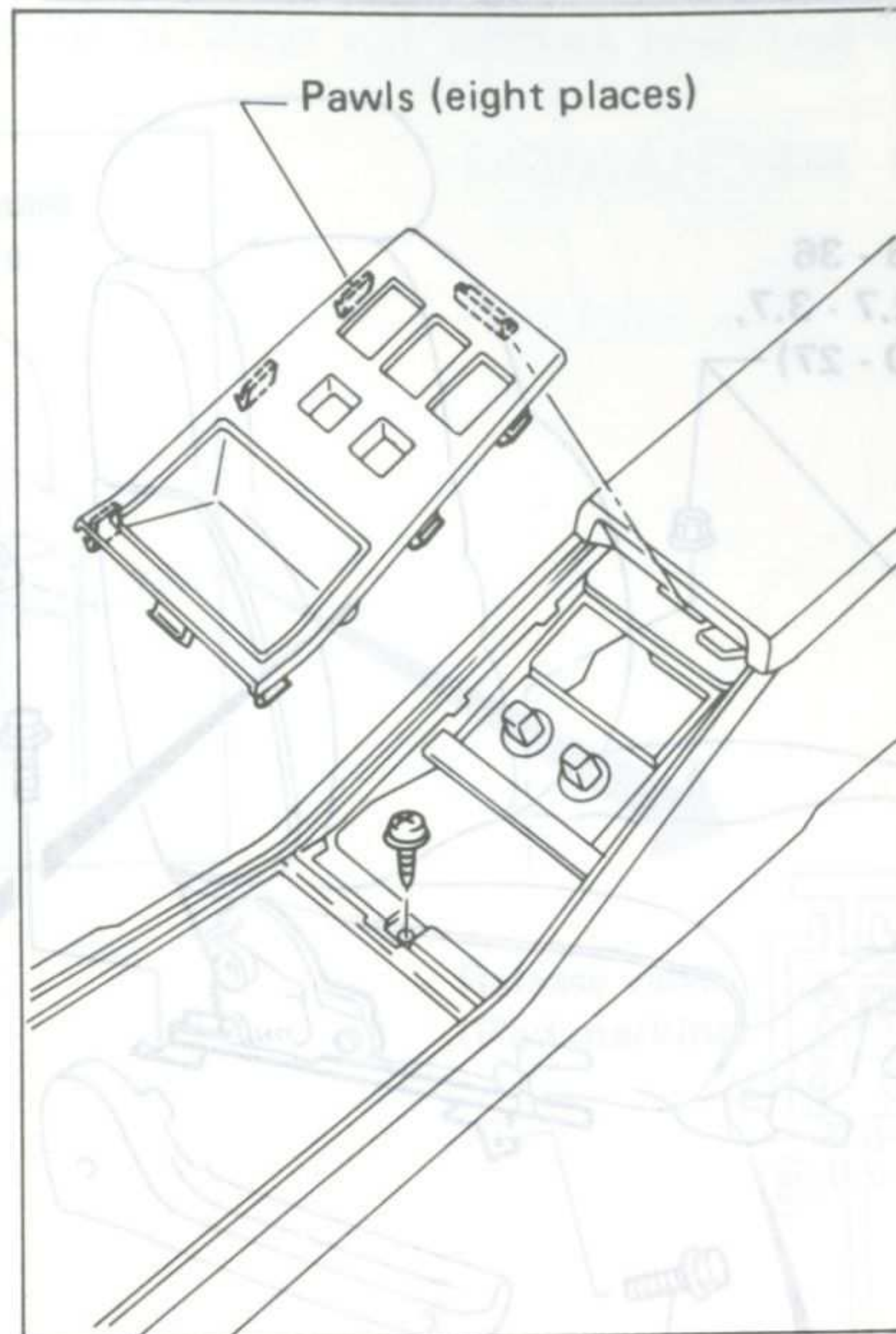
INSTRUMENT

- These parts are made of plastic, so do not use excessive force and be careful not to damage them.

Remove grilles by raising
pawls using flat-bladed
screwdriver.

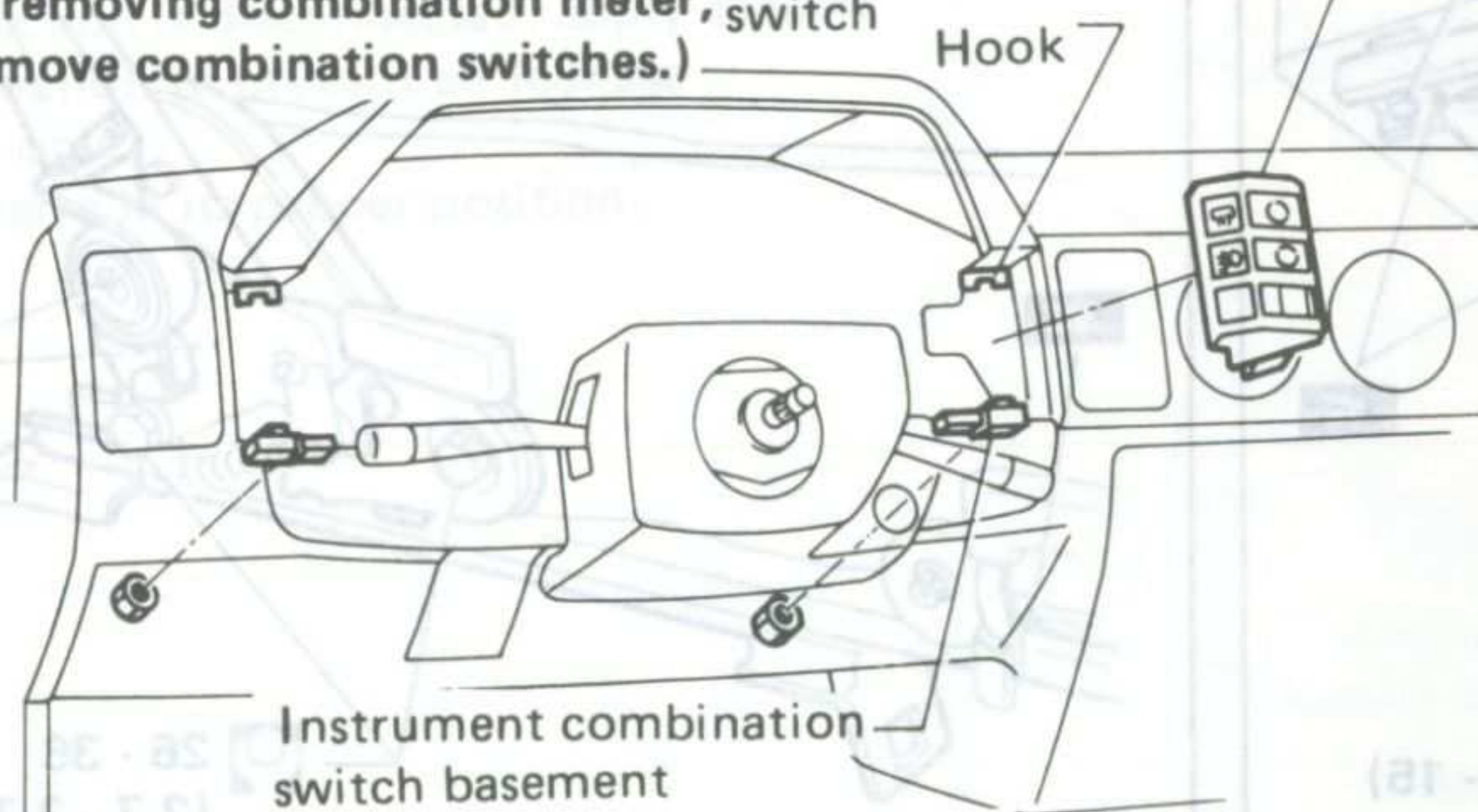


Pawls (eight places)



Secured with
double-faced
adhesive tape

Removal: Instrument combination switch
(When removing combination meter, switch
first remove combination switches.)



First remove nut securing instrument combination switch
basement, then remove instrument combination switch.
(Instrument combination switches are secured at hooks and basements.)

SBF385B

SEAT

- When removing or installing the seat trim, carefully handle it to keep dirt out and avoid damage.

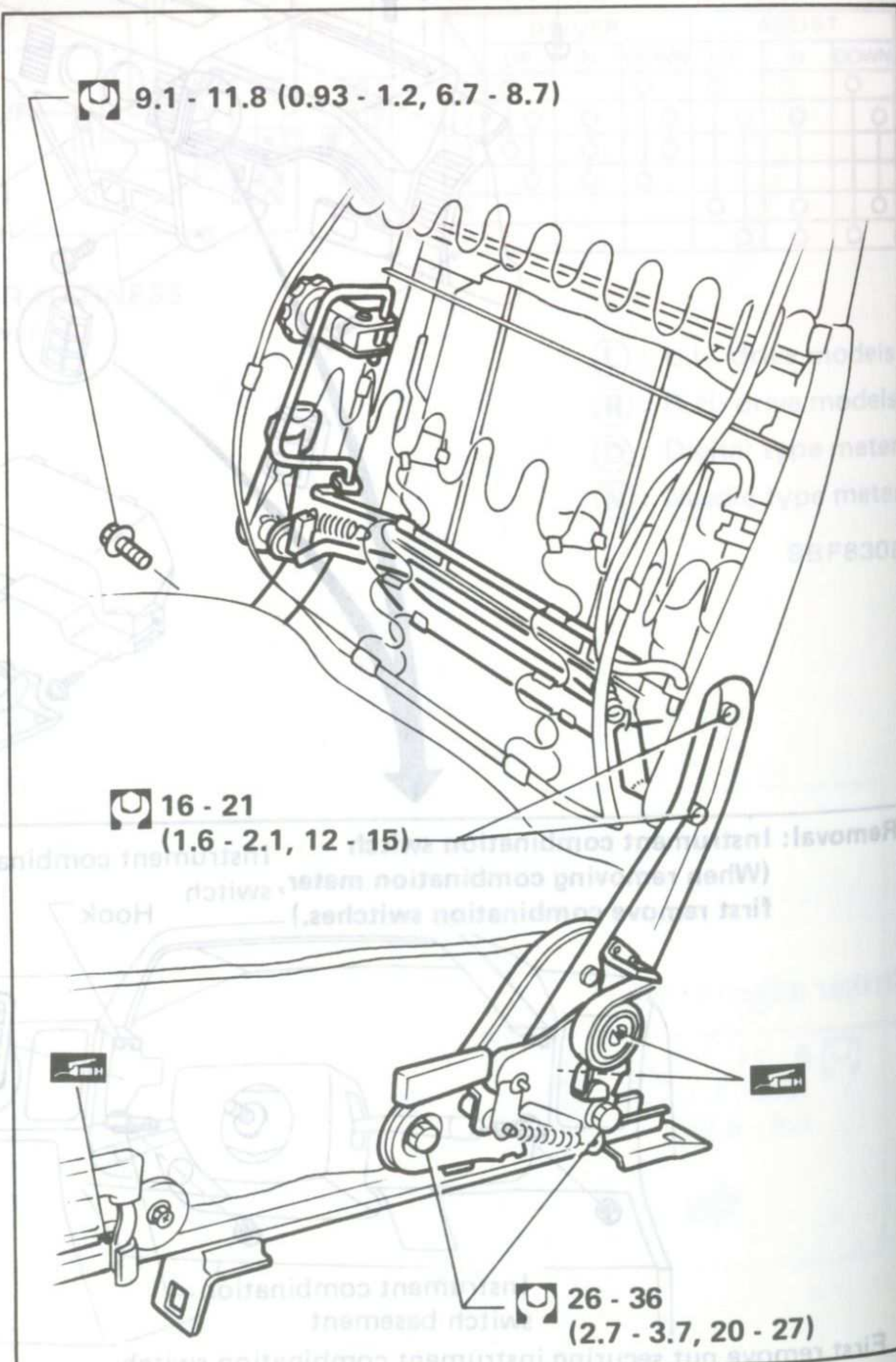
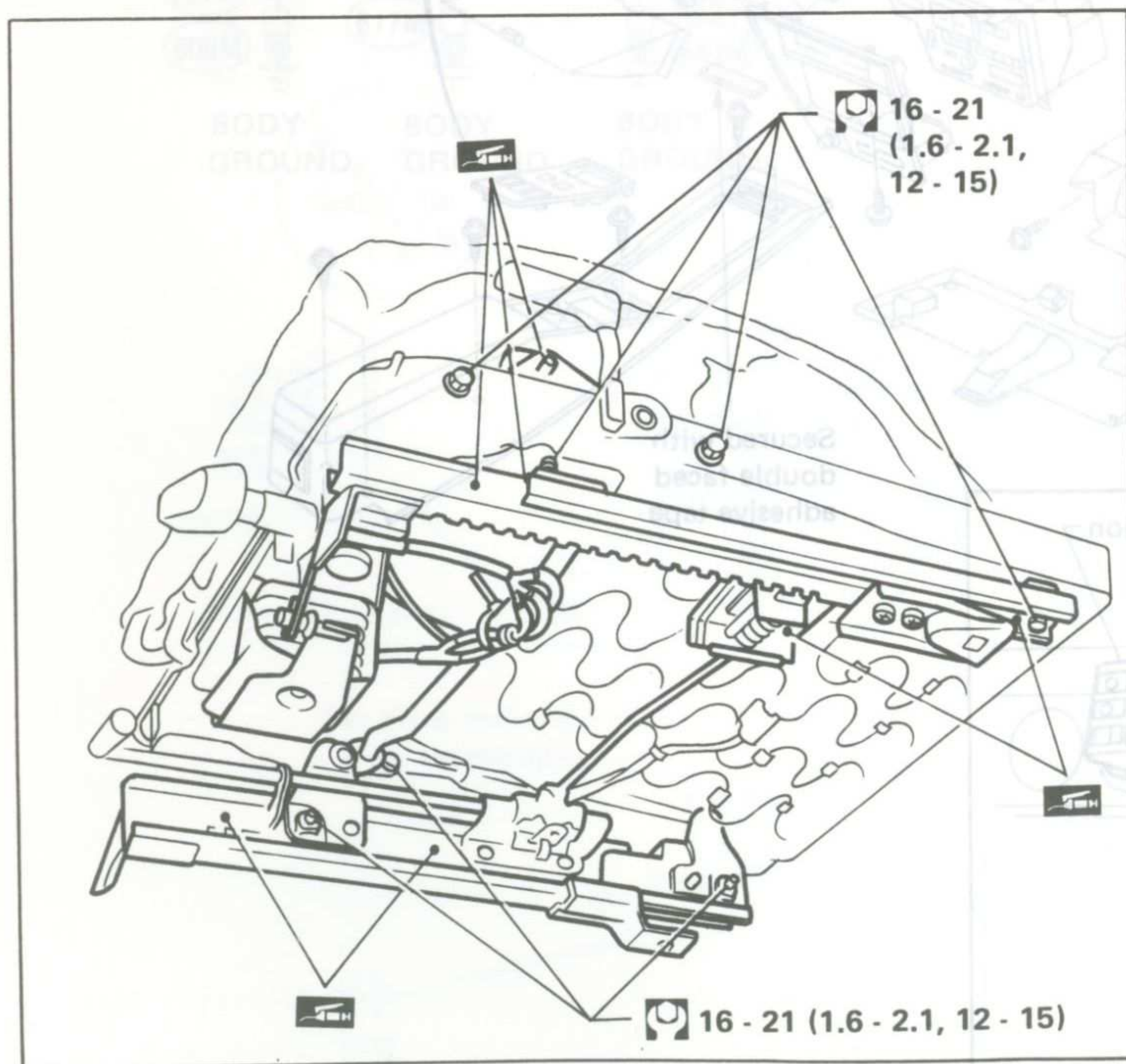
Front Driver Seat



: N·m (kg-m, ft-lb)

: Grease-up points

(Do not apply too much grease as it will drip.)

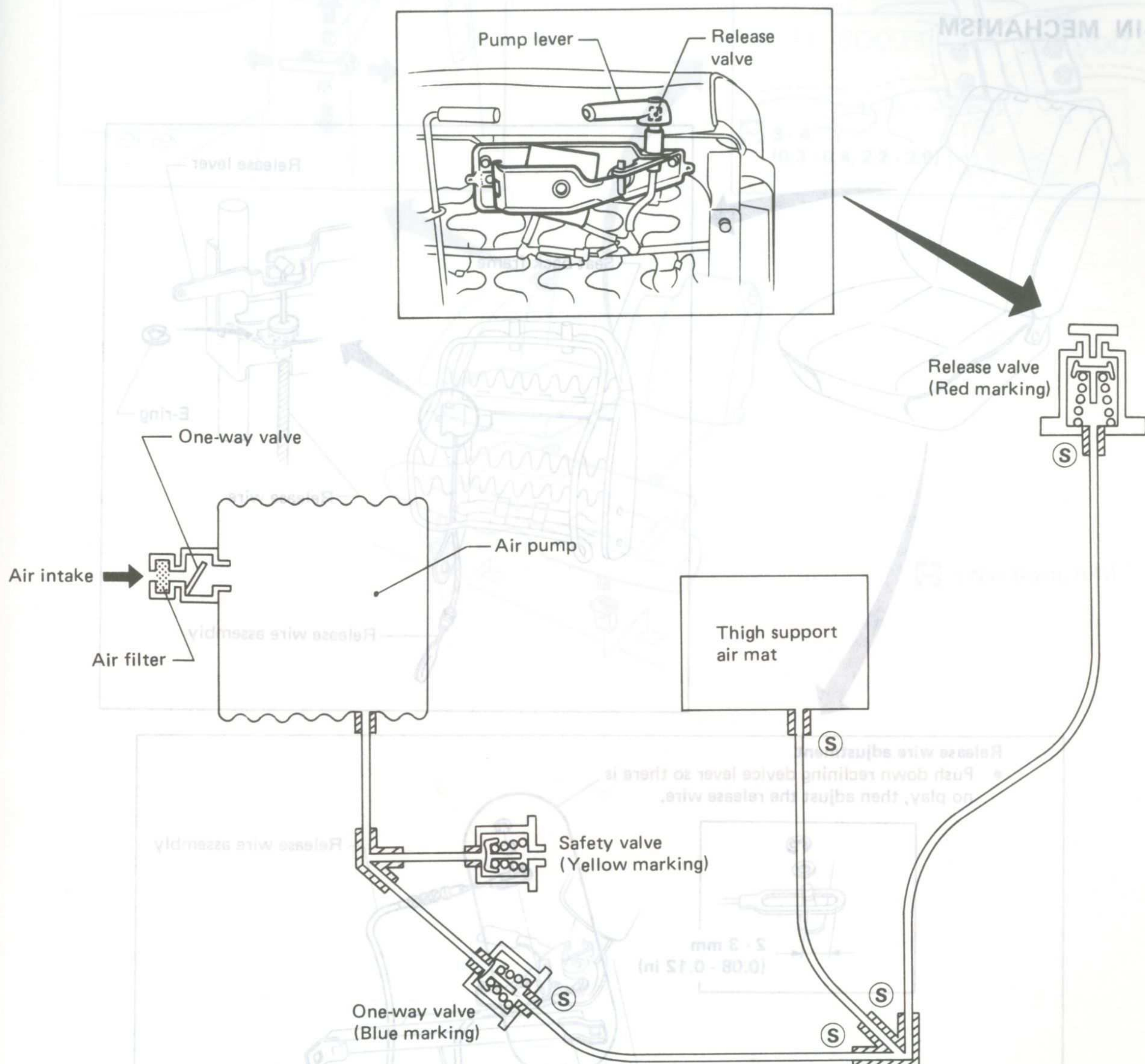


SBF831B

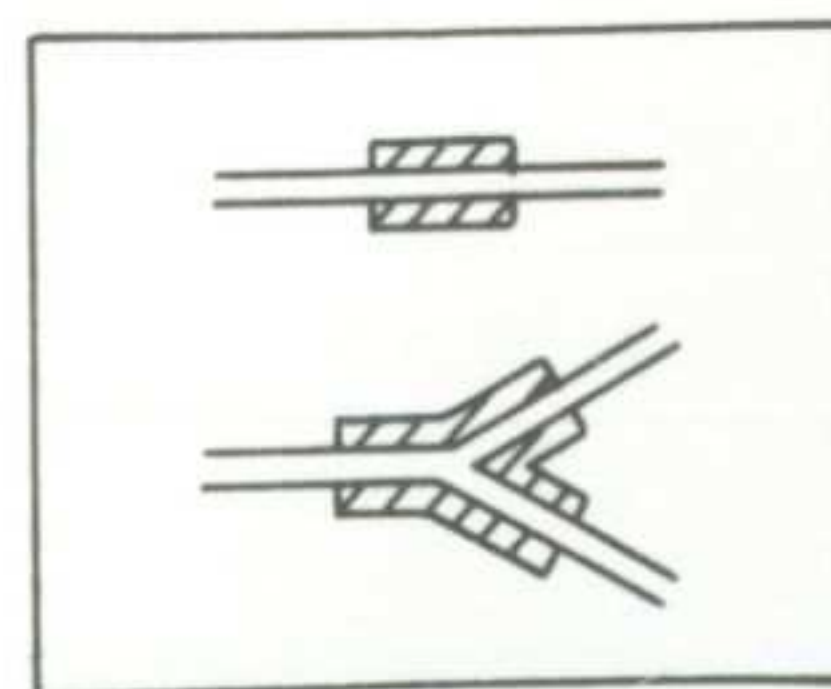
SEAT

Front Driver Seat (Cont'd)

Thigh support/Air diagram



- If hose connection is disconnected, apply sealant to hose connection to prevent air leakage (S portion only).
- Install each valve in its proper position.



: Hose connection

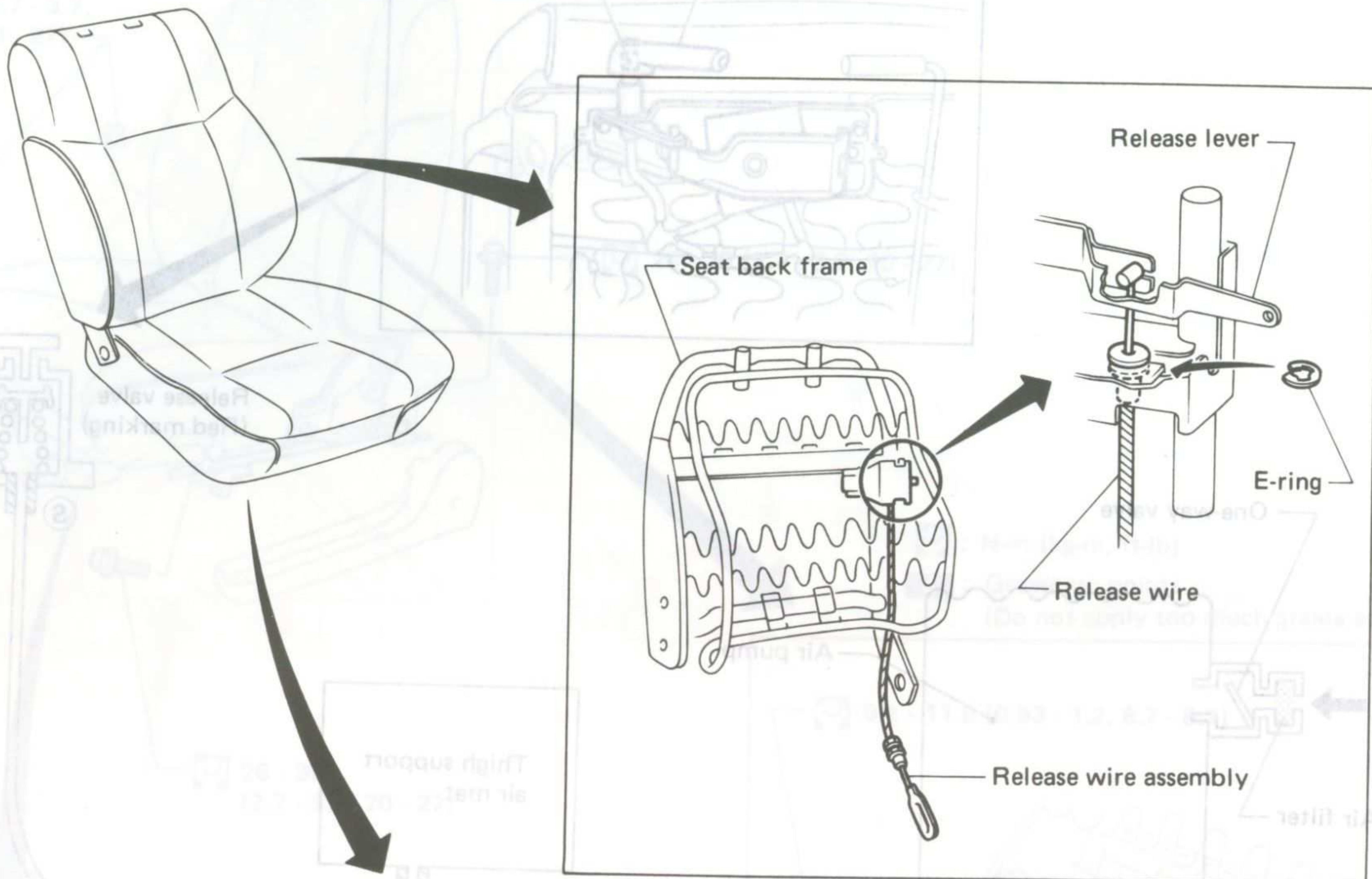
(S) : Sealant portion

SEAT

Front Assist Seat

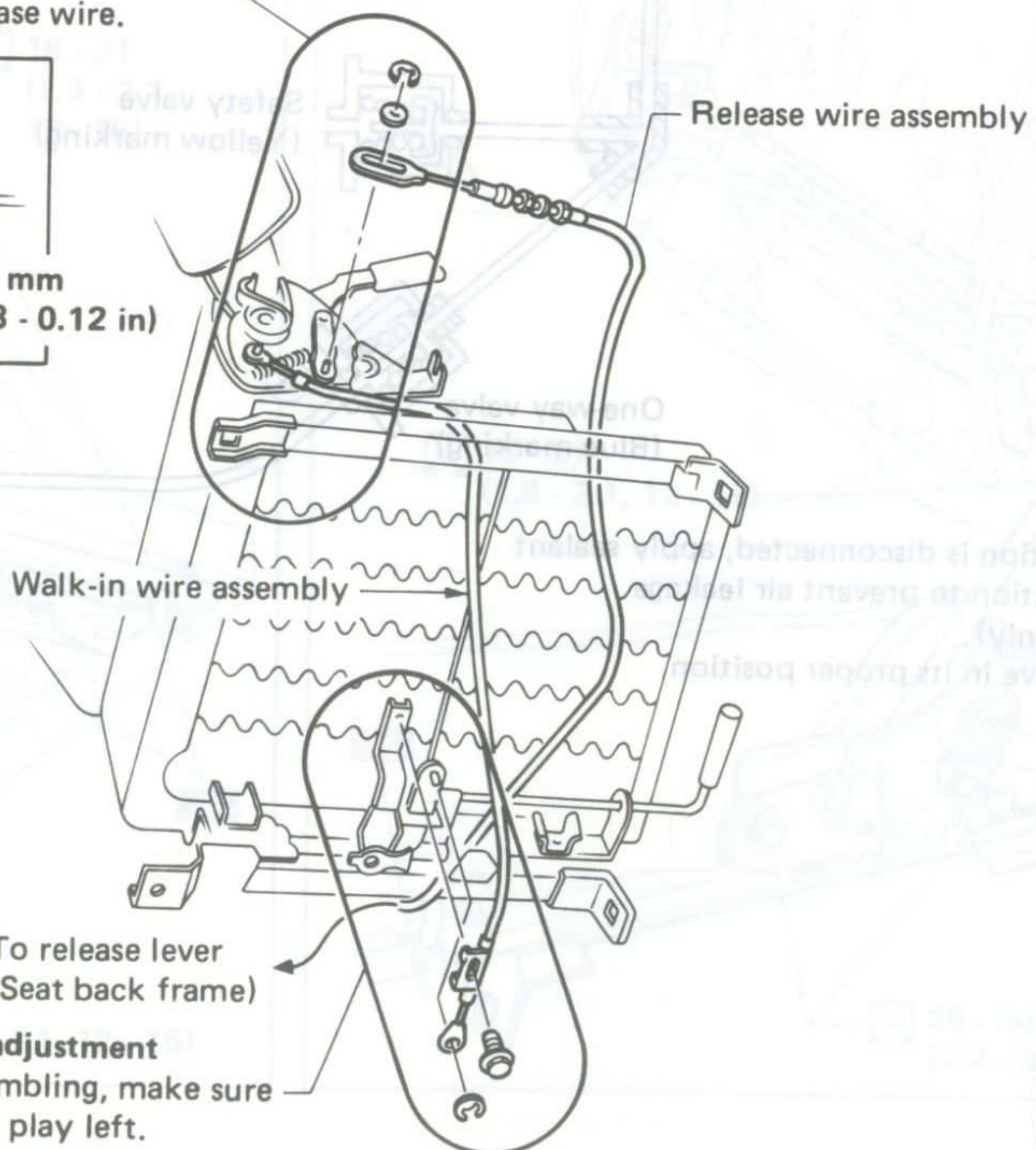
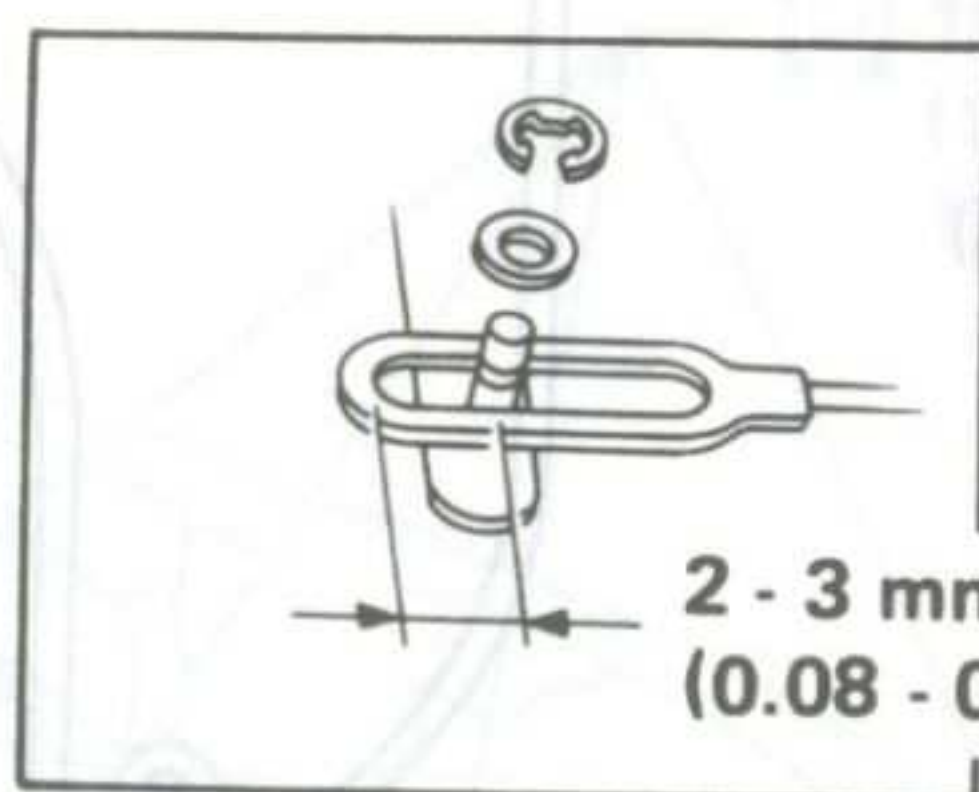
- Basically, this seat is the same as manual type front driver seat. 2 + 2 seater model differs from manual type front seat in that walk-in mechanism has been added to it. Refer to the description on manual type driver seat except for walk-in mechanism.

WALK-IN MECHANISM



Release wire adjustment

- Push down reclining device lever so there is no play, then adjust the release wire.



Walk-in wire adjustment

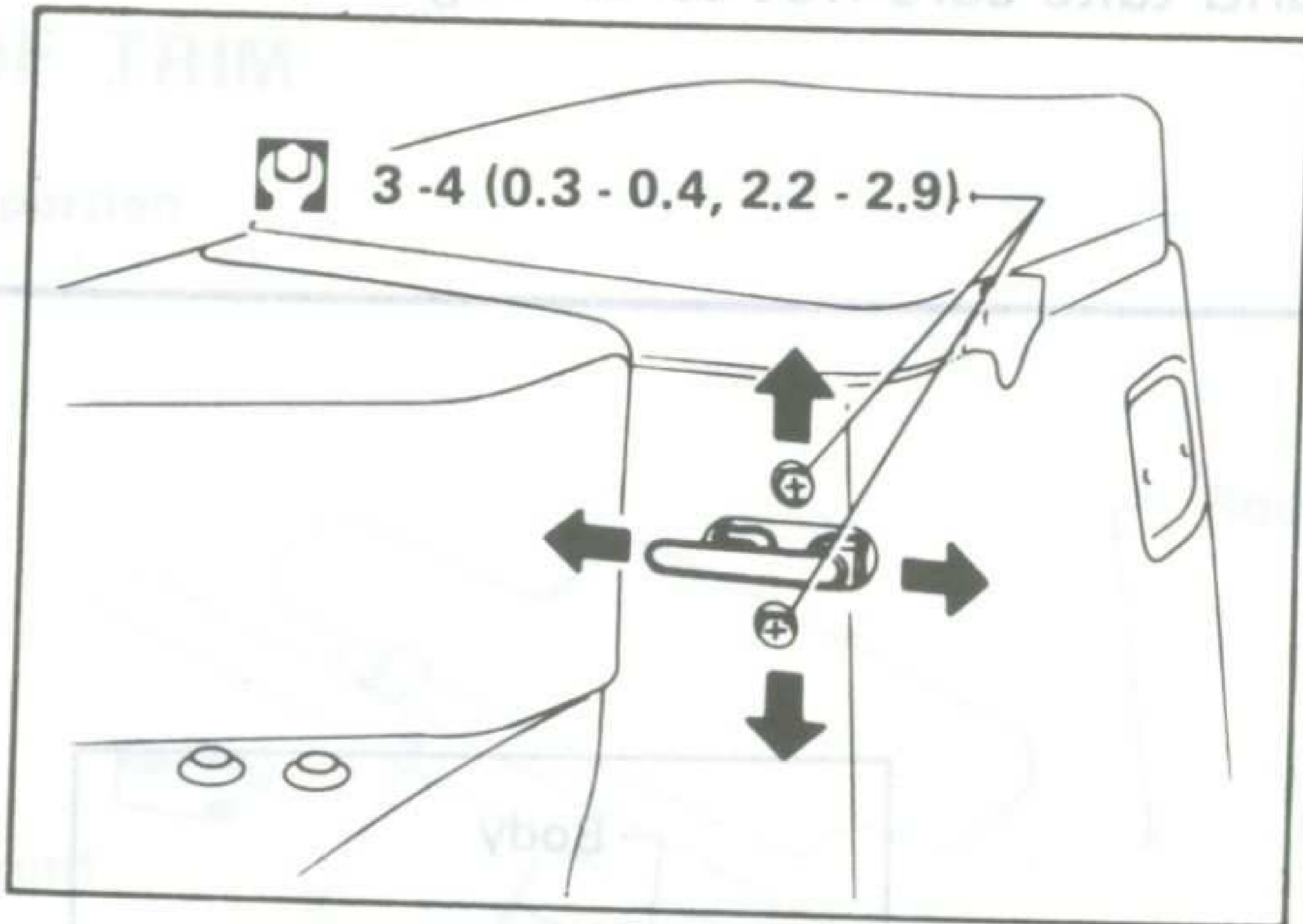
- When assembling, make sure there is no play left.

SBF470B

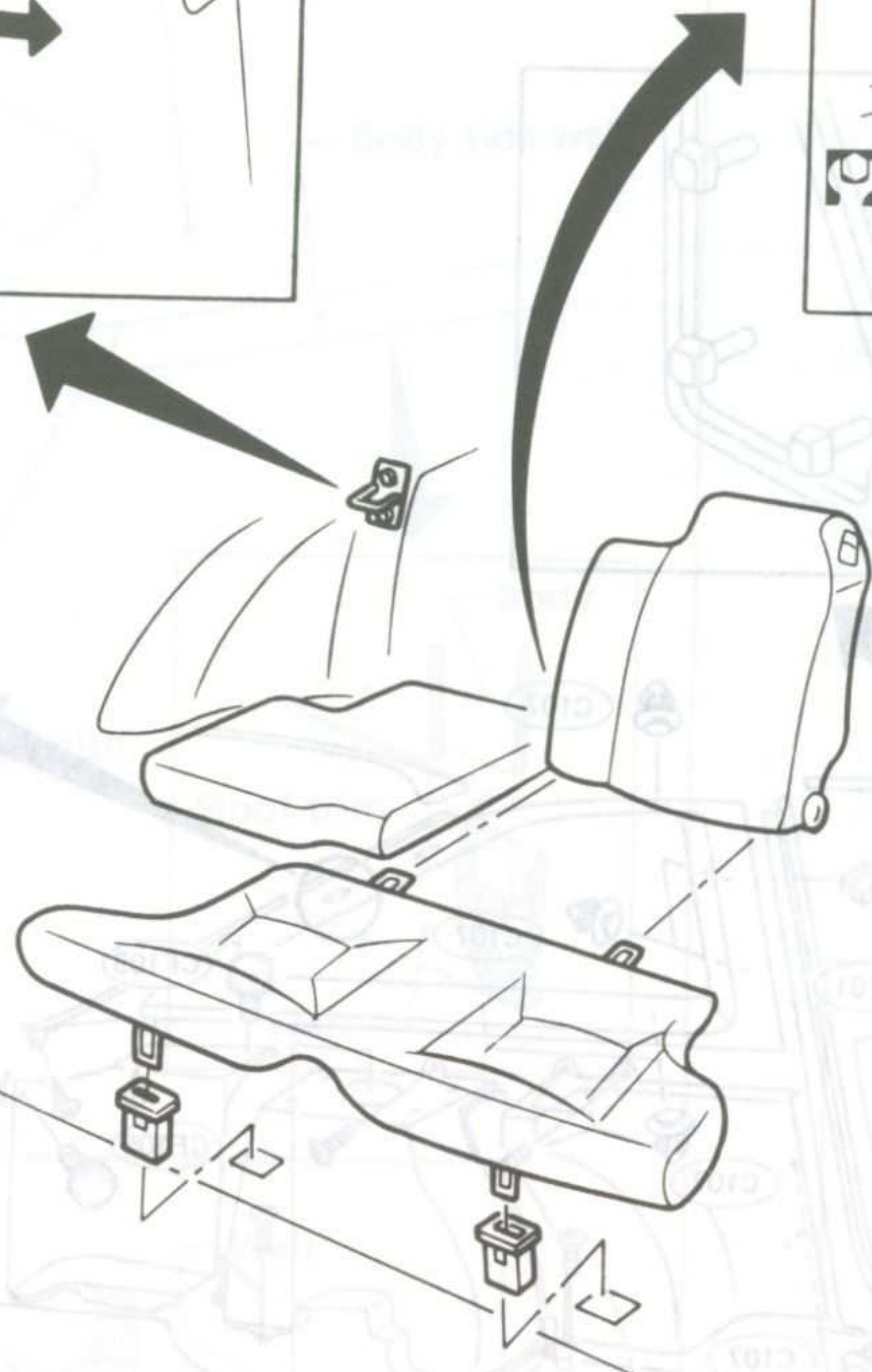
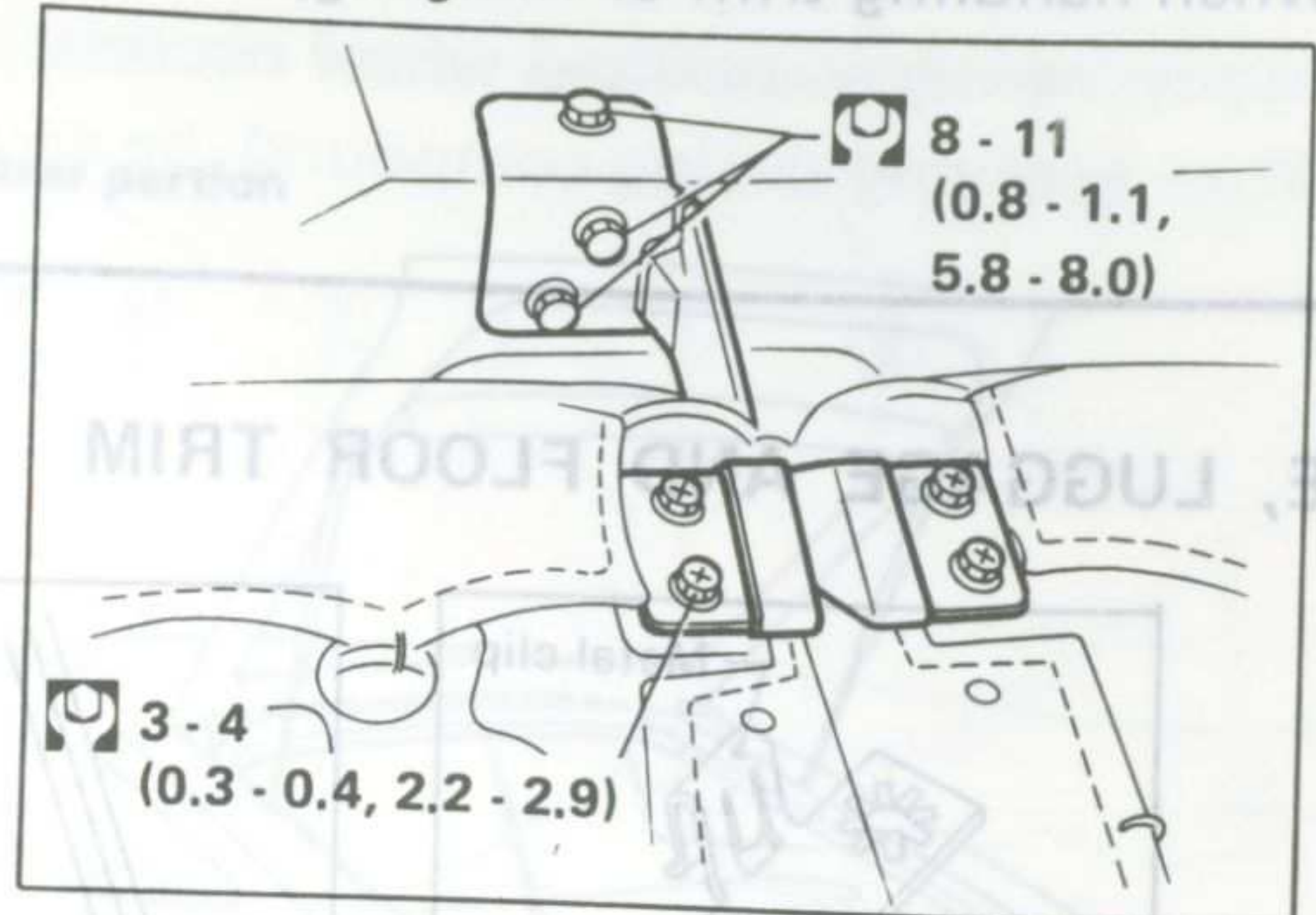
SEAT

Rear Seat

Striker

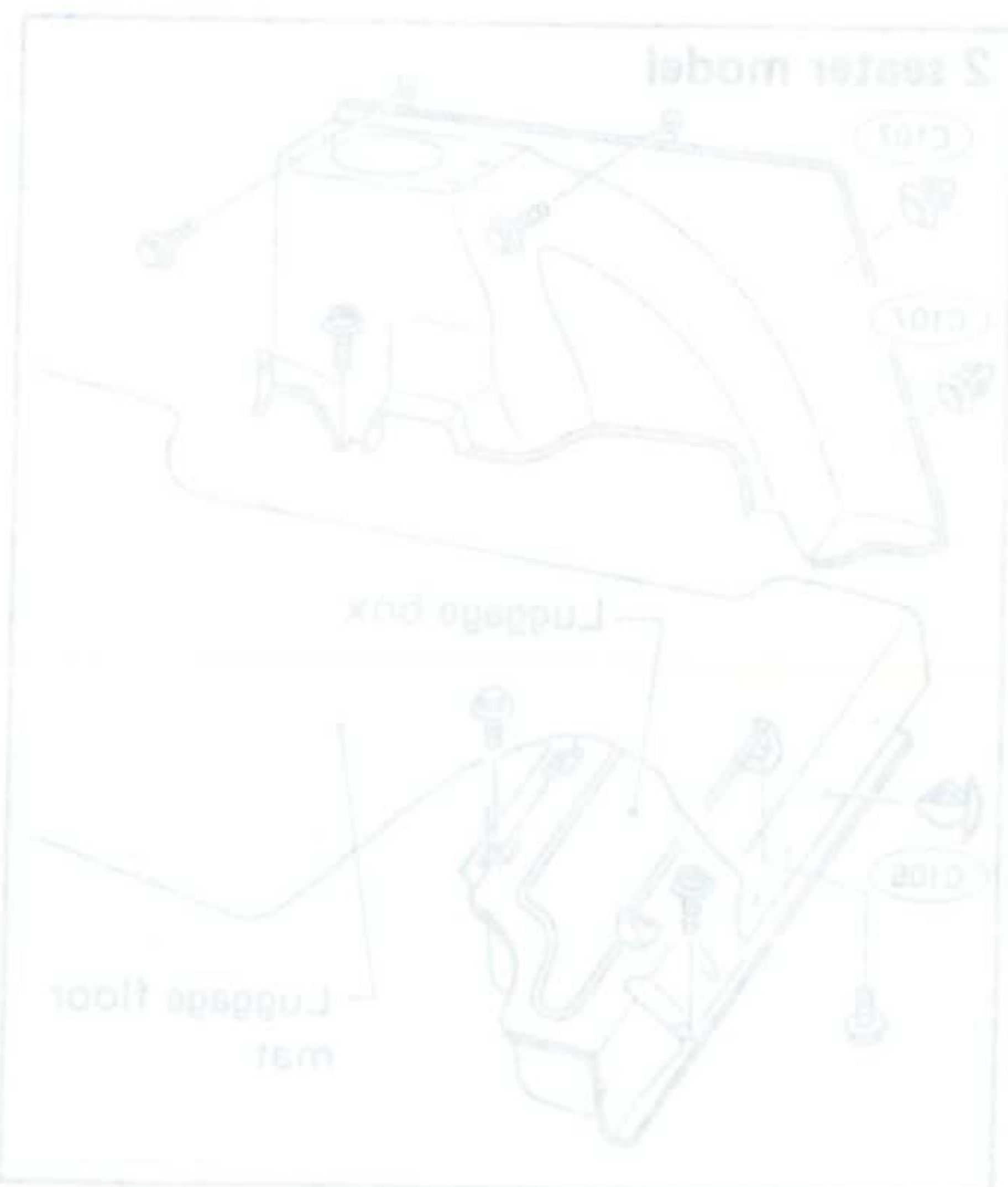


Seat back hinge



 : N·m (kg-m, ft-lb)

SBF395B



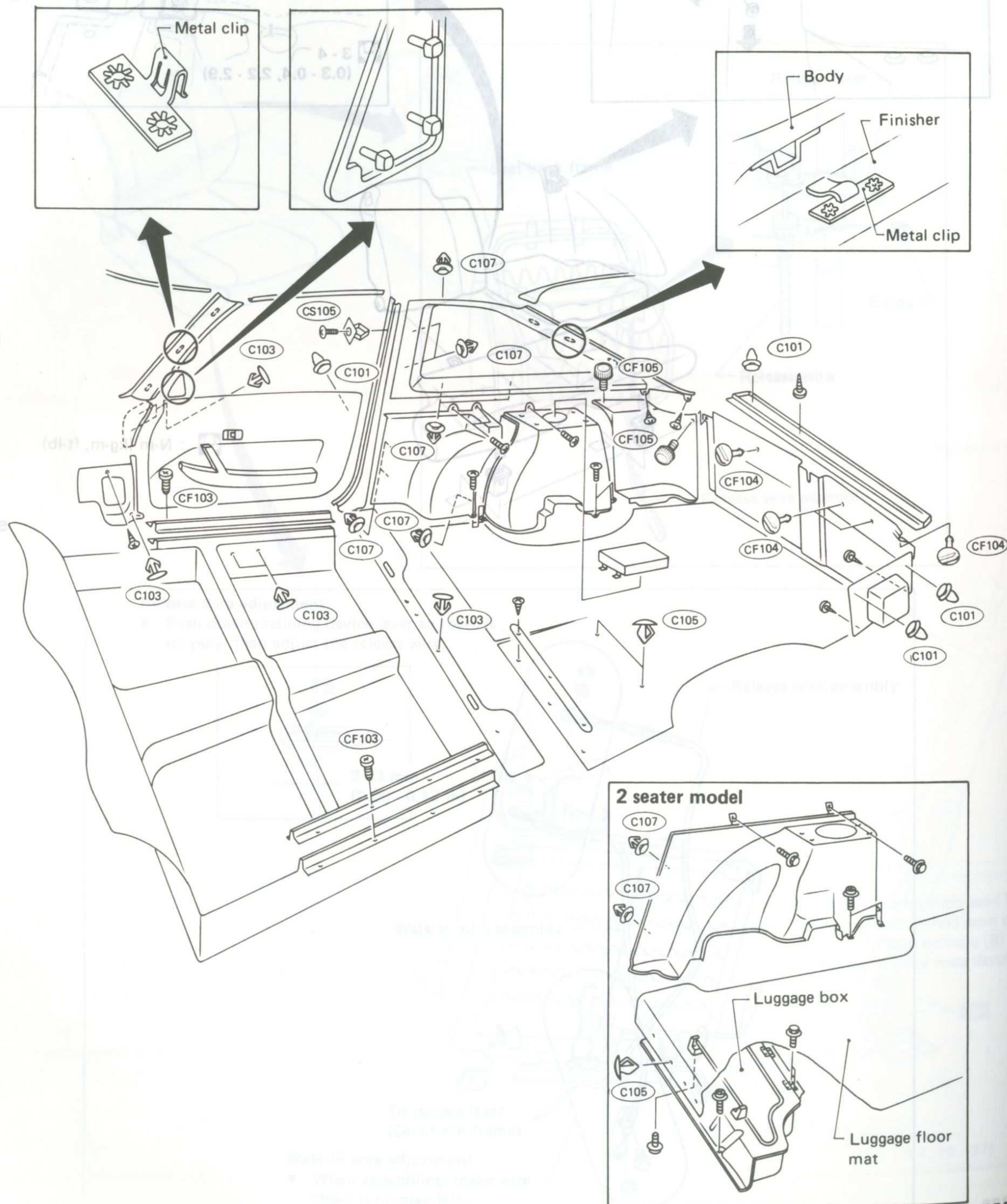
SBF395B

TRIM AND MOLDING

- When removing clip or fastener, refer to CLIP & FASTENER.
- When handling trim or molding, do not use excessive force and take care not to damage them.

Inside Trim

SIDE, LUGGAGE AND FLOOR TRIM



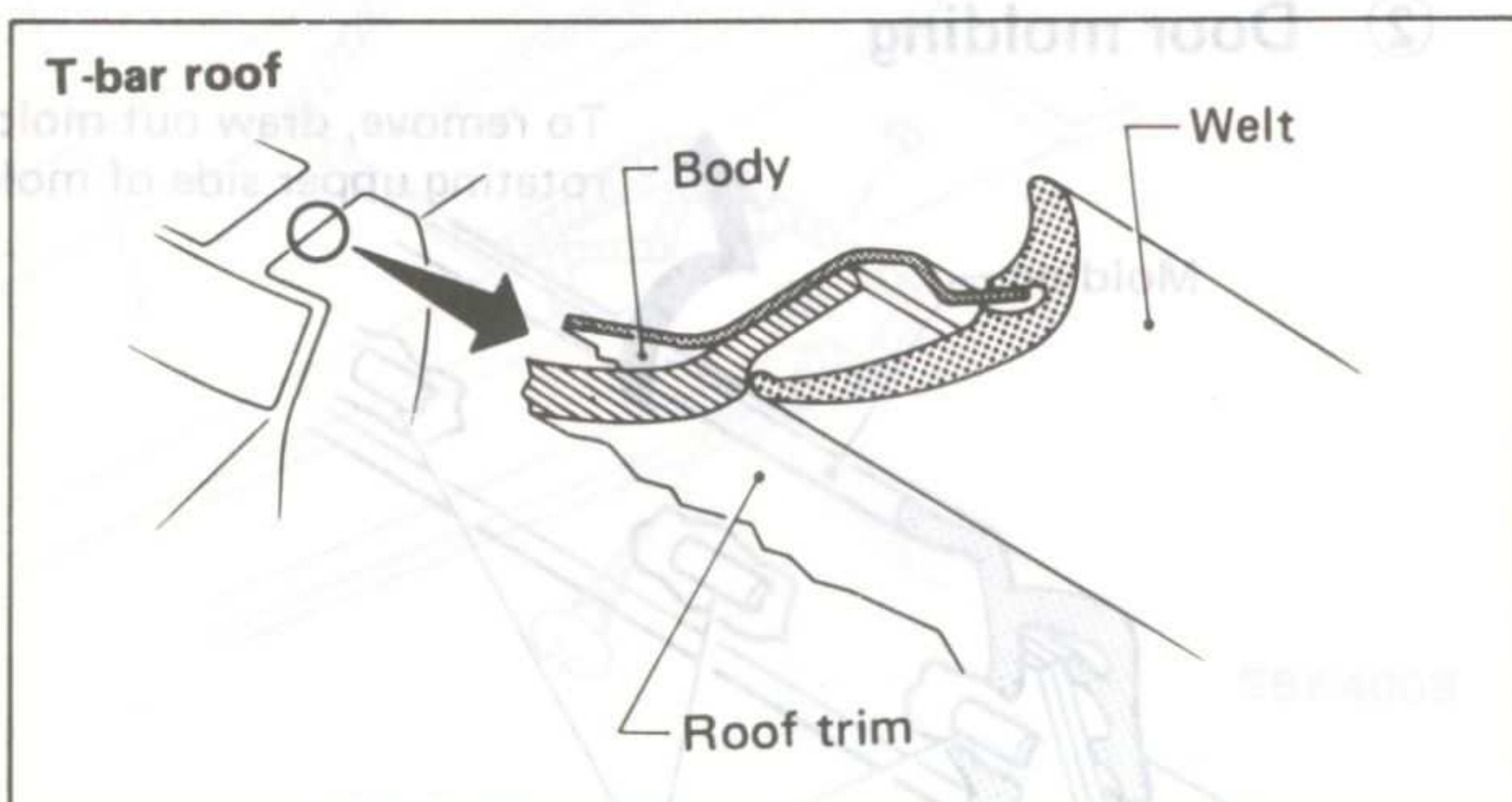
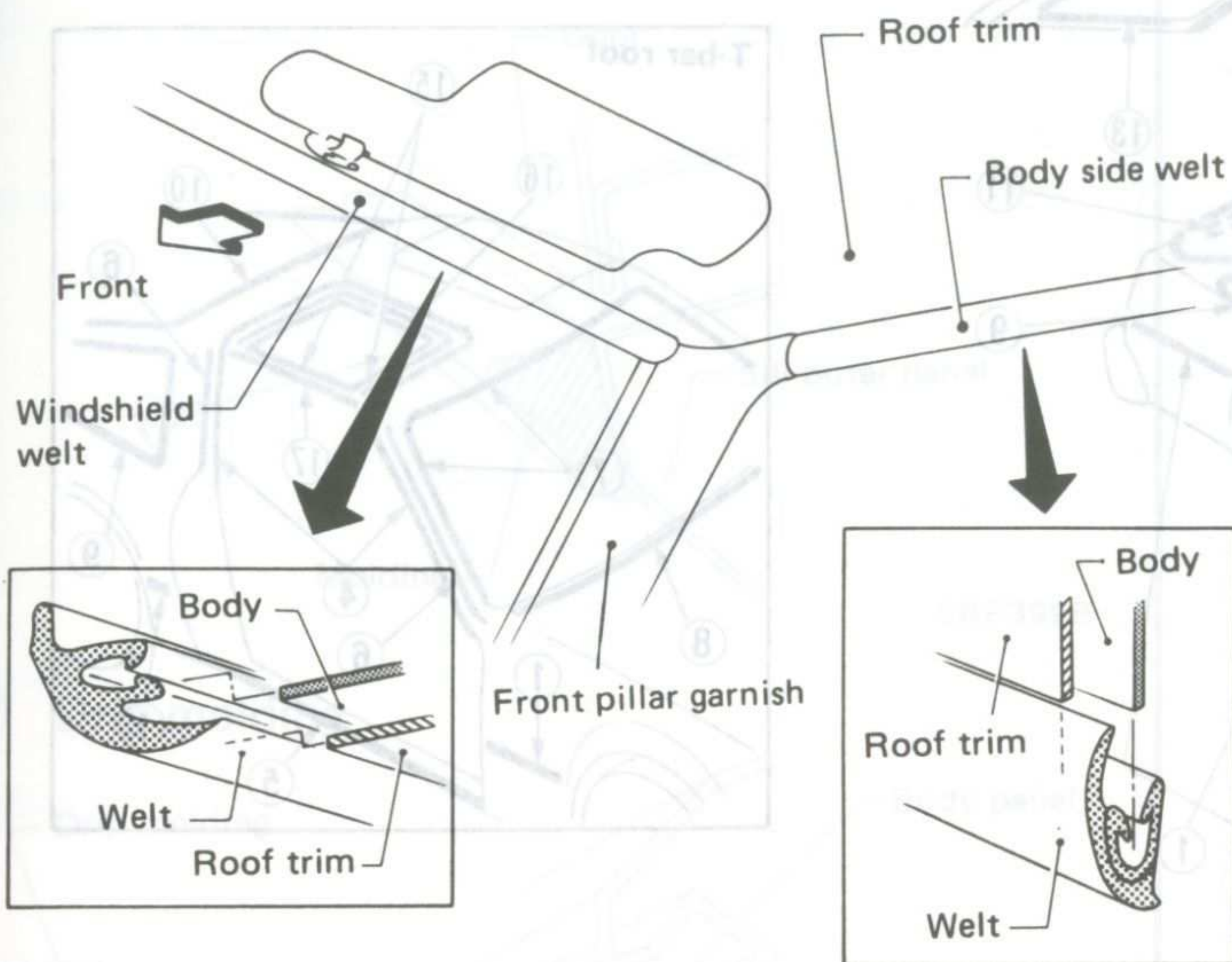
SBF383B

TRIM AND MOLDING

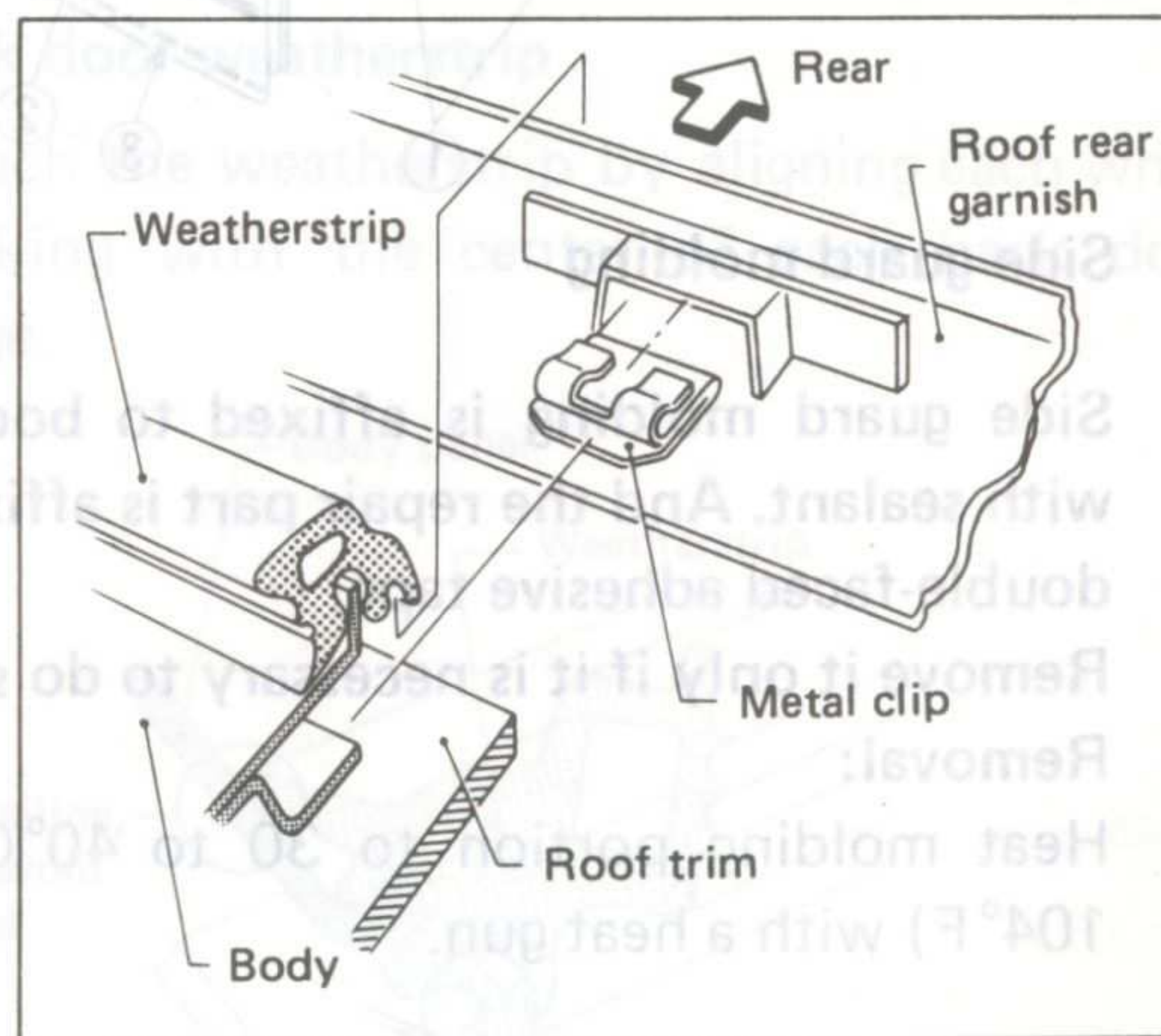
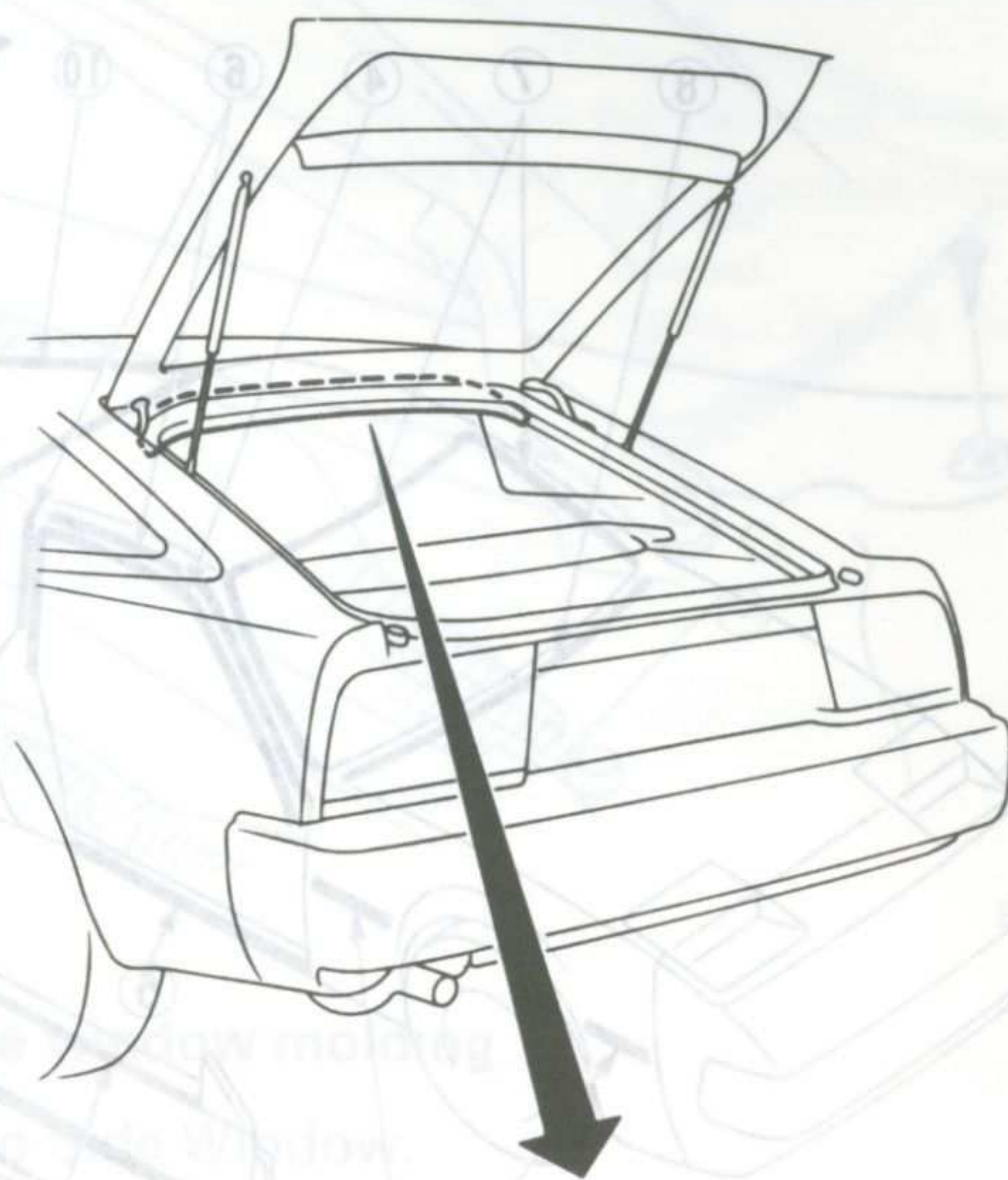
Inside Trim (Cont'd)

ROOF TRIM

Front portion



Rear portion

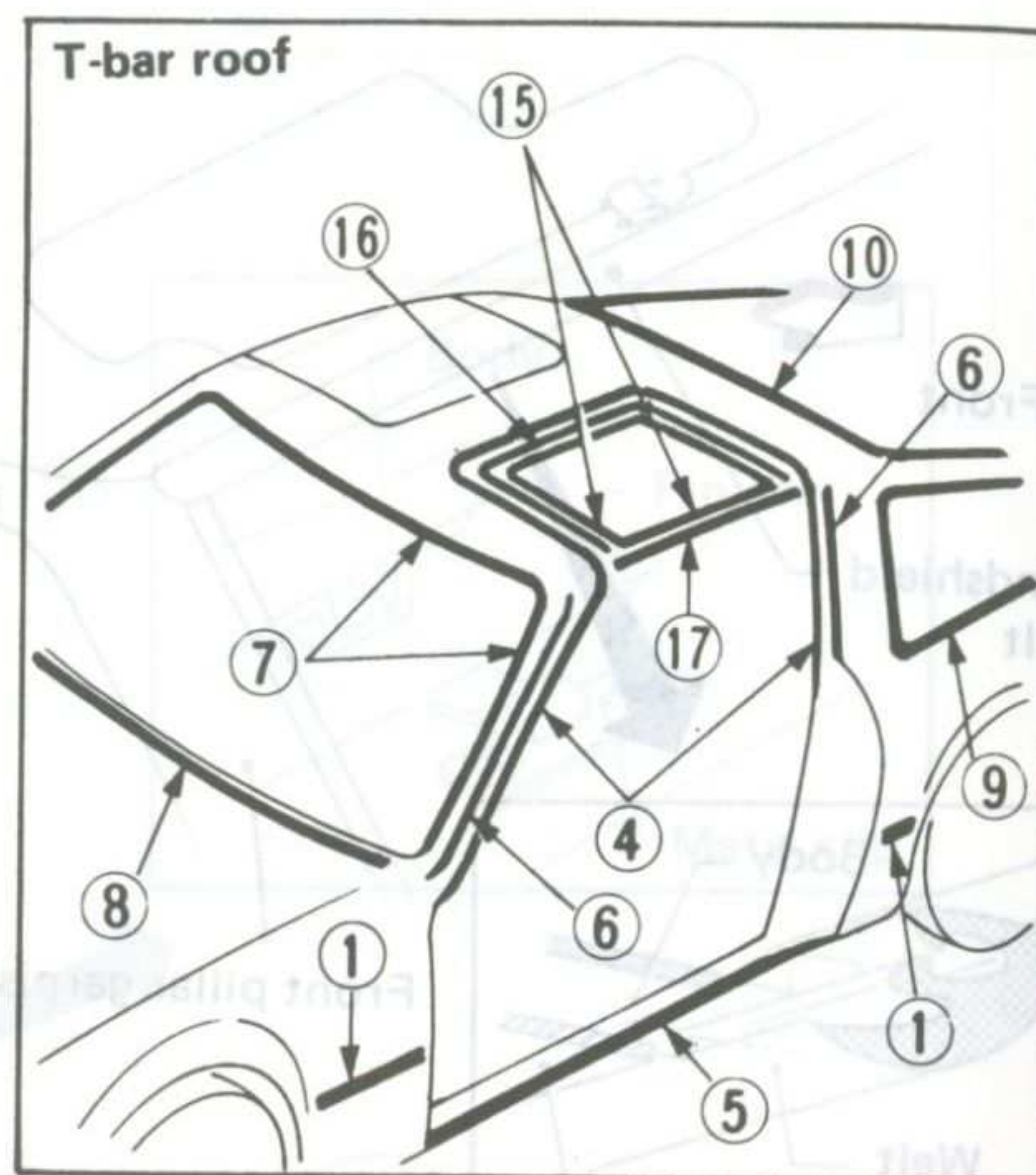
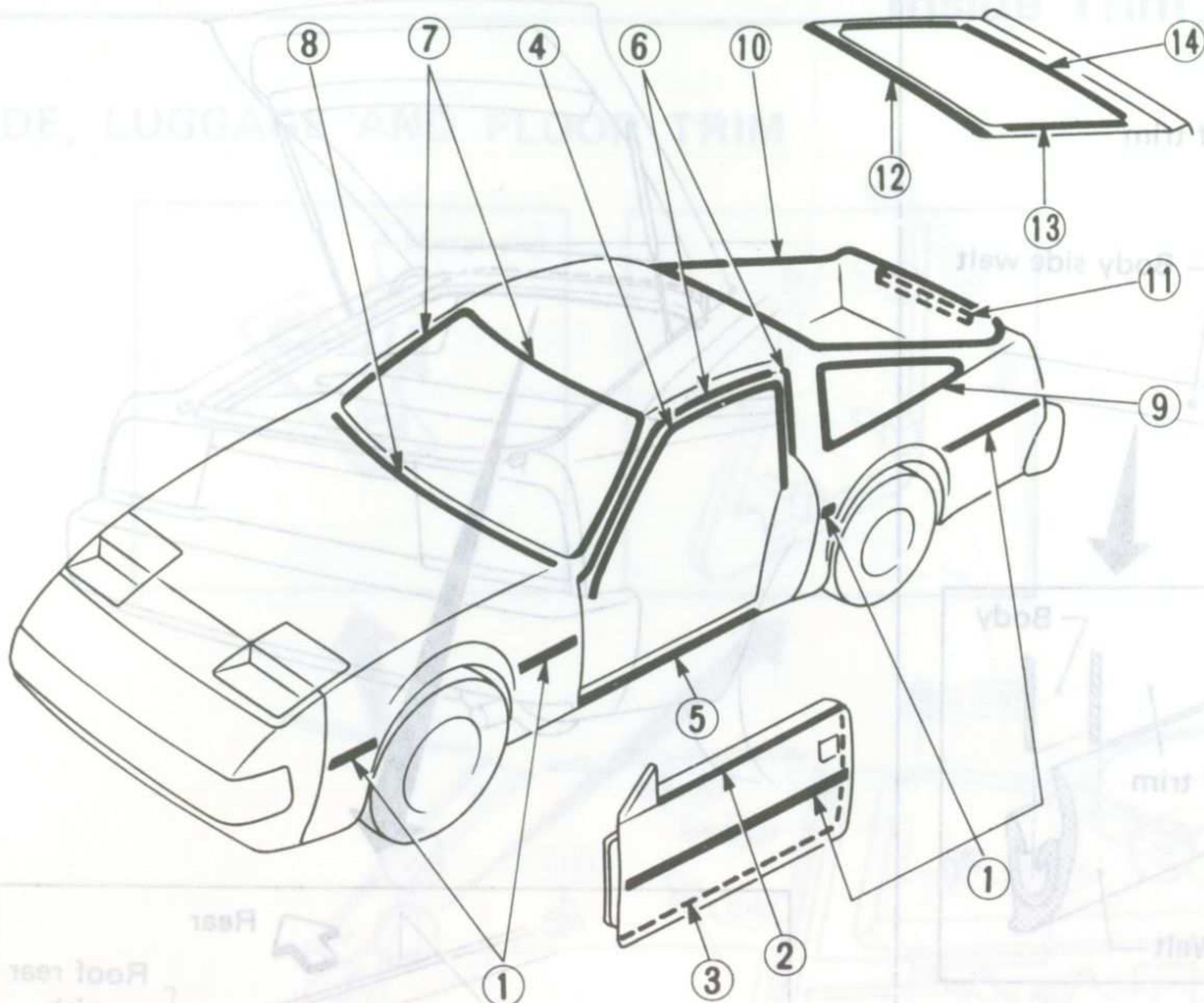


SBF384B

TRIM AND MOLDING

Exterior

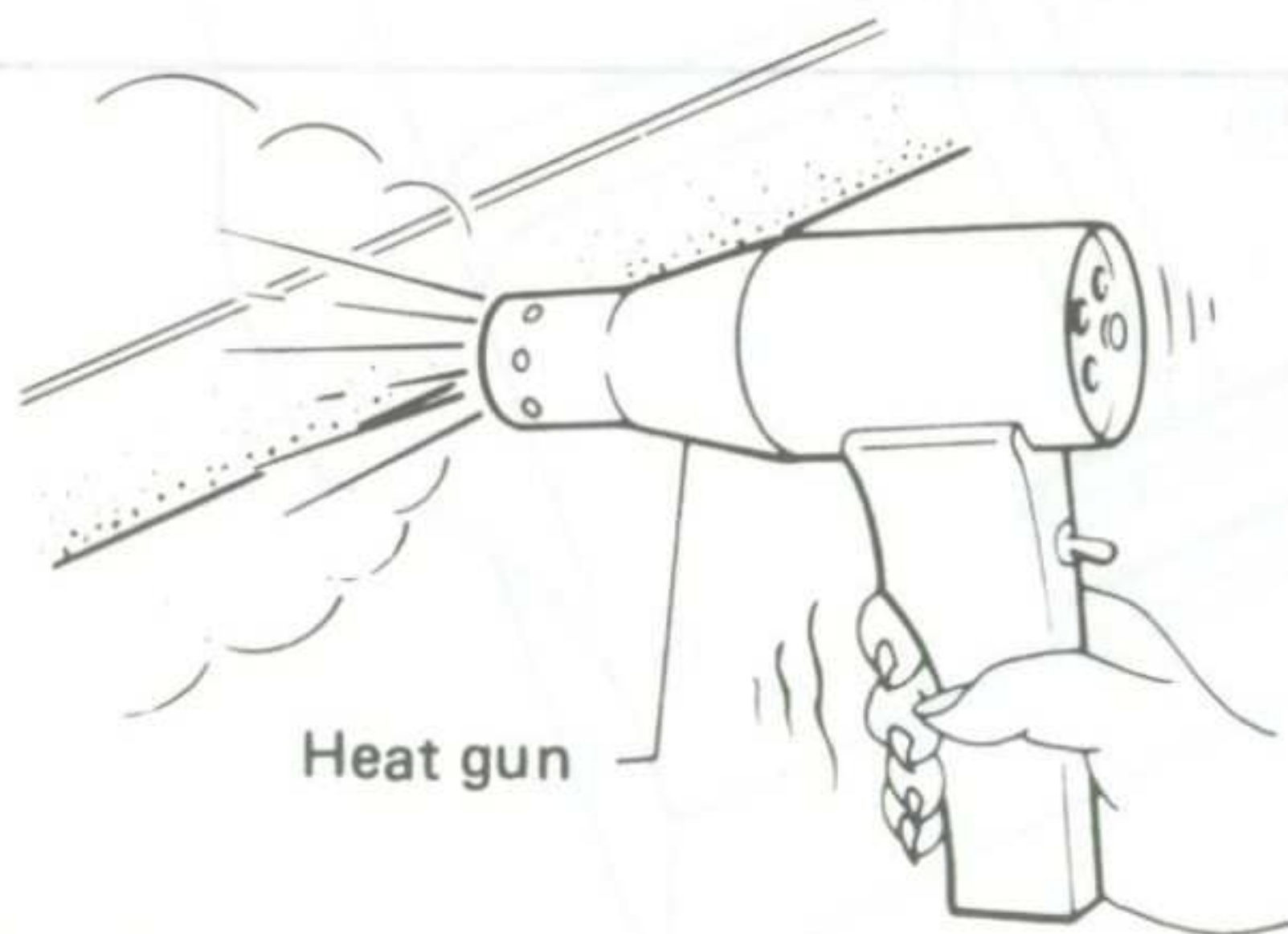
- Apply sealing compound where necessary while installing parts.
- When applying sealing compound, be careful that the sealing compound does not protrude from parts.



SBF386B

① Side guard molding

- Side guard molding is affixed to body panel with sealant. And the repair part is affixed with double-faced adhesive tape.
- Remove it only if it is necessary to do so.
- Removal:
 1. Heat molding portion to 30 to 40°C (86 to 104°F) with a heat gun.



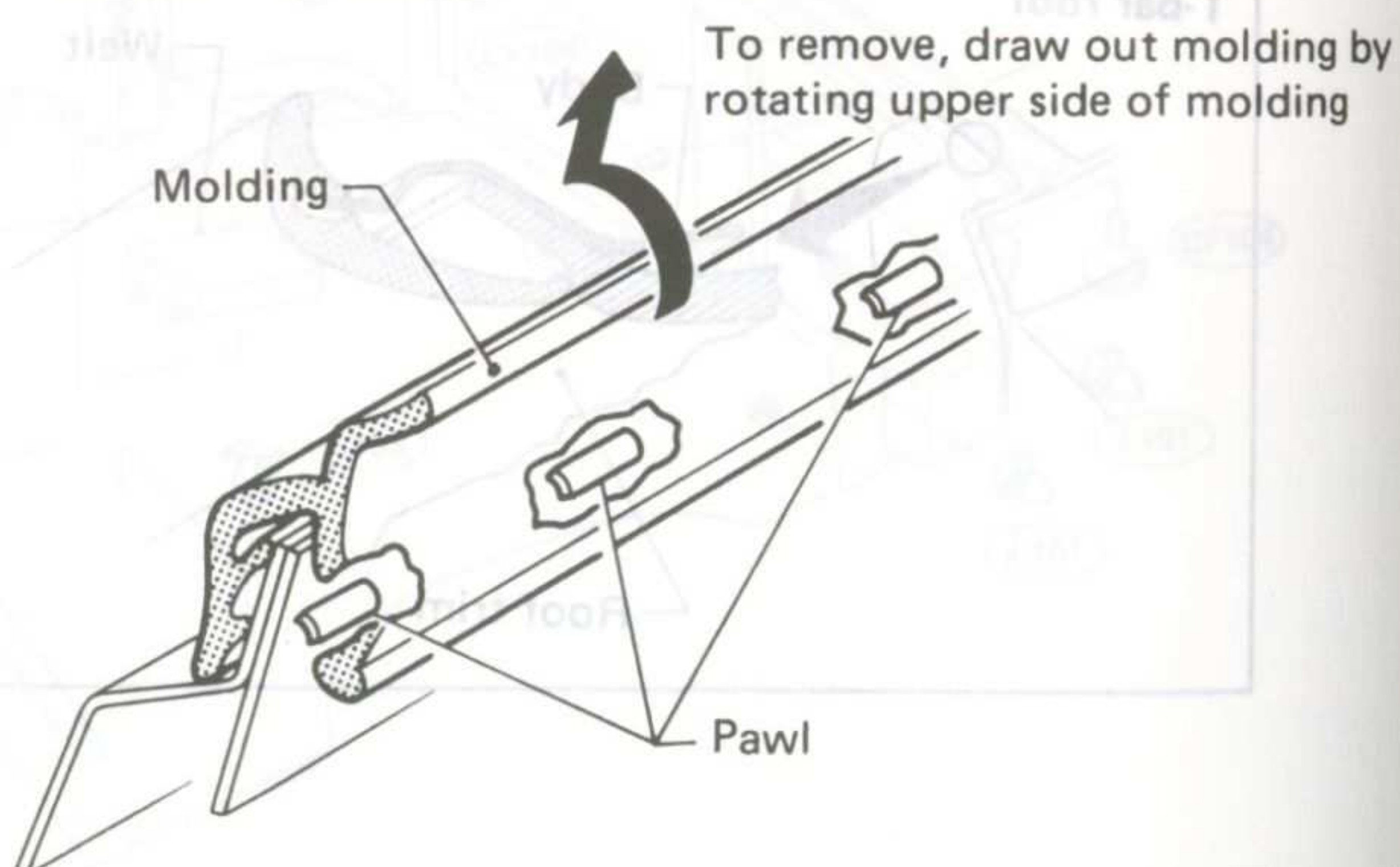
SBF455A

2. Raise end of molding and, while cutting off bonding agent, detach molding.

• Installation

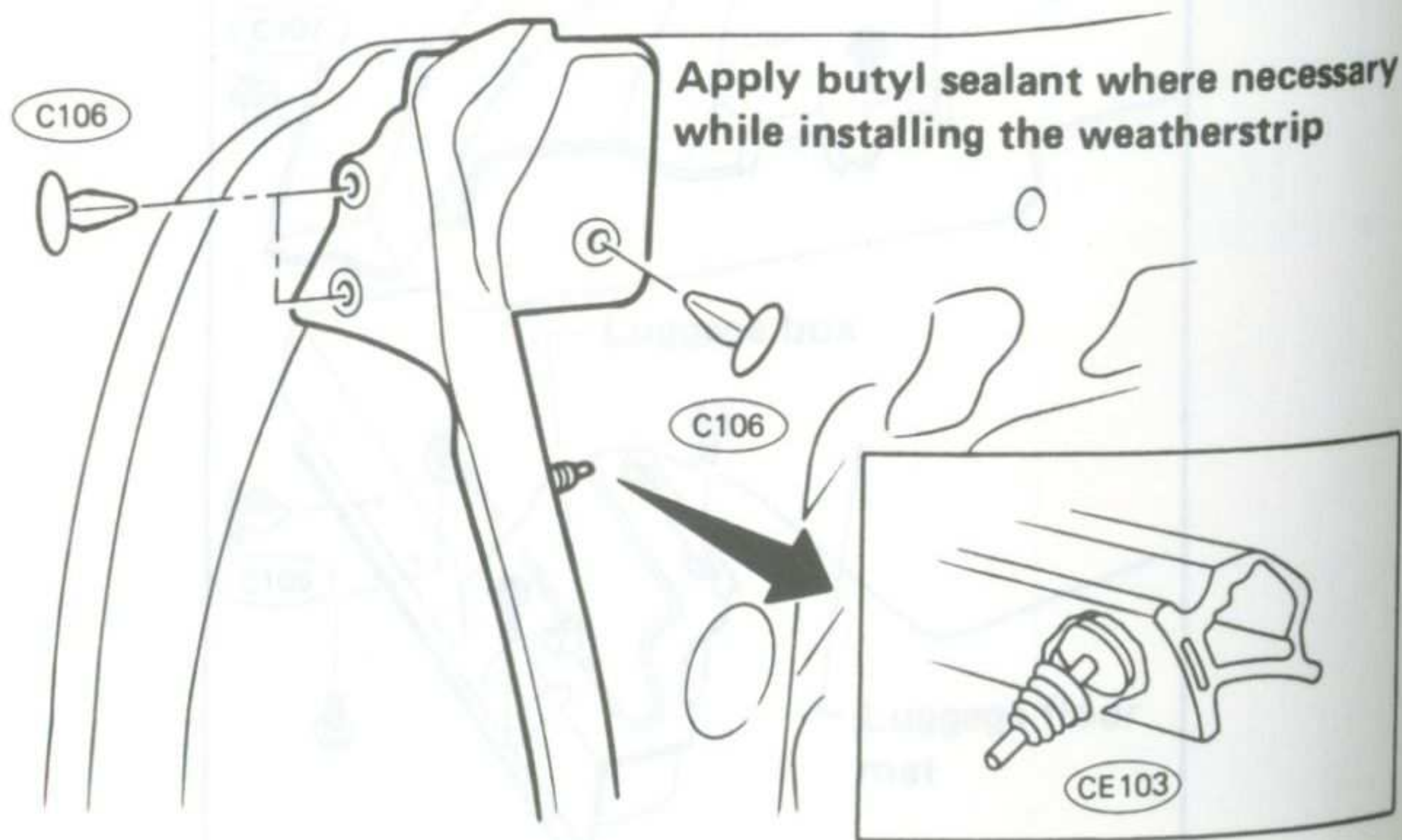
1. Remove all traces of bonding agent from body panel. Then clean contact face of body.
2. Heat body panel and molding to 30 to 40°C (86 to 104°F) with a heat gun. Then install molding.

② Door molding



SBF397B

③, ④ Door weatherstrip and body side weatherstrip



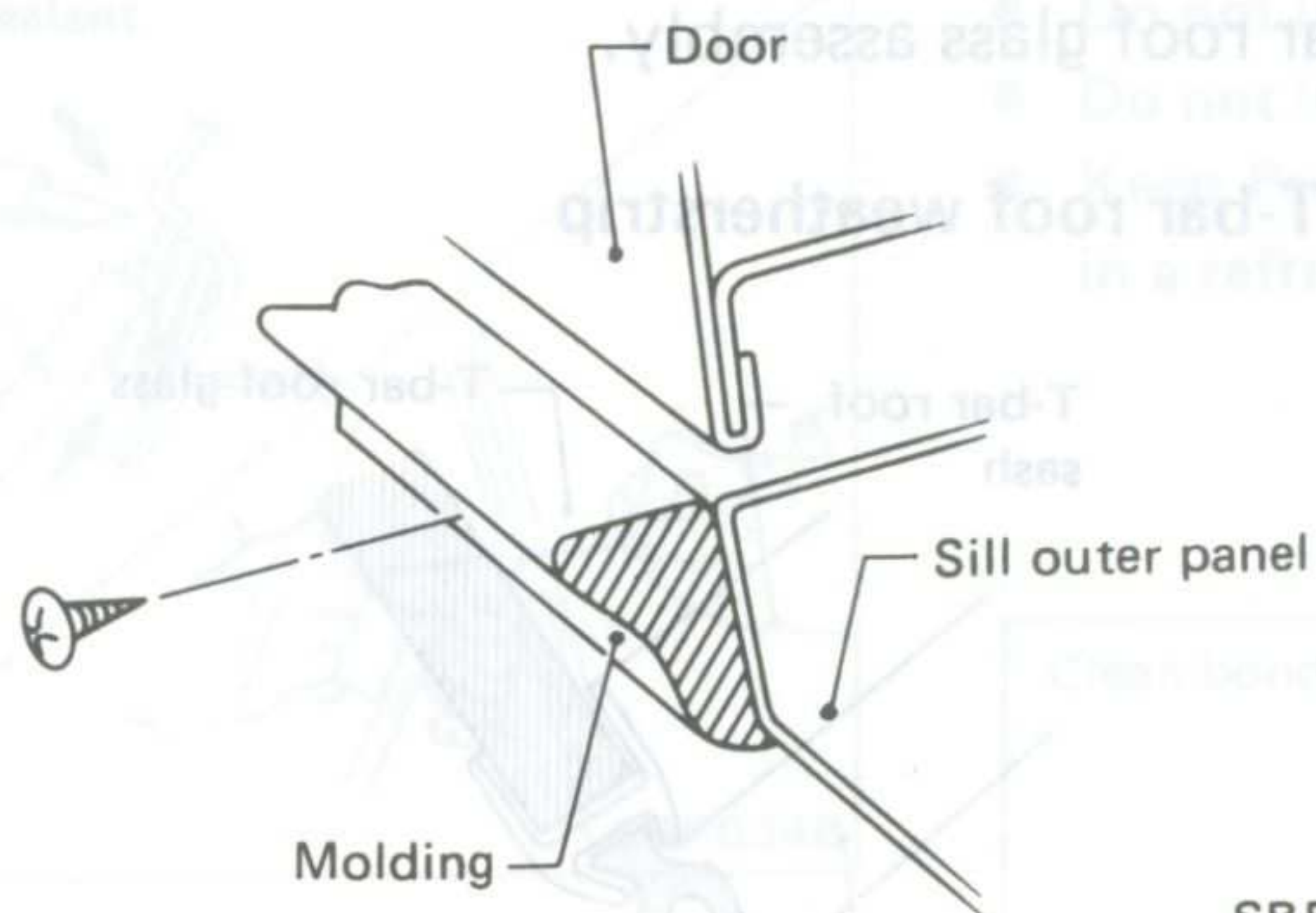
SBF398B

TRIM AND MOLDING

Exterior (Cont'd)

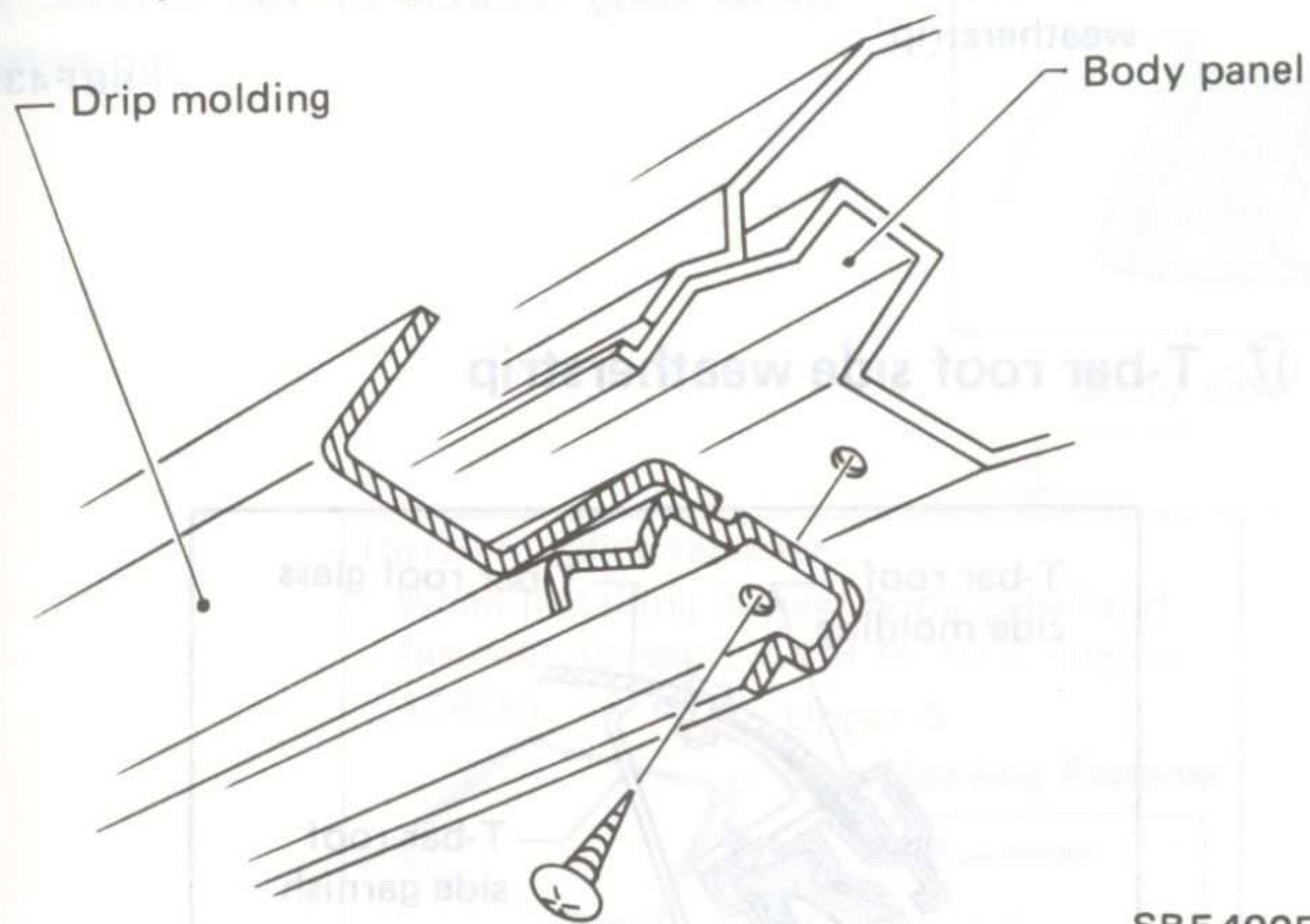
⑤ Sill molding

- Front and rear ends of molding are fixed with double-faced adhesive tape.
- When affixing the portion, heat body panel and molding to 30 to 40°C (86 to 104°F) with a heat gun, and then install it.



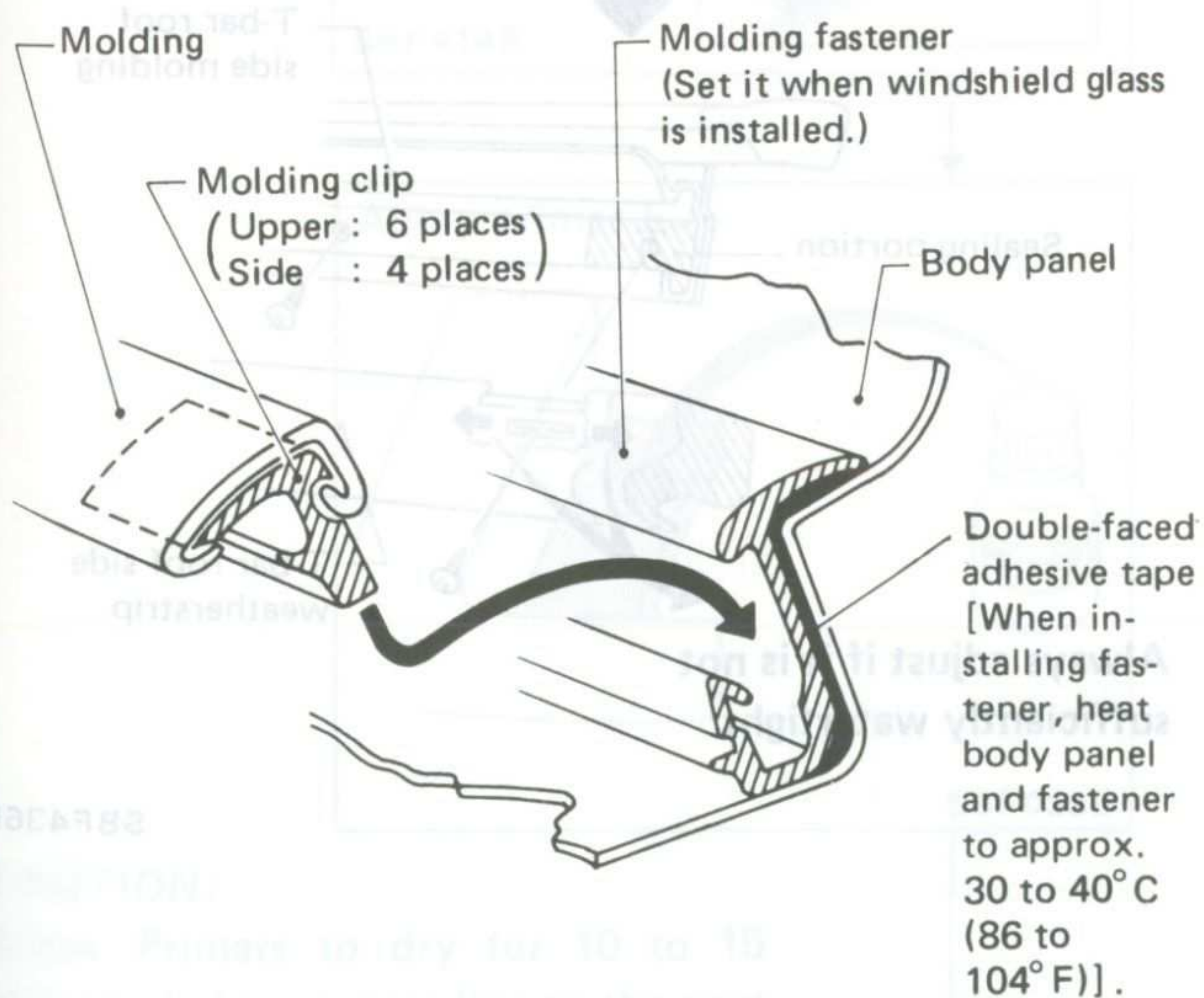
SBF399B

⑥ Drip molding



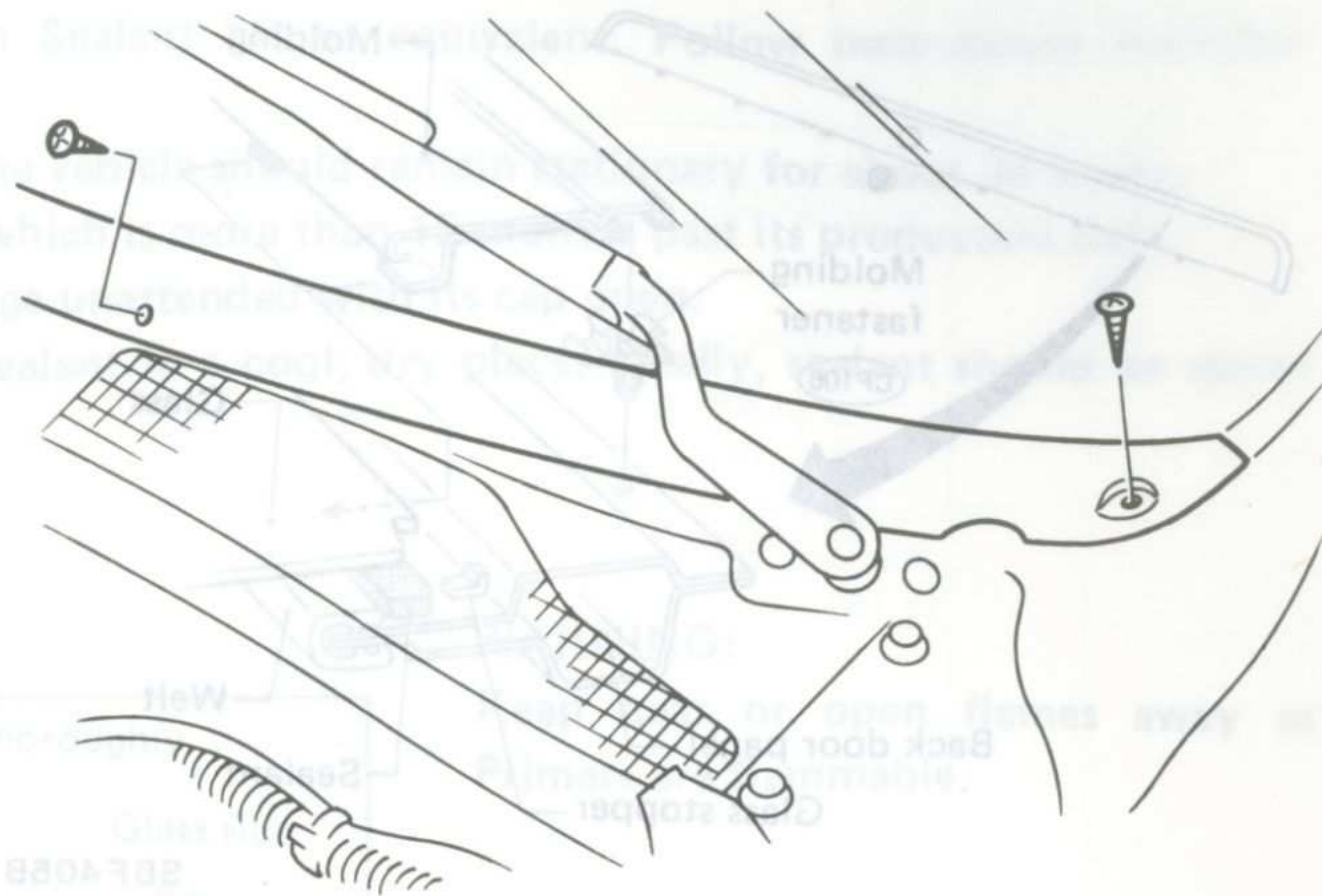
SBF400B

⑦ Windshield upper & side molding



SBF401B

⑧ Windshield lower molding



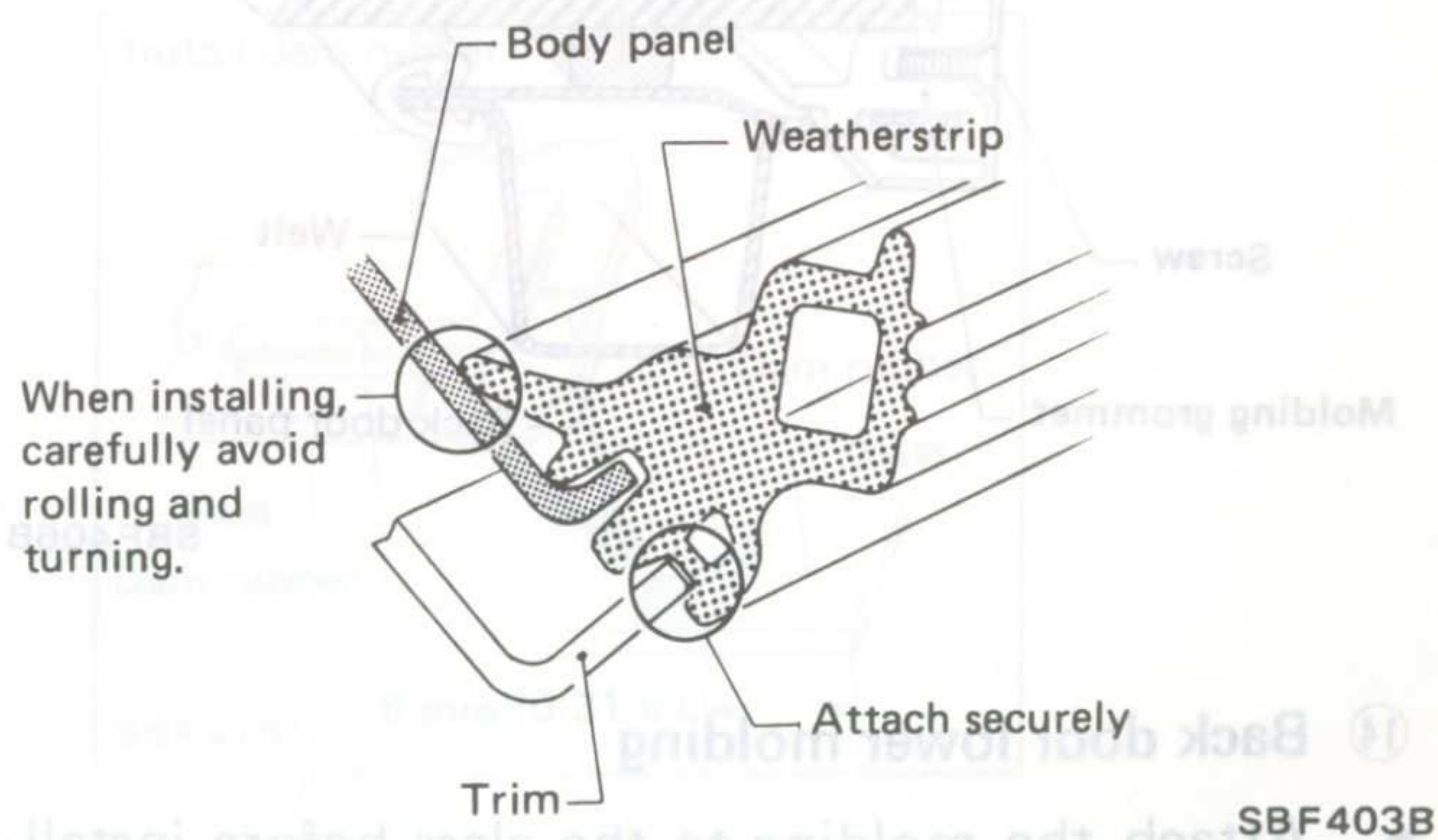
SBF402B

⑨ Side window molding

Refer to Side Window.

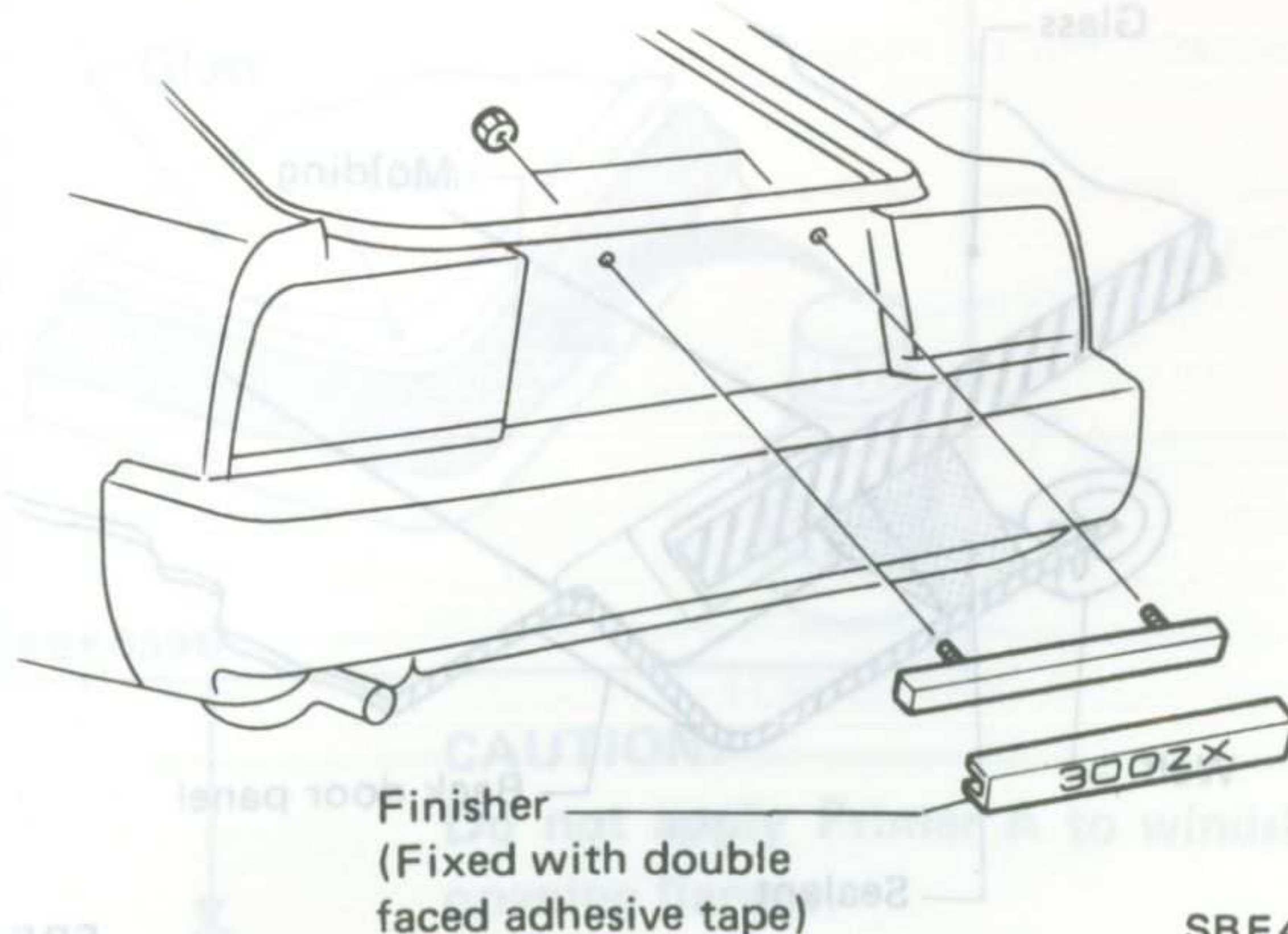
⑩ Back door weatherstrip

- Attach the weatherstrip by aligning each white marking with the center of each back door hinge.



SBF403B

⑪ Rear panel outer finisher

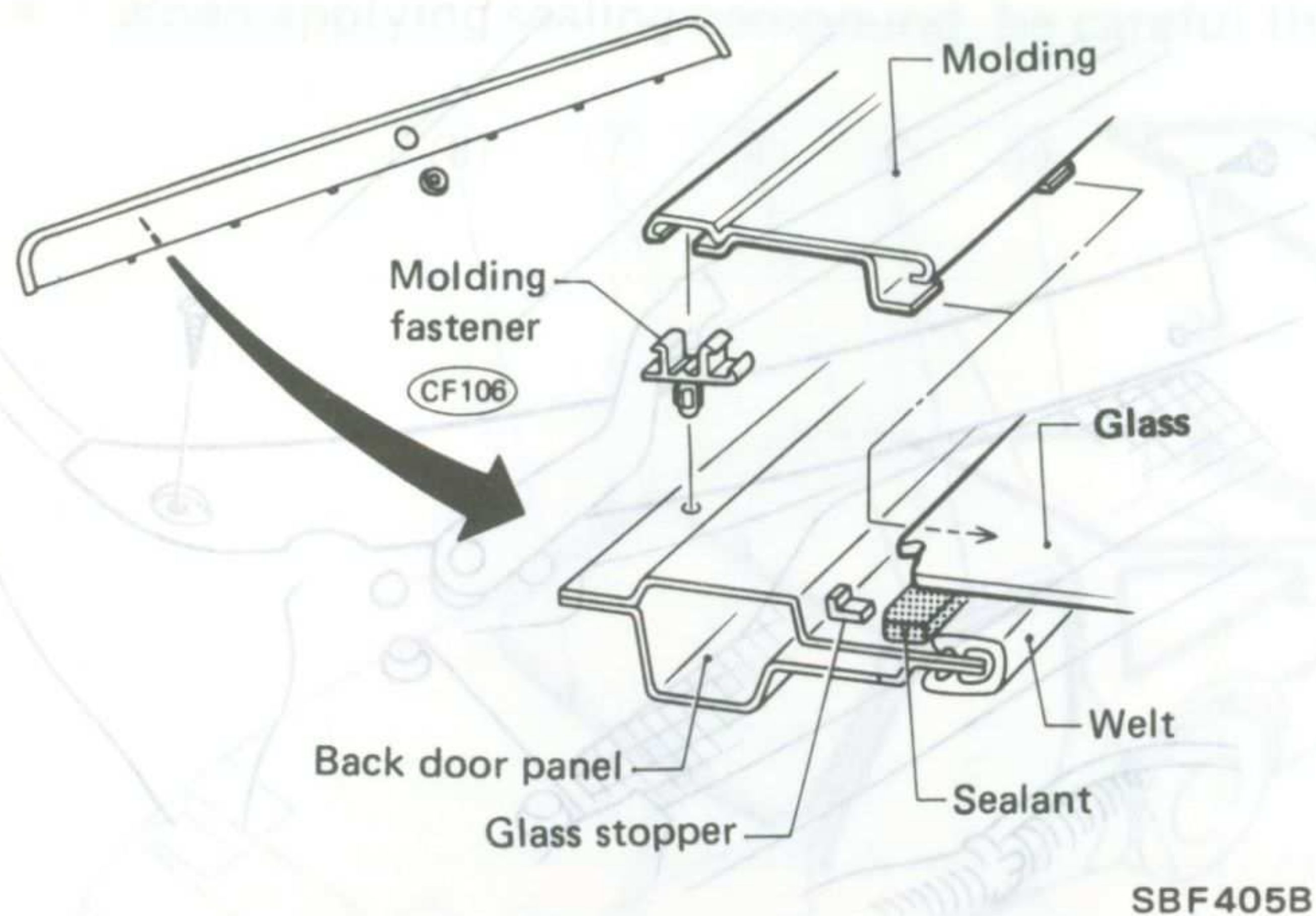


SBF404B

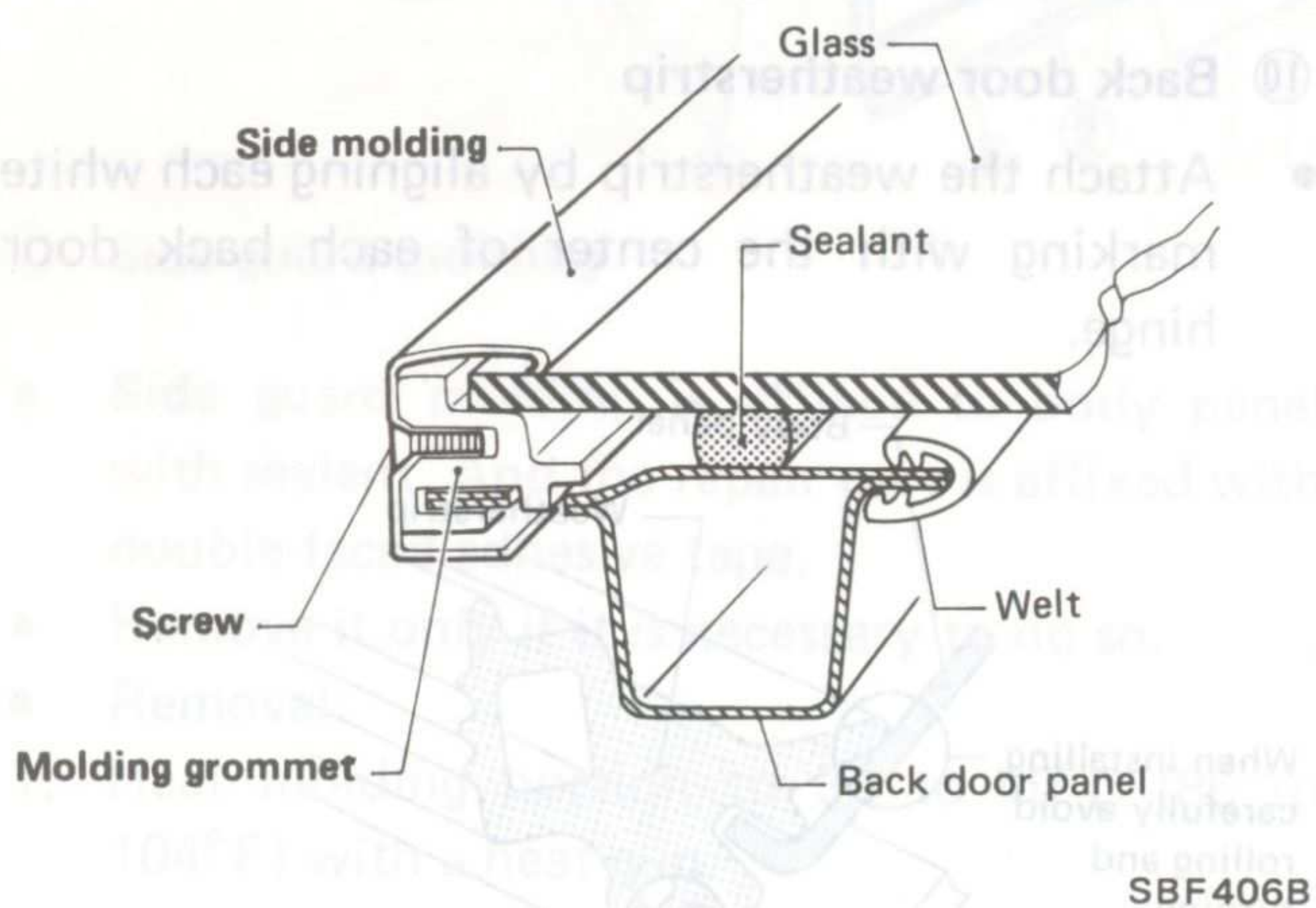
TRIM AND MOLDING

Exterior (Cont'd)

⑫ Back door upper molding

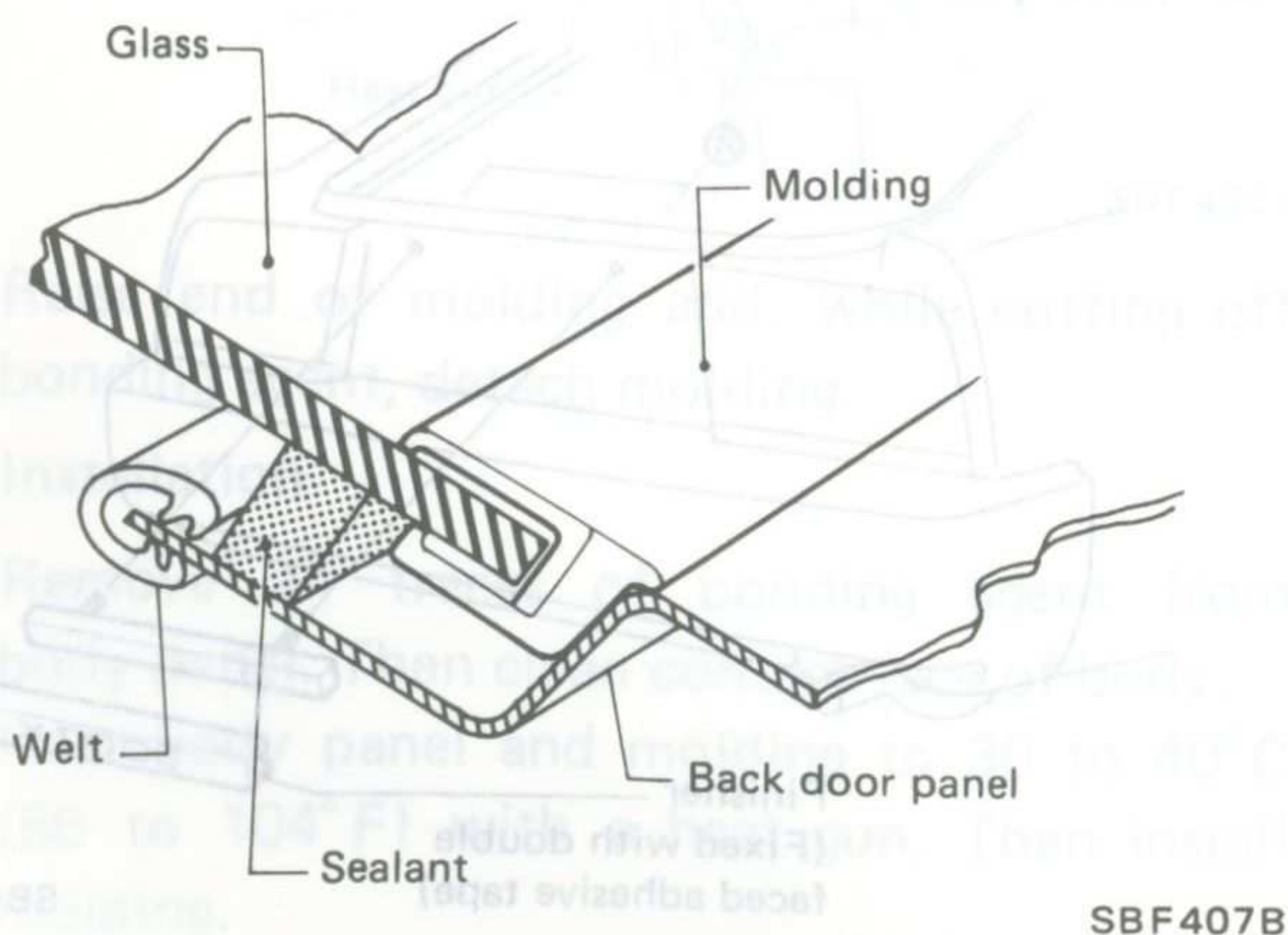


⑬ Back door side molding



⑭ Back door lower molding

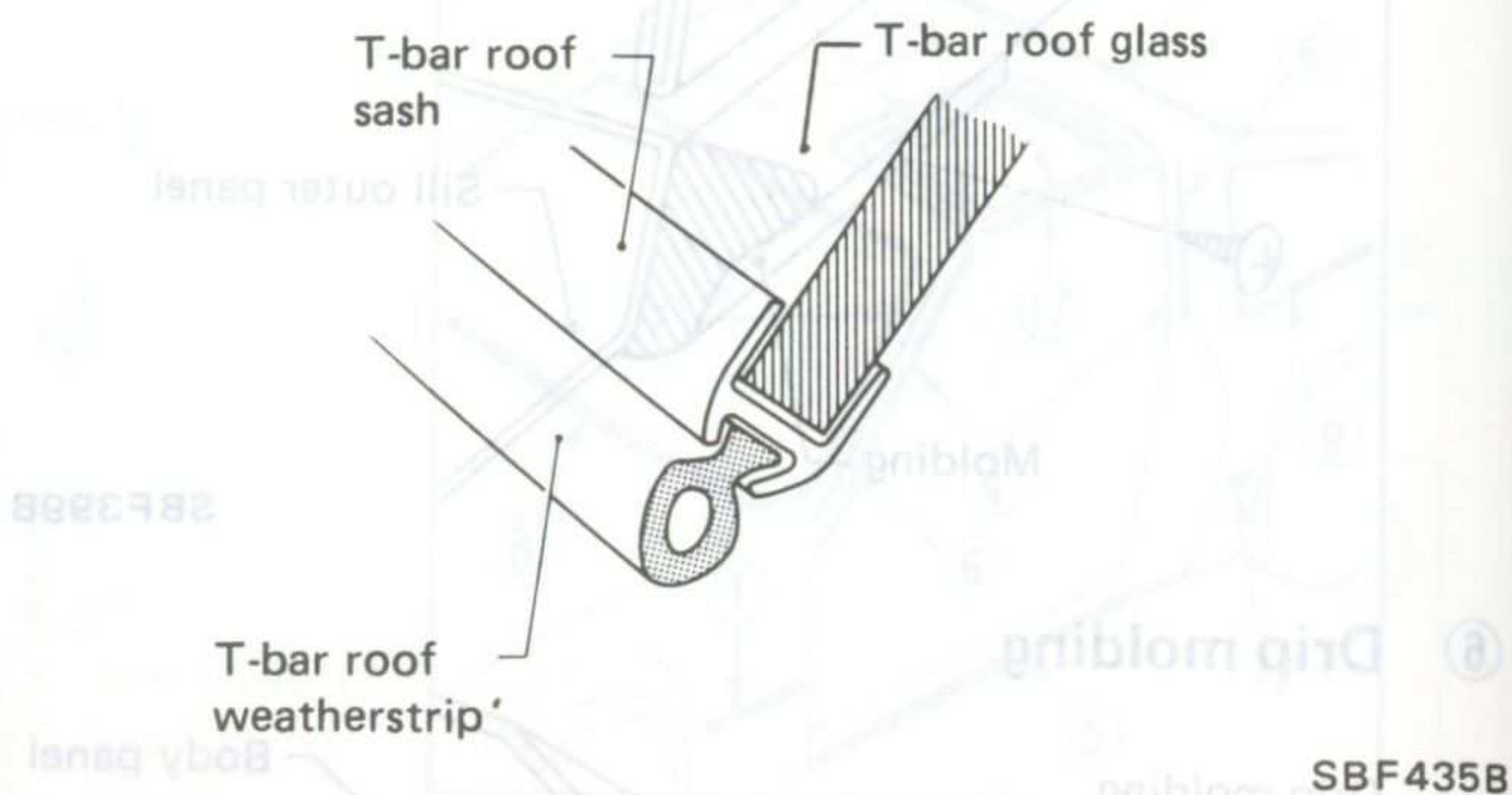
- Attach the molding to the glass before installing the glass.



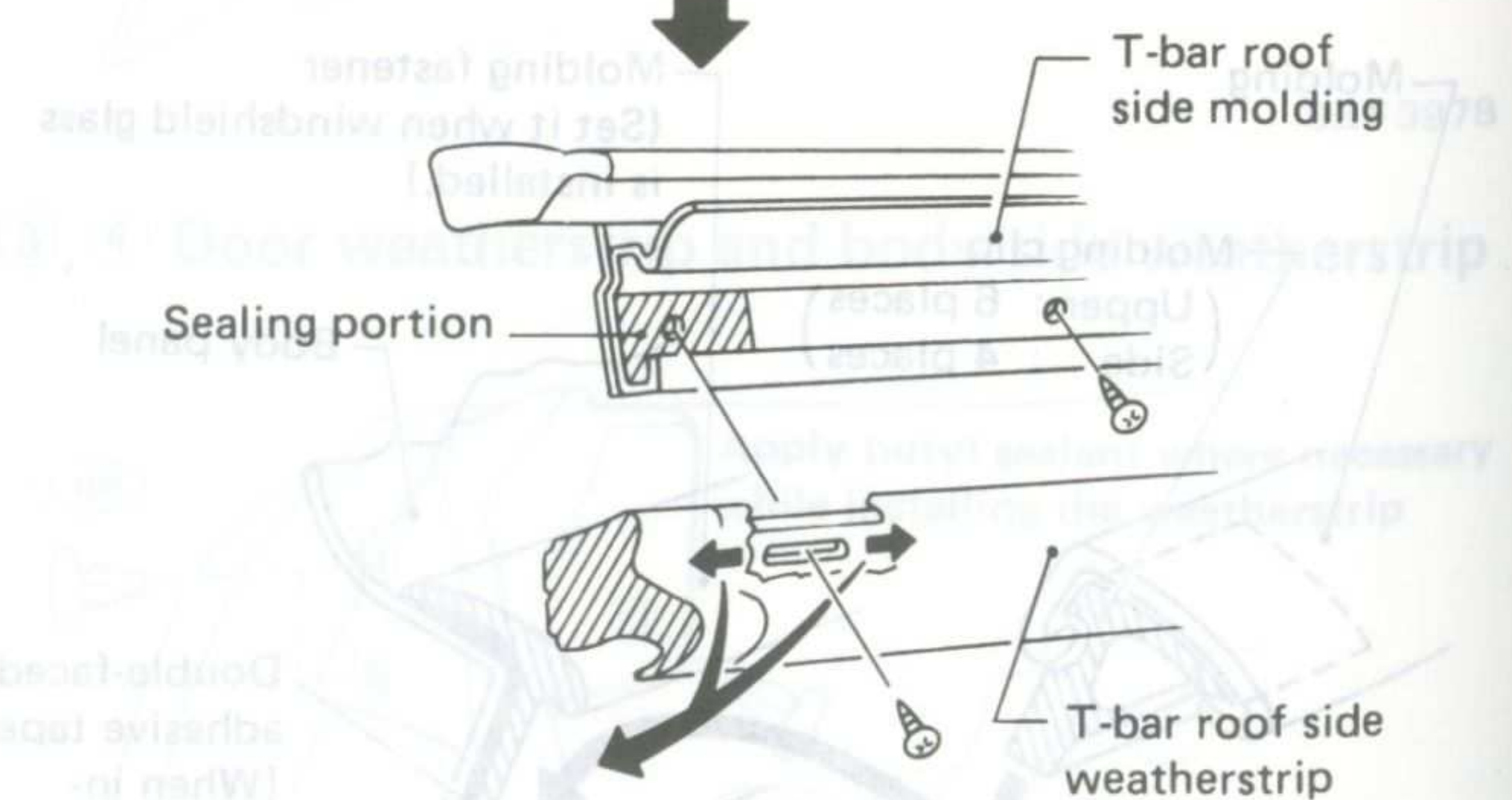
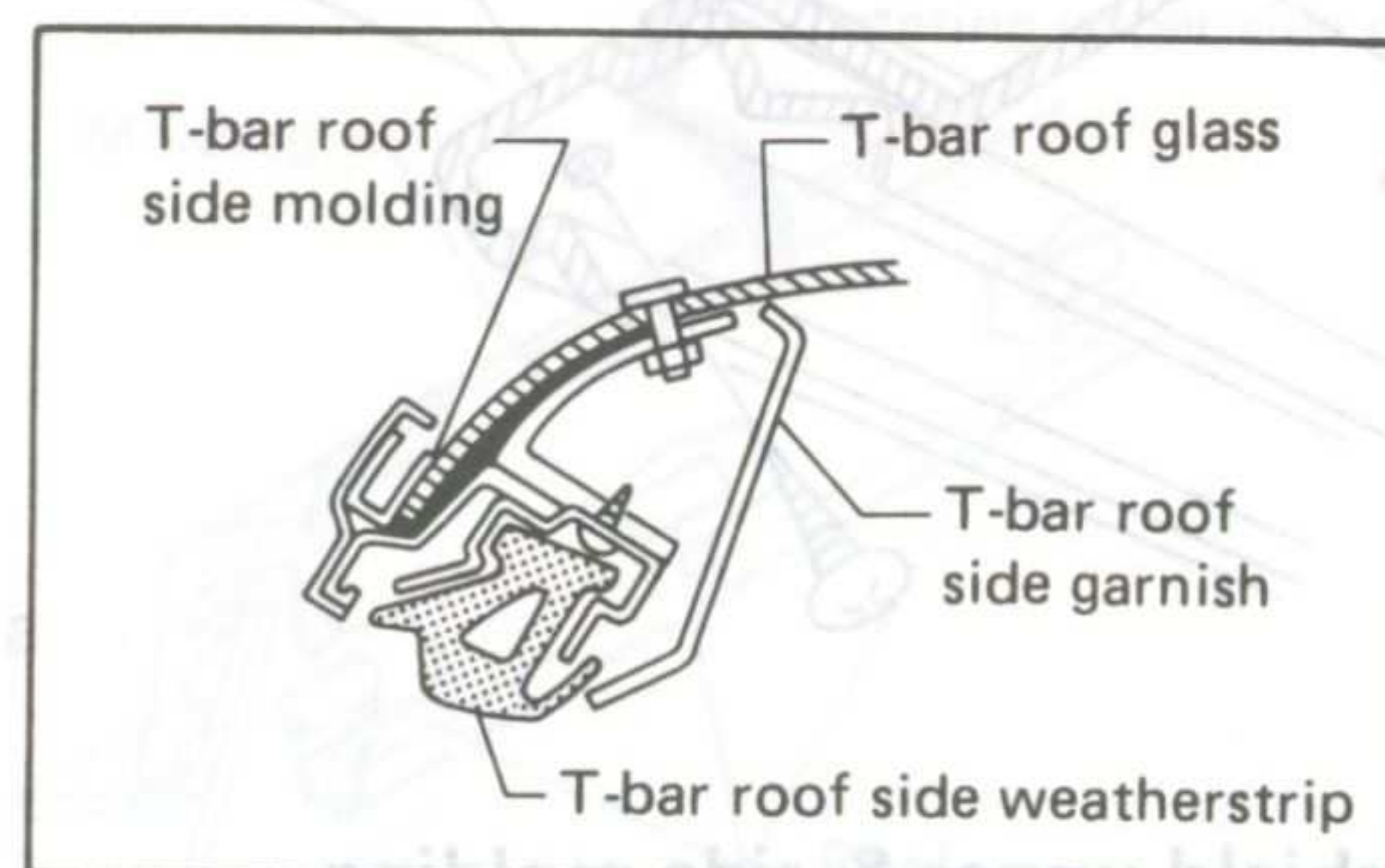
⑮ T-bar roof sash and T-bar roof side molding

They are part of the T-bar roof glass and cannot be removed. (Refer to T-bar Roof). If they are damaged, you should replace entire T-bar roof glass assembly.

⑯ T-bar roof weatherstrip



⑰ T-bar roof side weatherstrip



Always adjust if it is not sufficiently watertight.

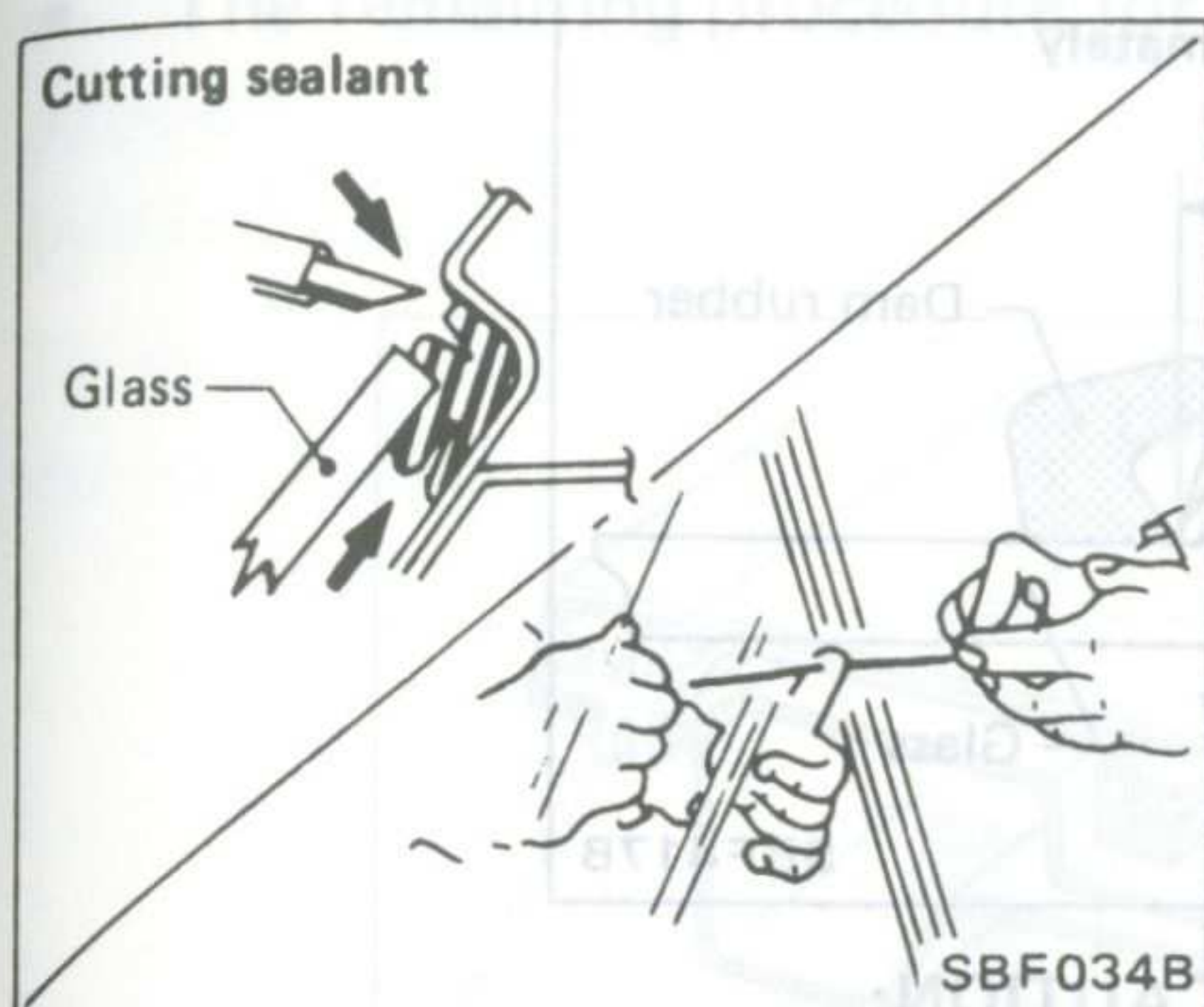
SBF436B

WINDSHIELD AND WINDOWS

Windshield

REMOVAL

After removing moldings, remove glass.



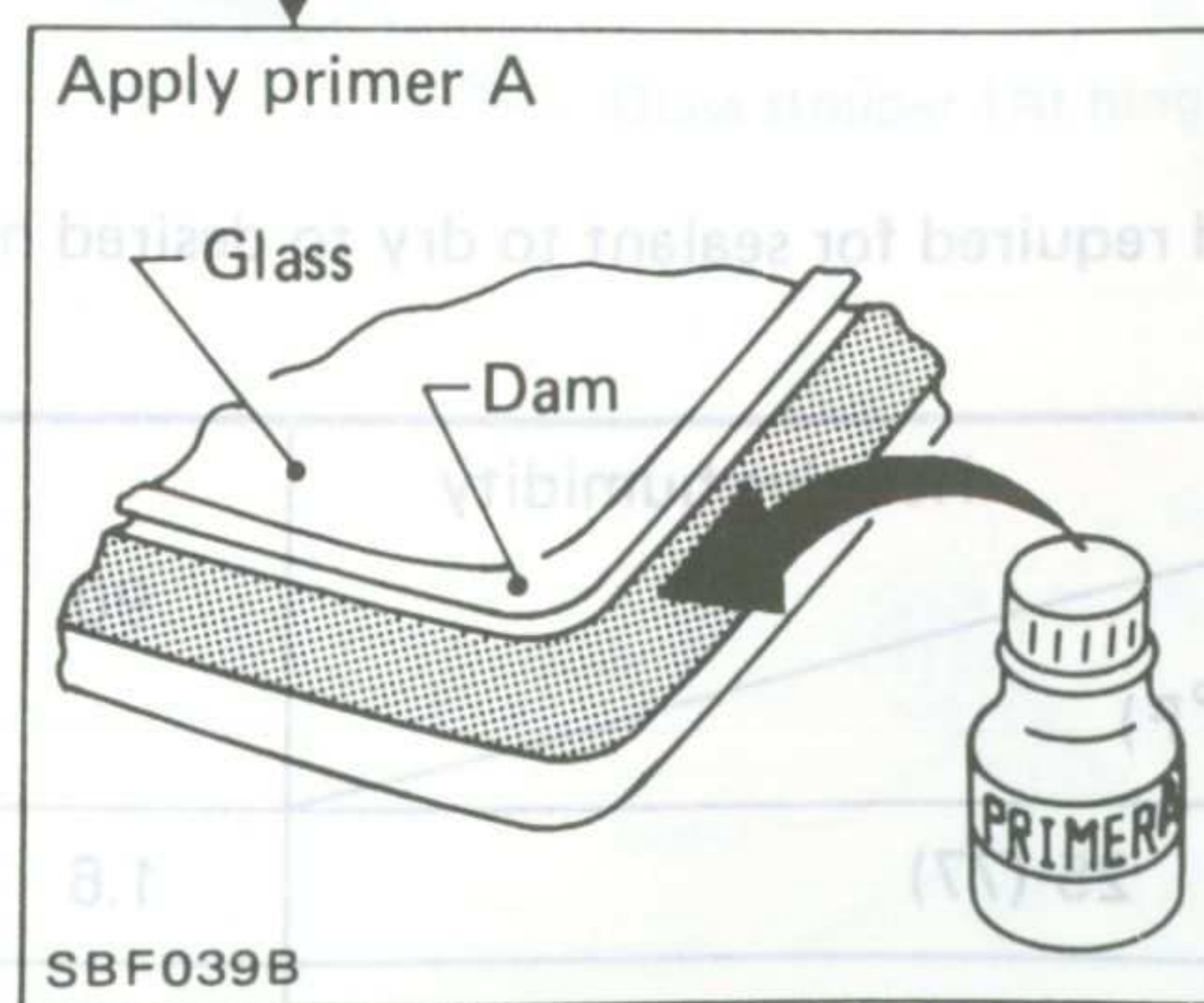
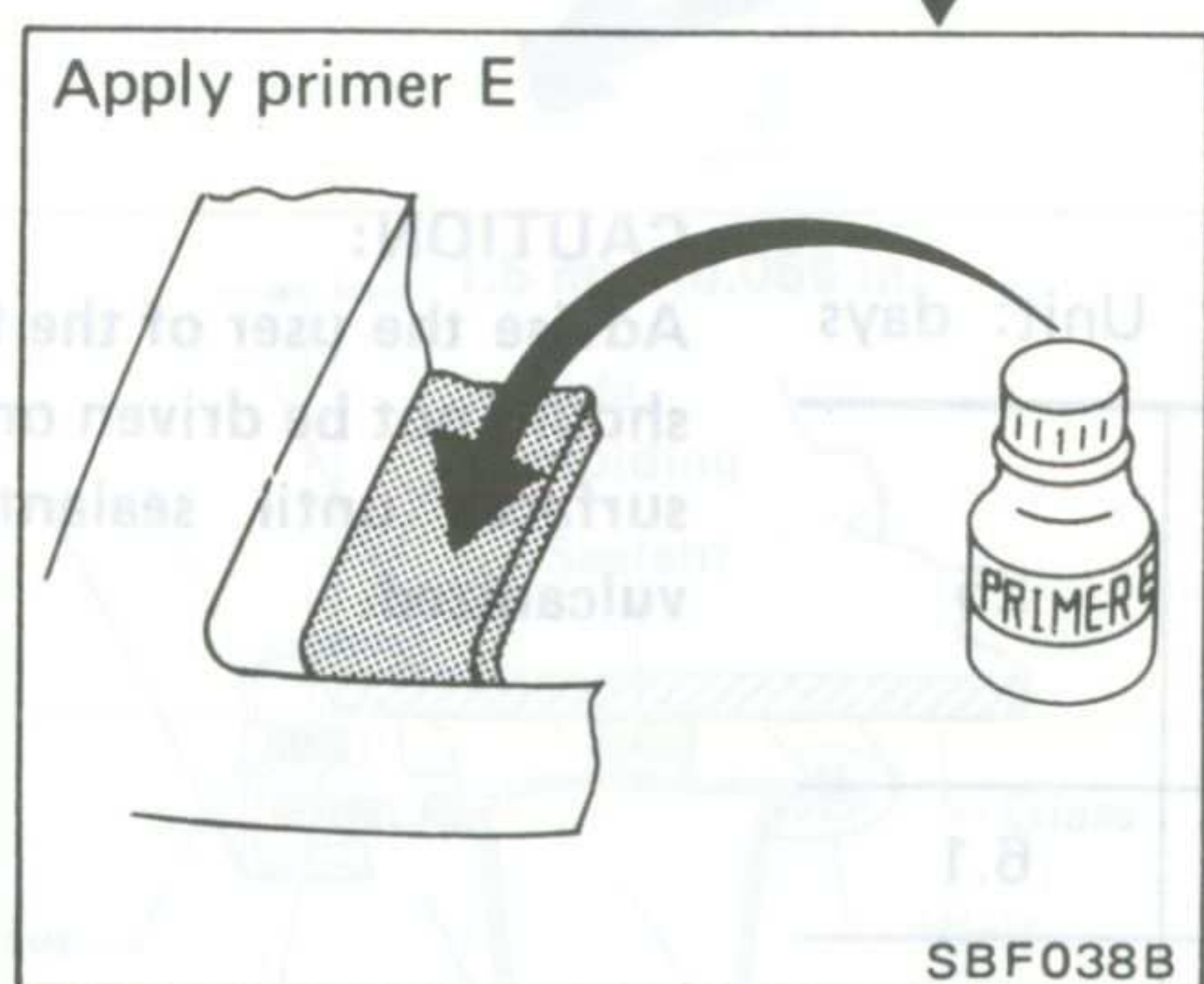
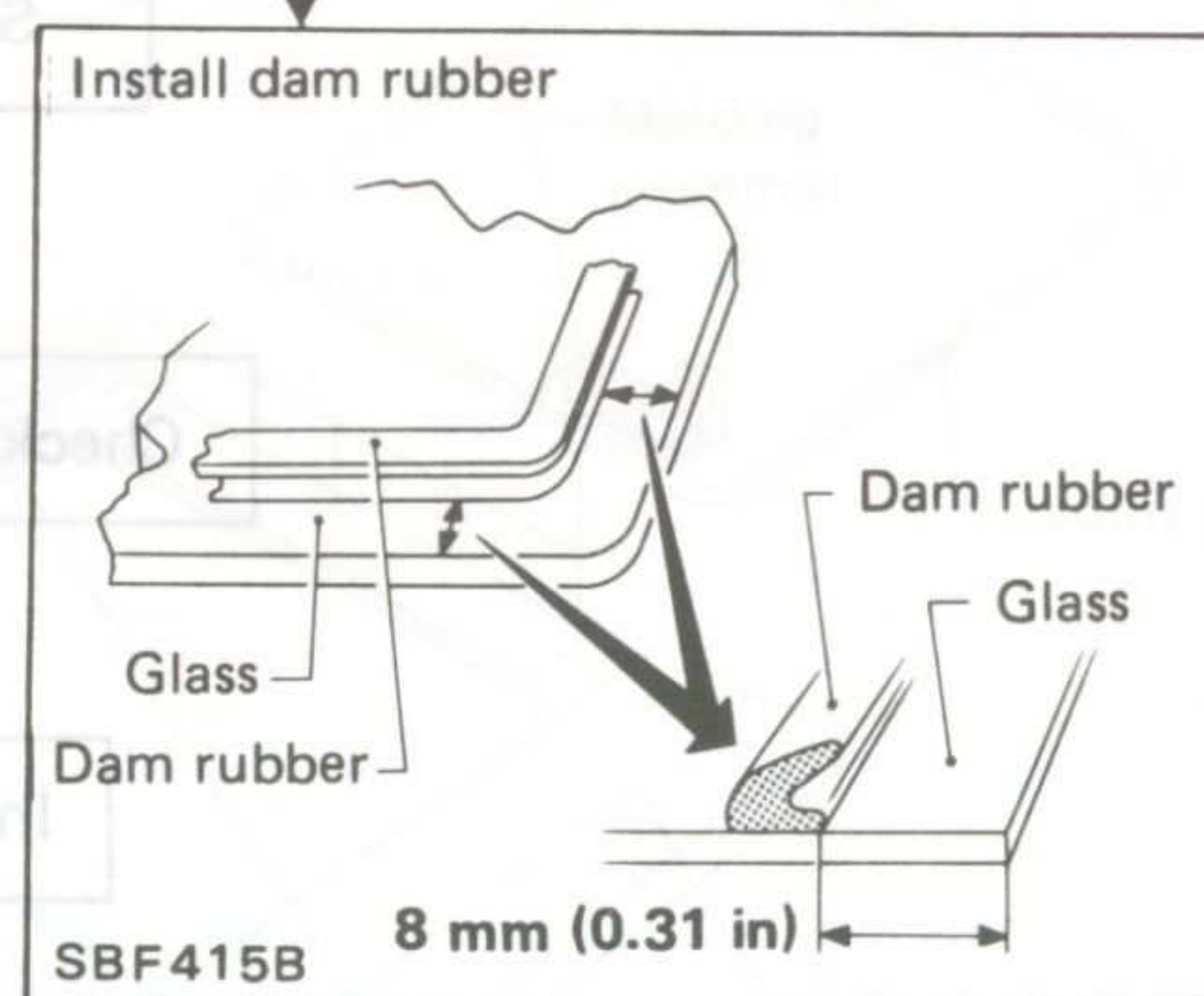
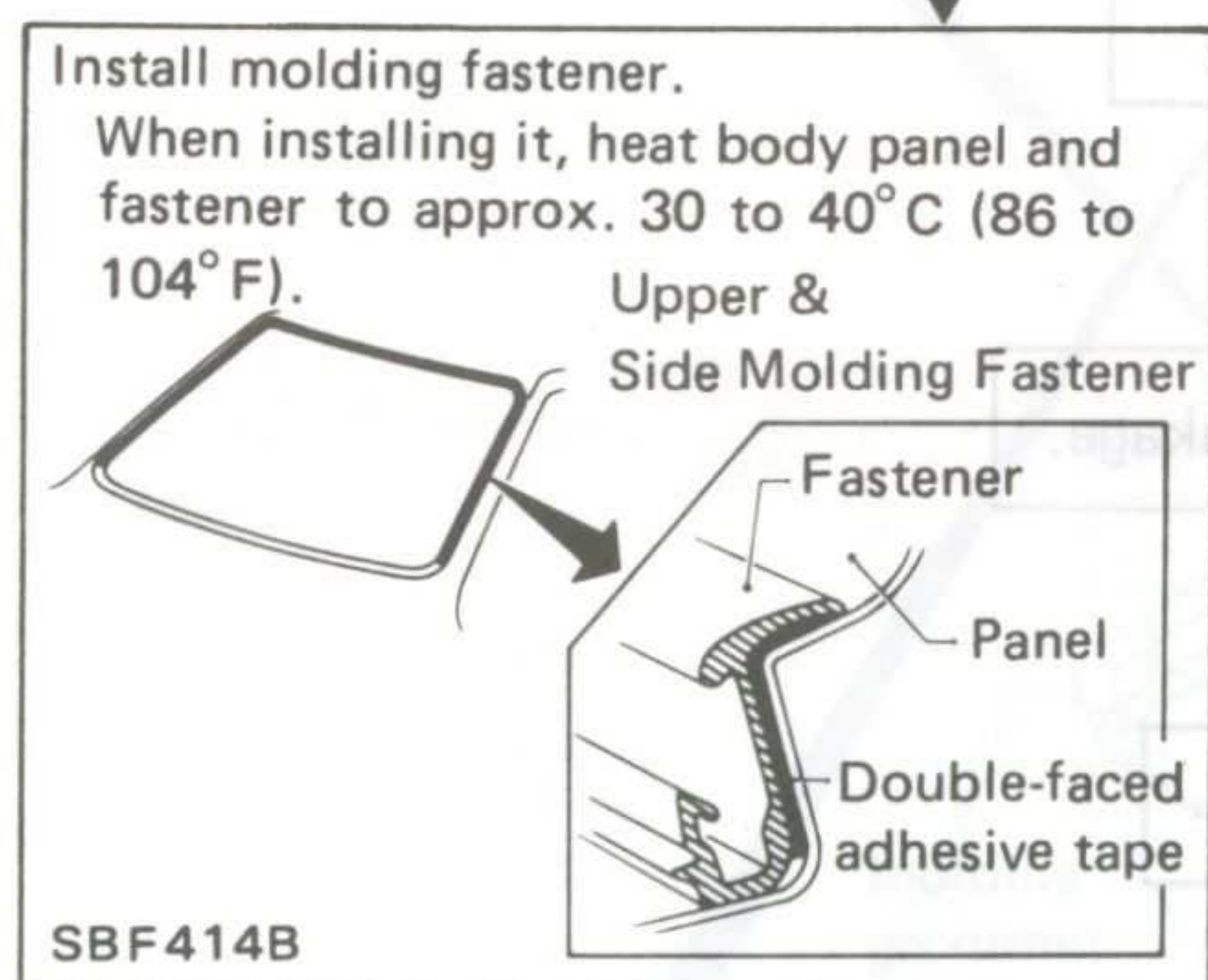
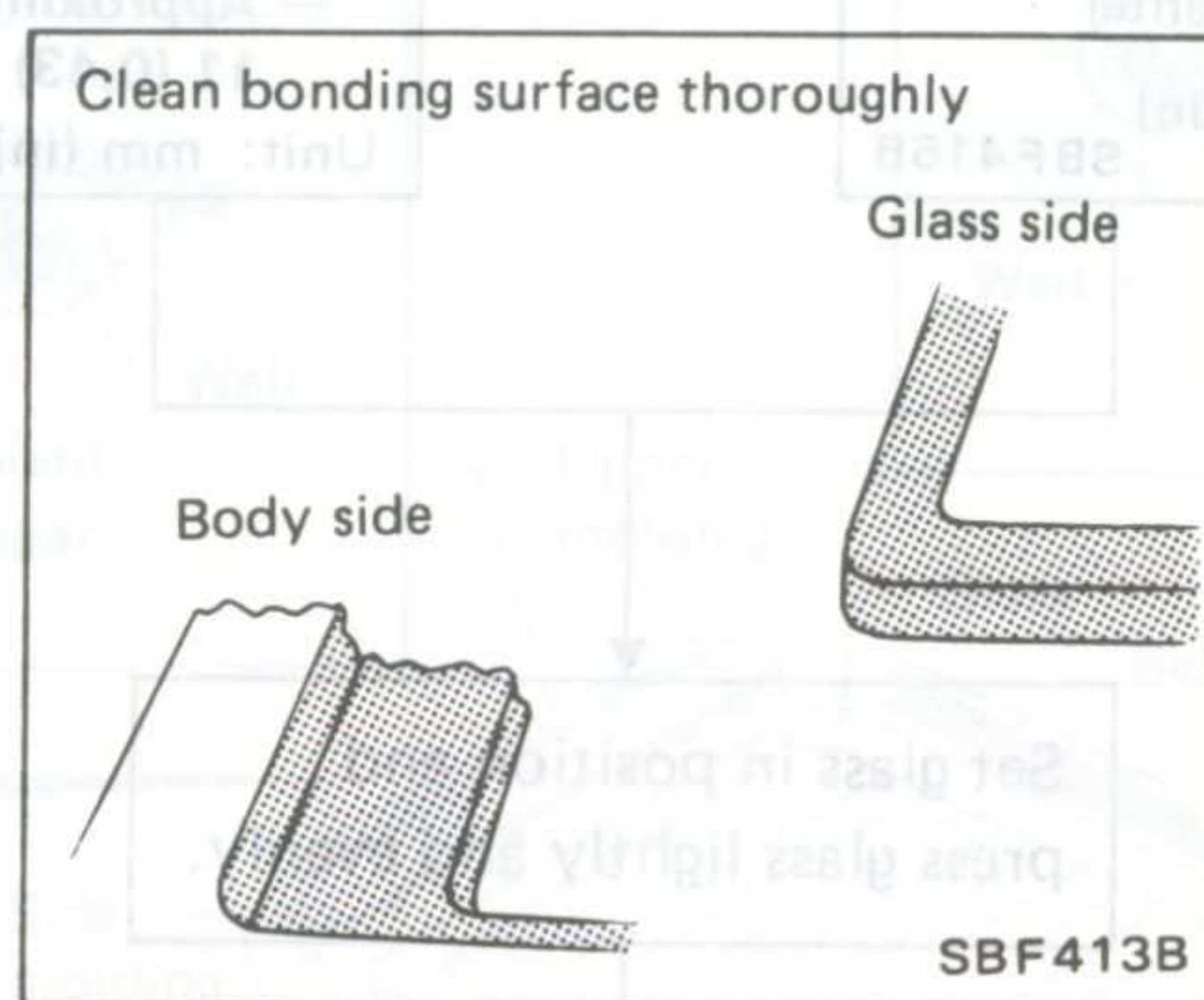
CAUTION:
Be careful not to scratch glass when removing.

INSTALLATION

- Use genuine Nissan Sealant kit or equivalent. Follow instructions furnished with it.
- After installation, the vehicle should remain stationary for about 24 hours.
- Do not use sealant which is more than 12 months past its production date.
- Do not leave cartridge unattended with its cap open.
- Keep Primers and sealant in a cool, dry place. Ideally, sealant should be stored in a refrigerator.

WARNING:

Keep heat or open flames away as Primers are flammable.

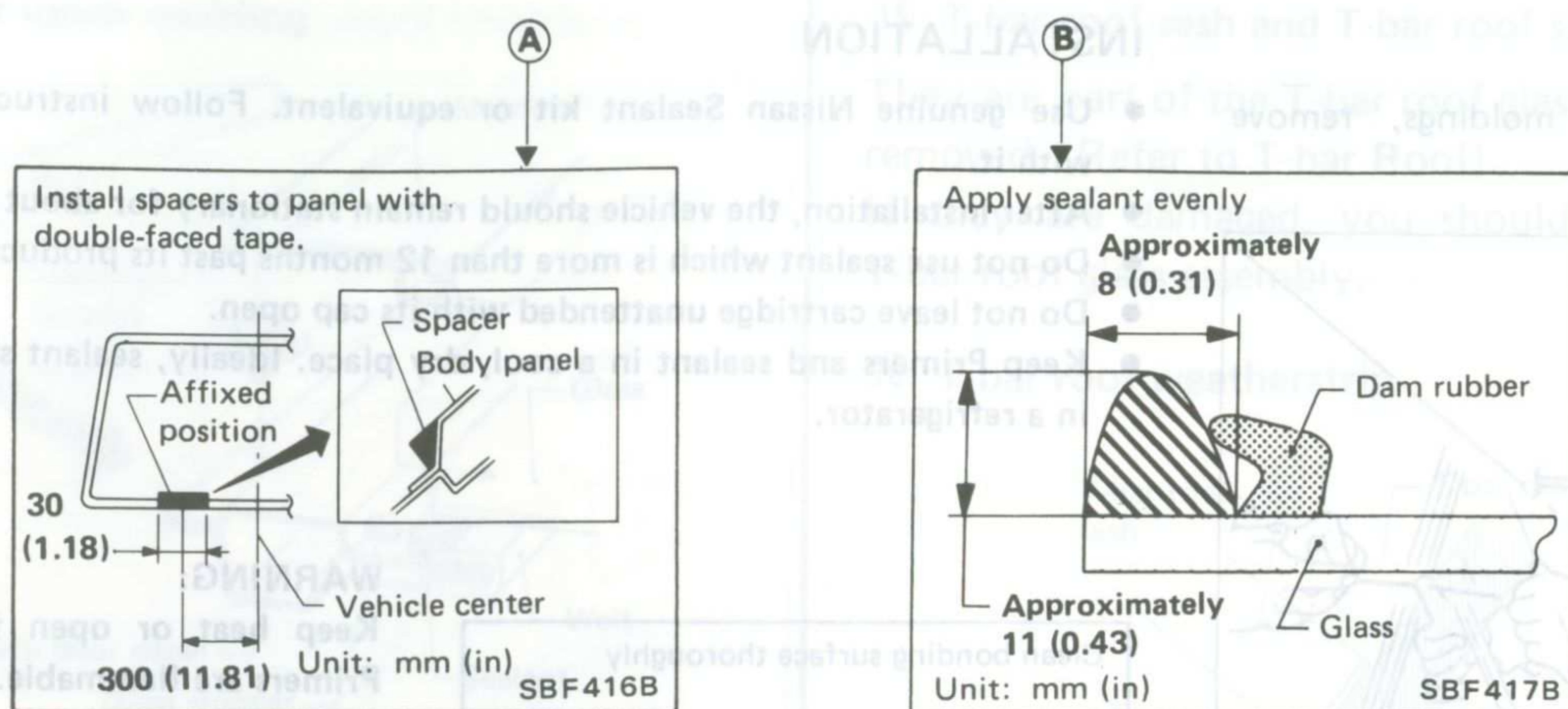


CAUTION:
Allow Primers to dry for 10 to 15 minutes before proceeding to the next step.

CAUTION:
Do not apply Primer A to windshield opening flanges.

WINDSHIELD AND WINDOWS

Windshield (Cont'd)



CAUTION:

Windshield glass should be installed within 15 minutes of applying sealant: sealant starts to harden 15 minutes after it is applied.

Set glass in position and press glass lightly and evenly.

Set moldings.

Check for water leakage.

Install molding.

Reference: Period required for sealant to dry to desired hardness.

Unit: days

Relative humidity %	90	50	25
Temperature °C (°F)			
25 (77)	1.6	2.9	6.1
5 (41)	3.5	9.1	15.0

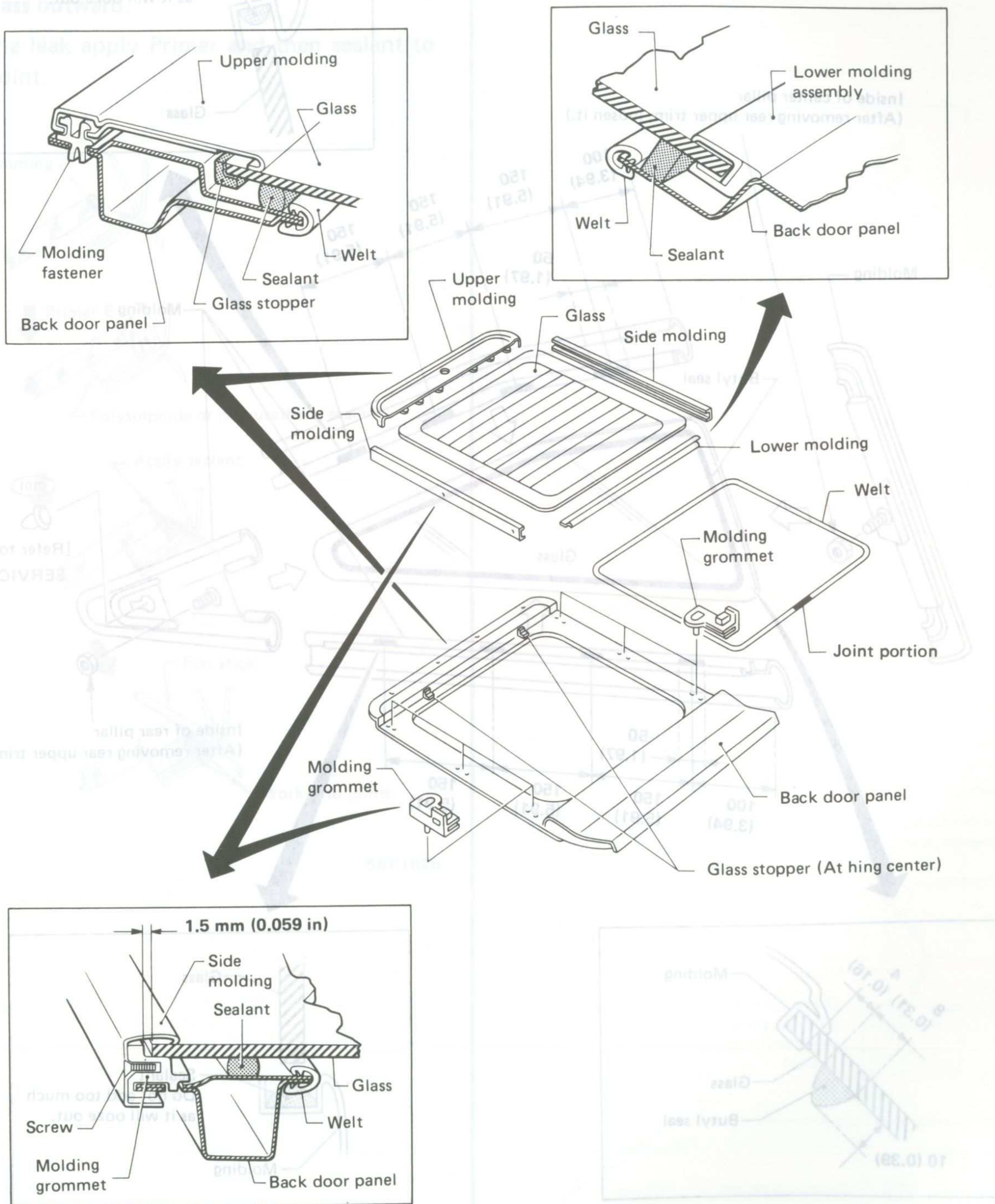
CAUTION:

Advise the user of the fact that vehicle should not be driven on rough roads or surfaces until sealant has properly vulcanized.

WINDSHIELD AND WINDOWS

Back Door Window

- Attach the lower molding to the glass before installing the glass.
- Attach the glass stopper (glass upper portion) and the side molding grommet to the panel before installing the glass.
- The remaining procedure for removal and installation is the same as that for the windshield.

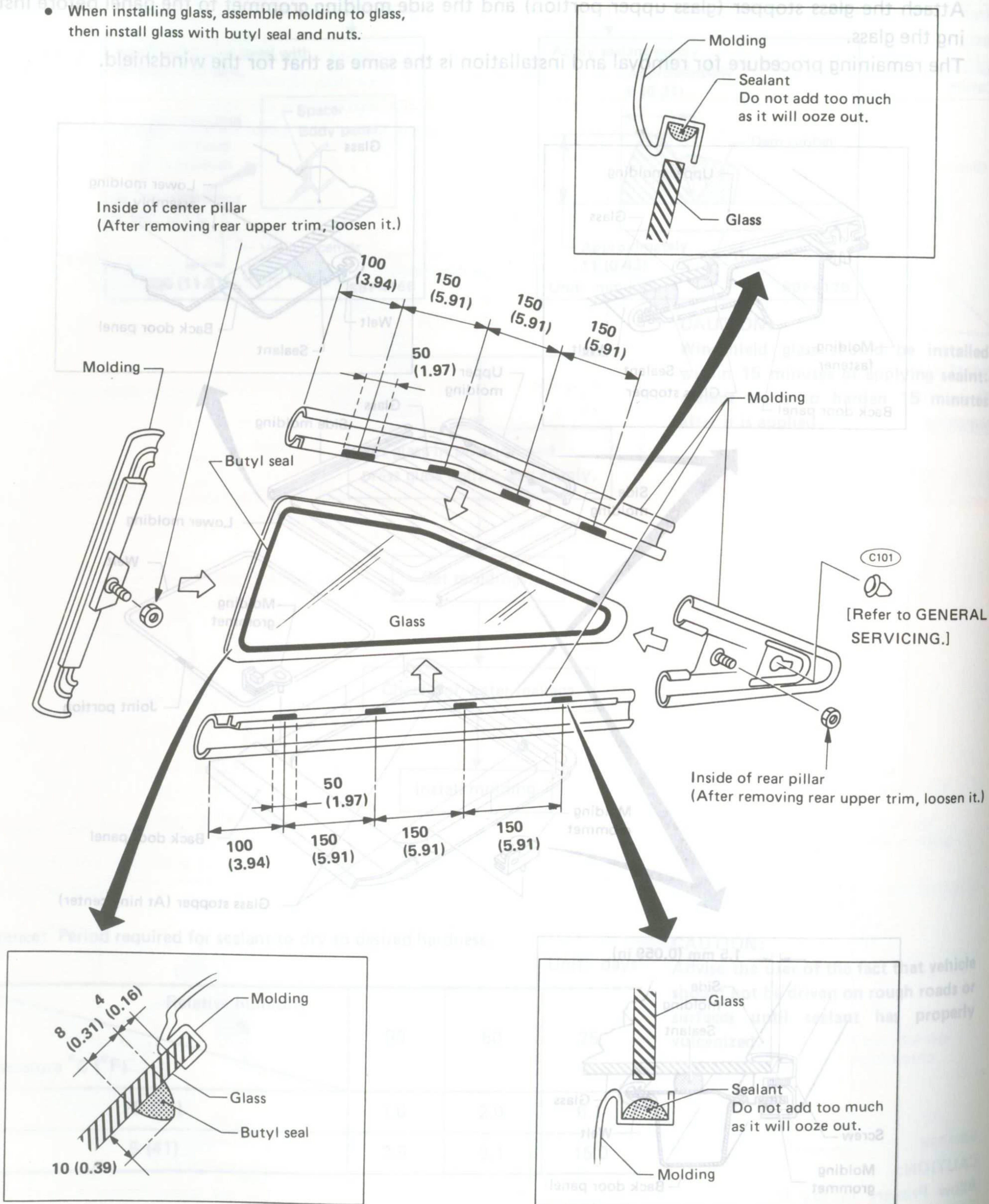


SBF419B

WINDSHIELD AND WINDOWS

Side Window

- When installing glass, assemble molding to glass, then install glass with butyl seal and nuts.



Unit: mm (in) SBF418B

WINDSHIELD AND WINDOWS

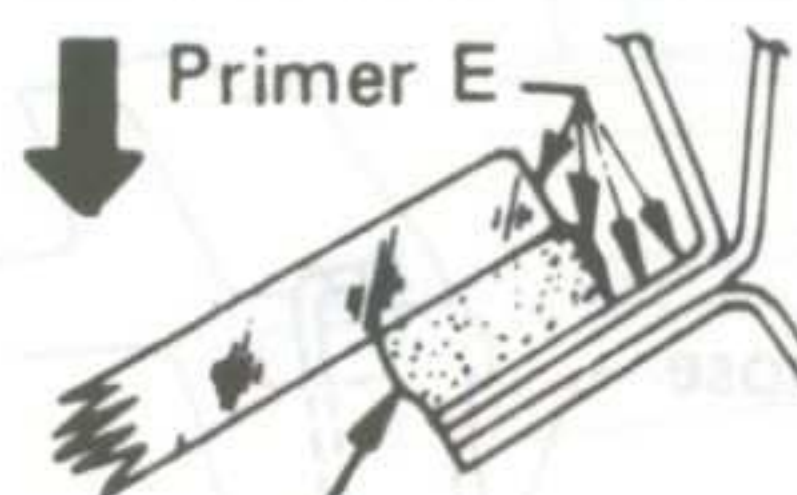
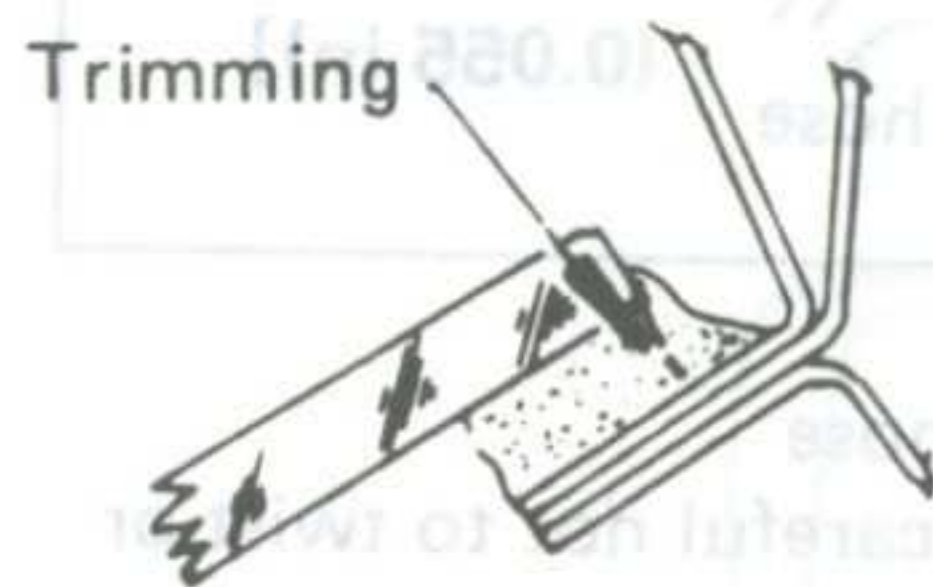
Repairing Leaks

Leaks can be repaired without removing and re-installing glass.

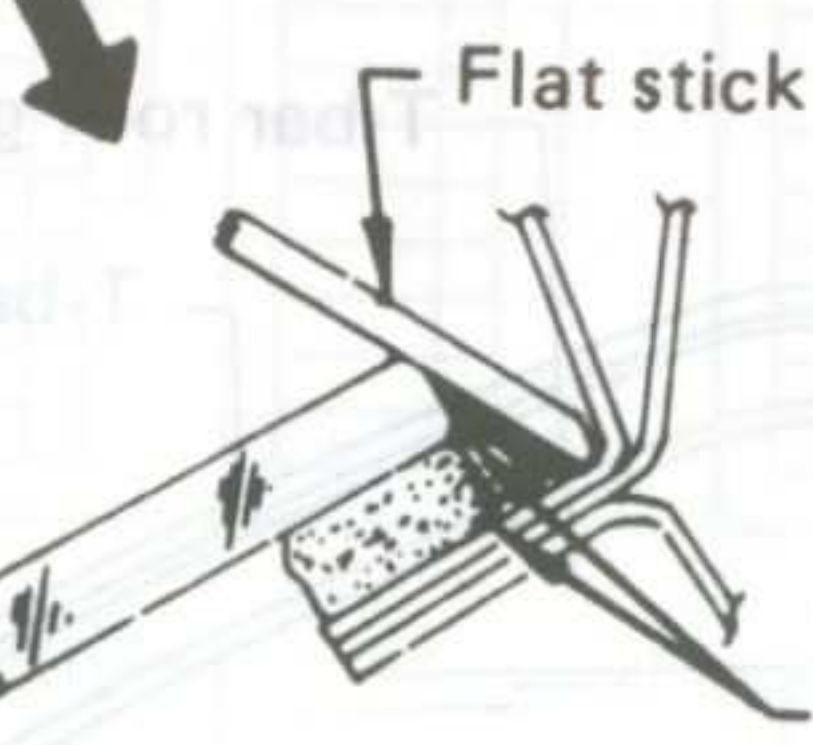
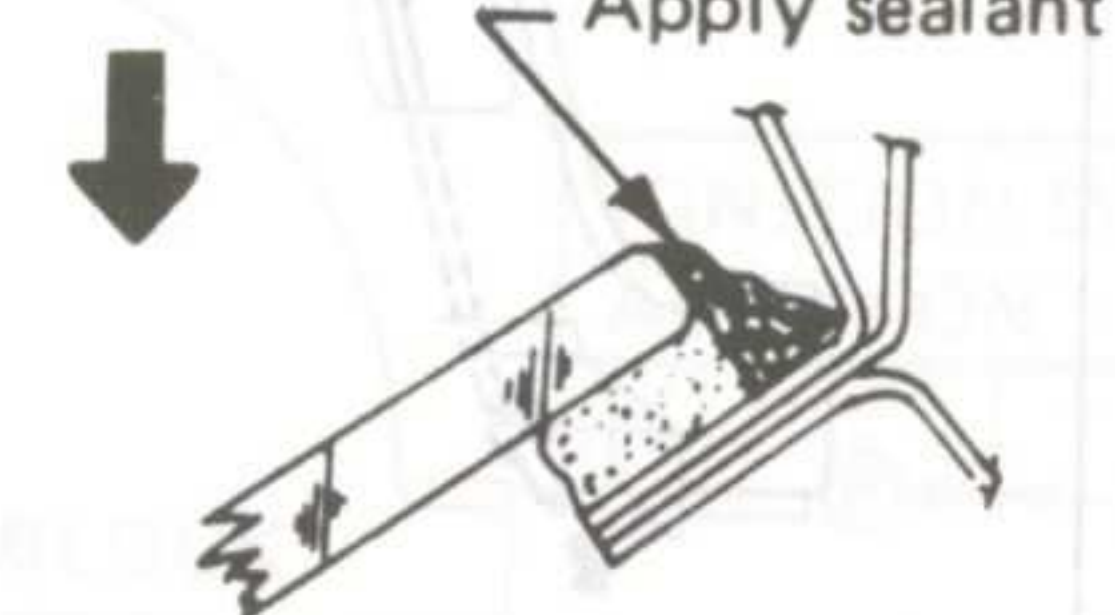
If water is leaking between caulking material and body or between glass and caulking material, determine extent of leak by applying water while pushing glass outward.

To stop the leak apply Primer and then sealant to the leak point.

Trimming



Polysulphide or polyurethane sealant



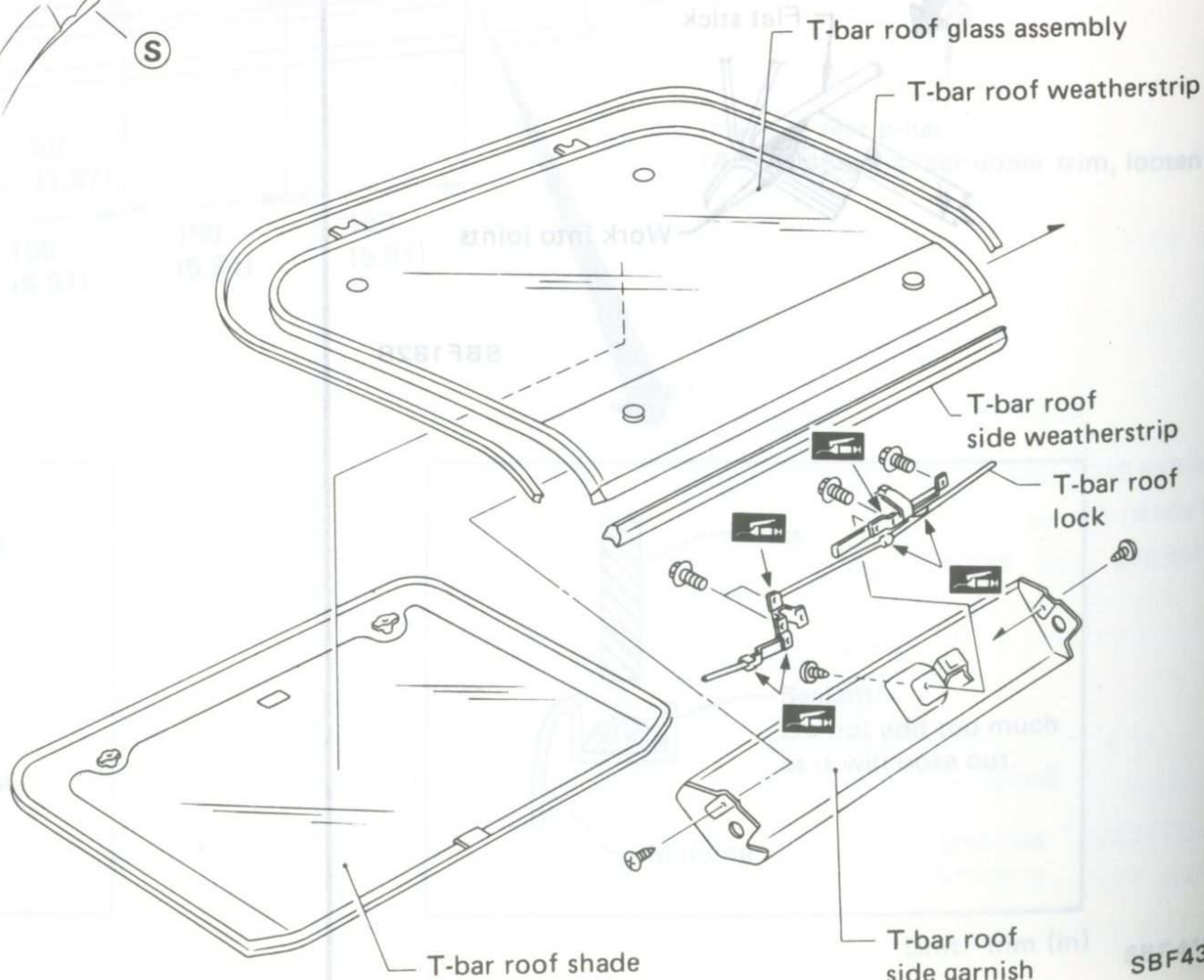
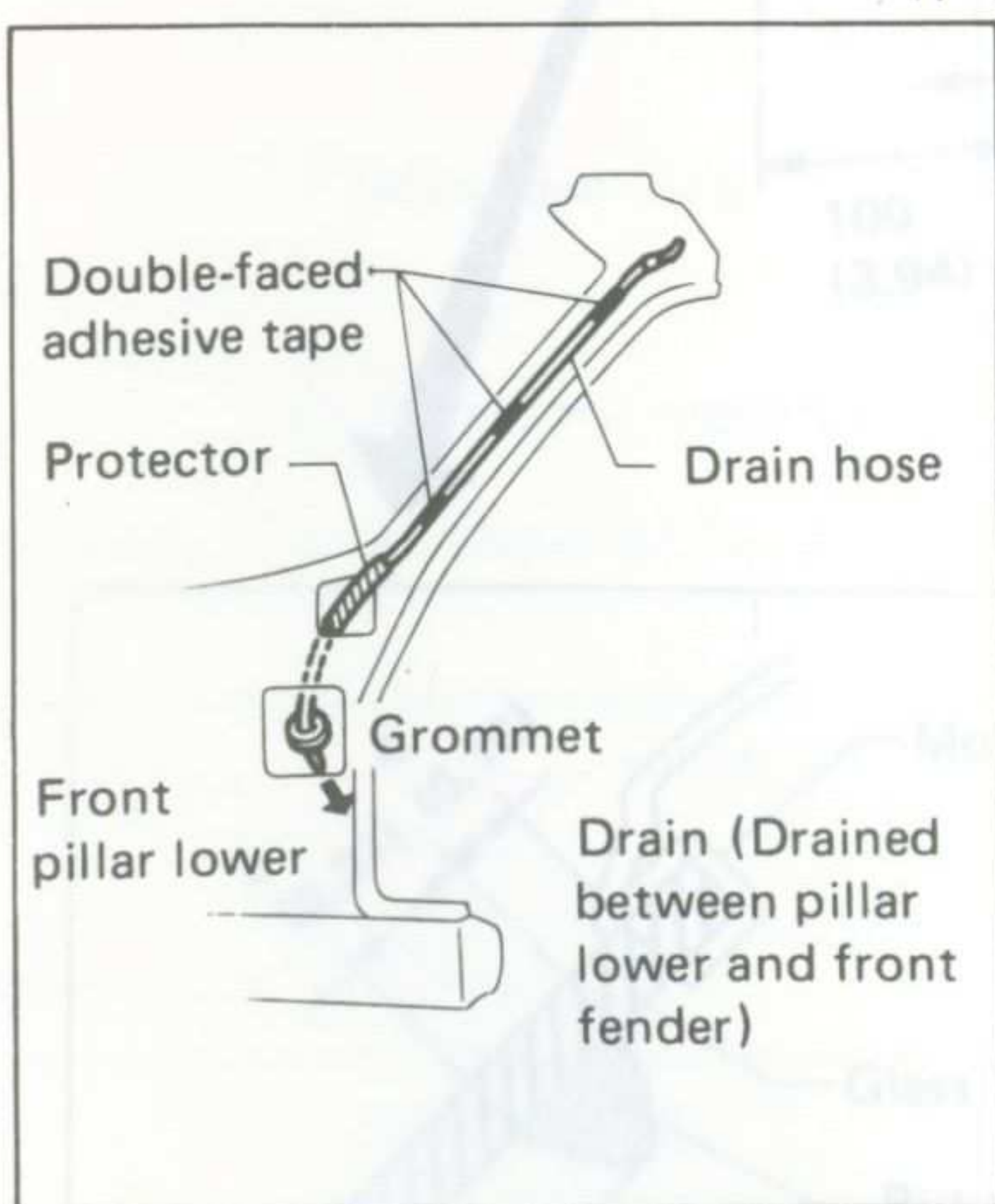
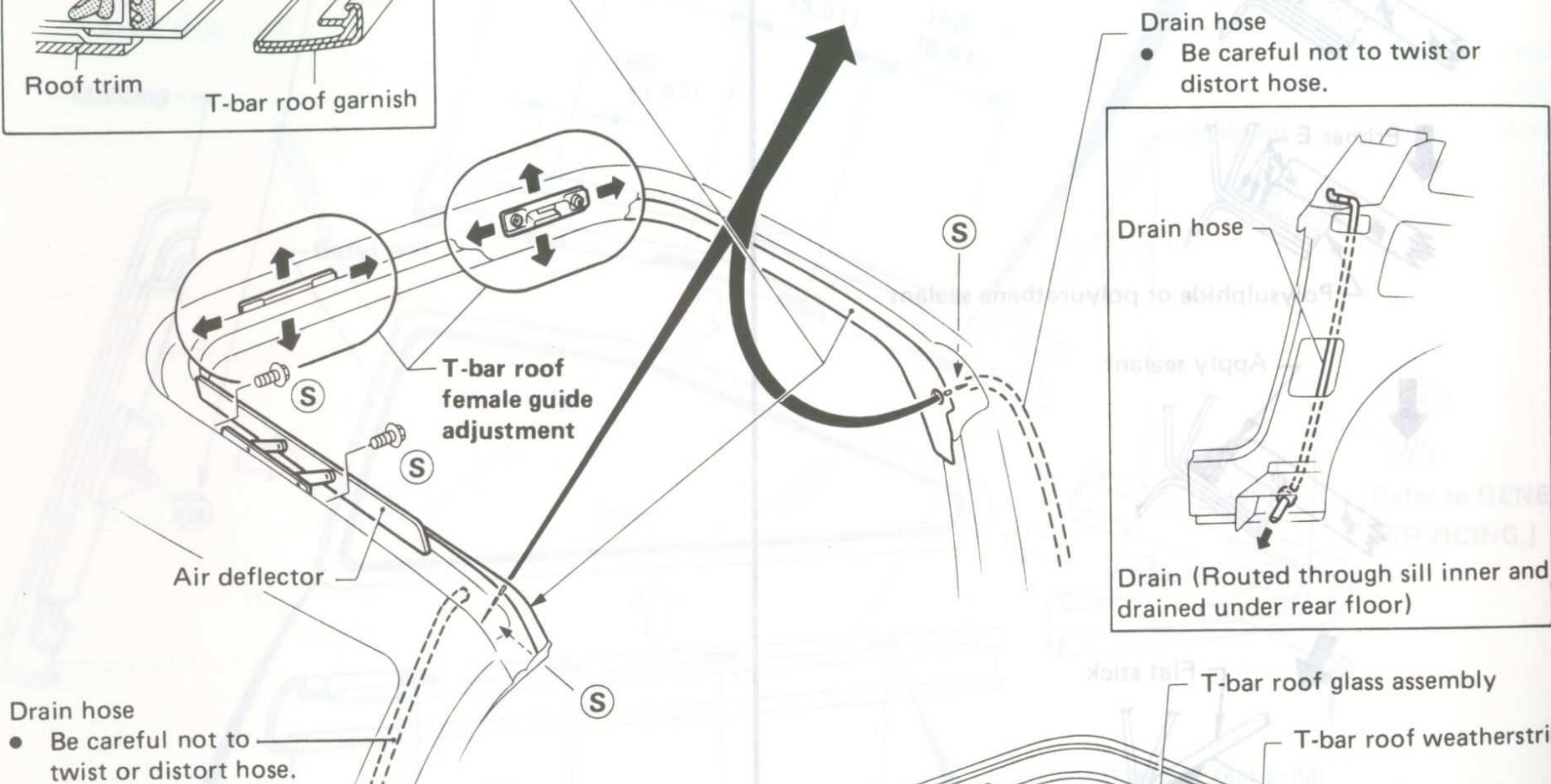
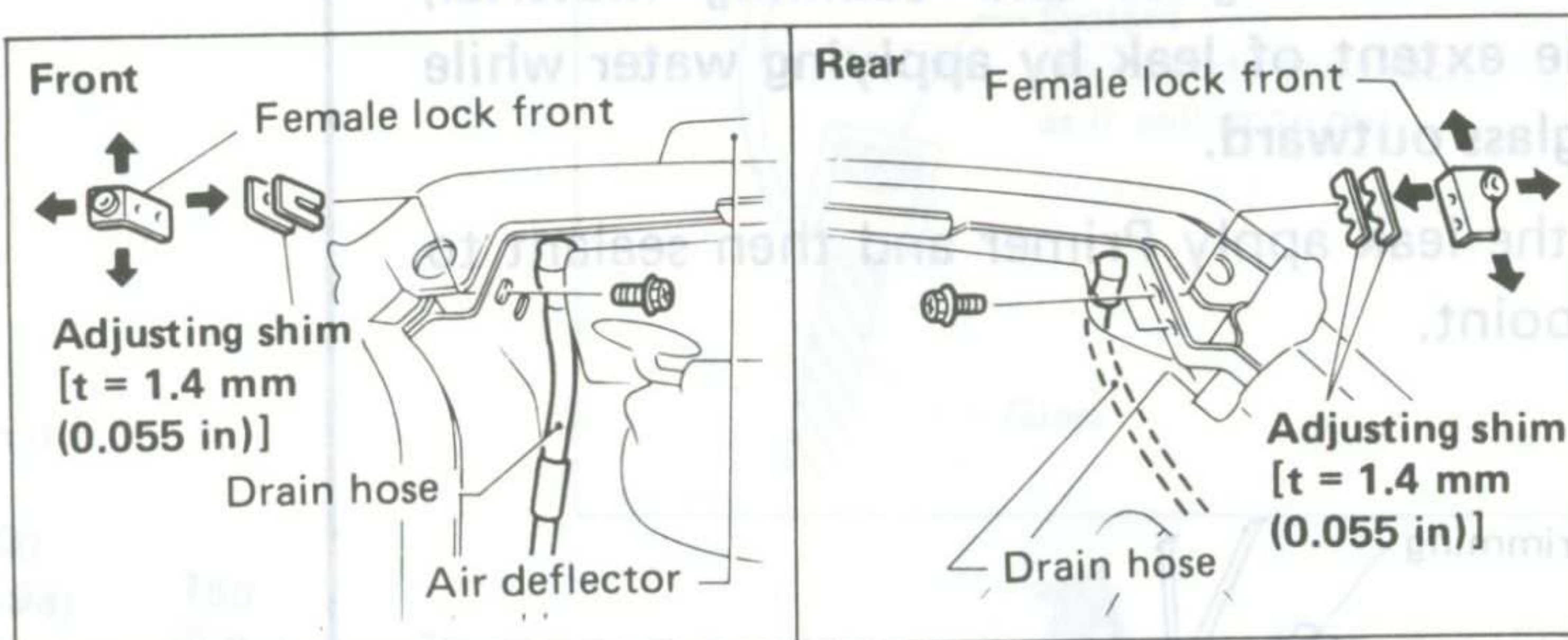
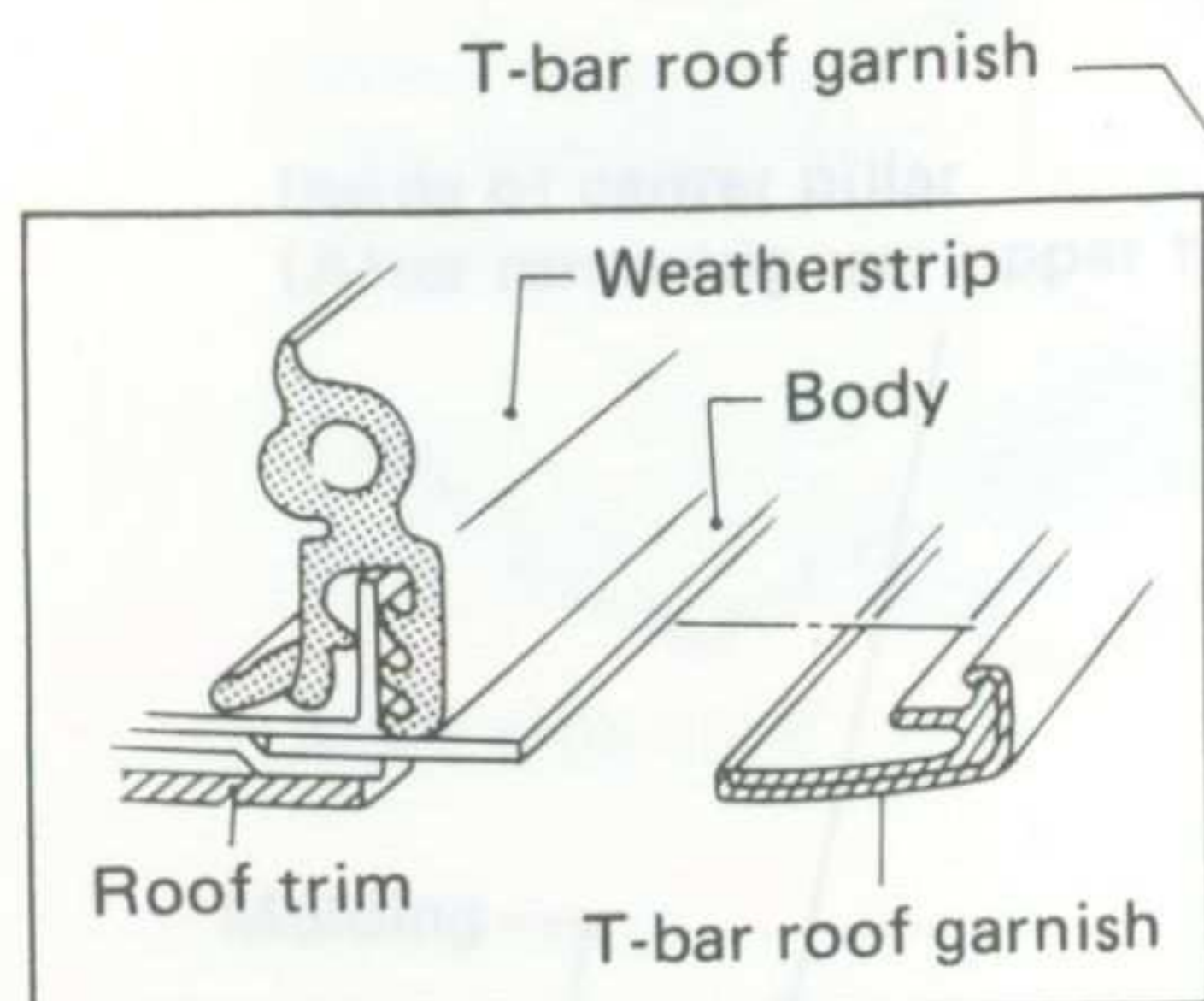
Work into joints

SBF182B

WINDSHIELDS T-BAR ROOF

- Handle T-bar roof glass with care so not to damage it.
- Apply sealant to portions susceptible to water leakage if necessary.
- Side molding, sash, lock basement and glass of T-bar roof constitute one unit and cannot be disassembled.

T-bar roof female lock adjustment



- : Grease-up points
- Ⓢ : Sealant point

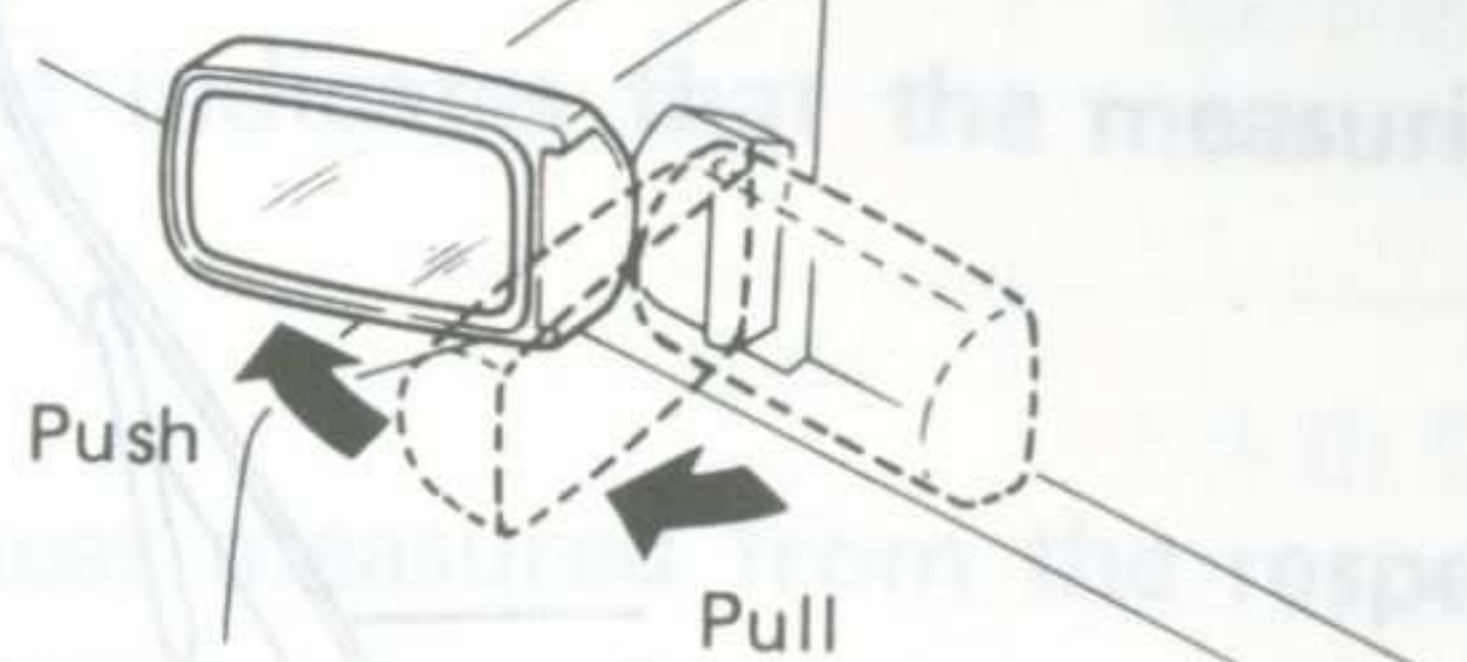
SBF437B

MIRROR

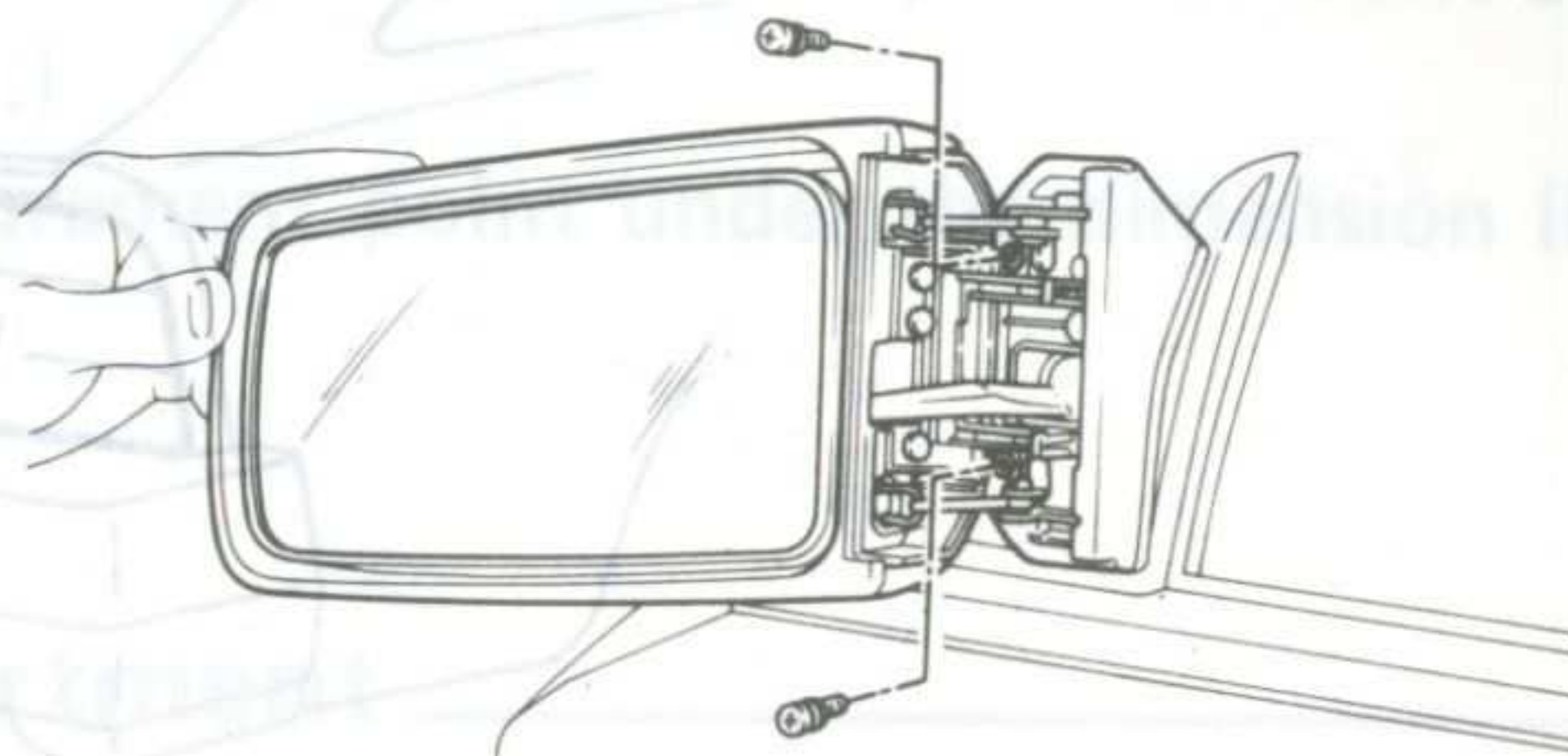
Door Mirror

Initial setting (For P.D.I.)

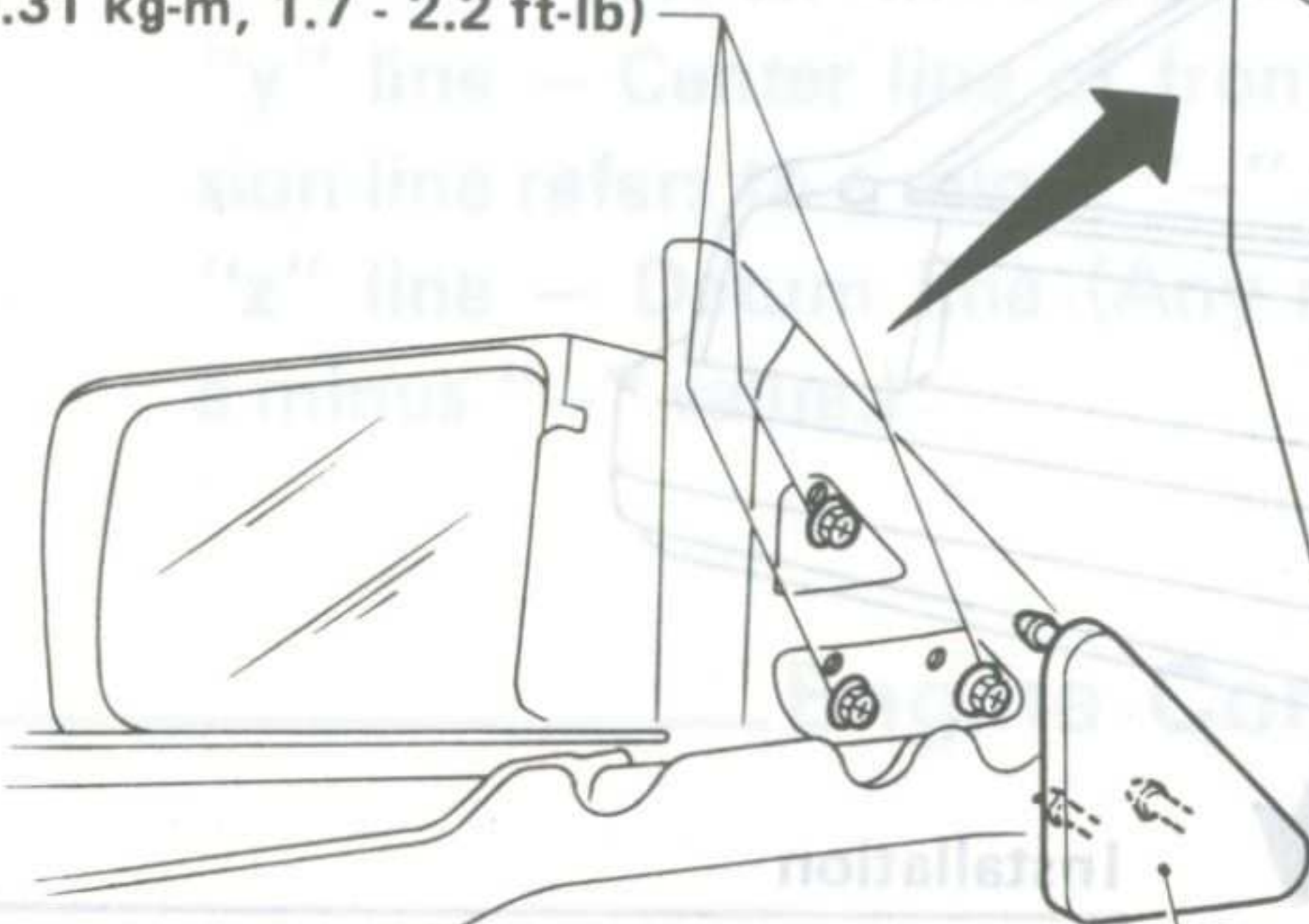
- 1 Pull the mirror out and push it up.



- 2 Secure the mirror with two retaining screws.



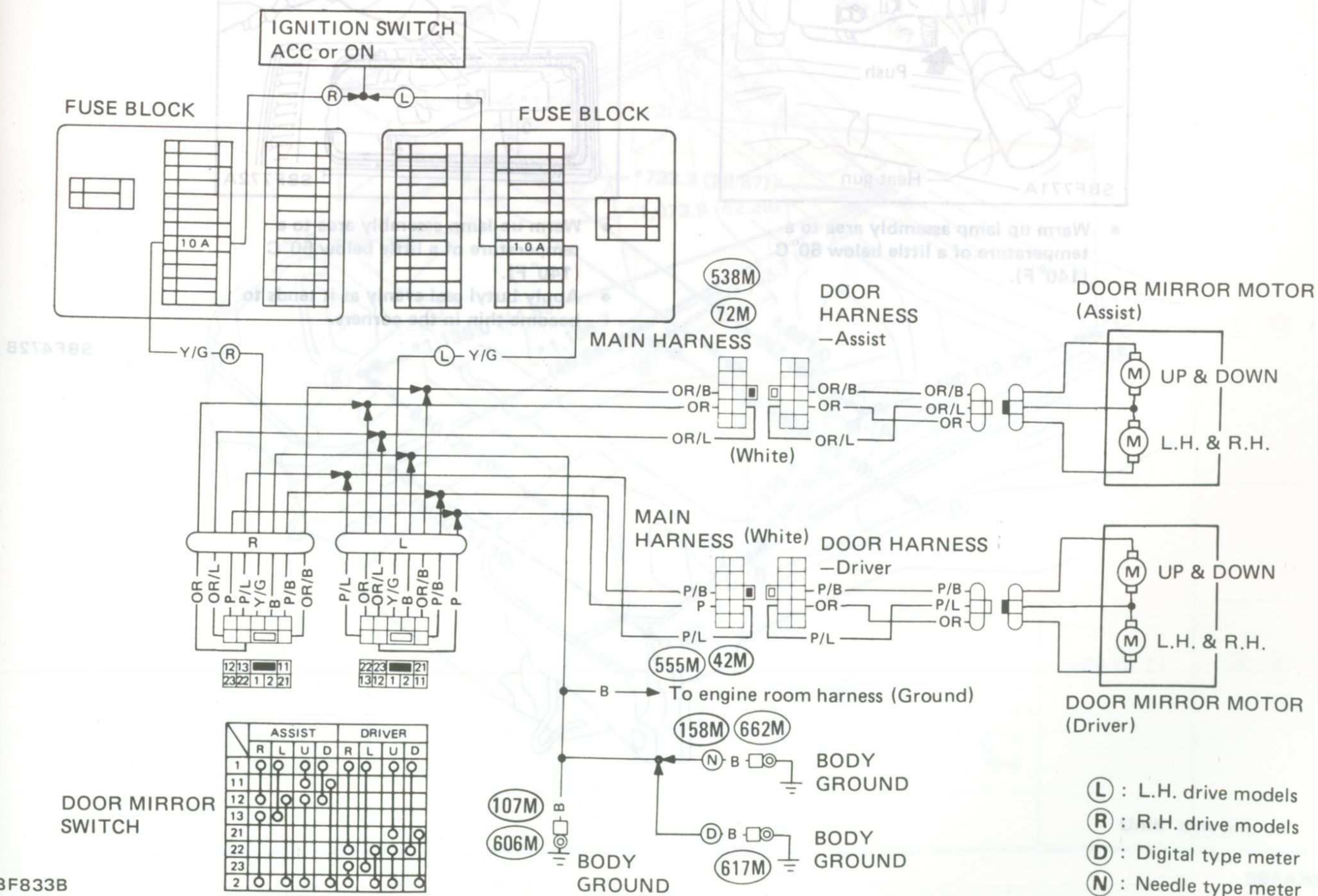
2.3 - 3.0 N·m
(0.23 - 0.31 kg-m, 1.7 - 2.2 ft-lb)



Door corner finisher

SBF835B

ELECTRICAL REMOTE CONTROL DOOR MIRROR/WIRING DIAGRAM

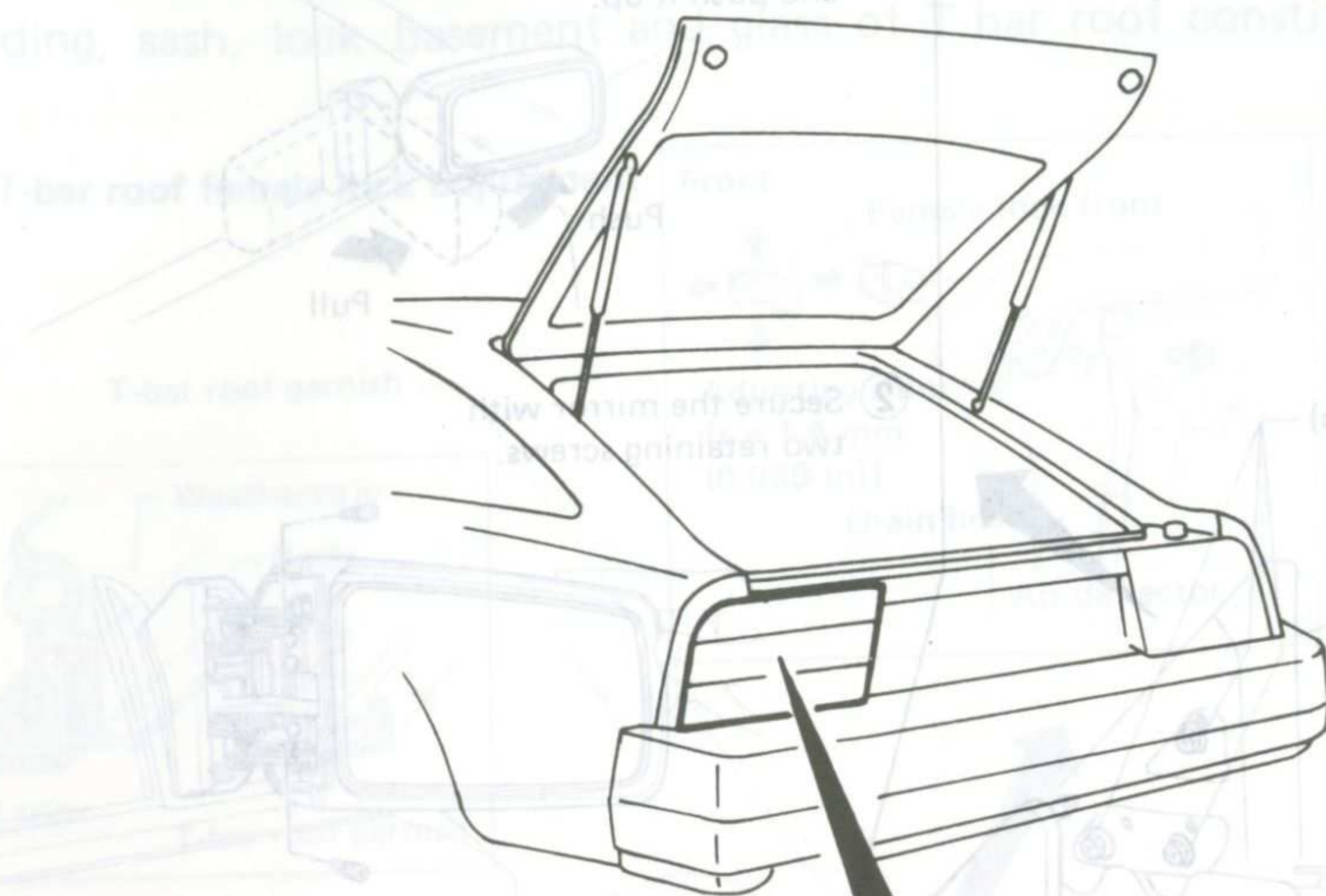


SBF833B

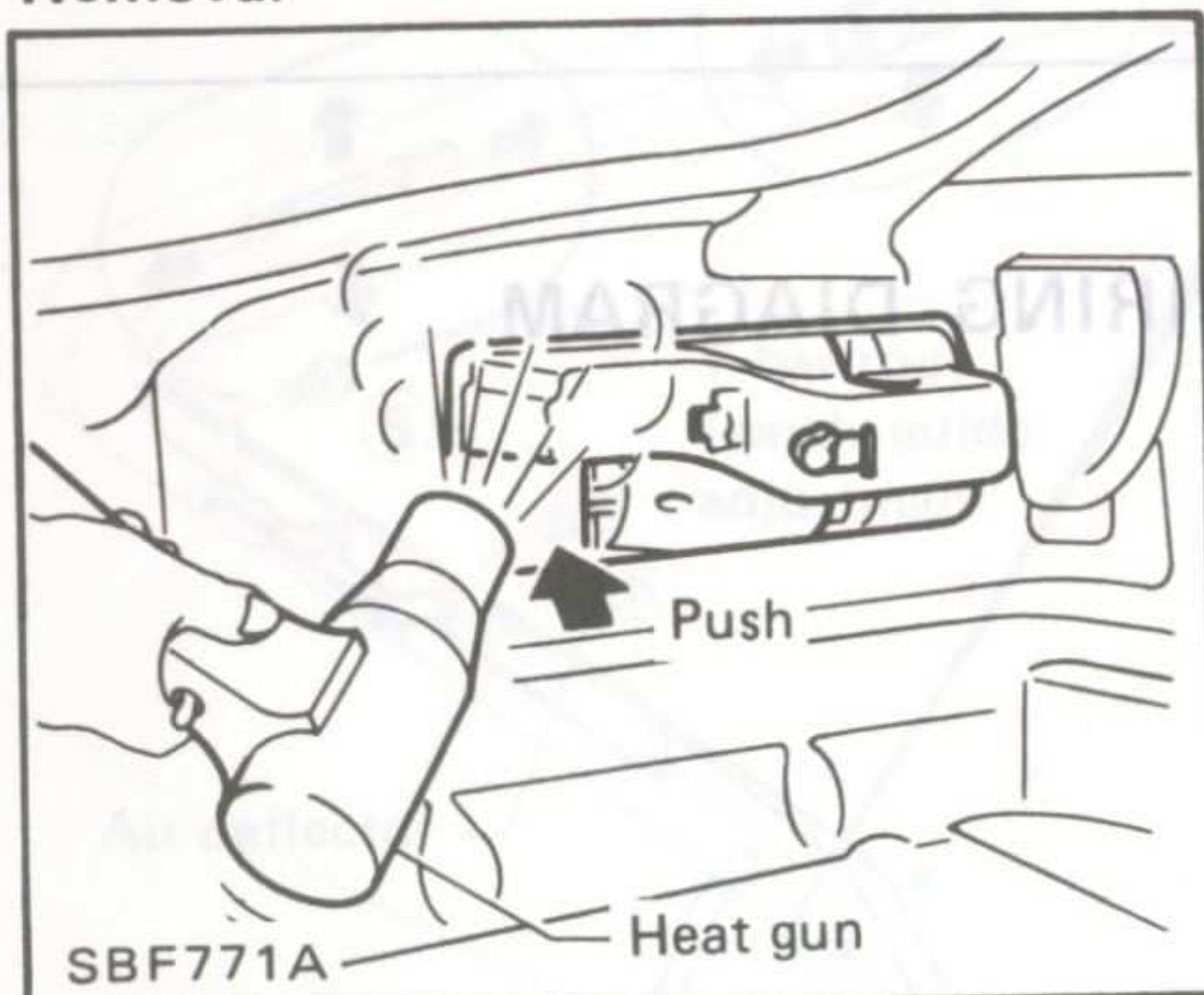
REAR COMBINATION LAMP

Removal and Installation

- Rear combination lamps are installed with nuts and butyl sealant.

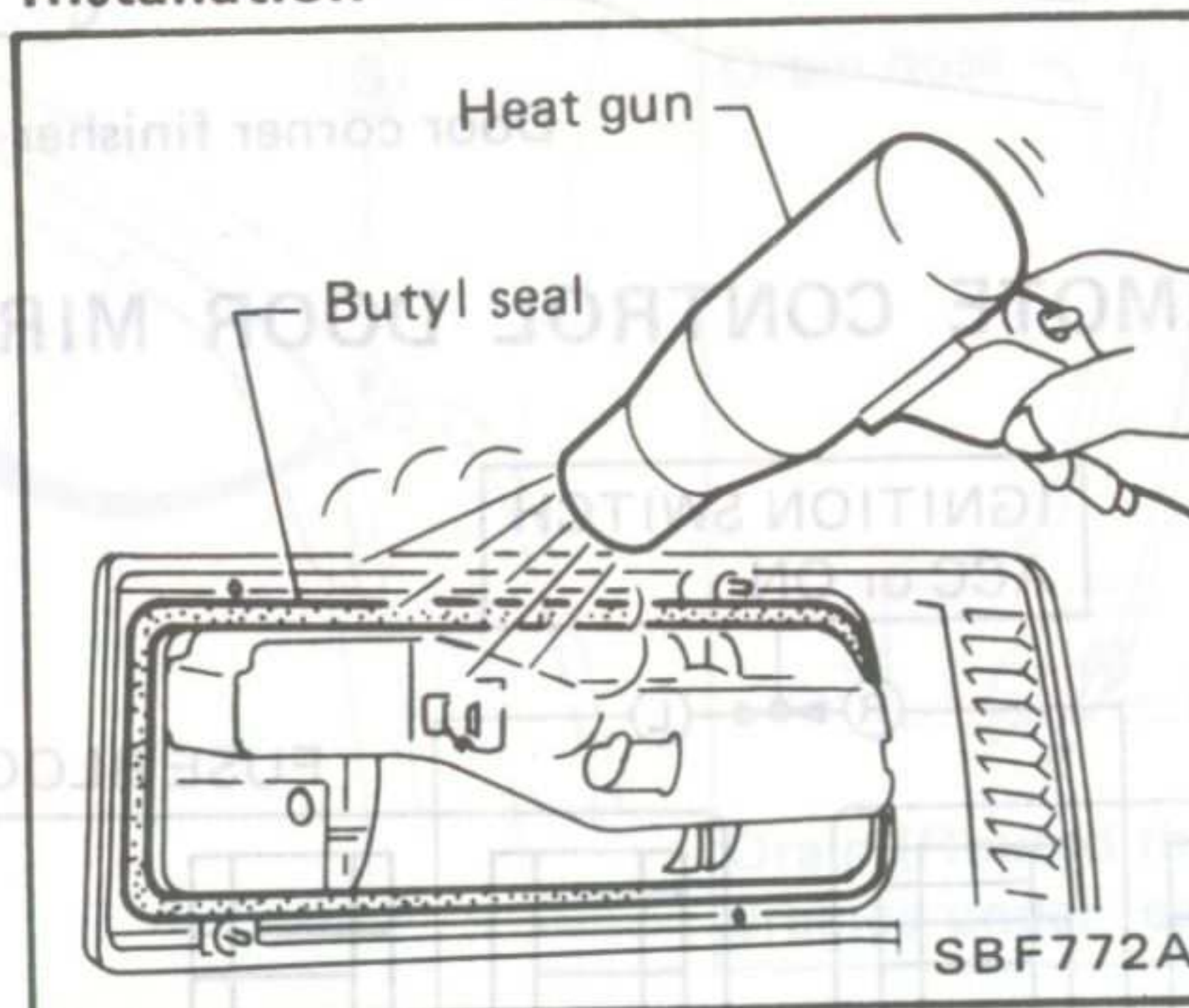


Removal



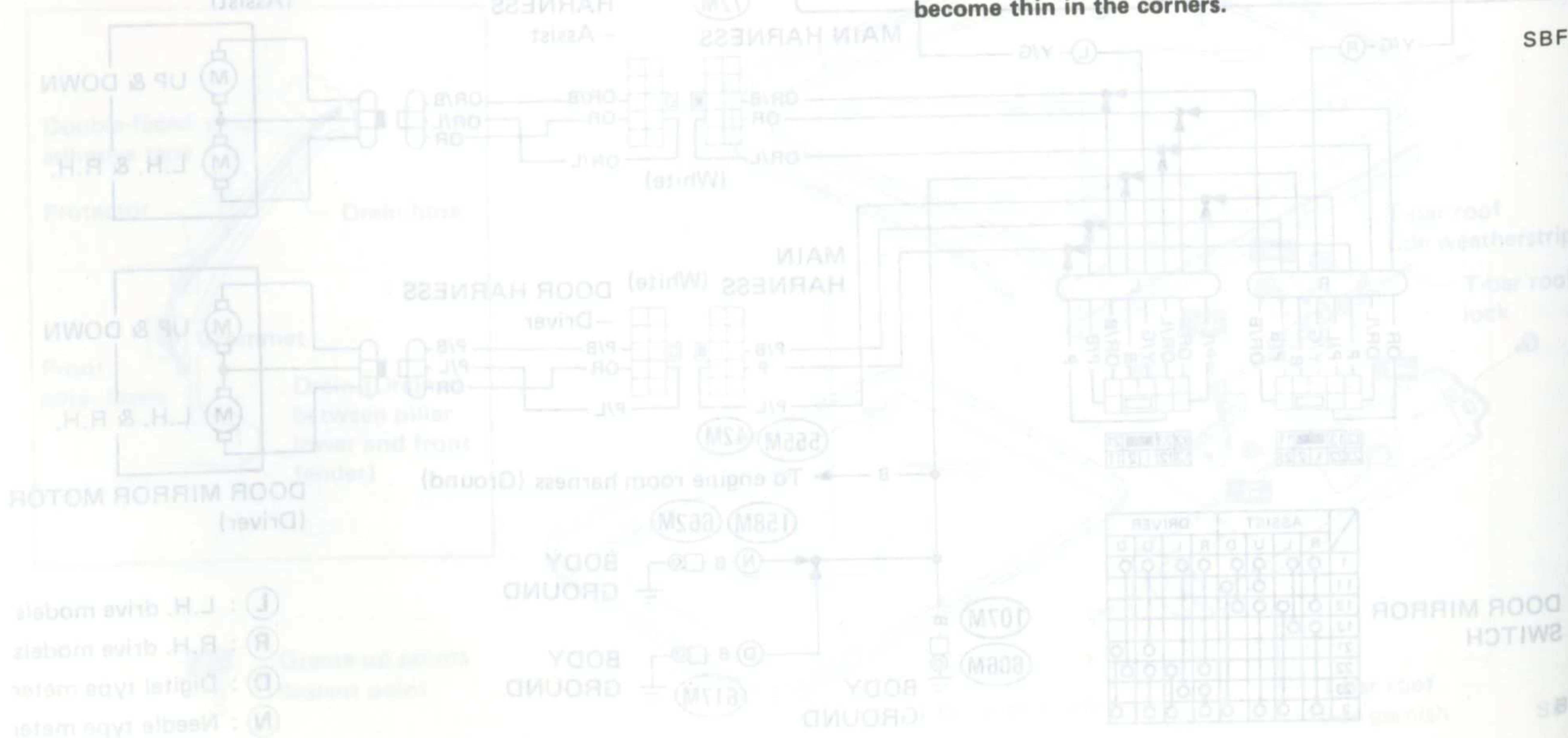
- Warm up lamp assembly area to a temperature of a little below 60°C (140°F).

Installation



- Warm up lamp assembly area to a temperature of a little below 60°C (140°F).
- Apply butyl seal evenly as it tends to become thin in the corners.

SBF472B



BODY ALIGNMENT

- All dimensions indicated in figures are actual ones.
- When a tram tracking gauge is used, adjust both pointers to equal length and check the pointers and gauge itself to make sure there is no free play.
- When a measuring tape is used, check to be sure there is no elongation, twisting or bending.
- Measurements should be taken at the center of the mounting holes.
- An asterisk (*) following the value at the measuring point indicates that the measuring point on the other side is symmetrically the same value.

Measurement points

The coordinates of the measurement points are the distances measured from the respective dimension lines in the directions of "x", "y" and "z".

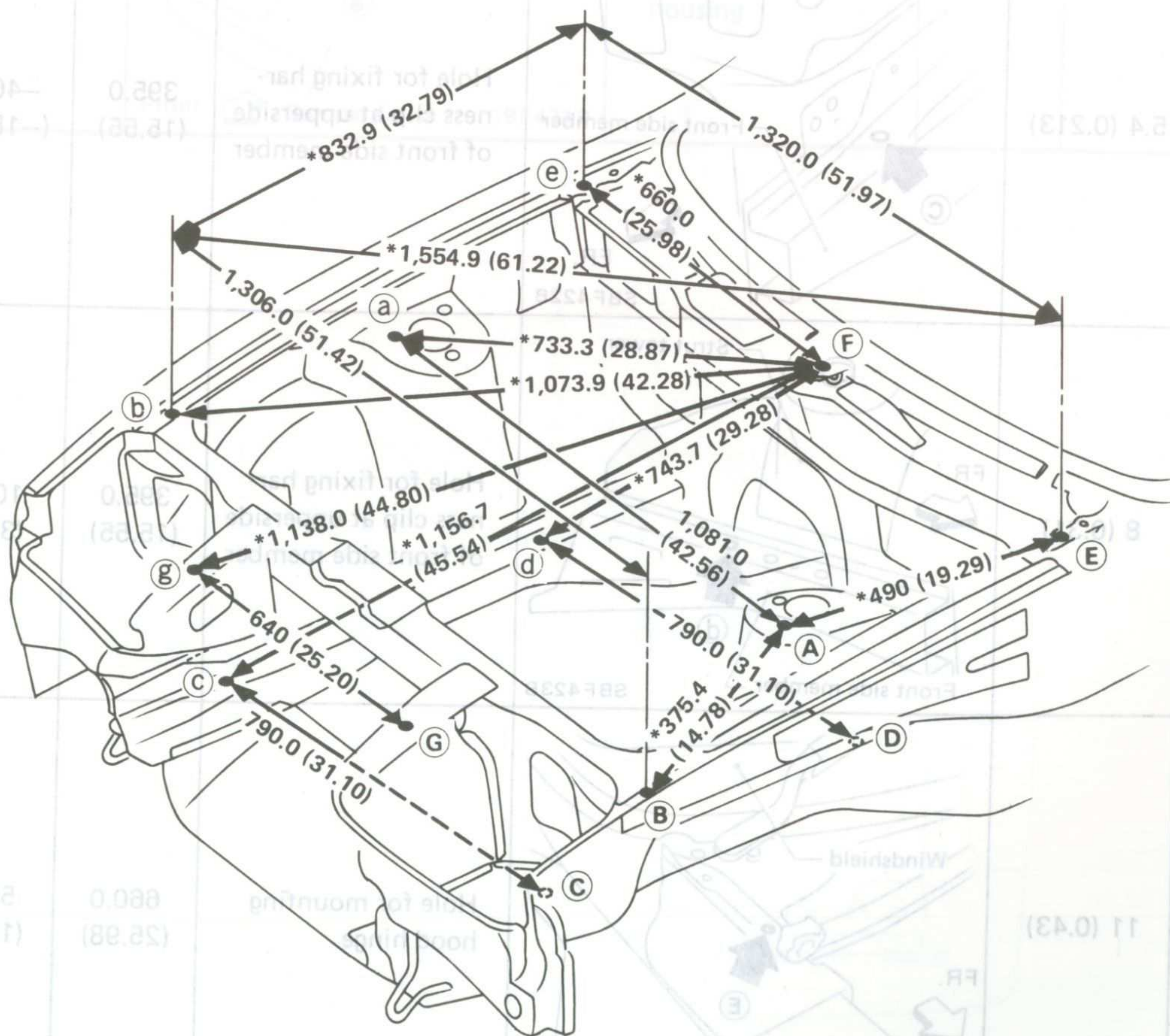
Dimension lines: "x" line — Center line of vehicle

"y" line — Center line of front axle (Any measurement point in front of the dimension line refers to a minus "-" value.)

"z" line — Datum line (Any measurement point under the dimension line refers to a minus "-" value.)

Engine Compartment

MEASUREMENT



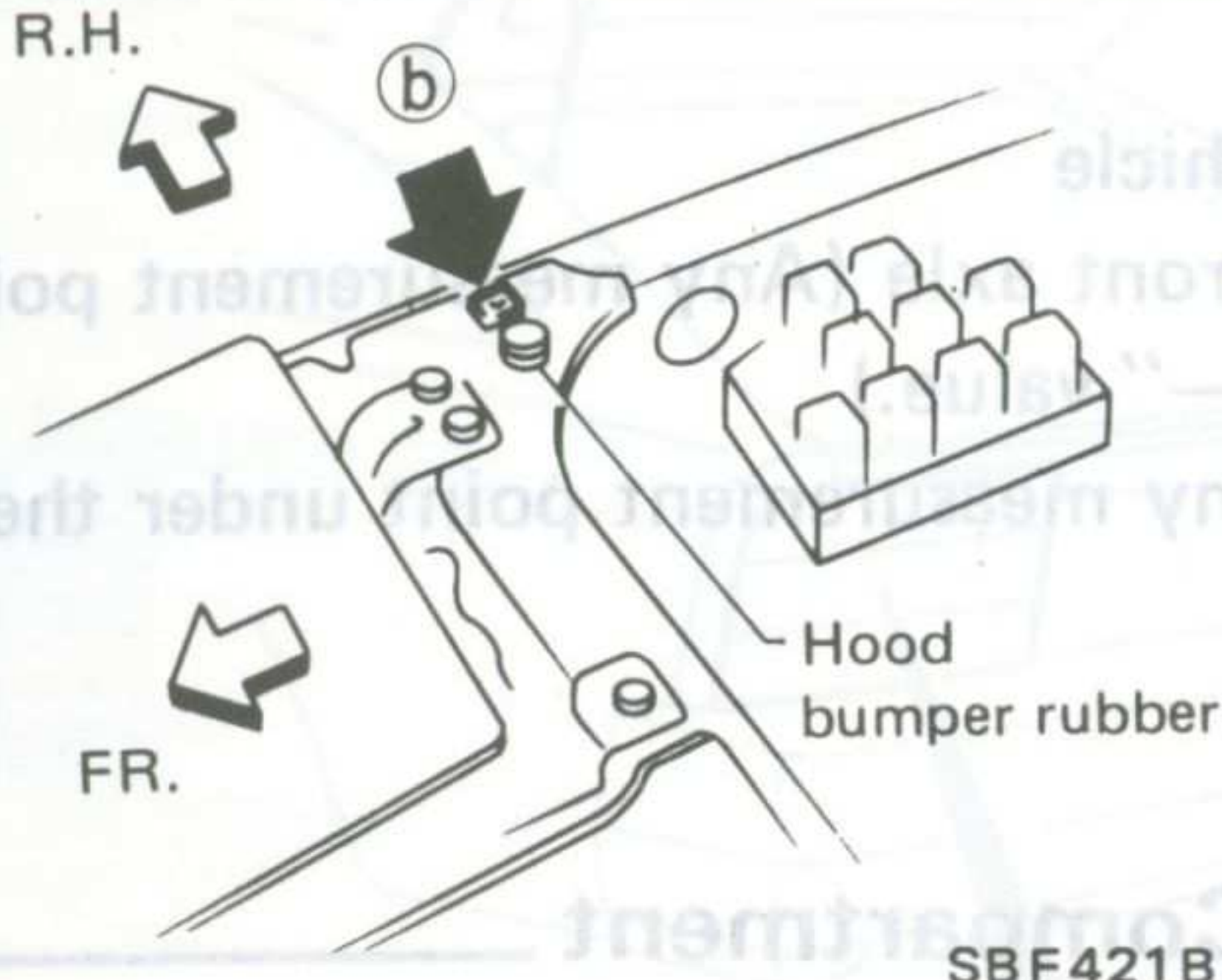
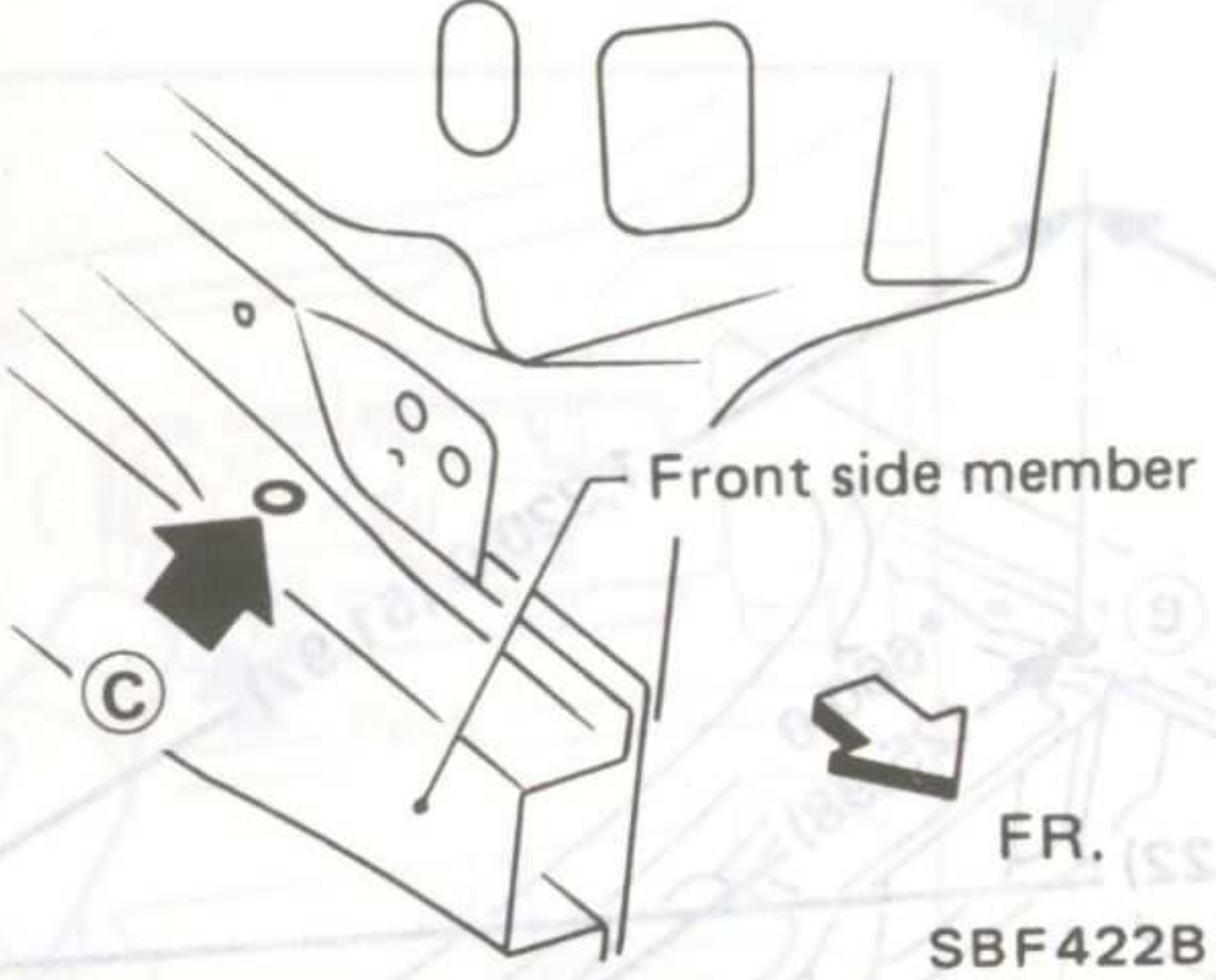
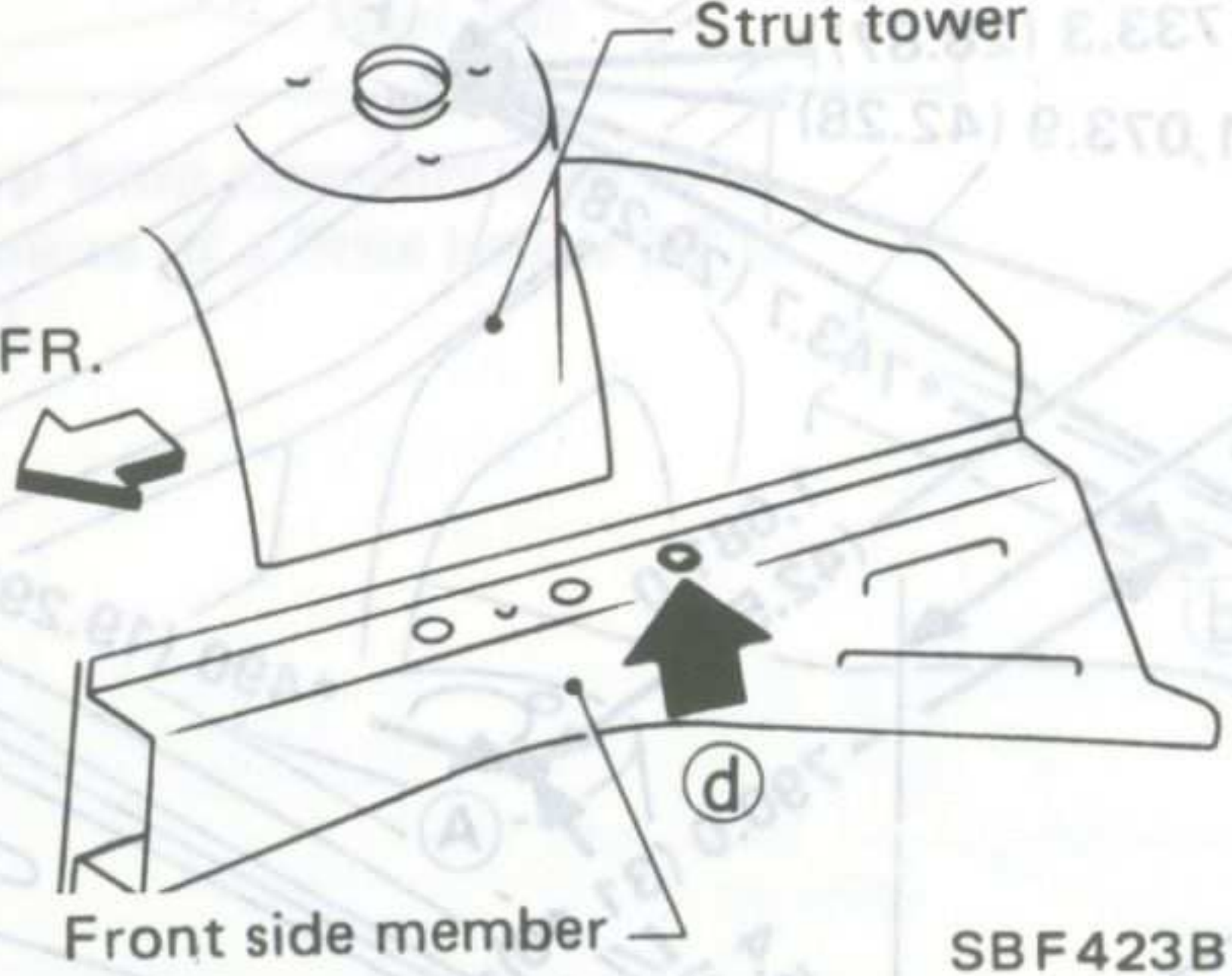
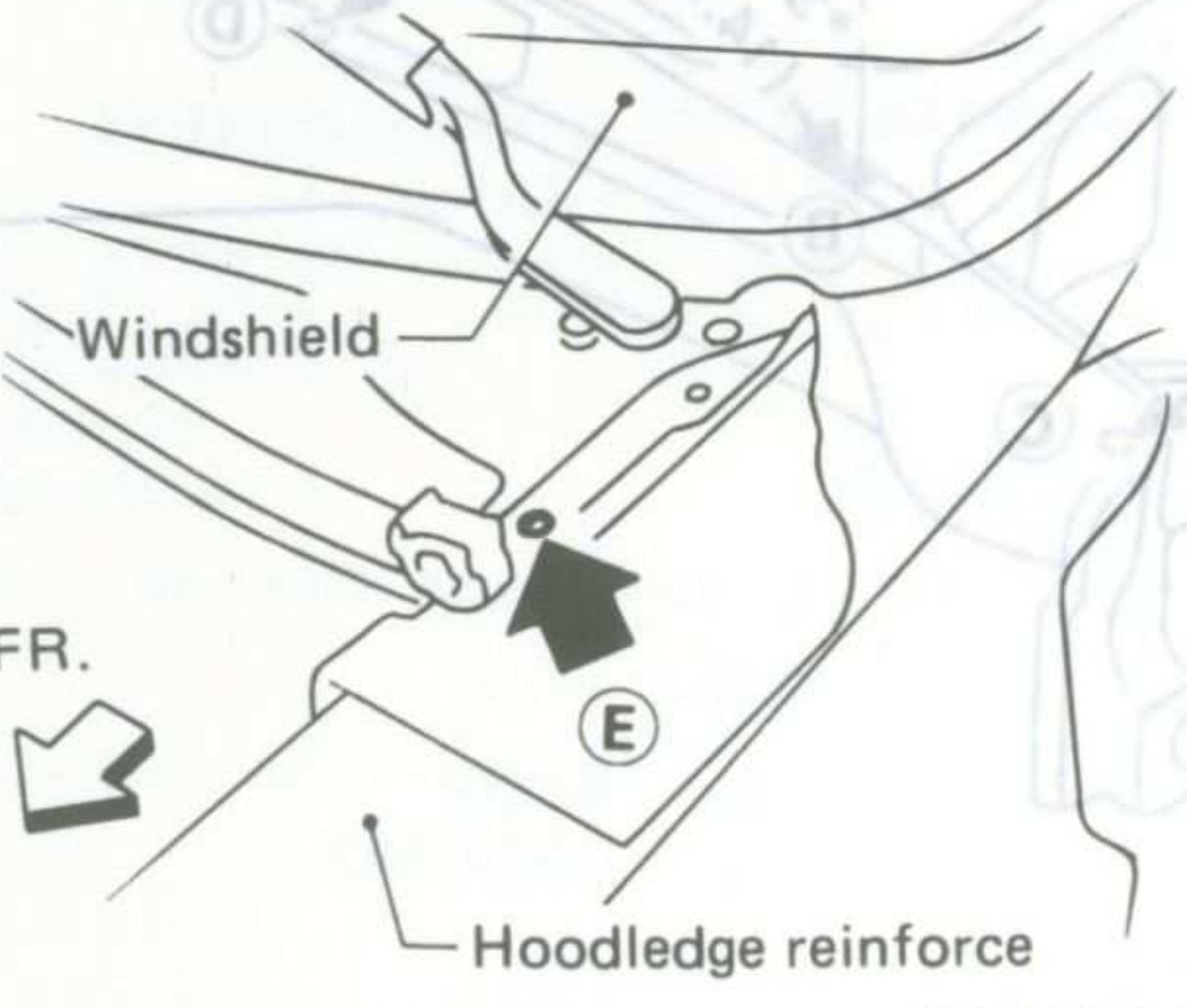
Unit: mm (in)

SBF420B

BODY ALIGNMENT

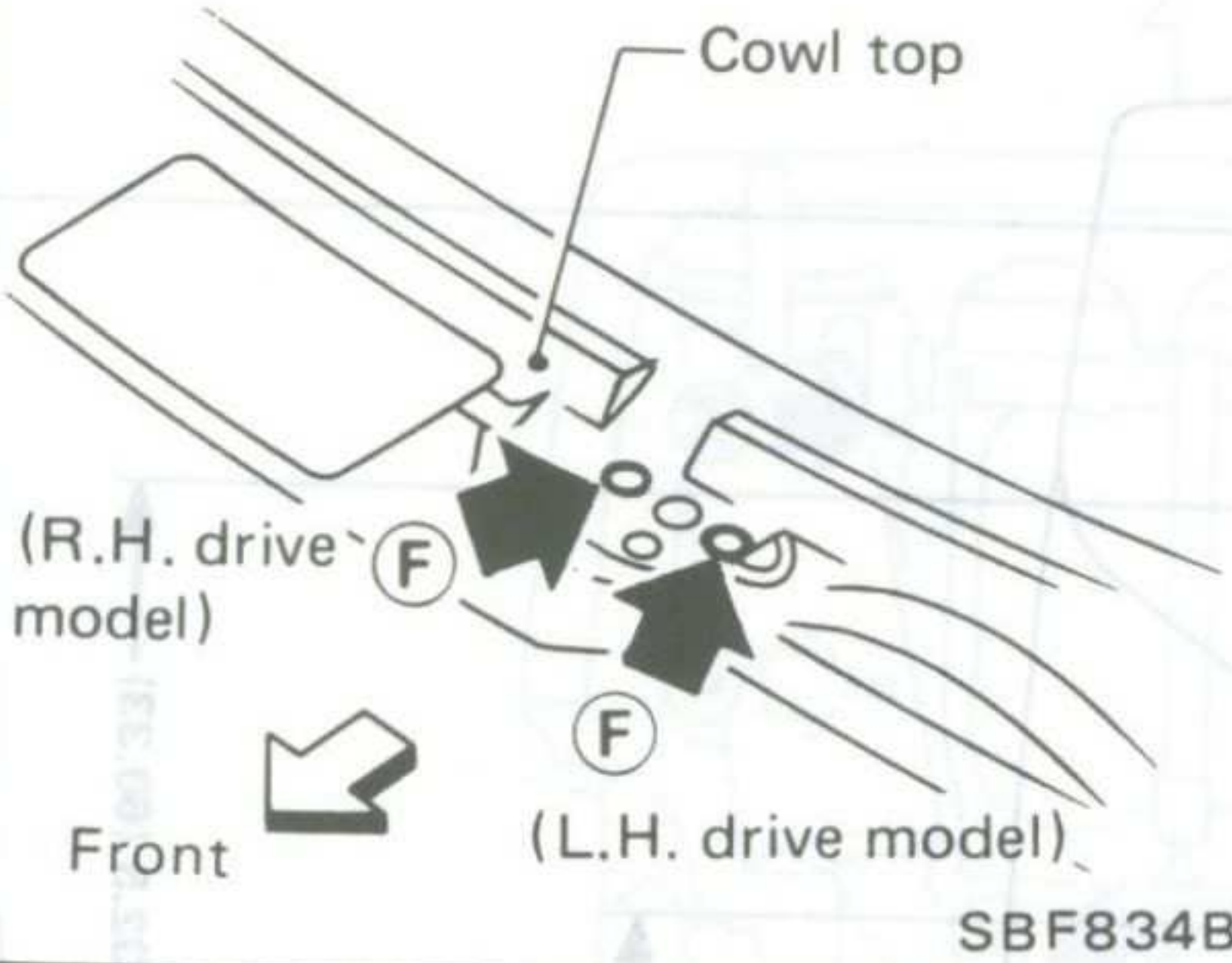
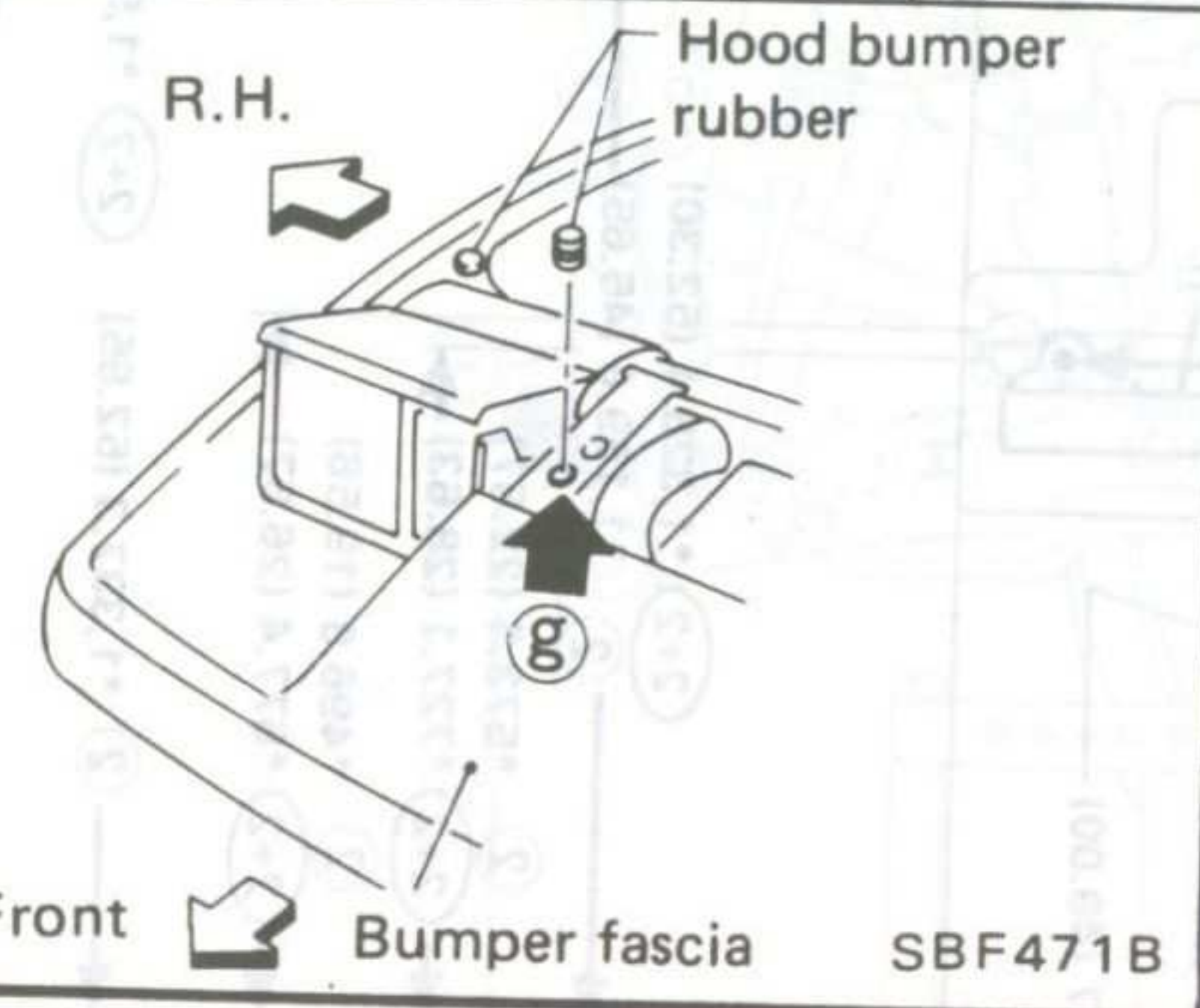
Engine Compartment (Cont'd)

MEASUREMENT POINTS

Points	Hole dia. mm (in)	Detailed points	Coordinates mm (in)		
			"x"	"y"	"z"
(A) (a)	12 (0.47)	Hole for front suspension upper mounting (Outside front hole)	540.5 (21.28)	26.8 (1.055)	919.0 (36.18)
(B) (b)	9 (0.35)	 Hole for fixing front fender	653.0 (25.71)	-325.0 (-12.80)	852.0 (33.54)
(C) (c)	5.4 (0.213)	 Hole for fixing harness clip at upperside of front side member	395.0 (15.55)	-460.0 (-18.11)	490.0 (19.29)
(D) (d)	8 (0.31)	 Hole for fixing harness clip at upperside of front side member	395.0 (15.55)	100.0 (3.94)	490.0 (19.29)
(E) (e)	11 (0.43)	 Hole for mounting hood hinge	660.0 (25.98)	500.0 (19.69)	966.0 (38.03)

BODY ALIGNMENT

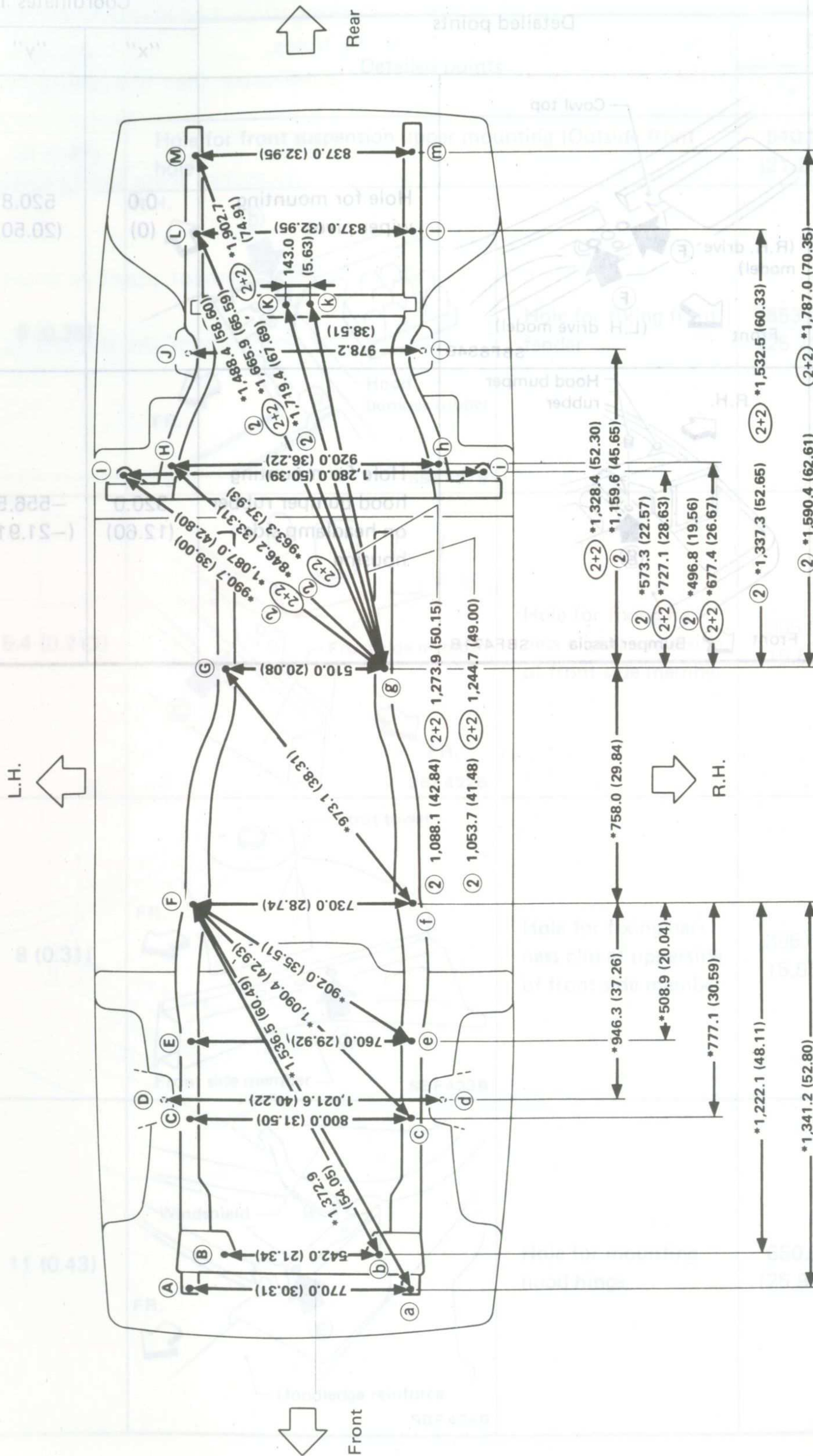
Engine Compartment (Cont'd)

Points	Hole dia. mm (in)	Detailed points	Coordinates mm (in)		
			"x"	"y"	"z"
⑥	7 (0.28)	 Cowl top (R.H. drive model) ⑥ (L.H. drive model) ⑥ Front SBF834B	0.0 (0)	520.8 (20.50)	959.0 (37.76)
⑦ ⑧	16 (0.63)	 R.H. Hood bumper rubber ⑧ Front Bumper fascia SBF471B	320.0 (12.60)	-556.5 (-21.91)	779.0 (30.67)

BODY ALIGNMENT

Underbody

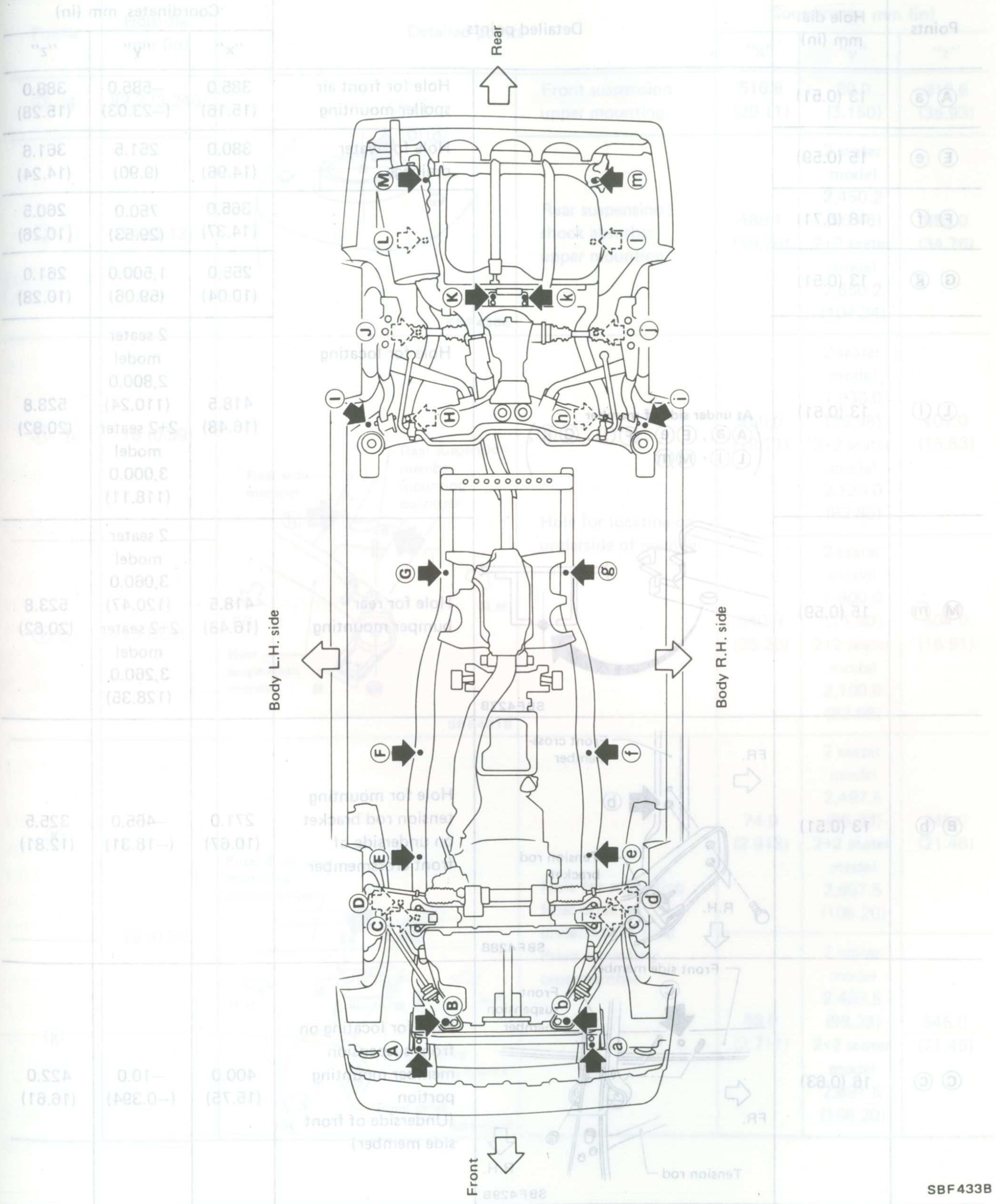
MEASUREMENT



BODY ALIGNMENT

Underbody (Cont'd)

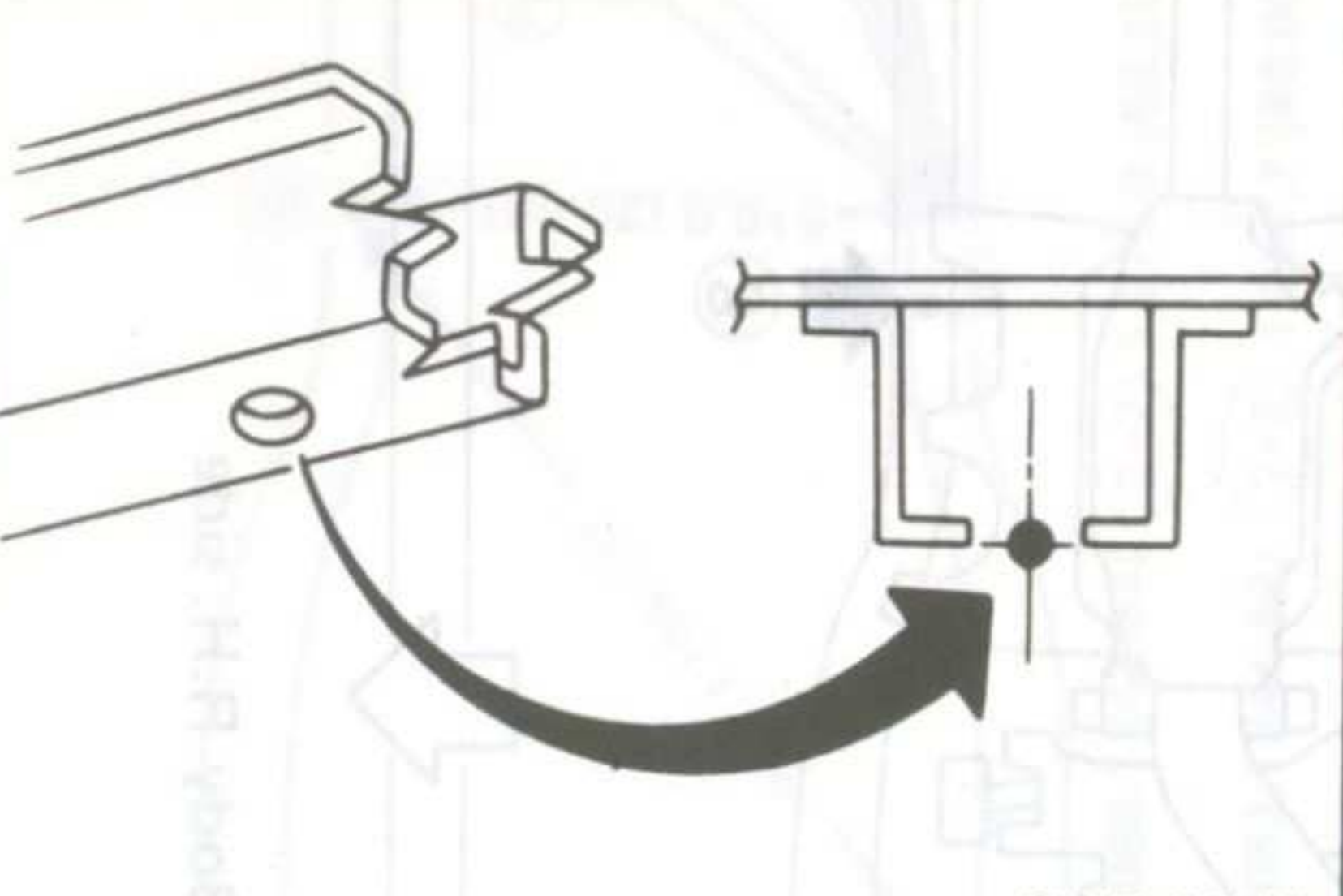
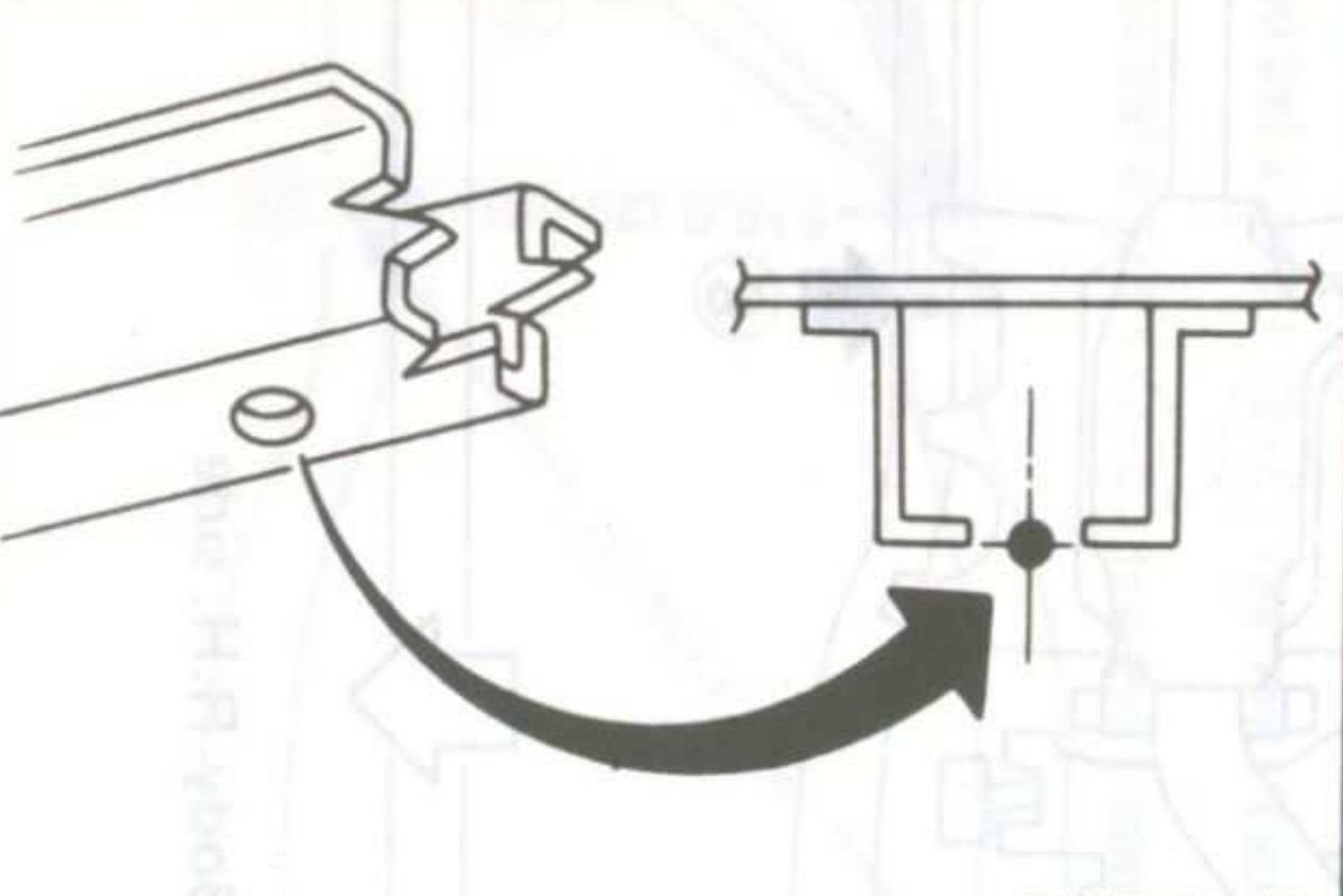
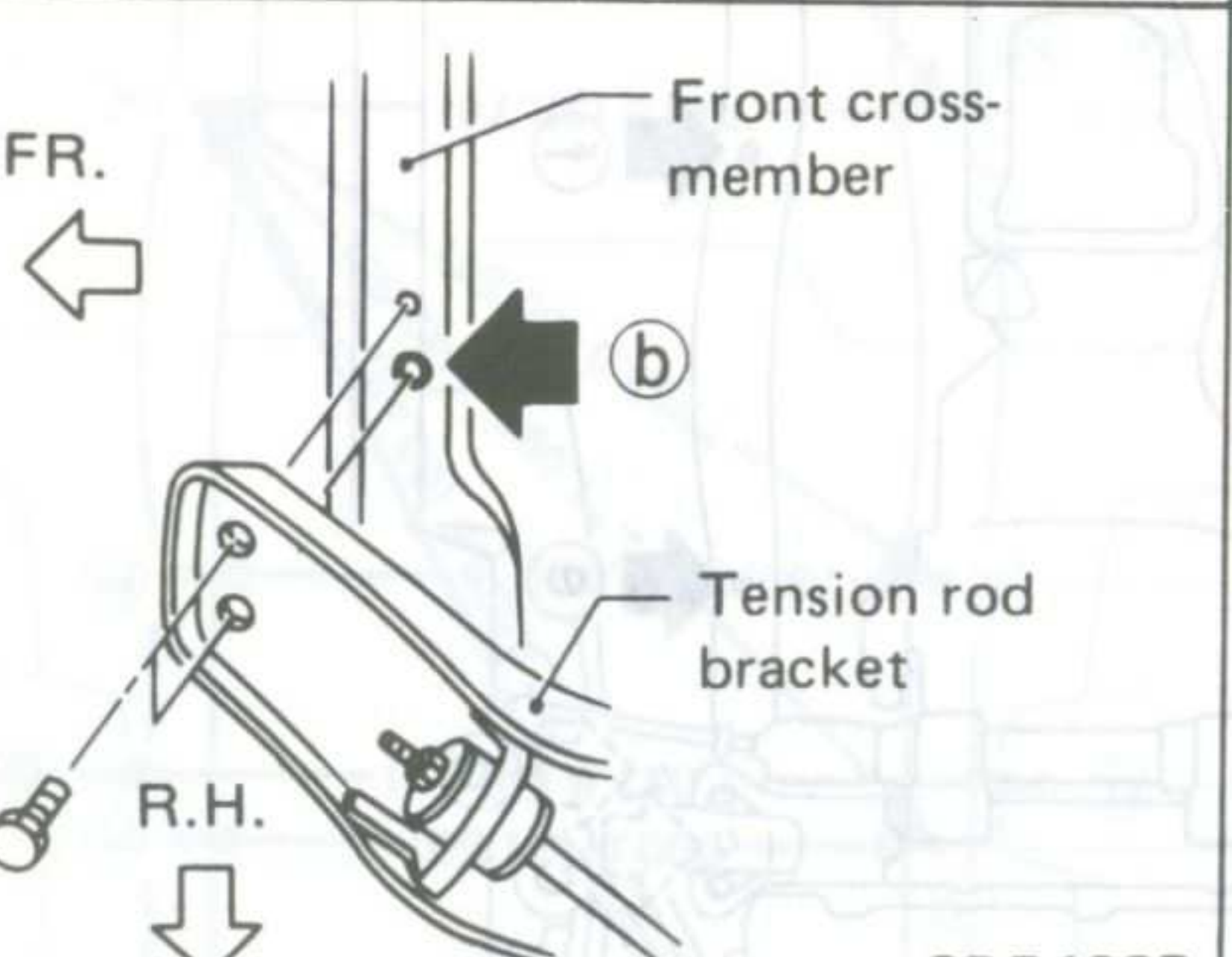
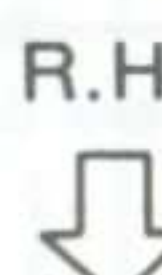
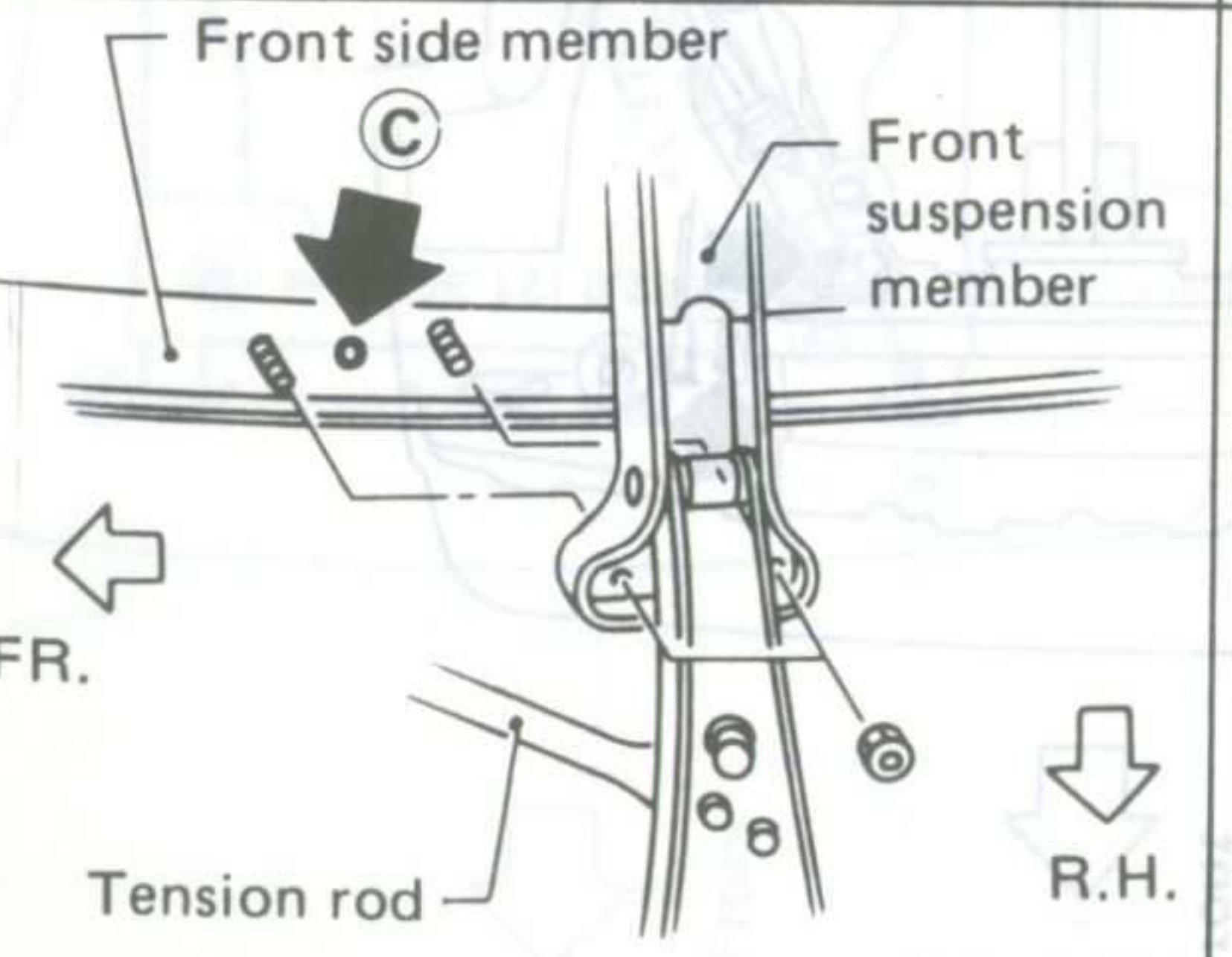
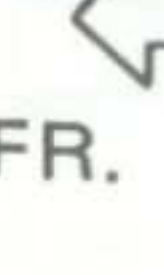
MEASUREMENT POINTS



SBF433B

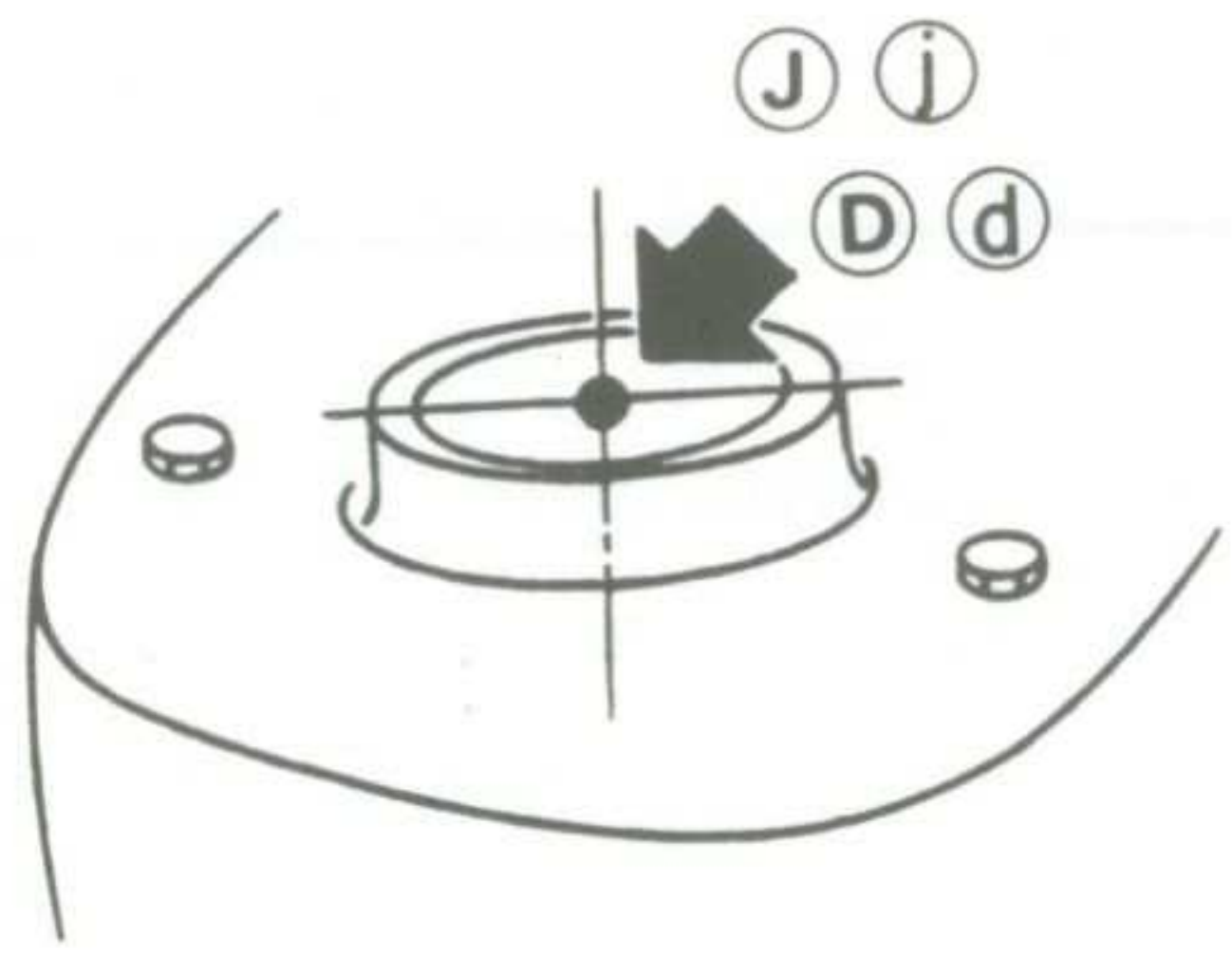
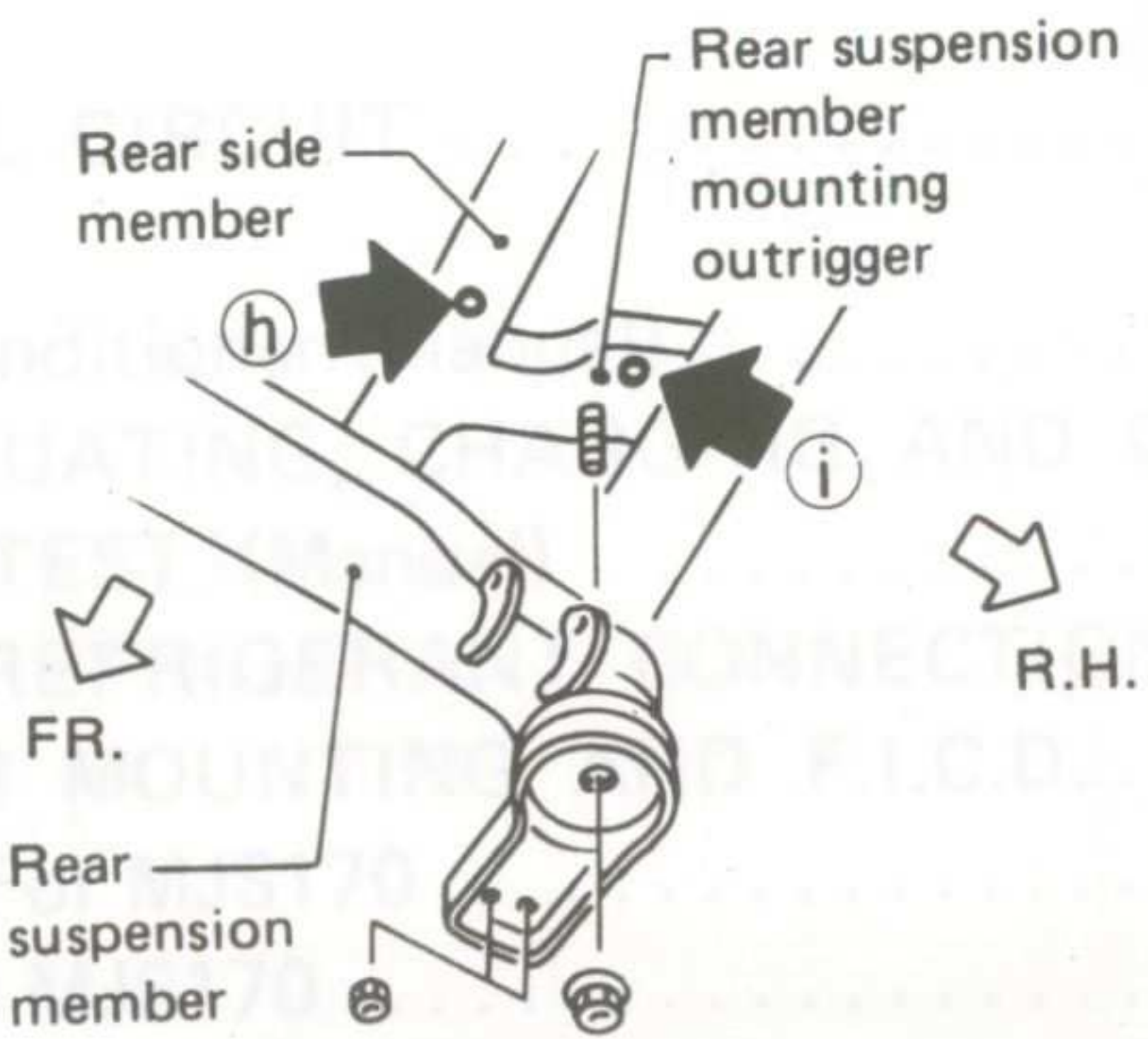
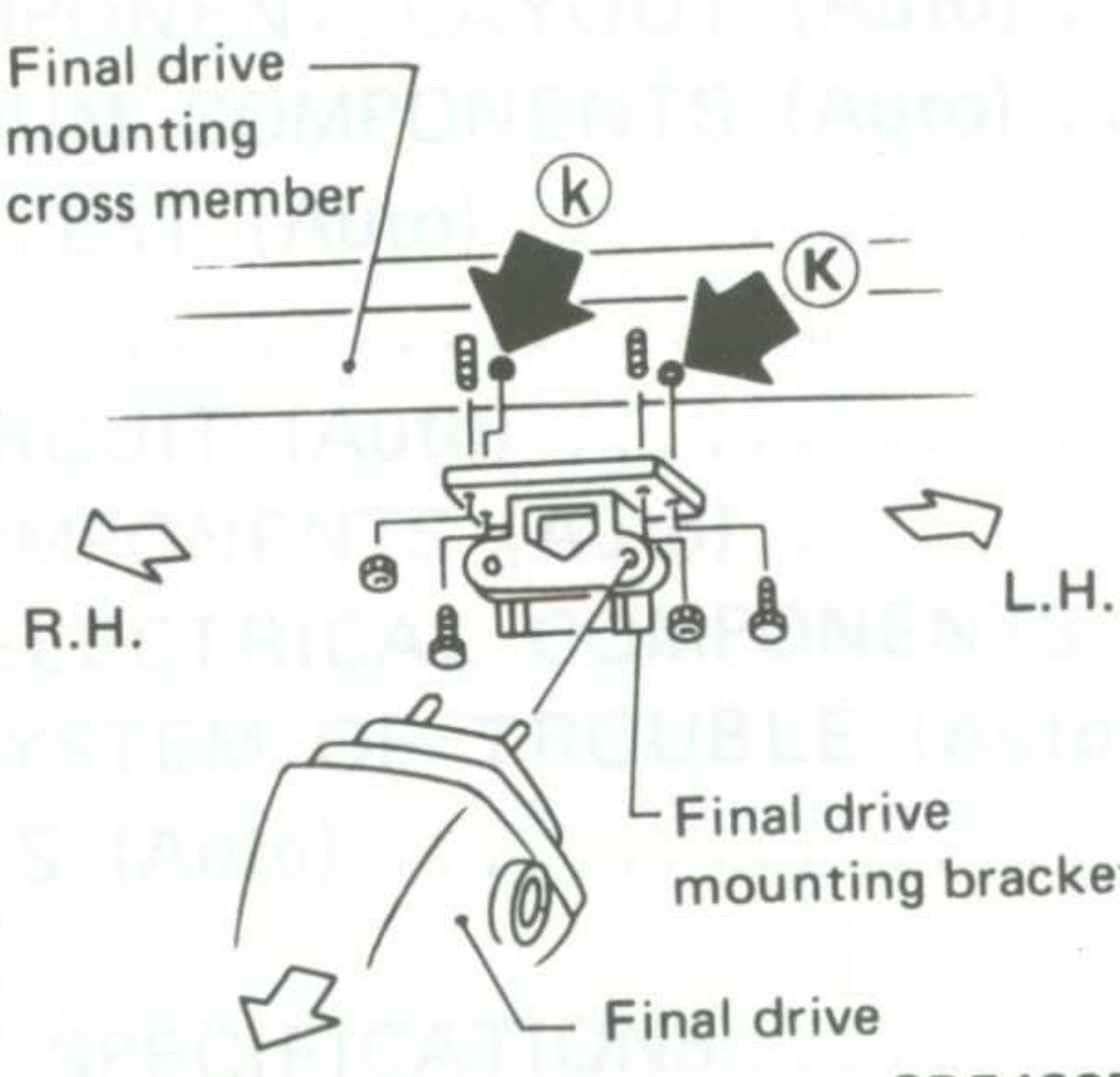
BODY ALIGNMENT

Underbody (Cont'd)

Points	Hole dia. mm (in)	Detailed points	Coordinates mm (in)		
			"x"	"y"	"z"
(A) (a)	13 (0.51)	 Hole for front air spoiler mounting	385.0 (15.16)	-585.0 (-23.03)	388.0 (15.28)
(E) (e)	15 (0.59)		380.0 (14.96)	251.5 (9.90)	361.6 (14.24)
(F) (f)	18 (0.71)		365.0 (14.37)	750.0 (29.53)	260.5 (10.26)
(G) (g)	13 (0.51)		255.0 (10.04)	1,500.0 (59.06)	261.0 (10.28)
(L) (l)	13 (0.51)	At under side of member (A a, E e, F f, G g), (L l, M m)  Hole for locating	418.5 (16.48)	2 seater model 2,800.0 (110.24) 2+2 seater model 3,000.0 (118.11)	528.8 (20.82)
(M) (m)	15 (0.59)	 Hole for rear bumper mounting	418.5 (16.48)	2 seater model 3,060.0 (120.47) 2+2 seater model 3,260.0 (128.35)	523.8 (20.62)
(B) (b)	13 (0.51)	 FR.  Front cross-member Tension rod bracket R.H.  SBF428B	271.0 (10.67)	-465.0 (-18.31)	325.5 (12.81)
(C) (c)	16 (0.63)	 FR.  Front side member Front suspension member Tension rod R.H.  SBF429B	400.0 (15.75)	-10.0 (-0.394)	422.0 (16.61)

BODY ALIGNMENT

Underbody (Cont'd)

Points	Hole dia. mm (in)	Detailed points		Coordinates mm (in)		
				"x"	"y"	"z"
Ⓓ Ⓓ	82.3 (3.240)	 SBF430B	Front suspension upper mounting	510.8 (20.11)	80.0 (3.150)	912.6 (35.93)
Ⓙ Ⓙ	54 (2.13)		Rear suspension shock absorber upper mounting	489.1 (19.26)	2 seater model 2,450.2 (96.46) 2+2 seater model 2,650.2 (104.34)	883.0 (34.76)
Ⓕ Ⓕ	15 (0.59)	 SBF431B	Hole for locating on underside of member	460.0 (18.11)	2 seater model 1,930.0 (75.98) 2+2 seater model 2,130.0 (83.86)	402.0 (15.83)
Ⓢ Ⓢ	13 (0.51)			640.0 (25.20)	2 seater model 1,900.0 (74.80) 2+2 seater model 2,100.0 (82.68)	404.0 (15.91)
Ⓚ	15 (0.59)	 SBF432B	Hole for mounting final drive on underside of final drive mounting crossmember	74.0 (2.913)	2 seater model 2,497.5 (98.33) 2+2 seater model 2,697.5 (106.20)	545.0 (21.46)
Ⓚ				69.0 (2.717)	2 seater model 2,497.5 (98.33) 2+2 seater model 2,697.5 (106.20)	545.0 (21.46)