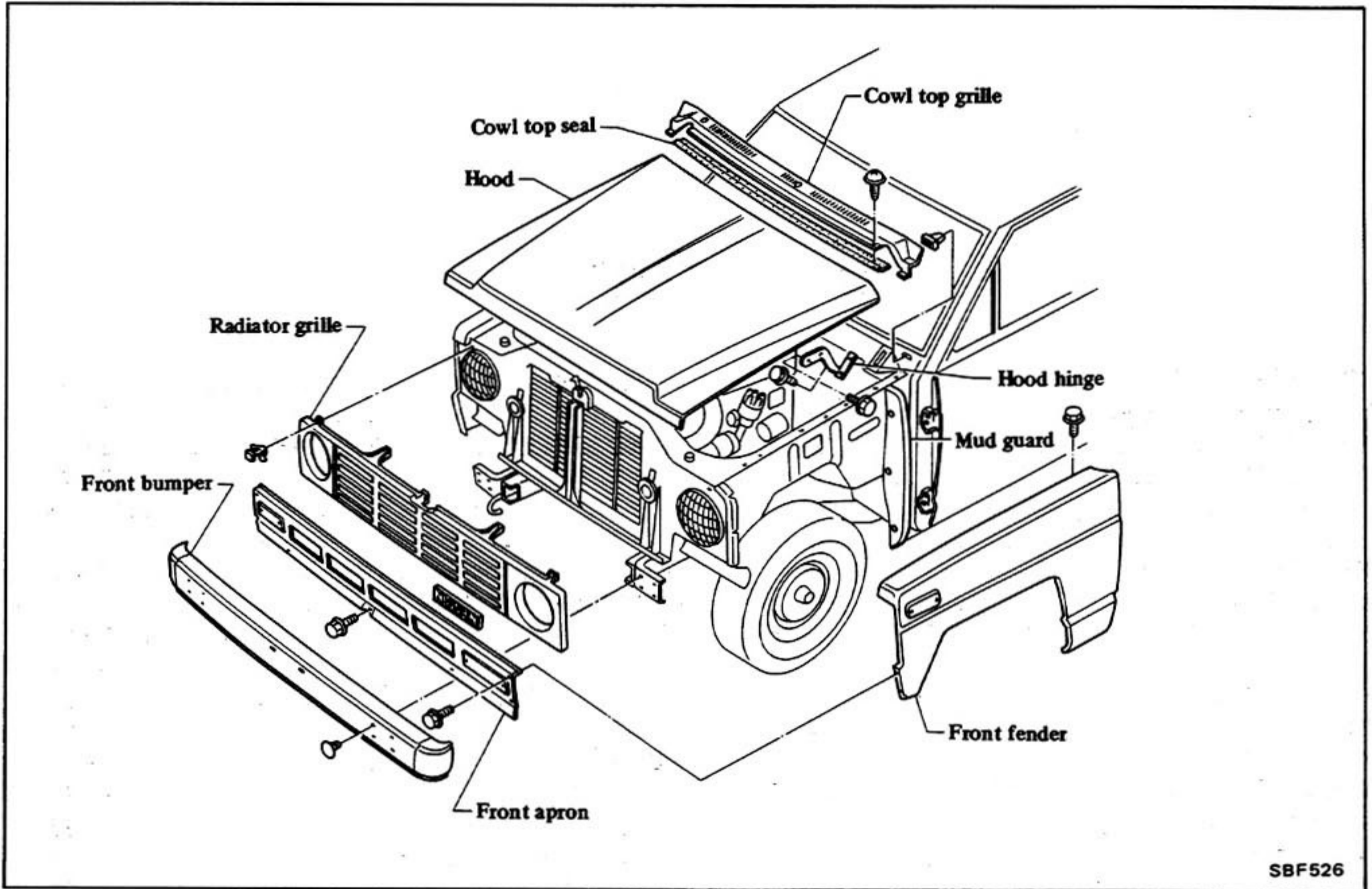


BODY & FRAME

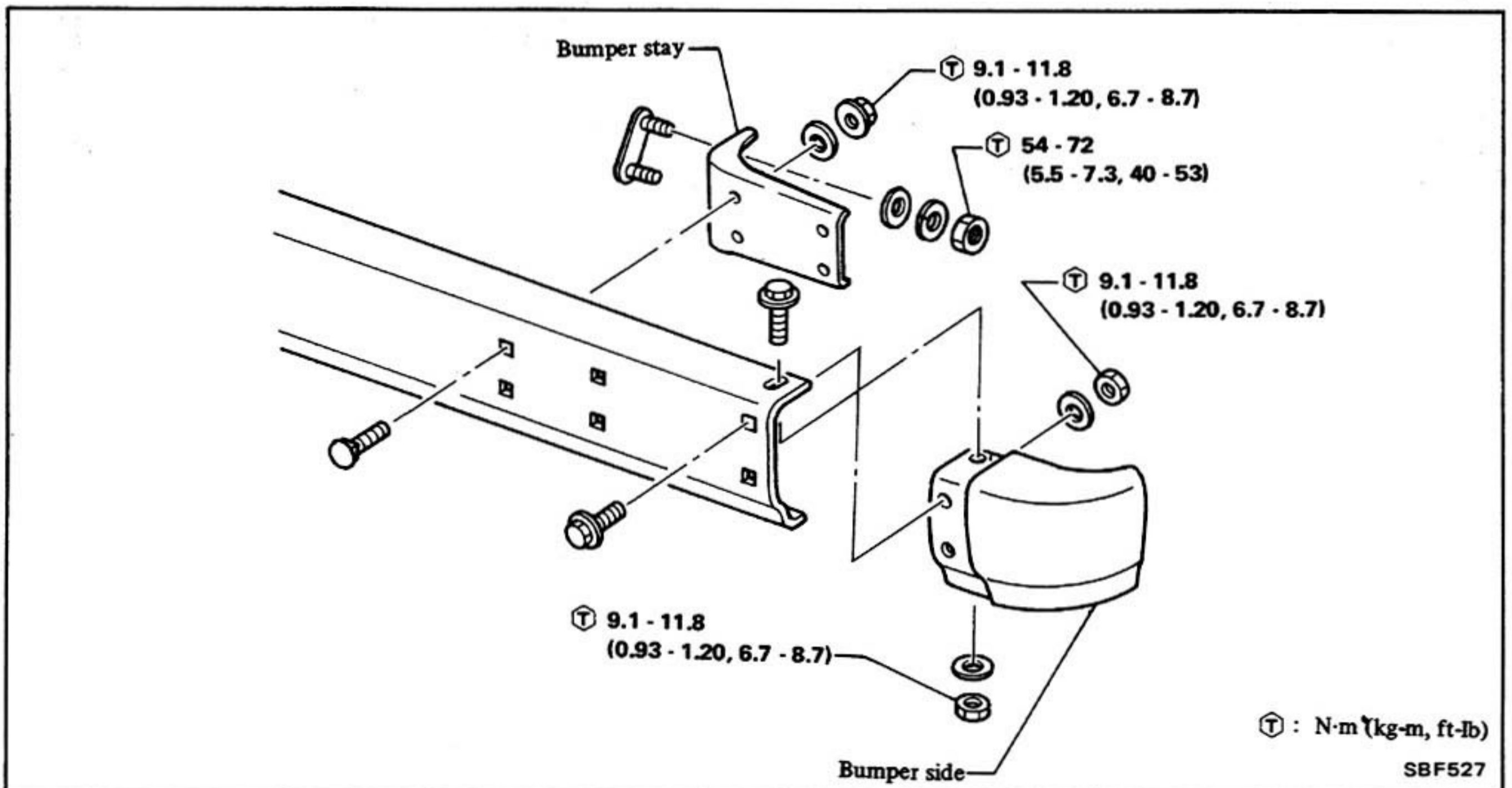
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BODY FRONT END (Except Canvas Top)



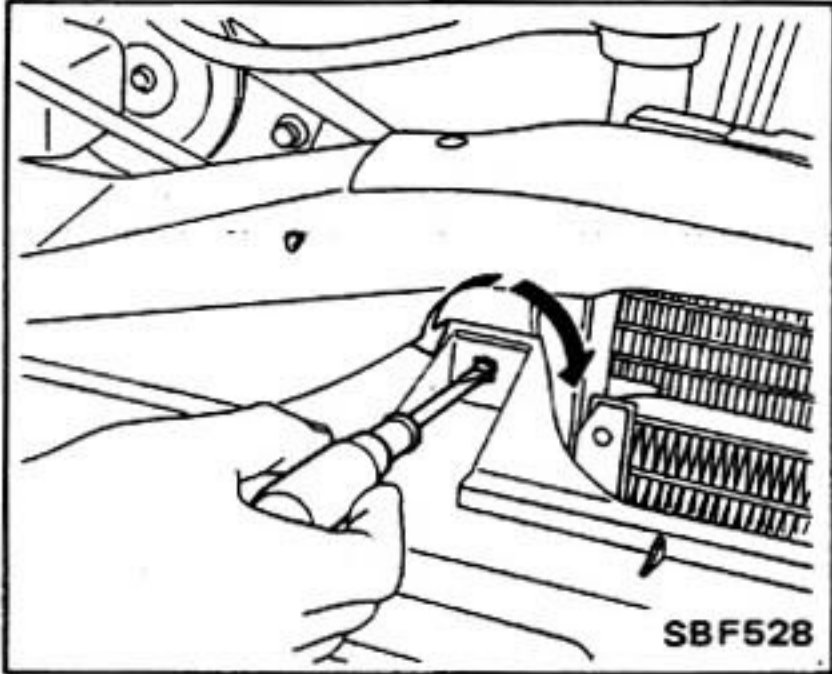
FRONT BUMPER



RADIATOR GRILLE

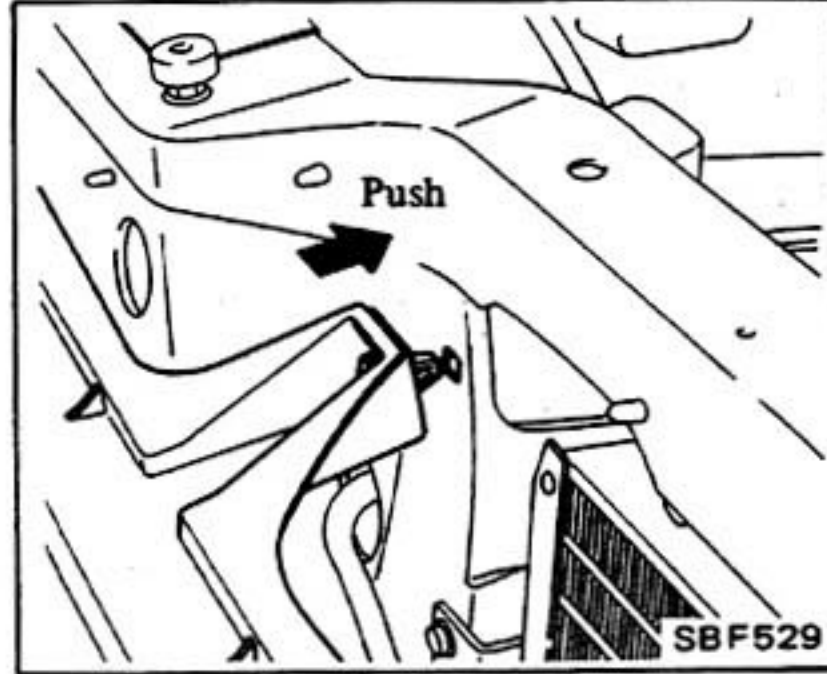
REMOVAL

Turn fasteners a quarter turn with a conventional screwdriver, and then remove radiator grille.

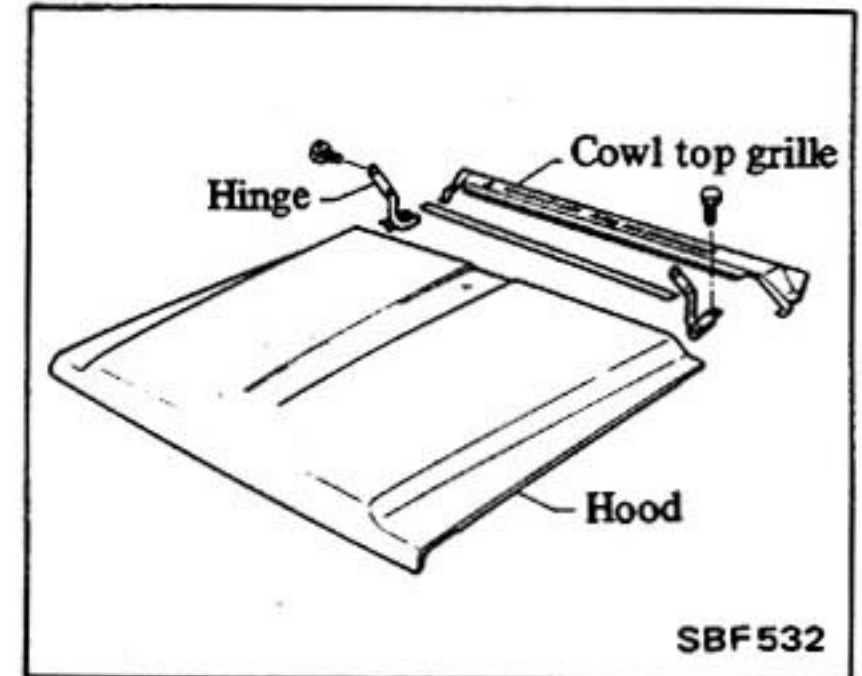


INSTALLATION

1. Set fasteners in radiator grille from the back, and turn them a quarter turn.
2. Install radiator grille.



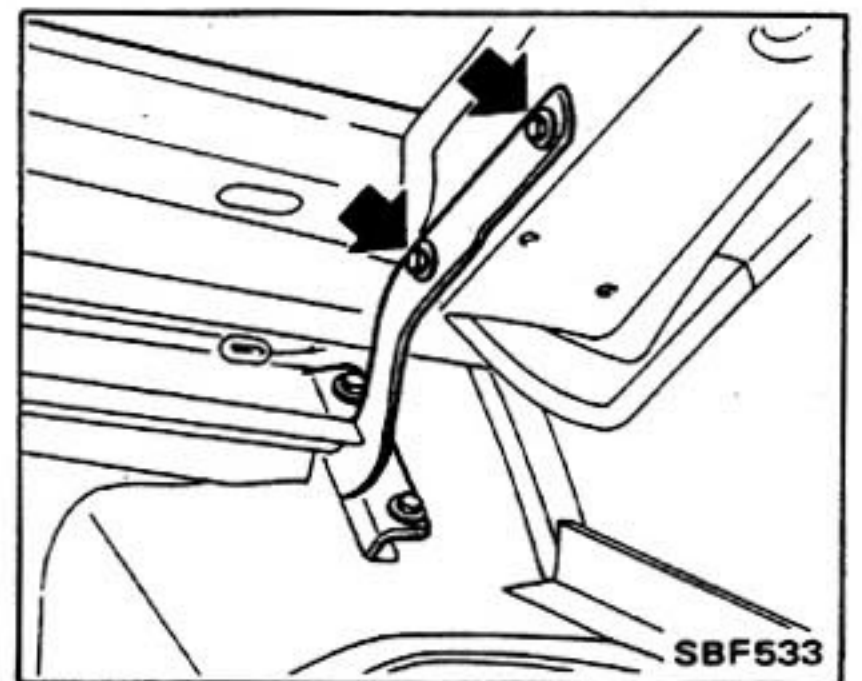
HOOD



REMOVAL AND INSTALLATION

Hood

1. Support hood and remove bolts attaching hood to hinge. Then remove hood.

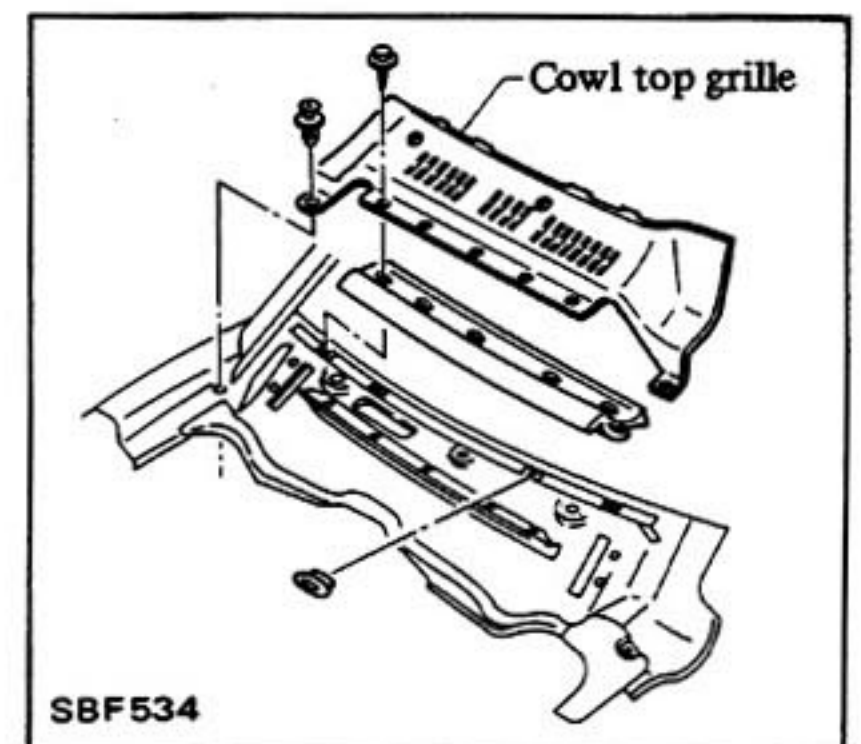


2. Installation is in reverse order of removal.

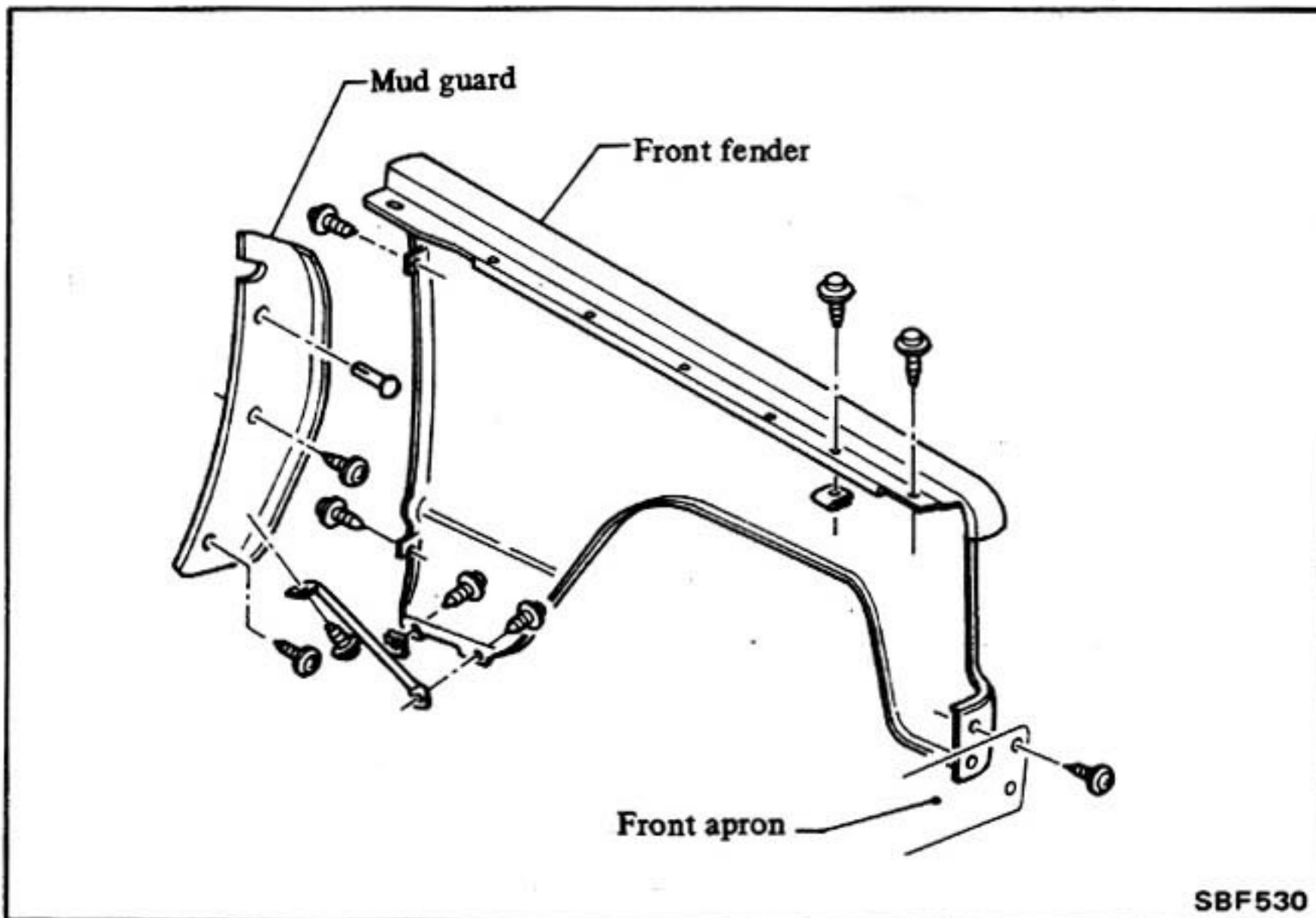
Adjust hood. Refer to Adjustment.

Cowl top grille

1. Remove hood.
2. Remove windshield wiper arms.
3. Remove cowl top grille fasteners, then remove cowl top grille.



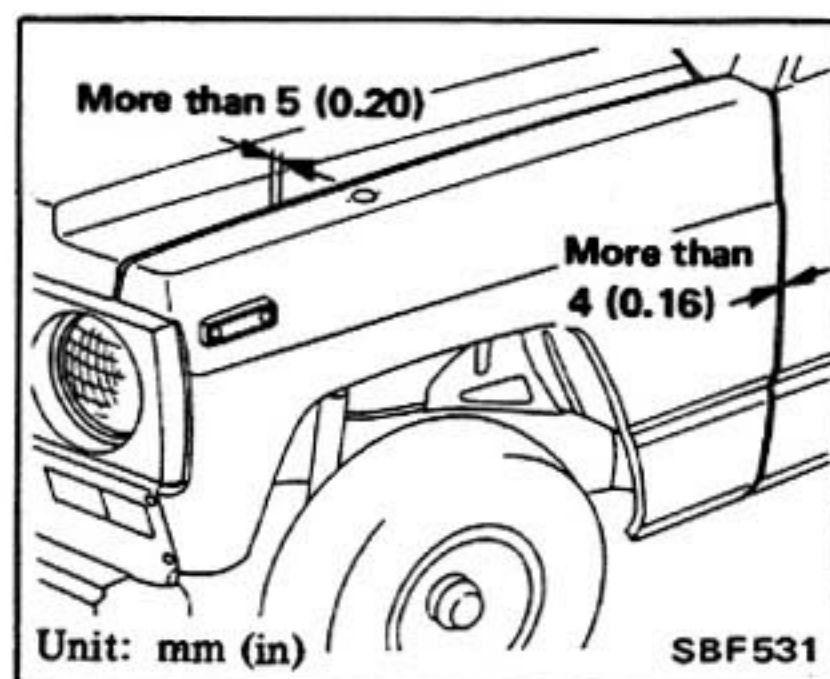
FRONT FENDER



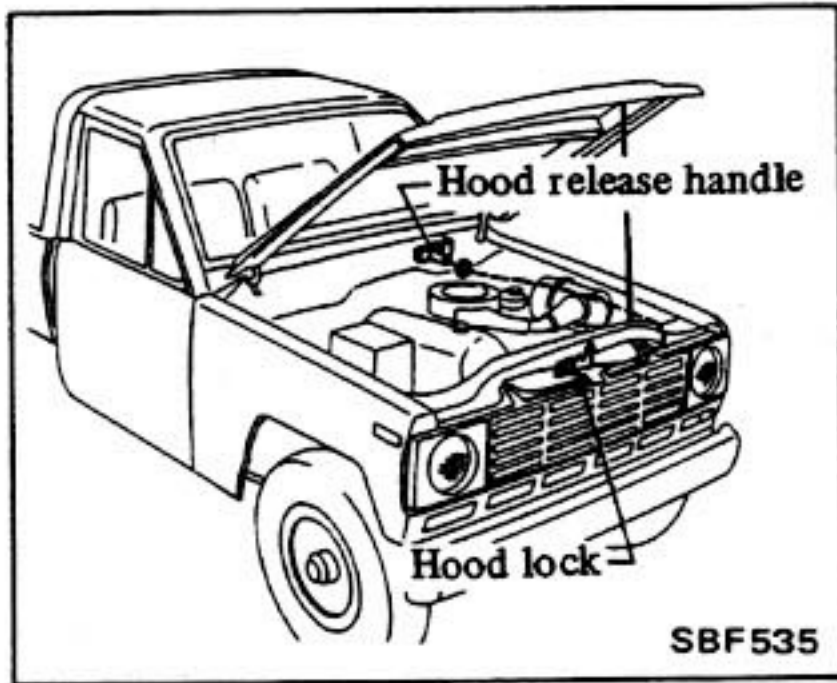
REMOVAL AND INSTALLATION

1. Disconnect battery ground cable.
2. Remove mud guard.
3. Disconnect side marker lamp harness, and remove front fender.
4. Installation is in reverse order of removal.

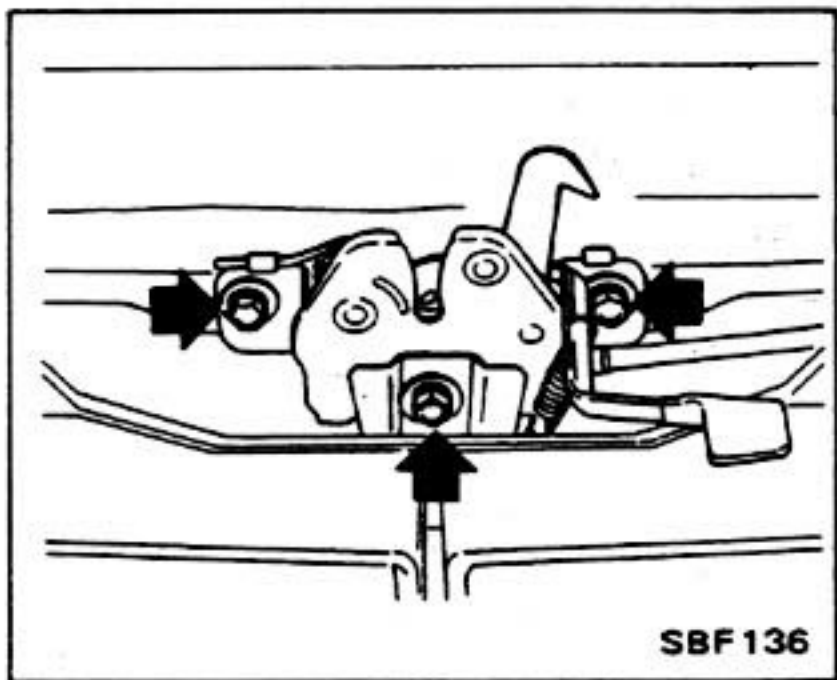
ADJUSTMENT



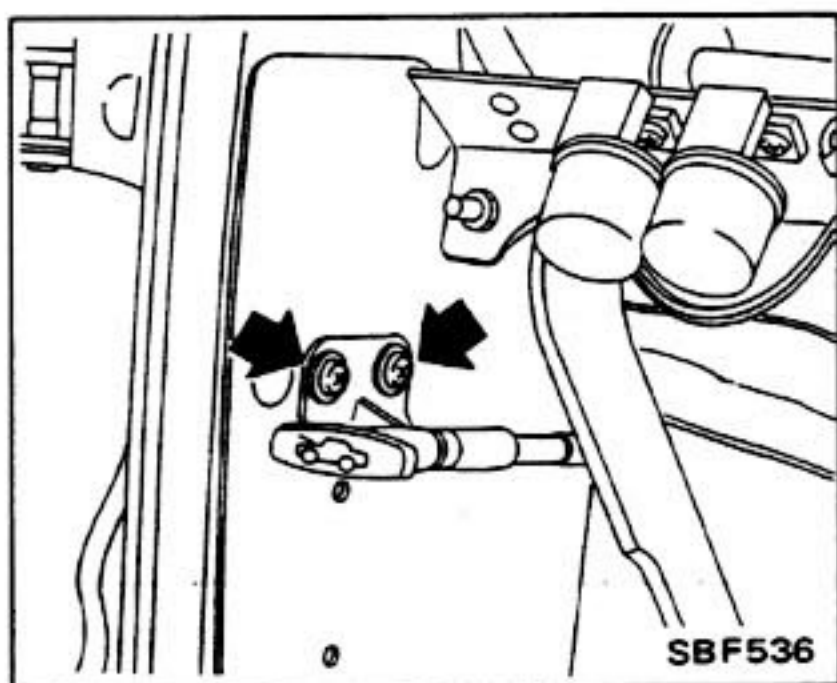
Lock and lock control



1. Remove hood lock female attaching bolts.



2. Remove control cable from hood lock female, then remove hood lock female.
3. Remove hood release handle with bracket.



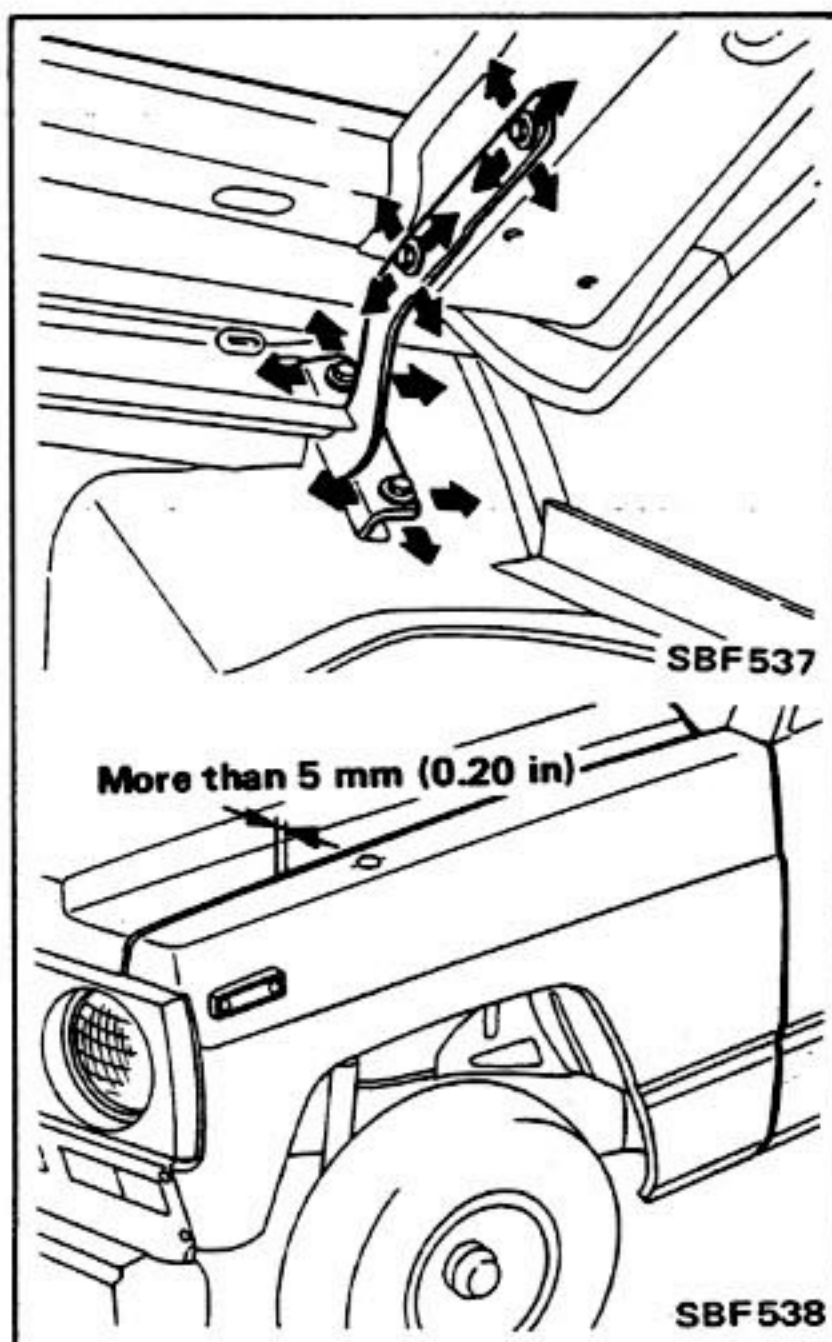
4. Draw control cable out through passenger compartment.
5. Installation is in reverse order of removal.

Check hood lock control operation.

ADJUSTMENT

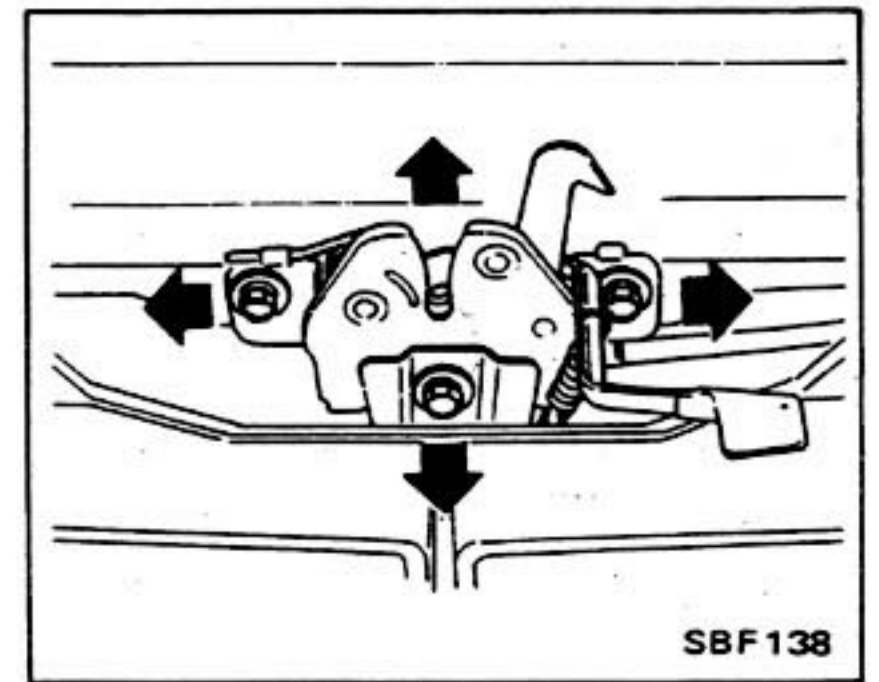
Hood

Loosen bolts attaching hood hinge. Adjust hood back and forth and side to side until it is set in its optimum position.



Hood lock

Loosen bolts attaching hood lock female, and adjust hood back and forth and side to side until it is set in its optimum position, and opens and closes smoothly.

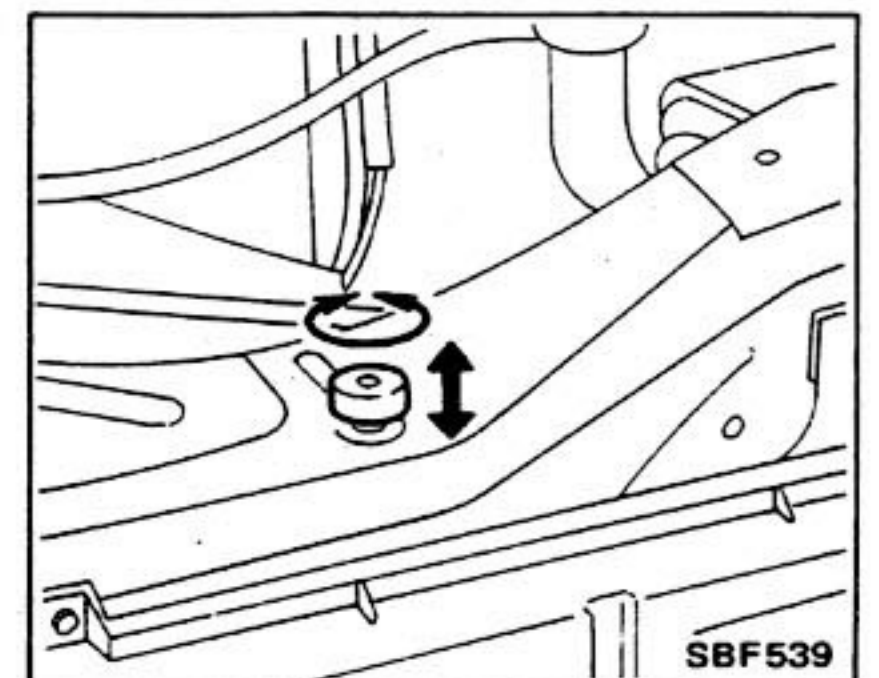


CAUTION:

To avoid accidental opening of hood while driving, be sure to properly engage hood lock.

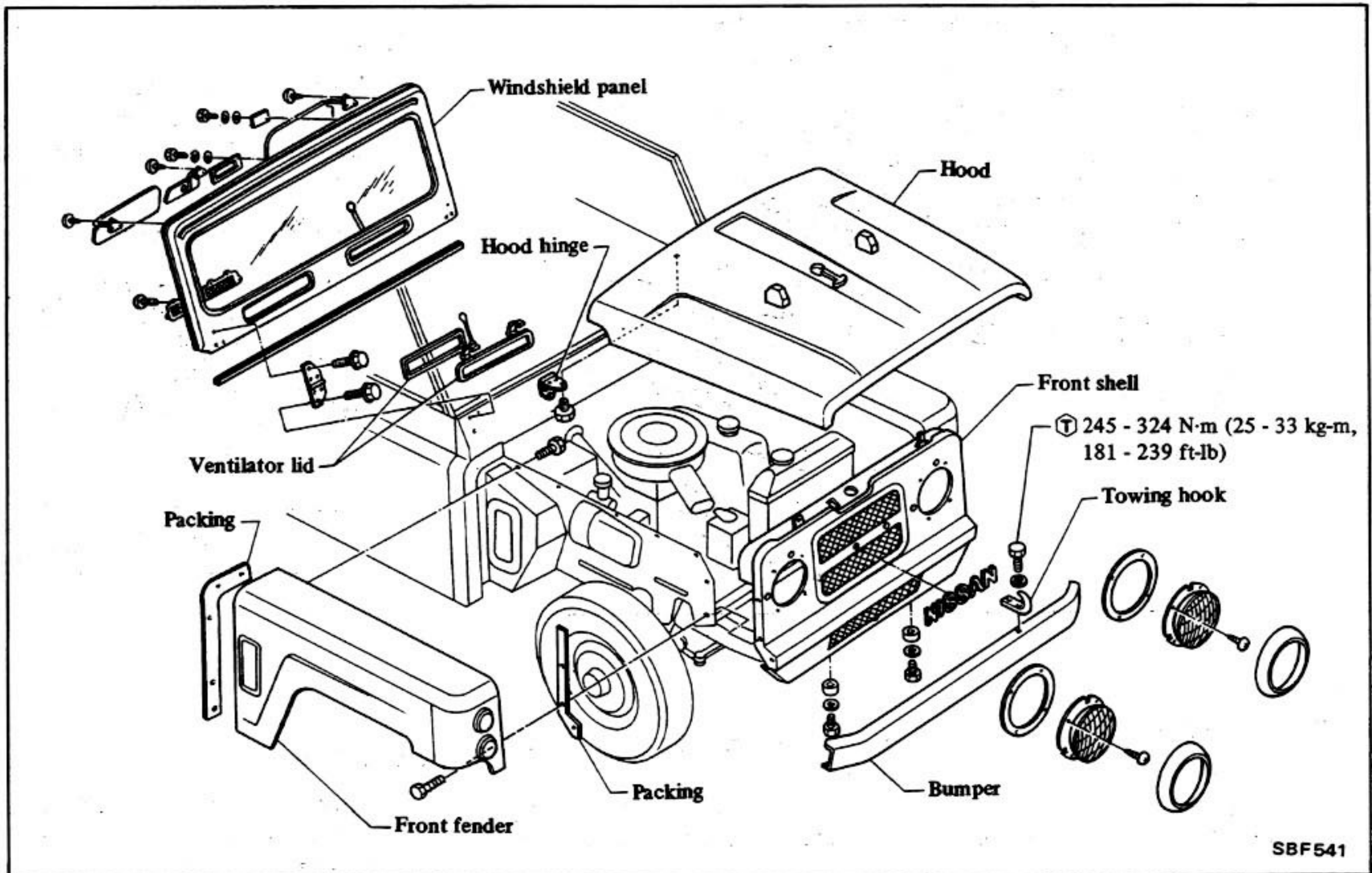
Bumper rubber

Adjust bumper rubber height so that hood is nearly flush with front fender.

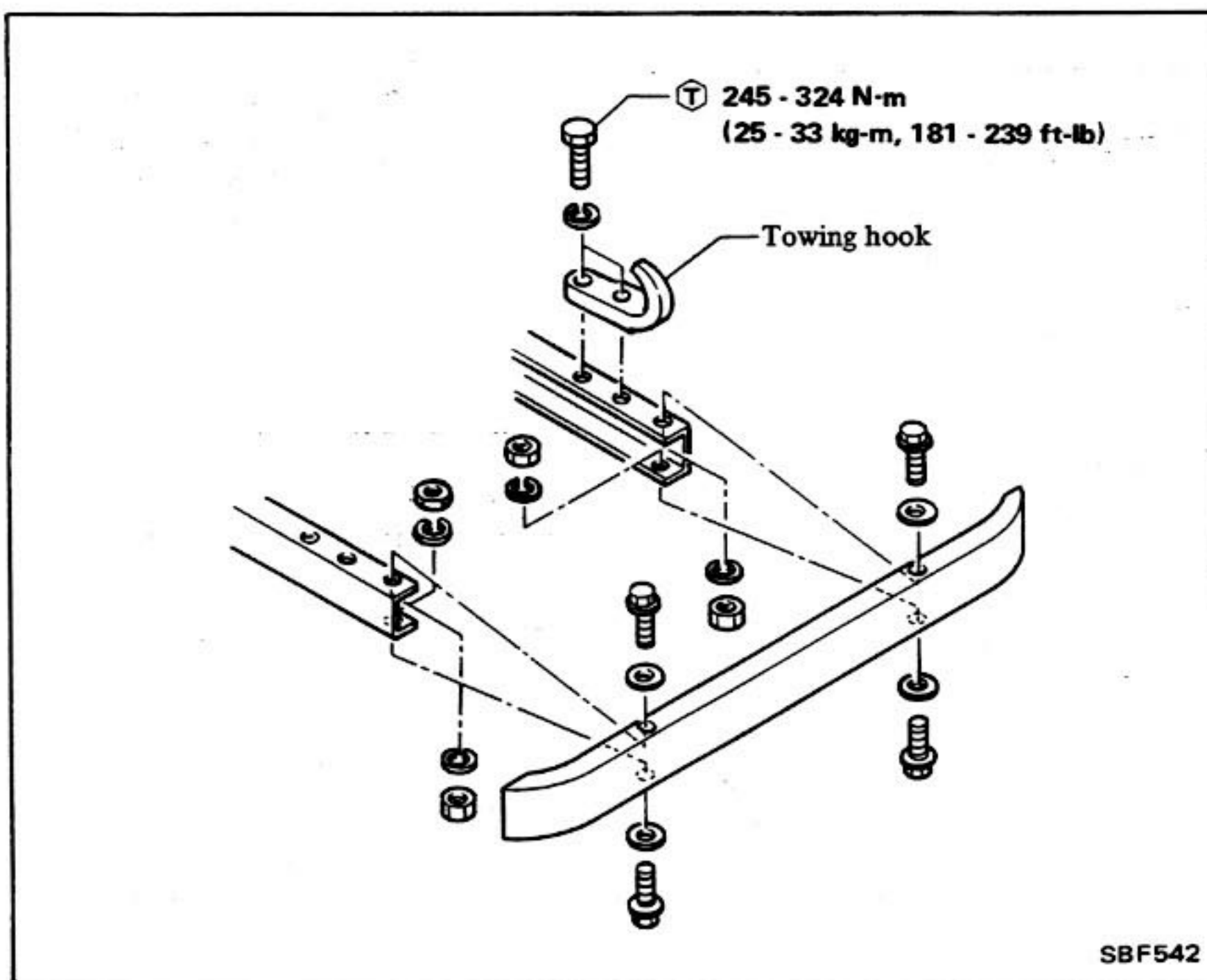


Adjust bumper rubber so that it contacts its mating panel.

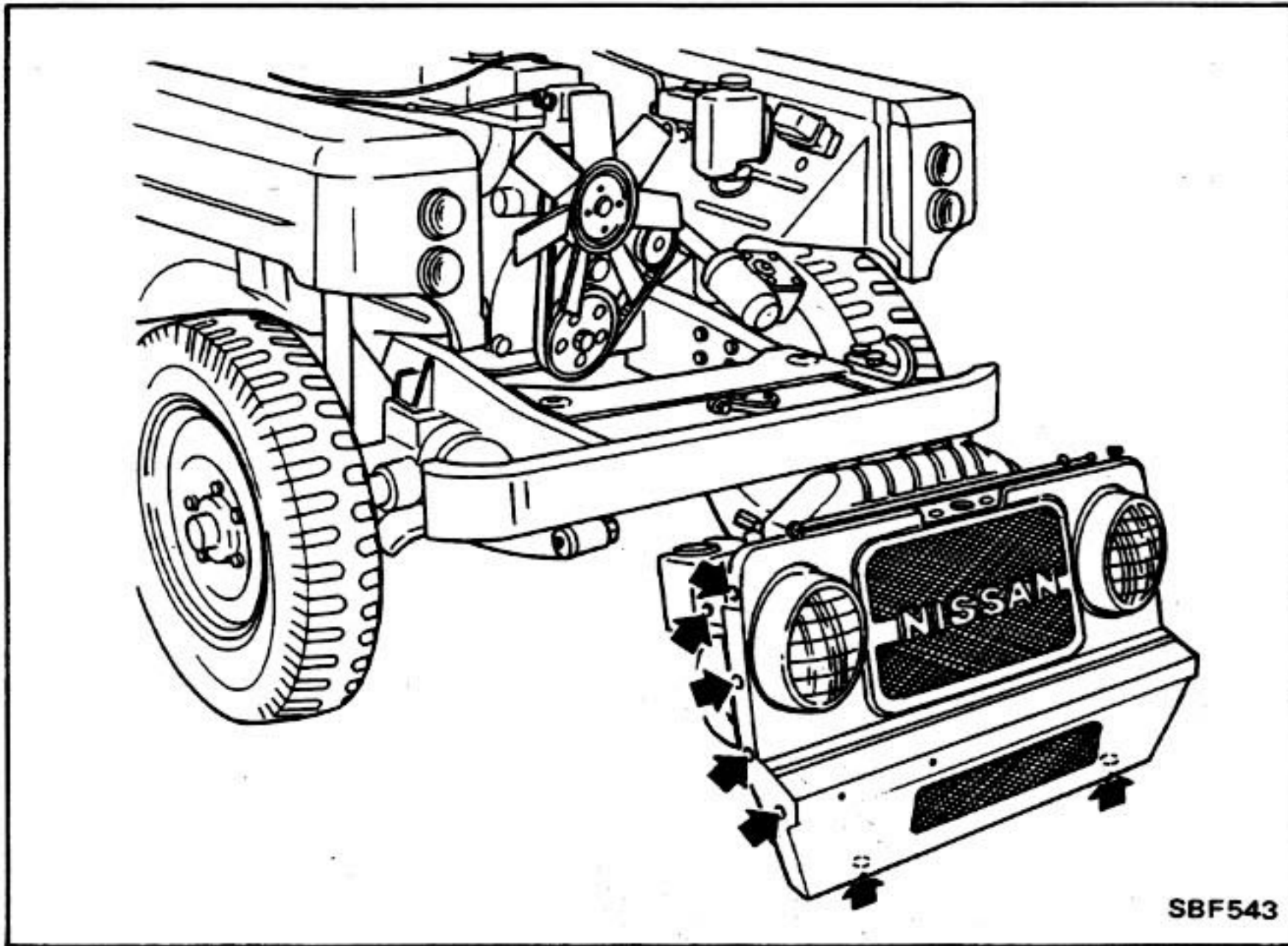
BODY FRONT END (Canvas Top)



FRONT BUMPER AND TOWING HOOK



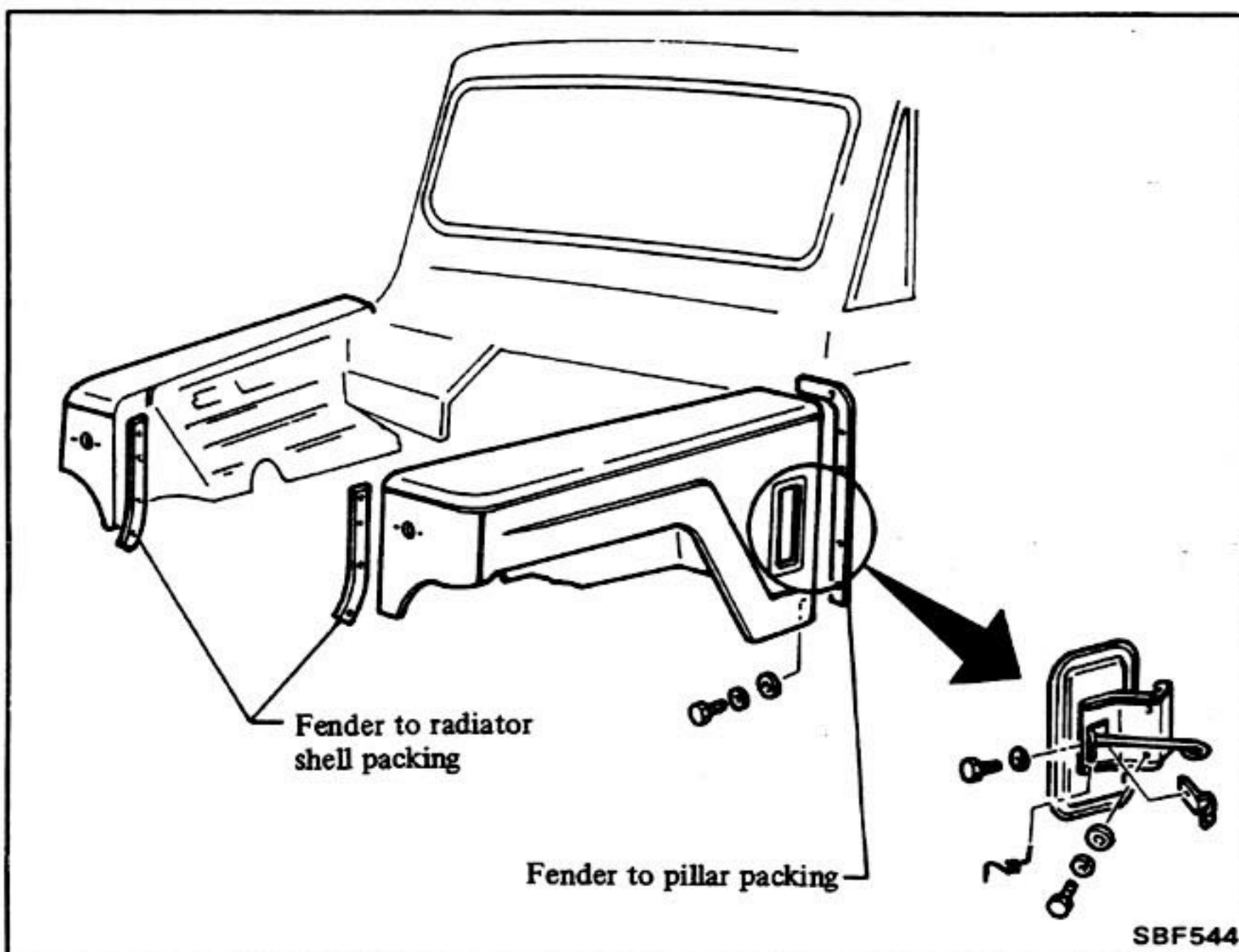
RADIATOR SHELL



REMOVAL AND INSTALLATION

1. Remove hood.
2. Drain engine coolant.
3. Disconnect upper and lower radiator hoses.
4. Disconnect all engine compartment harness connectors.
5. Remove radiator shell securing bolts.
6. Remove radiator shell, engine compartment harness and radiator assembly as a unit.
7. Installation is in reverse order of removal.

FRONT FENDER

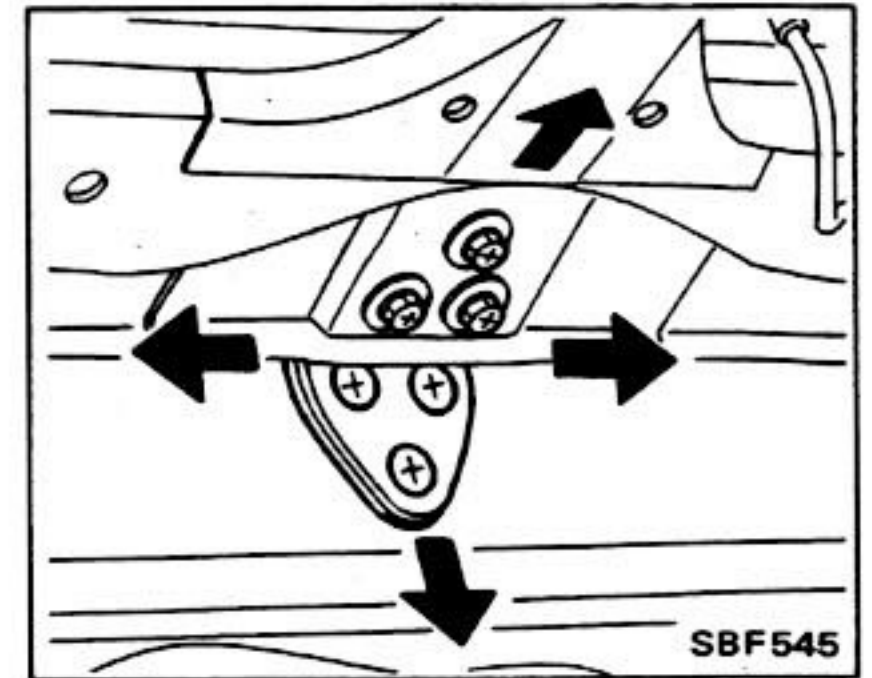


HOOD

ADJUSTMENT

Hood

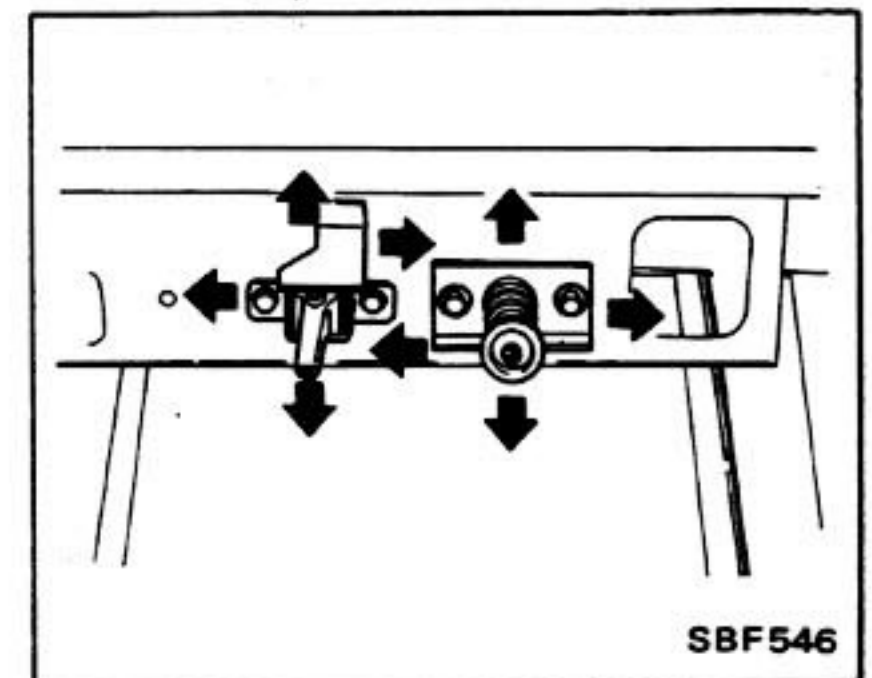
Loosen bolts attaching hood hinge. Adjust hood back and forth and side to side until it is set in its optimum position.



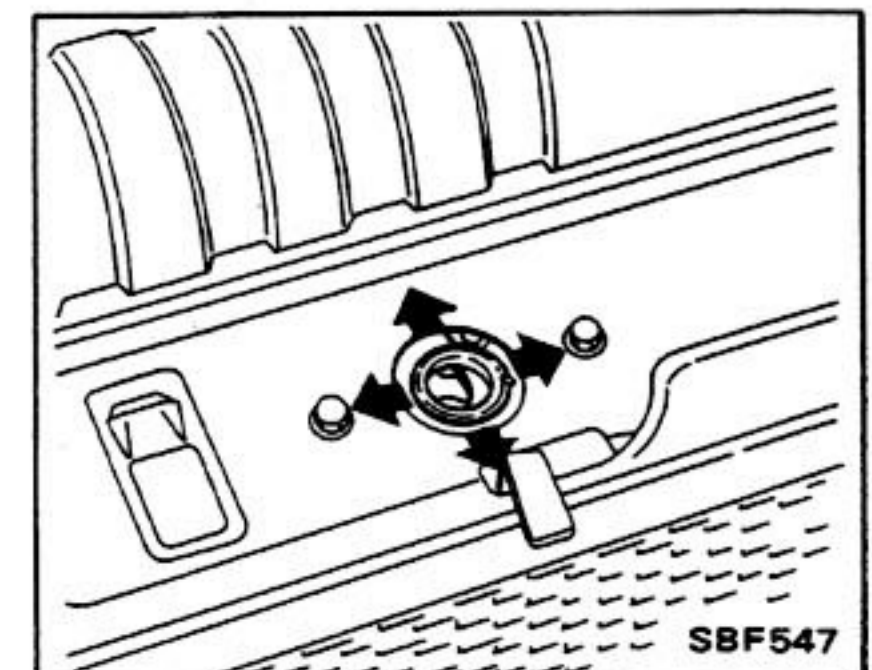
Hood lock

Loosen bolts attaching hood locks. Adjust hood locks back and forth and side to side until they are set in their optimum position.

Male side

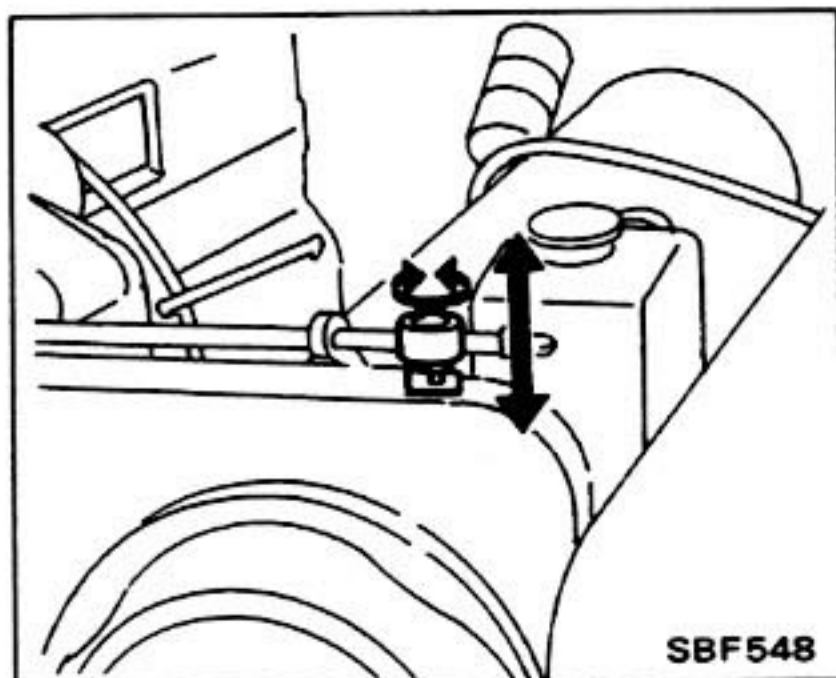


Female side



Bumper rubber

Adjust bumper rubber height so that hood does not interfere with front fender.

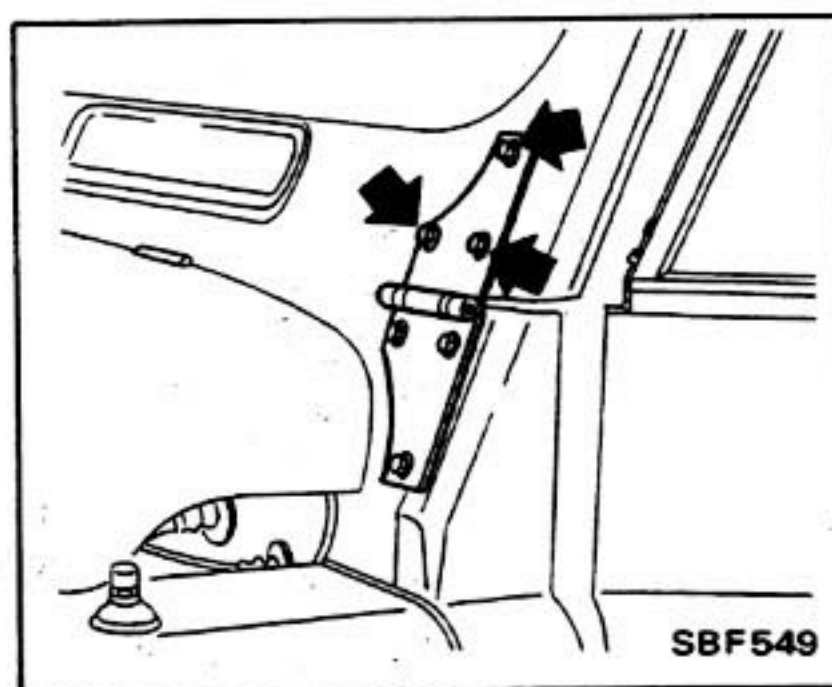


Adjust bumper rubber so that it contacts its mating panel.

WINDSHIELD PANEL

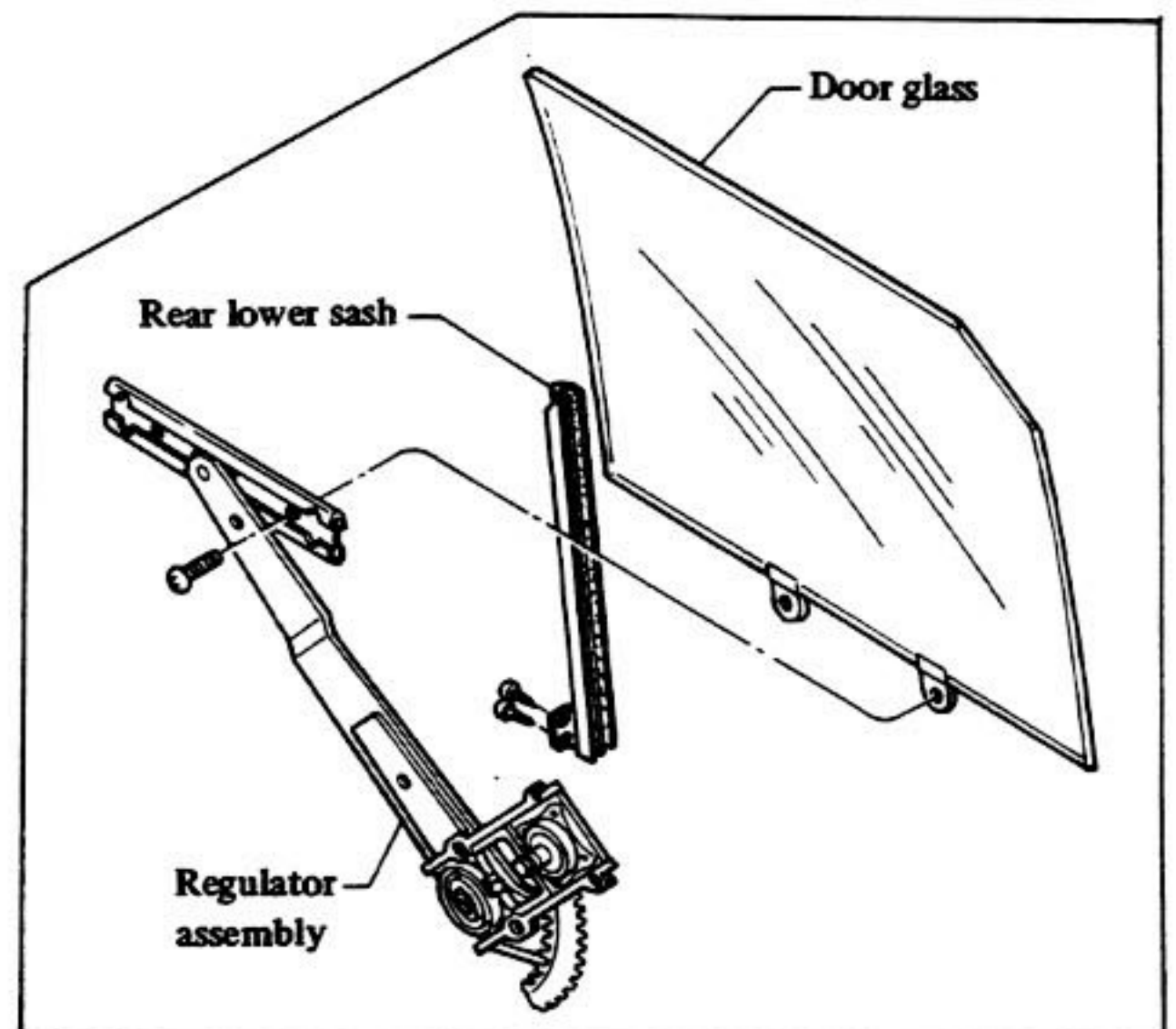
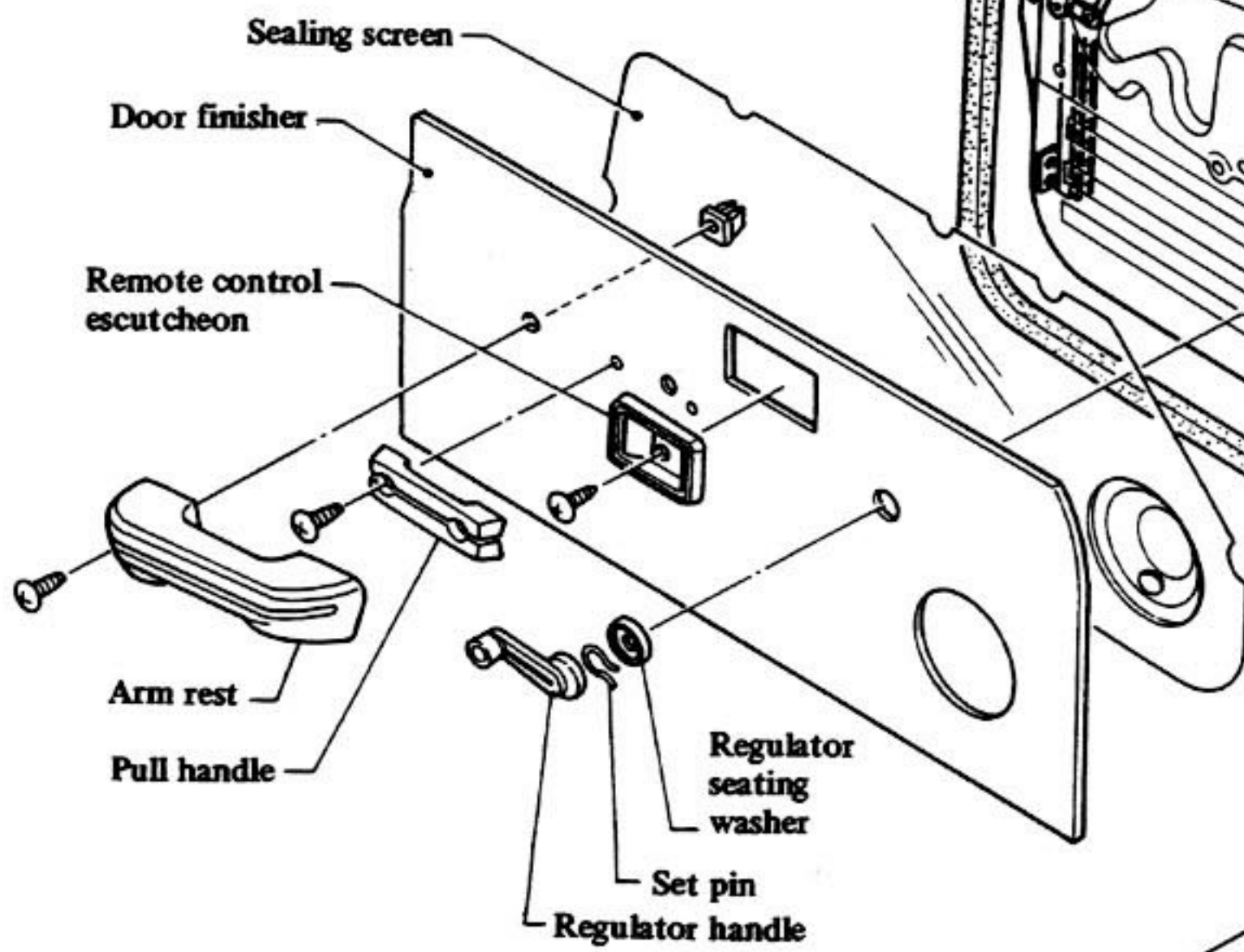
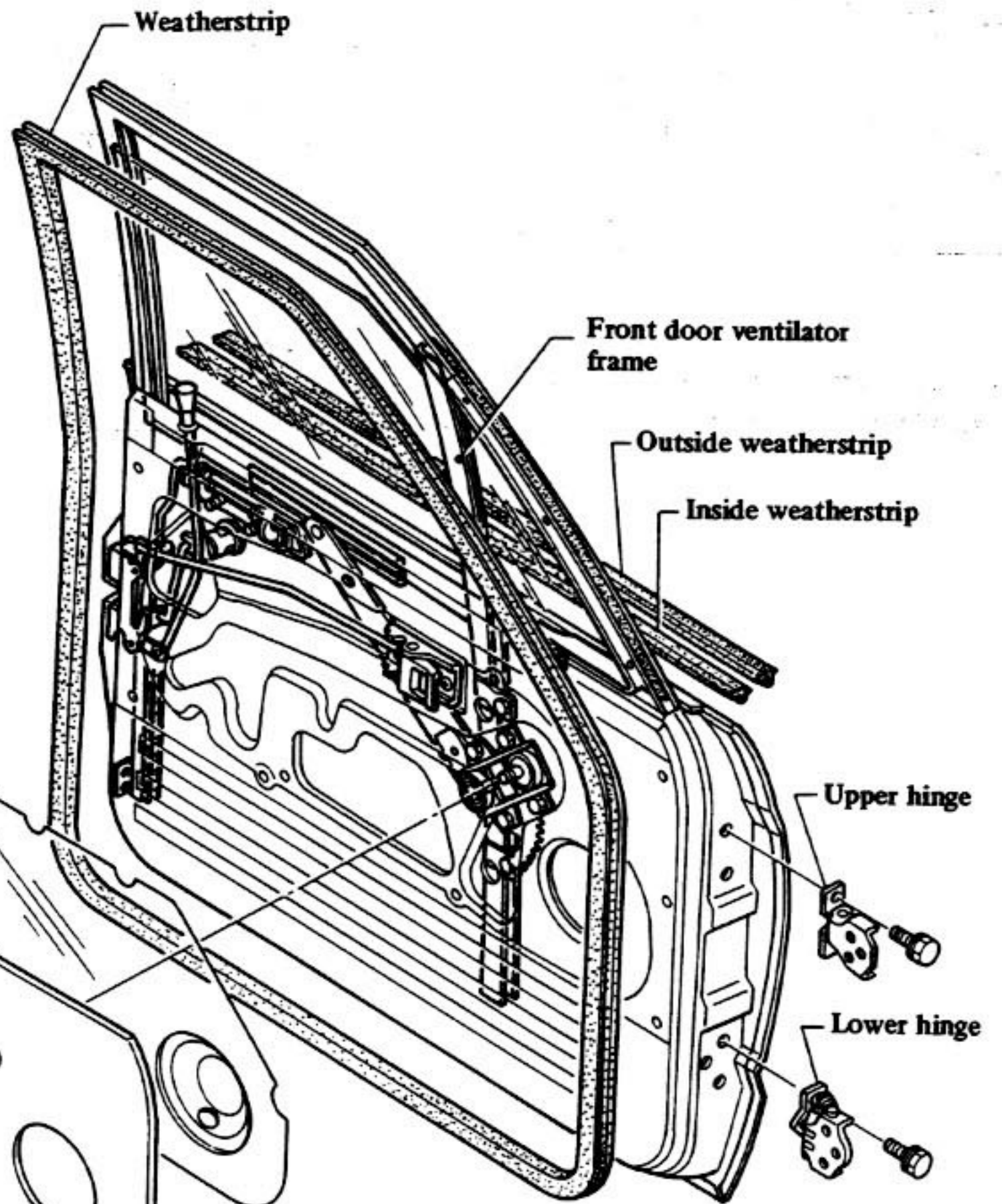
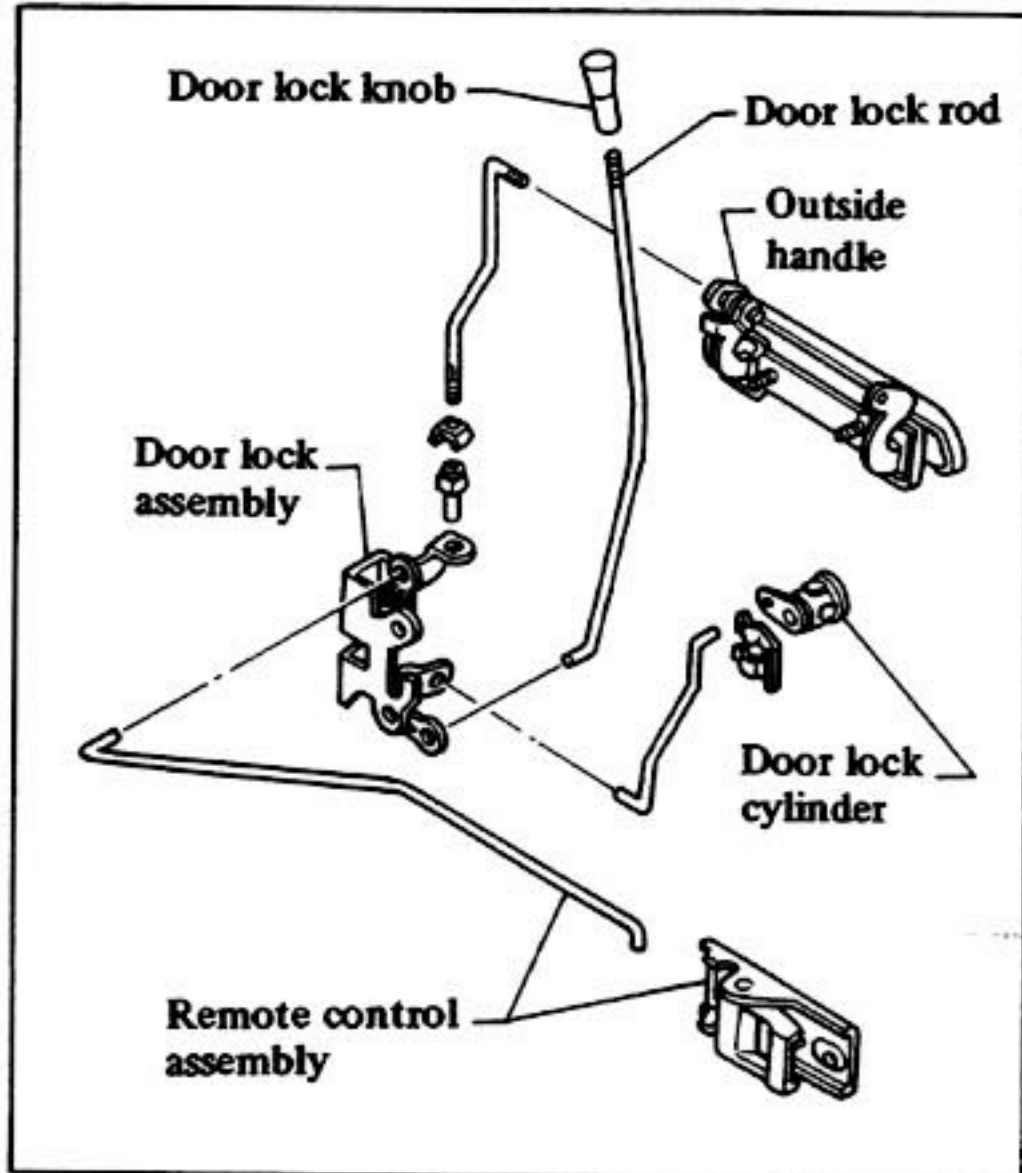
REMOVAL AND INSTALLATION

1. Disconnect wiper motor harness connector.
2. Remove bolts securing windshield panel hinge.



DOORS (Except Canvas Top)

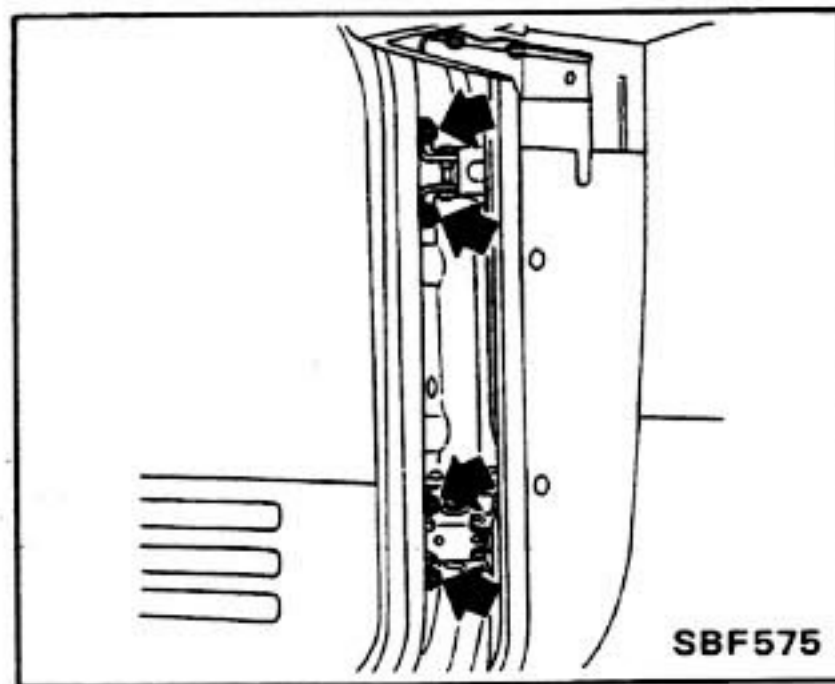
FRONT DOOR



REMOVAL AND INSTALLATION

Front door assembly

1. Remove front door.

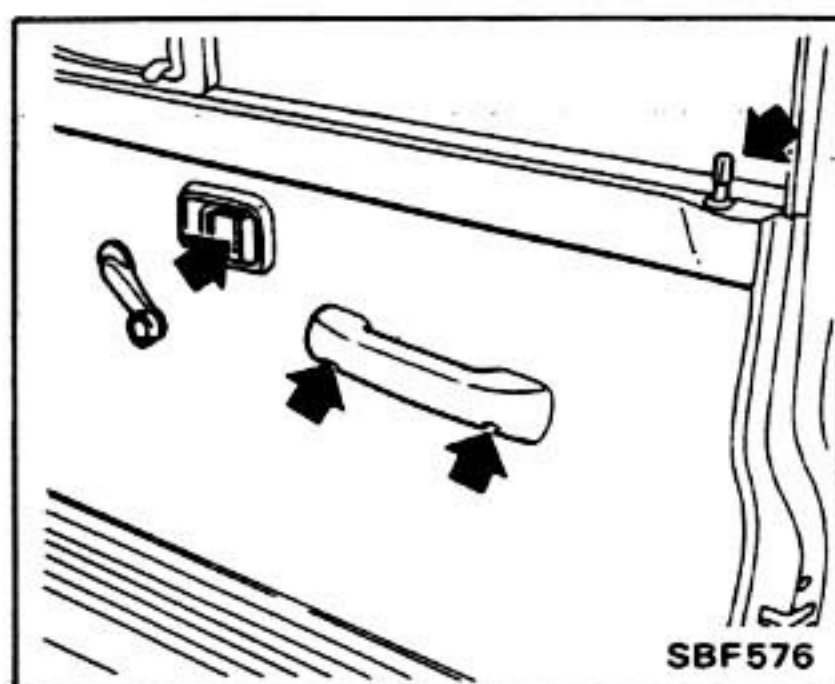


2. Installation is in reverse order of removal.

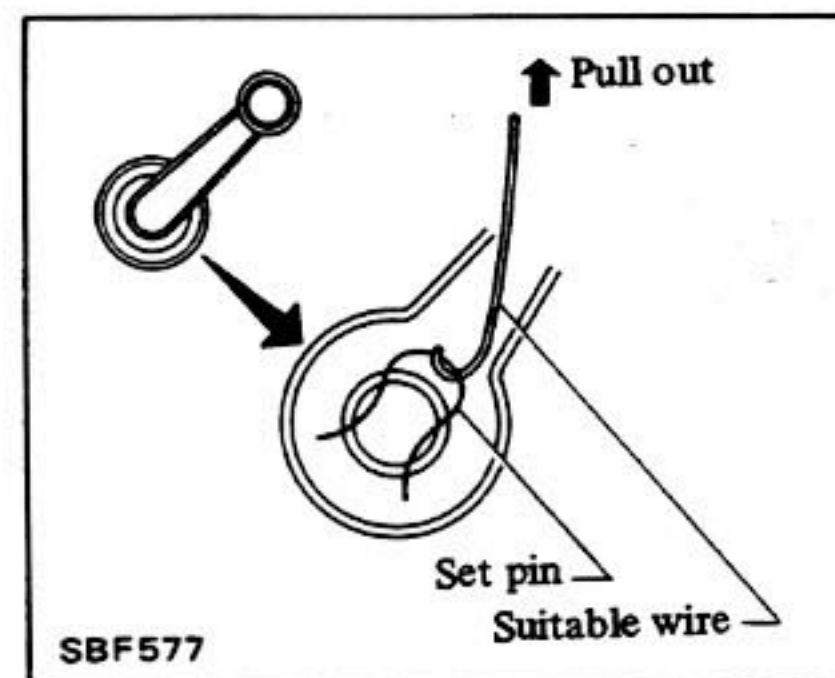
Adjust door. Refer to Adjustment.

Front door trim

1. Remove arm rest, door lock knob and remote control escutcheon.

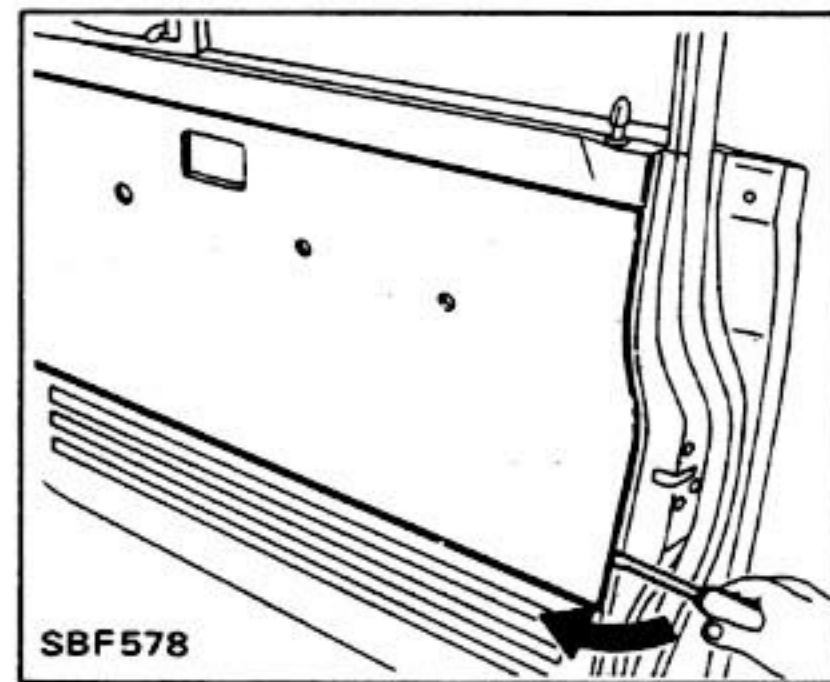


2. Remove regulator handle.



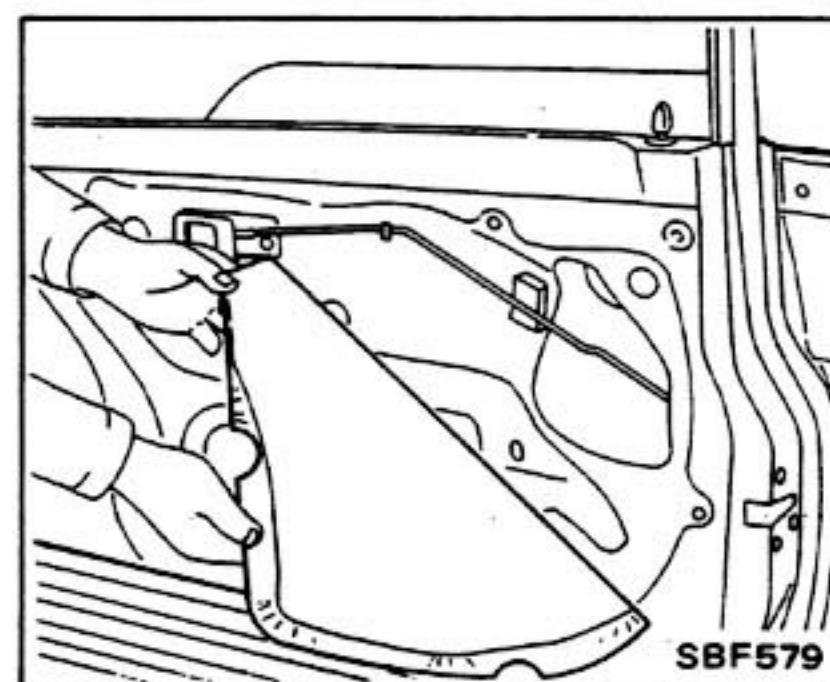
3. Remove door finisher.

When retaining clips from door inner panel, pry door finisher using suitable tool.

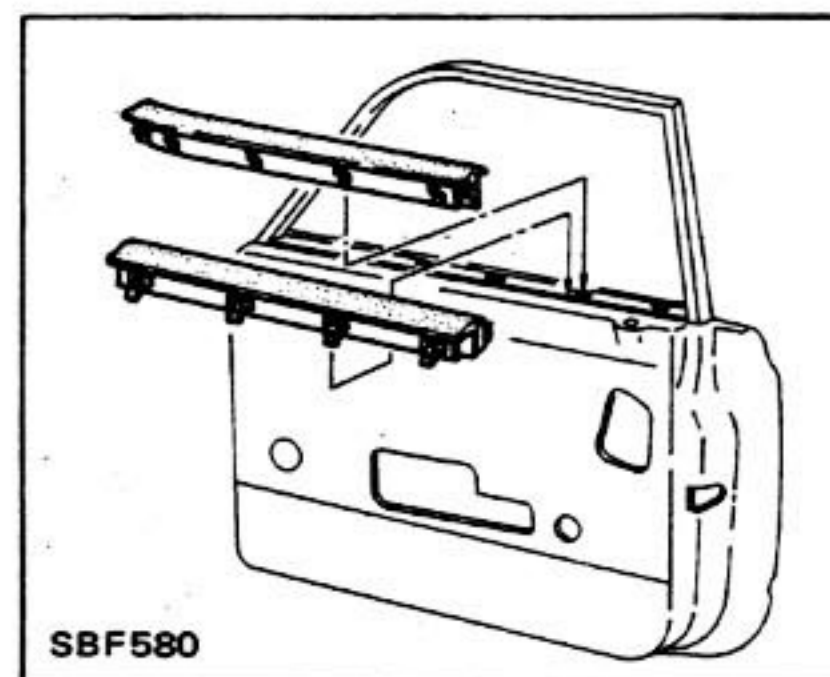


4. Remove sealing screen.

When removing sealing screen, allow bonding agent to contact any adjacent parts.

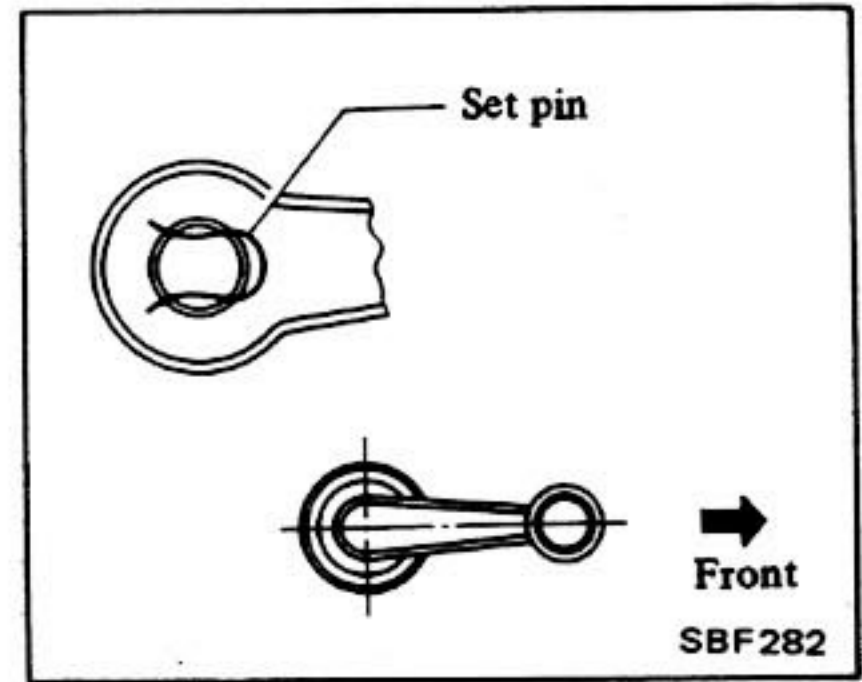


5. Remove door weatherstrip using suitable tools.



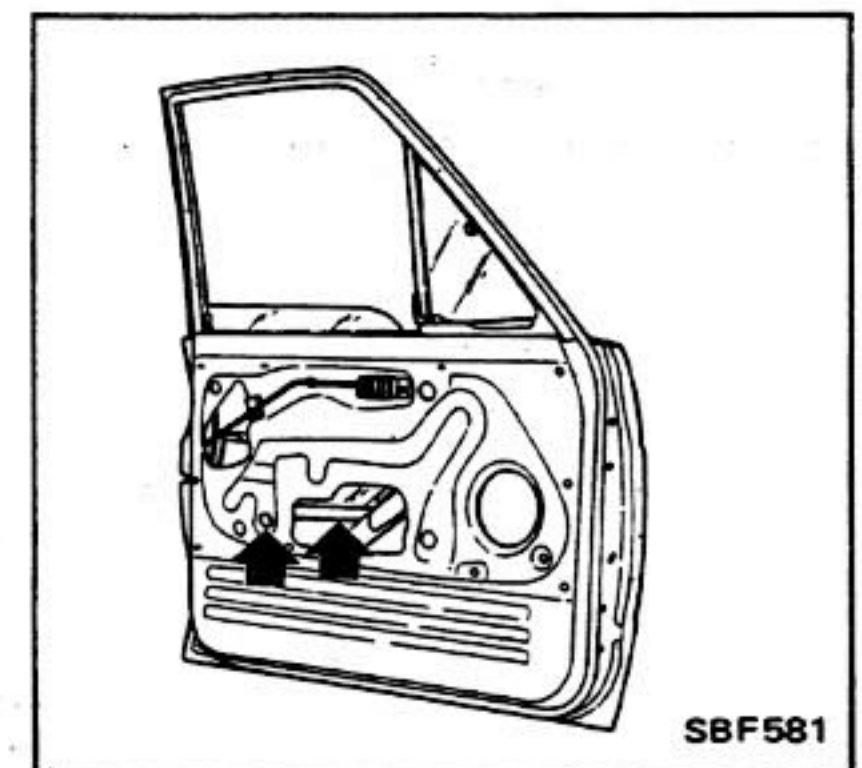
- To avoid water or dust leakage through inner door into passenger compartment, securely attach sealing screen with tape or bonding agent.

- Position regulator handle with door glass closed as shown in figure, securing it with set pin.

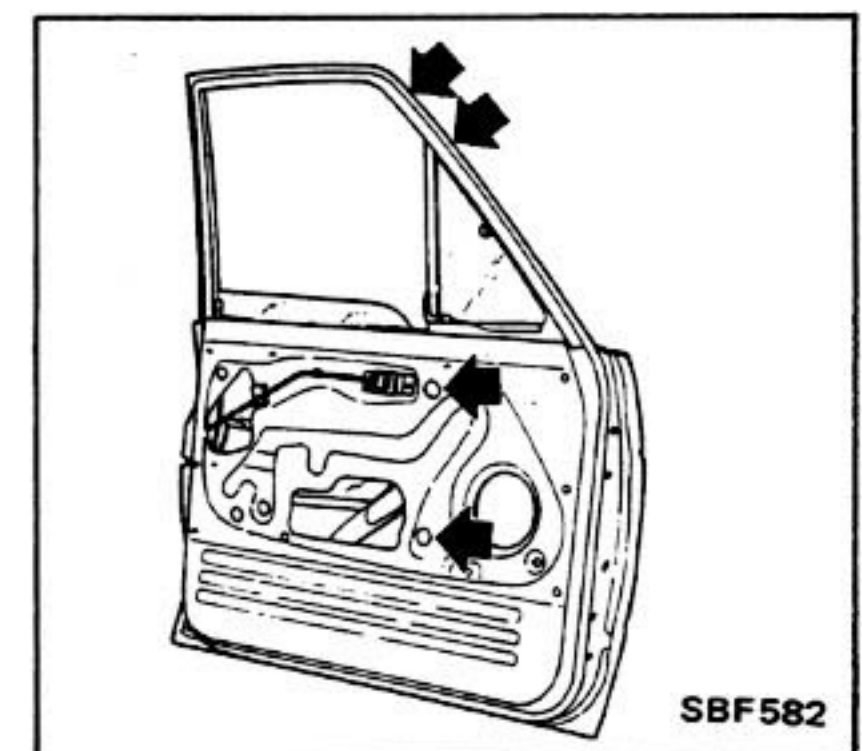


Door glass and regulator

1. Remove front door trim.
2. Remove front door glass fixing bolt from regulator arm.

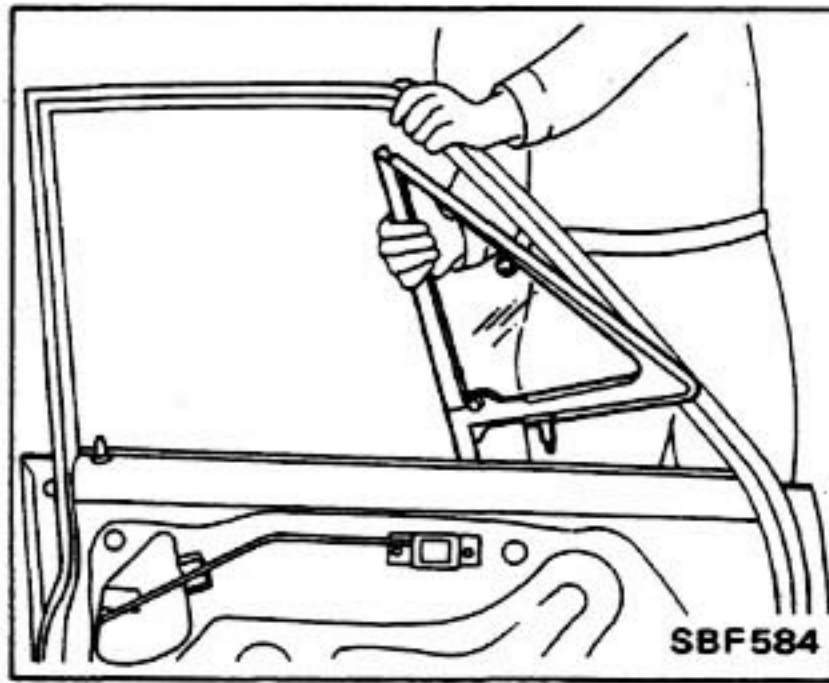
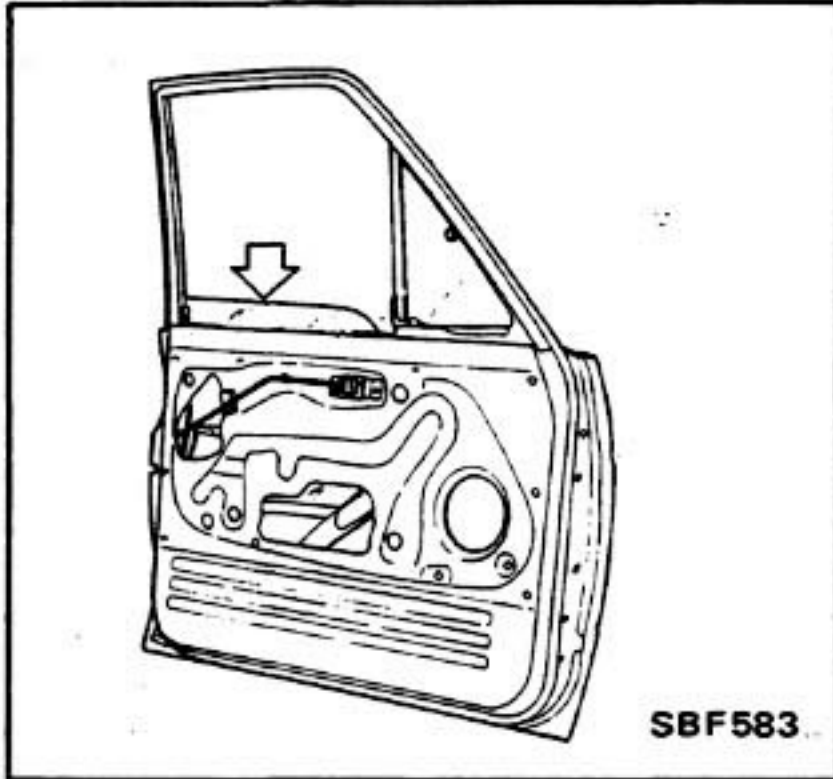


3. Remove bolts securing front door ventilator frame.

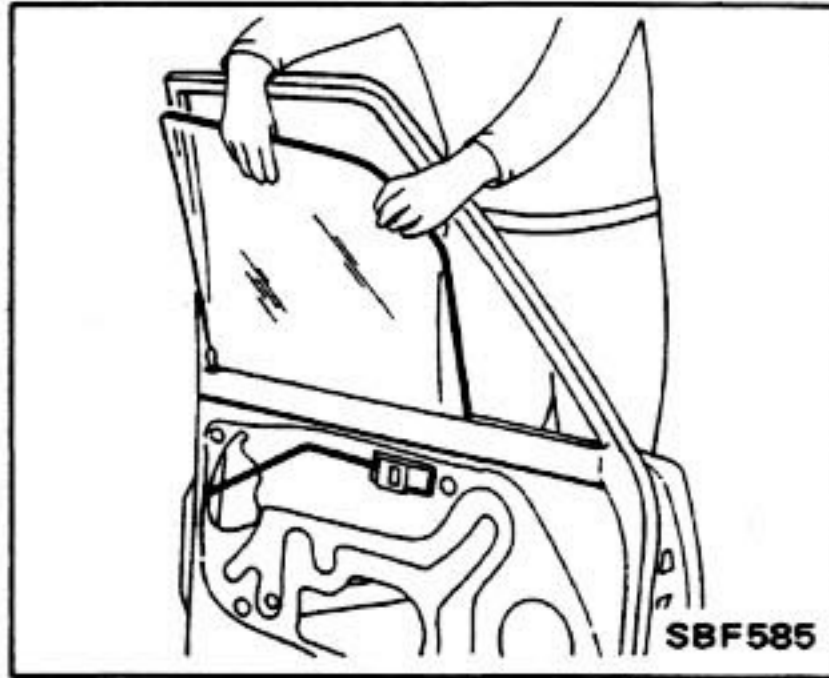


Doors (Except Canvas Top) – BODY & FRAME

4. Remove door glass from regulator, and lower it completely.

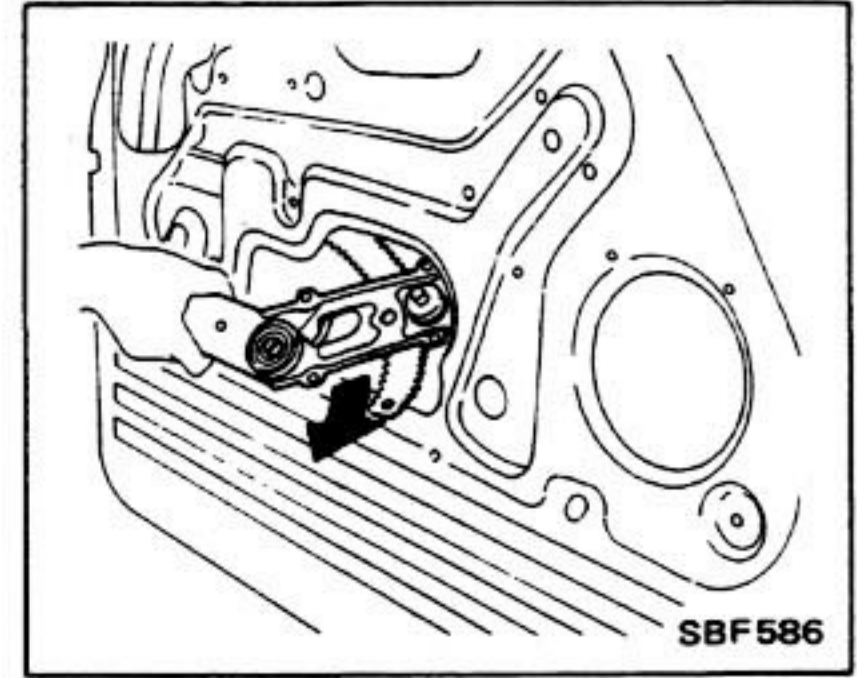


6. Remove front door glass.



5. Withdraw front door ventilator frame.

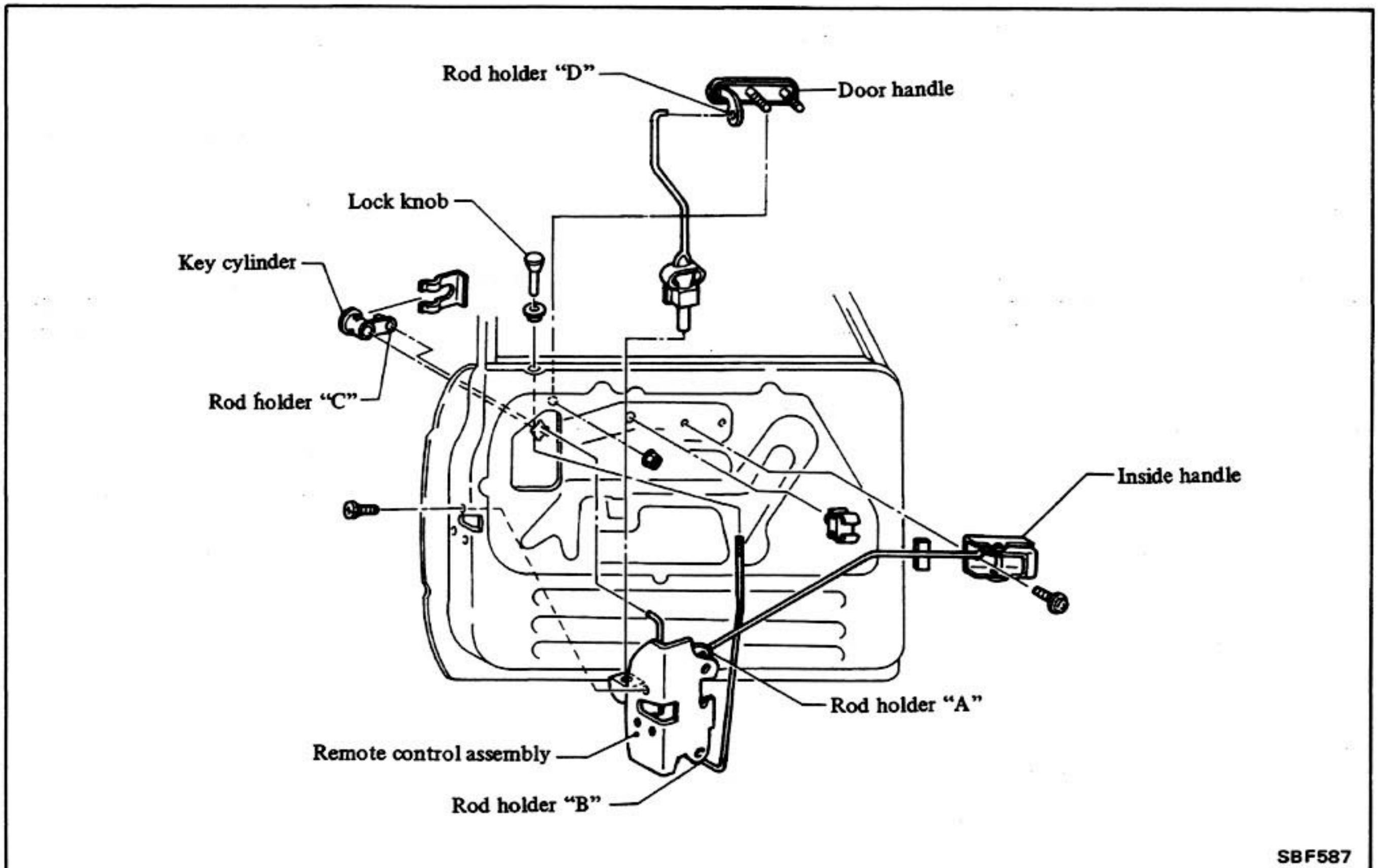
7. Remove door glass regulator attaching bolts, and withdraw door glass regulator.



8. Installation is in reverse order of removal.

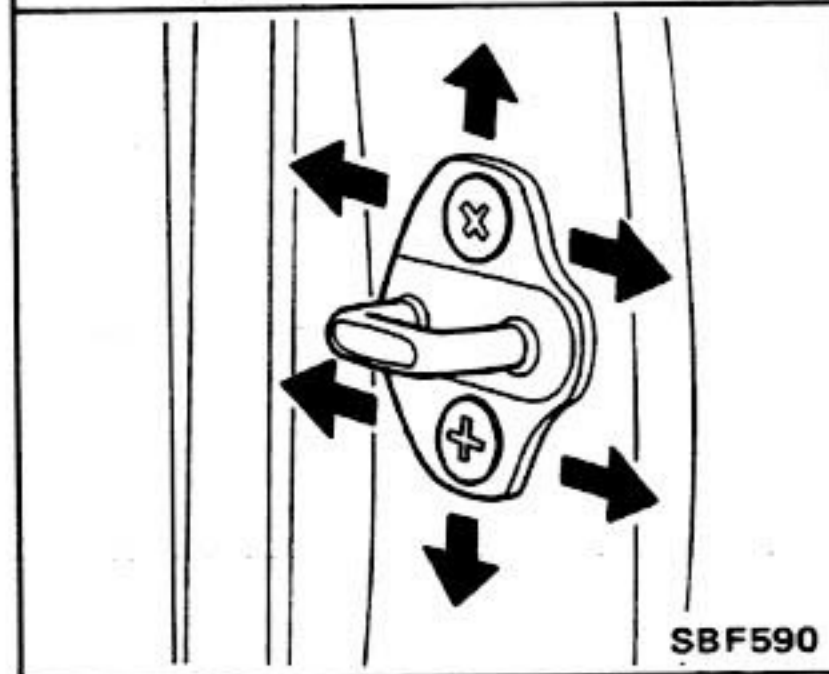
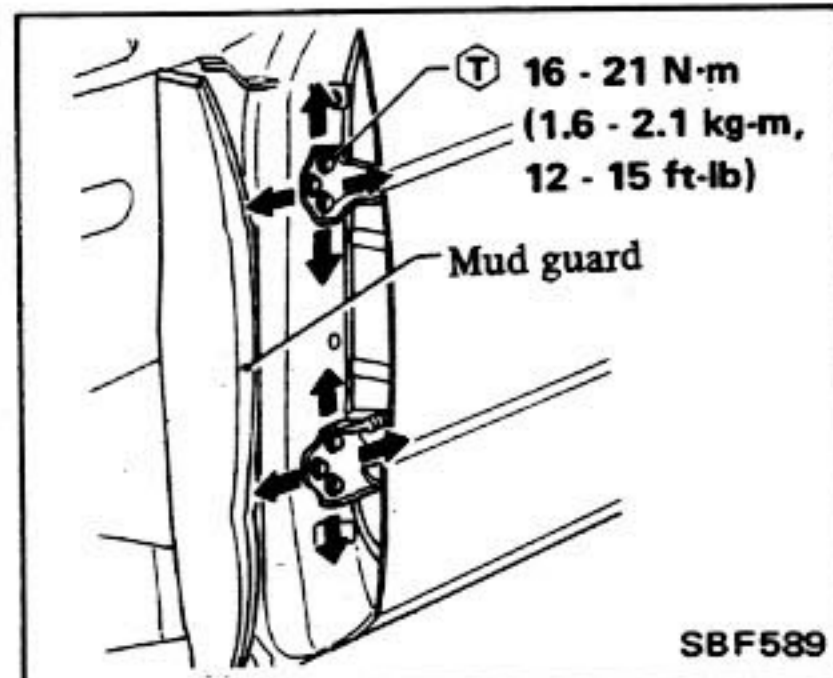
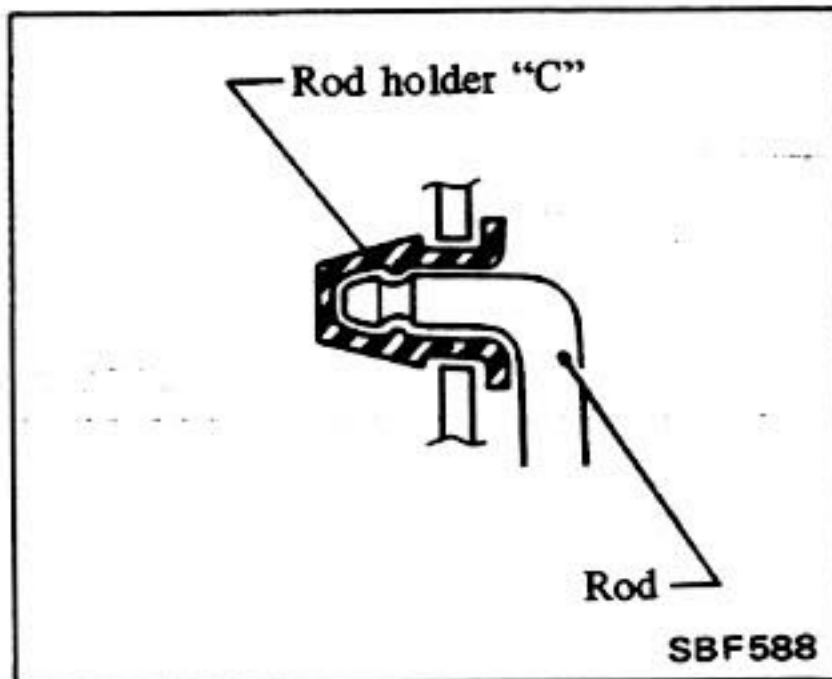
Adjust door glass and regulator. Refer to Adjustment.

Door lock and lock control



1. Remove front door trim and door lock knob.
2. Disengage rod holder "A" and remove inside door handle.
3. Disengage rod holder "C".
4. Disconnect door lock assembly retaining screws, and remove door lock assembly.
5. Remove outside front door handle.

Discard rod holder "C" after removal, and install new one.



6. Remove key cylinder.
7. Installation is in reverse order of removal.

Adjust door lock. Refer to Adjustment.

ADJUSTMENT

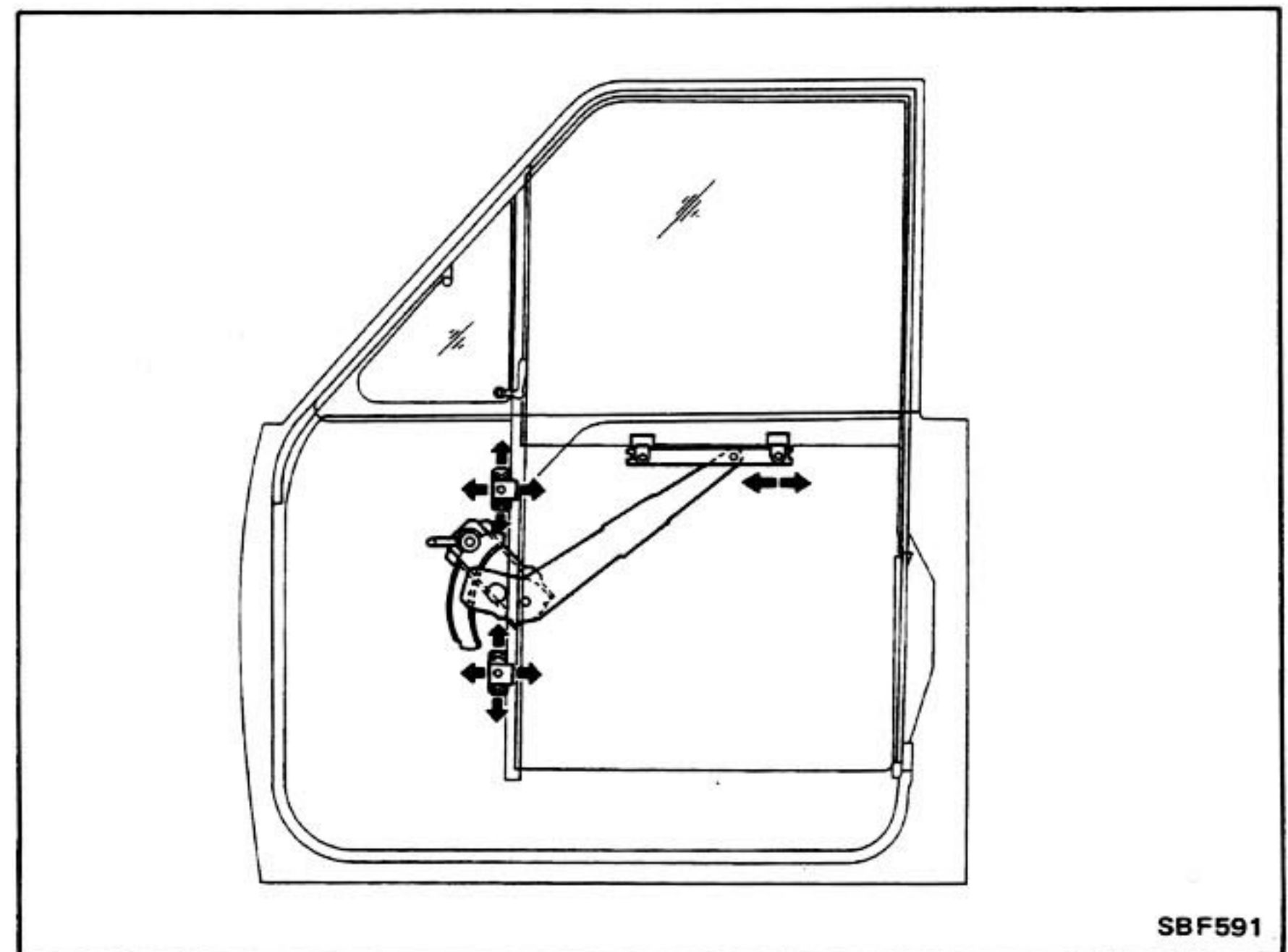
Front door assembly

Door should be adjusted for an even and parallel fit with the door opening and surrounding body panel.

1. Loosen door lock striker fixing screws.
2. Remove mud guard.
3. Loosen door hinge fixing bolts from front pillar and then adjust door for an even and parallel fit with the door opening and surrounding body panel.
4. Tighten door hinge fixing bolts.

Ⓣ : 16 - 21 N-m
(1.6 - 2.1 kg-m,
12 - 15 ft-lb)

5. Adjust door lock striker on lock position.



Fore-and-aft adjustment

1. Loosen bolts attaching door window glass.
2. Adjust door window glass firmly into the rear edge and upper rear corner of rear glass run rubber.
3. After adjusting, tighten bolts attaching door window glass.

Ⓣ : 3.7 - 5.0 N-m
(0.38 - 0.51 kg-m,
2.7 - 3.7 ft-lb)

Front door glass

Door window glass alignment can be performed by adjusting guide channels A and B, and front door lower sash or front door ventilator frame.

Partially tighten guide channels A and B and front door lower sash or front door ventilator frame.

Sliding resistance adjustment

1. Loosen front door ventilator frame fixing bolts.
2. With cycle door glass up and down, adjust it for smoothly up and down.
3. After adjusting, tighten front door ventilator frame fixing bolts.

Ⓣ : 3.7 - 5.0 N-m
(0.38 - 0.51 kg-m,
2.7 - 3.7 ft-lb)

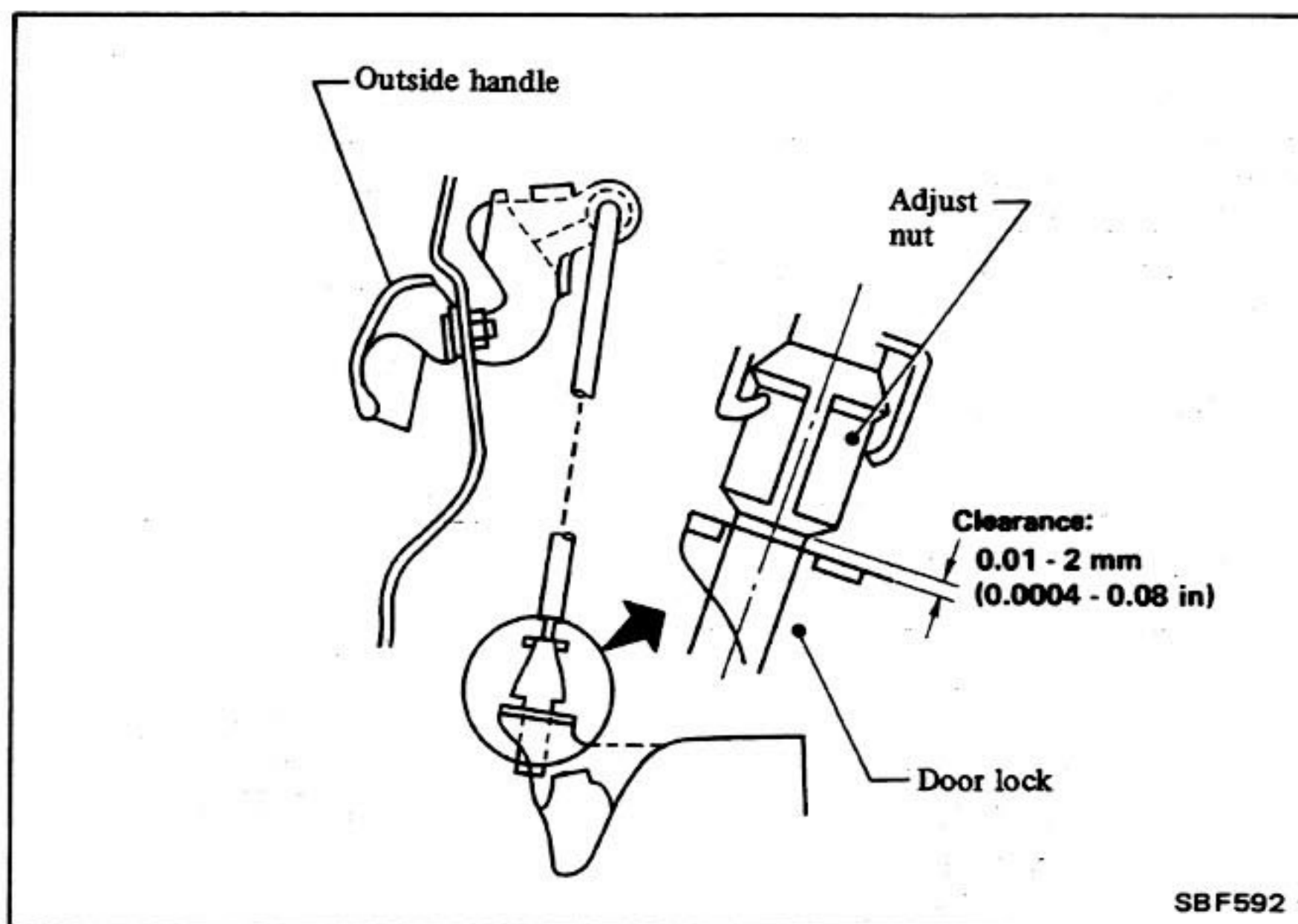
Doors (Except Canvas Top) – BODY & FRAME

Outside handle

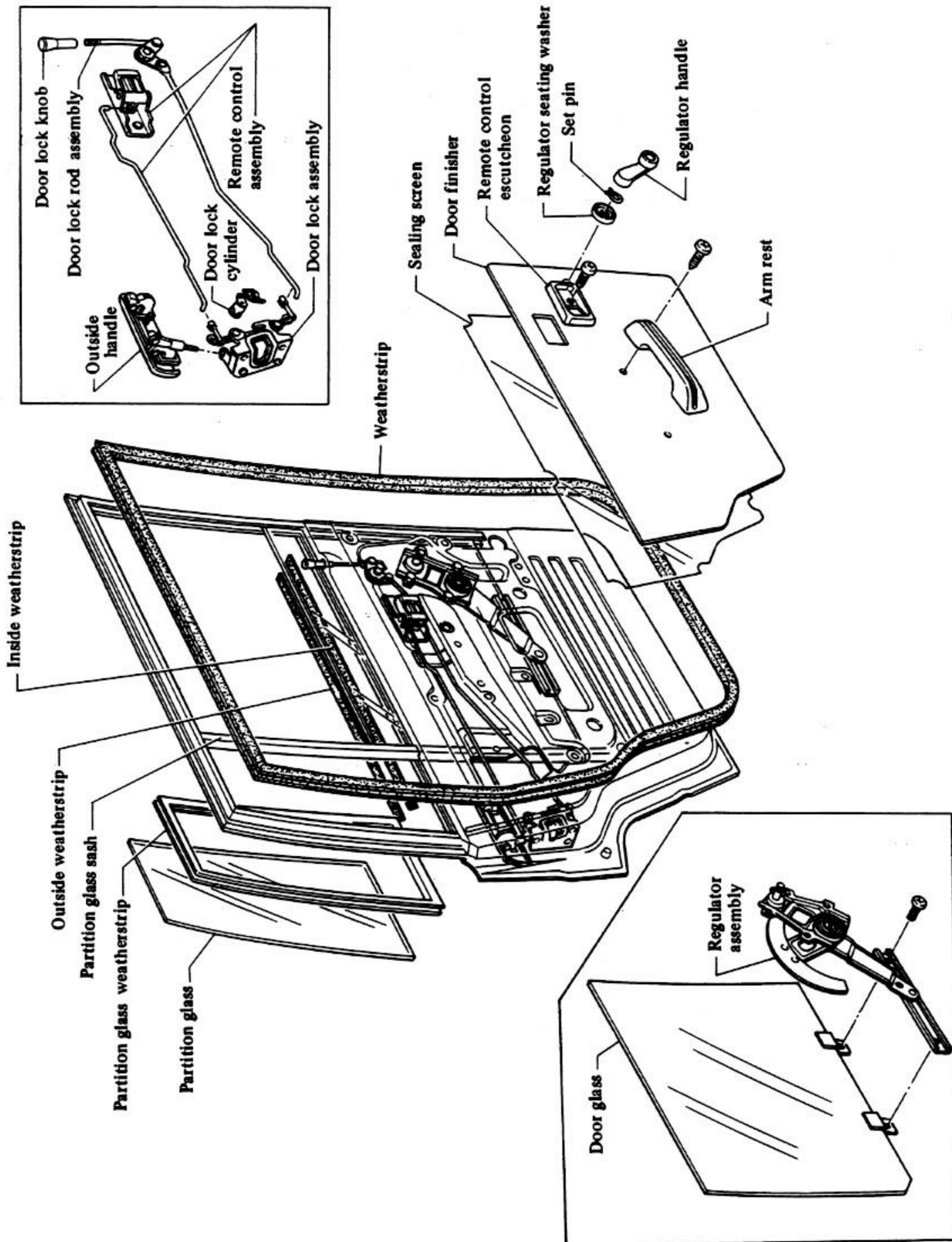
Adjust clearance between outside handle and adjusting nut.

Clearance:

0.01 - 2 mm (0.0004 - 0.08 in)



REAR DOOR



SBF932

REMOVAL AND INSTALLATION

Rear door assembly

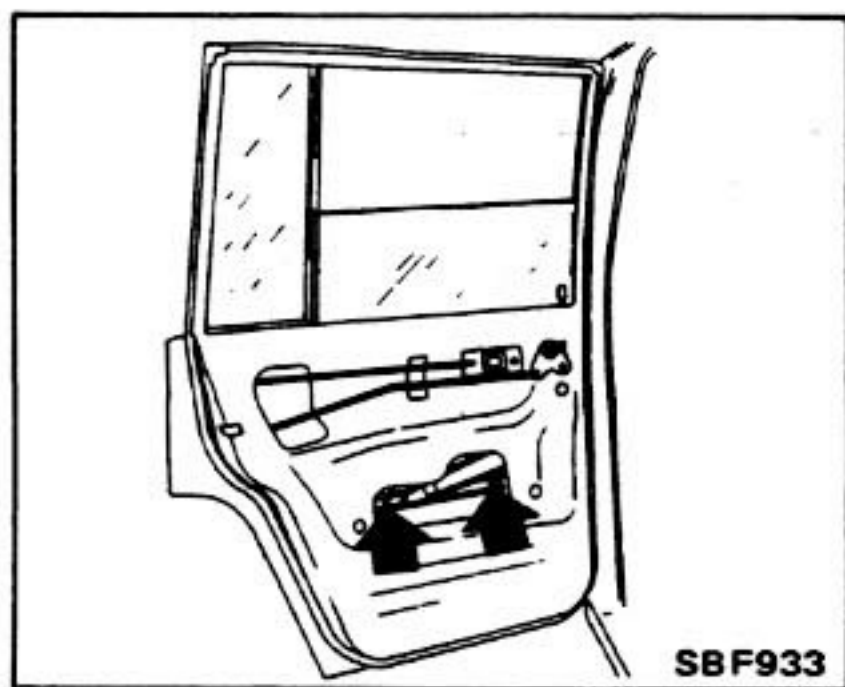
1. Remove seat belt fixing bolt on lock pillar side.
2. Remove seat belt lock pillar reinforcement.
3. Remove rear door.
4. Installation is in reverse order of removal.

Rear door trim

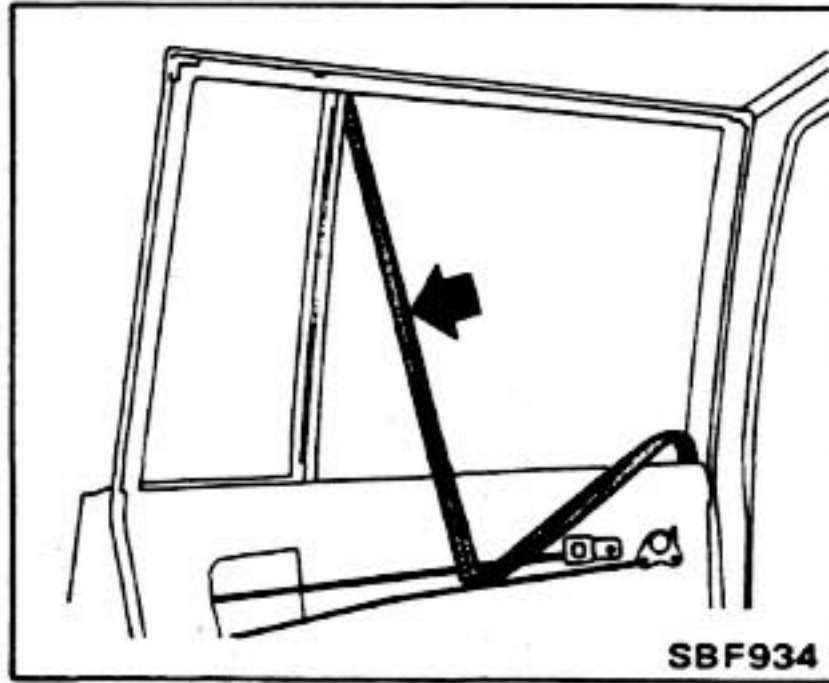
Follow the same procedures as for Front Door.

Door glass and regulator

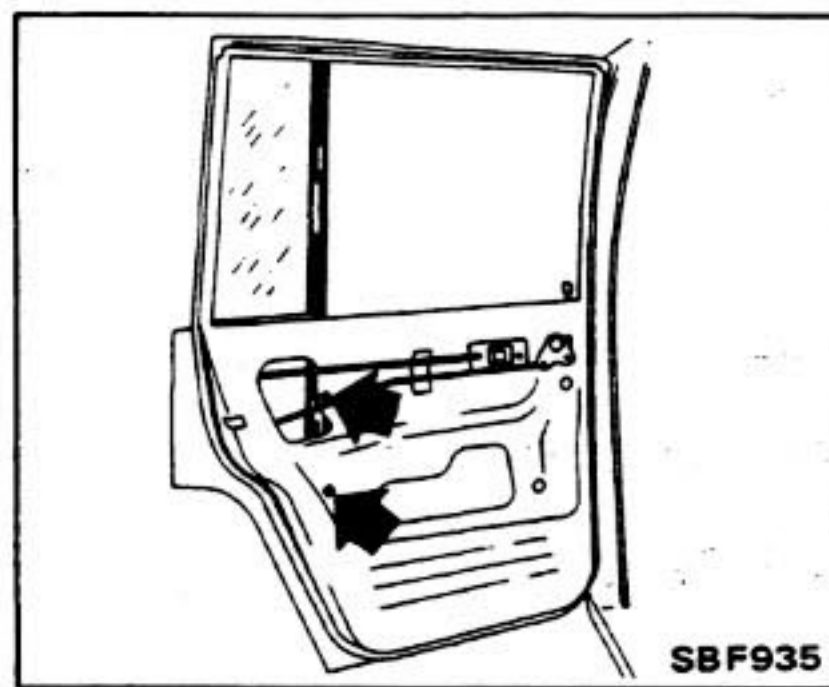
1. Remove rear door trim.
2. Remove rear door glass fixing bolts.



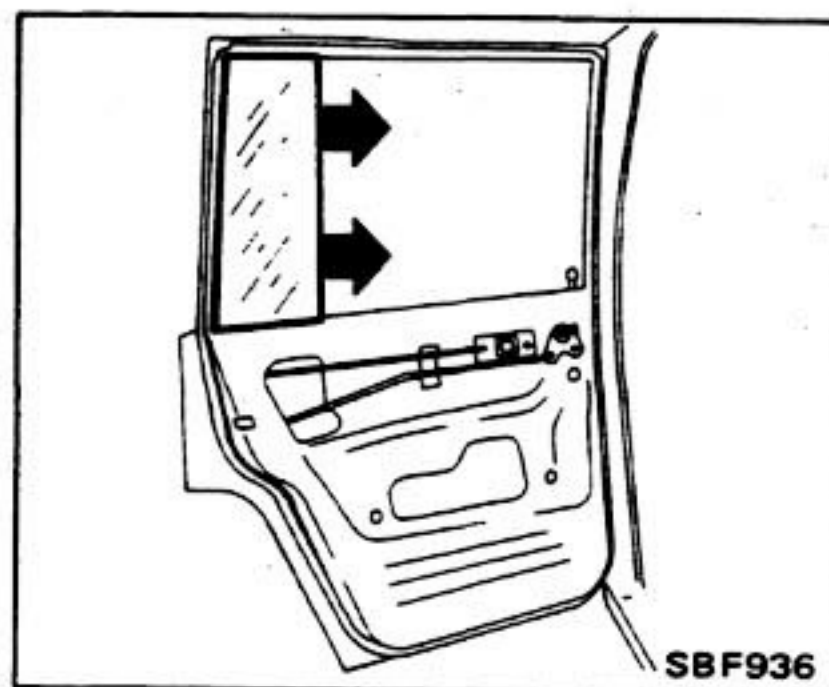
3. Remove rear door glass run.



4. Remove rear door partition sash.



5. Remove rear door partition glass.



6. Remove rear door glass.
7. Remove door glass regulator.
8. Installation is in reverse order of removal.

Adjust door glass. Refer to Adjustment.

Door lock and lock control

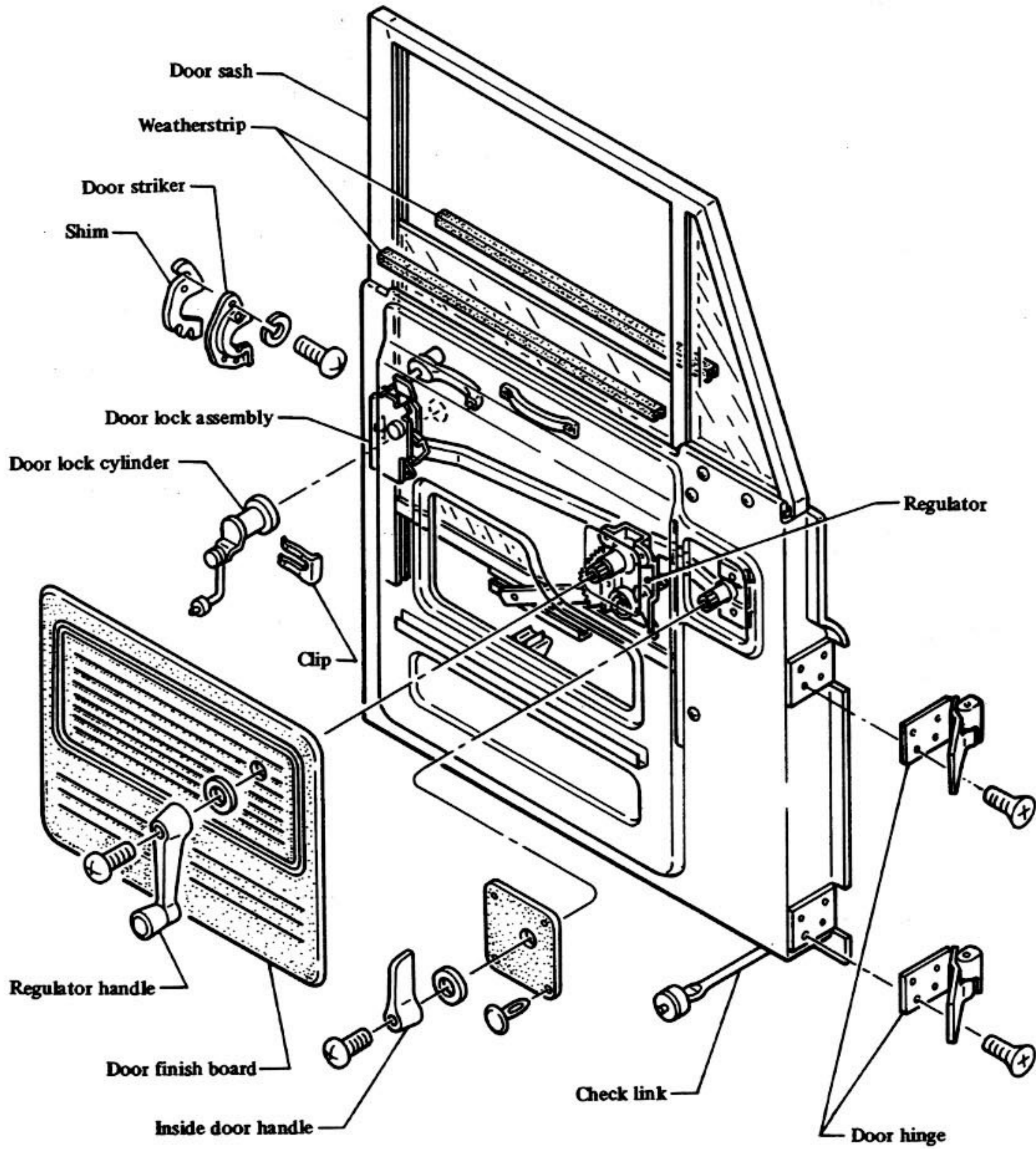
Follow the same procedures as for Front Door.

ADJUSTMENT

Follow the same procedures as for Front Door.

DOORS (Canvas Top)

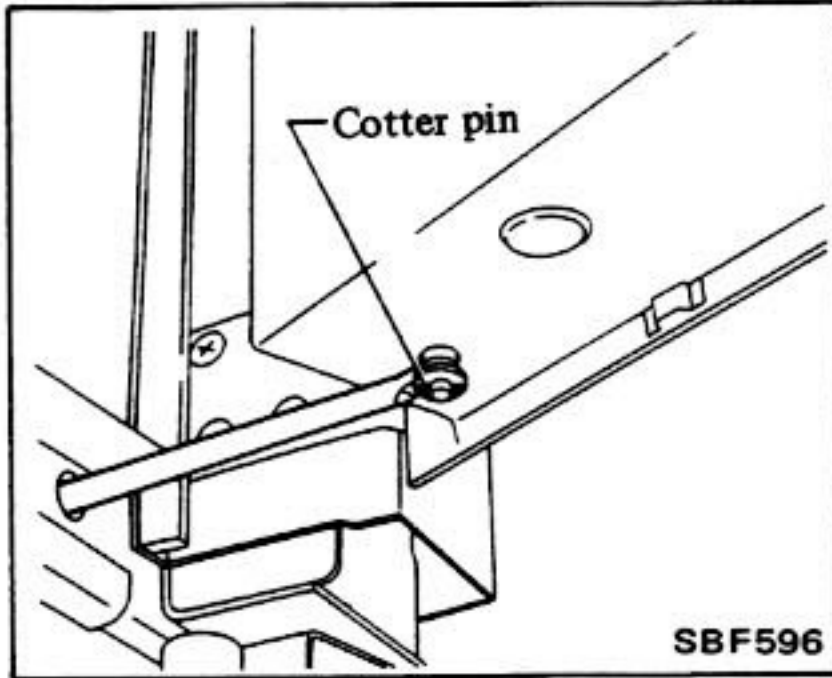
FRONT DOOR



REMOVAL AND INSTALLATION

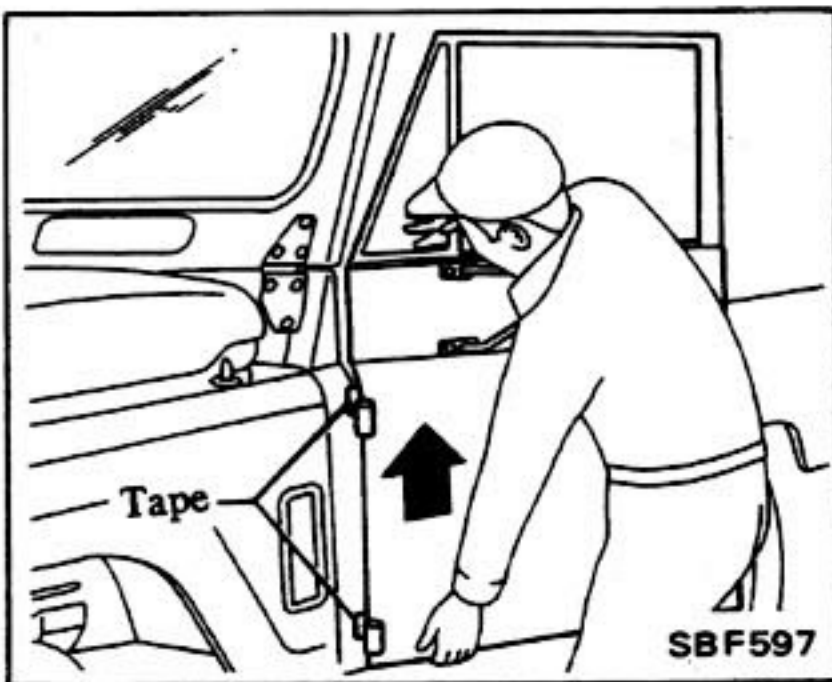
Front door assembly

1. Remove cotter pin at door check link and disconnect check link from front door.



2. Open door completely, and carefully lift it up and away from vehicle body.

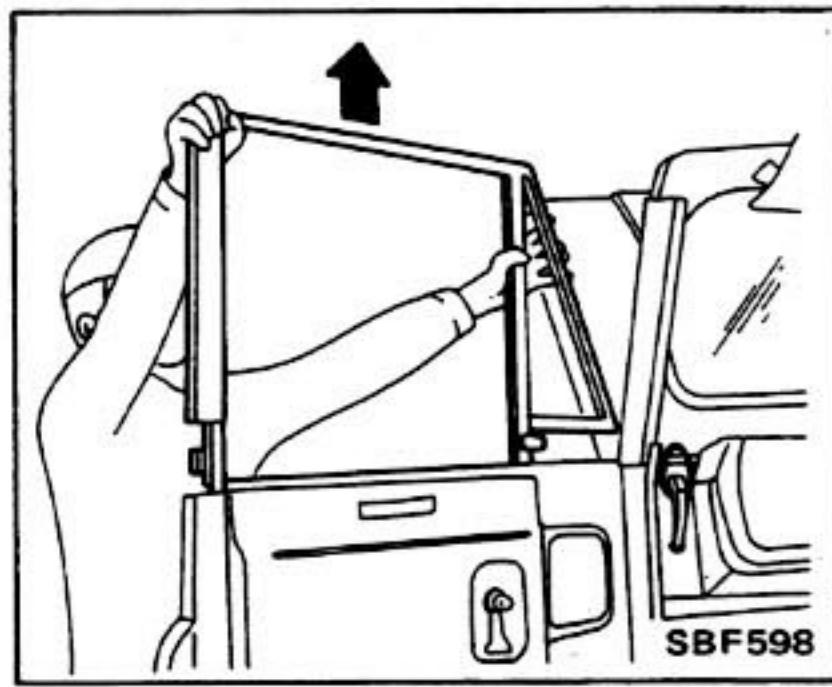
Use tapes when removing or installing door to avoid scratching vehicle body.



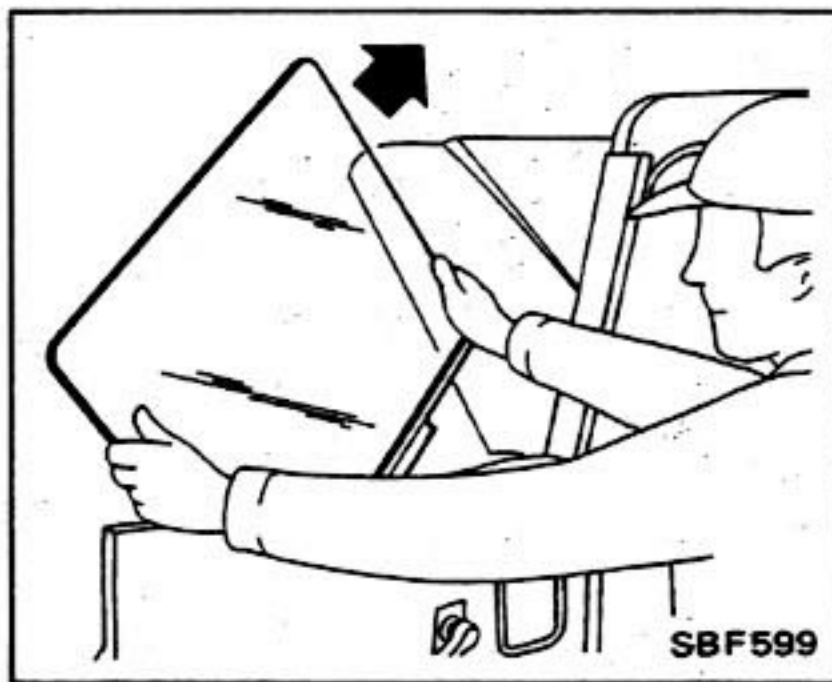
3. Installation is in reverse order of removal.

Door window glass

1. Remove door finish boards, regulator handle, inside lock handle, and door finisher.
2. Remove front door sash fixing bolt and detach sash.



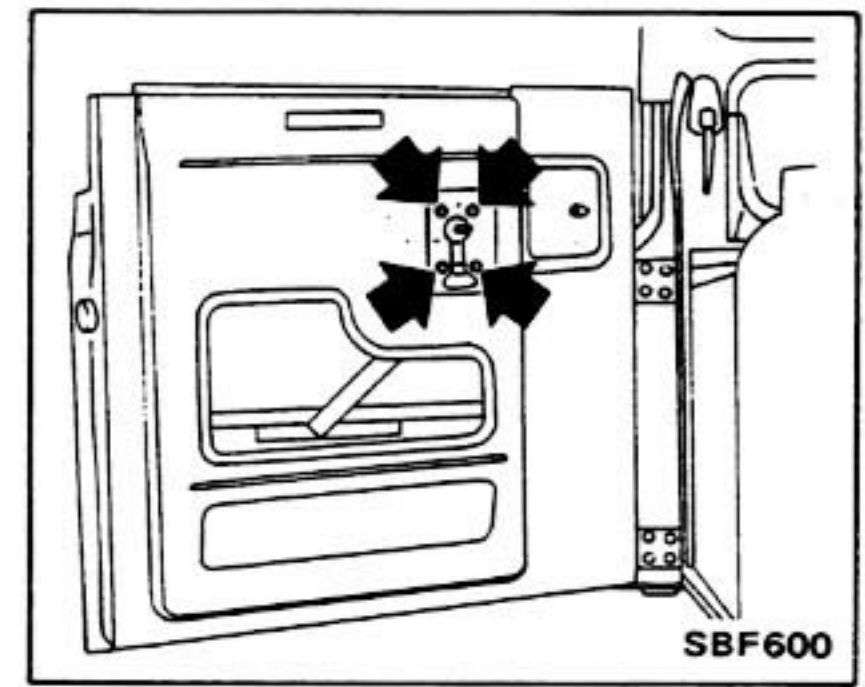
3. Tilt and remove front door window glass.



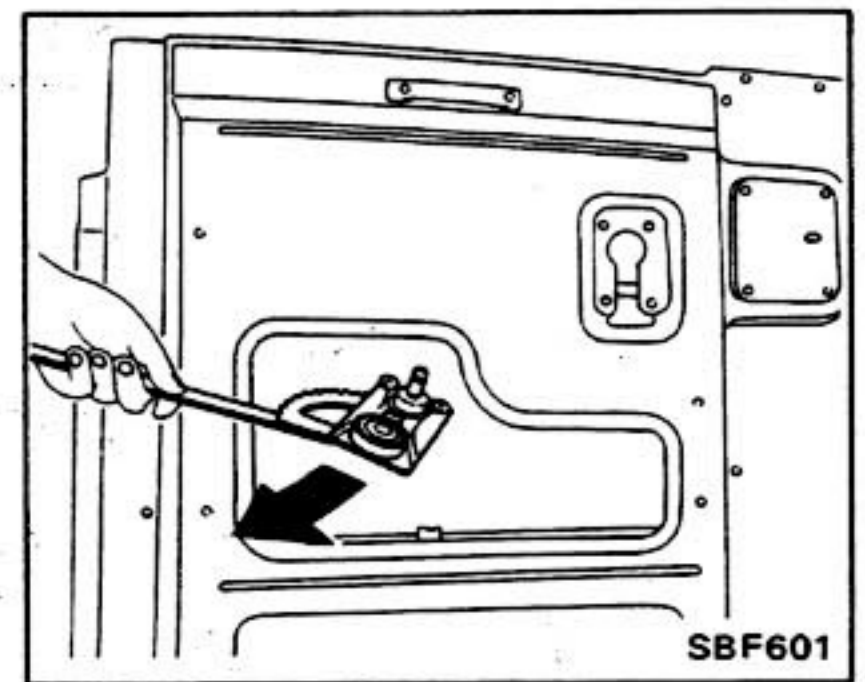
4. Installation is in reverse order of removal.

Window regulator

1. Remove window regulator fixing bolts.

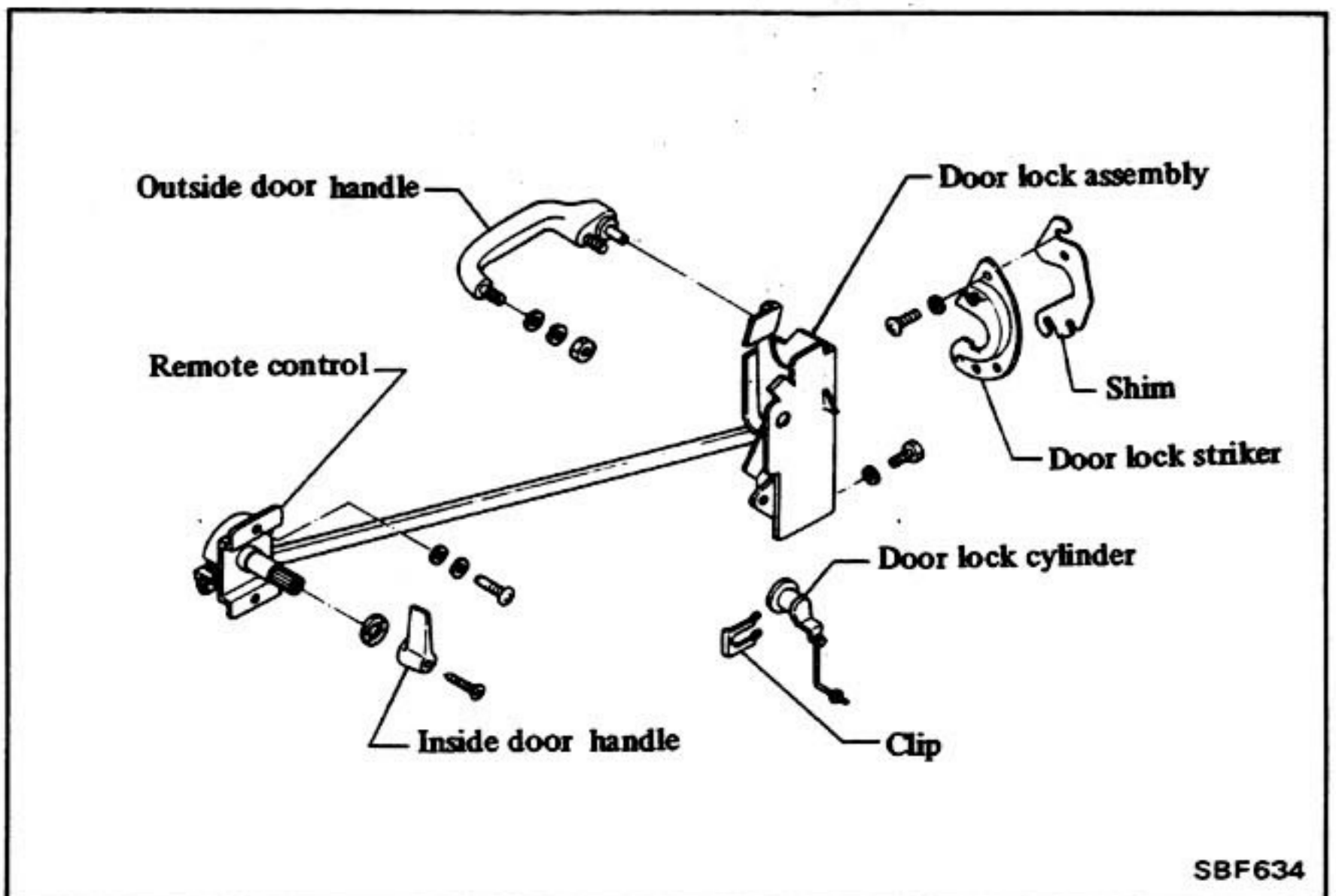


2. Remove window regulator through large access hole in door panel.



3. Installation is in reverse order of removal.

Door lock

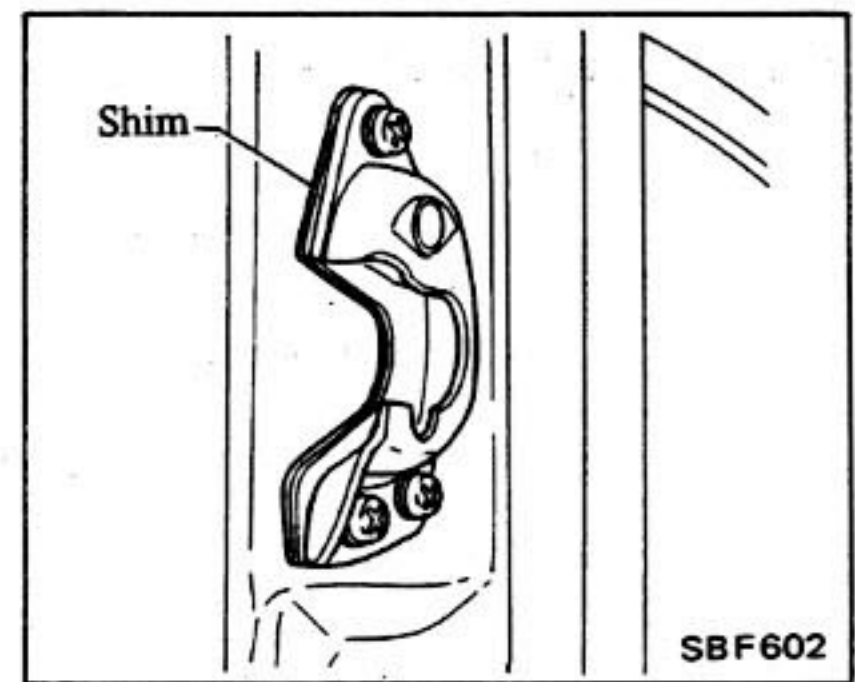


1. Remove inside door handle and door lock assembly.
2. Remove outside door handle.
3. Remove door lock cylinder.
4. Installation is in reverse order of removal.

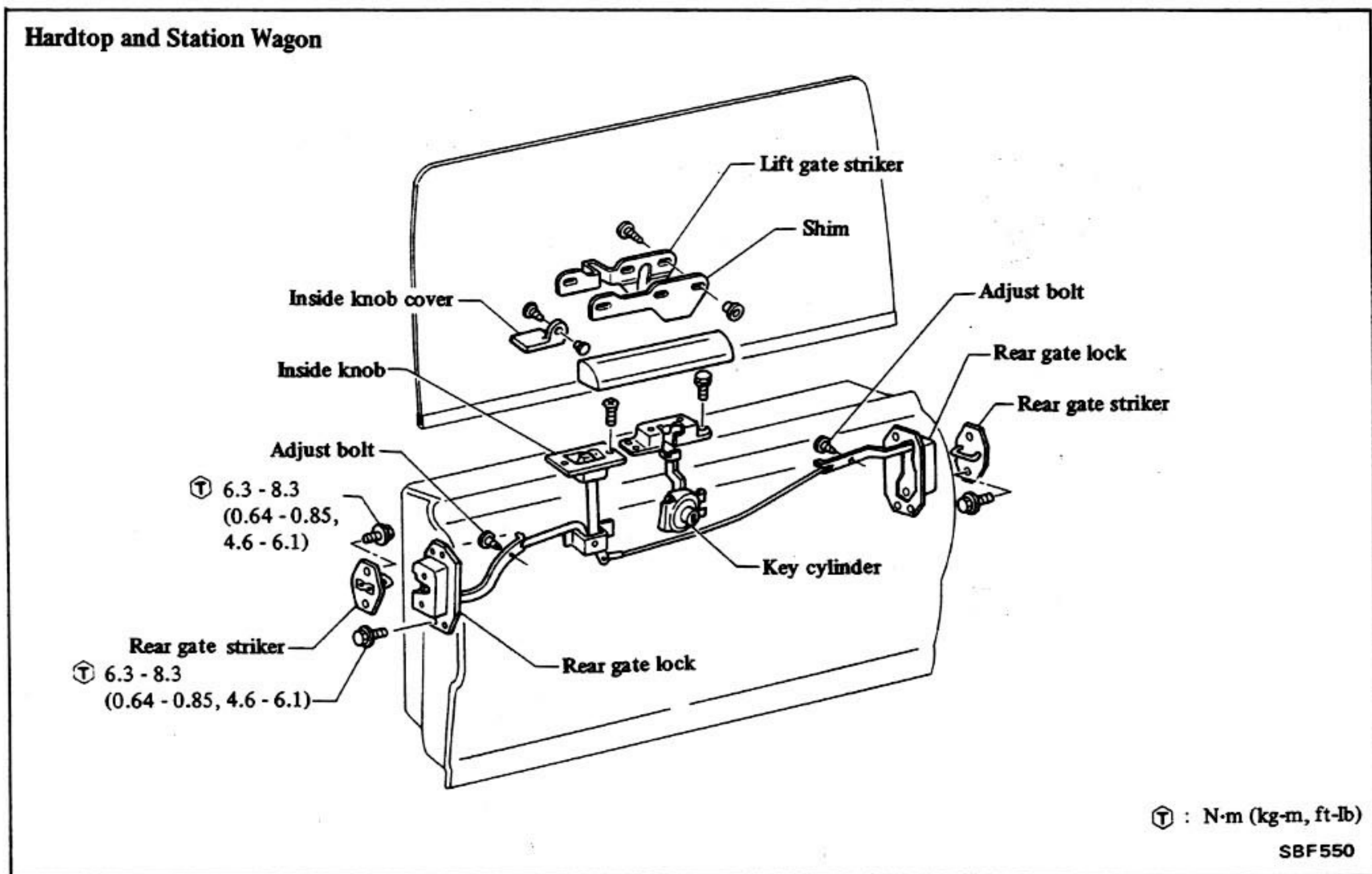
ADJUSTMENT

Front door assembly

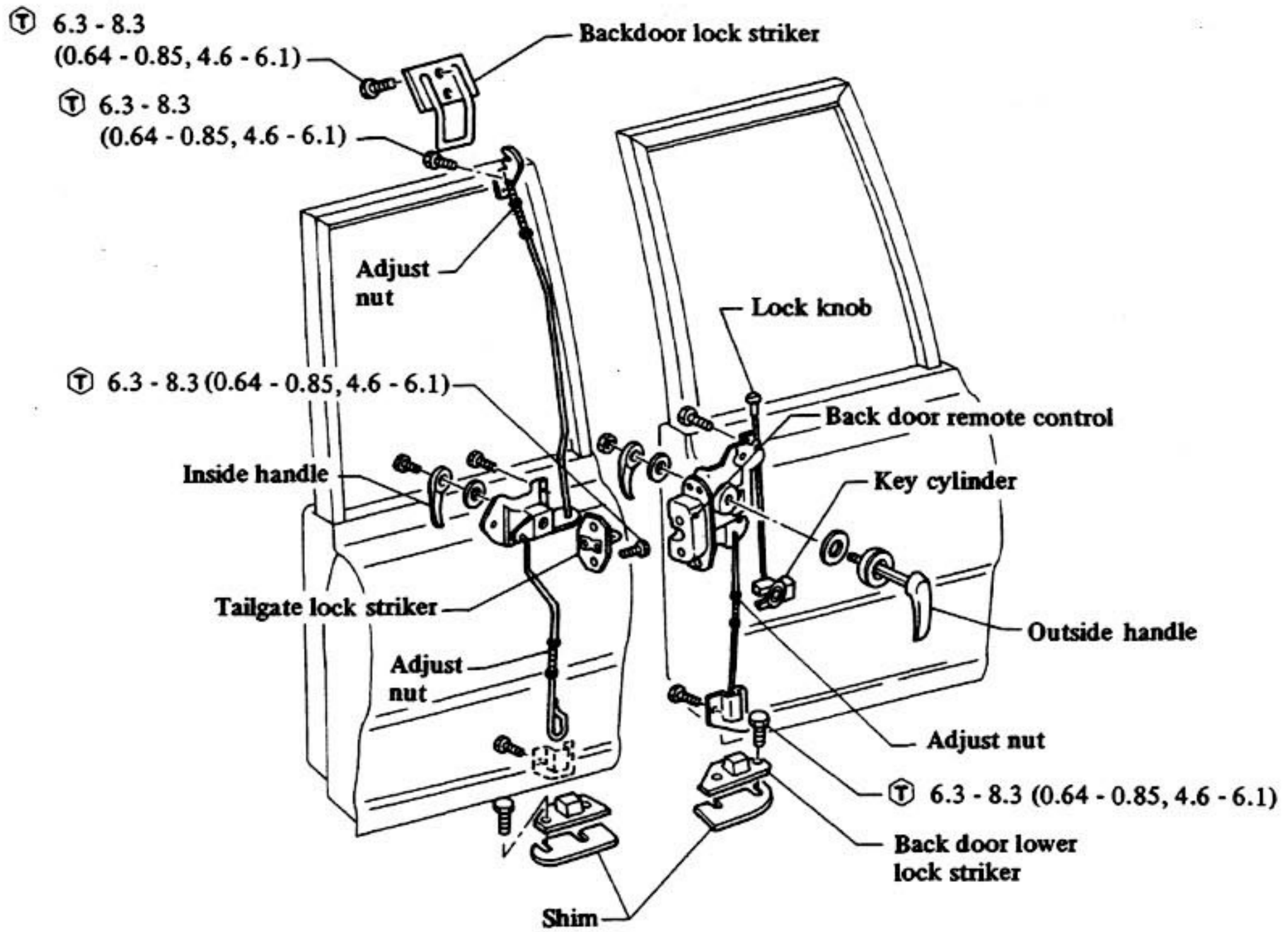
Adjust door lock striker by adding or removing shims.



BODY REAR END (Except Canvas Top)



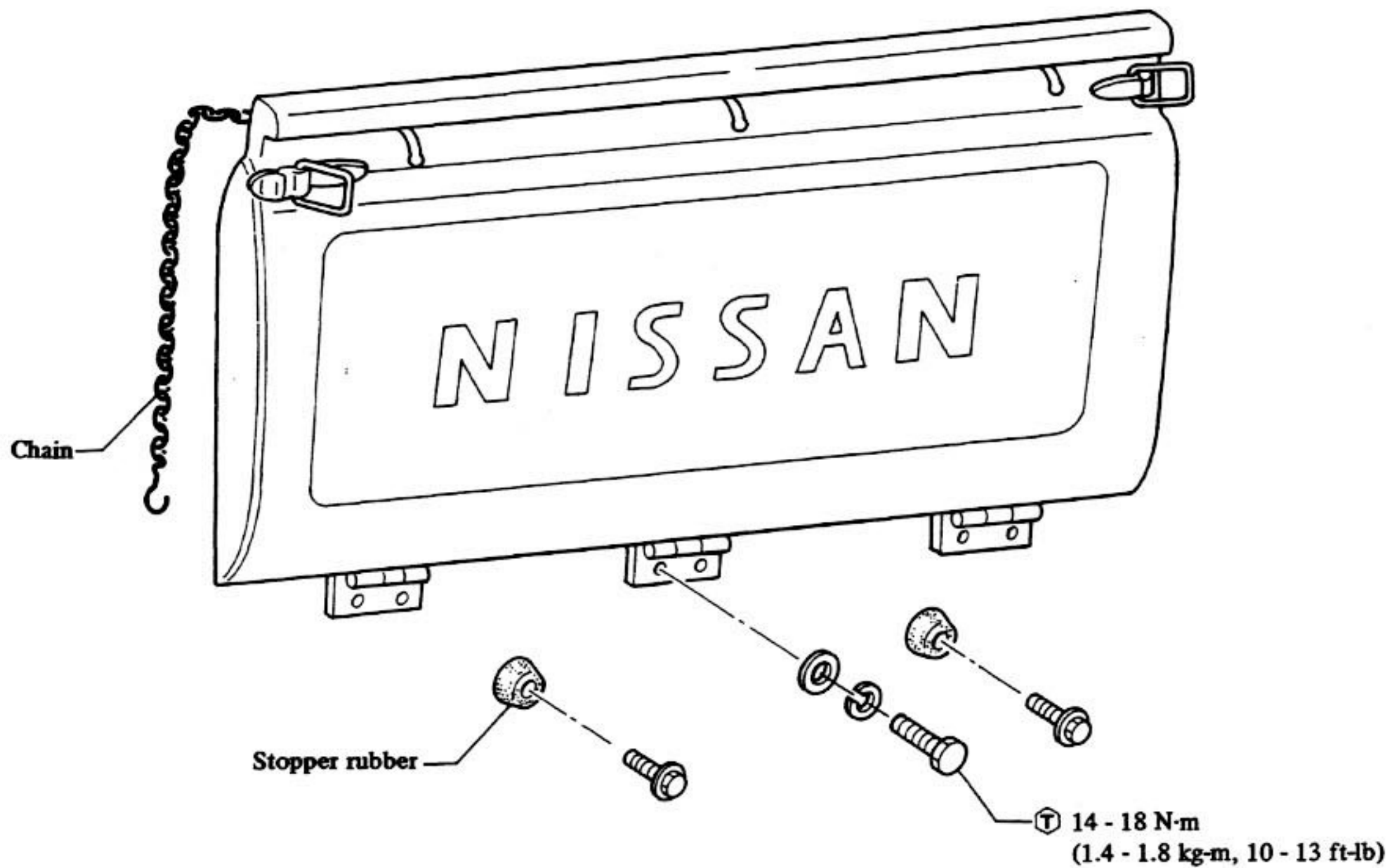
High-roof Hardtop and Van



Ⓣ : N·m (kg·m, ft·lb)

SBF551

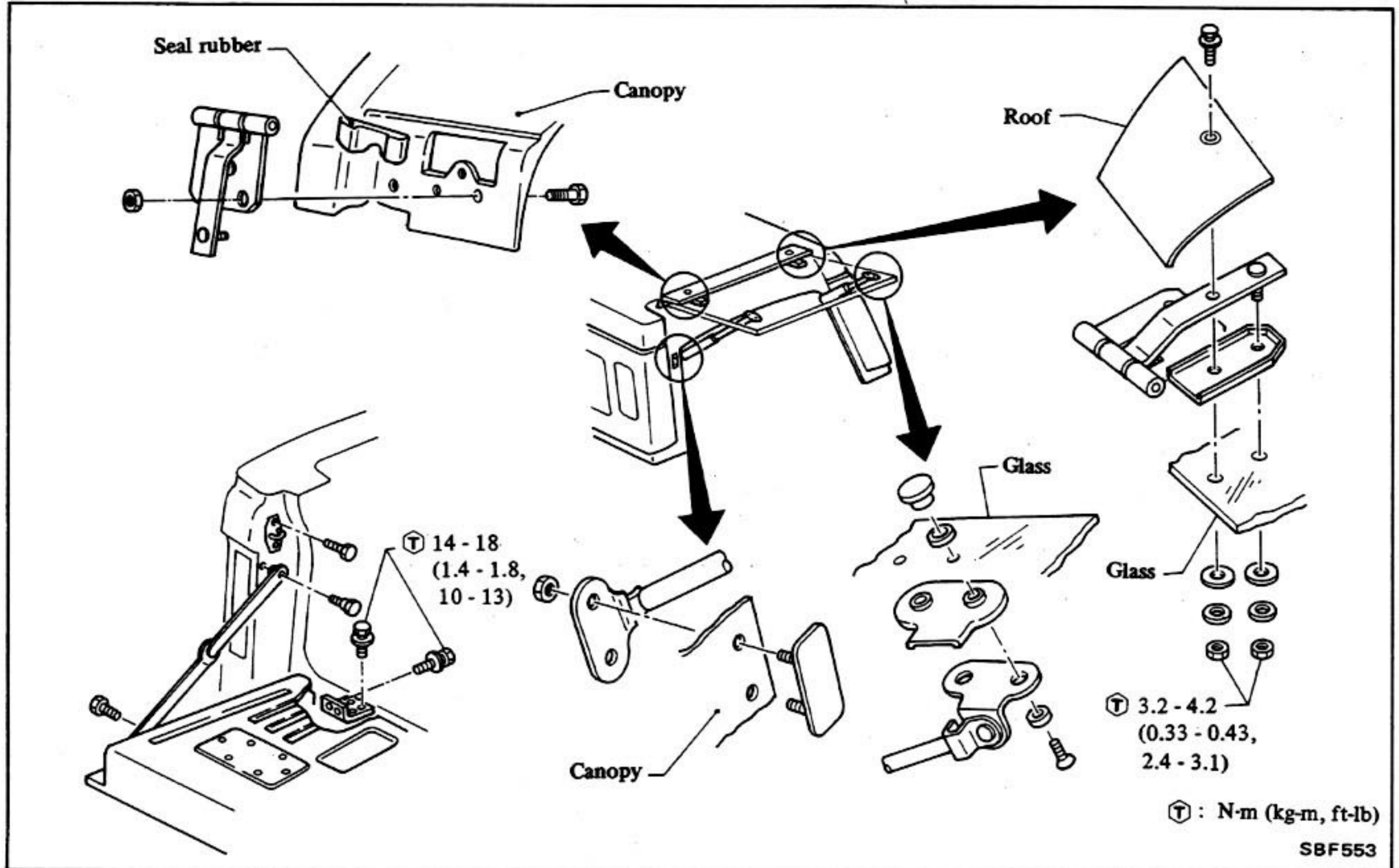
Pick-up



SBF552

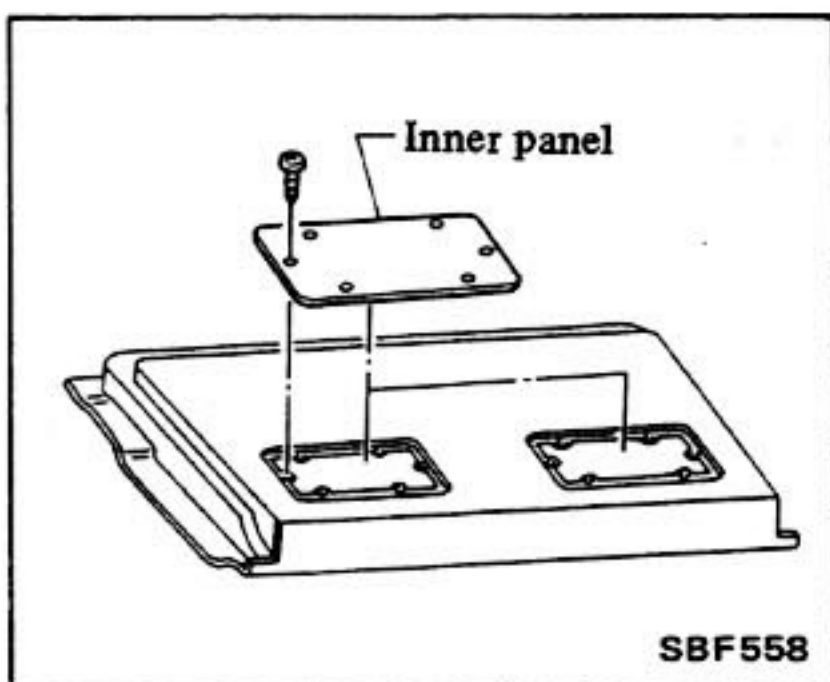
REAR GATE (Hardtop and Station Wagon)

REMOVAL AND INSTALLATION

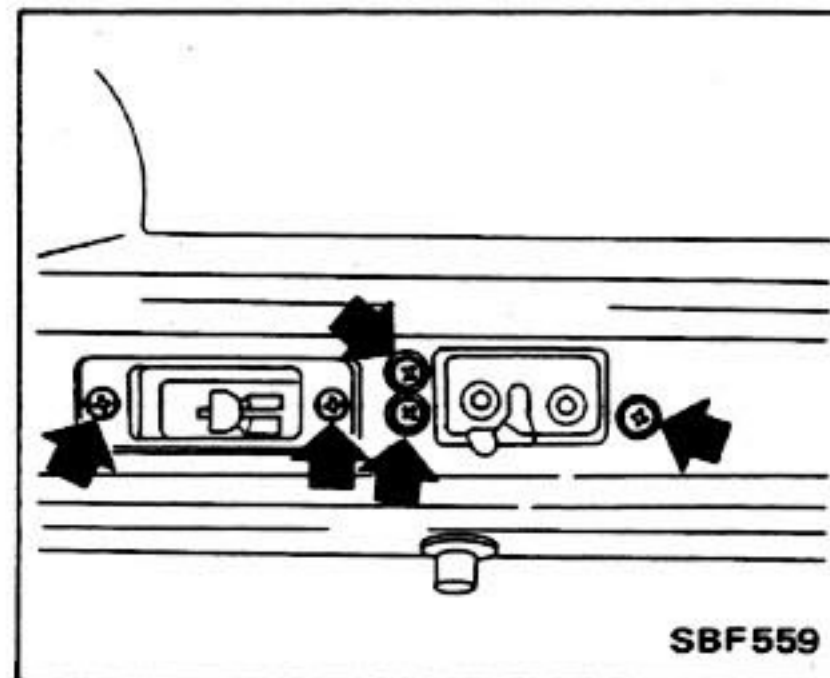


DISASSEMBLY AND ASSEMBLY

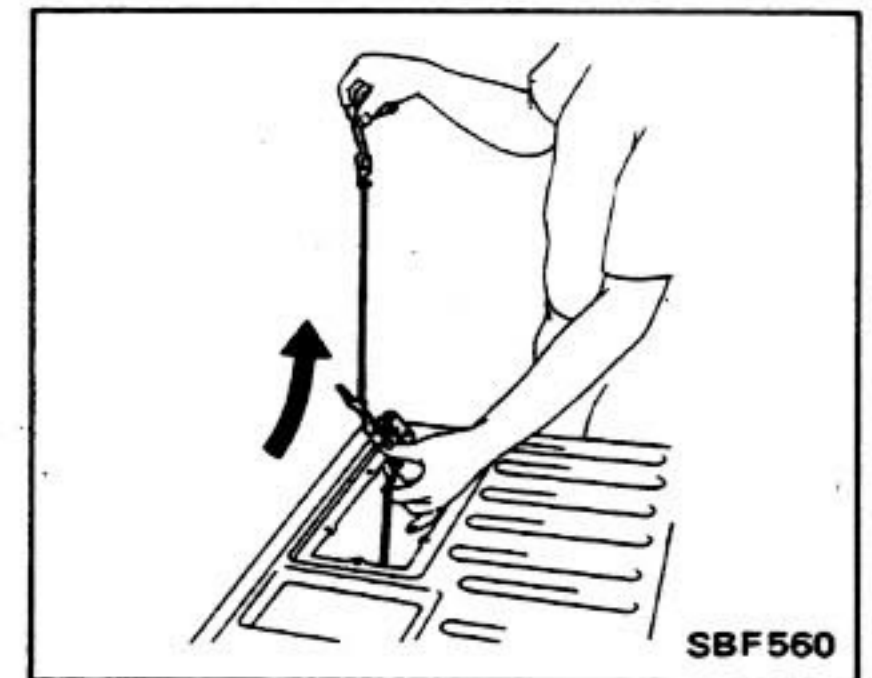
1. Remove inner panel.



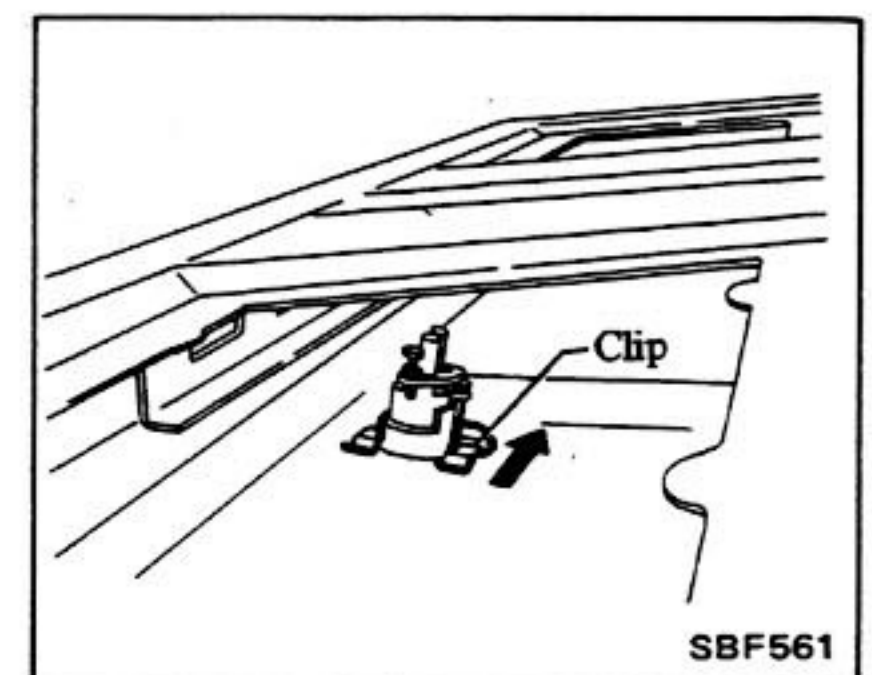
2. Remove lower gate control es-cutchen and upper gate lock.



3. Disconnect lower gate locks secur-ing bolts and remove lower gate lock control rod.



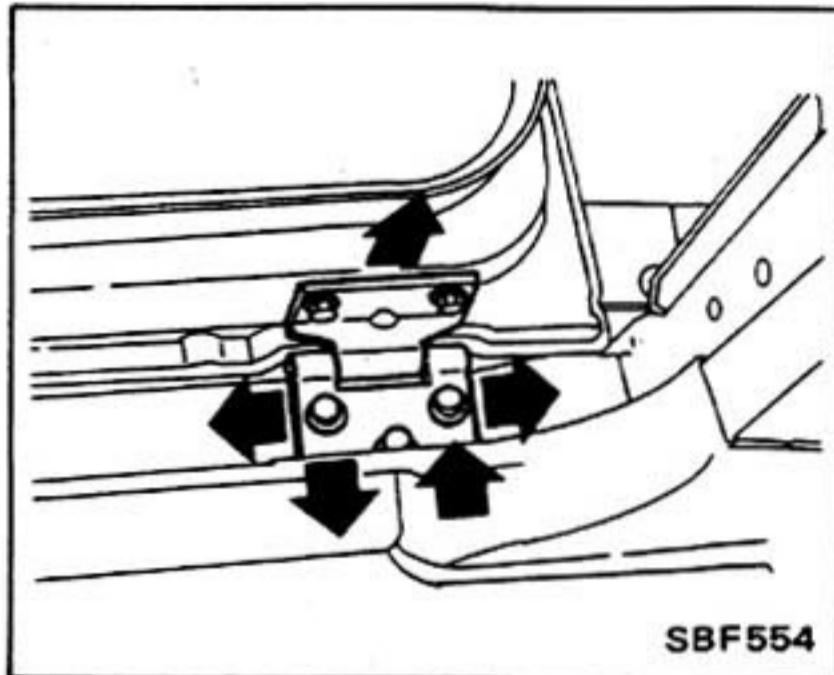
4. Remove key cylinder.



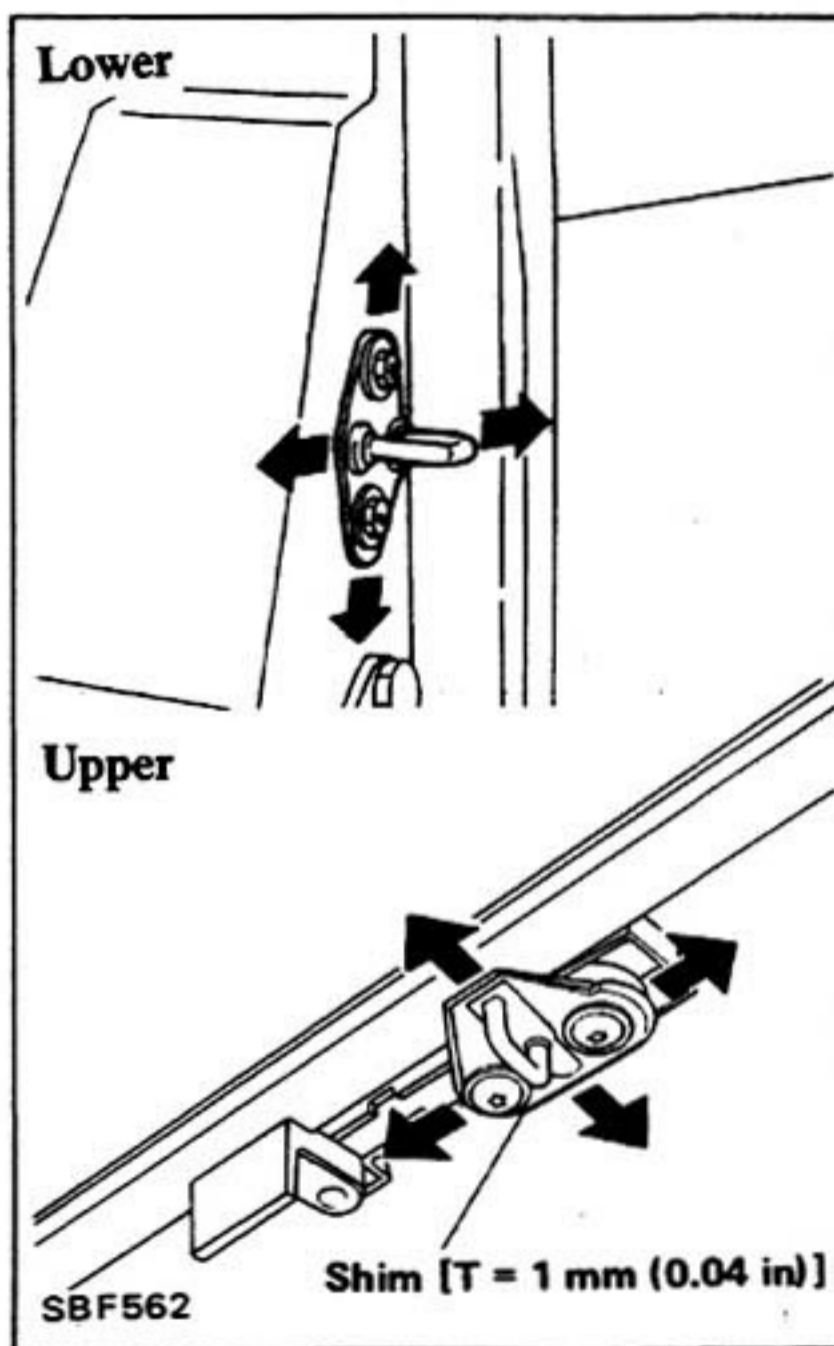
5. Assembly is in reverse order of disassembly.

ADJUSTMENT

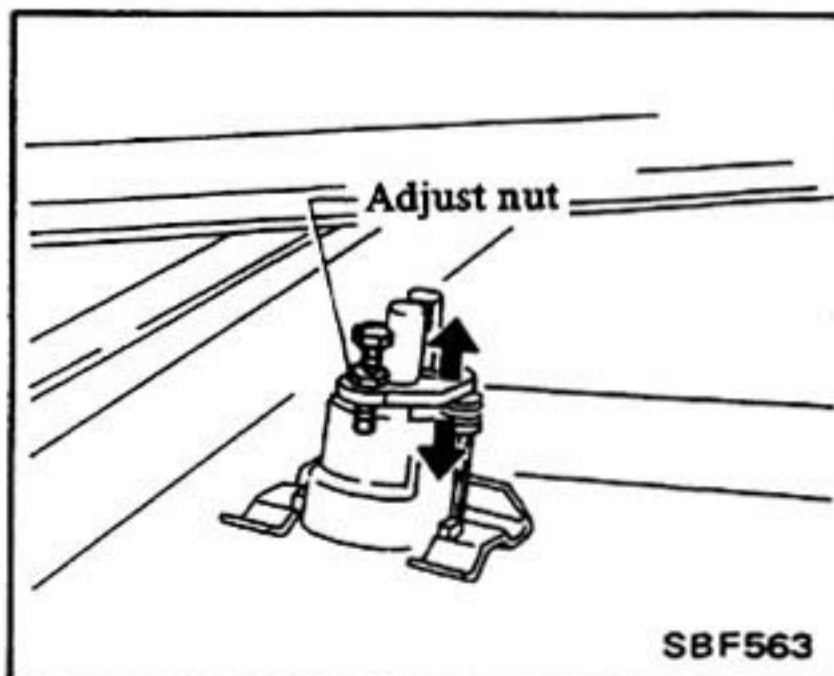
Lower gate adjustment



Striker adjustment

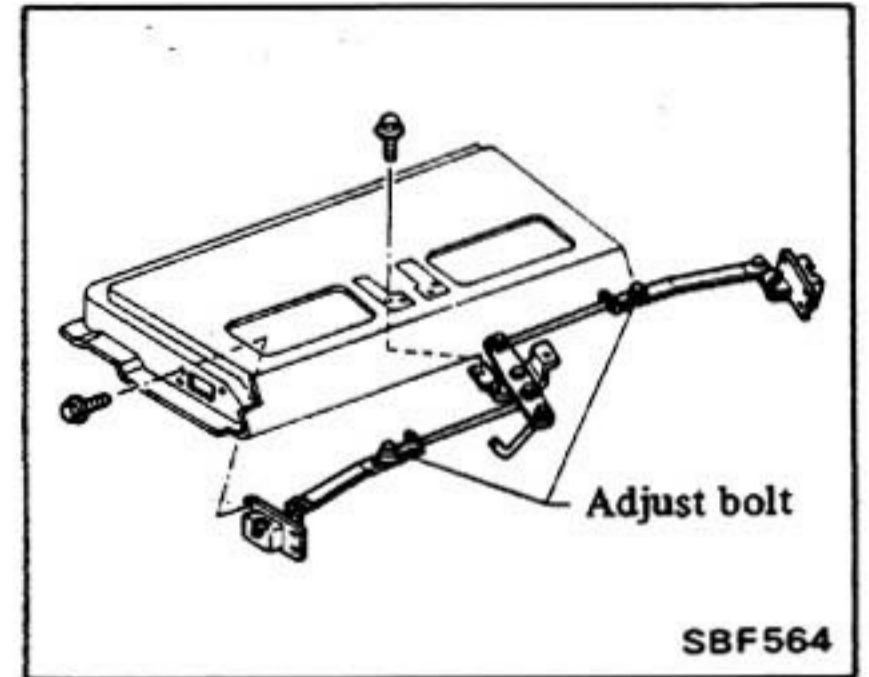


Lift gate lock adjustment



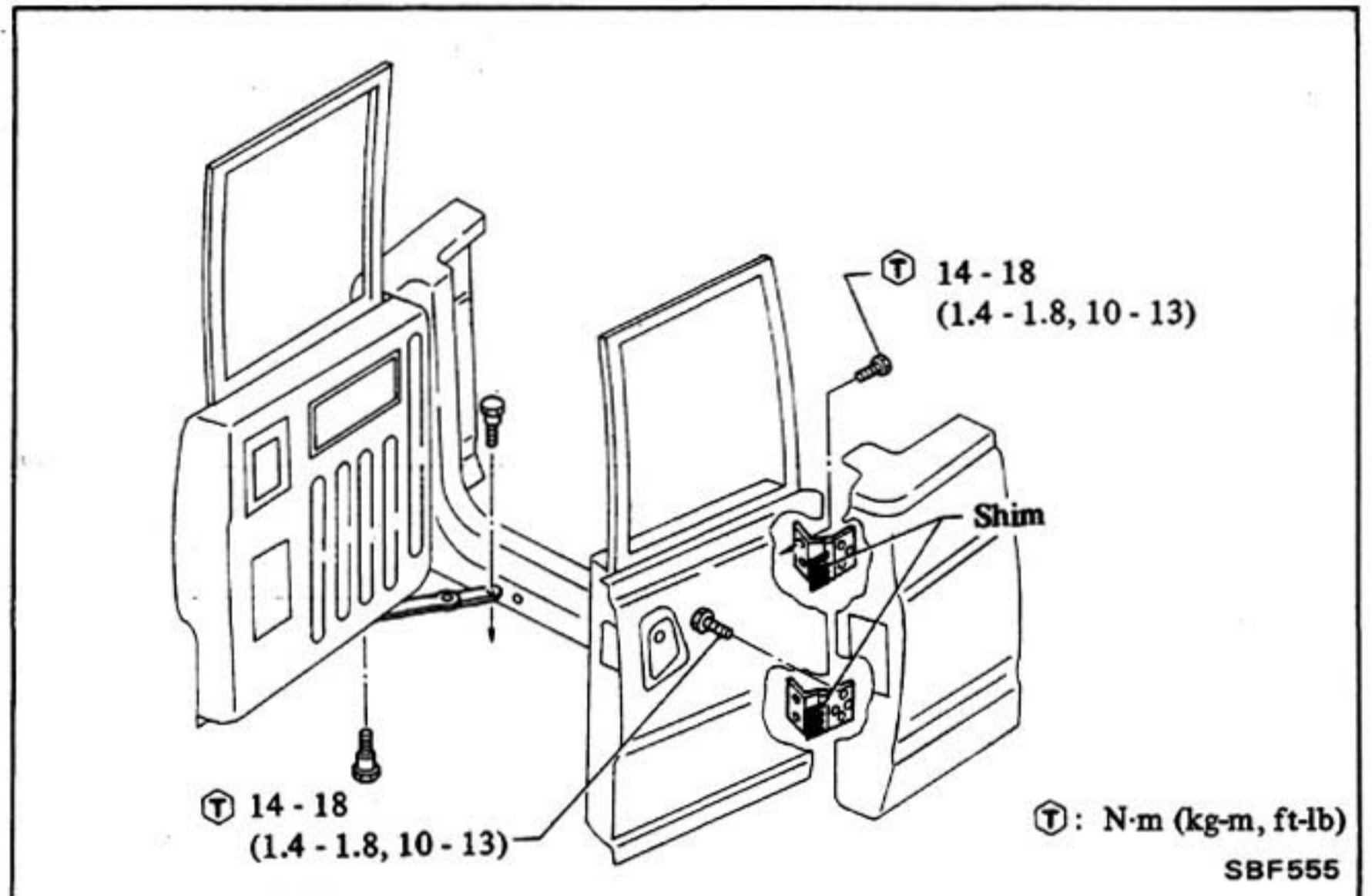
Position adjusting nut height so that lift gate lock cylinder unlocks properly.

Tailgate lock adjustment



Adjust rod length with adjusting nut so that tailgate unlocks properly.

**REAR GATE (High-roof Hardtop and Van)
REMOVAL AND INSTALLATION**

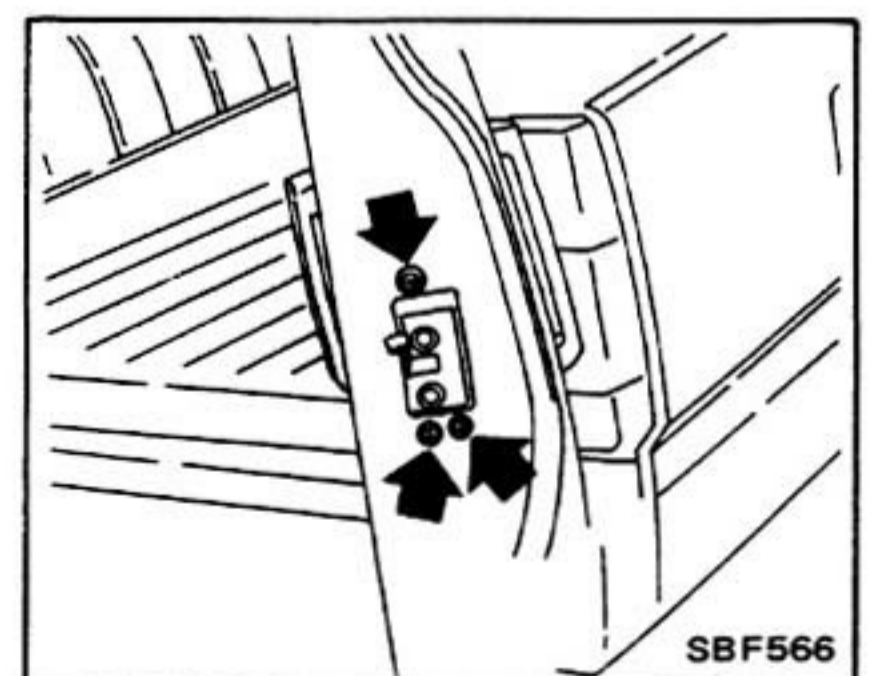
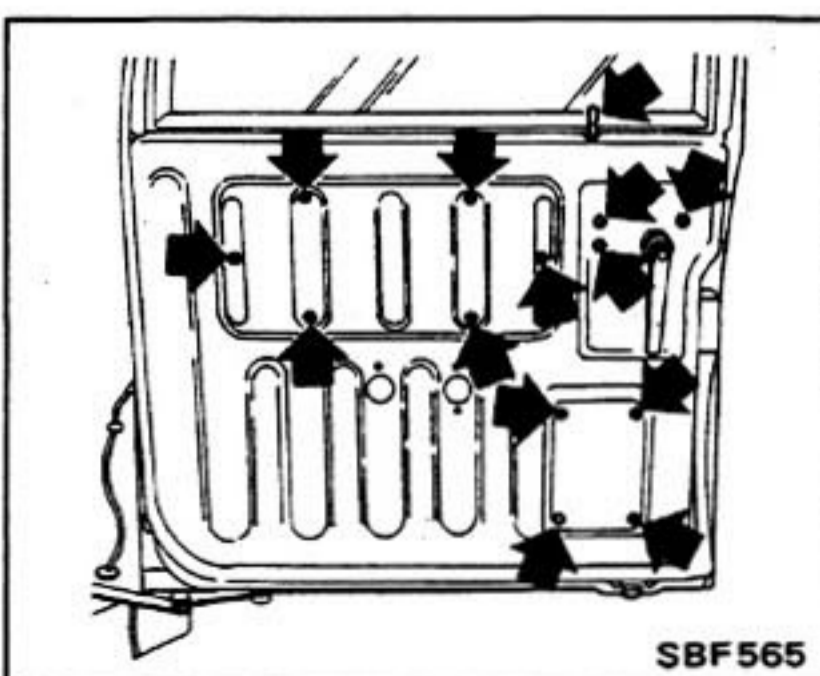


DISASSEMBLY AND ASSEMBLY

1. Remove inner panel and lock knob.

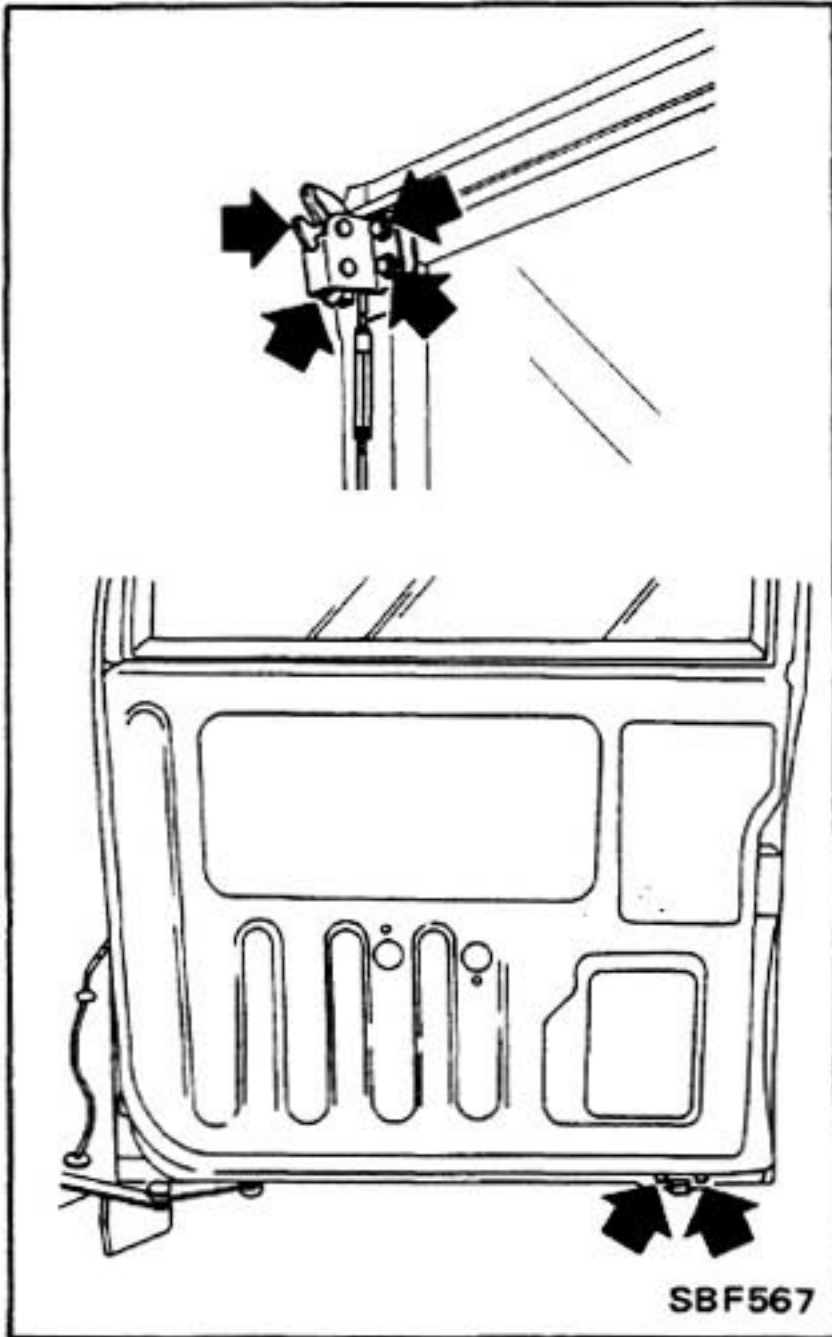
2. Remove inside and outside handle.

3. Disengage rod holder at back door remote control and remove back door remote control.



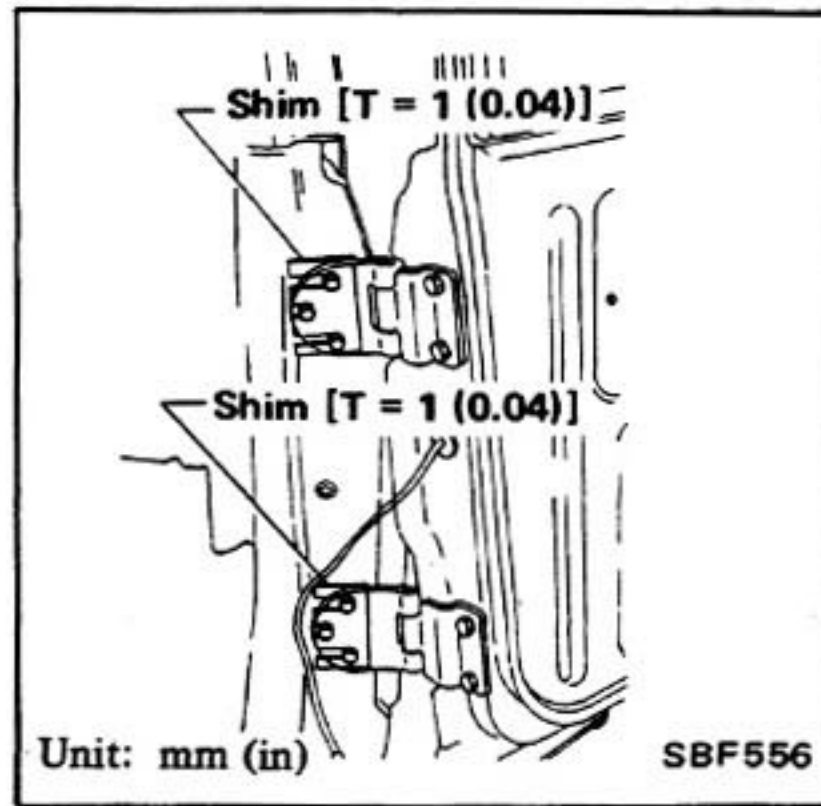
4. Remove back door lower and upper lock.

5. Remove key cylinder.
6. Disassembly is in reverse order of assembly.



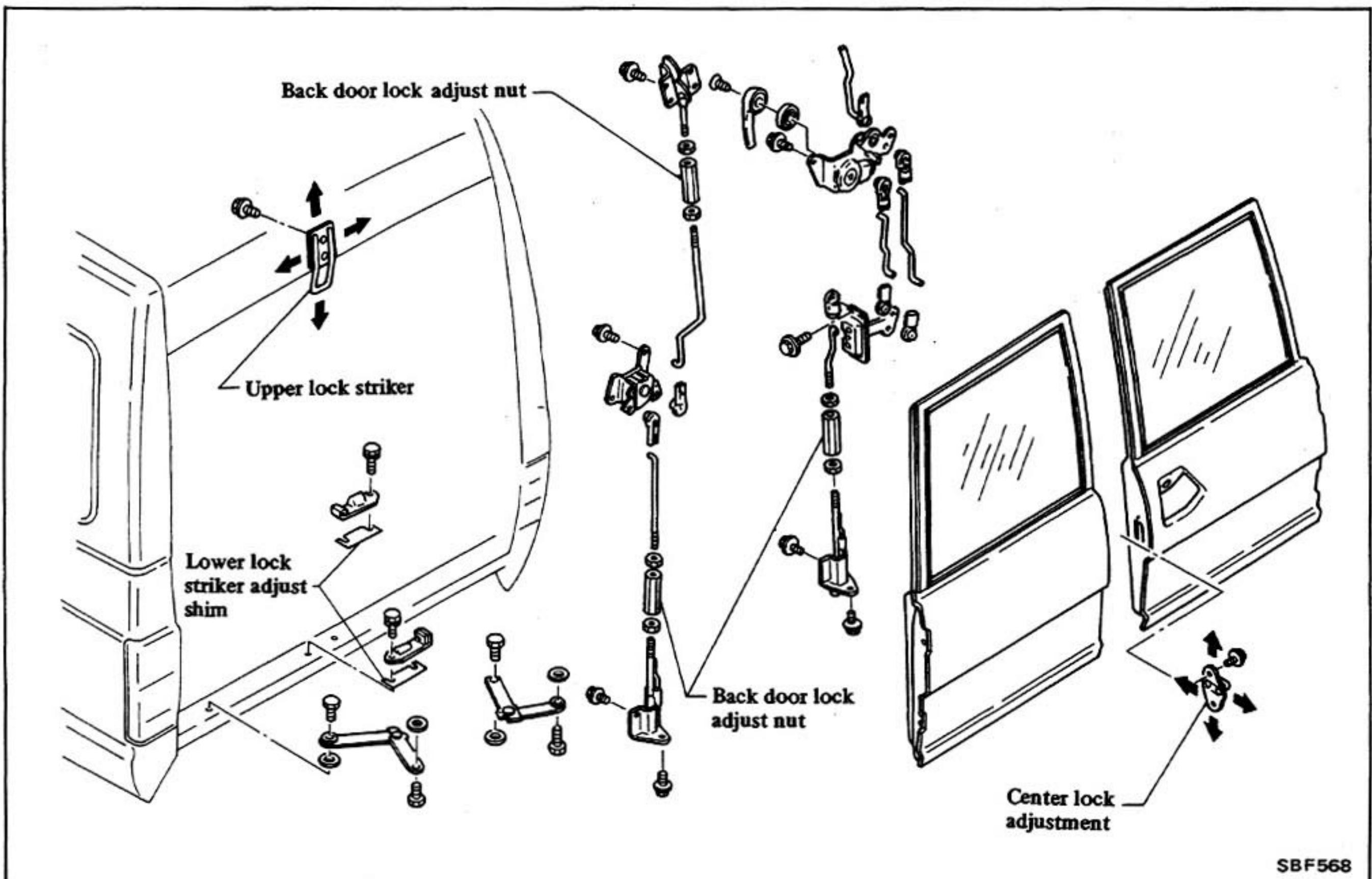
ADJUSTMENT

Gate adjustment



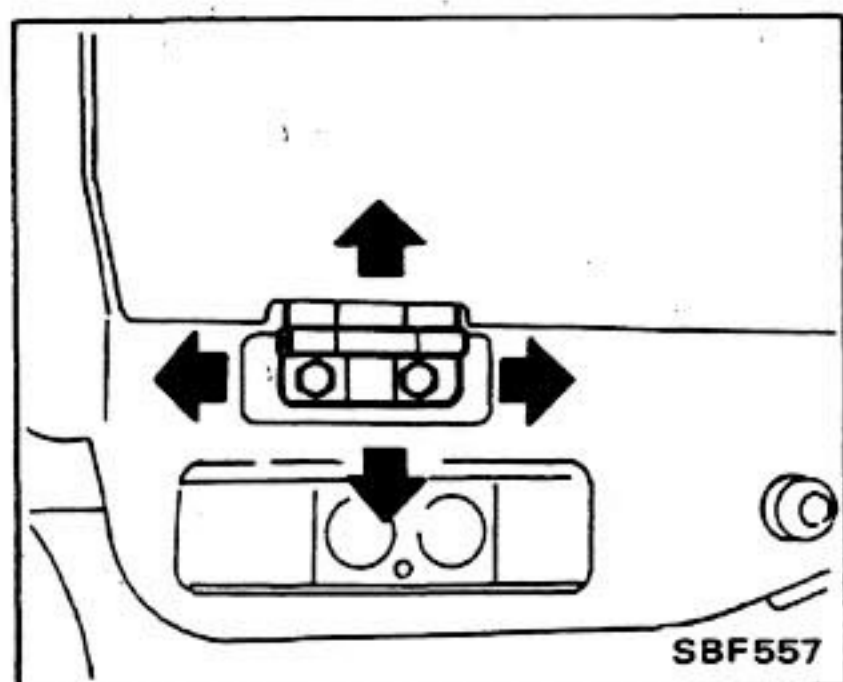
Adjust rear gate by adding or removing shims.

Striker and lock adjustment



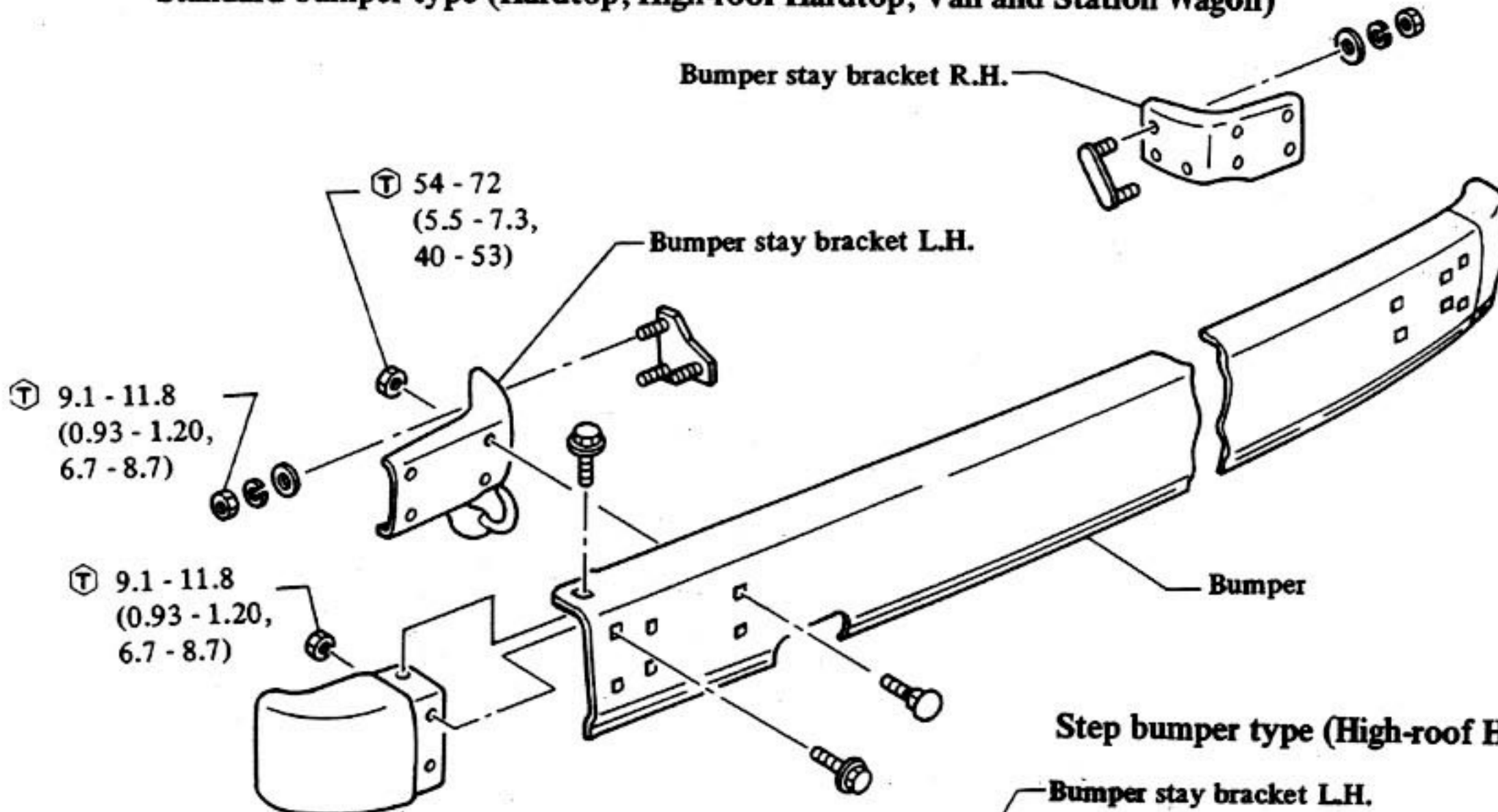
REAR GATE (Pick-up)

ADJUSTMENT

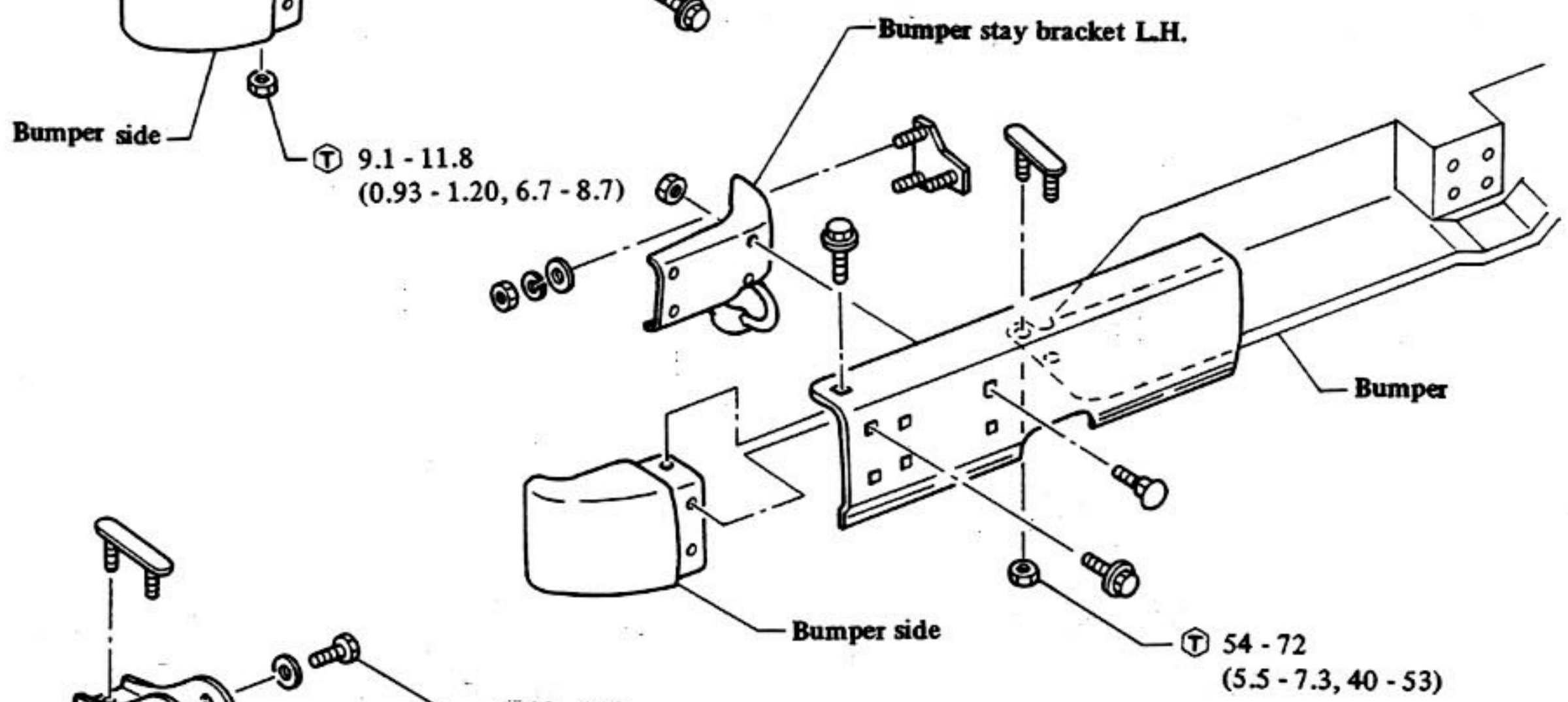


REAR BUMPER

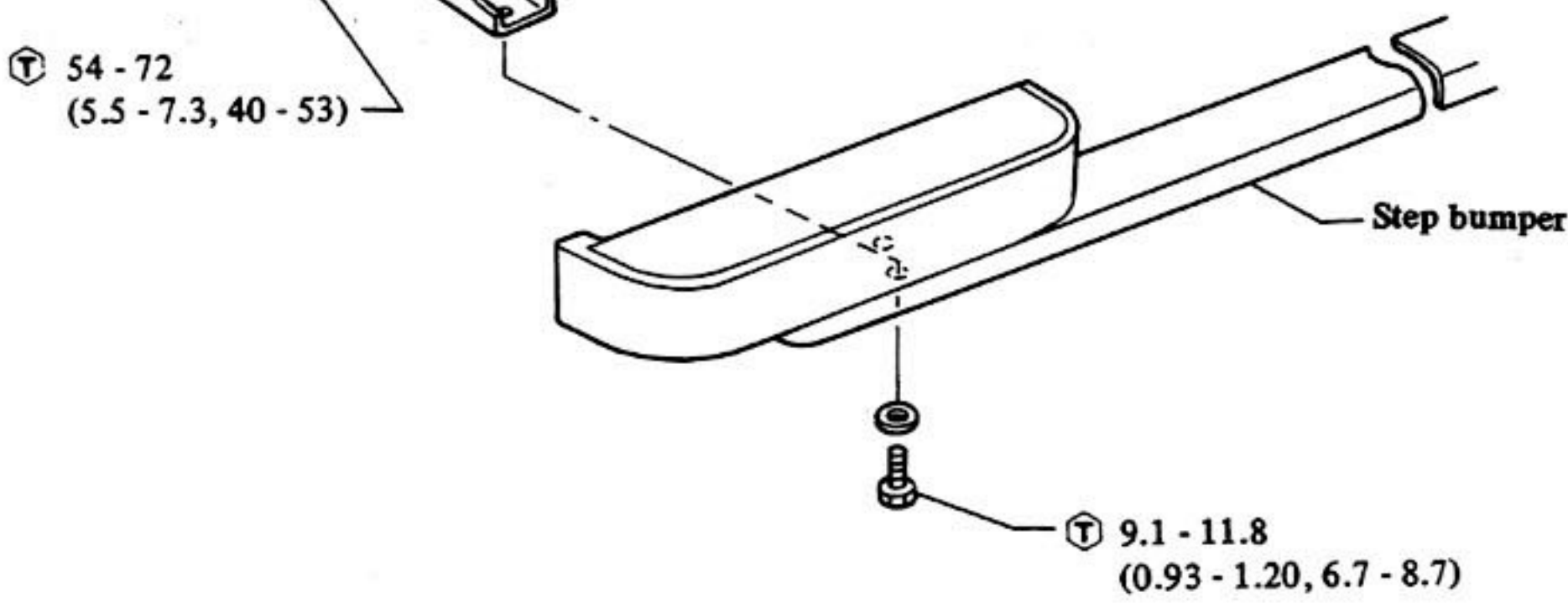
Standard bumper type (Hardtop, High-roof Hardtop, Van and Station Wagon)



Step bumper type (High-roof Hardtop and Van)



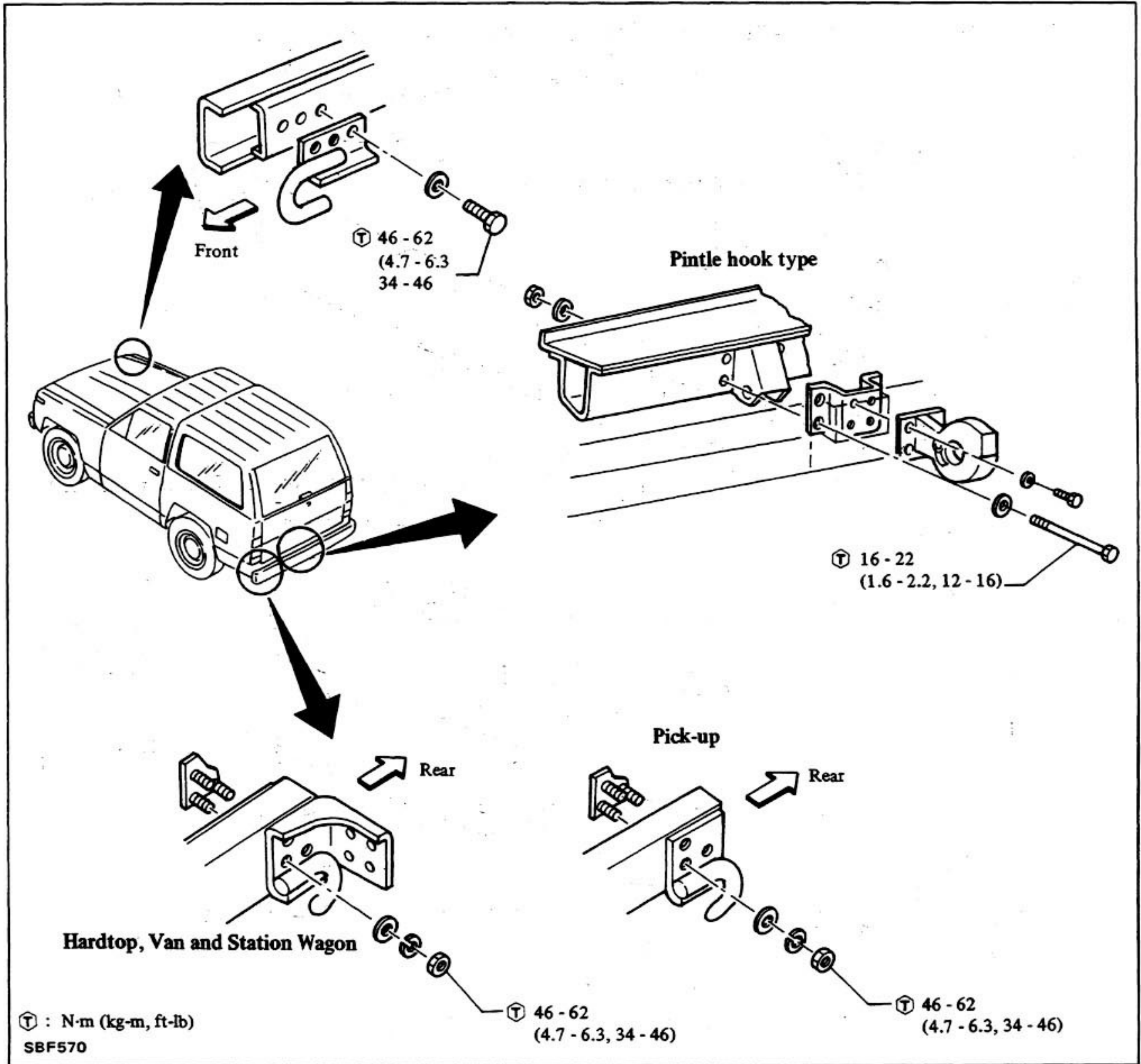
Step bumper type (Pick-up)



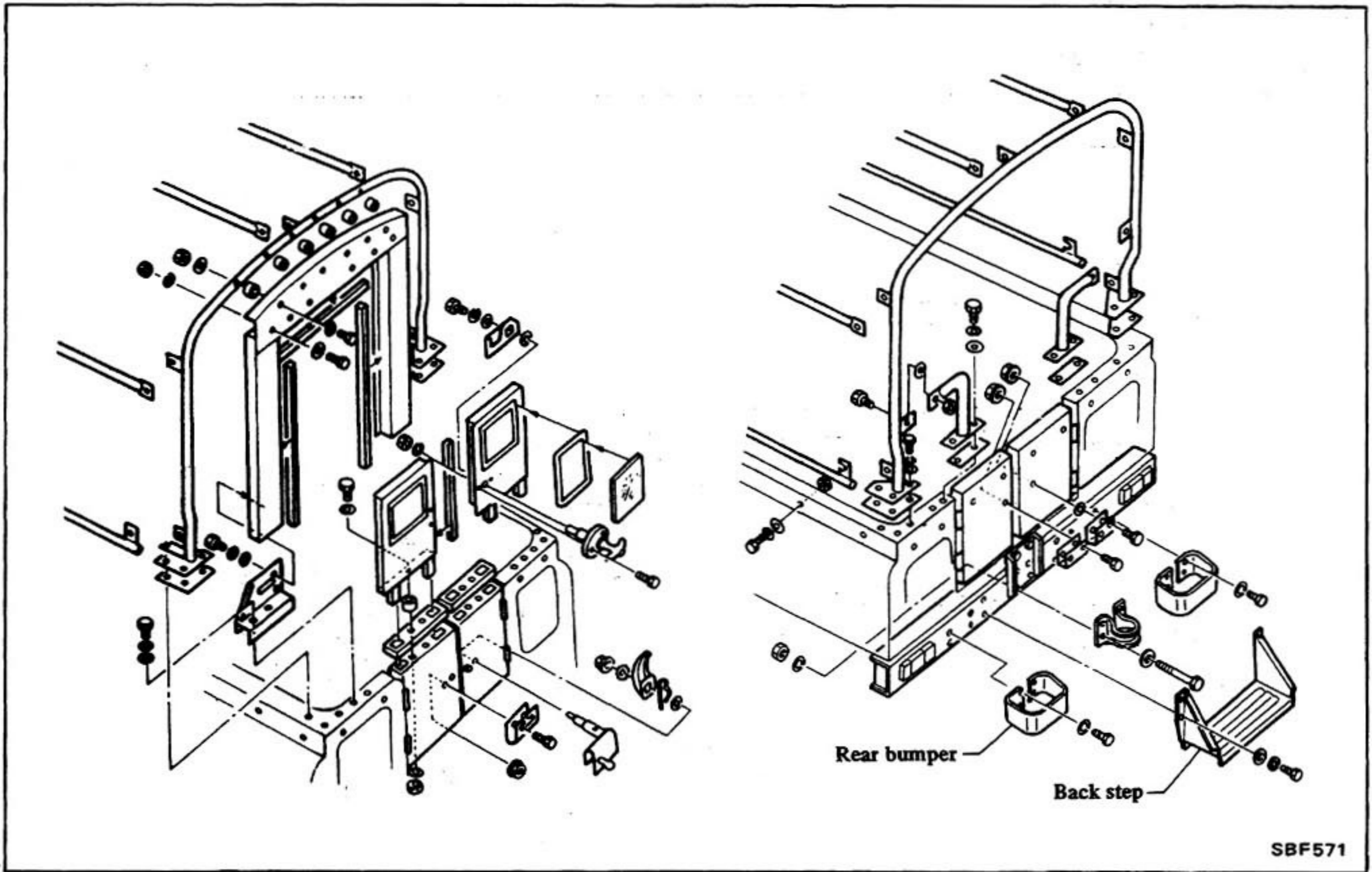
Ⓣ : N·m (kg·m, ft·lb)

SBF569

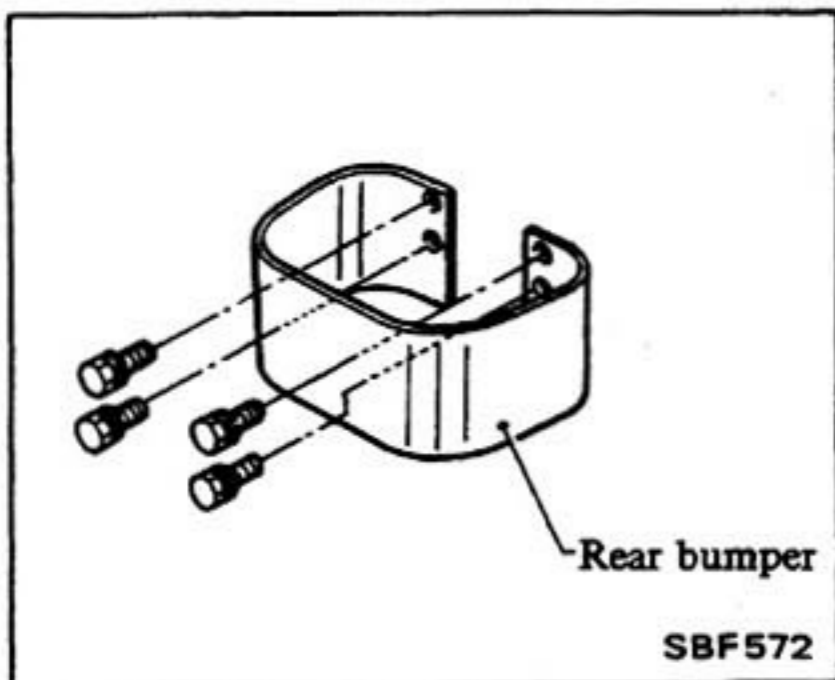
TOWING HOOK



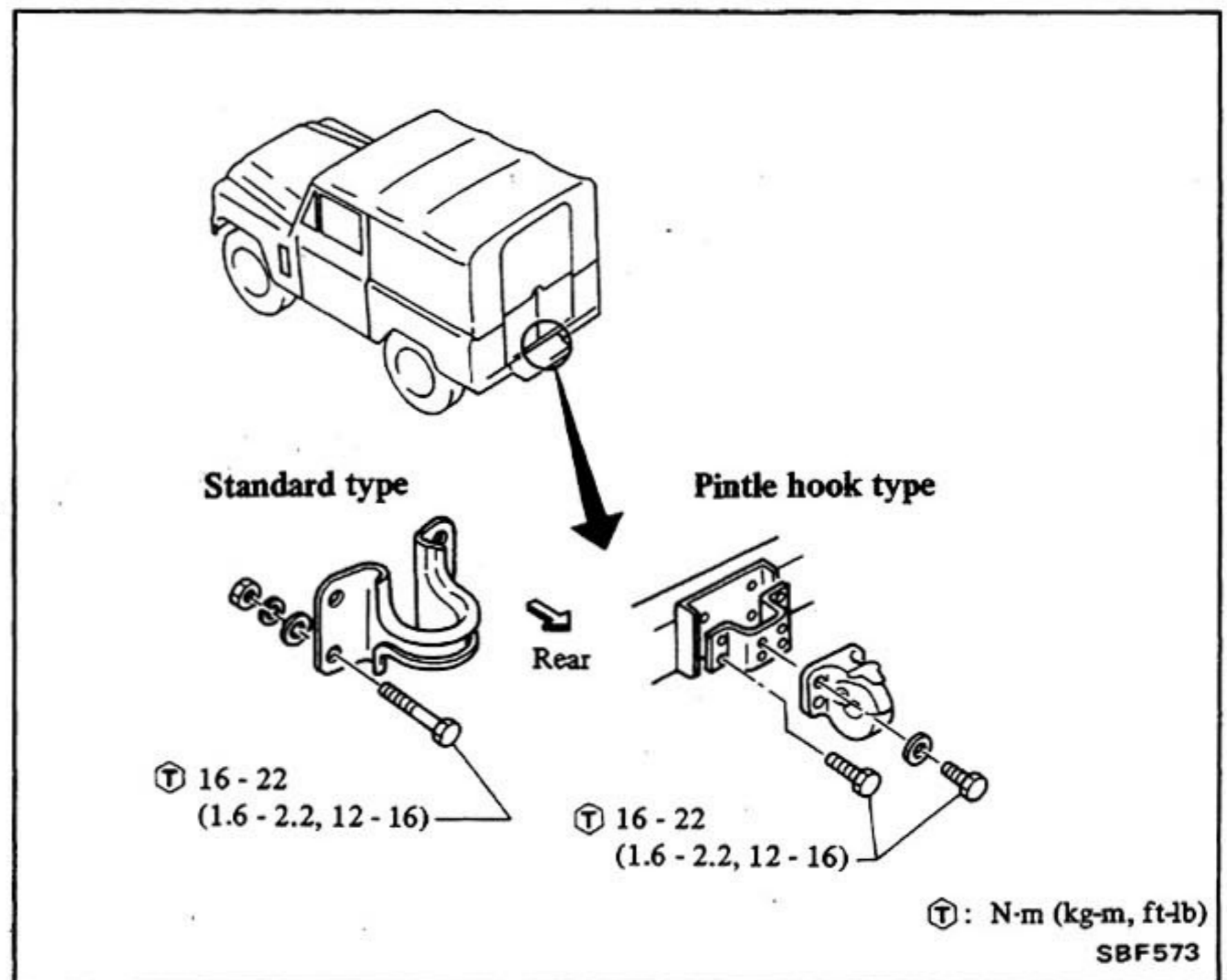
BODY REAR END (Canvas Top)



REAR BUMPER



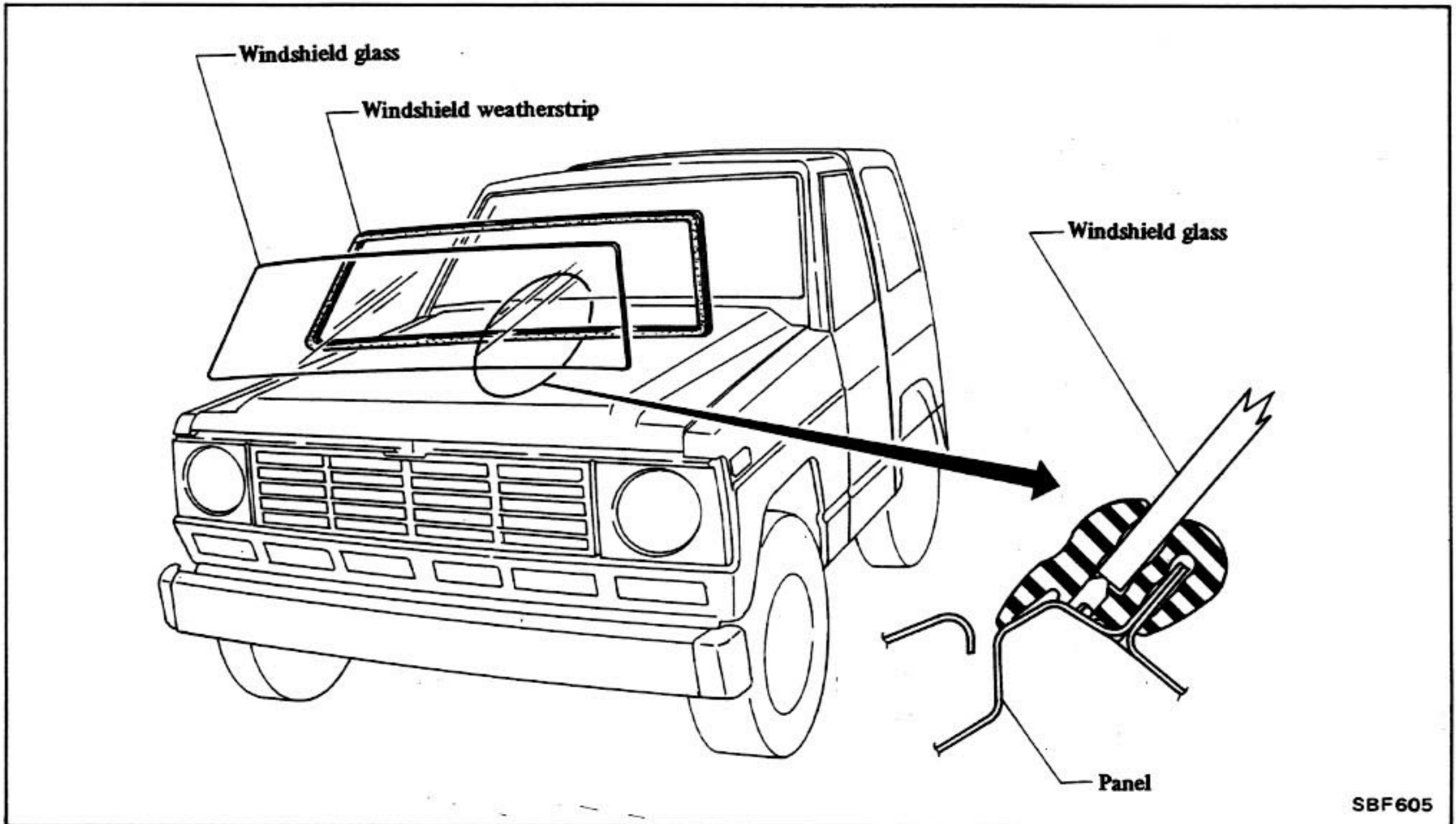
TOWING HOOK



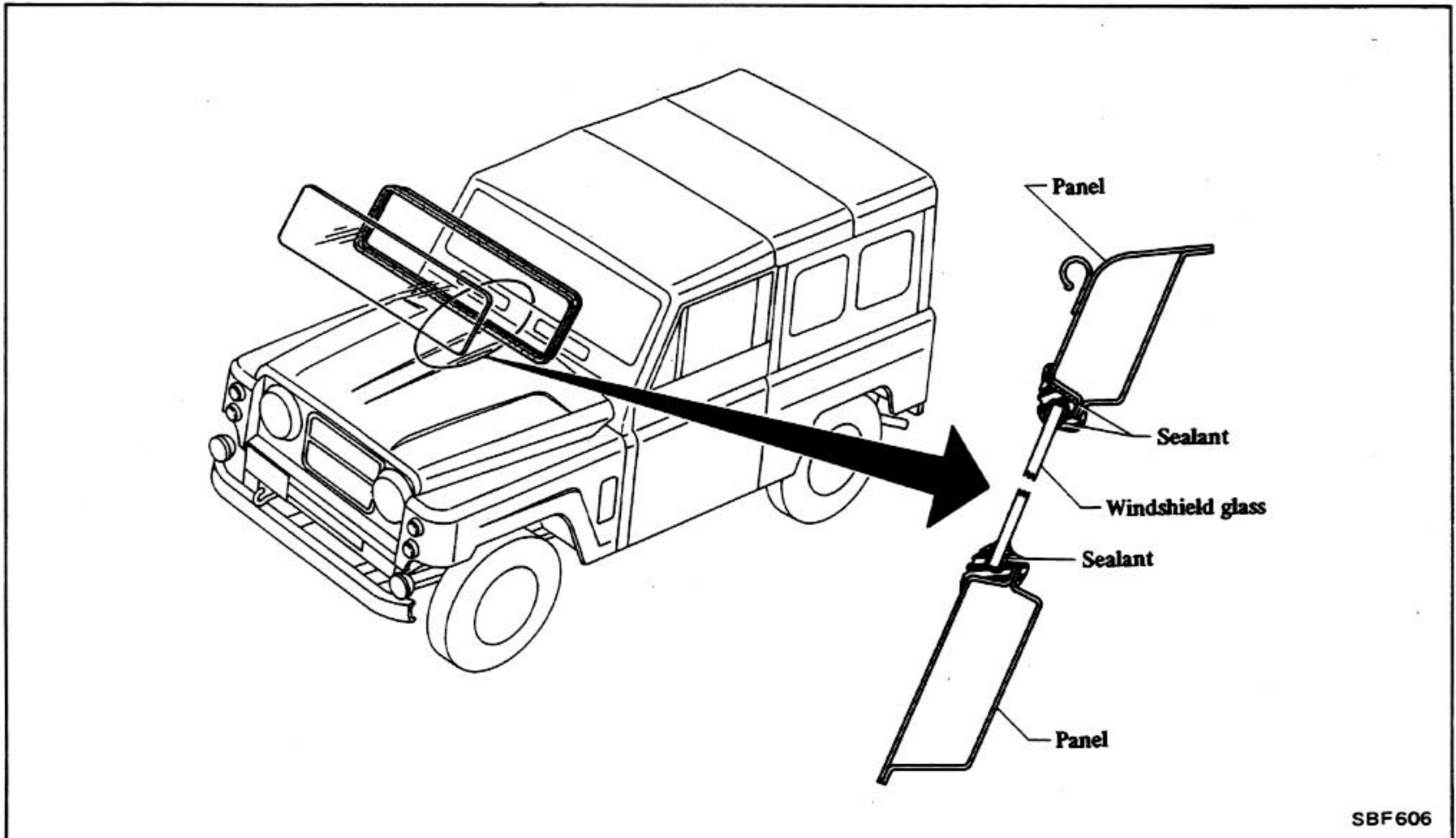
WINDSHIELD AND WINDOWS

WINDSHIELD

EXCEPT CANVAS TOP



CANVAS TOP



REMOVAL

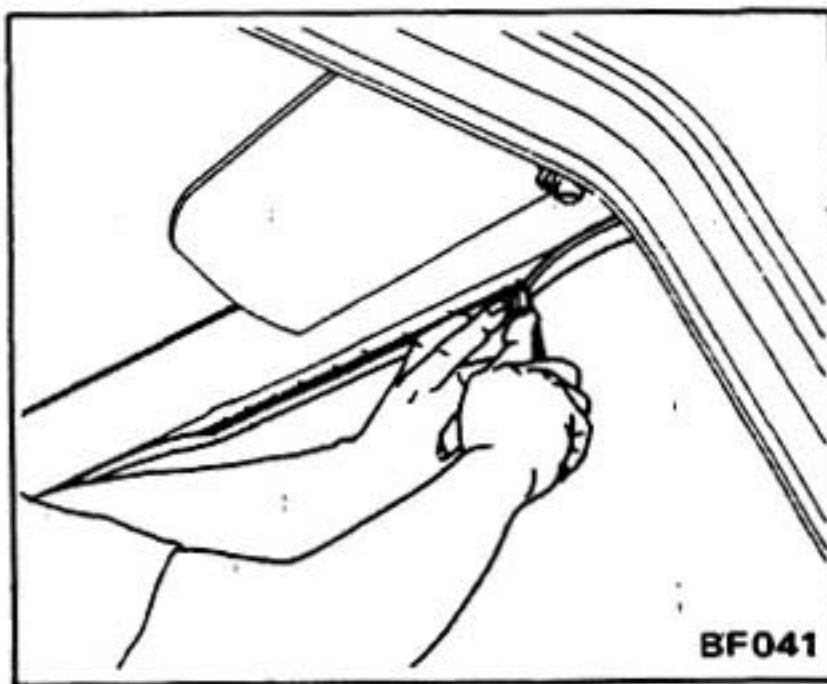
1. Protect hood, front fenders, instrument panel and front seats with covers.
2. Remove windshield wiper arms.

CAUTION:

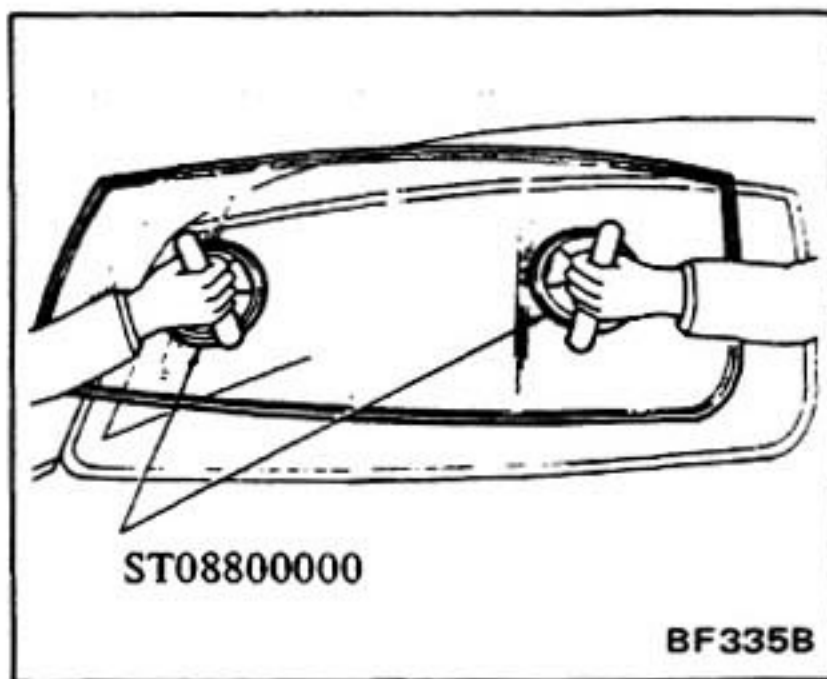
Be careful not to deform the molding.

3. Attach Tool ST08800000 on windshield glass.
4. Depressing weatherstrip toward outside, lightly tap and remove windshield glass to the outside.

Windshield glass should be removed from the upper side.



5. After windshield weatherstrip is free from body flange, with aid of a helper, remove windshield glass.

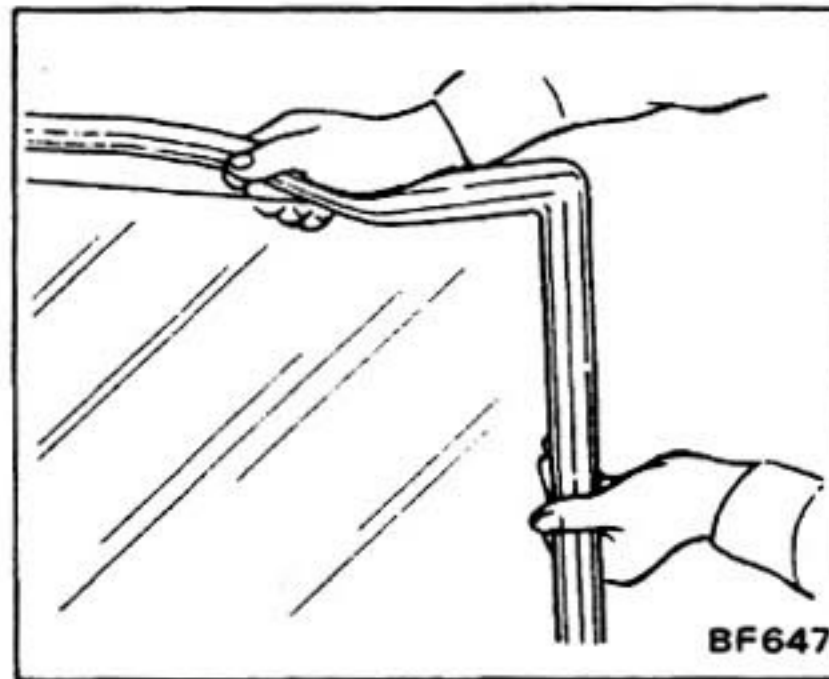


INSTALLATION

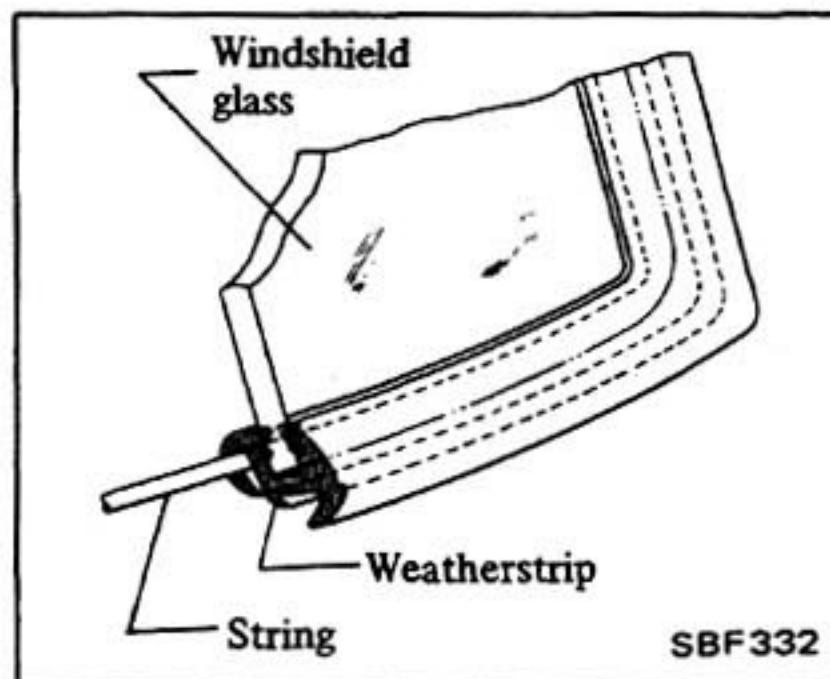
CAUTION:

Care should be exercised to make certain glass does not strike body metal during installation. Edge chips can lead to future breaks.

1. Attach weatherstrip to glass.



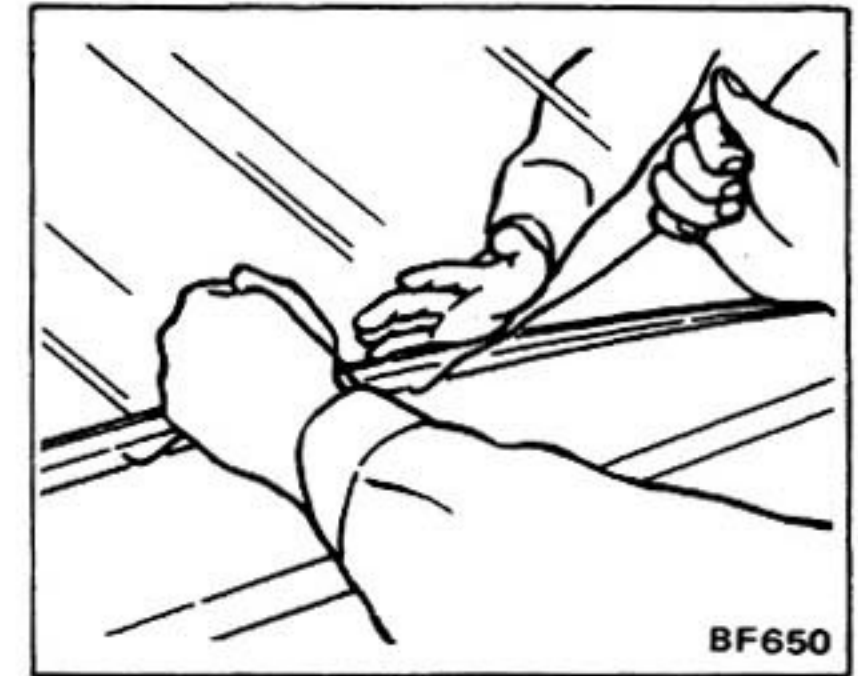
2. Insert a strong cord in the groove of weatherstrip where body flange fits.



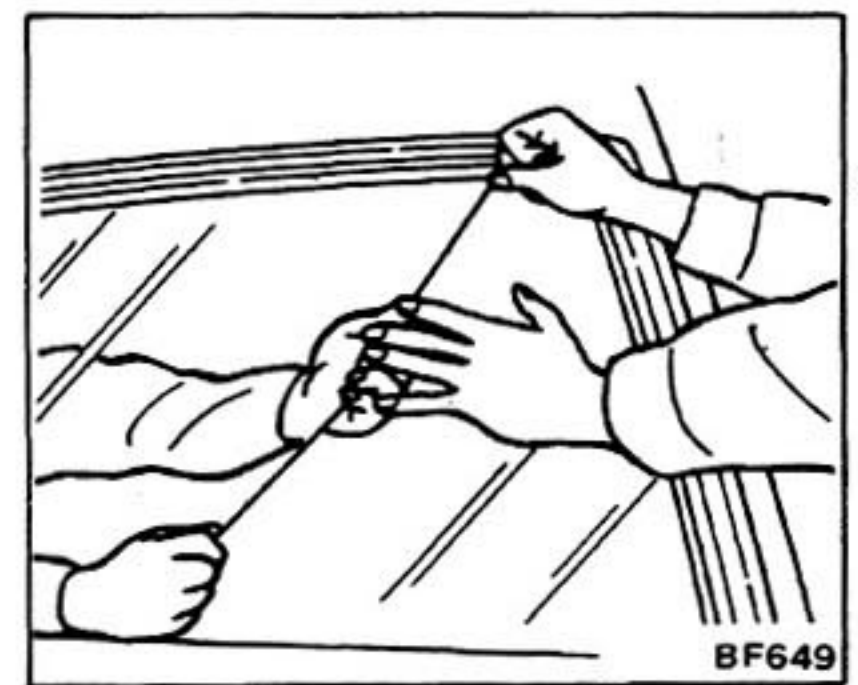
3. Tie ends of cord and tape to inside surface of glass at bottom center of glass.
4. Position and center windshield glass assembly in body opening.

Do not position glass by tapping or hammering at any time.

5. When glass and weatherstrip are properly positioned in body opening, slowly pull ends of cord, starting at lower center of windshield to seat lip of weatherstrip over body flange.



6. Cord should be pulled first across bottom of windshield, then up each side and finally across windshield top.



Exercise care not to wrinkle headlining (except Canvas Top).

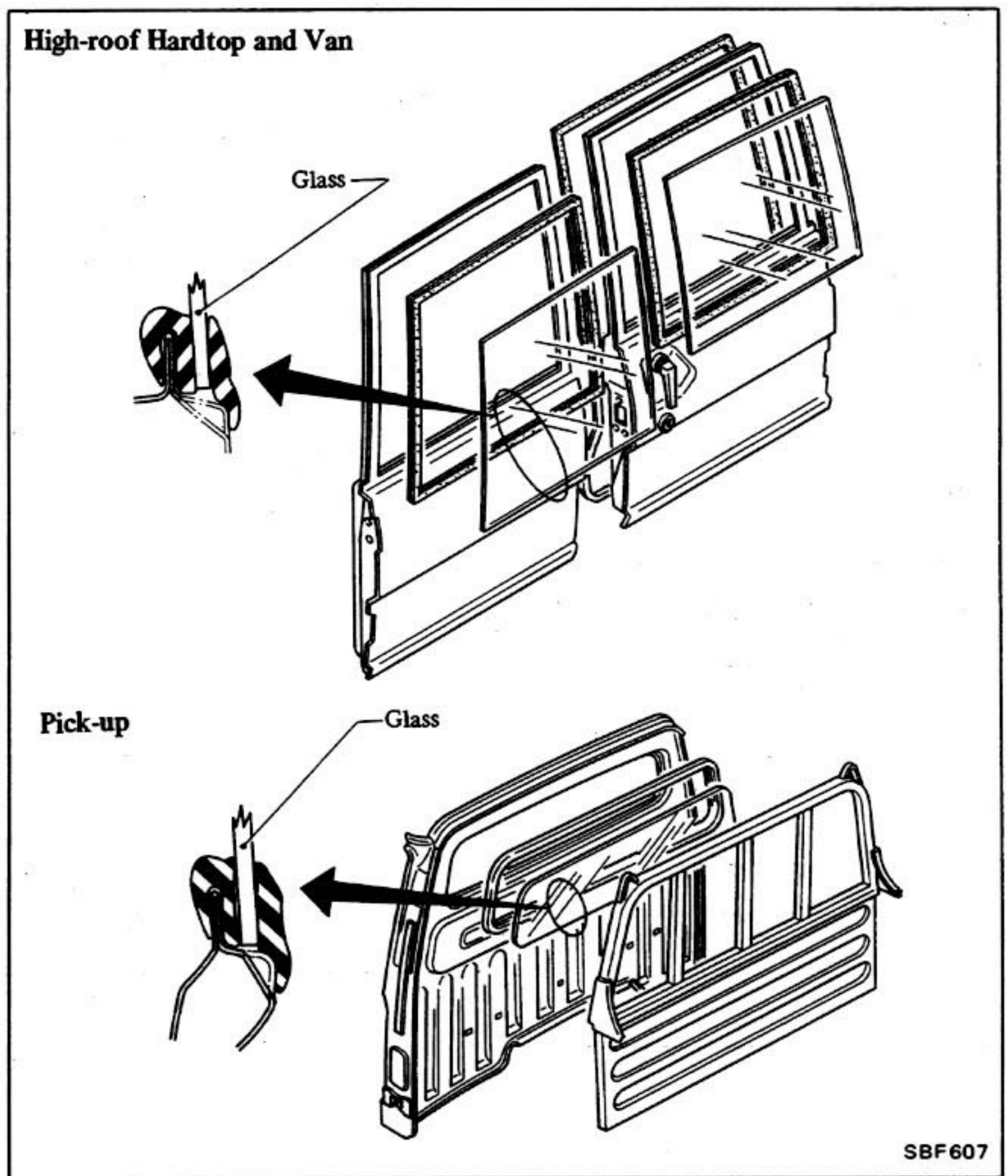
7. Seal weatherstrip with sealer as shown on page BF-26 (Canvas Top only).

BACK WINDOW

REMOVAL AND INSTALLATION

The instructions for windshield glass apply also to back window glass. Therefore, refer to Windshield for removal and installation.

When installing back window glass, always start by pulling string cord beginning at bottom of glass. Use care not to scratch vehicle body.

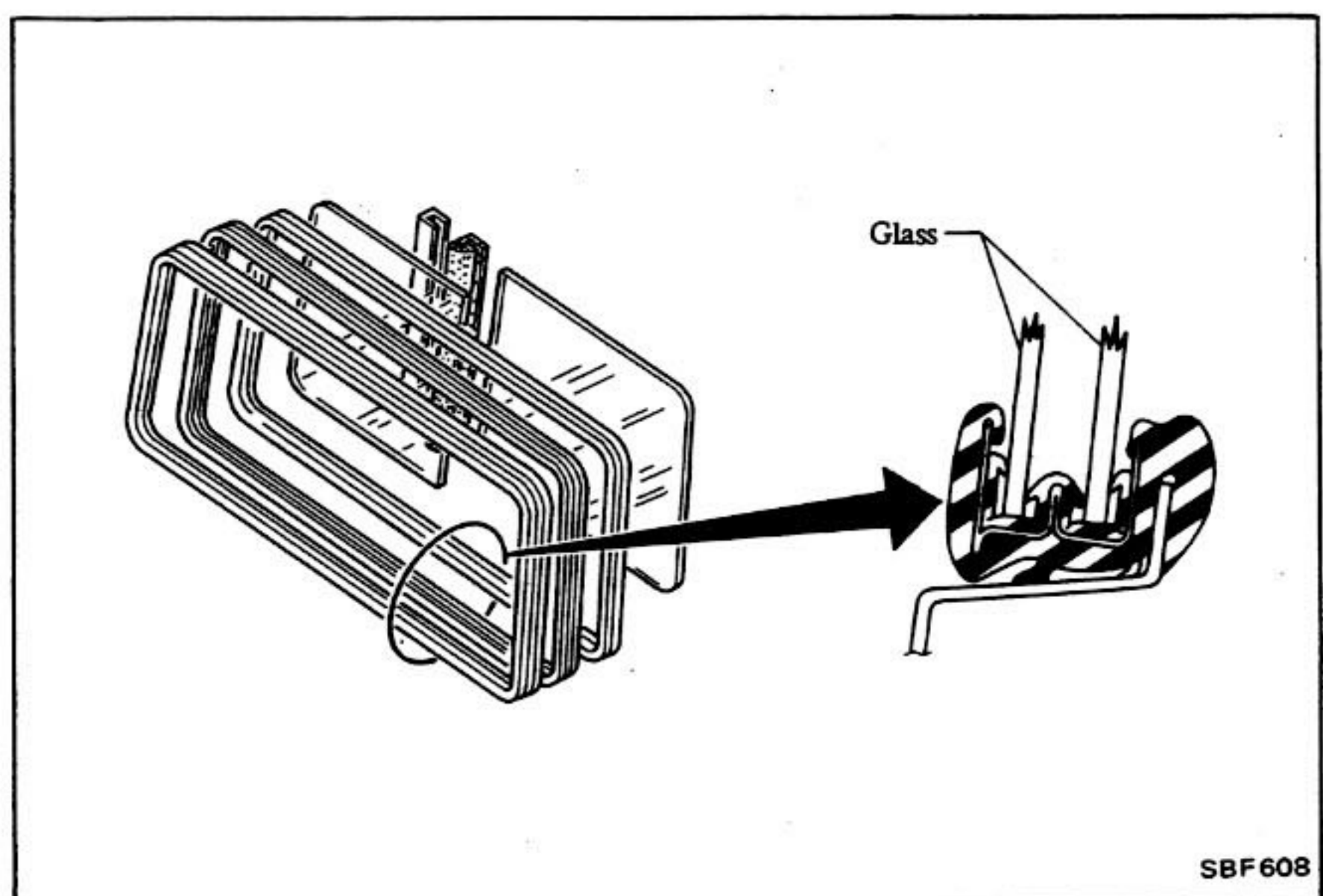


SIDE WINDOW (Hardtop, High-roof Hardtop, Van and Station Wagon)

REMOVAL AND INSTALLATION

The instructions for windshield glass apply also to side window glass. Therefore, refer to Windshield for removal and installation.

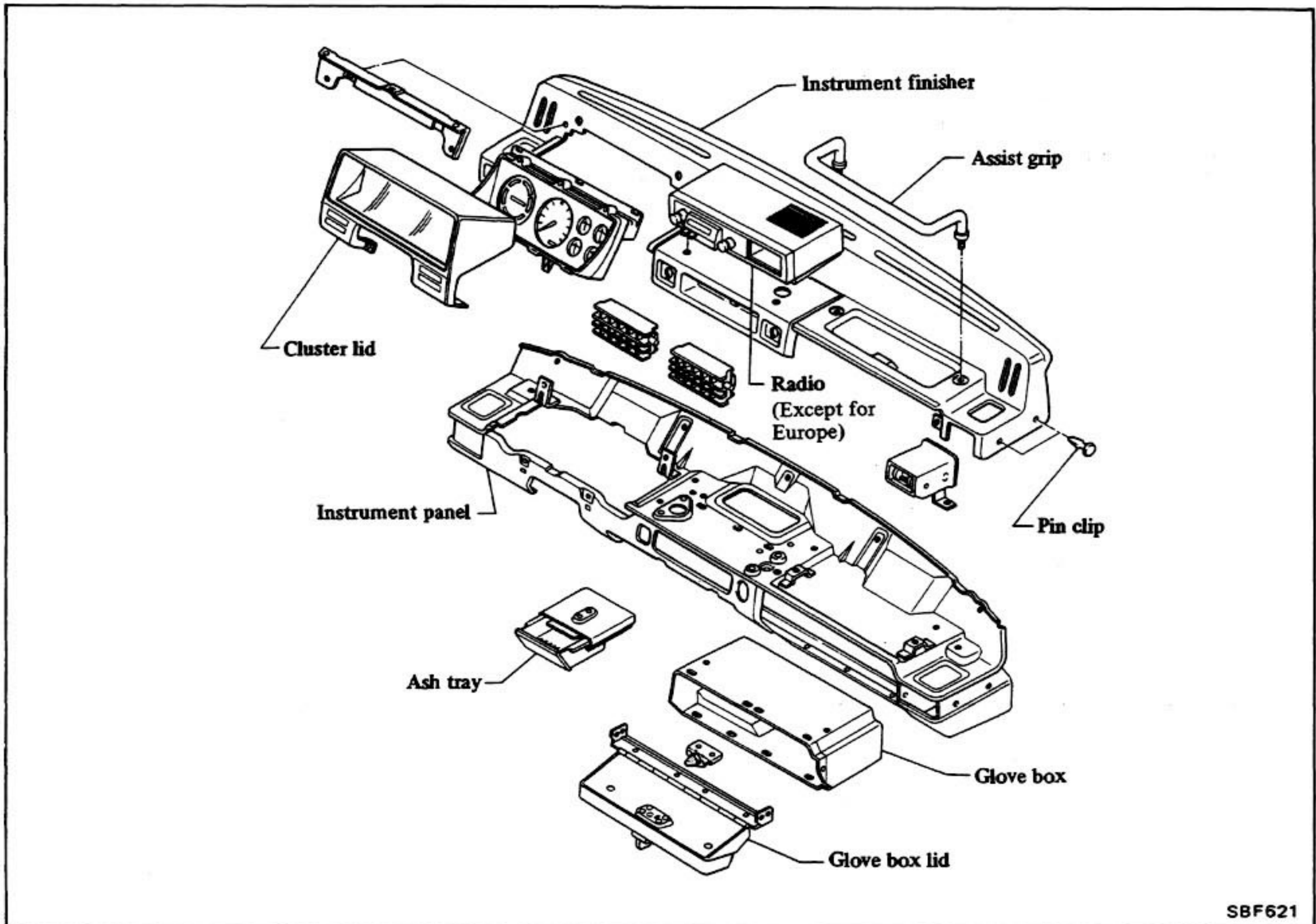
When installing side window, always start by pulling string cord beginning at bottom of glass. Use care not to scratch vehicle body.



INSTRUMENT PANEL AND SEAT

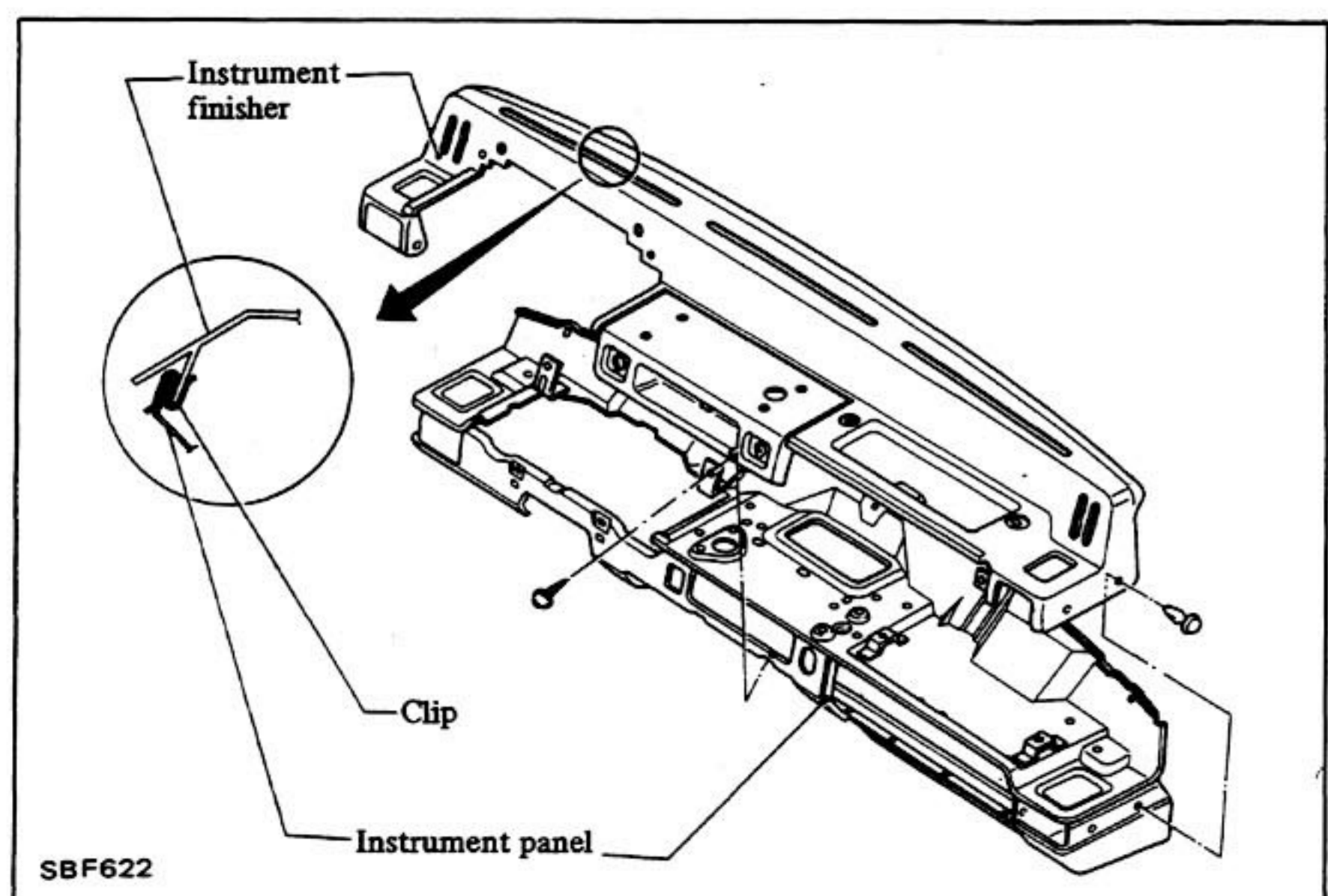
INSTRUMENT PANEL

EXCEPT CANVAS TOP

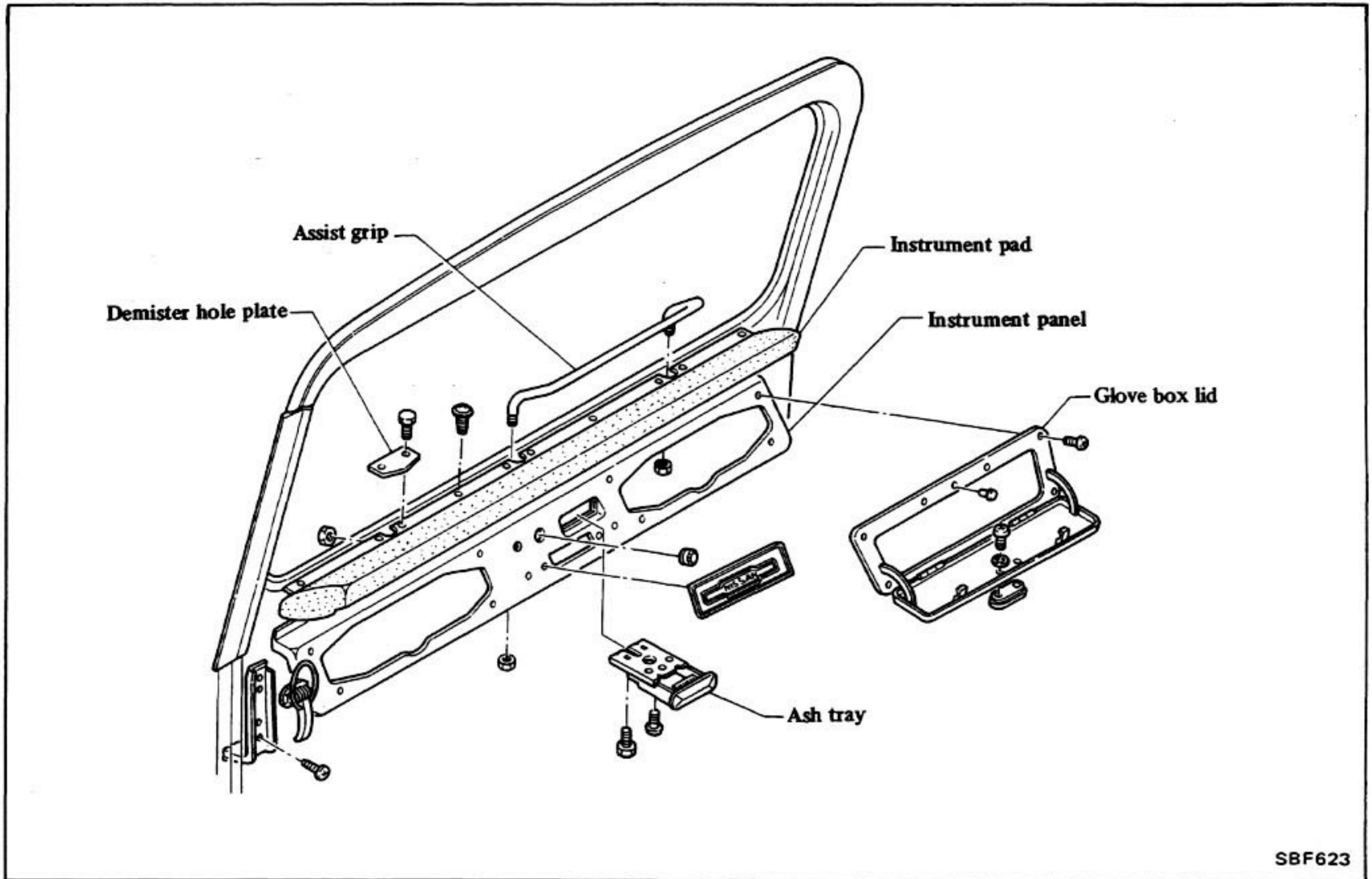


Removal and installation (Instrument finisher)

1. Disconnect harness connectors and remove radio box.
2. Remove assist grip.
3. Remove cluster lid.
4. Disconnect speedometer cable and remove combination meter.
5. Withdraw instrument finisher securing pin clip.
6. Remove clip from instrument finisher, then remove instrument finisher.
7. Installation is in reverse order of removal.



CANVAS TOP



Removal and Installation

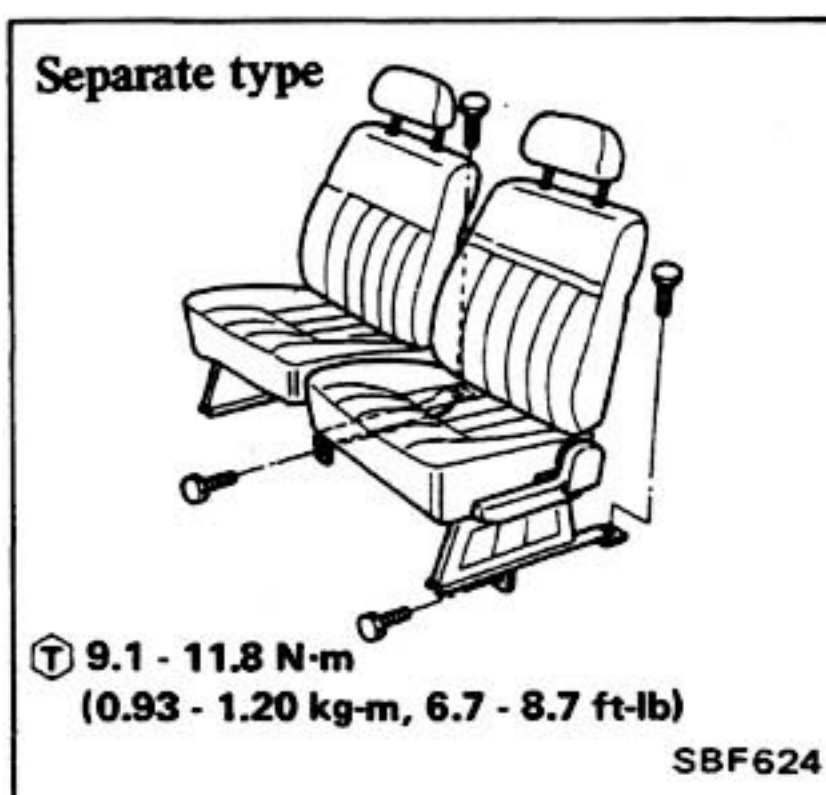
1. Remove glove box lid.
2. Remove demister hole plate and instrument pad.
3. Disconnect speedometer cable and harness connectors.
4. Remove combination meter.
5. Remove instrument panel fixing bolts and instrument panel.
6. Installation is in reverse order of removal.

SEAT

REMOVAL AND INSTALLATION

Front seat

Except Canvas Top



Semi-bench seat



Ⓣ 9.1 - 11.8 N-m
(0.93 - 1.20 kg-m,
6.7 - 8.7 ft-lb)

SBF625

Semi-bench seat

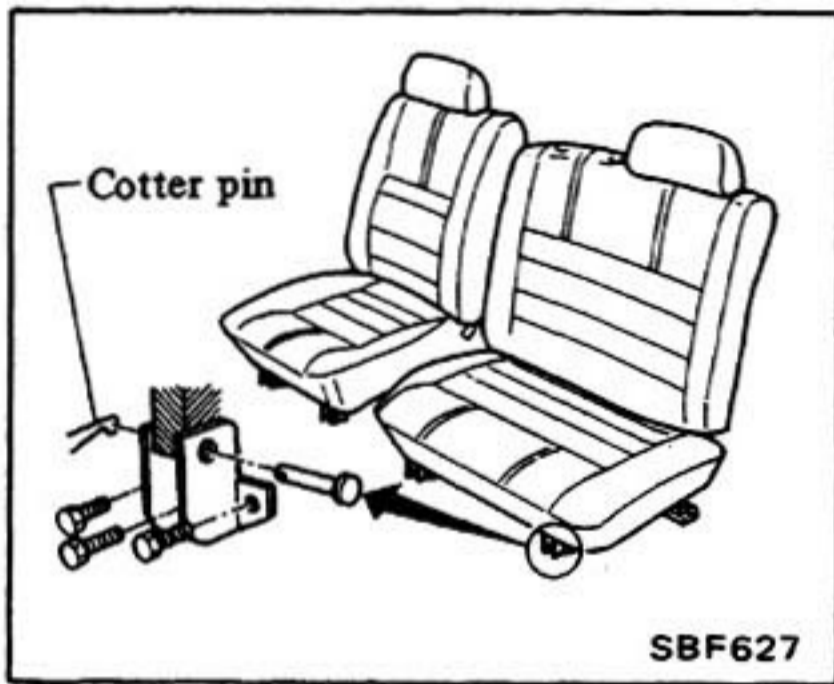


Ⓣ 9.1 - 11.8 N-m
(0.93 - 1.20 kg-m,
6.7 - 8.7 ft-lb)

SBF626

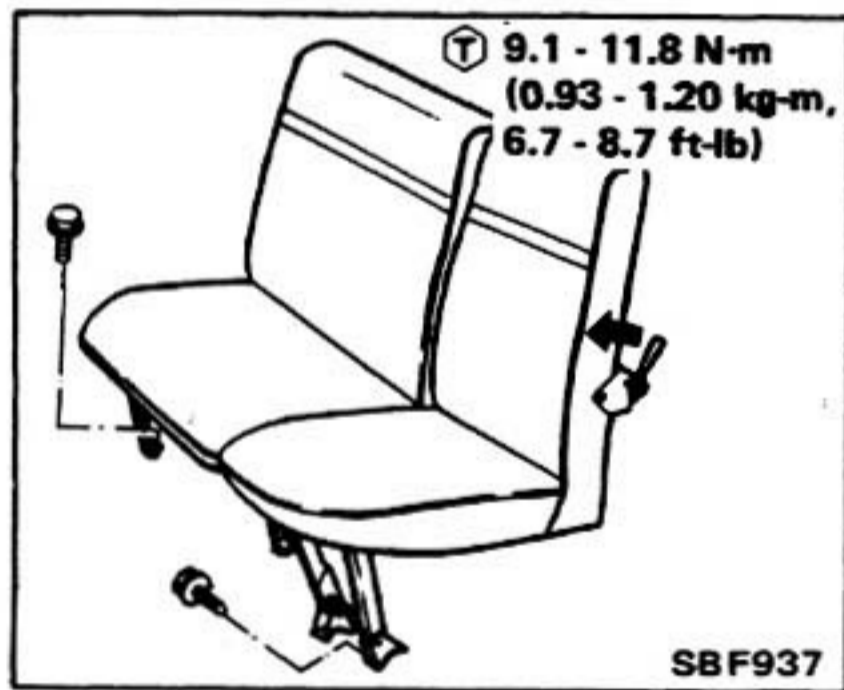
1. Remove bolts attaching front of seat bracket to floor.
2. Remove bolts attaching rear of seat bracket to floor.
3. Then remove front seat assembly from vehicle.
4. Installation is in reverse order of removal.

Canvas Top



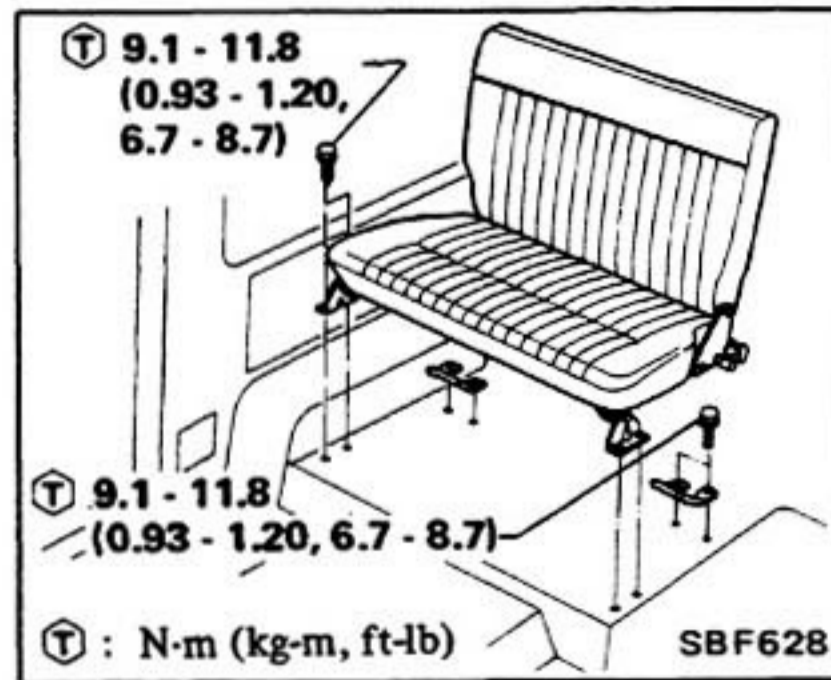
1. Remove cotter pin and rod.
2. Remove front seat assembly.

2nd seat (Station Wagon only)

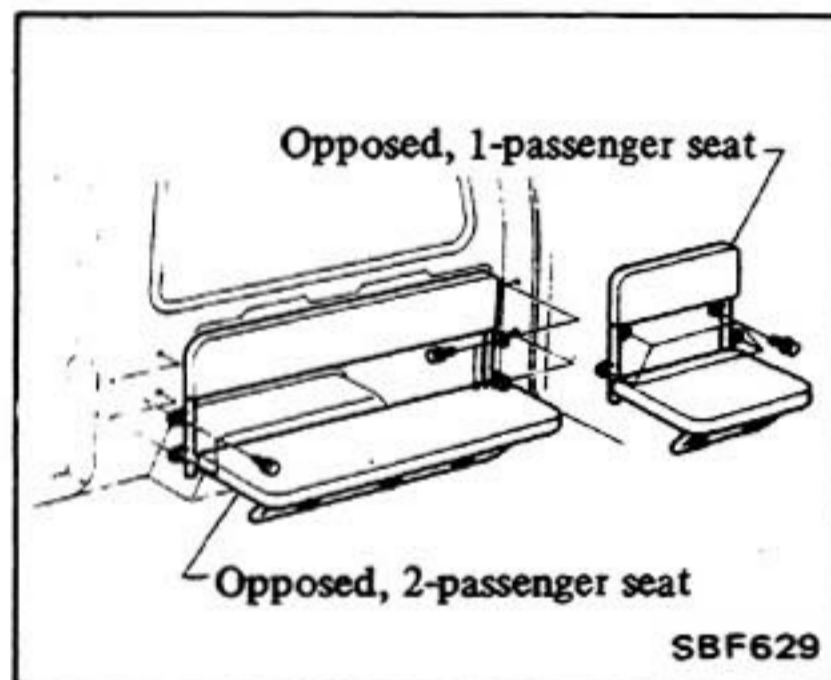


Rear seat

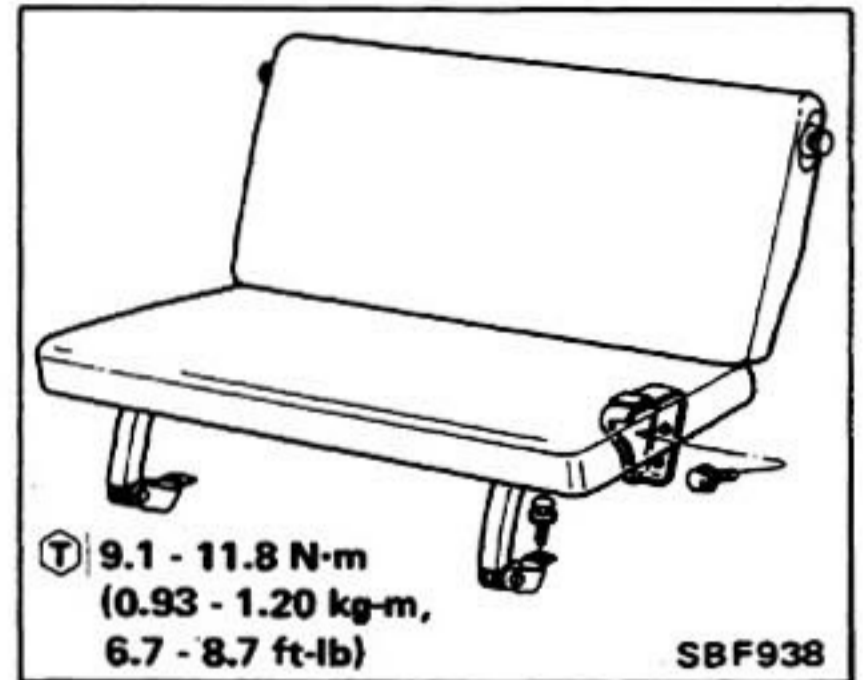
Hardtop and Station Wagon



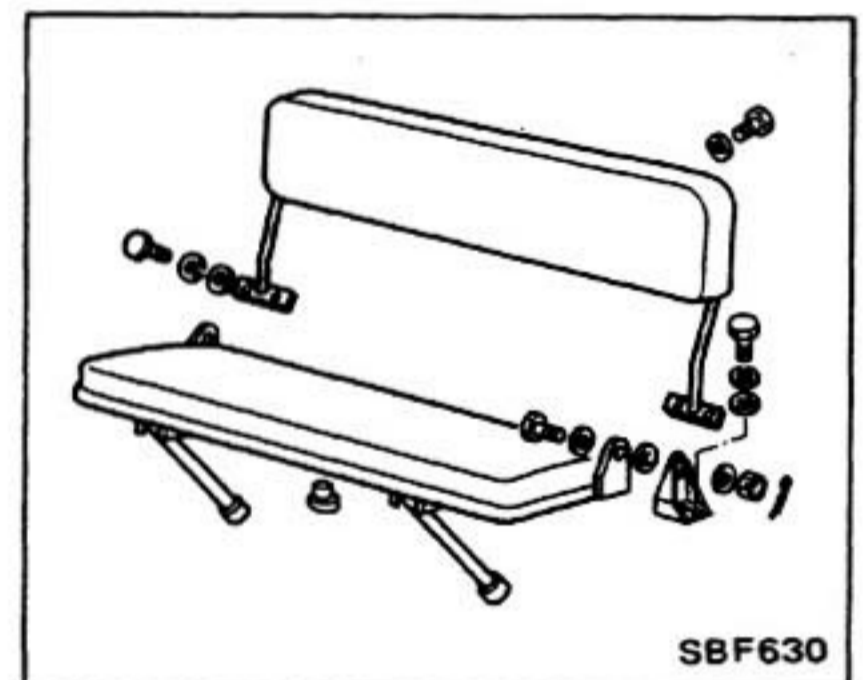
High-roof Hardtop



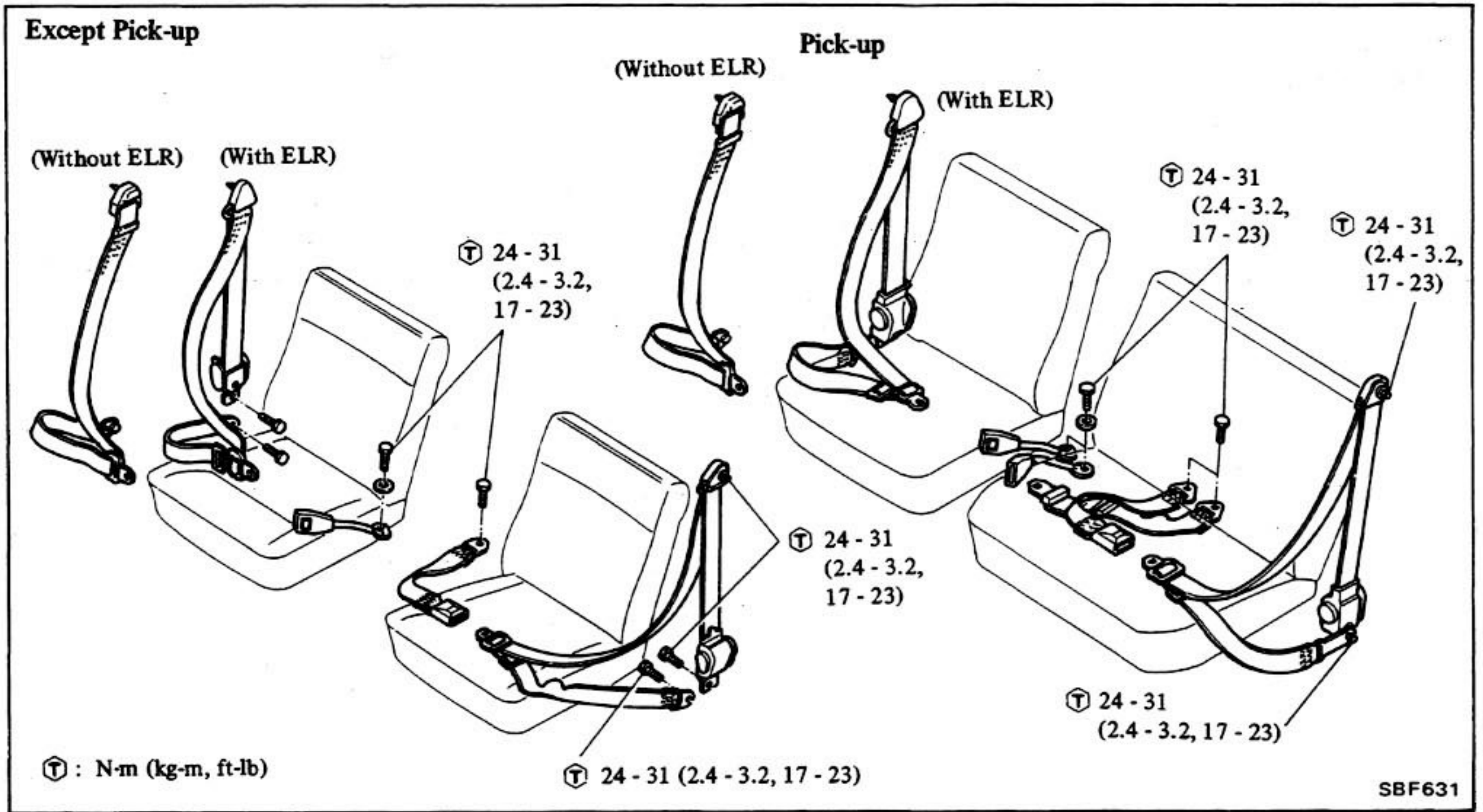
Van



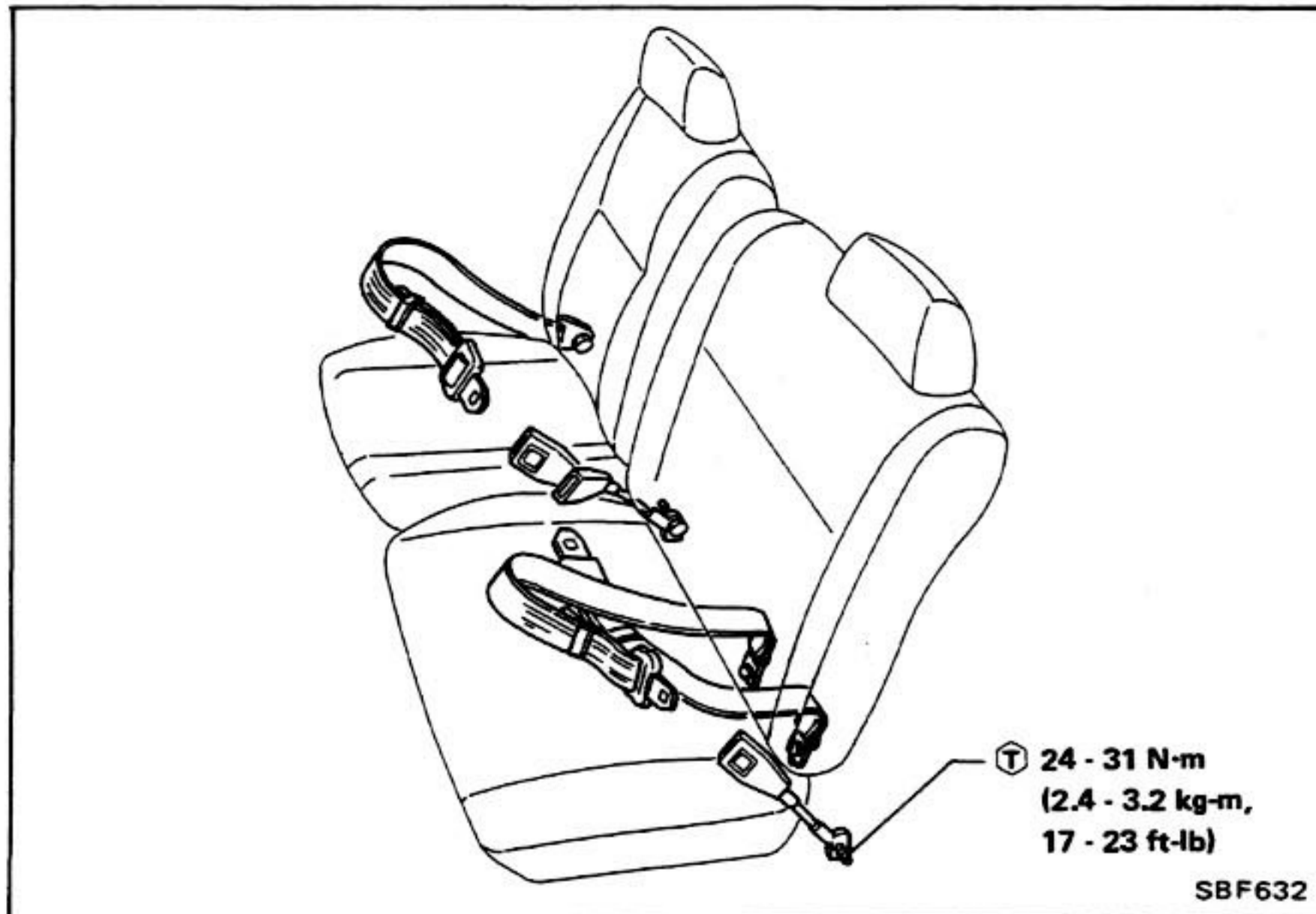
Canvas Top



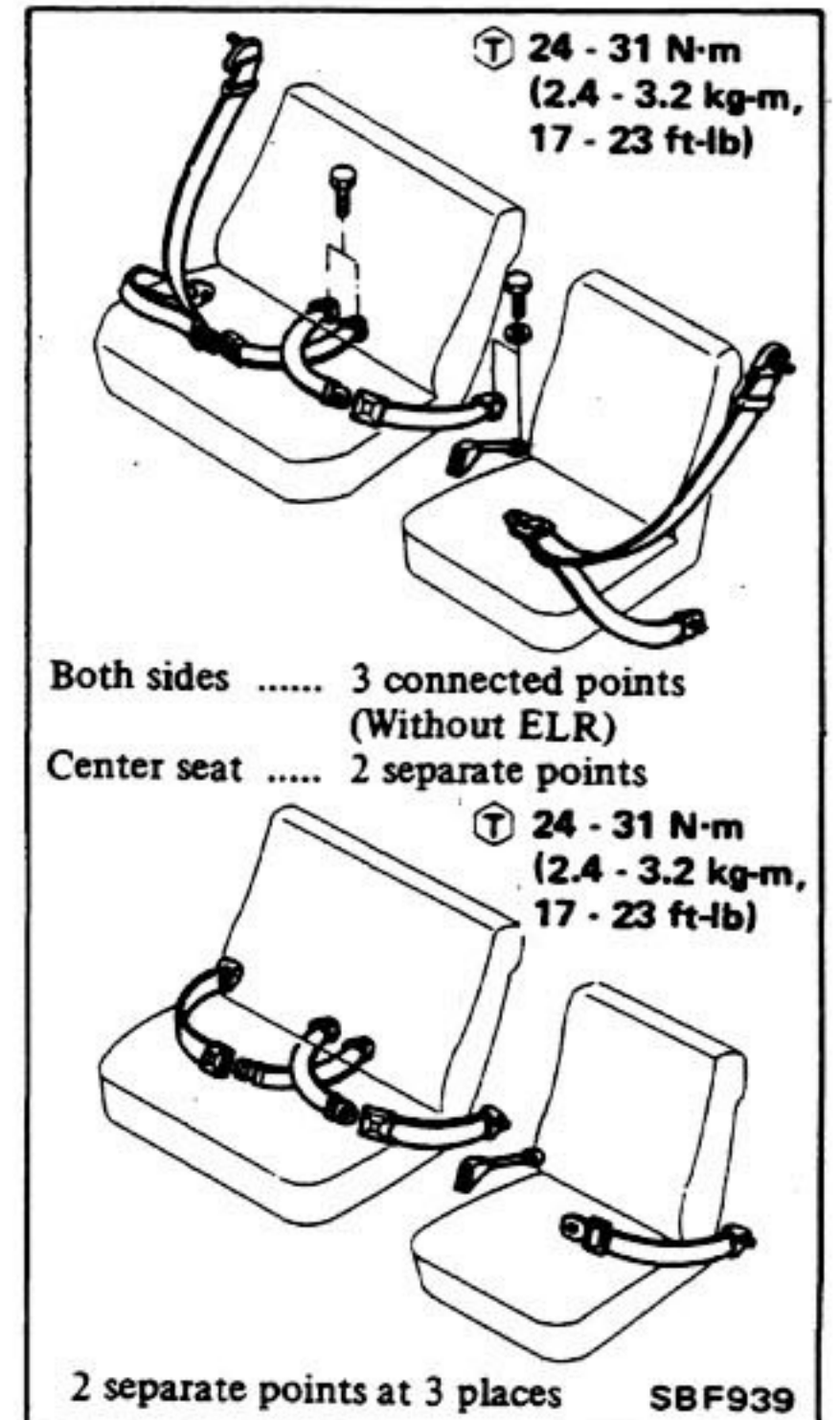
SEAT BELT
FRONT SEAT BELT
Except Canvas Top



Canvas Top

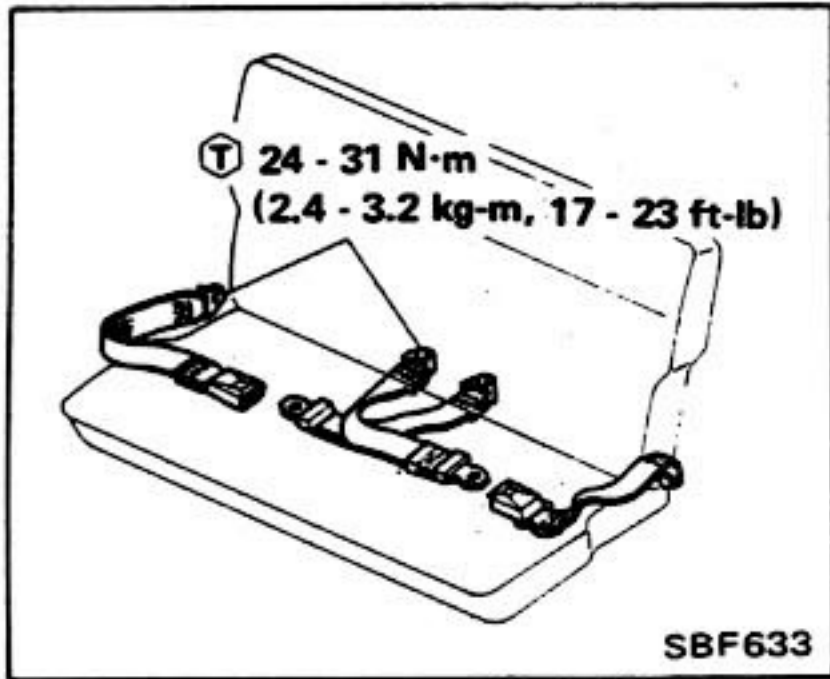


2nd seat (Station Wagon only)



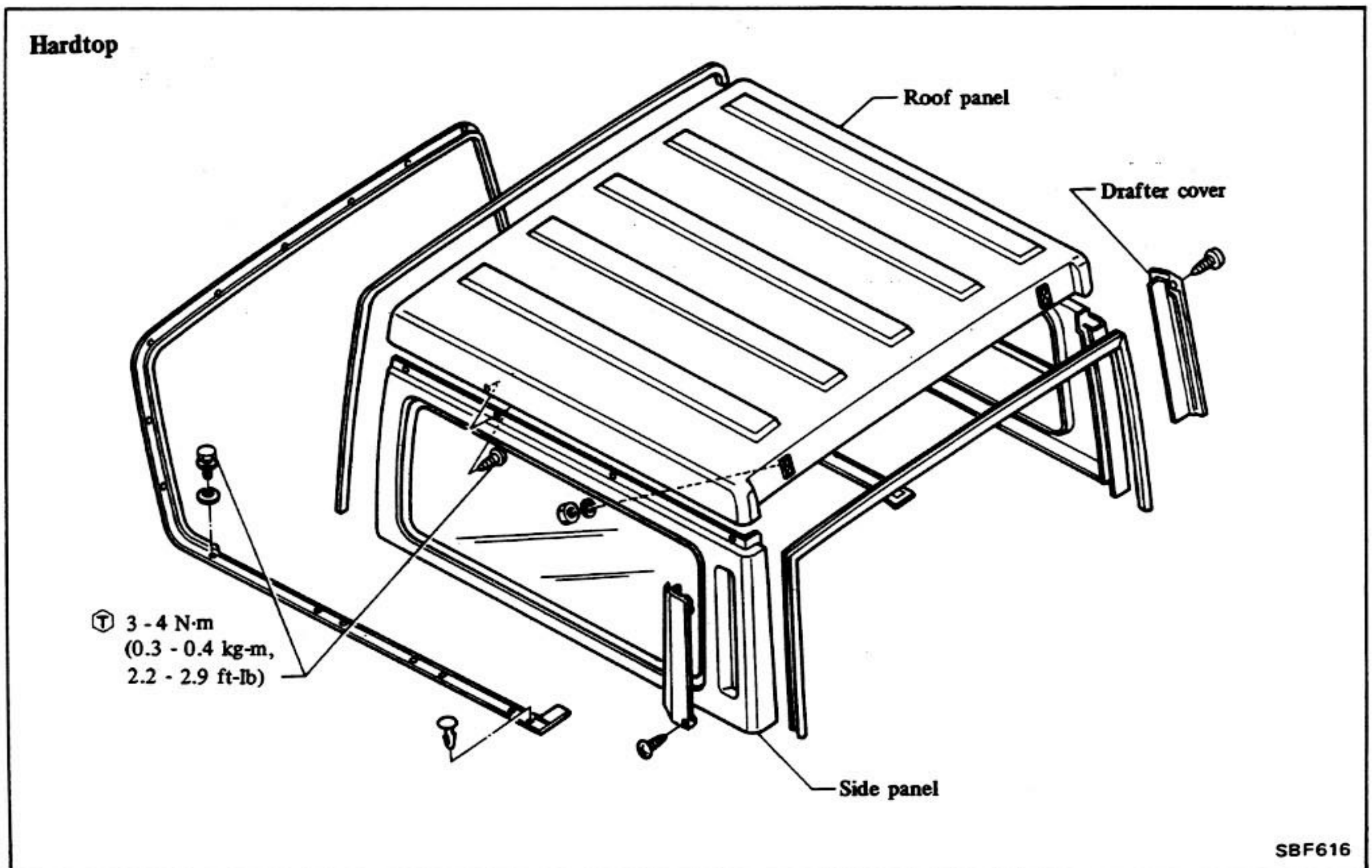
REAR SEAT BELT

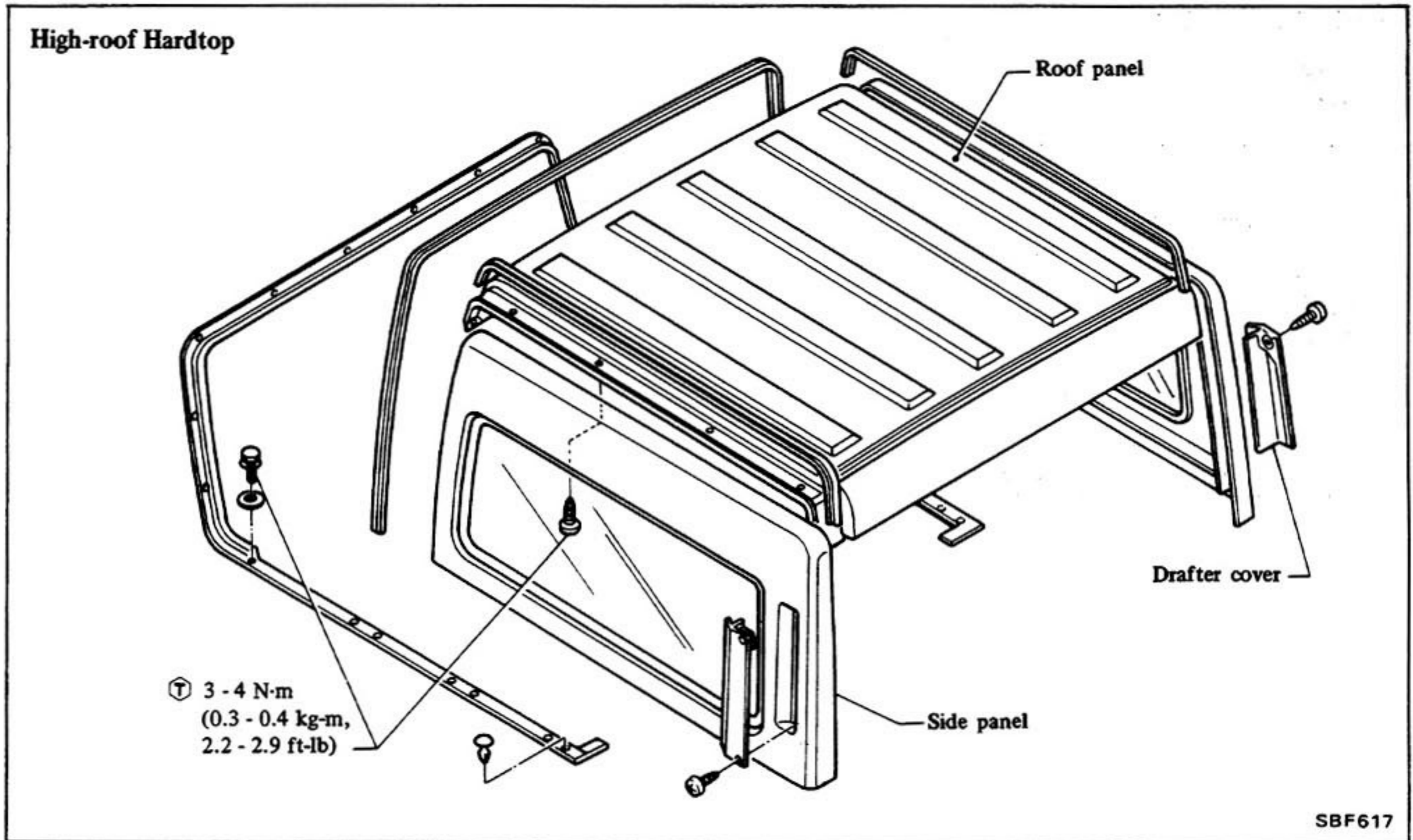
Hardtop, Van and Station Wagon



ROOF

CANOPY



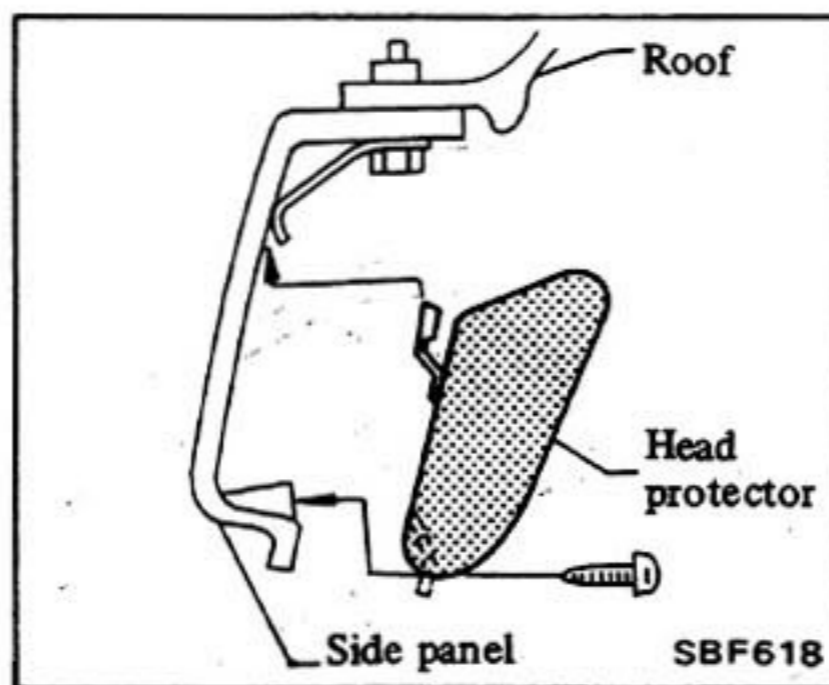


REMOVAL AND INSTALLATION

- Canopy consists of roof and both side panels. When replacing roof or side panel, remove it as a canopy assembly.
- TORX wrench is necessary to remove bolts as they are TORX bolts.

1. Disconnect canopy retaining bolts (TORX bolts).
2. Remove canopy as an assembly.
3. Installation is in reverse order of removal.

Ⓣ : Canopy retaining bolts
3 - 4 N·m
(0.3 - 0.4 kg·m,
2.2 - 2.9 ft·lb)

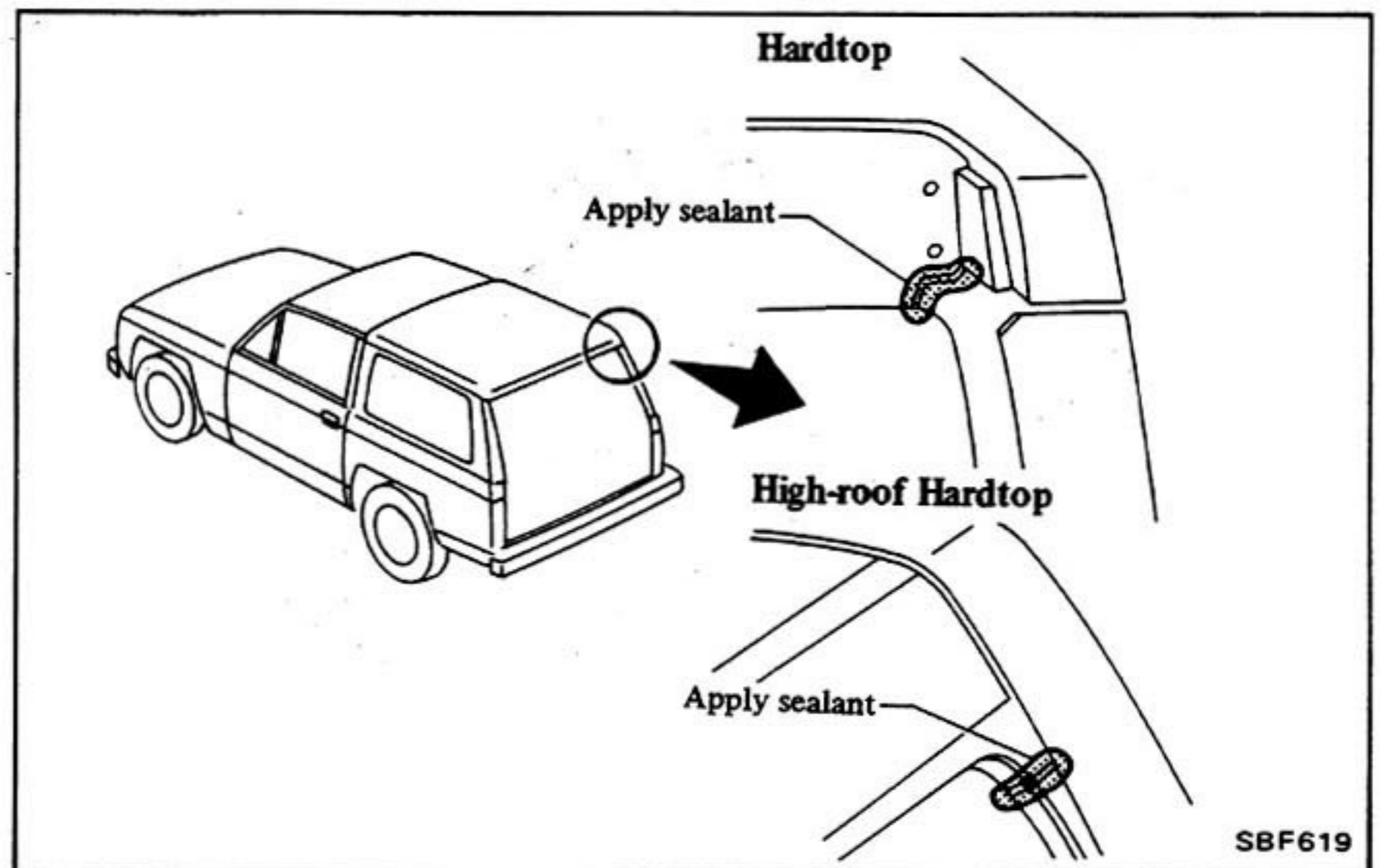


3. Remove bolts securing side panel to roof.
4. Installation is in reverse order of removal. Apply sealant to mating surface of side panel and as shown in following figure.

Ⓣ : Bolts securing side panel to roof
3 - 4 N·m
(0.3 - 0.4 kg·m,
2.2 - 2.9 ft·lb)

DISASSEMBLY AND ASSEMBLY

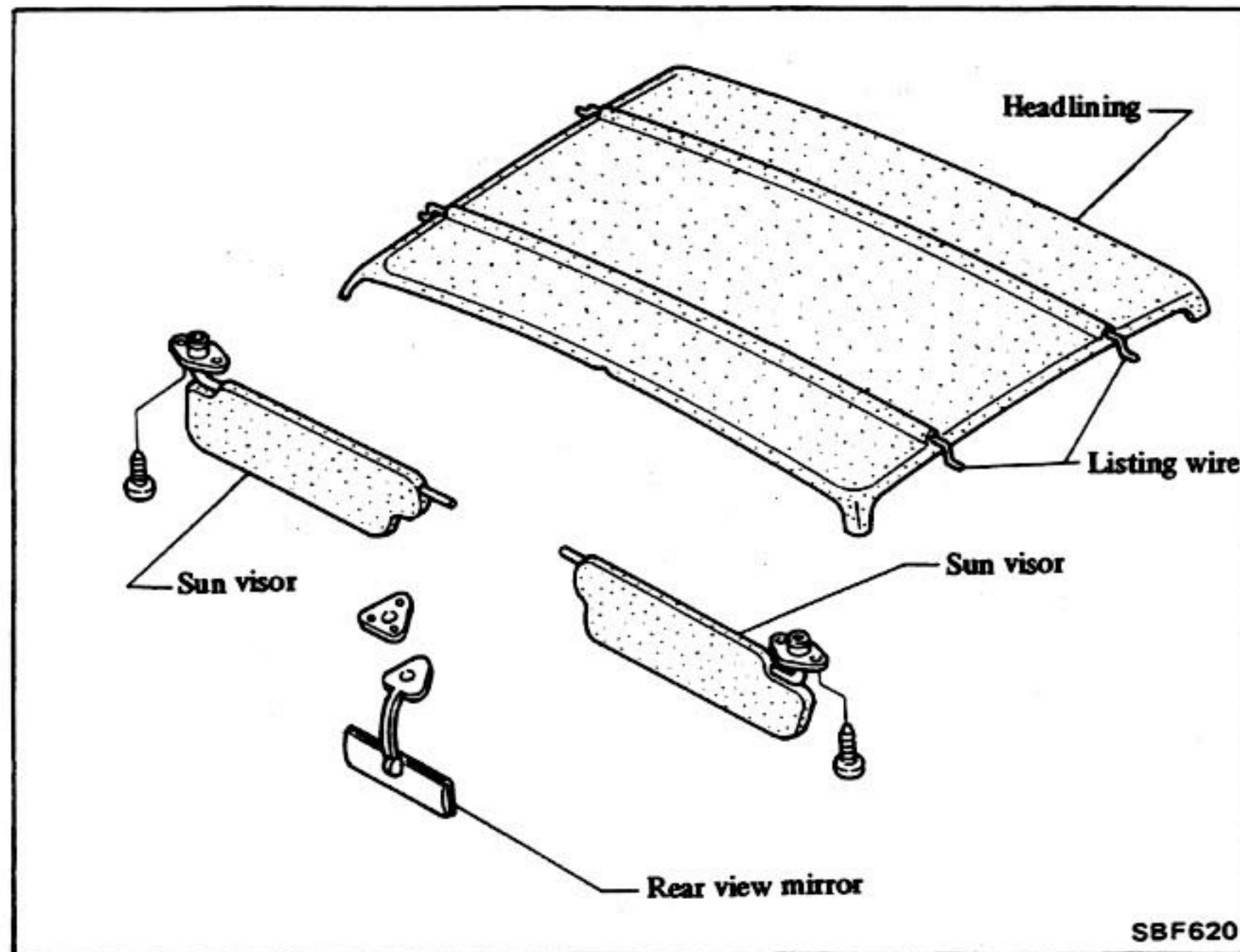
1. Remove weatherstrip from canopy.
2. On High-roof Hardtop models, remove head protector.



ROOF TRIM

REMOVAL AND INSTALLATION

Hardtop, High-roof Hardtop and Pick-up



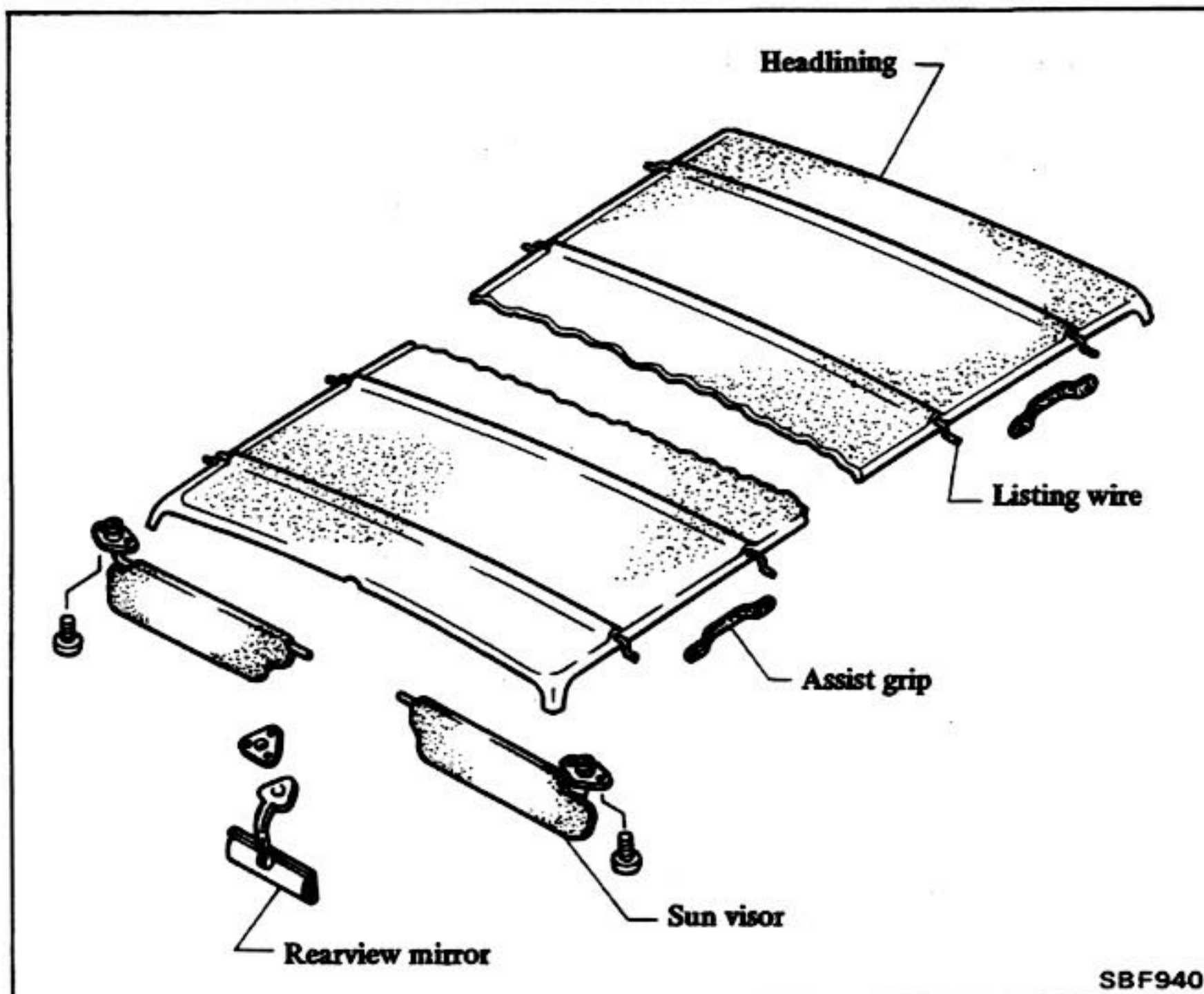
1. Remove interior lamp, inside rear-view mirror, sun visors and assist grips.
2. Remove canopy (Hardtop and High-roof Hardtop).

Remove rear window glass (Pick-up).

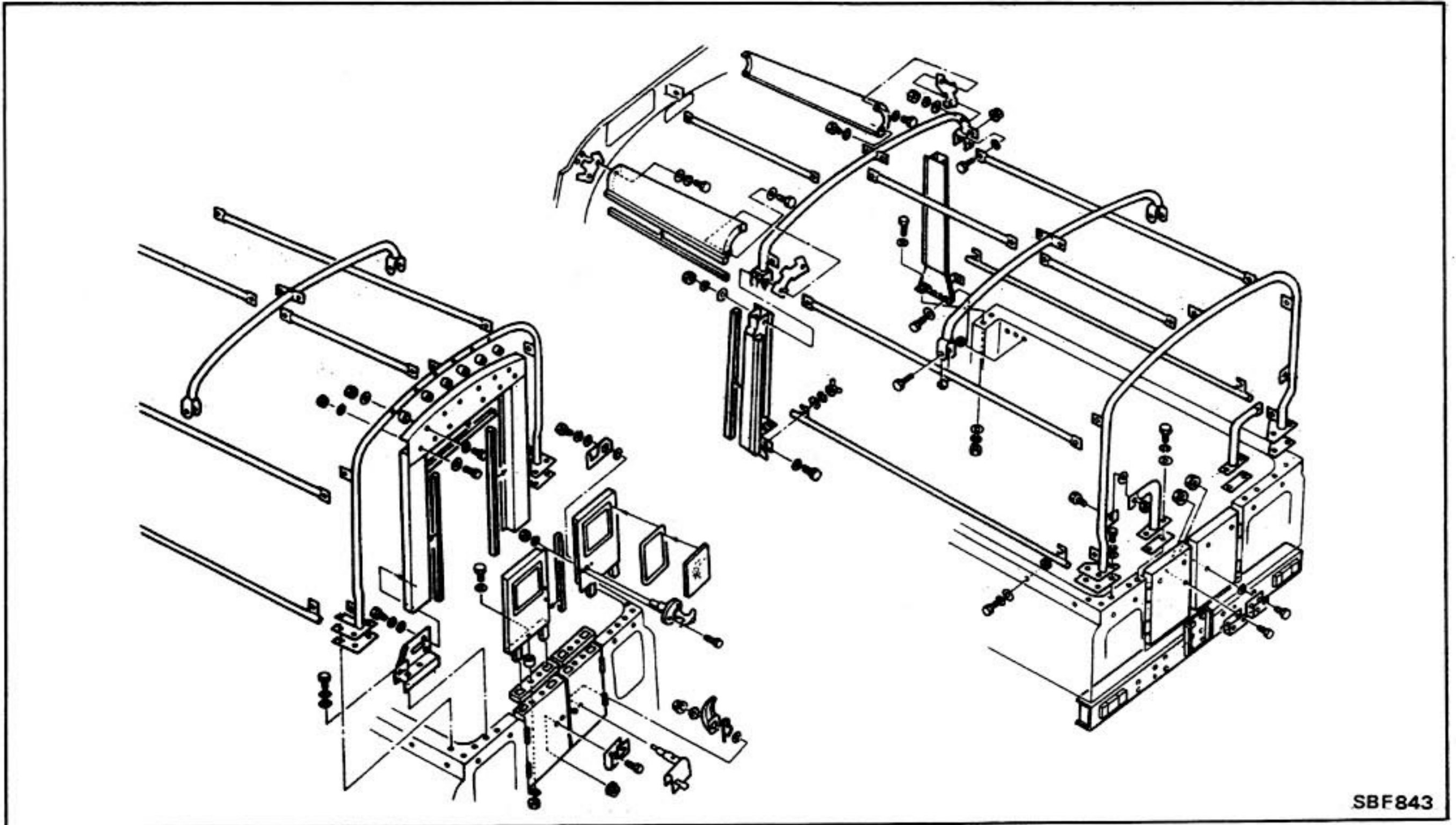
3. Remove roof rear side garnish (Van and Station Wagon).
4. Remove windshield glass.
5. Remove headlining.
6. Installation is in reverse order of removal.

When replacing headlining, also replace listing wire if deformed.

Van and Station Wagon

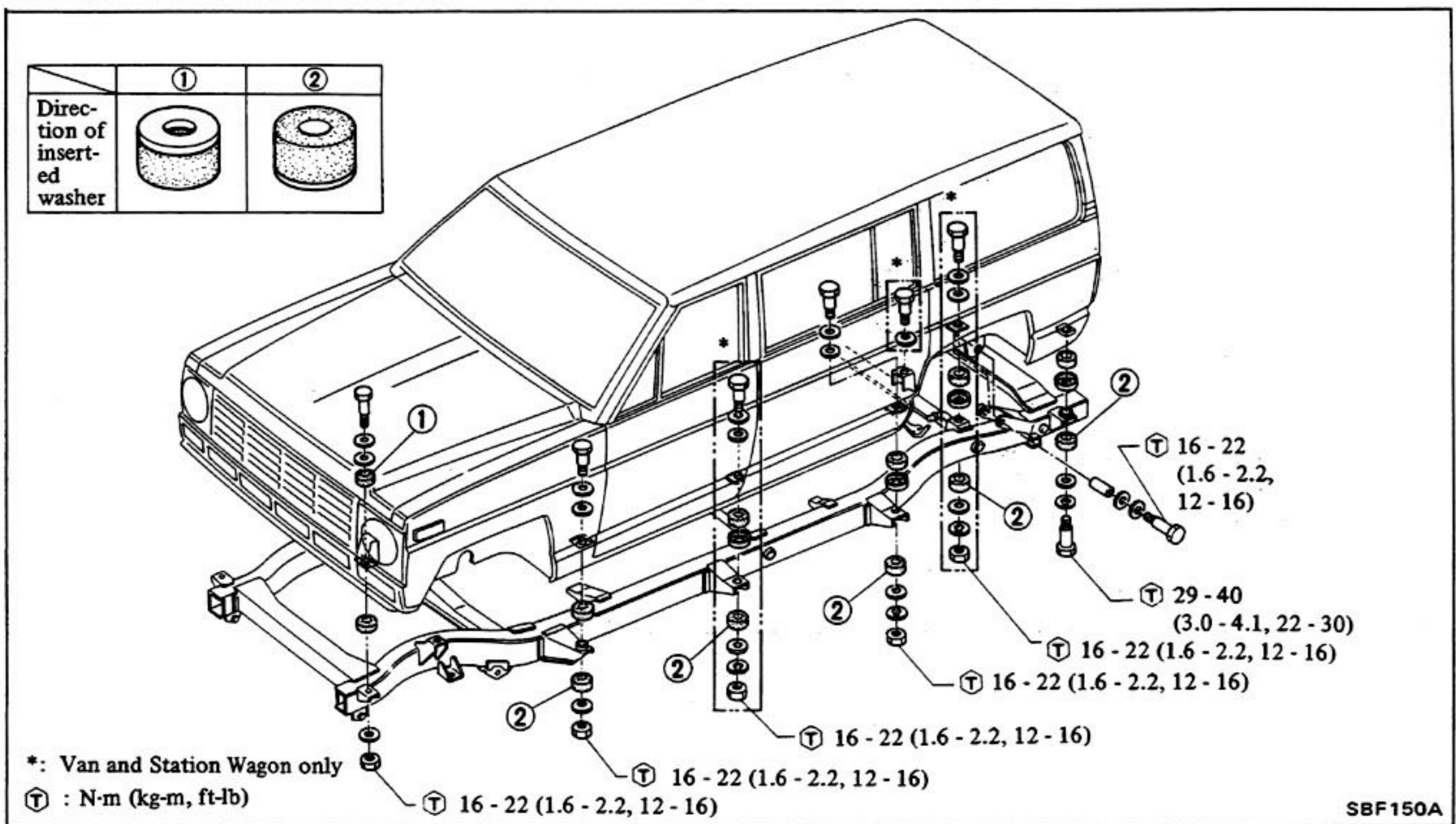


CANVAS



BODY MOUNTING

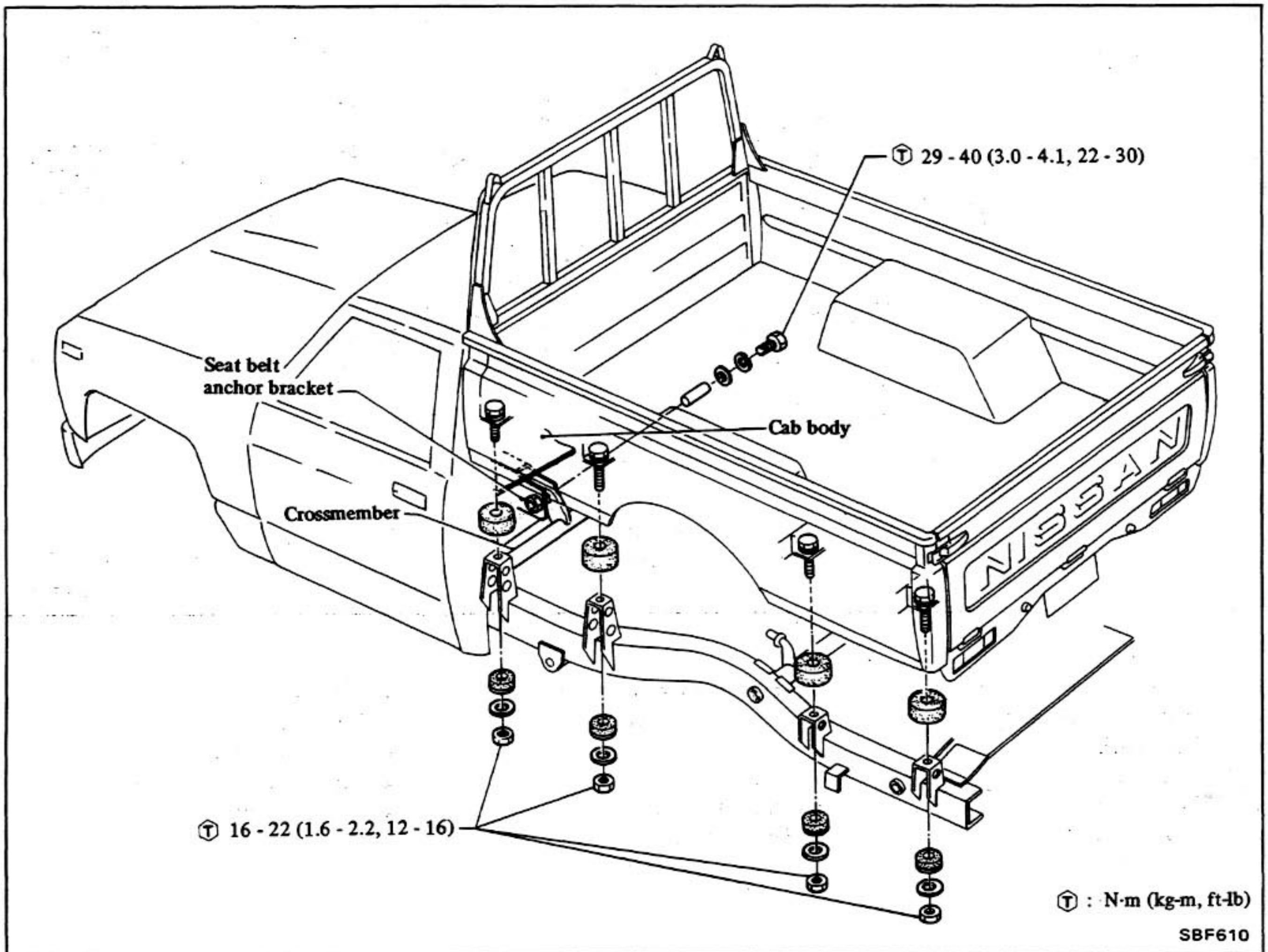
HARDTOP, HIGH-ROOF HARDTOP, VAN AND STATION WAGON



Before removing cab body, remove or disconnect the following parts:

- Wiring harness
- Steering column rubber coupling
- Brake booster vacuum hose
- Accelerator cable and Choke control cable
- Battery
- Clutch tube line
- Brake tube line
- Parking brake wire
- Radiator shroud fixing bolt
- Engine coolant inlet and outlet hoses
- Heater hose
- Speedometer cable
- Transmission and Transfer lever
- Fuel filler hose
- Seat belt anchor bracket

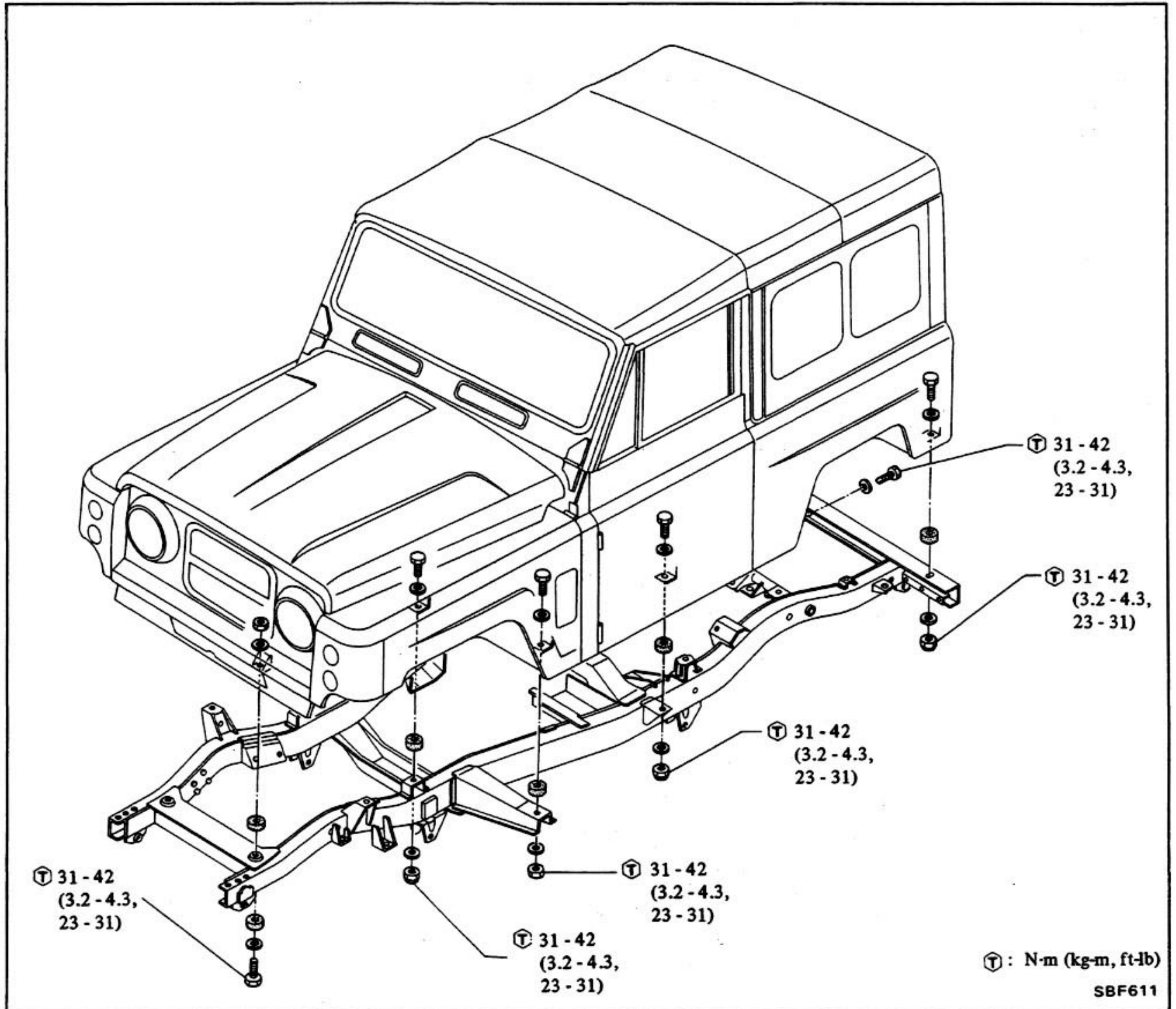
PICK-UP (Rear body)



Before removing rear body, remove or disconnect the following parts:

- Wiring harness
- Fuel filler hose

CANVAS TOP



Before removing cab body, remove or disconnect the following parts:

- Radiator shell
- Front fender
- Wiring harness
- Steering gear arm

- Brake booster vacuum hose
- Accelerator cable and choke control cable
- Battery
- Clutch tube line
- Brake tube line

- Parking brake wire
- Heater hose
- Speedometer cable
- Transmission and Transfer lever
- Fuel filler hose

BODY ALIGNMENT

DESCRIPTION

DIMENSION LINES

All dimensions indicated in the drawings/illustrations are the standard design values. These values, along with their dimension lines, are differentiated by thickness for easy identification.

1. Thin dimension line – Indicates a distance from a phantom line of the vehicle body to a point to be measured and cannot be measured with a measuring tape or tram tracking gauge.
2. Thick dimension line – Indicates a direct (or an actual) distance or length between two points and can be measured with a measuring tape or tram tracking gauge.

An asterisk (*) following the value at the measuring point indicates that the measuring point on the other side is symmetrically the same value.

MEASUREMENT OPERATIONS

When vehicle body measurements are taken in accordance with the thick dimension line, careful consideration should be given to the following points.

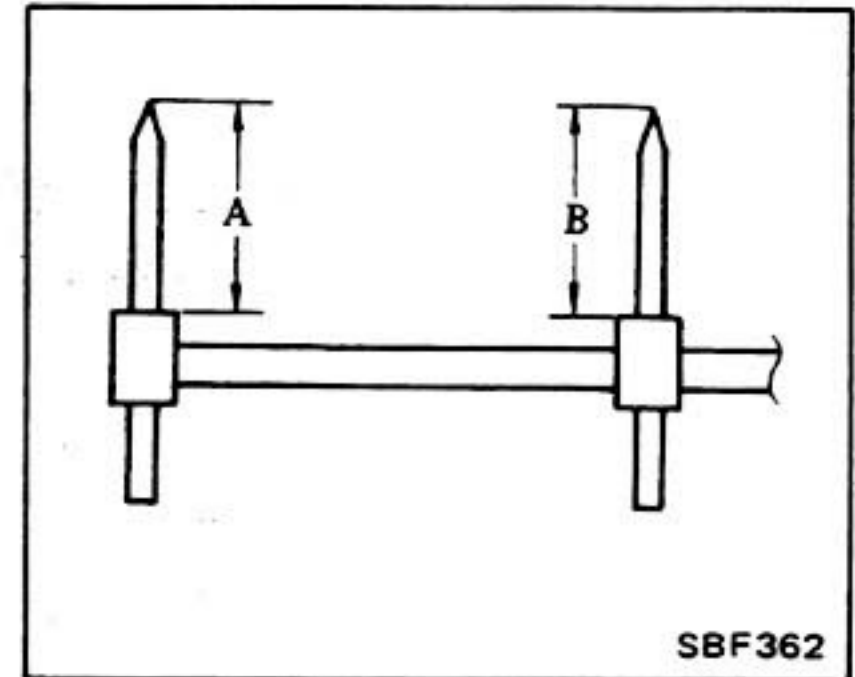
1. Measurement method

- When a tram tracking gauge is used, adjust pointers (A) and (B) to equal lengths as shown in the figure below. 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.

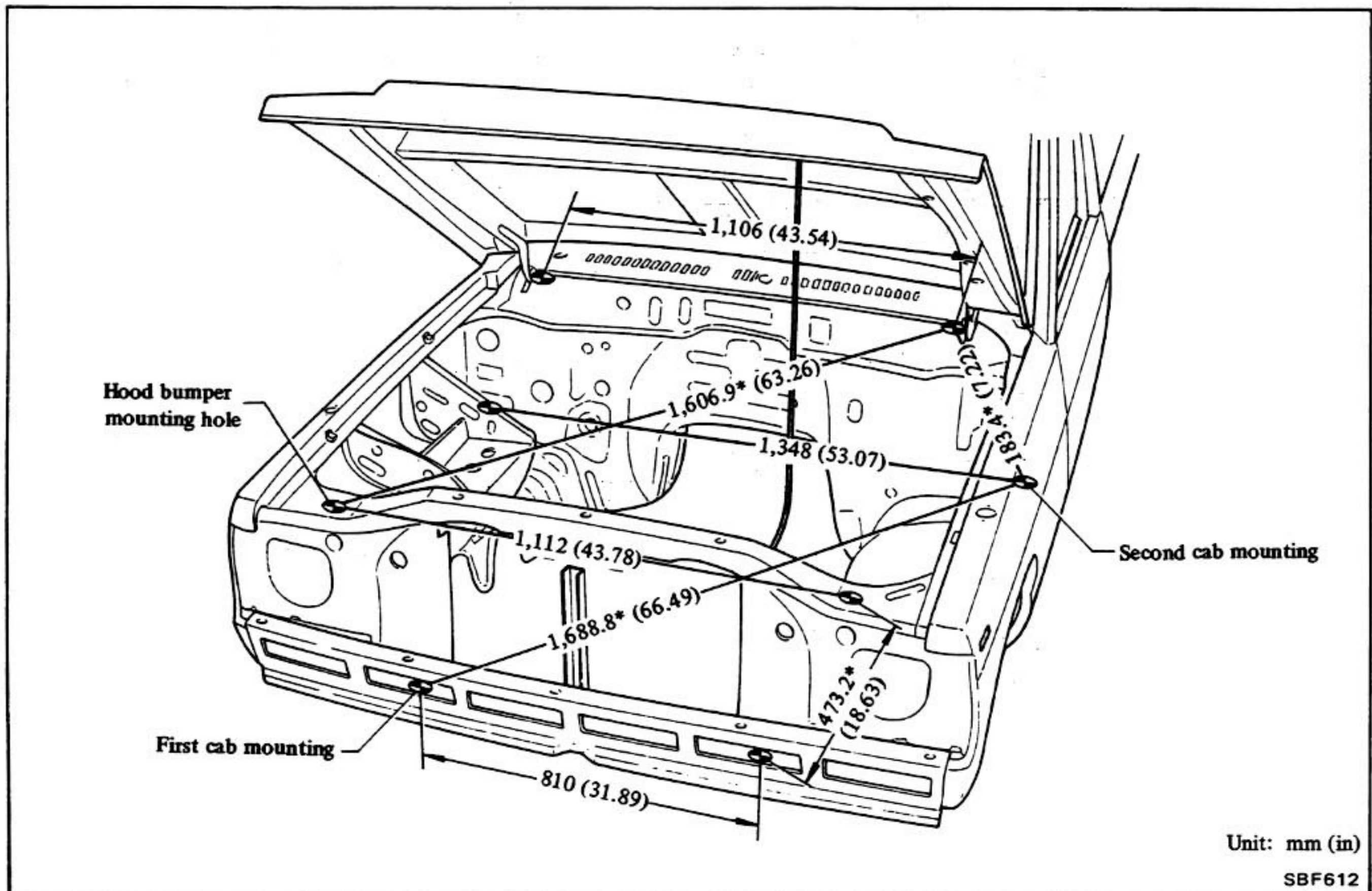
If a part or parts of the vehicle body interferes with measurement when using the measuring tape, you cannot measure the distance or length accurately.

2. Measurement point

Measurements should be taken at the center of mounting holes.



ENGINE COMPARTMENT (Except Canvas Top)

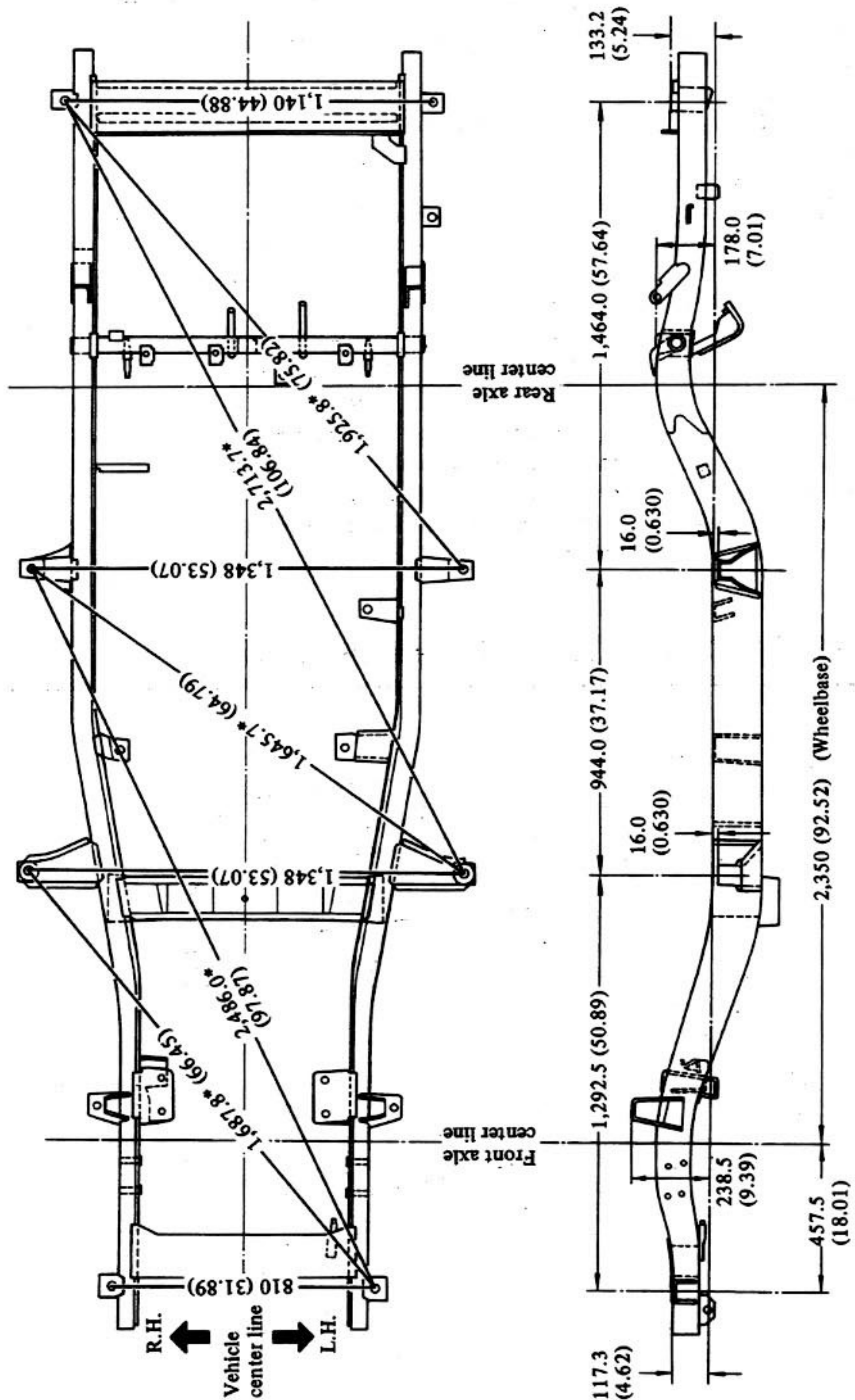


Unit: mm (in)

SBF612

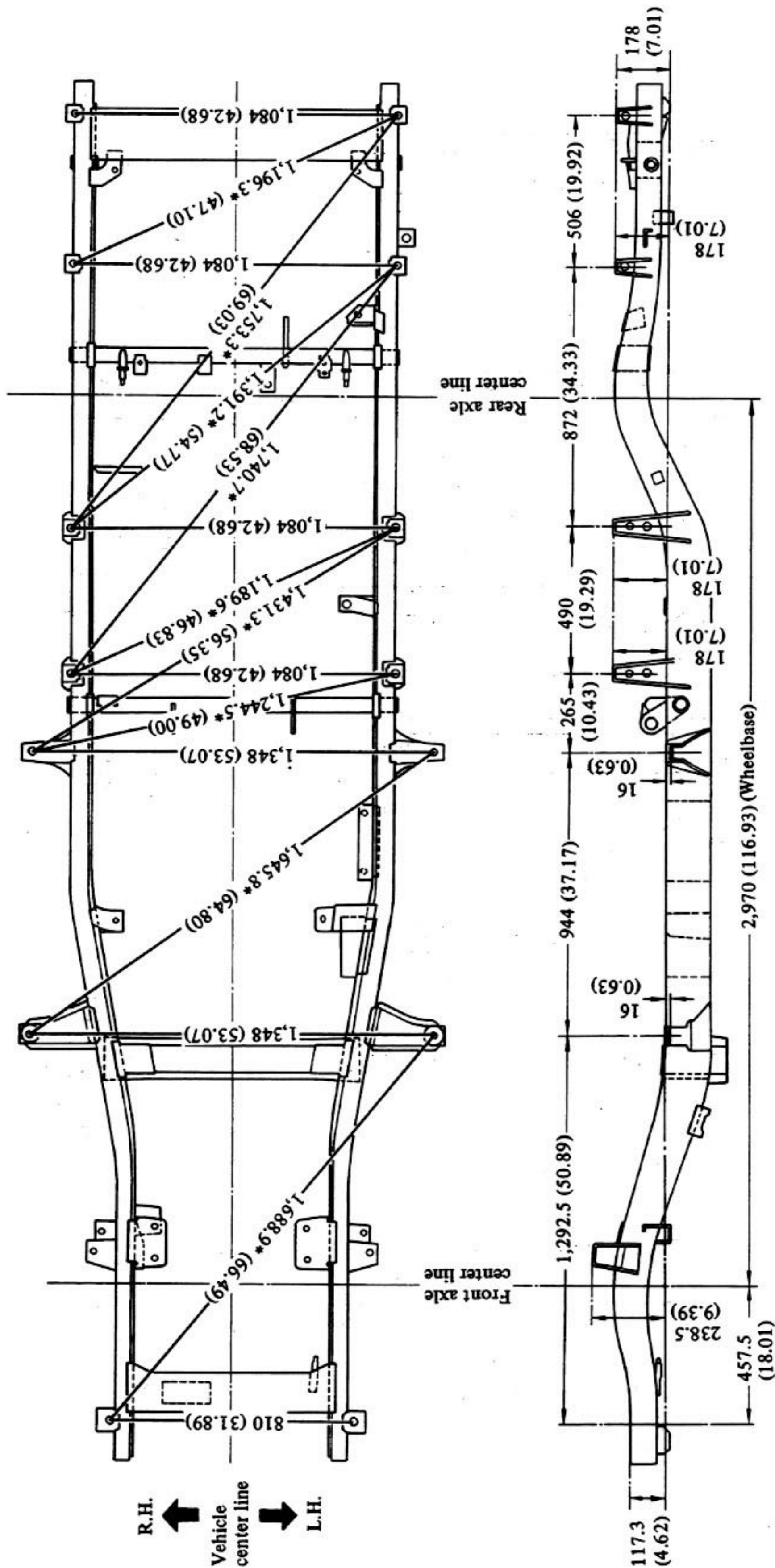
FRAME

HARDTOP AND HIGH-ROOF HARDTOP



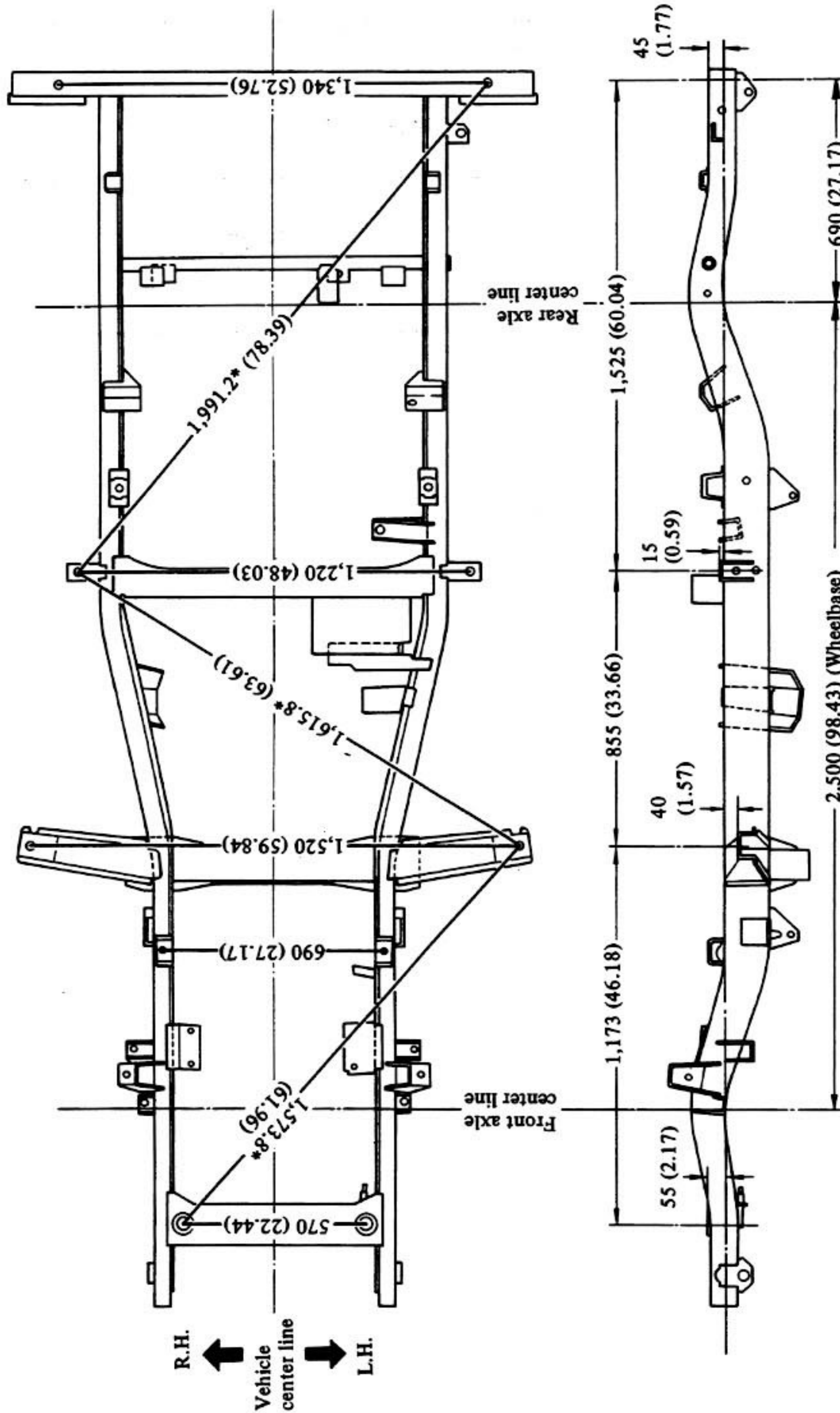
Unit: mm (in)

PICK-UP



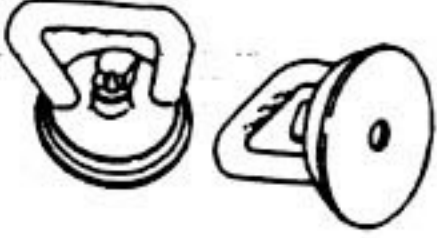
Unit: mm (in)

CANVAS TOP



Unit: mm (in)

SPECIAL SERVICE TOOLS

Tool number	Tool name
ST08800000	Sucker 
GG94310000	Flare nut torque wrench 