

DATSUN 280ZX Model S130 Series

SECTION BF

BODY

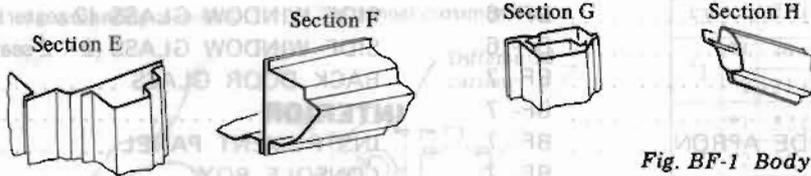
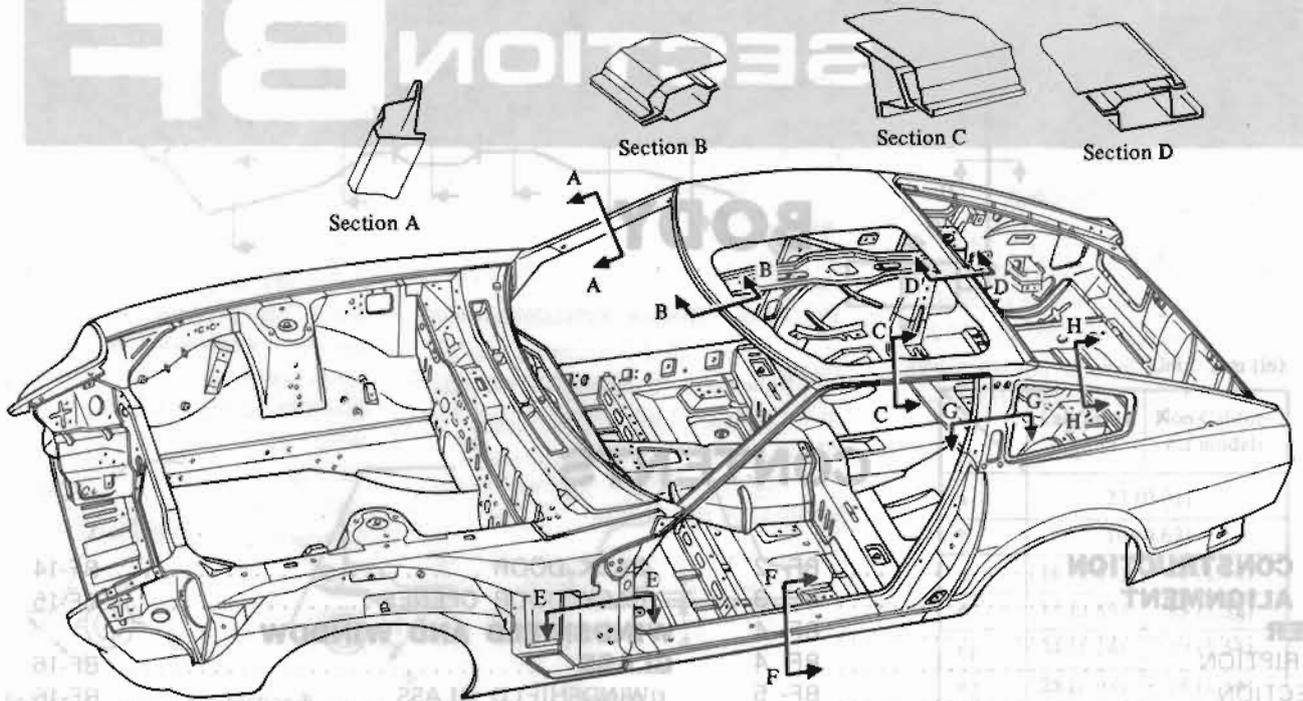
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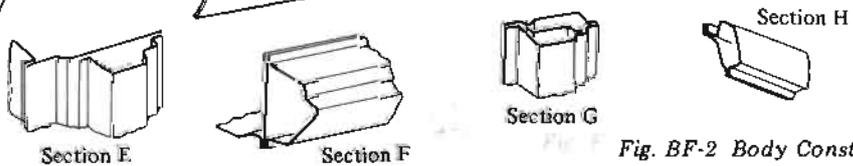
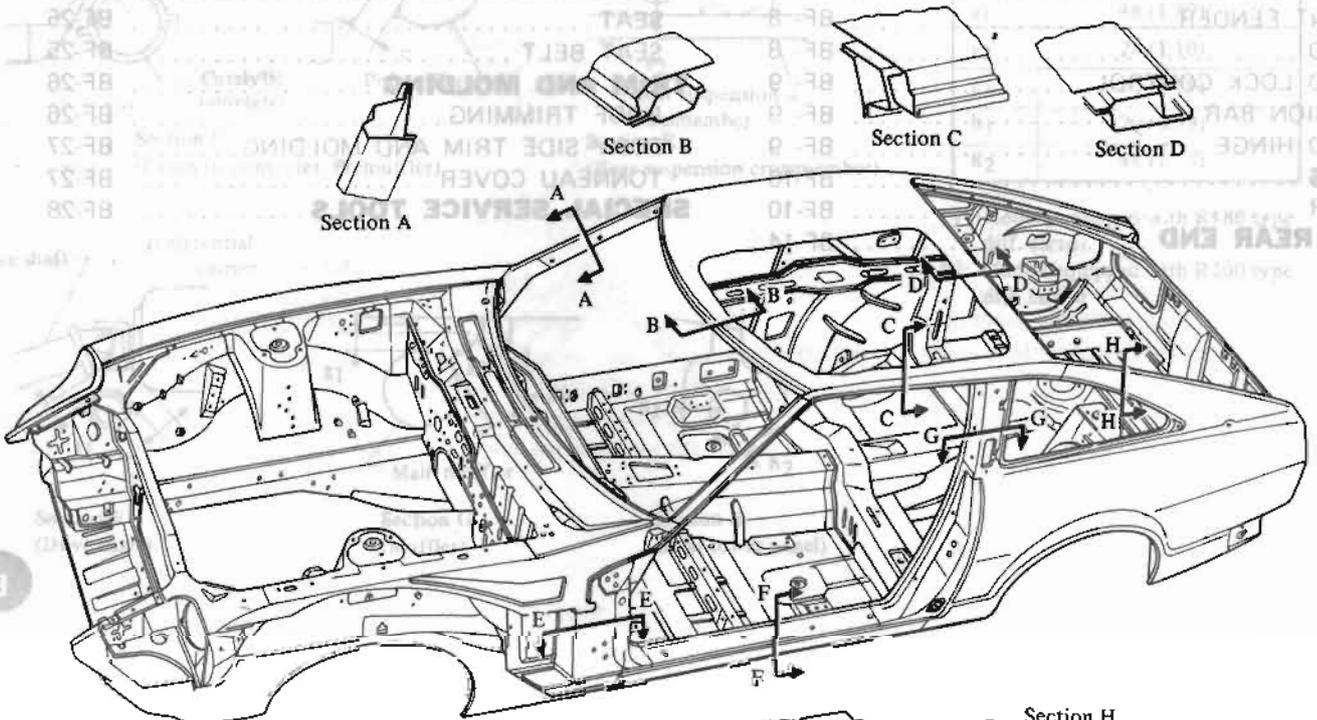
BF

Model 2130 Series

BODY CONSTRUCTION



BF6388
Fig. BF-1 Body Construction (2 seater)



BF639B
Fig. BF-2 Body Construction (2 + 2 seater)

INSPECTION

BODY ALIGNMENT

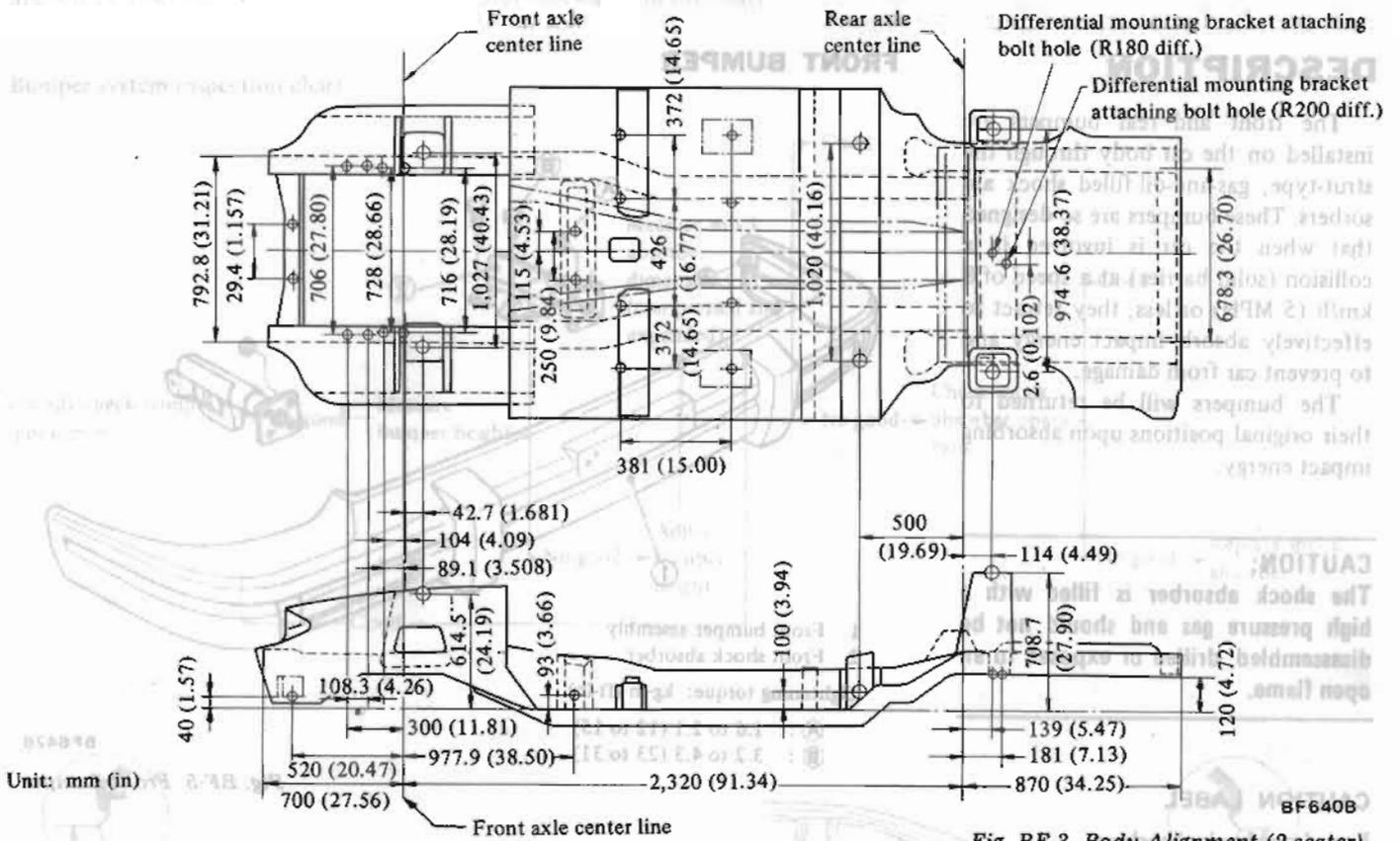


Fig. BF-3 Body Alignment (2 seater)

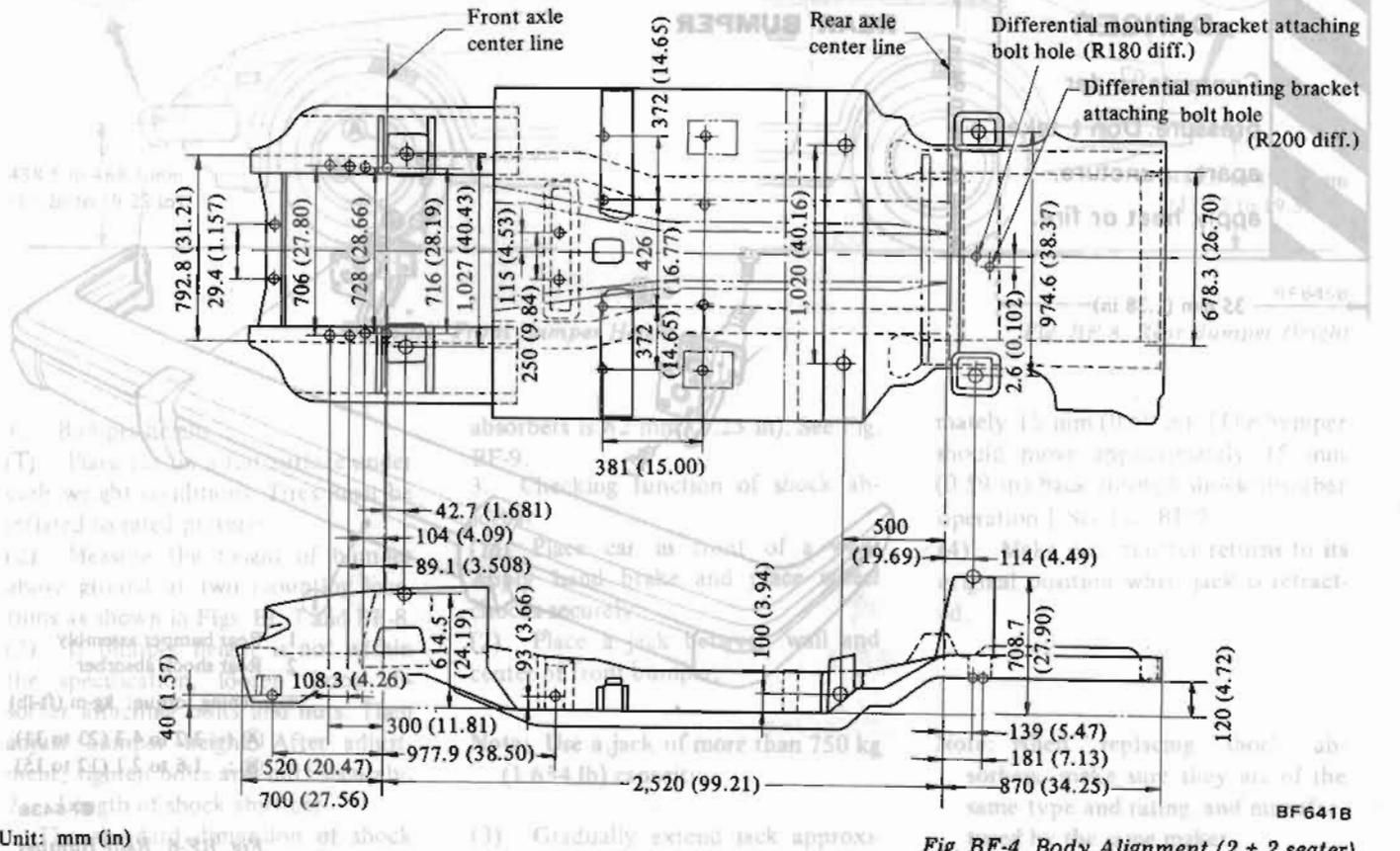


Fig. BF-4 Body Alignment (2 + 2 seater)

FRONT BUMPER

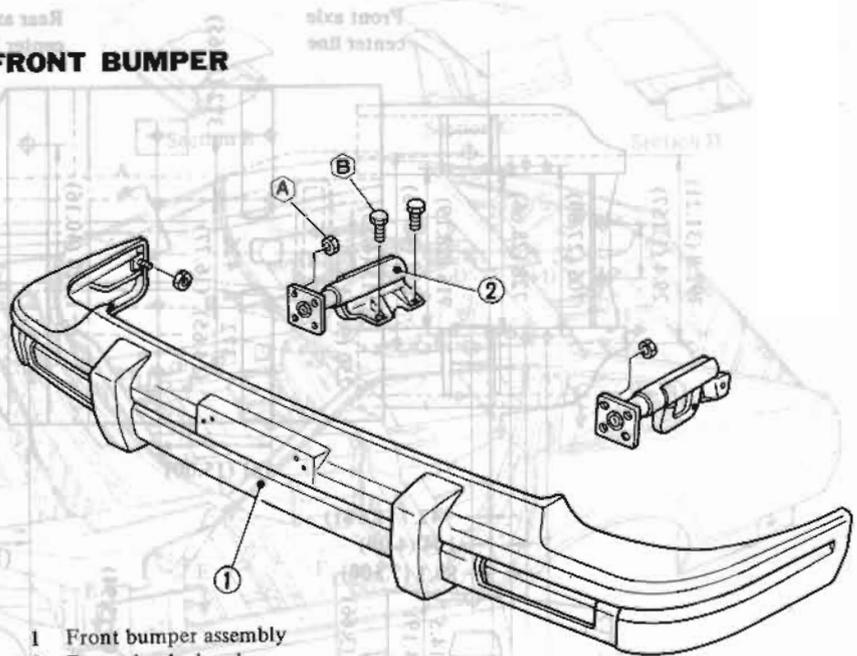
DESCRIPTION

The front and rear bumpers are installed on the car body through the strut-type, gas-and-oil-filled shock absorbers. These bumpers are so designed that when the car is involved in a collision (solid barrier) at a speed of 8 km/h (5 MPH) or less, they retract to effectively absorb impact energy and to prevent car from damage.

The bumpers will be returned to their original positions upon absorbing impact energy.

CAUTION:

The shock absorber is filled with a high pressure gas and should not be disassembled, drilled or exposed to an open flame.



- 1 Front bumper assembly
- 2 Front shock absorber

Tightening torque: kg-m (ft-lb)

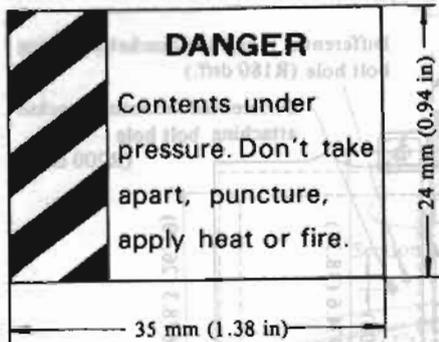
- (A) : 1.6 to 2.1 (12 to 15)
- (B) : 3.2 to 4.3 (23 to 31)

BF642B

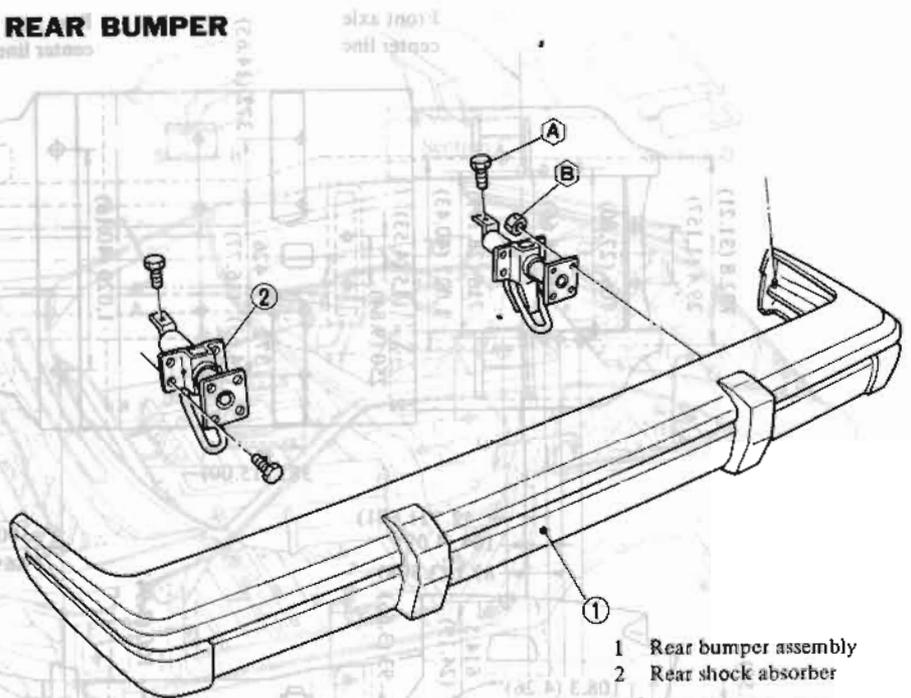
Fig. BF-5 Front Bumper

CAUTION LABEL

Pasted on shock absorbers



REAR BUMPER



- 1 Rear bumper assembly
- 2 Rear shock absorber

Tightening torque: kg-m (ft-lb)

- (A) : 3.2 to 4.3 (23 to 31)
- (B) : 1.6 to 2.1 (12 to 15)

BF643B

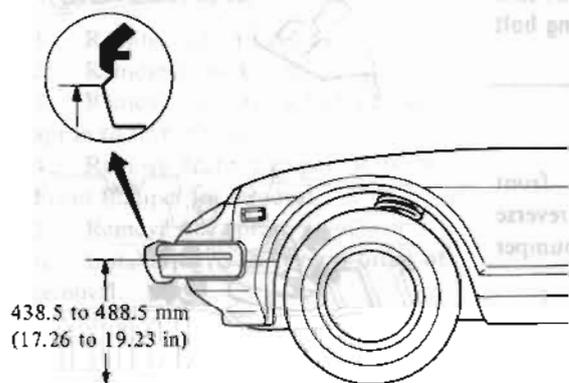
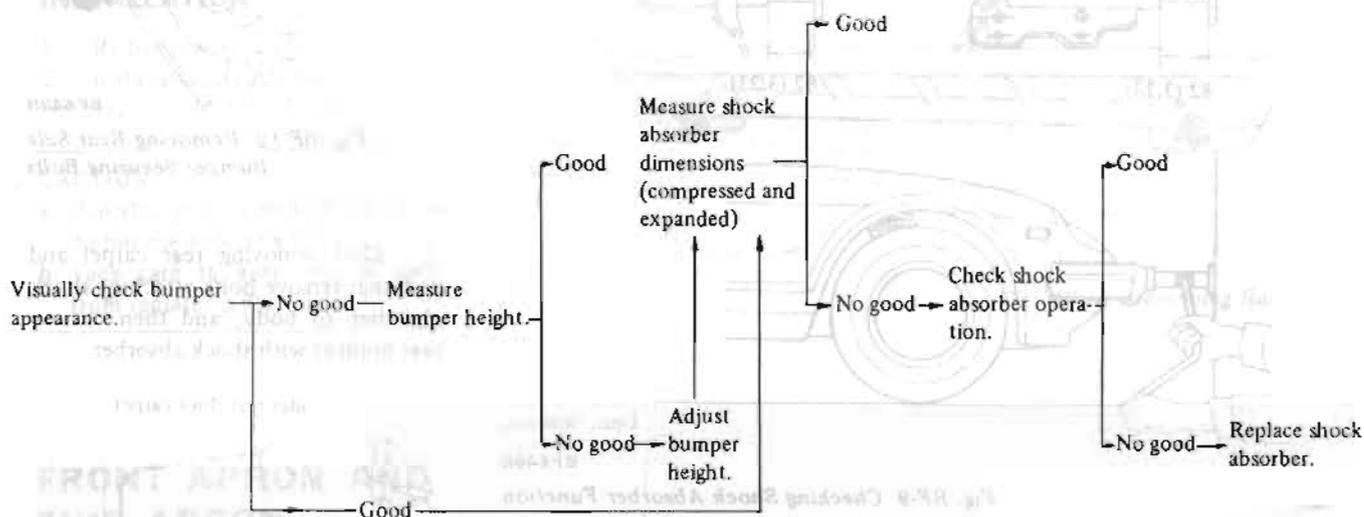
Fig. BF-6 Rear Bumper

INSPECTION

To inspect condition of bumper and shock absorber, utilize the following

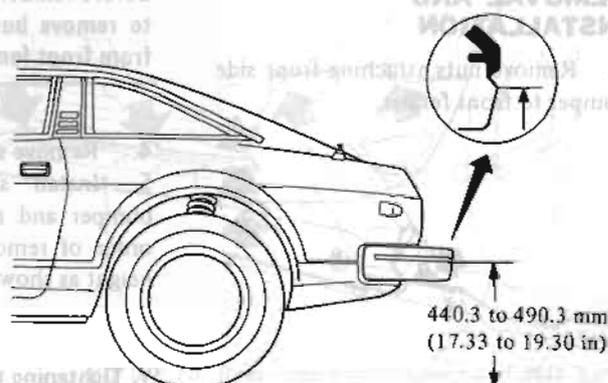
chart as a guide and proceed in the order indicated in the chart.

Bumper system inspection chart



BF644B

Fig. BF-7 Front Bumper Height



BF645B

Fig. BF-8 Rear Bumper Height

1. Bumper height

(1) Place car on a flat surface under curb weight conditions. Tires must be inflated to rated pressure.

(2) Measure the height of bumper above ground at two mounting locations as shown in Figs. BF-7 and BF-8.

(3) If bumper height is not within the specification, loosen shock absorber attaching bolts and nuts. Then adjust bumper height. After adjustment, tighten bolts and nuts securely.

2. Length of shock absorber

The standard dimension of shock

absorbers is 82 mm (3.23 in). See Fig. BF-9.

3. Checking function of shock absorber

(1) Place car in front of a wall. Apply hand brake and place wheel chocks securely.

(2) Place a jack between wall and center of front bumper.

Note: Use a jack of more than 750 kg (1,654 lb) capacity.

(3) Gradually extend jack approxi-

mately 15 mm (0.59 in). [The bumper should move approximately 15 mm (0.59 in) back through shock absorber operation.] See Fig. BF-9.

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

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

(5) For rear bumper, utilize the same procedures as described for front bumper.

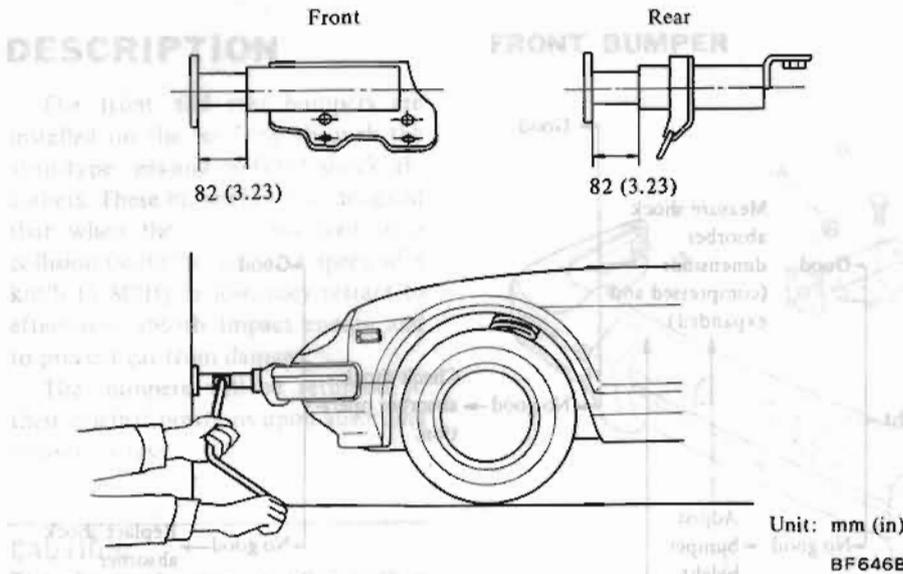
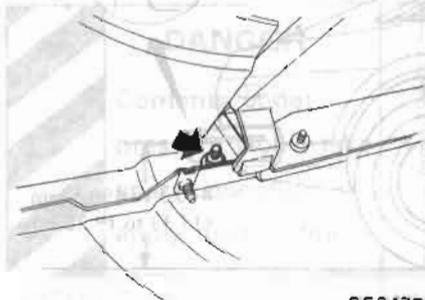


Fig. BF-9 Checking Shock Absorber Function

FRONT BUMPER

REMOVAL AND INSTALLATION

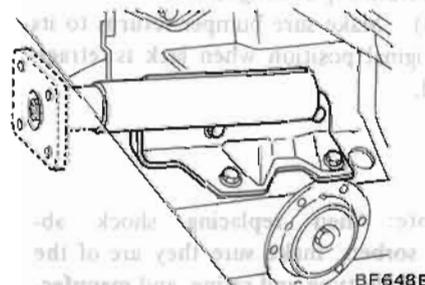
1. Remove nuts attaching front side bumper to front fender.



BF647B

Fig. BF-10 Removing Front Side Bumper Securing Nuts

2. Remove radiator grille.
3. Disconnect front combination lamp harness connectors and remove front bumper with shock absorber.



BF648B

Fig. BF-11 Removing Front Bumper

CAUTION:

Before removing front bumper, be sure to remove bumper side attaching bolt from front fender.

4. Remove shock absorbers.
5. Install shock absorbers, front bumper and radiator grille in reverse order of removal, and adjust bumper height as shown in Fig. BF-7.

Tightening torque:

Bumper to shock absorber attaching bolt

1.6 to 2.1 kg-m
(12 to 15 ft-lb)

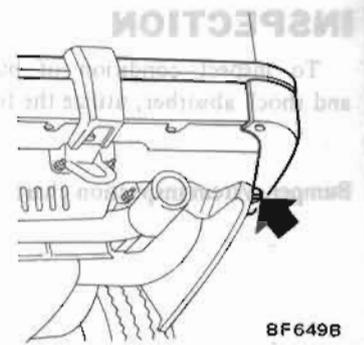
Shock absorber to body attaching bolt

3.2 to 4.3 kg-m
(23 to 31 ft-lb)

REAR BUMPER

REMOVAL AND INSTALLATION

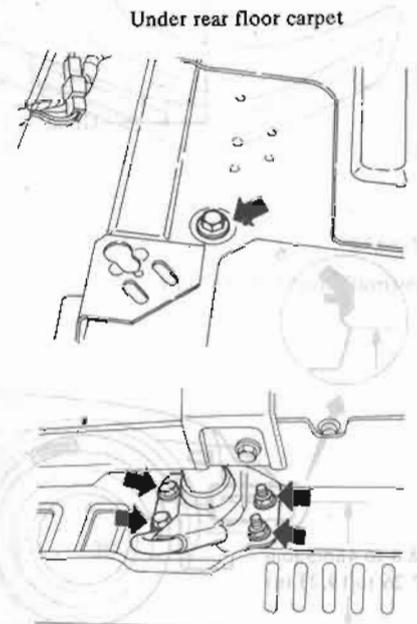
1. Remove bolts attaching rear side bumper to rear fender.



BF649B

Fig. BF-12 Removing Rear Side Bumper Securing Bolts

2. After removing rear carpet and padding, remove bolts attaching shock absorber to body, and then remove rear bumper with shock absorber.



BF650B

Fig. BF-13 Removing Shock Absorber

3. Remove shock absorber.
4. Install shock absorbers and rear bumper in reverse order of removal, and adjust bumper height as shown in Fig. BF-8.

Tightening torque:

Bumper to shock absorber attaching bolt

1.6 to 2.1 kg-m
(12 to 15 ft-lb)

Shock absorber to body attaching bolt

3.2 to 4.3 kg-m
(23 to 31 ft-lb)

BODY FRONT END

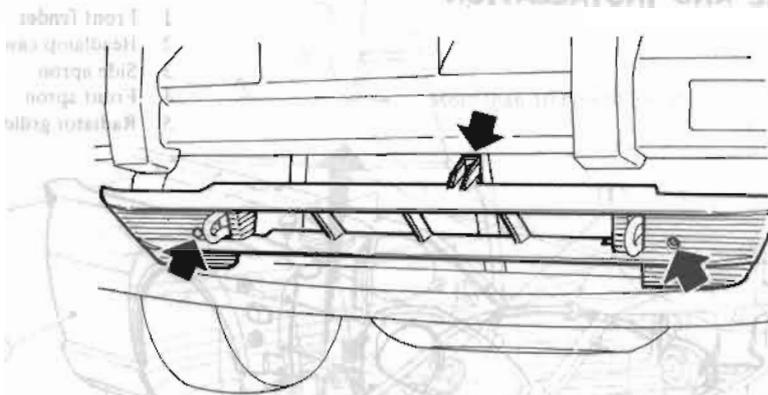
RADIATOR GRILLE

REMOVAL AND INSTALLATION

1. Remove radiator grille.
2. Installation is in reverse order of removal.

CAUTION:

- a. Radiator grille is made of plastic, so do not use excessive force.
- b. Take care to keep any oil away from radiator grille.



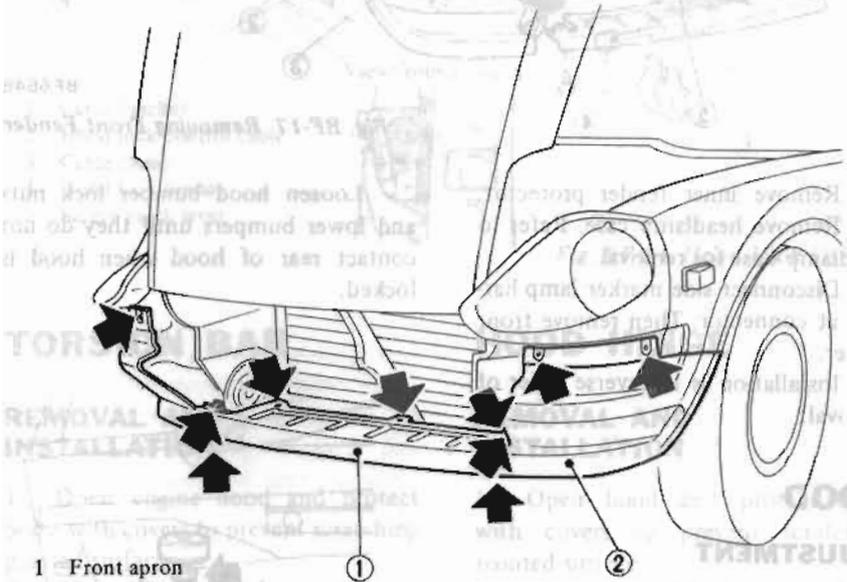
BF651B

Fig. BF-14 Removing Radiator Grille

FRONT APRON AND SIDE APRON

REMOVAL AND INSTALLATION

1. Remove radiator grille.
2. Remove front apron.
3. Remove screws attaching side apron to front fender.
4. Remove front bumper. Refer to Front Bumper for removal.
5. Remove side apron.
6. Installation is in reverse order of removal.



- 1 Front apron
- 2 Side apron

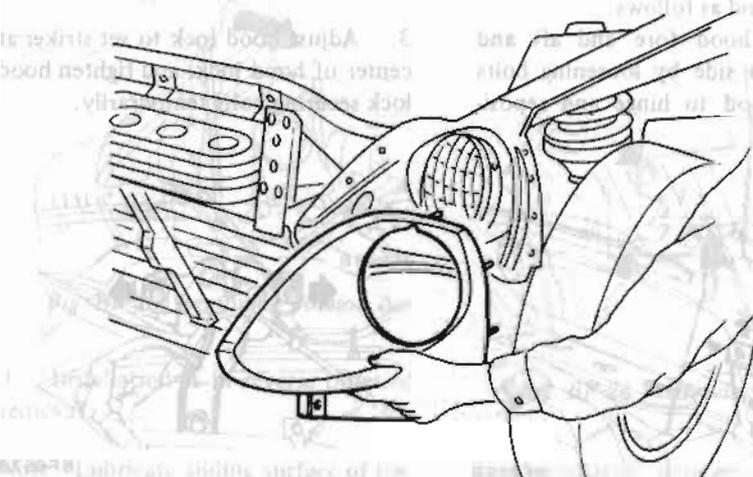
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Fig. BF-15 Removing Front Apron and Side Apron

HEADLAMP CASE

REMOVAL AND INSTALLATION

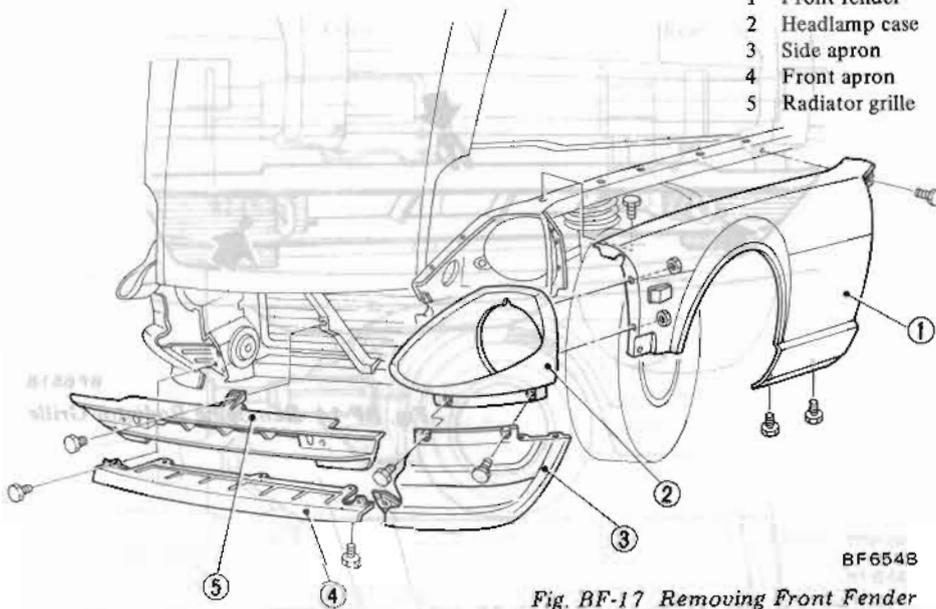
1. Remove front apron and side apron. Refer to Front Apron and Side Apron for removal.
2. Remove headlamp. Refer to Headlamp (Section BE) for removal.
3. Remove inner fender protector.
4. Remove screws securing headlamp case to front fender. Then remove headlamp case.
5. Installation is in reverse order of removal.



BF653B

Fig. BF-16 Removing Headlamp Case

FRONT FENDER REMOVAL AND INSTALLATION



- 1 Front fender
- 2 Headlamp case
- 3 Side apron
- 4 Front apron
- 5 Radiator grille

Fig. BF-17 Removing Front Fender

1. Remove inner fender protector.
2. Remove headlamp case. Refer to Headlamp Case for removal.
3. Disconnect side marker lamp harness at connector. Then remove front fender.
4. Installation is in reverse order of removal.

2. Loosen hood bumper lock nuts and lower bumpers until they do not contact rear of hood when hood is locked.

HOOD ADJUSTMENT

Hood can be adjusted with bolts attaching hood to hinge and hood to hood lock, and hood bumpers. Adjust hood for an even fit between front fenders.

Adjust hood as follows:

1. Adjust hood fore and aft and from side to side by loosening bolts attaching hood to hinge and repositioning hood.

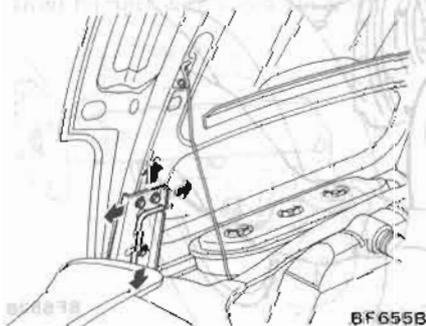


Fig. BF-18 Adjusting Hood

3. Adjust hood lock to set striker at center of hood lock, and tighten hood lock securing bolts temporarily.

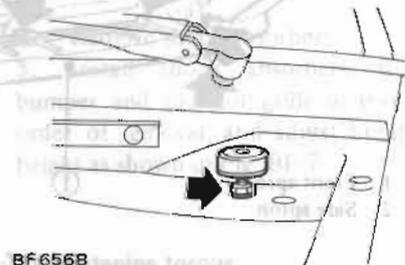


Fig. BF-19 Loosening Hood Bumper Height Nuts

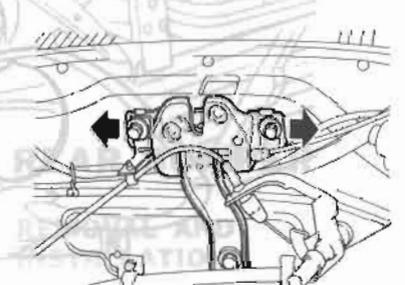


Fig. BF-20 Adjusting Hood Lock

4. Adjust hood up and down by loosening hood hinge to body and hood lock to body attaching bolts to obtain a flush hood with fender.

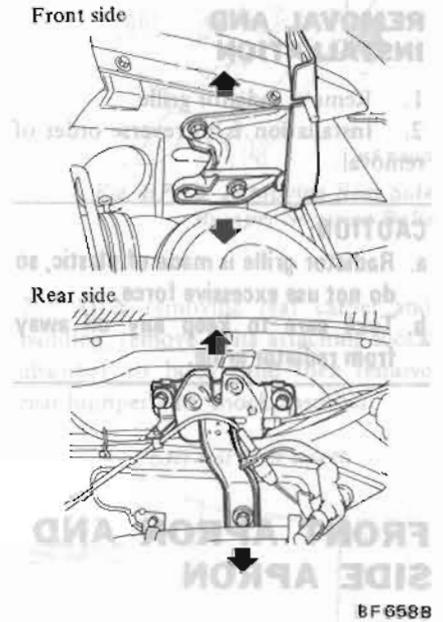
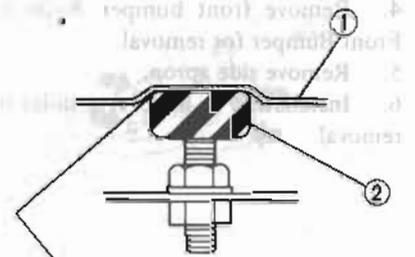


Fig. BF-21 Adjusting Hood (Up and Down)

5. Raise bumpers until they contact rear of hood when hood is locked.



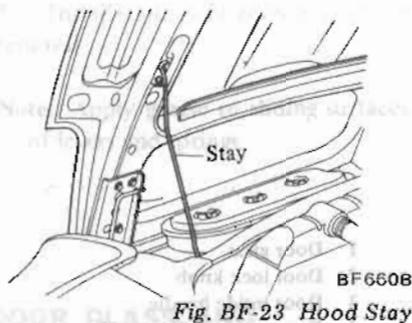
Be sure to contact this portion.

- 1 Hood
- 2 Hood bumper rubber

Fig. BF-22 Adjusting Hood Bumper Height

6. Tighten hood hinge and hood lock securing bolts after proper adjustment has been obtained.

CAUTION:
When opening hood, be sure to use hood stay as shown in Fig. BF-23.



BF660B
Fig. BF-23 Hood Stay

REMOVAL AND INSTALLATION

1. Open hood and protect body with covers to prevent scratching painted surface.
2. Mark hood hinge locations on hood for proper reinstallation.
3. Holding both sides of hood, unscrew bolts securing hinge to hood, and remove hood. This operation requires two men.
4. Installation is in reverse order of removal.

ⓘ Tightening torque:

Hood to hinge securing bolt
0.8 to 1.1 kg-m
(5.8 to 8.0 ft-lb)

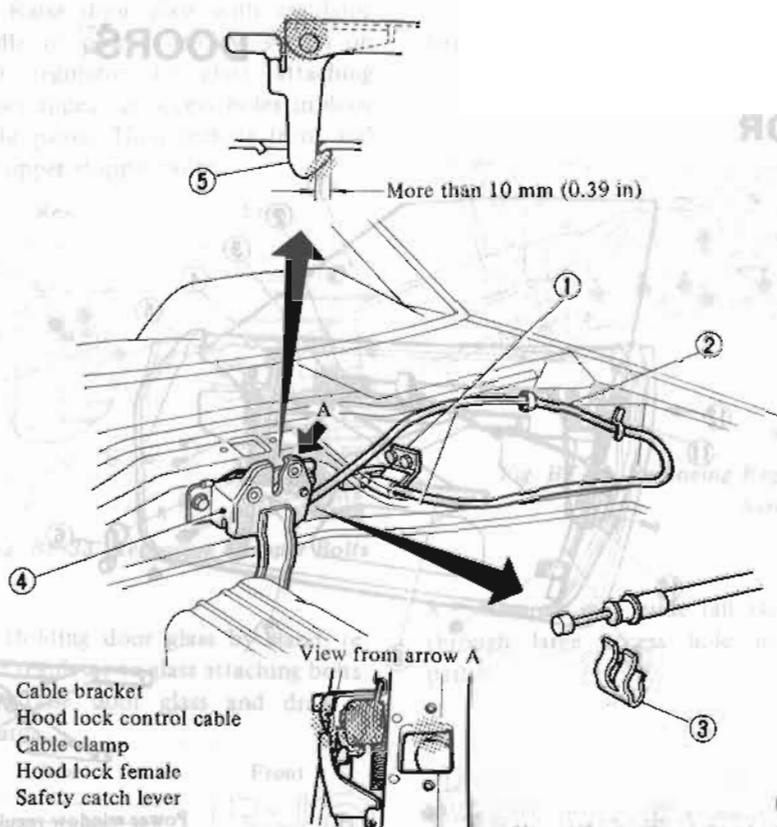
HOOD LOCK CONTROL

REMOVAL AND INSTALLATION

1. Disconnect control cable from hood lock.
2. Remove instrument lower cover and then remove cable bracket securing bolts and cable clip; draw cable out through passenger compartment.
3. Remove hood lock.
4. Install hood lock control in reverse order of removal, referring to Hood Adjustment.
5. Check hood lock control operation. Make sure safety catch lever retains body properly when hood lock is disengaged.

Note:

- a. Lubricate safety catch lever, return spring, lift spring and hood lock inserting portion into striker as shown in Fig. BF-24.
- b. Inspect safety catch lever, return spring and, lift spring for deformation, fatigue or rusting.



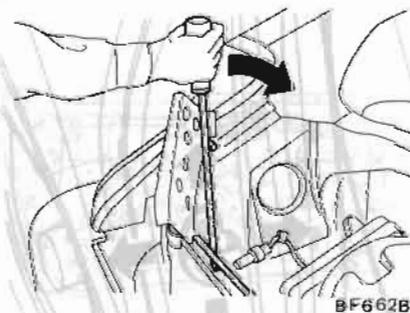
- 1 Cable bracket
- 2 Hood lock control cable
- 3 Cable clamp
- 4 Hood lock female
- 5 Safety catch lever

BF661B
Fig. BF-24 Hood Lock Control

TORSION BAR

REMOVAL AND INSTALLATION

1. Open engine hood and protect body with covers to prevent scratching painted surface.
2. Support hood and remove each torsion bar by disengaging end of torsion bar from hood hinge. Use a suitable screwdriver.



BF662B
Fig. BF-25 Removing Torsion Bar

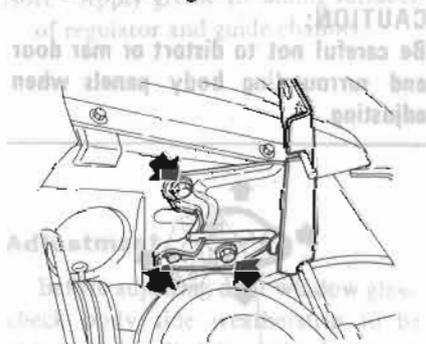
3. Installation is in reverse order of removal.

Note: Lubricate sliding surface of torsion bar.

HOOD HINGE

REMOVAL AND INSTALLATION

1. Open hood and protect body with covers to prevent scratching painted surface.
2. Remove hood. Refer to Hood for removal.
3. Remove torsion bars. Refer to Torsion Bar for removal.
4. Remove hinge.



BF663B
Fig. BF-26 Removing Hood Hinge

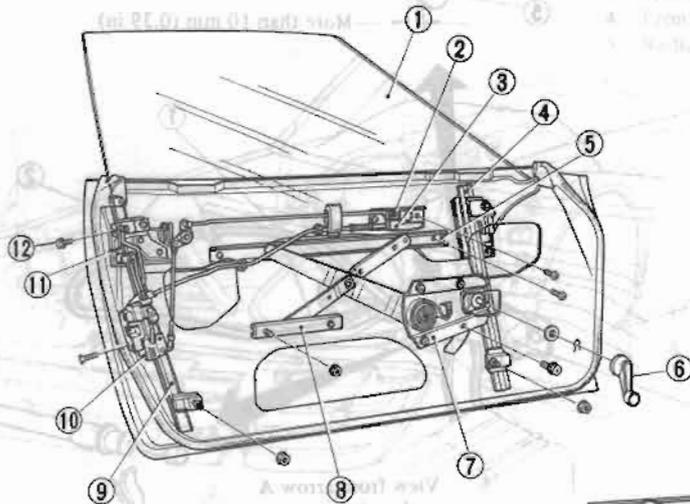
5. Installation is in reverse order of removal.

FRONT FENDER

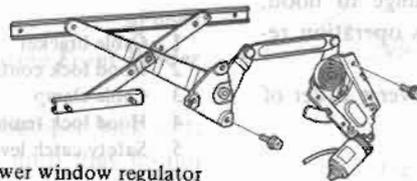
REMOVAL AND INSTALLATION

DOOR

DOORS



- 1 Door glass
- 2 Door lock knob
- 3 Door inside handle
- 4 Front guide rail assembly
- 5 Guide channel A
- 6 Regulator handle
- 7 Regulator assembly
- 8 Guide channel B
- 9 Rear guide rail assembly
- 10 Door lock assembly
- 11 Door outside handle
- 12 Rear guide rail upper securing bolt



Power window regulator

BF664B

Fig. BF-27 Door

ADJUSTMENT

Proper door alignment can be obtained by adjusting door hinge and door lock striker.

Door hinge and striker can be moved up and down and fore and aft in enlarged holes by loosening attaching bolts.

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

CAUTION:

Be careful not to distort or mar door and surrounding body panels when adjusting.

1. Remove front fender. Refer to Front Fender for removal.
2. Adjust door fore and aft and up and down to provide proper fit to body opening by loosening attaching bolts.
3. Adjust door lock striker up and down or in and out by loosening attaching bolts until it aligns with door lock.

REMOVAL AND INSTALLATION

1. Remove instrument lower cover.
2. Remove side dash trim and disconnect power window and door mirror harness at connector.
3. Open door fully and support it with a stand or jack.

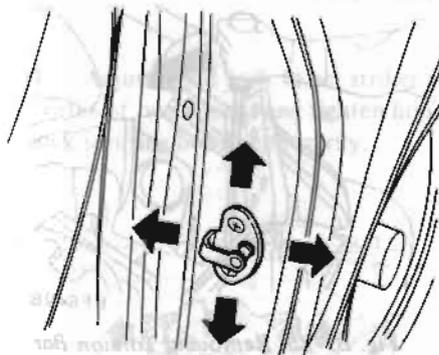
Note: Place a rag between door and stand or jack to protect door panel from being scarred.

4. Remove door from hinges.



BF665B

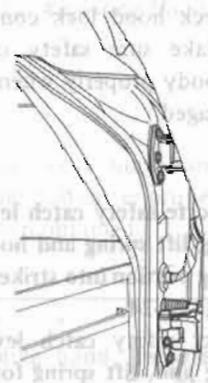
Fig. BF-28 Adjusting Door Alignment



BF666B

Fig. BF-29 Adjusting Door Lock Striker

4. Install front fender. Refer to Front Fender for installation.



BF667B

Fig. BF-30 Removing Door

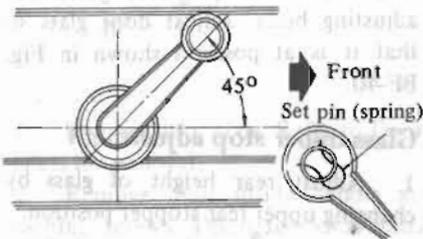
5. Installation is in reverse order of removal.

Note: Apply grease to sliding surfaces of levers and springs.

DOOR GLASS AND REGULATOR

Removal and installation

1. Remove regulator handle by prying out set pin.

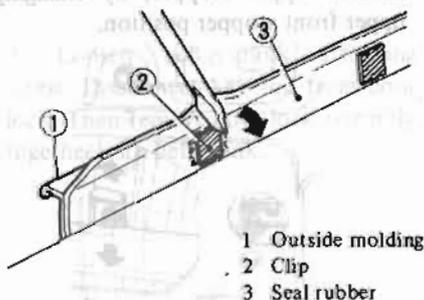


BF507B

Fig. BF-31 Regulator Handle and Set Pin

2. Remove arm rest, door inside handle escutcheon, power window switch escutcheon (if so equipped), door finisher and sealing screen.

3. Lower door glass as far as possible with regulator handle or power window switch on. Using suitable tool, turn outside molding retaining clips 90°. Then remove.

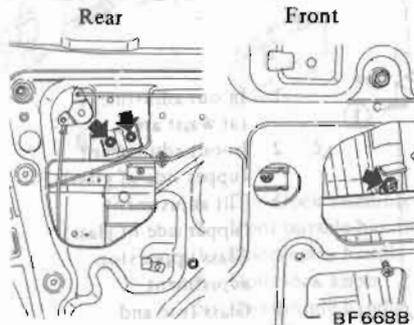


BF286B

Fig. BF-32 Removing Door Outside Molding

Note: Clips are made of resin; do not apply excessive force to them.

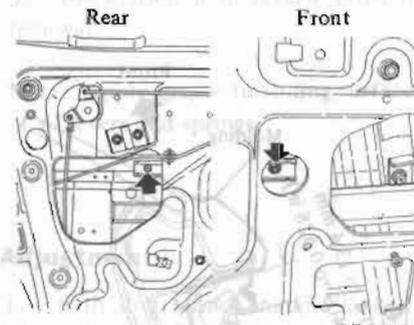
4. Raise door glass with regulator handle or power window switch until regulator to glass attaching screws appear at access holes in door inside panel. Then remove front and rear upper stopper bolts.



BF668B

Fig. BF-33 Removing Stopper Bolts

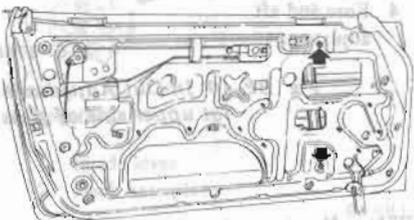
5. Holding door glass by hand, remove regulator to glass attaching bolts. Then raise door glass and draw it upwards.



BF669B

Fig. BF-34 Removing Door Glass

6. Remove front guide rail assembly through large access hole in door panel.

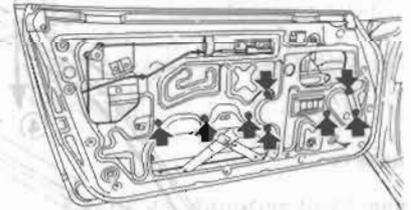


BF670B

Fig. BF-35 Removing Front Guide Rail

7. In models with power windows, disconnect harness connector. Then

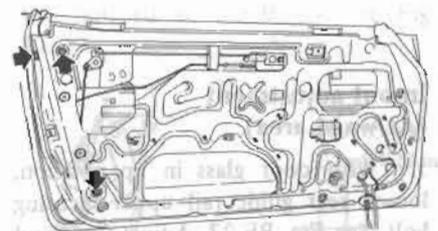
remove regulator assembly through large access hole in door panel.



BF671B

Fig. BF-36 Removing Regulator Assembly

8. Remove rear guide rail assembly through large access hole in door panel.



BF672B

Fig. BF-37 Removing Rear Guide Rail

9. Installation is in reverse order of removal.

Note: Apply grease to sliding surfaces of regulator and guide channel.

Adjustment

Before adjusting door window glass, check body side weatherstrip to be sure it is installed properly. Improper installation may cause water or dust leaks.

Proper window glass adjustment can be performed as follows: See Fig. BF-38.

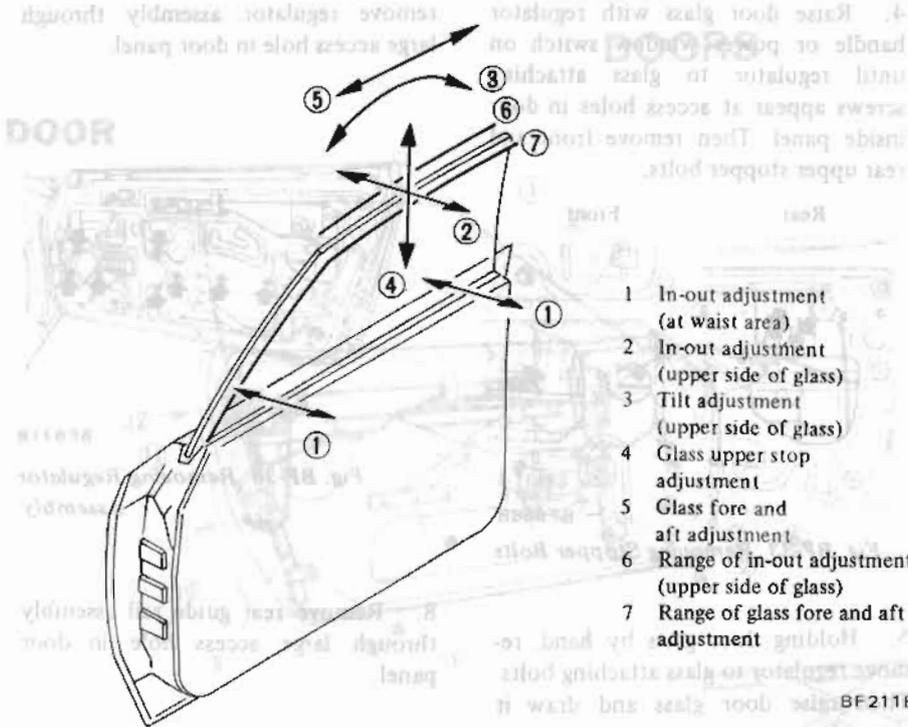


Fig. BF-38 Door Window Glass Adjustment

**In-out adjustment
(At waist area)**

1. With door glass in up position, loosen rear guide rail upper securing bolt. See Fig. BF-27. Adjust front and rear upper adjusting bolts so that glass will push molding upper seal by 1 mm (0.04 in).
2. After adjusting clearance, tighten upper adjusting bolts.

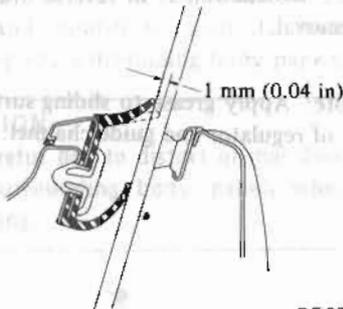
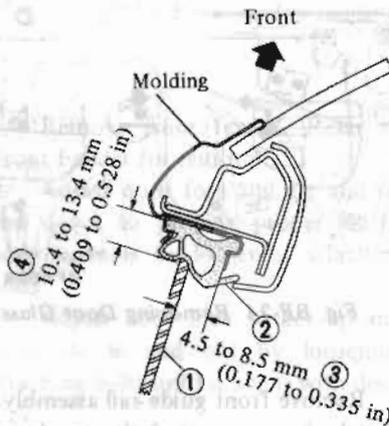


Fig. BF-39 In-Out Adjustment
(at waist area)

**In-out adjustment
(Upper side of glass)**

With lower adjusting bolts, adjust upper edge of glass as shown in Fig. BF-40.



- 1 Door glass
- 2 Body side weatherstrip
- 3 In-out adjustment (Upper side of glass)
- 4 Fore and aft adjustment

Fig. BF-40 In-Out Adjustment
(at upper side of glass)

**Tilt adjustment
(Upper side of glass)**

1. Loosen, front and rear upper stopper securing bolts and front and rear guide rail adjusting nuts.
2. Adjust door regulator so that upper side of glass is parallel with body side weatherstrip.

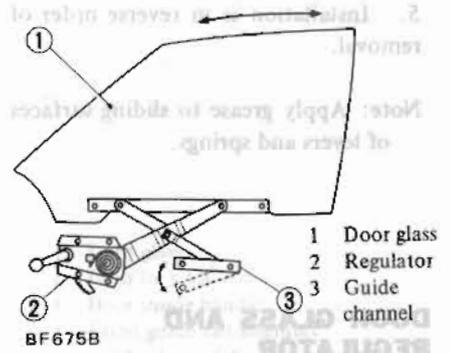


Fig. BF-41 Tilt Adjustment at
Upper Side of Glass

3. After adjusting, tighten adjusting nuts and bolts.

Fore and aft adjustment

Loosen front and rear guide rail adjusting bolts. Adjust door glass so that it is at position shown in Fig. BF-40.

Glass upper stop adjustment

1. Adjust rear height of glass by changing upper rear stopper position.

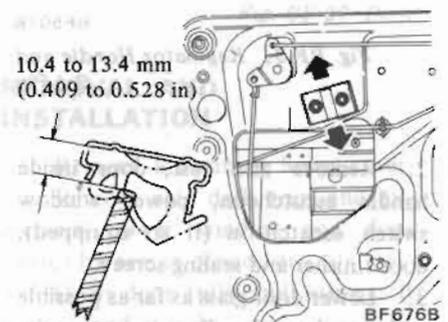


Fig. BF-42 Adjusting Upper Rear
Stopper

2. Adjust front height of glass, same as rear upper stopper, by changing upper front stopper position.

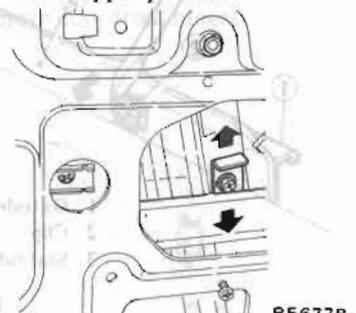
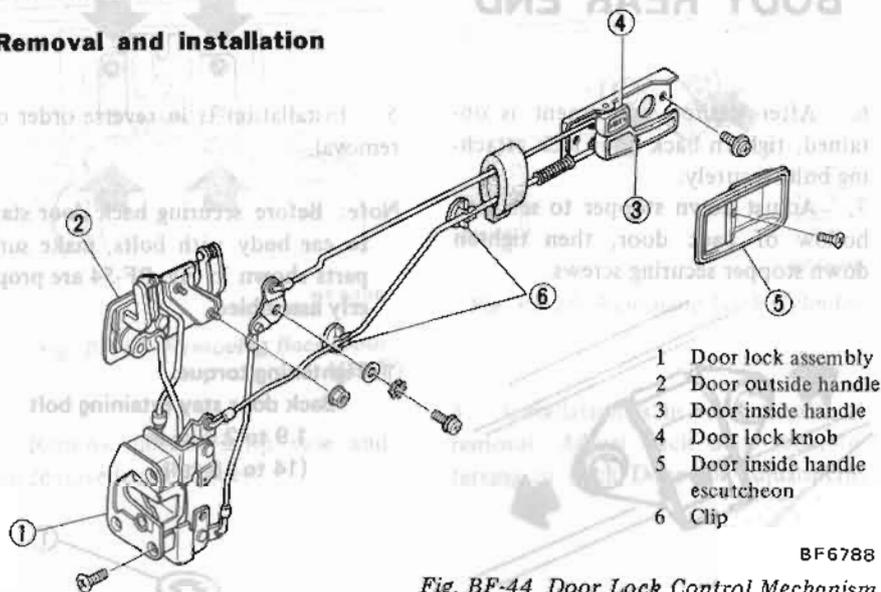


Fig. BF-43 Adjusting Upper Front
Stopper

After entire adjustment is made, make sure that each adjustment is within the specified limit.

DOOR LOCK AND LOCK CONTROL

Removal and installation



- 1 Door lock assembly
- 2 Door outside handle
- 3 Door inside handle
- 4 Door lock knob
- 5 Door inside handle escutcheon
- 6 Clip

BF6788

Fig. BF-44 Door Lock Control Mechanism

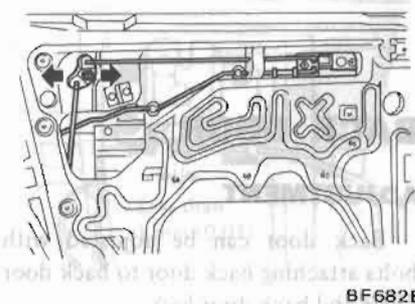
1. Remove door glass. Refer to Door Glass for removal.
2. Remove door inside handle attaching screws. Disengage knob rods from rod holders on bell crank and door lock. Then remove door inside handle assembly.

4. Remove door outside handle.
5. Installation is in reverse order of removal.

Note: Apply grease to sliding surfaces of levers and springs.

Adjustment

1. With door inside handle locked, adjust door inside handle so that lock side inside lever can touch lock base plate. After adjustment is made, secure door inside handle.

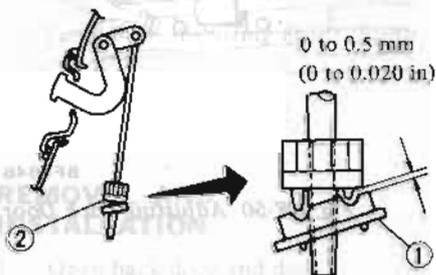


BF682B

Fig. BF-48 Adjusting Bell Crank

3. Adjust door outside handle rod as follows: Adjust door outside handle rod to back door lock. Then adjust door outside handle rod to back door hinge. To make side-to-side adjustment, adjust door outside handle rod to back door hinge. Door outside handle adjustment can be accomplished by adjusting the clearance between door lock lever and adjusting nut (nylon) located on door outside handle rod.

To adjust door outside handle, turn adjusting nut clockwise or counterclockwise to obtain a clearance of 0 to 0.5 mm (0 to 0.020 in). See Fig. BF-49.

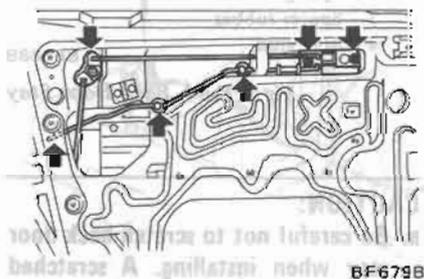


0 to 0.5 mm
(0 to 0.020 in)

- 1 Lever at door lock
- 2 Adjusting nut

BF683B

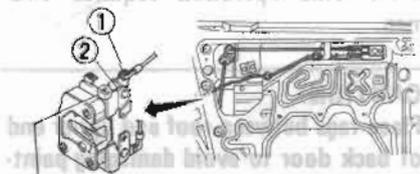
Fig. BF-49 Adjusting Handle Free Play



BF679B

Fig. BF-45 Removing Door Inside Handle

3. Loosen bell crank attaching screw. Disconnect key rod from door lock. Then remove door lock assembly together with bell crank.



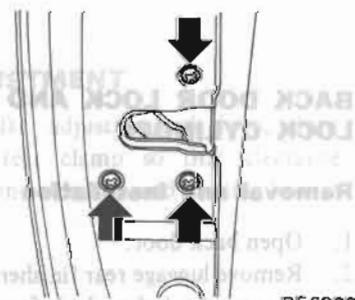
Contact this portion.

- 1 Inside lever
- 2 Lock base plate

BF681B

Fig. BF-47 Adjusting Door Inside Handle

2. With lock knob in lock position, adjust bell crank so that play of lock knob is minimum. Then secure bell crank.



BF680B

Fig. BF-46 Removing Door Lock

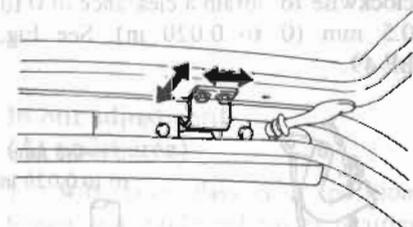
BODY REAR END

BACK DOOR

ADJUSTMENT

Back door can be adjusted with bolts attaching back door to back door hinge and back door lock.

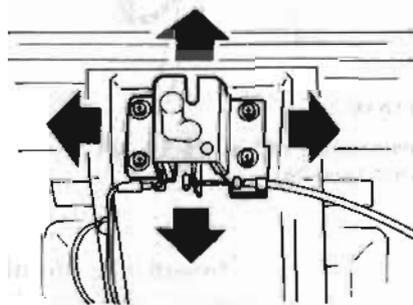
1. Loosen bolts attaching back door to back door hinge.
2. To make side-to-side adjustment, move back door to left or right as required to obtain an equal clearance between back door and rear fender on both sides.
3. To make fore-and-aft adjustment, move back door in fore-and-aft direction as required to obtain an equal clearance between back door and roof.



BF684B

Fig. BF-50 Adjusting Back Door

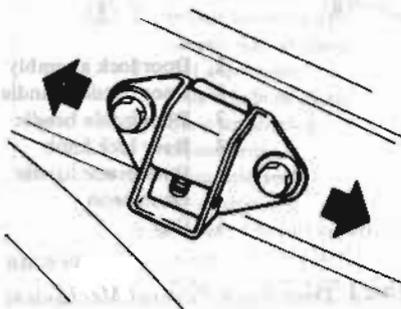
4. After alignment is properly made, tighten bolts securely.
5. To obtain a snug fit between back door and weatherstrip, loosen down stopper securing screws. Loosen back door lock attaching bolts enough to move lock, working lock up or down and from side to side as required.



BF685B

Fig. BF-51 Adjusting Back Door Lock

6. After desired adjustment is obtained, tighten back door lock attaching bolts securely.
7. Adjust down stopper to set with hollow of back door, then tighten down stopper securing screws.



BF686B

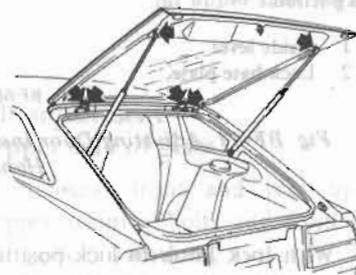
Fig. BF-52 Adjusting Down Stopper

REMOVAL AND INSTALLATION

1. Open back door.
2. Mark hinge locations on body for proper reinstallation.
3. Support back door by hand and remove back door to back door stay bolts. Remove rear roof rail trim and disconnect rear defogger and rear window wiper harness connector and hose.
4. Support back door by hand and remove back door to back door hinge attaching bolts. Then remove back door. This operation requires two men.

CAUTION:

Place rags between roof and upper end of back door to avoid damaging painted surfaces.



BF687B

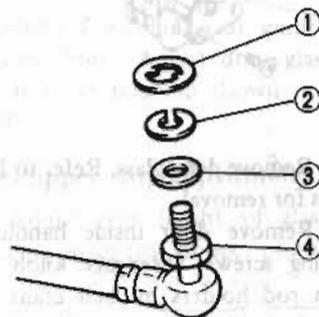
Fig. BF-53 Removing Back Door

5. Installation is in reverse order of removal.

Note: Before securing back door stay to car body with bolts, make sure parts shown in Fig. BF-54 are properly assembled.

Tightening torque:

Back door stay retaining bolt
1.9 to 2.5 kg-m
(14 to 18 ft-lb)



- 1 Stopper ring
- 2 Spring washer
- 3 Spacer rubber
- 4 Stay stud

BF688B

Fig. BF-54 Back Door Stay

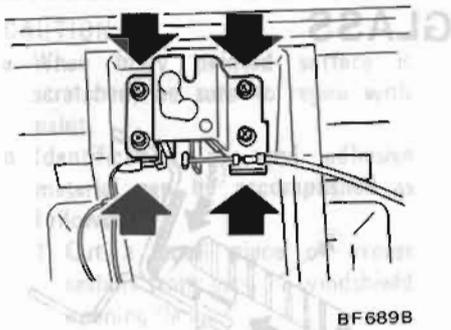
CAUTION:

- a. Be careful not to scratch back door stay when installing. A scratched stay may cause gas leakage.
- b. Back door stay contents are under pressure. Do not take apart, puncture, apply heat or fire.

BACK DOOR LOCK AND LOCK CYLINDER

Removal and installation

1. Open back door.
2. Remove luggage rear finisher.
3. Remove back door lock from rear panel.

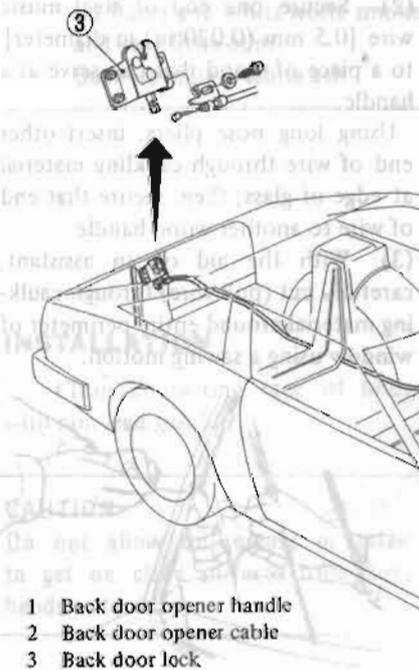


BF689B

Fig. BF-55 Removing Back Door Lock

4. Remove license lamp case and then remove lock cylinder.

BACK DOOR OPENER



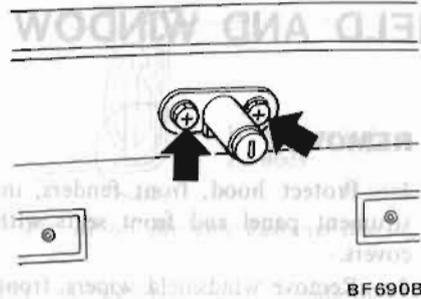
BF6918

Fig. BF-57 Back Door Opener

ADJUSTMENT

1. After adjusting back door, adjust cable rear clamp so that clearance between cable end and locking lever is

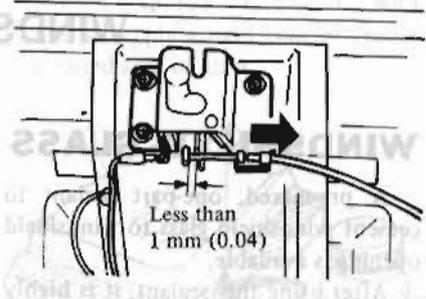
less than 1.0 mm (0.039 in) with back door locked. Then tighten clamp securing bolt.



BF690B

Fig. BF-56 Removing Lock Cylinder

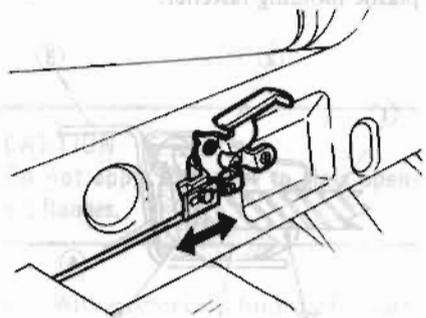
5. Installation is in reverse order of removal. Adjust back door lock, referring to Back Door for adjustment.



BF692B

Fig. BF-58 Adjusting Rear Clamp

2. Adjust cable front clamp and tighten.



BF693B

Fig. BF-59 Adjusting Front Clamp

REMOVAL AND INSTALLATION

1. Open back door and door.
2. Loosen lap-shoulder belt securing bolt and remove seat belt plate.
3. Remove instrument lower cover and side dash trim, then remove kicking plate and turn up floor carpet.
4. Remove rear seat, referring to Rear Seat for removal.
5. Remove front side body trim and wheel house trim.
6. Remove rear panel finisher, body side rear finisher and padding.
7. Remove back door lock.
8. Disconnect back door lock opener cable from back door lock.
9. Remove back door opener handle with cable.
10. Installation is in reverse order of removal.

WARNING
 Keep feet of open flames away
 as Primers are flammable.

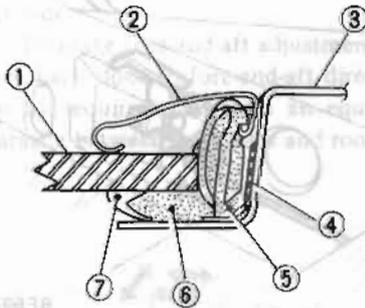
WINDSHIELD AND WINDOW GLASS

WINDSHIELD GLASS

A pre-mixed, one-part sealant to cement windshield glass to windshield opening is available.

After using this sealant, it is highly recommended that the car should remain stationary for about 24 hours so that the sealant can cure well.

Upper and lower windshield moldings are installed with a continuous plastic molding fastener.



- 1 Windshield glass
- 2 Windshield molding
- 3 Body
- 4 Double-faced adhesive tape
- 5 Molding fastener
- 6 Sealant
- 7 Dam

BF694B

Fig. BF-60 Adhesive Caulked Windshield Glass

CAUTION:

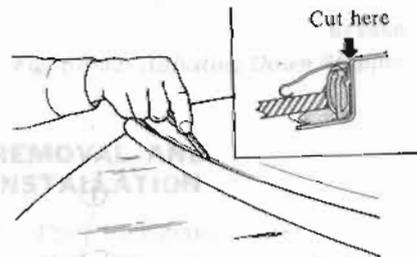
- a. Use Genuine Nissan Sealant Kit "72891Y1625" or equivalent. Sealant kit consists of Primer-A, Primer-E, dam, caution label and sealant which is made from silicone. Using this kit, proceed to operations described in removal and installation.
- b. Do not use sealant if it is more than six-months old.
- c. Open cartridge only at the time of use.
- d. 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.

REMOVAL

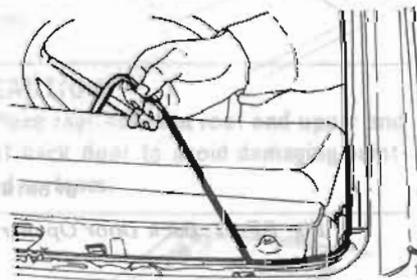
1. Protect hood, front fenders, instrument panel and front seats with covers.
2. Remove windshield wipers, front pillar garnishes and windshield garnish. Refer to Roof Trimming for removal.
3. Remove front pillar moldings.
4. With a sharp cutting knife, cut off caulking material attached to upper and lower moldings. Then remove moldings.



BF695B

Fig. BF-61 Removing Molding

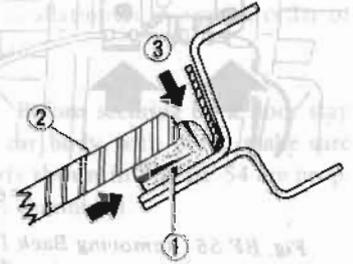
5. Reaching from inside car, strip dam rubber from around windshield glass.



BF288B

Fig. BF-62 Stripping Dam Rubber

6. With a sharp cutting knife, cut off caulking material along edge of entire window opening.



- 1 Adhesive caulking material
- 2 Glass
- 3 Knife cut

BF331B

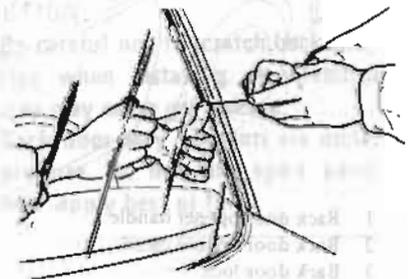
Fig. BF-63 Cutting Off Adhesive Caulking

7. Cut off caulking material around entire perimeter of glass as follows:

- (1) Using a knife, cut through part of caulking material.
- (2) Secure one end of steel music wire [0.5 mm (0.020 in) in diameter] to a piece of wood that can serve as a handle.

Using long nose pliers, insert other end of wire through caulking material at edge of glass; then, secure that end of wire to another wood handle.

- (3) With the aid of an assistant, carefully cut (pull wire) through caulking material around entire perimeter of window using a sawing motion.



BF357B

Fig. BF-64 Cutting Sealant

8. From inside car, push glass up and out of window opening.
9. Using a razor blade or sharp scraper, remove caulking material along entire edge of windshield opening, leaving it about 1.0 to 2.0 mm (0.039 to 0.079 in) thick.

Note: If residual sealant is silicone, remove all traces of it.

CAUTION:

- a. When body painted surface is scratched, be sure to repair with paint.
- b. Identification of used adhesive material can be accomplished as follows:

1) Cut a small piece of excess sealant from glass or windshield opening flange.

2) Stick small piece of sealant on the end of knife or the like, and hold it over flame from match or lighter until it ignites.

- Polysulfide burns with a clear flame and a very small amount of white smoke or no smoke and its odor is very objectionable (heavy sulfur dioxide).

- Polyurethane burns with a dirty flame and emit black smoke and very little odor.

- Silicone glows with little or no flame and emits white smoke and very little odor.
Burnt residue is white ash.

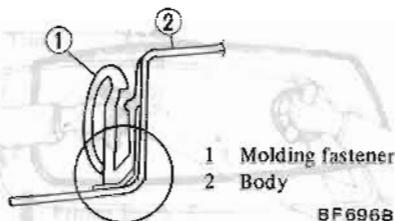


Fig. BF-65 Molding Fastener Setting

(3) Apply glass sealant beside molding fastener.

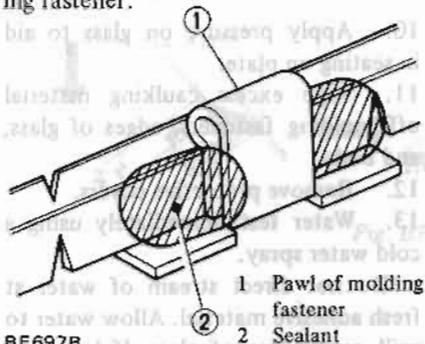


Fig. BF-66 Applying Sealant

3. Clean glass surface where the sealant will be applied and dam with non-lead gasoline.

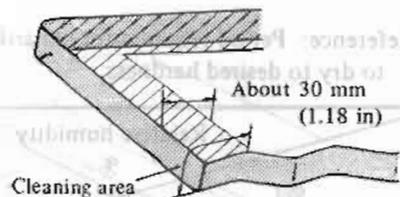


Fig. BF-67 Cleaning Area of Glass

4. Install dam rubber to inside of windshield glass 9 mm (0.35 in) inboard from edge of glass and cut off excess amount at its ends.

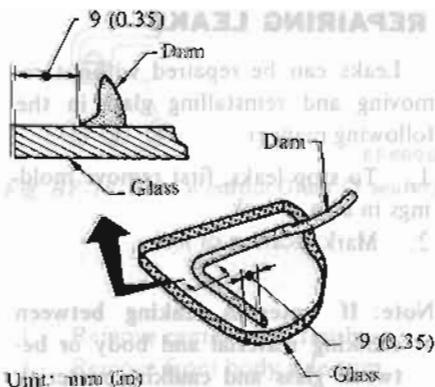


Fig. BF-68 Installing Dam Rubber

5. With sponge furnished with Primer A, apply a light coat of Primer to cleaned area of glass.

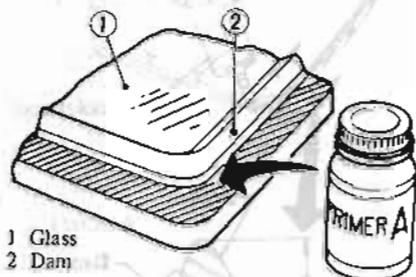


Fig. BF-69 Applying Primer A

CAUTION:

Do not apply Primer A to glass opening flanges.

6. With sponge furnished with Primer E, apply a light coat of Primer to original caulking material left on glass opening flange.



Fig. BF-70 Applying Primer E

Note: If residual sealant is silicone, remove all traces of it.

CAUTION:

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

7. Insert cartridge in Caulking Hand Gun ST08810000 and place smooth, continuous bead on glass 1.1 mm (0.43 in) above glass surfaces.

INSTALLATION

1. Clean contacting face of body with non-lead gasoline.

CAUTION:

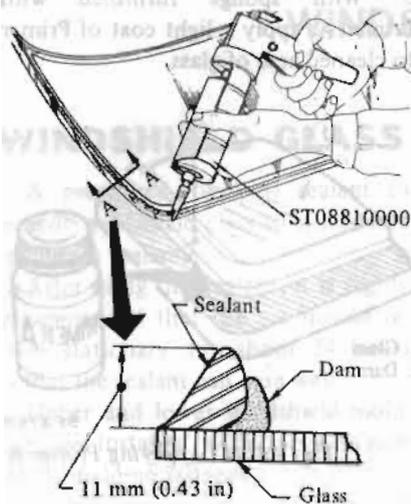
Do not allow oil, grease or water to get on clean surfaces from dirty hands or tools.

2. Install molding fasteners on upper and lower windshield opening as follows:

(1) Heat molding fastener and contacting face of body up to about 40°C (104°F) using a heat gun.

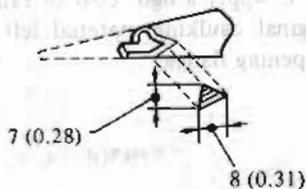
(2) Attach molding fastener to body and press it more than 5 kg/cm² (71 psi) using a suitable roller.

Note: Make certain that molding fastener does not come off from body, as shown below.



Section A-A BF782B
Fig. BF-71 Applying Adhesive Caulking

Note: Cut off nozzle end of cartridge as shown below.



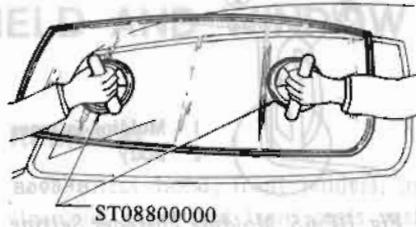
Unit: mm (in) BF957
Fig. BF-72 Cutting Nozzle of Cartridge

Pierce sealing film with needle; install cartridge on hand gun.

CAUTION:

Sealant starts to harden 15 minutes after it is applied; therefore, windshield glass should be installed in windshield opening in body within 15 minutes of applying sealant.

8. Support windshield glass with Sucker ST08800000.
9. Install windshield glass on opening flange so that clearances between windshield glass and body are about 7 mm (0.28 in).



BF335B

Fig. BF-73 Installing Glass

10. Apply pressure on glass to aid in seating on plate.
11. Wipe excess caulking material off molding fasteners, edges of glass, and body.
12. Remove protective covers.
13. Water test immediately using a cold water spray. Do not direct stream of water at fresh adhesive material. Allow water to spill over edges of glass. If leaks are encountered, use Caulking Hand Gun to work in additional caulking material at leak point.
14. Install all previously removed parts.

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

Unit: days

Temperature °C (°F)	Relative humidity %		
	90	50	25
25 (77)	1.5	2.5	6
10 (50)	3	5.3	10
-10 (14)	10	17	34

REPAIRING LEAKS

Leaks can be repaired without removing and reinstalling glass in the following manner:

1. To stop leaks, first remove moldings in area of leak.
2. Mark location of leak.

Note: If water is leaking between caulking material and body or between glass and caulking material, determine extent of leak by pushing glass outwards.

Note: After installing, attach caution label to glass surface.



BF698B

Fig. BF-74 Caution Label

Be sure that it does not obstruct visibility. The label, noting the fact that sealing will be impaired if door is opened or closed with window closed before sealant has dried, will be furnished with the kit.

CAUTION:

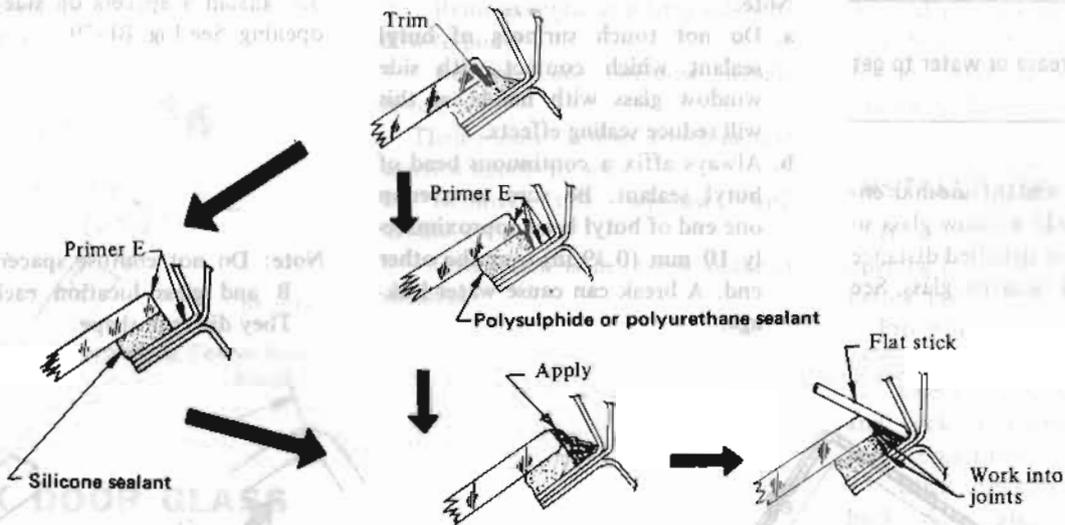
Advise the user of the fact that car should not be driven on rough roads or surfaces until sealant has properly vulcanized.

Apply water to leak area while pushing on glass. Mark extent of leak point.

3. Apply Primer and then sealant to leak points, following procedures shown below.

CAUTION:

Do not apply Primer to old silicone sealant.



BF498B

Fig. BF-75 Adhesive Caulked Glass Leak Correction

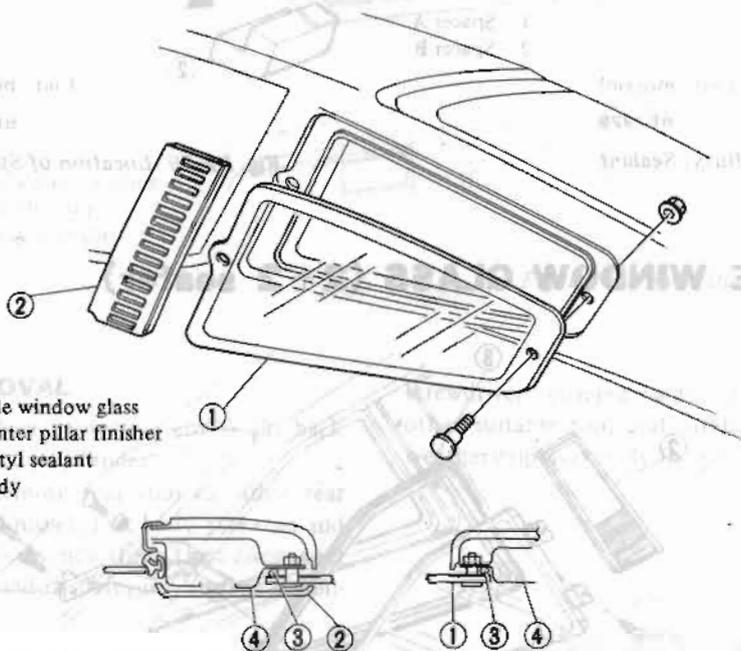
SIDE WINDOW GLASS (2 seater)

DESCRIPTION

The side window glass is butyl-sealed all around its periphery and is retained with two bolts.

4. Using a knife, cut off butyl sealant around entire periphery of glass.

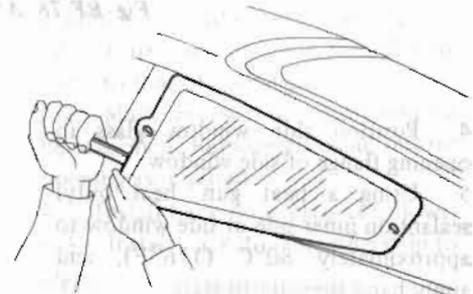
Note: It is advisable to start cutting butyl sealant at front portion of window glass while pulling glass outward.



- 1 Side window glass
- 2 Center pillar finisher
- 3 Butyl sealant
- 4 Body

BF699B

Fig. BF-76 Side Window Glass (2 seater)



BF790B

Fig. BF-77 Cutting Butyl Seal

REMOVAL

CAUTION:

Do not attempt to pry moldings glued to the rear side window glass.

1. Remove center pillar finisher.
2. Remove front body side trim.
3. Remove side window glass retaining bolts.

5. Remove side window glass.
6. Using a rag dampened with unleaded gasoline, remove any trace of butyl sealant from car body.

INSTALLATION

1. Clean contacting surfaces of body and side window glass with a rag dampened with unleaded gasoline.

CAUTION:

Do not allow oil, grease or water to get on clean surfaces.

2. Attach butyl sealant around entire periphery of side window glass so that inner edge is at specified distance from printed black area on glass. See Fig. BF-78.

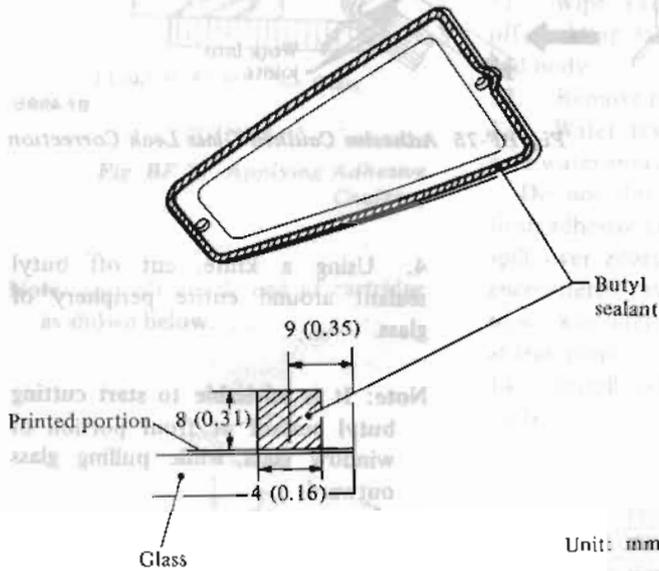


Fig. BF-78 Attaching Butyl Sealant

Note:

- Do not touch surfaces of butyl sealant which contact with side window glass with hands, as this will reduce sealing effects.
- Always affix a continuous bead of butyl sealant. Be sure to overlap one end of butyl bead approximately 10 mm (0.39 in) over the other end. A break can cause water leakage.

3. Install 4 spacers on side window opening. See Fig. BF-79.

Note: Do not confuse spacers A and B and glass location each other. They differ in shape.

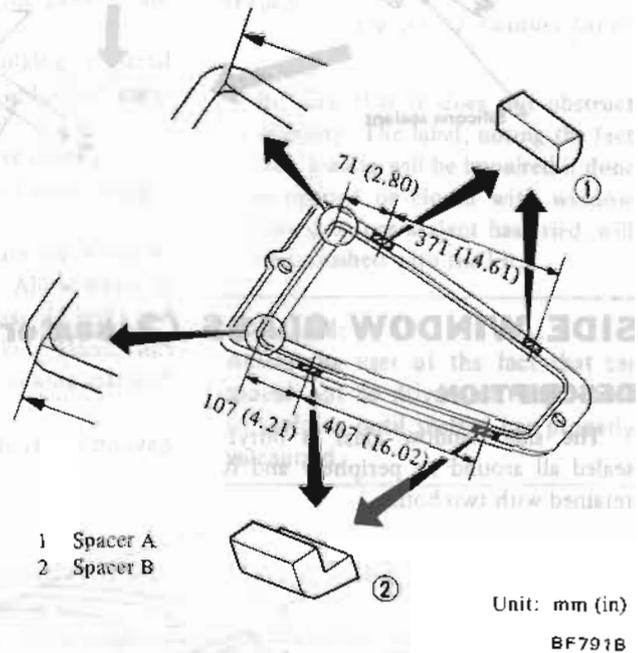
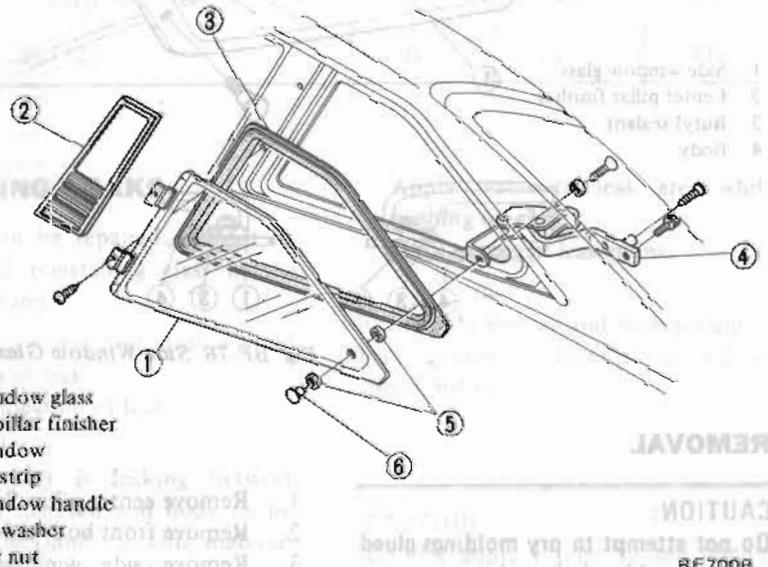


Fig. BF-79 Location of Spacers

- Position side window glass in opening flange of side window.
- Using a heat gun, heat butyl sealant on inner side of side window to approximately 80°C (176°F), and apply hand pressure to glass.
- Tighten bolts and nuts securing side window glass.
- Install all previously removed parts in the order of removal.

SIDE WINDOW GLASS (2+2 seater)



- Side window glass
- Center pillar finisher
- Side window weatherstrip
- Side window handle
- Rubber washer
- Finisher nut

Fig. BF-80 Side Window (2 + 2 seater)

1. Remove center pillar finisher by loosening nut.

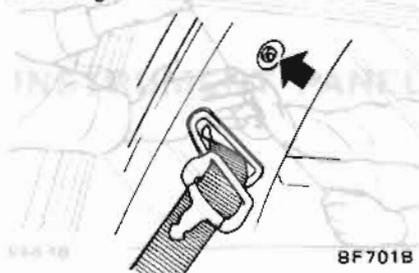
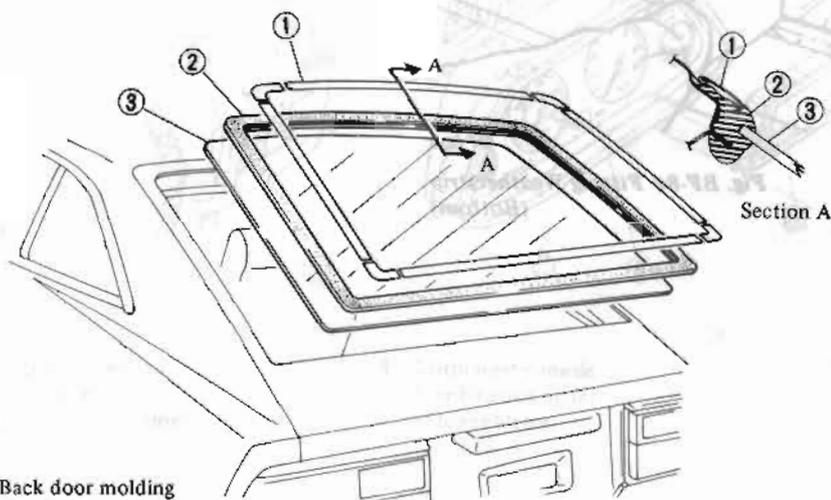


Fig. BF-81 Removing Center Pillar Finisher

2. Remove screw attaching side window to body.
3. Remove side window handle cover. Then remove screws attaching side window handle to body.
4. Remove side window with handle.
5. Installation is in reverse order of removal.

BACK DOOR GLASS



- 1 Back door molding
- 2 Weatherstrip
- 3 Back door glass

BF702B

Fig. BF-82 Back Door Glass

REMOVAL

1. Place protective covers on back door and rear fenders.
2. Remove rear roof rail trim, rear panel finisher, rear body side trim and front body side trim. Then disconnect rear window defogger harness at connector.
3. Remove back door molding by prying out molding.
4. Attach two Suckers ST08800000 to glass beforehand for convenience in lifting out back door glass.
5. From inside passenger compartment, apply hand pressure to edges of back door glass and remove weatherstrip lip from body flange, starting from top to sides. Use a conventional

screwdriver covered with cloth or other suitable tool and carefully put weatherstrip over body flange.



BF229B

Fig. BF-83 Removing Back Door Weatherstrip

6. After back door weatherstrip is free from body flange, with aid of a helper, carefully remove back door glass with Suckers ST08800000.

INSTALLATION

It is important that back door opening in body be checked thoroughly before installation of back door glass.

Procedure below includes checking of back door opening in body.

1. Check back door weatherstrip and back door opening in body for any irregularities.
2. Stick Suckers ST08800000 on back door glass. With aid of a coworker, carefully position glass in opening in body.

CAUTION:

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

3. With back door glass supported and centered in opening in body, check relationship between glass and opening around entire perimeter of glass.

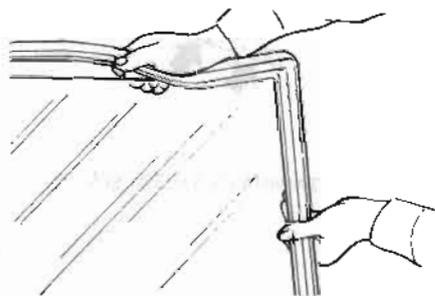
(1) Entire inside surface of glass should be in contact with opening.

(2) Curvature of glass should conform to that of opening.

(3) Mark any section of opening to be reformed. Remove glass and reform opening as required.

4. Install back door glass as follows:

(1) Install back door weatherstrip to glass.



BF647

Fig. BF-84 Installing Weatherstrip

(2) Insert a strong cord in groove of weatherstrip where opening flange fits.

Note: Insert cord so that its ends are at bottom center of glass.

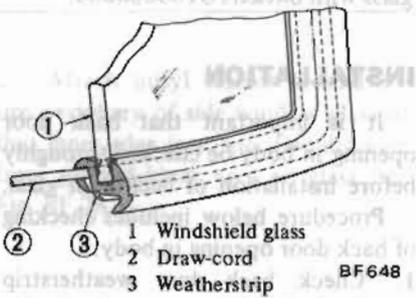


Fig. BF-85 Inserting Cord in Weatherstrip

(3) With aid of a helper, carefully position and center back door glass in opening in body, supporting it with Sucker ST08800000.

(4) When glass and weatherstrip are properly positioned in opening, slowly pull ends of cord with a coworker pushing glass from outside, starting

from lower center of back door glass to seal lip of weatherstrip on opening flange.

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

(5) Carefully tap around back door glass to assist in seating weatherstrip on flange.

Note: Never tap or hammer at glass to position.

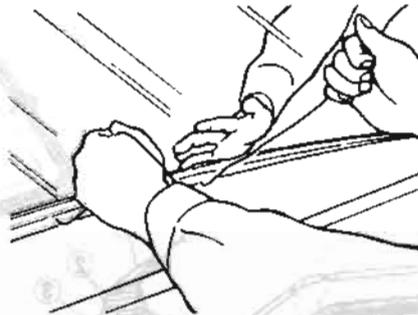


Fig. BF-86 Fitting Weatherstrip (Bottom)

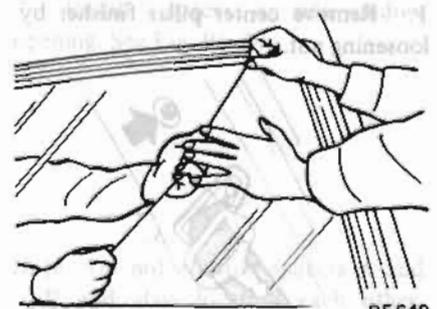
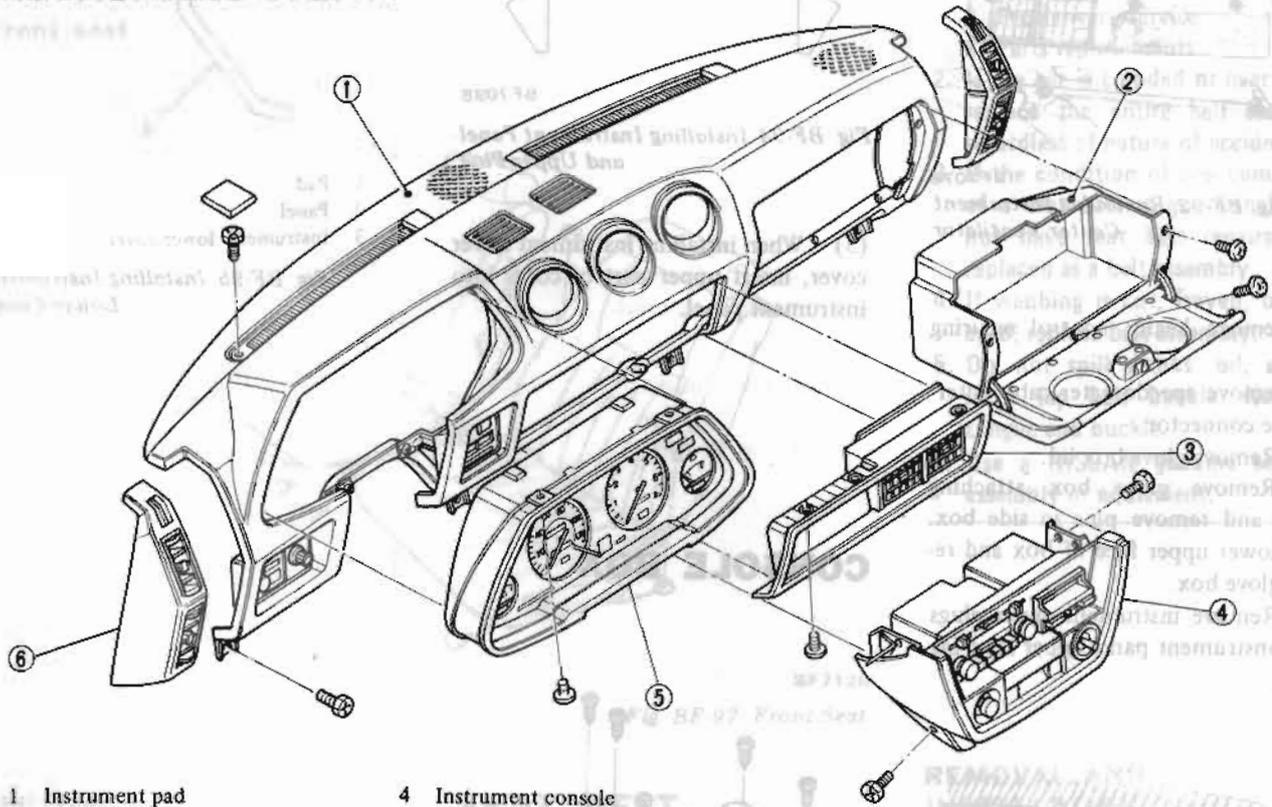


Fig. BF-87 Fitting Weatherstrip (Top)

5. Install all previously removed parts.

INTERIOR

INSTRUMENT PANEL



- | | |
|--------------------------------|----------------------|
| 1 Instrument pad | 4 Instrument console |
| 2 Glove box | 5 Combination meter |
| 3 Instrument center ventilator | 6 Side ventilator |

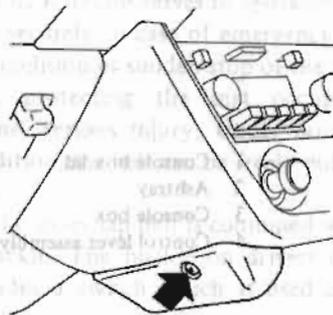
BF703B

Fig. BF-88 Instrument Panel

REMOVAL AND INSTALLATION

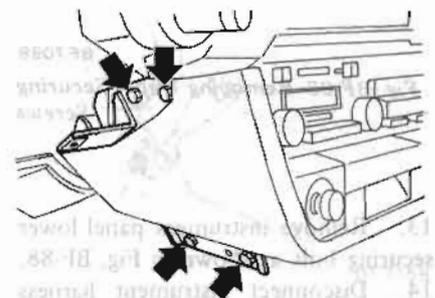
1. Disconnect battery ground cable.
2. Remove horn pad, steering wheel and shell cover. Refer to Steering Wheel (Section ST) for removal.
3. Remove combination switch.
4. Remove instrument lower covers. Disconnect step lamp harness at connector and air conditioner vacuum tube.

5. Remove instrument console bracket covers.



BF705B

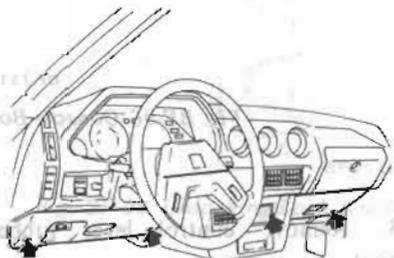
Fig. BF-90 Removing Instrument Console Bracket Cover



BF706B

Fig. BF-91 Removing Instrument Console

7. Remove instrument center ventilator.

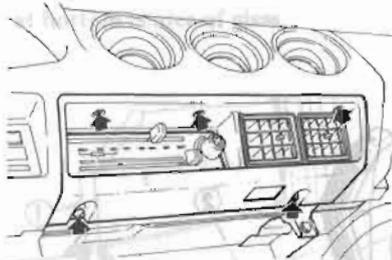


BF704B

Fig. BF-89 Removing Instrument Lower Covers

6. Remove instrument console.

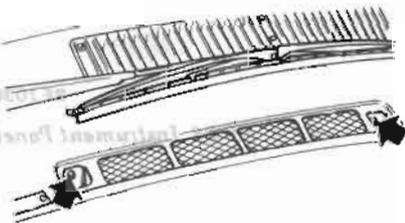
Note: Insert cord so that its ends are



BF707B

Fig. BF-92 Removing Instrument Center Ventilator

8. Remove heater control securing screws.
9. Remove speedometer cable intermediate connector.
10. Remove glove box lid.
11. Remove glove box attaching screws and remove pins in side box. Then lower upper face of box and remove glove box.
12. Remove instrument upper plugs and 4 instrument panel upper securing screws.



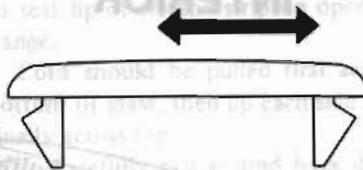
BF708B

Fig. BF-93 Removing Upper Securing Screws

13. Remove instrument panel lower securing bolt as shown in Fig. BF-88.
14. Disconnect instrument harness connectors.
15. Remove instrument panel in horizontal direction while lifting heater control slightly.
16. Installation is in reverse order of removal, paying attention to following points.

- (1) When installing instrument panel, securely insert panel edge into instrument panel upper welt.
- (2) Be sure to install instrument upper plug as shown in Fig. BF-94.

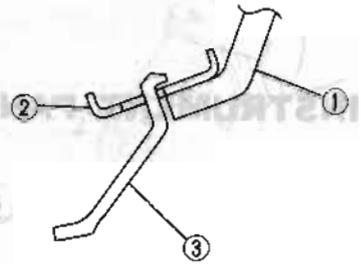
Fore and aft direction



BF709B

Fig. BF-94 Installing Instrument Panel and Upper Plug

- (3) When installing instrument lower cover, insert upper part of cover into instrument panel.

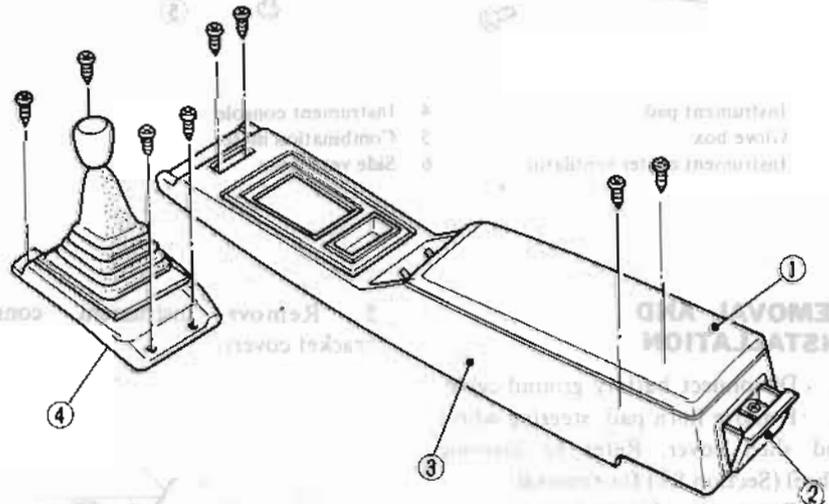


- 1 Pad
- 2 Panel
- 3 Instrument lower cover

BF710B

Fig. BF-95 Installing Instrument Lower Cover

CONSOLE BOX



- 1 Console box lid
- 2 Ashtray
- 3 Console box
- 4 Control lever assembly

BF711B

Fig. BF-96 Console Box

1. Remove console box securing screws and disconnect outside mirror harness, at connector
2. Remove console box.

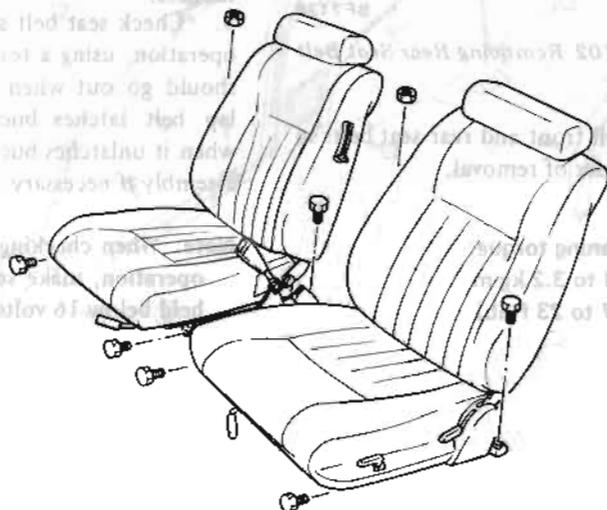
3. Remove control lever rubber boot.
4. Installation is in reverse order of removal.

SEAT

REMOVAL AND INSTALLATION

Front seat

Front seat can be removed easily by removing attaching nuts and bolts.

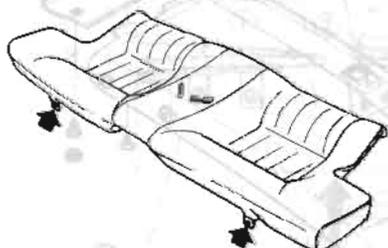


BF712B

Fig. BF-97 Front Seat

Rear seat

Remove rear seat cushion. Then remove rear seat back by removing bolts and unlocking lock knob.



BF713B

Fig. BF-98 Removing Seat Cushion



BF714B

Fig. BF-99 Unlocking Lock Knob

SEAT BELT

DESCRIPTION

The front seat belts are a three-point type consisting of an inner lap and an outer lap-shoulder belt.

This lap-shoulder belt is provided with an Emergency Locking Retractor which locks the belt by detecting car deceleration.

This retractor serves to restrain the belt securely in case of emergency, as in a collision or sudden stop of the car, thus protecting the seat occupant against serious injury. Under normal condition, the belt can be freely pulled out.

The inner lap belt is combined with a buckle. The buckle on drivers seat includes a switch which is used as a seat belt warning device.

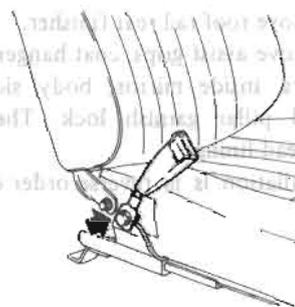
The rear seat belt is a two-point type and includes an automatic belt locking-retracting device.

CAUTION:

1. In conformity with MVSS No. 302, be sure to remove the thin polyethylene covers from seat belts at:
 - 1) Pre-delivery service
 - 2) Parts replacements
2. If the car is collided or overturned, replace the entire belt assembly, regardless of nature of accident.
3. If the condition of any component of a seat belt is questionable, do not have seat belt repaired, but replaced as a belt assembly.
4. If webbing is cut, frayed, or damaged, replace belt assembly.
5. Do not spill drinks, oil, etc. on inner lap belt buckle. Never oil tongue and buckle.
6. Use a NISSAN genuine seat belt assembly or equivalent.

REMOVAL AND INSTALLATION

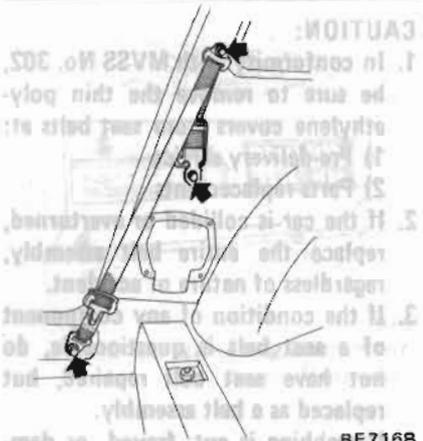
1. Disconnect battery ground cable.
2. Loosen bolt attaching inner lap belt.



BF715B

Fig. BF-100 Removing Inner Lap Belt

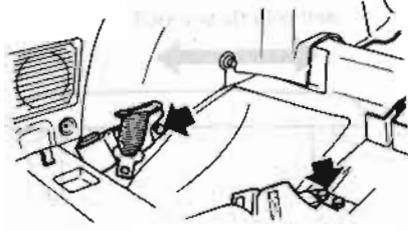
3. On driver's seat, disconnect seat belt warning device harness connector and remove inner lap belt.
4. Remove front side body trims.
5. Remove lap-shoulder belt with Emergency Locking Retractor.



BF716B

Fig. BF-101 Removing Lap-Shoulder Belt

6. Remove seat cushion, then remove rear seat belts.



BF717B

Fig. BF-102 Removing Rear Seat Belt

7. Install front and rear seat belts in reverse order of removal.

Ⓣ Tightening torque:
2.4 to 3.2 kg-m
(17 to 23 ft-lb)

INSPECTION OF SEAT BELT SWITCH

The contacts of seat belt switch are normally closed. When tongue latches buckle, the tip end of tongue pushes push rod to open the switch contacts.

1. Disconnect battery ground cable.
2. Disconnect seat belt switch wire harness.
3. Check seat belt switch for proper operation, using a test light. The light should go out when tongue of outer lap belt latches buckle, and go on when it unlatches buckle. Replace belt assembly if necessary.

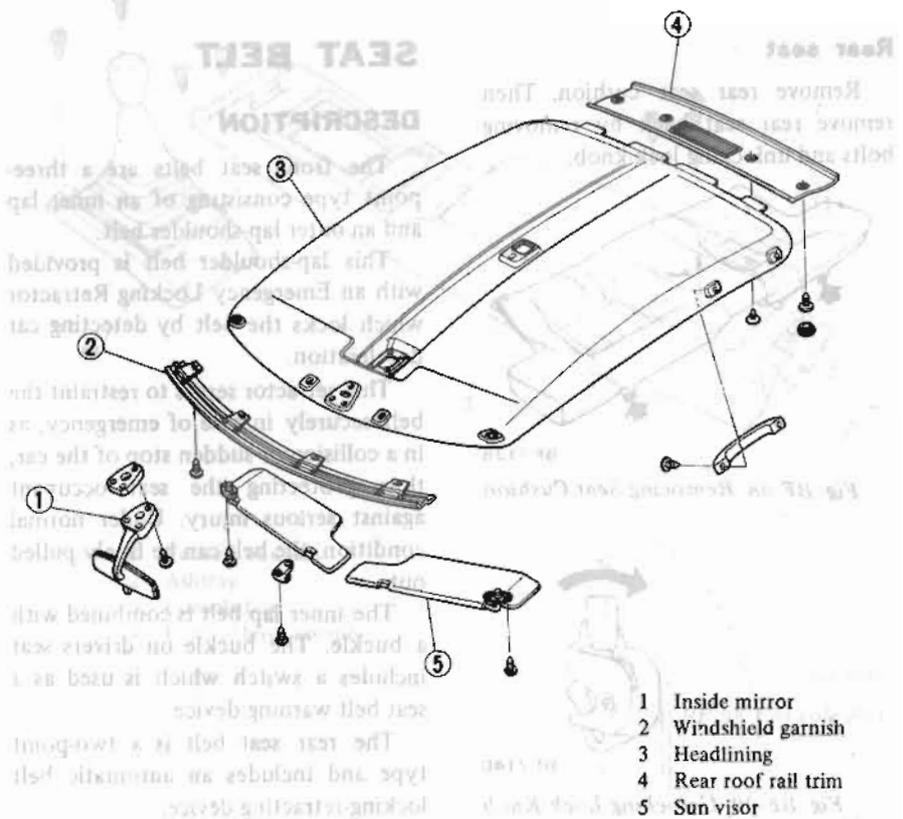
Note: When checking seat belt switch operation, make sure that power is held below 16 volts and 13 mA.

TRIM AND MOLDING

ROOF TRIMMING

REMOVAL AND INSTALLATION

1. Remove roof rail rear finisher.
2. Remove assist grips, coat hangers, sun visors, inside mirror, body side welt and pillar garnish lock. Then remove head lining.
3. Installation is in reverse order of removal.

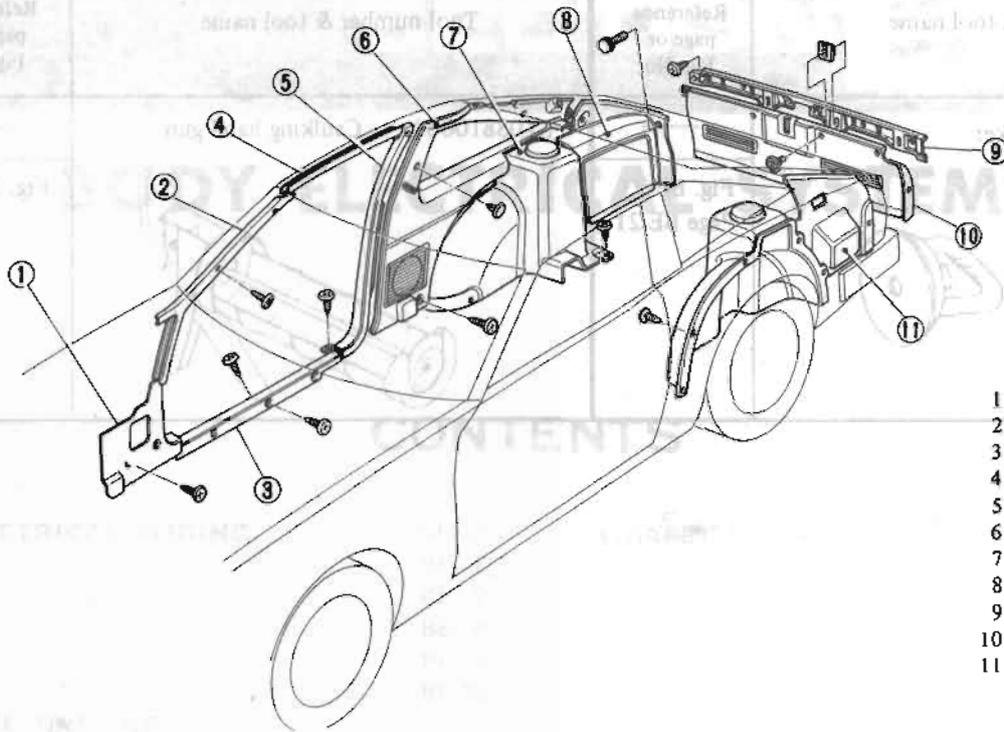


- 1 Inside mirror
- 2 Windshield garnish
- 3 Headlining
- 4 Rear roof rail trim
- 5 Sun visor

BF718B

Fig. BF-103 Roof Trimming

BODY SIDE TRIM AND MOLDING

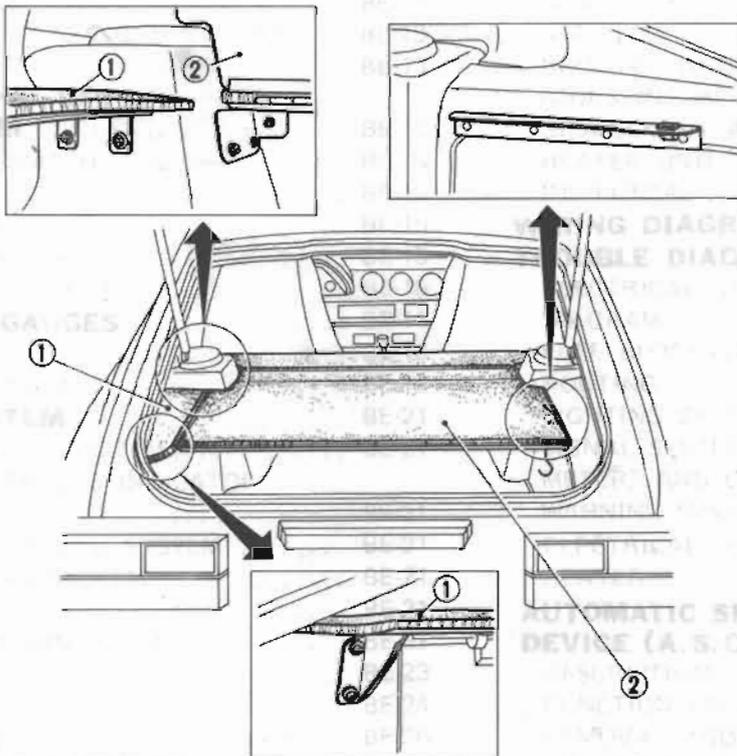


- 1 Dash side trim
- 2 Front pillar garnish
- 3 Kicking plate
- 4 Side body welt
- 5 Lock pillar garnish
- 6 Front body side trim
- 7 Wheel house trim
- 8 Space saver spare tire cover
- 9 Rear finisher support
- 10 Rear panel finisher
- 11 Rear body side trim

BF719B

Fig. BF-104 Body Side Trim and Molding

TONNEAU COVER

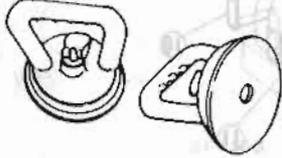
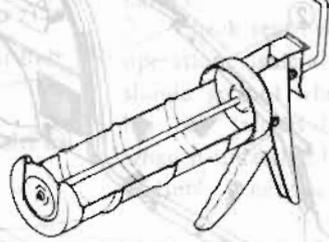


- 1 Side tonneau cover
- 2 Center tonneau cover

BF720B

Fig. BF-105 Tonneau Cover

SPECIAL SERVICE TOOLS

Tool number & tool name	Kent-Moore No.	Tool number & tool name	Kent-Moore No.
	Reference page or Fig. No.		Reference page or Fig. No.
ST08800000 Sucker	—	ST08810000 Caulking hand gun	—
	Fig. BF-73 Page BE-21		Fig. BE-71

- Fig. BF-101 Removal of Wheel Bearings
1. Turn front wheel.
 2. Remove lock pin.
 3. Remove lock pin.
 4. Side body will.
 5. Lock pin.
 6. Front body side trim.
 7. Wheel bearing trim.
 8. Space screw space tire over.
 9. Rear pin.
 10. Rear pin.
 11. Rear body side trim.

TRIM AND MOLDING

ROOF TRIMMING

REMOVAL AND INSTALLATION

1. Remove roof trim.
2. Remove roof trim.
3. Install roof trim.



TONNEAU COVER

Fig. BF 103 Tonneau Cover