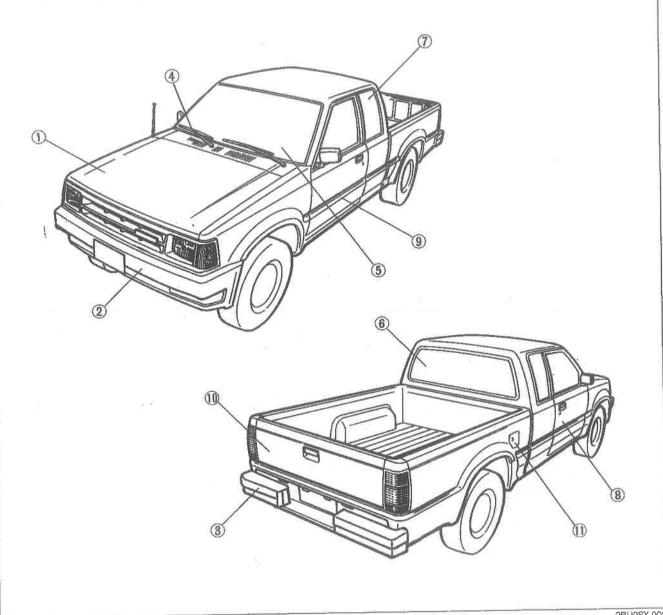
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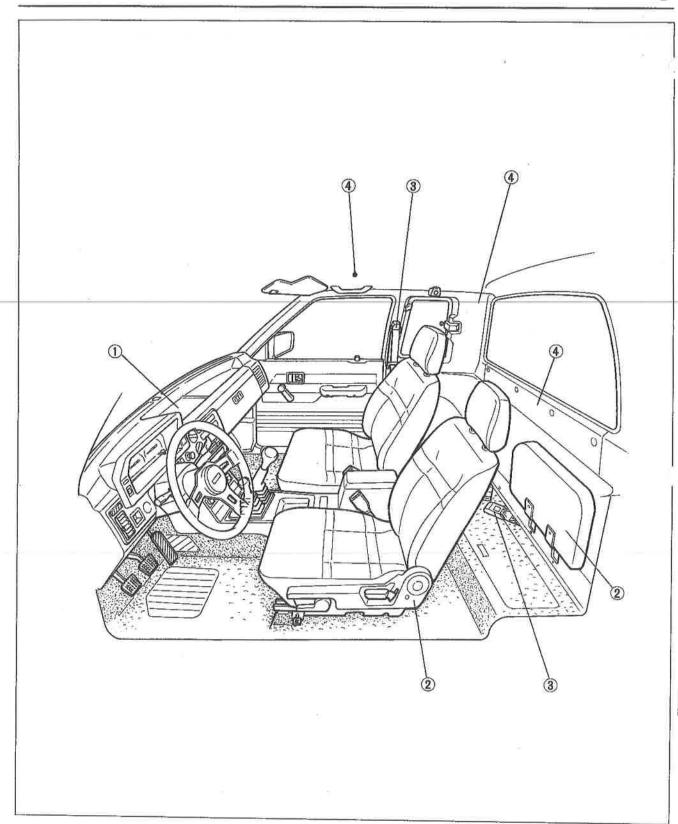


2BU0SX-002

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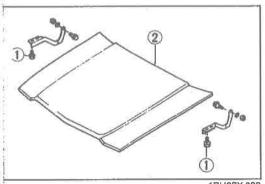
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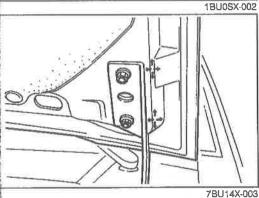
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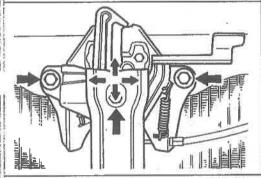


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9BU0SX-005

HOOD

REMOVAL AND INSTALLATION

- 1. Remove in the order shown in the figure.
- 2. Mark the hood hinge locations on the engine hood for proper reinstallation.
- 3. Install the hood in the reverse order of removal, and adjust it if necessary.

Tightening torque:

7.8—11 N·m (80—110 cm-kg, 69—95 in-lb)

ADJUSTMENT

1. Adjust the hood front and rear and side to side by loosening the nuts attaching it to the hinges to allow repositioning.

2. Adjust the hood lock after the hood has been aligned. The lock can be moved up and down and side to side. Align it with the striker on the hood by loosening the attaching bolts and nut.

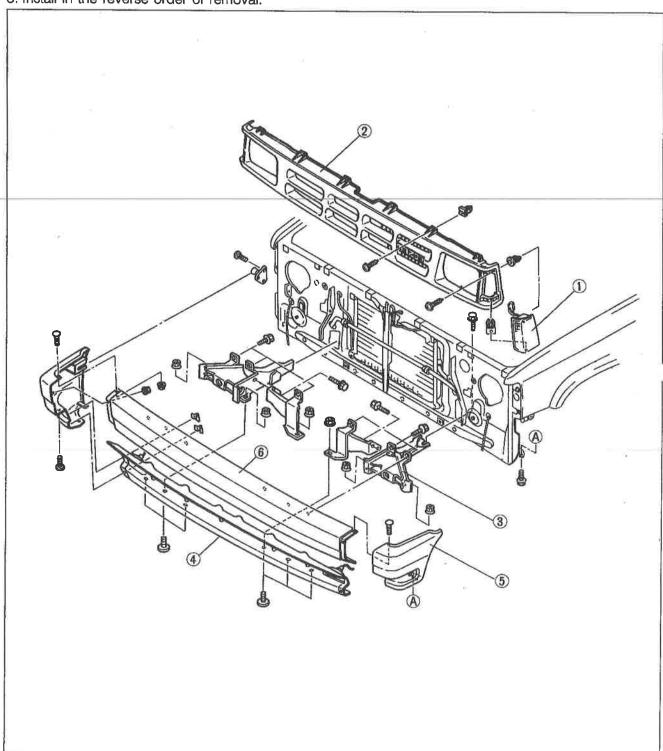
Tightening torque:

Bolt ... 7.8—11 Nm (80—110 cm-kg, 69—95 in-lb) Nut 8.8—13 Nm (0.9—1.3 m-kg, 6.5—9.4 ft-lb)

FRONT BUMPER

REMOVAL AND INSTALLATION

- Disconnect the negative battery cable.
 Remove in the order shown in the figure.
 Install in the reverse order of removal.



- Combination light
 Radiator grille
 Bumper stay

- 4. Bumper skirt5. Bumper sides
- 6. Bumper face

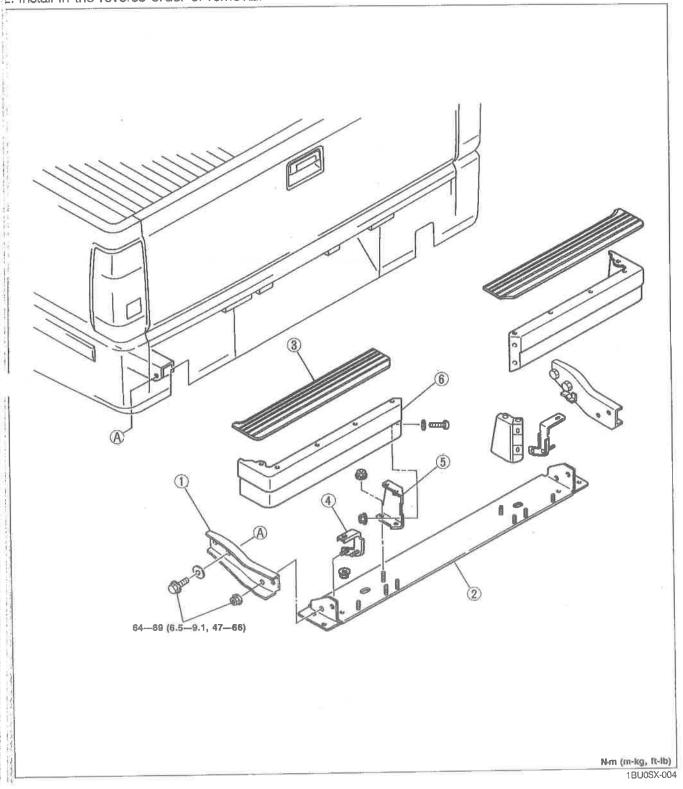
1BU0SX-003

REAR BUMPER

TEMOVAL AND INSTALLATION

Remove in the order shown in the figure.

2. Install in the reverse order of removal.



Bumper stay
 Set plate assembly
 Step bracket

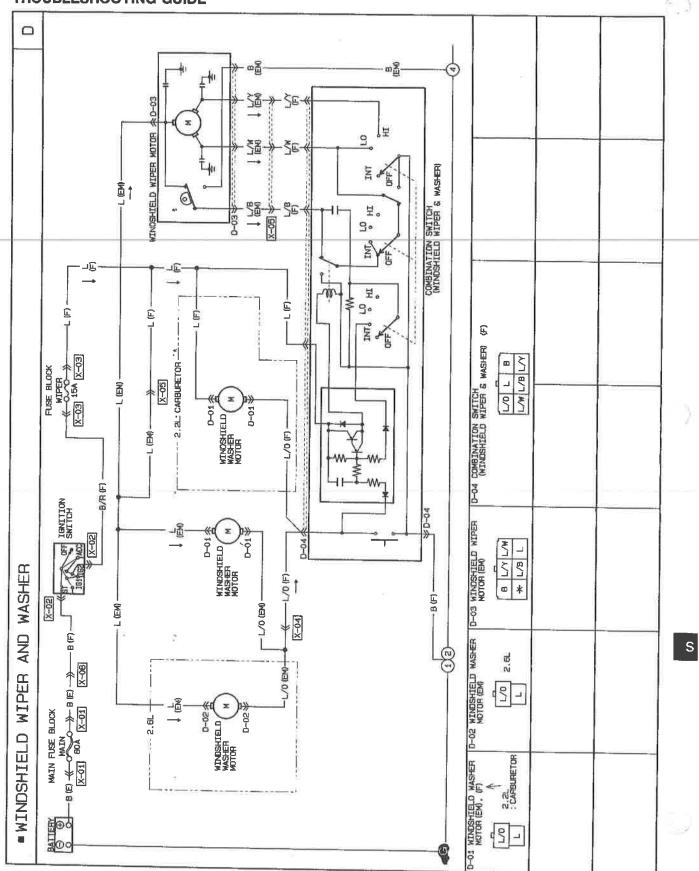
4. Bumper bracket

5. Inner face

6. Bumper face

WINDSHIELD WIPER AND WASHER

TROUBLESHOOTING GUIDE



S

WINDSHIELD WIPER AND WASHER

Flow No.1 Symptom Either Lo or Hi operation of wiper is not possible

Possible cause

- Damaged wiper switch
- Damaged wiper motor
- No continuity of wiring harness
- Loose or corroded connector

Remedy

- Check wiper switch (Refer to page S-10)
- Check wiper motor (Refer to page S-10)
- Repair wiring harness

2BU0SX-005

Flow No.2 Symptom Auto stop operation of wiper is not possible (Wiper stops at position where wiper switch is turned OFF)

Possible cause

- Damaged wiper motor
- No continuity of wiring harness
- Loose or corroded connector

Remedy

- Check wiper motor (Refer to page S-10)
- Repair wiring harness

2BU0SX-006

Flow No.3 Symptom Intermittent operation of wiper is not possible (Lo/Hi operation is possible)

Possible cause

- Damaged wiper switch
- Damaged intermittent wiper relay

Remedy

Check wiper switch (Refer to page S-10)

2BU0SX-007

Flow No.4 Symptom One touch operation of wiper is not possible

Possible cause

Damaged wiper switch

Remedy

Check wiper switch (Refer to page S-10)

2BU0SX-008

Flow No.5 Symptom Wiper continues Lo/Hi operation after wiper switch is turned OFF

Possible cause

Damaged wiper switch

Remedy

Check wiper switch (Refer to page S-10)

2BU0\$X-009

- 1				
100000000000000000000000000000000000000	Flow No.6	Symptom	Washer does not operate (Wiper operates)	

Possible cause

- Damaged washer switch
- Damaged washer motor
- No continuity of wiring harness
- Loose or corroded connector

Remedy

- Check washer switch (Refer to page S-10)
- Check washer motor (Refer to page S-11)
- Repair wiring harness

2BU0SX-010

Flow No.7	Symptom	Washer operates with washer switch turned OFF

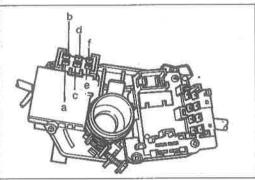
Possible cause

Damaged washer switch

Remedy

Check washer switch (Refer to page S-10)

2BU0\$X-011



2BU0SX-012

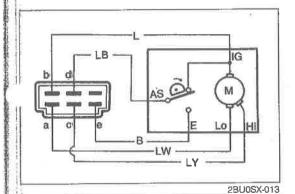
WIPER AND WASHER SWITCH Inspection

1. Check for continuity between terminals by using an ohmmeter.

Position	One to	Terminal ouch	а	b	c	d	е	f
	OFF.	ON	0					-0
	OFF	OFF				0		-0
Wiper switch		NT	0					-0
SWILCH	I	(Low)	0					-0
	I	(High)	0	—				
Washer	switch ON	1	0				-0	

O-O: Indicates continuity

2. If not as specified replace the combination switch,



B O

2BU0\$X-014

WIPER MOTOR Inspection

1. Check for continuity between terminals by using an ohmmeter.

Terminals	Continuity	Note
b⊷a	Conductive	_
bc	Conductive	_
bd	Conductive	Normal resting position
e-d	Conductive	Except for normal resting position

2. Check the operation by applying an electrical source to the motor.

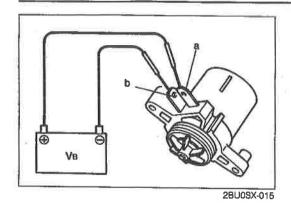
VB: Battery voltage

minal	Operation speed
Ground	Operation speed
a	Low
С	High
	minal Ground a c

Check for continuity between the b and d terminals and between the d and e terminals while operating the motor in low speed.

Terminals	Continuity
b-d	Nonconductive most of the time, and becomes con- ductive once per turn
d—e	Continuity most of the time, and becomes noncon- ductive once per turn

4. If not as specified, replace the wiper motor.



WASHER MOTOR Inspection

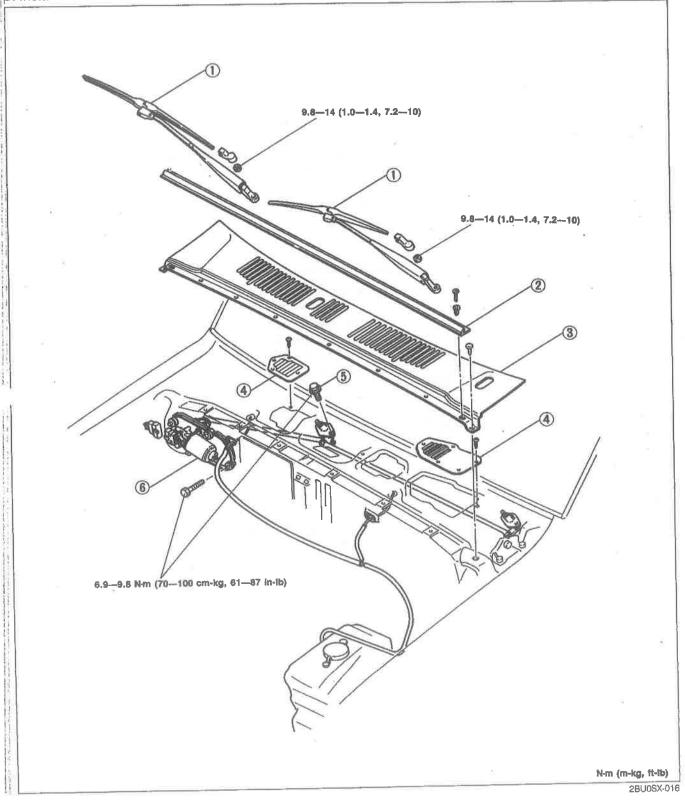
- Connect battery voltage to the a terminal and the ground to the b terminal, and make sure the washer motor operates.
 If not as specified, replace the washer motor.

REMOVAL AND INSTALLATION

1. Disconnect the negative battery cable.

2. Remove in the order shown, referring to Removal Note.

3. Install in the reverse order of removal, referring to Installation Note.



1. Wiper arms and wiper blades

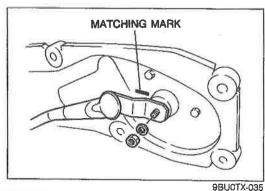
2. Seal rubber

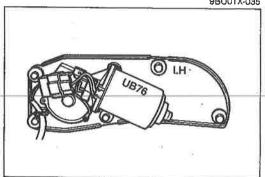
3. Cowl grille

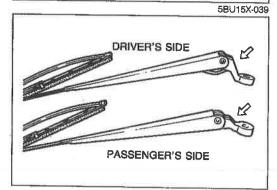
4. Seal covers

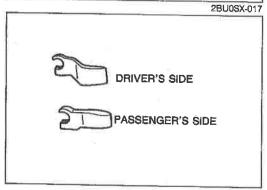
5. Bolt

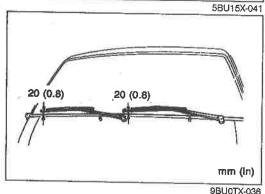
6. Wiper motor and link assembly











Removal and Installation Note

 a) Make matching marks on the wiper motor when removing the wiper link assembly from it.

b) Align the wiper link with the mark on the wiper motor when installing the wiper link assembly to the motor. The automatic-stop angle is approximately 20.5°.

c) The wiper motor used is per specifications.
 When replacing the wiper motor, note the identification numbers.

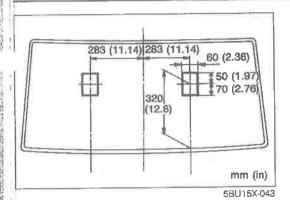
Identification number	Specification					
LH (on the bracket)	Without cold-area version					
LH + UB76 (on the bracket) + (on the motor)	Cold-area version					

d) The shape of the wiper arm and cap on the driver's side is different from ones on the passenger's side. When reinstalling the wiper arms, install them in the correct positions.

ADJUSTMENT Arm Height

Adjust the arm height as shown in the figure, and tighten the arm to the specified torque.

Tightening torque: 9.8—14 N·m (1.0—1.4 m-kg, 7.2—10 ft-lb)



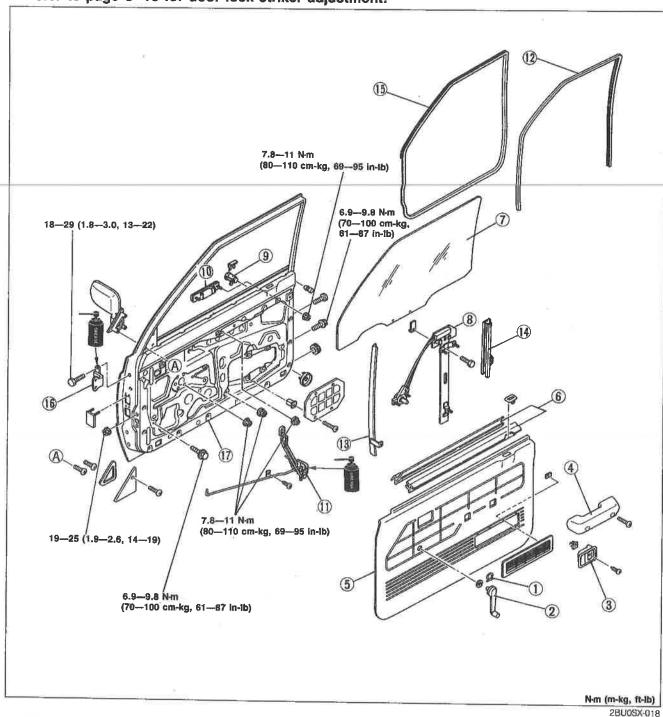
Washer SprayAdjust the aim of the washer spray nozzle by inserting a needle or similar object into the hole of the nozzle and bending

DOOR

STRUCTURAL VIEW

Note

Refer to page S-16 for door lock striker adjustment.



- 1. Snap ring
- 2. Regulator handle
- 3. Inner handle
- 4. Armrest
- 5. Door trim
- 6. Weatherstrip (inner and outer)

- 7. Door glass
- 8. Regulator assembly
- Key cylinder
 Outer handle
- 11. Door lock
- 12. Glass run channel
- 13. Glass guide A
- 14. Glass guide B
- 15. Weatherstrip
- 16. Door hinge

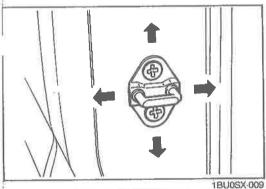
Adjustment page S-16

17. Door

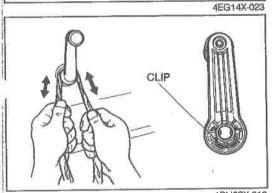
ADJUSTMENT Door Lock Striker

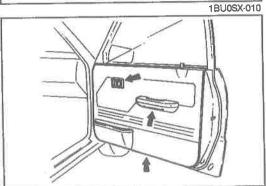
down, or laterally.

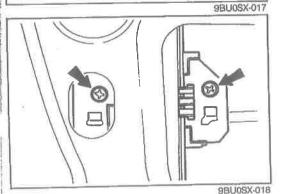
Tightening torque:











Door Hinge1. If looseness is found when the door is opened, tighten the door hinge mounting bolts (arrows).

 Make sure the door can be closed easily, and inspect for looseness. If a problem is found, adjust by loosening the striker mounting screw and moving the door lock striker up,

2. Make sure the door and rear body are aligned. If not, ad-

just by moving the door lock striker laterally.

18—26 Nm (1.8—2.7 m-kg, 13—20 ft-lb)

2. Align the door and body by loosening the door hinge mounting bolts.

Note

If noise is heard from the checker when the door is opened, apply grease to the checker cam.

REMOVAL AND INSTALLATION Window Regulator

1. Remove the regulator handle installation clip with a rag as shown in the figure.

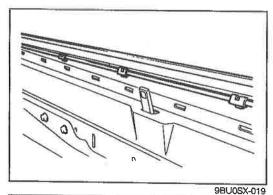
2. Remove inner handle, armrest, and door trim.

3. Remove door screen.

Note Remove the door screen carefully so that it may be reused.

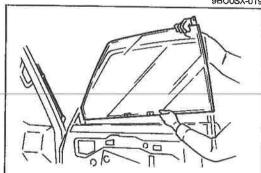
4. Position the door glass mounting screw so that it can be removed from the access hole.

Remove the door glass mounting screws.

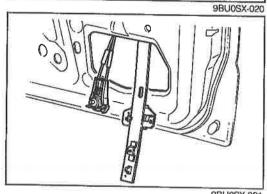


6. Remove the weatherstrips (inner and outer).

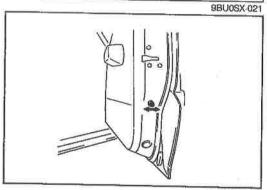
7. Remove the glass guide mounting bolt.



8. Remove the door glass upward.



9. Remove the mounting bolts, and remove the window regulator from the access hole.



Install in the reverse order of removal, referring to the installation note.

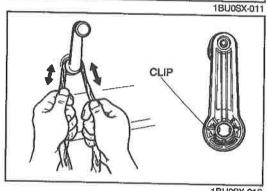
Note

After installing the window regulator, adjust it so that the door glass moves up and down smoothly.

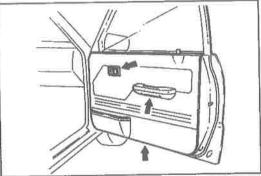


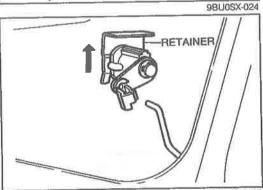
1. Raise the door glass all the way.

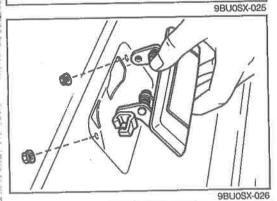
2. Remove the regulator handle installation clip with a rag as shown in the figure.

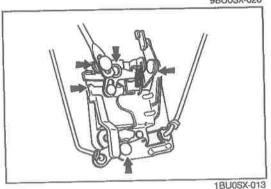


1BU0SX-012









3. Remove inner handle, armrest, and door trim.

4. Remove the door screen.

Note

Remove the door screen carefully so that it may be reused.

5. Remove the rod clip and retainer and the key cylinder.

6. Remove the mounting screws and door lock.

7. Remove the mounting nuts, then remove the outer handle.

Install in the reverse order of removal, referring to the installation note.

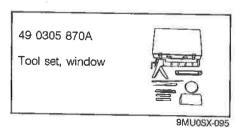
Note

a) Before installing the door lock, apply grease to the areas shown in the figure.

b) After installation, make sure the door opens smoothly and that it may be locked and unlocked with the key and the door lock knob.

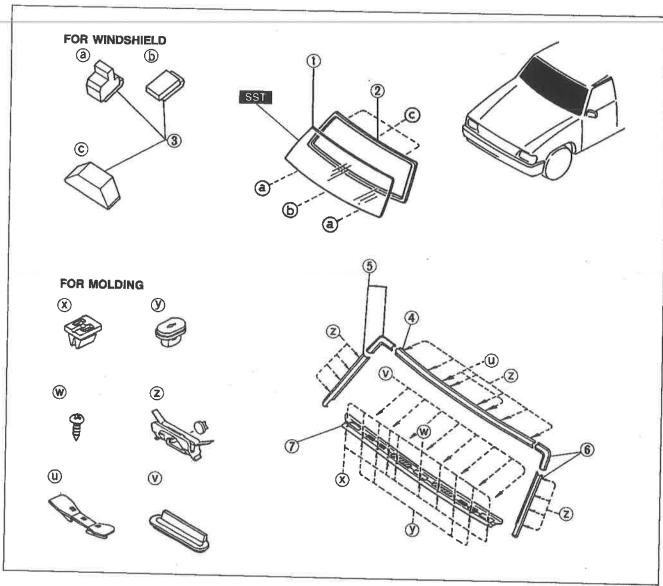
WINDSHIELD

PREPARATION SST



Note Use SST (49 0305 870A) to remove and install the windshield.

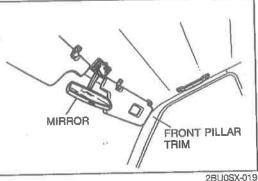
Structural View

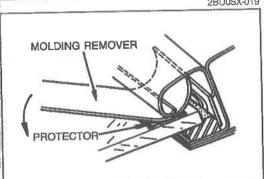


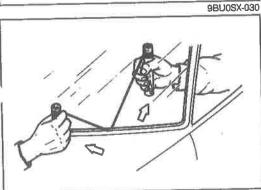
- 1. Windshield
- 2. Dam
- 3. Spacers
- 4. Molding (upper)

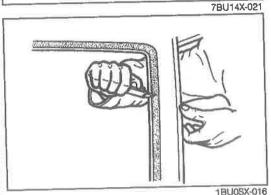
- 5. Molding (right side) 6. Molding (left side) 7. Molding (lower)

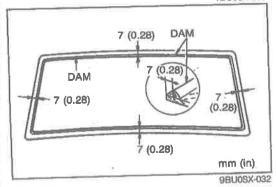
1BU0SX-014











REMOVAL

1. Remove the wiper arms and blades. (Refer to page S-12.)

2. Remove the interior mirror and front pillar trims.

3. Insert a suitable protector, and remove the molding by using the molding remover as shown.

Caution

Before removing the molding, apply adhesive tape to the body to protect it from damage.

Drill a small hole through the sealant.

Pass a piano wire through the hole.

6. Wind each end of the wire around a bar.

7. Pull the wire to and from, and saw through the sealant around the edge of the glass. Then remove the glass.

Caution

a) Use a long sawing action to spread the work over the whole length of wire to prevent it from breaking.

b) Be careful that the wire does not rub on the vehicle paint.

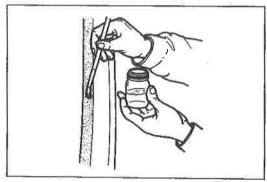
INSTALLATION

1. Cut away the old sealant with a sharp knife so that 1 to 2mm (0.04 to 0.08 in) thickness of sealant remains around the circumference of the frame. If all the sealant has come off in any one place, apply some primer after degreasing, and allow it 30 minutes to dry. Then put on new sealant to build up to a 2mm (0.08 in) layer.

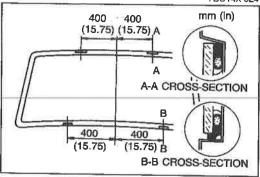
2. Bond the new dam to the glass with a bonding agent. Position it with its outer edge 7mm (0.28 in) from the glass edge and the lip facing outward.

Caution

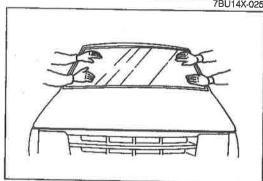
Securely bond the dam so that it is straight and firmly in place.

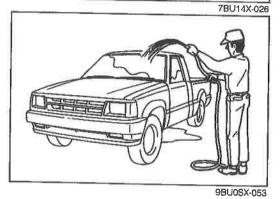


7BU14X-024



47U14X-064 8 (0.31) SEALANT DAM (0.28)mm (in) 7BU14X-025





3. Apply a thin coat of primer to the bonding area of the body and glass, and allow 30 minutes for it to dry. Keep the area free of dirt. Do not touch the surface. If primer gets on the hands, remove it immediately.

4. Bond the spacers to the body as shown.

Caution Use the proper spacers for the upper and lower sections.

5. Insert the molding clips on their points. Replace any defective clips with new ones.

6. Prepare the nozzle of the sealant gun so that it has a flange that can run along the edge of the glass, and a V from which the sealant can flow. Once the primer is dry, apply the sealant around the entire circumference to fill the gap between the dam and the edge of the glass with a ridge of sealant 8mm (0.31 in) high.

Keep the bead of sealant smooth and even, reshaping it where necessary with a spatula.

7. Lift the glass into place. Push it in lightly toward the vehicle to compress the sealant.

Caution

Open the windows to prevent the glass from being pushed out by air pressure if a door is closed.

- 8. Use a spatula to smooth away any sealant that oozes out. Add more sealant to any points of poor contact.
- 9. Allow the sealant to harden without disturbing it. This will require 5 hours at 20°C (68°F) and another 24 hours at 5°C (41°F).
- 10. After installing the front window glass, make a water leak test.
- 11. Clip in the molding. Refit the interior mirror and pillar trim.

BACK WINDOW GLASS

PREPARATION SST

49 0259 866A

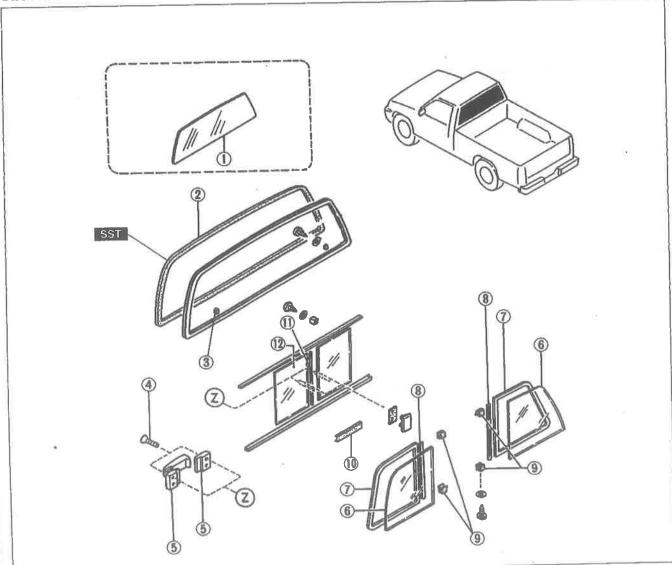
Inserting tool, seal pusher & blade



9BU0SX-033

Note Use SST (49 0259 866A) to remove and install the back window glass.

Structural View

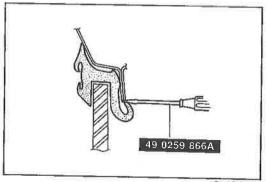


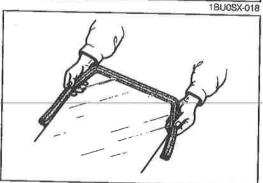
1BU0SX-017

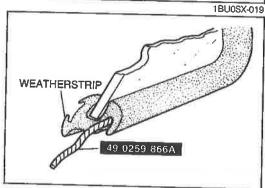
- 1. Back window glass
- 2. Weatherstrip
- 3. Spacer
- 4. Screw

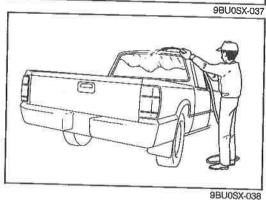
- 5. Spacers
- 6. Back window glass (side)
- 7. Weatherstrip
- 8. Weatherstrip

- 9. Rubber seals
- 10. Drain valve
- 11. Weatherstrip (slide glass)
- 12. Slide glass









REMOVAL

- Use the SST to push out the inner lip of the weatherstrip along the edge of the back window from inside the vehicle while pushing the window outward.
- 2. Remove the window together with the weatherstrip.
- 3. Remove the weatherstrip from the window.
- Thoroughly clean off the old adhesive cement from the window and the body.

INSTALLATION

Before installing the back window glass, thoroughly remove any old bonding agent from the glass and the body.

Install the weatherstrip along the circumference of the glass as shown.

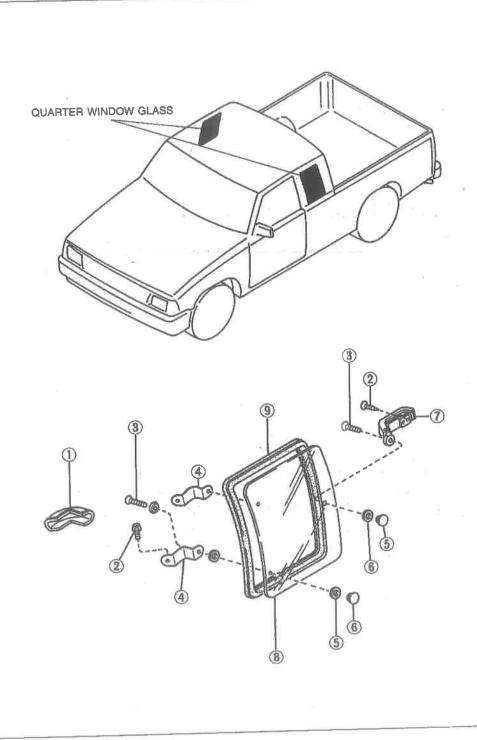
- 2. Apply liquid soap to the groove of the weatherstrip.
- Fit a string 4mm (0.16 in) in diameter to the groove of the weatherstrip as shown.
- Place the back window glass and weatherstrip assembly into position on the body flange.
- 5. Pull the SST to place the inner lip over the flange.
- 6. After installing the back window glass, be sure to make a water leak test.
- 7. If a water leak is found, seal the weatherstrip to the back window glass or the body flange where necessary by carefully applying a thin coat of rubber sealer.

QUARTER WINDOW GLASS (CAB PLUS)

TEMOVAL AND INSTALLATION

Remove in the order shown in the figure.

2. Install in the reverse order of removal.



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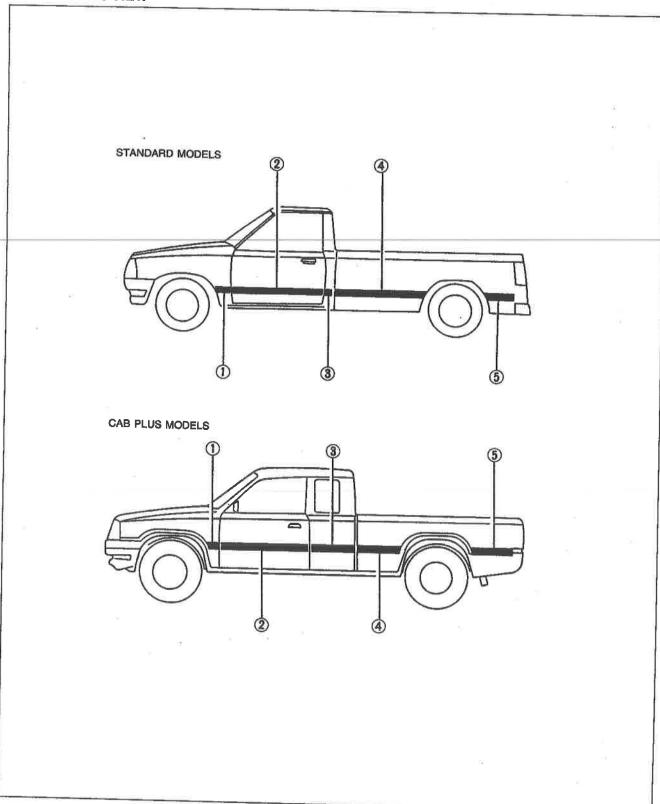
- Hinge cover
 Screws

- 4. Hinges (lower and upper)

- 5. Glass clamp nuts
- 6. Washers
- 7. Quarter window lock
- 8. Quarter window glass
- 9. Weatherstrip

SIDE PROTECTOR

STRUCTURAL VIEW

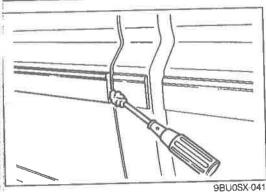


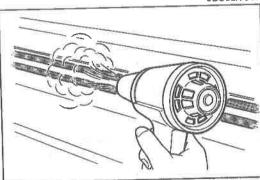
- Side protector A
 Side protector B
 Side protector C

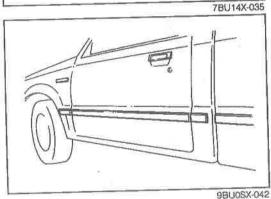
- 4. Side protector D 5. Side protector E

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REMOVAL

- 1. Using a screwdriver or knife, twist the protector end, being careful not to damage the painted surface, and separate the adhesive for 20-30mm (0.79-1.18 in).
- 2. Pull the separated portion to remove it.
- 3. Use a knife to remove any adhesive remaining on the body.

Remove as much adhesive as possible without damaging the painted surface.

4. If the adhesive is difficult to remove, soften it with a hot air blower.

INSTALLATION

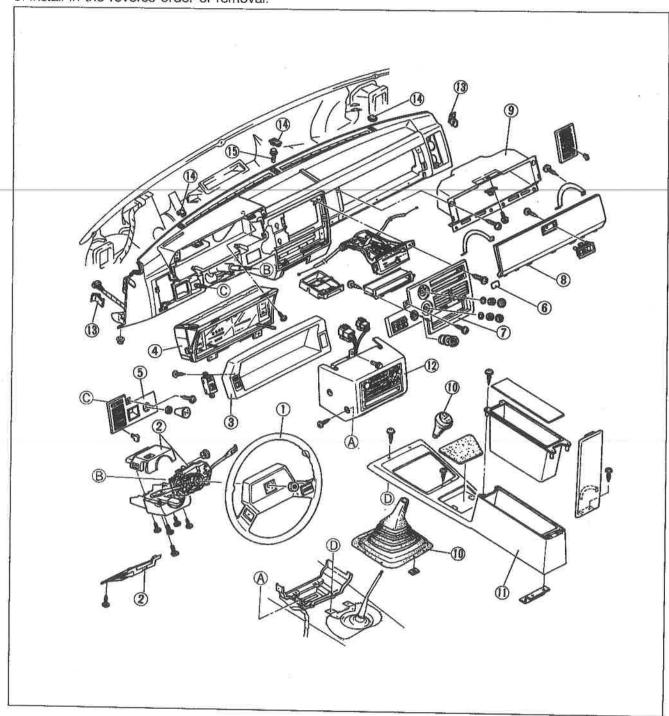
- 1. Remove any grease or dirt from the protector adhesion surface of the body.
- 2. Mark the installation position on the body with masking tape.
- 3. Align the protector on the body, and attach it securely.

Adhesion conditions deteriorate if air temperature is 20°C (68°F) or less; heating of the body is thus recommended.

INSTRUMENT PANEL

REMOVAL AND INSTALLATION

- 1. Disconnect the negative battery cable.
- Remove in the order shown in the figure.
 Install in the reverse order of removal.



1. Steering wheel

2. Column cover (upper and lower) and combination switch
Meter hood

8. Glove compartment lid
9. Glove compartment

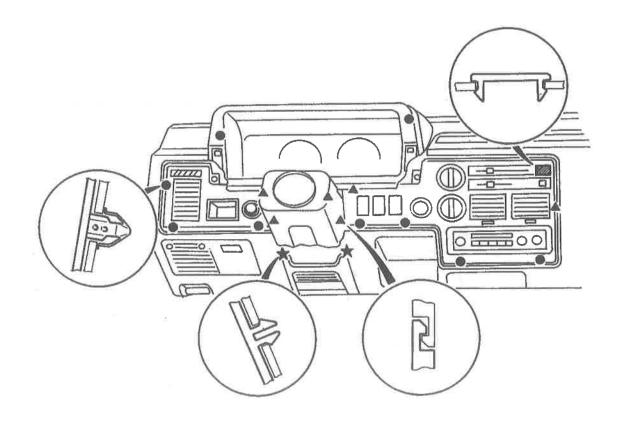
- 3. Meter hood
- 4. Meter
- 5. Side panel

- 6. Hole cover
- 7. Center panel

- 10. Shift knob and boot
- 11. Console box

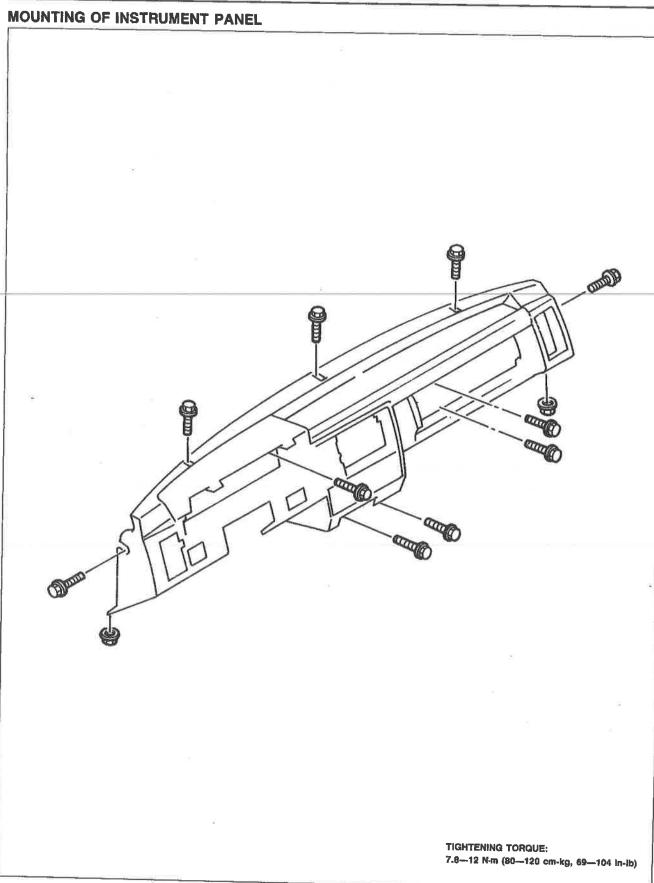
- 12. Radio assembly
- 13. Side hole covers (right and left)
 14. Hole covers (upper)
- 15. Bolt

NTERLOCK OF INSTRUMENT PANEL



5BU14X-035

The panels are interlocked as noted.



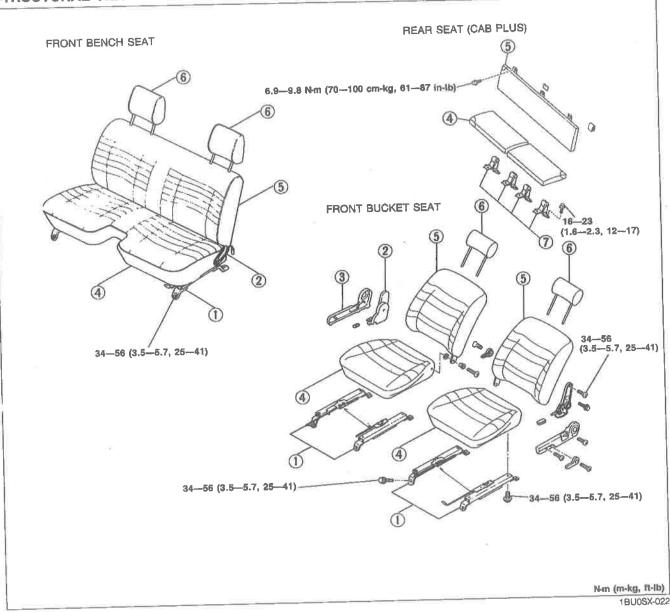
As shown, the instrument panel is mounted by 10 bolts and 2 nuts.

5BU14X-036

100mm 100m

SEATS

TRUCTURAL VIEW



1. Adjuster(s)

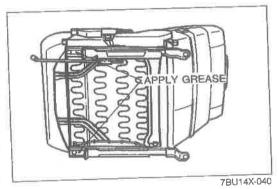
Inspection Described below

- 2. Reclining knuckle
- 3. Knuckle cover

- 4. Seat cushion(s)
- 5. Seat back(s)
- 6. Headrests
- 7. Seat cushion hinges

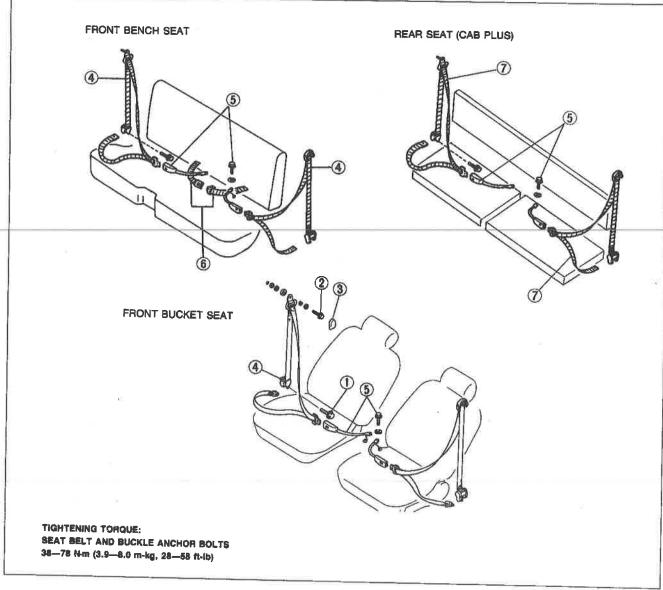
INSPECTION

- 1. Make sure the seat adjuster lever and reclining knuckle move smoothly. Apply grease to the moving parts.
- 2. Check the adjuster lever for wear.
- 3. Check the front seat mounting bolts for looseness.



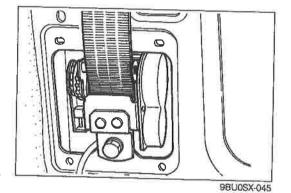
SEAT BELTS

STRUCTURAL VIEW



9BU0SX-044

- 1. Anchor bolt (lower)
- 2. Anchor bolt (upper)
- 3. Cover
- Retractors and seat belts (outer)
 Inspection...... Described below
- 5. Anchor bolt and buckle
- 6. Front seat belts
- 7. Rear seat belts

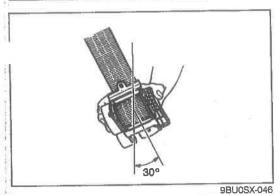


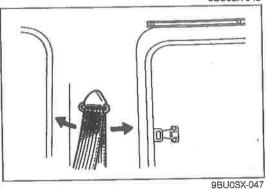
INSPECTION

Caution
Do not disassemble the buckle and retractor assembly.

Emergency Locking Retractor (ELR)

- Verify that the belt can be pulled out smoothly and that it moves smoothly when worn.
- 2. Verify that the retractor locks when quickly pulling the belt.





3. Remove the retractor.

4. Hold the retractor as it is installed.

5. Slowly incline the retractor while pulling out the belt.

6. Verify that the retractor locks at approx. 30 degrees incli-

Shoulder Anchor

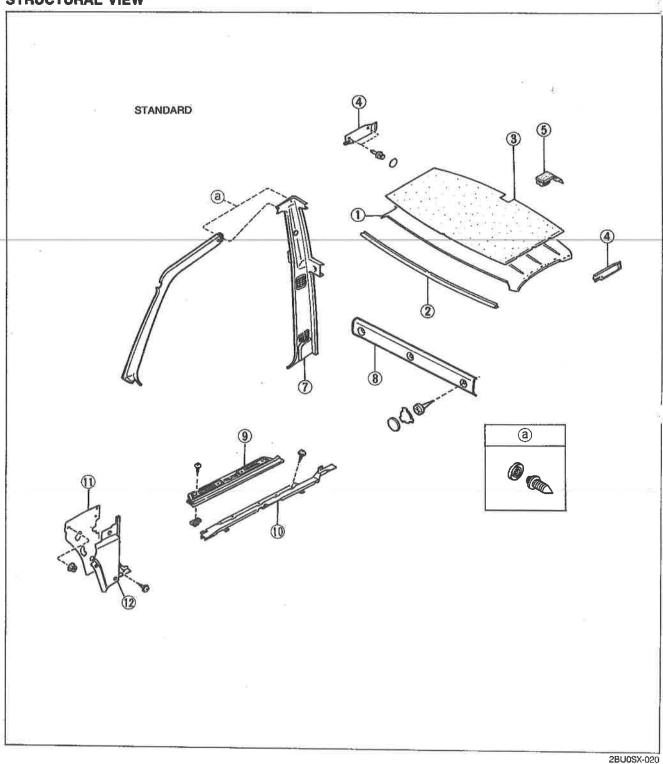
Make sure the anchor works in the circumferential direction with the shoulder anchor bolt tightened.

Webbing

Inspect the webbing for scars, tears, and wear and for deformation of the fittings.

HEADLINER AND TRIM

STRUCTURAL VIEW



1. Headliner

Removal.....page S-35 Installation.....page S-35

Fixing plate
 Front roof insulator
 Top side garnish

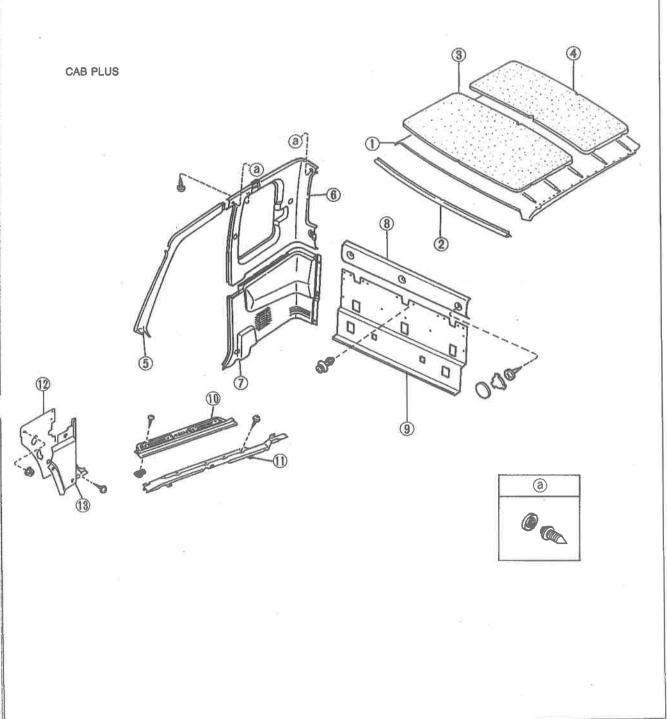
5. Headliner bracket

6. Front pillar trim

7. B pillar trim

8. Back upper garnish
9. Front scuff plate
10. Wiring cover
11. Cowl insulator

12. Front side trim



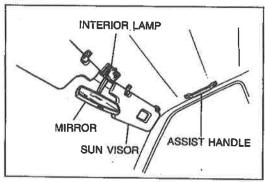
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1.	Headliner								
	Removal	 	 		4			,	

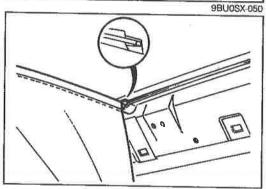
..... page S-35 Installation.....page S-35

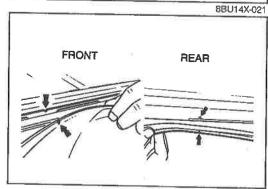
- 2. Fixing plate3. Front roof insulator
- 4. Rear roof insulator
- Front pillar trim
 B pillar trim (upper)

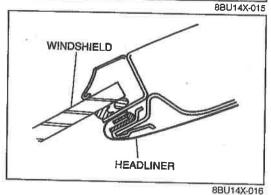
- 7. B pillar trim (lower)
- 8. Back upper trim
- 9. Backpanel trim
- 10. Front scuff plate
- 11. Wiring cover 12. Cowl insulator
- 13. Front side trim



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REMOVAL

Remove these items in order.

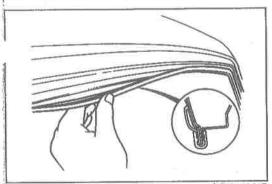
- 1. Back window
- 2. Rearview mirror, sun visor and assist handle
- 3. Interior lamp attaching screws; disconnect connector and remove interior lamp
- 4. Seat belt anchor bolts
- 5. Upper part of seaming welt
- 6. Front pillar trims, top side garnishes, and B pillar trims
- 7. Listing wires and headliner

INSTALLATION

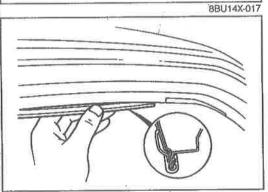
Install in the reverse order of removal, noting the following points.

- 1. Heat the headliner to a temperature of 30°C to 50°C (86°F to 122°F).
- Insert both ends of the listing wires to their respective positions in successive order, beginning from the front.
- 3. Align the centering mark on the headliner to the body mark.

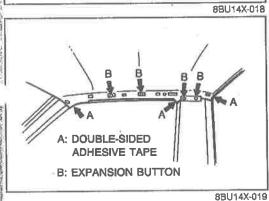
4. Insert the front of the headliner to the inserting point of the body.



5. Insert the rear of the headliner to the body flange.

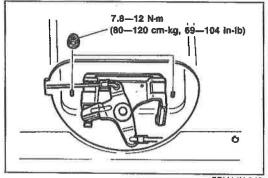


6. Pull the headliner from both sides to remove any looseness, and insert both sides of the headliner to the body flange.

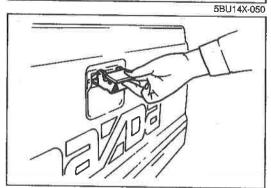


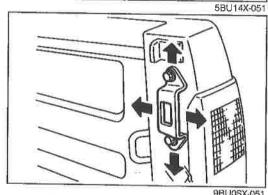
7. Apply double-sided adhesive tape between the headliner and the body flange.

8. Push in the expansion buttons.



7.8—12 N-m (80—120 cm-kg, 69—104 in-lb) 18—26 N-m (1.8—2.7 m-kg, 13—20 ft-lb)





TAILGATE

DISASSEMBLY

Remove these items in order.

- 1. Cover
- 2. Nuts attaching the tailgate lock
- 3. Disconnect rods from tailgate lock and remove lock.
- 4. Bolts and latch guide, latch, and rod

5. Handle

ASSEMBLY

Assemble the tailgate in the reverse order of disassembly.

ADJUSTMENT

- 1. Loosen the two bolts.
- 2. Move the striker forward or backward to adjust.
- 3. After adjustment is made, tighten the bolts.

Tightening torque:

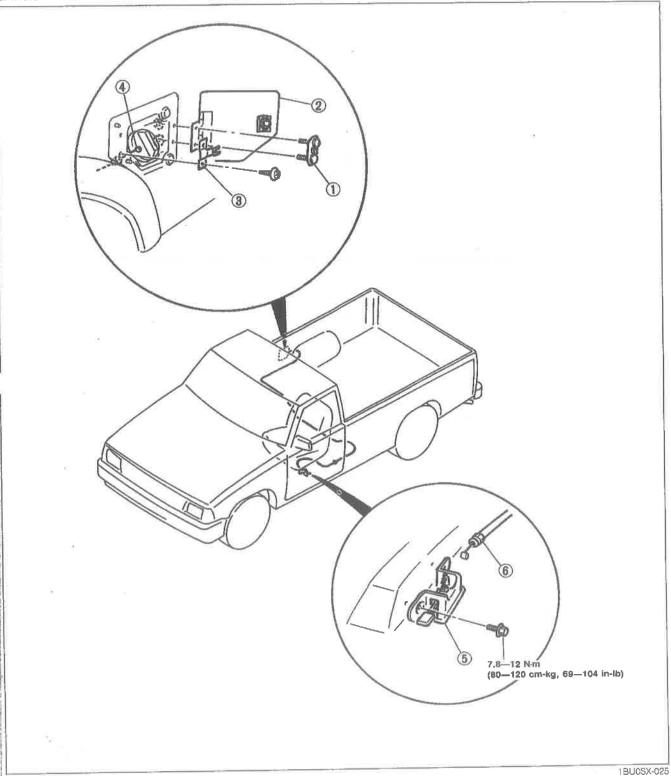
7.8—12 N·m (80—120 cm-kg, 69—104 in-lb)

FUEL LID REMOTE RELEASE

REMOVAL AND INSTALLATION

. Remove in the order shown in the figure.

2. Install in the reverse order of removal.



Lift spring
 Fuel lid

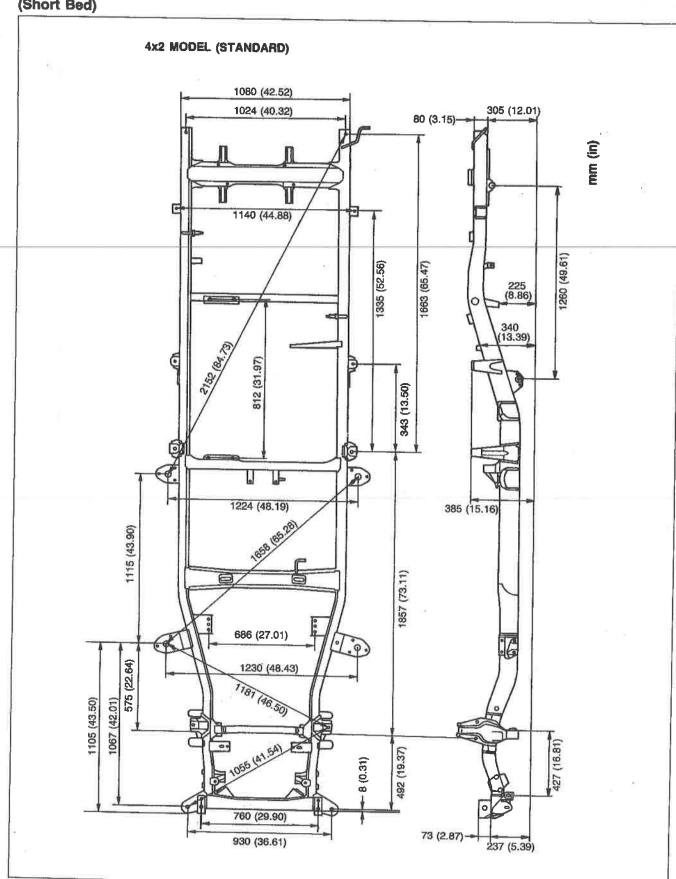
3. Lock plate

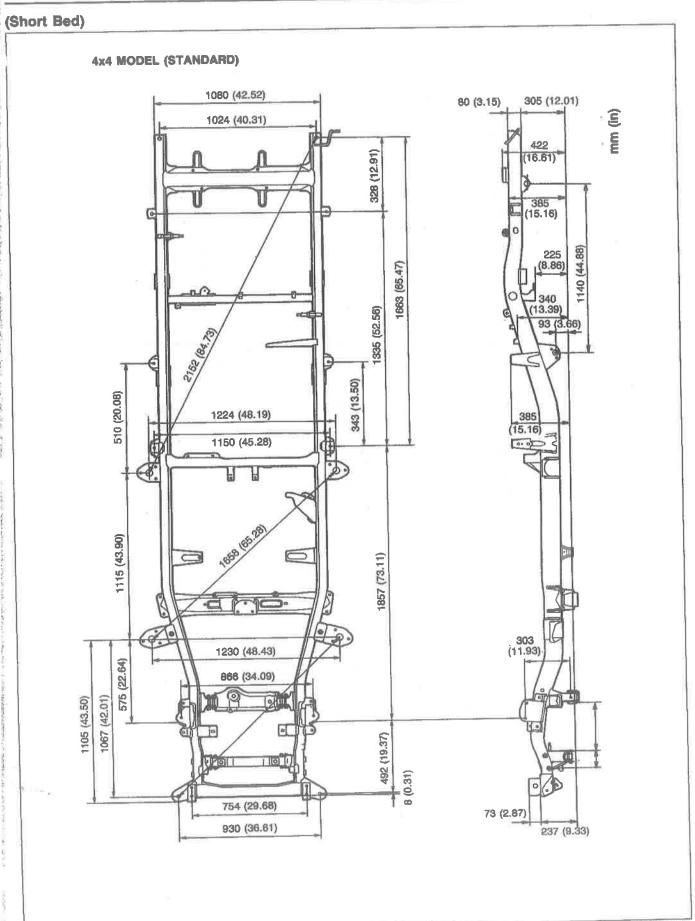
4. Release wire (Fuel lid side)

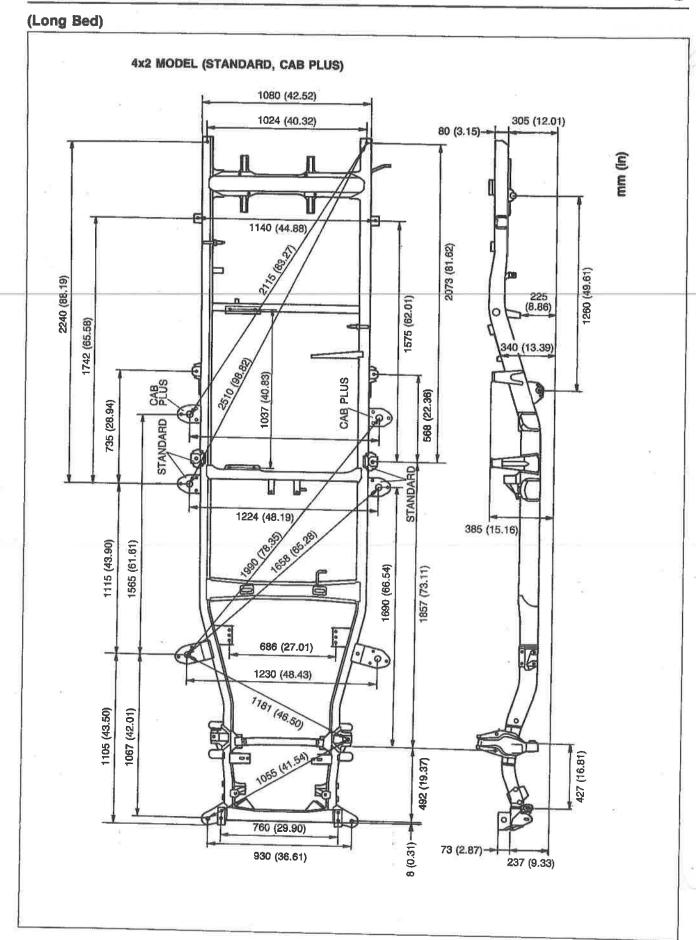
5. Fuel lid opener 6. Release wire (Opener side)

BODY DIMENSIONS

(Short Bed)







S-42

Long Bed)

