

DAIHATSU

Rocky

BODY

BODY	BO- 2	RADIATOR GRILLE	BO- 30
PARTS WHERE GALVANIZED STEEL		FRONT FENDER	BO- 32
SHEETS ARE USED	BO- 3	REAR WHEEL OPENING	
PARTS WHERE GALVANIZED STEEL		EXTENSION	BO- 34
SHEETS ARE USED	BO- 4	HOOD LOCK CONTROL CABLE	BO- 35
PARTS WHERE HIGH-TENSILE STEEL		WINDOWS	BO- 36
SHEETS ARE USED	BO- 5	FRONT DOOR	BO- 43
BODY SEALER	BO- 6	BACK DOOR	BO- 48
ALIGNMENT ADJUSTMENTS	BO- 8	REAR ROLL BAR	BO- 54
RESIN TOP VEHICLE	BO- 12	FUEL TANK	BO- 56
RESIN TOP	BO- 13	EXHAUST PIPE	BO- 62
SIMPLE TYPE TARPAULIN		INSTRUMENT PANEL	BO- 66
VEHICLE	BO- 18	TRIMS	BO- 81
TARPAULIN	BO- 19	FRONT SEAT	BO- 85
SUNROOF	BO- 22	REAR SEAT	BO- 93
MUDGUARD	BO- 24	SEAT BELTS	BO-107
FUEL LID OPENER	BO- 25	BODY MOUNTINGS	BO-108
FRONT BUMPER	BO- 27	FRAME	BO-109
REAR BUMPER	BO- 29	BODY DIMENSIONS	BO-110

BO

WRU90-BO001

BODY

There are two kinds of body shapes: They are the resin top specifications and the simple type tarpaulin specifications. These two specifications employ basically the same body construction.

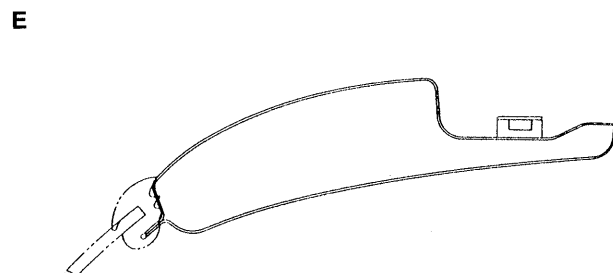
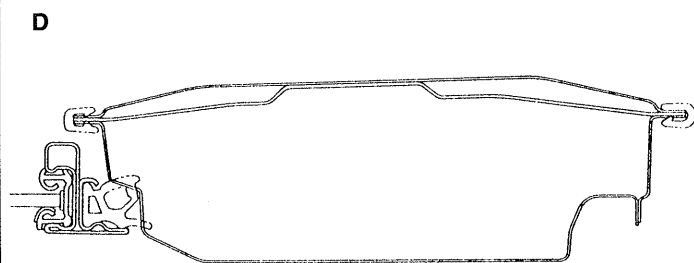
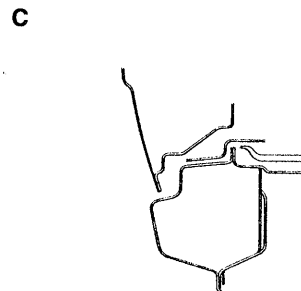
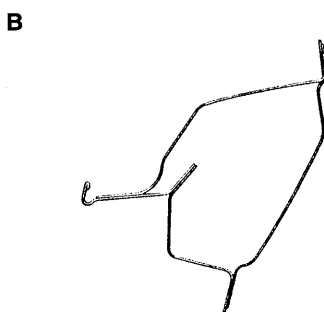
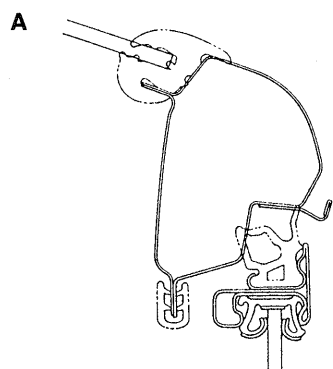
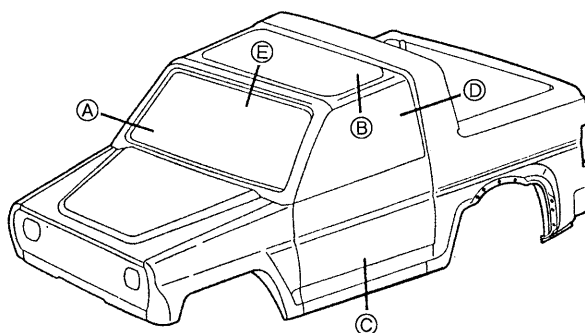
WRU90-BO002

Body Shell

Reinforcements are provided at various parts of the body in order that adequate rigidity may be assured and the noise and vibration levels may be reduced.

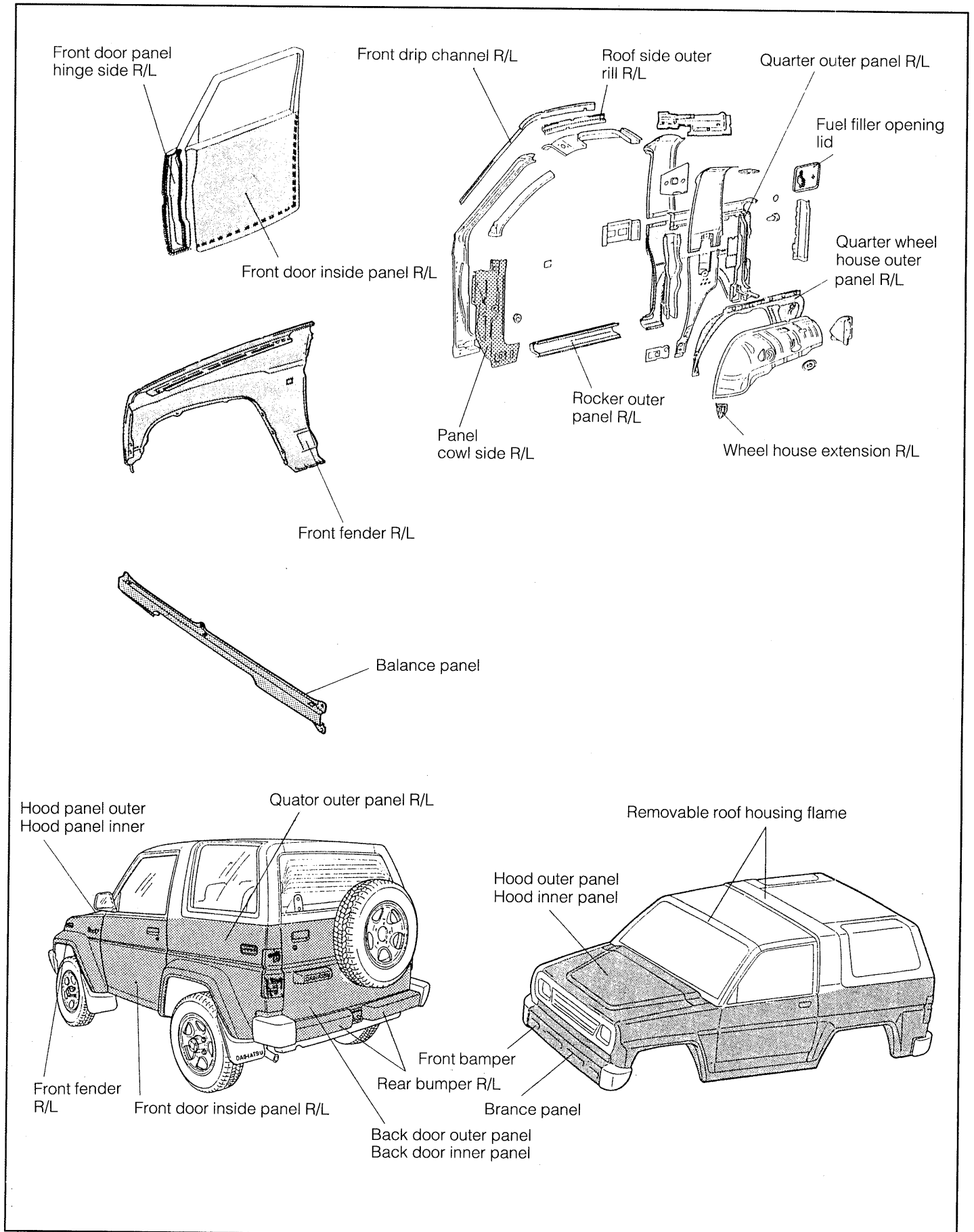
Basically, the resin top vehicle and soft top vehicle share the same shell.

The resin top vehicle (which has the identical body construction with the simple type tarpaulin vehicle) differs from the standard tarpaulin type vehicle in detailed construction.

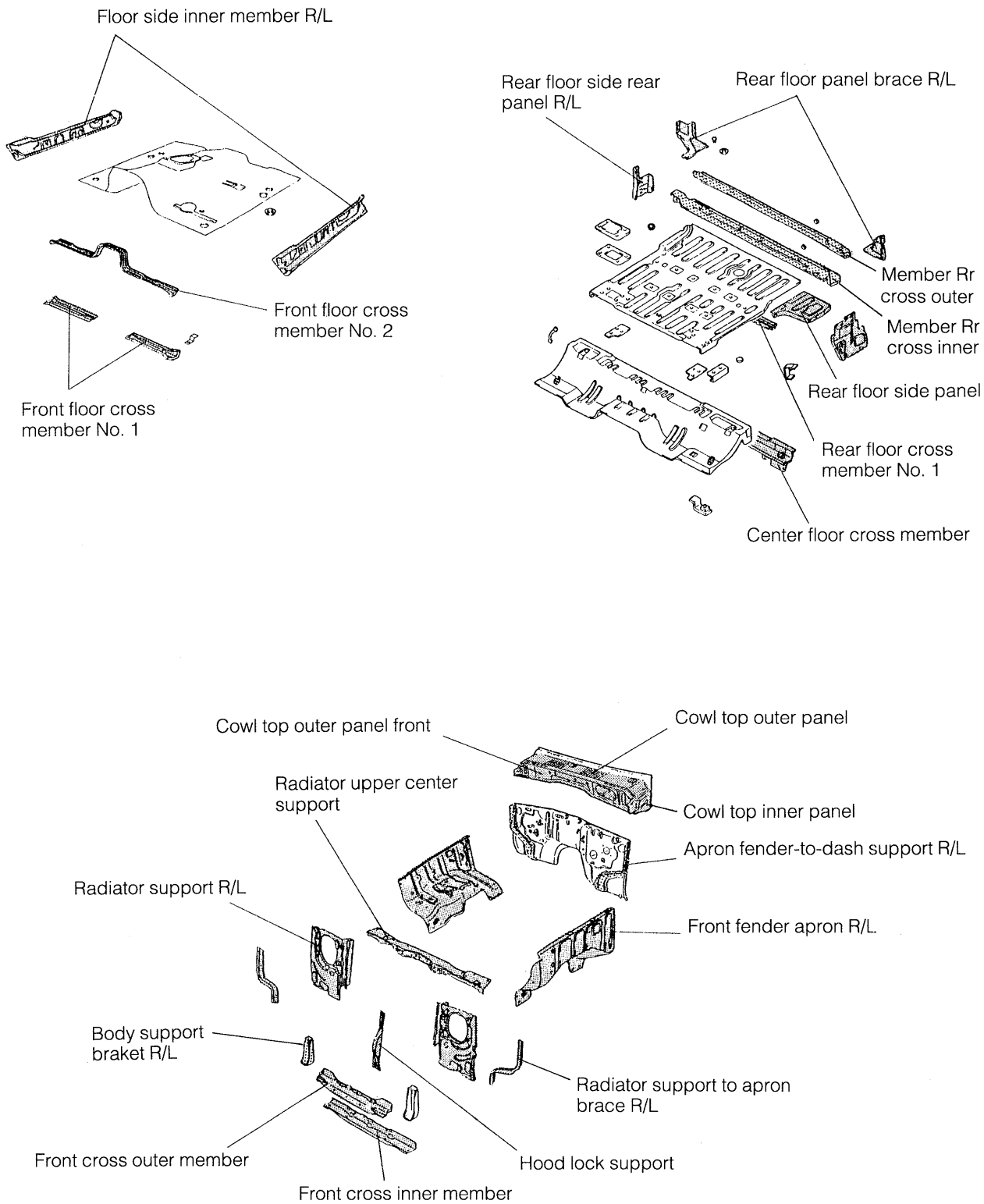


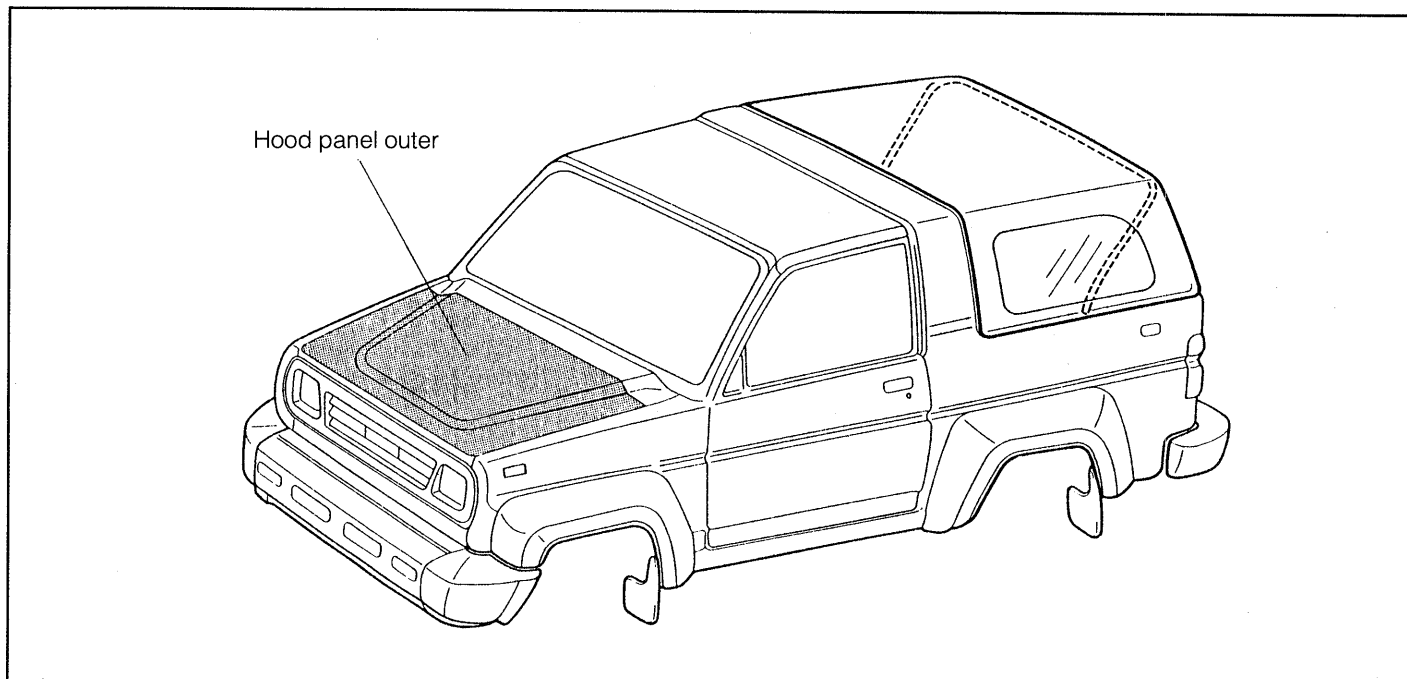
WRU90-BO003

PARTS WHERE GALVANIZED STEEL SHEETS ARE USED



PARTS WHERE GALVANIZED STEEL SHEETS ARE USED

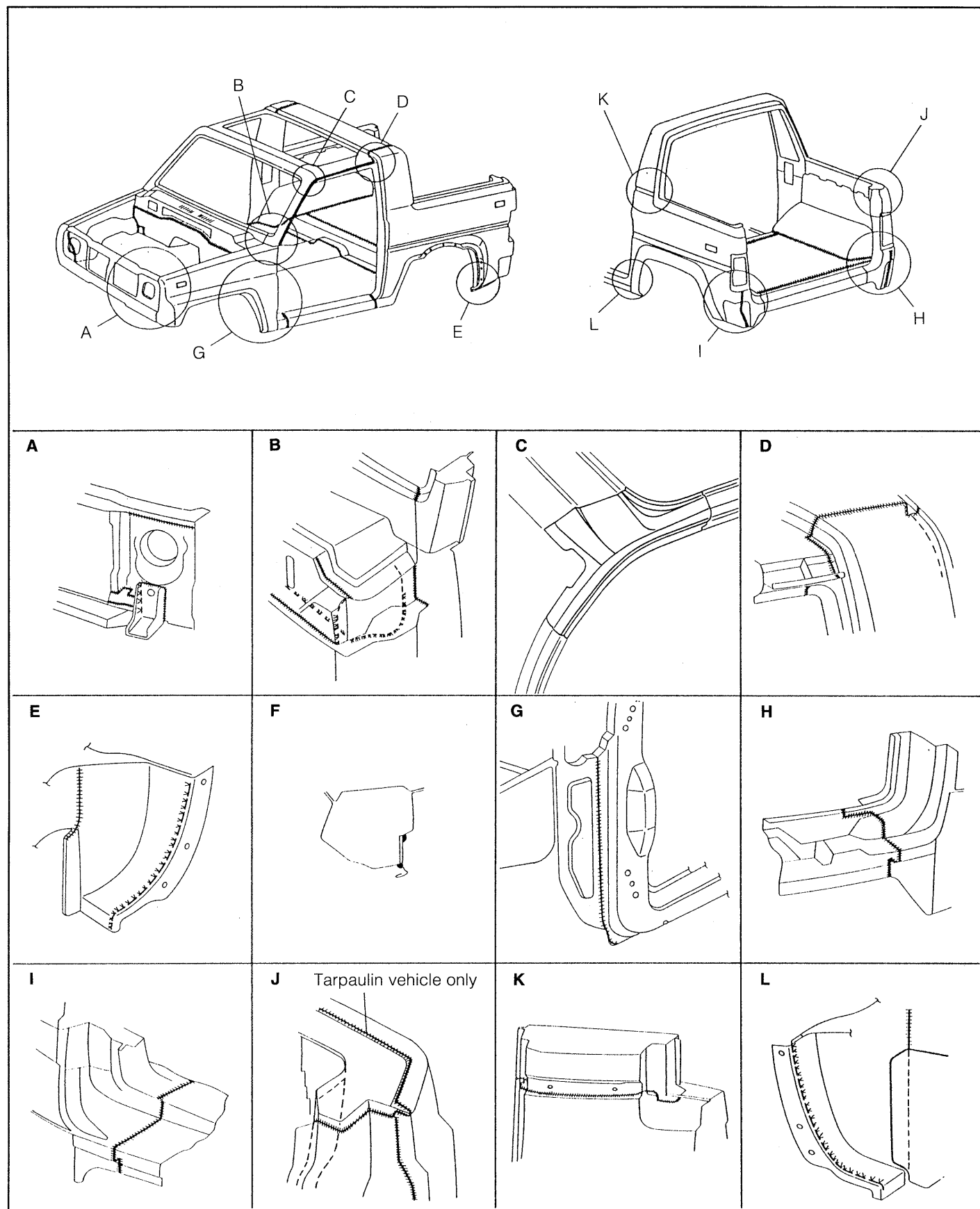


PARTS WHERE HIGH-TENSILE STEEL SHEETS ARE USED

WRU90-BO006

BODY SEALER

Body sealer is applied to the body panel mating surfaces and door-to-hood hemming sections so that rust preventive and water-proof characteristics may be strengthened.



BODY COLOR INFORMATION

Color code	Color	Color code	Color
045	White	25L (3HI/168)	Red Mica/Gray Metallic
3HI	Red Mica	NA5 (6A5/168)	Black Metallic/Gray Metallic
168	Gray Metallic	NB1 (G09/168)	Green/Gray Metallic
6A5	Black Metallic	NB3 (G12/168)	Trad Green Metallic/Grey Metallic
		NB4 (B22/168)	Marine Blue Metallic/Grey Metallic

WRU92-BO404

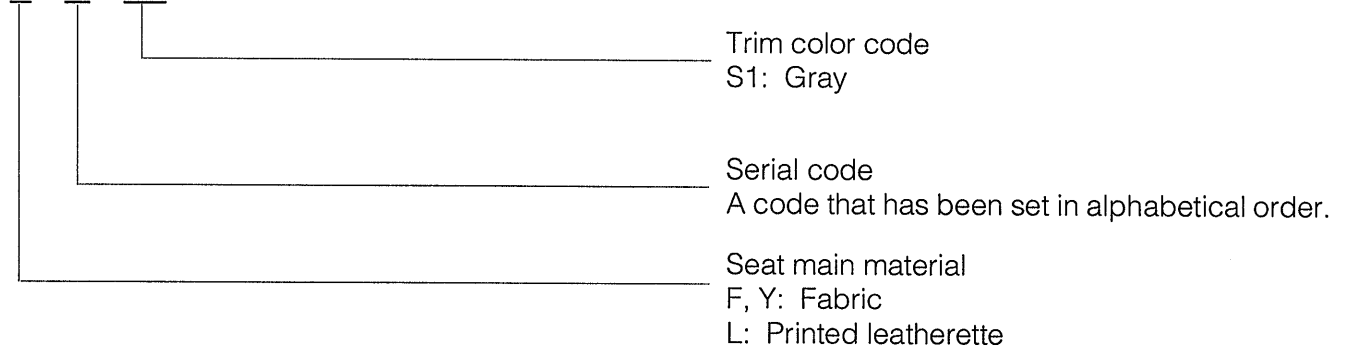
COLOR CODE OF THE WORLD

Color	CODE					
	DAIHATSU	AKZO	DUPONT	ICI	SPIES HECKER	STANDOX
WHITE	045	DAH045	L8997	NW-80	16067	045
RED MICA	3HI	DAH3HI	G8730	PC86B	97805	3HI
GRAY. M	168	DAH168	N8832	B936B	97728	168
BLACK. M	6A5	DAH6A5	G8742	A403B	97806	6A5
TWO TONE	25L	DAH25L	G8730/N8832	PC86B/B936B	48226	25L
TWO TONE	NA5	DAHNA5	G8742/N8832	B929B/B936B	48233	NA5
TWO TONE	NB1	DAHNB1	N9305/N8832	XW13/B936B	48480	NB1
TWO TONE	NB3	DAHNB3	L9652/N8832	D575B/B936B	48715	NB3
TWO TONE	NB4	DAHNB4	L9651/N8832	D576B/B936B	48716	NB4

WRU92-BO405

Trim informations

F D S1

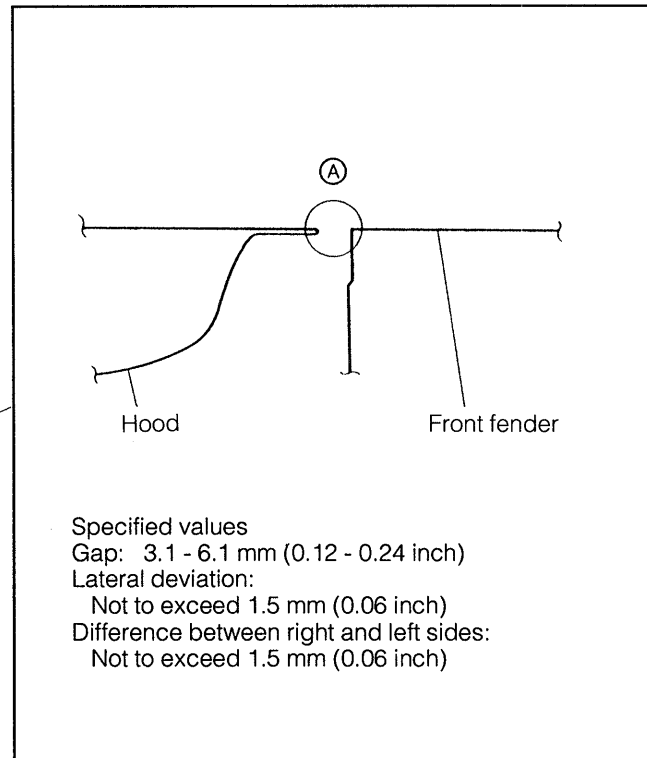
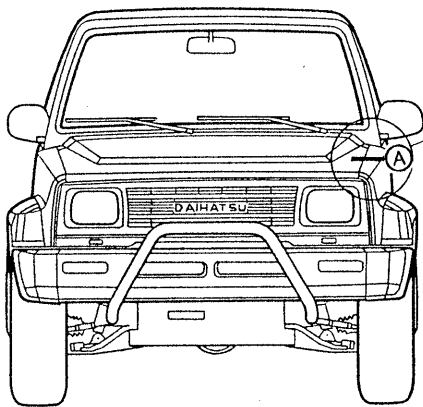


WRU92-BO402

ALIGNMENT ADJUSTMENTS

ENGINE HOOD ALIGNMENT ADJUSTMENT

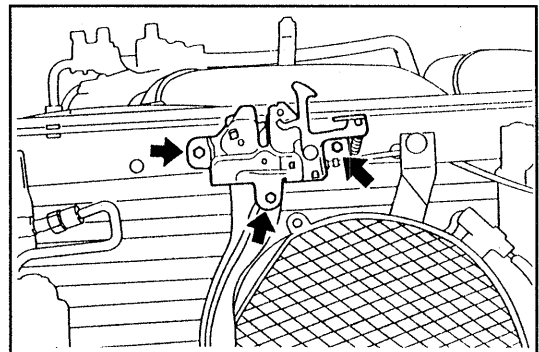
Engine hood-to-front fender gap



WRU90-B0009

1. Adjustment of engine hood-to-front fender gap

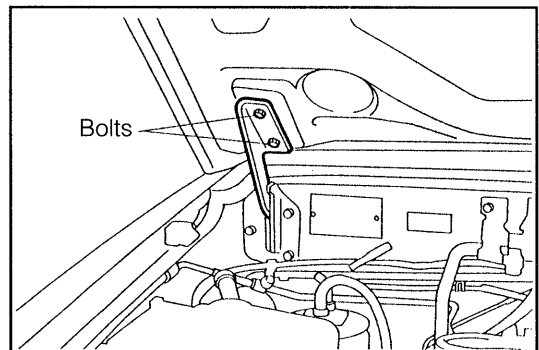
Loosen the bolts. Perform the adjustment by moving the hood.



WRU90-B0010

2. Hood lock adjustment

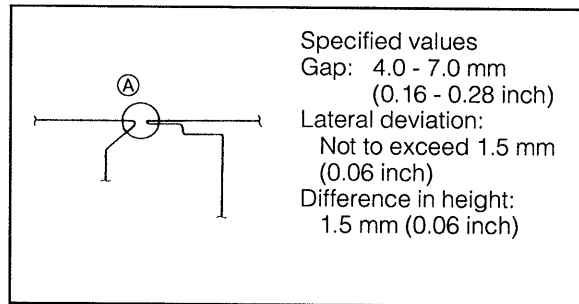
Loosen the three attaching bolts of the hood lock. Perform the adjustment by moving the hood lock.
 (Adjust the hood lock in such a way that you will feel a slight looseness when the center section of the hood end is pushed strongly.)



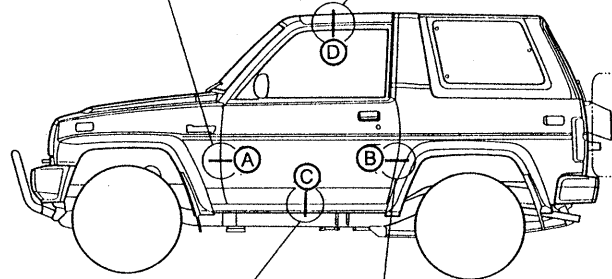
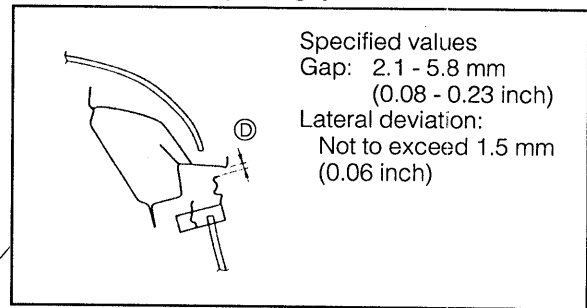
WRU90-B0011

FRONT DOOR ALIGNMENT ADJUSTMENT

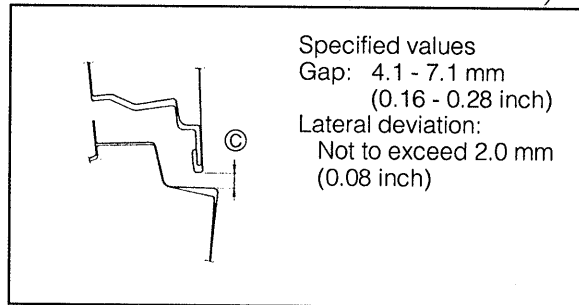
Front door-to-front fender gap



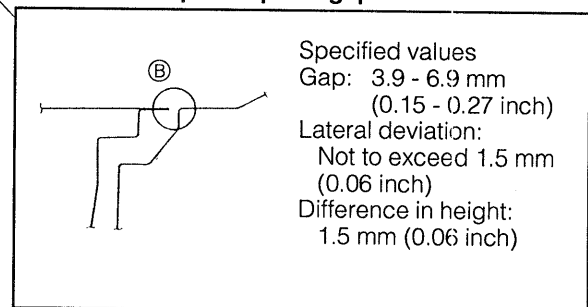
Front door-to-roof panel gap



Front door-to-rocker panel gap



Front door-to-quarter panel gap



1. Adjustment of front door-to-front fender gap and front door-to-quarter panel gap (A and B)

Loosen the bolts (a). Perform the adjustment by moving the door panel in a fore-and-aft direction.

SST: 09812-00010-000

2. Adjustment of front door-to-rocker panel gap and front door-to-roof panel gap (C and D)

Loosen the bolts (a). Perform the adjustment by moving the door panel in an up-and-down direction.

SST: 09812-00010-000

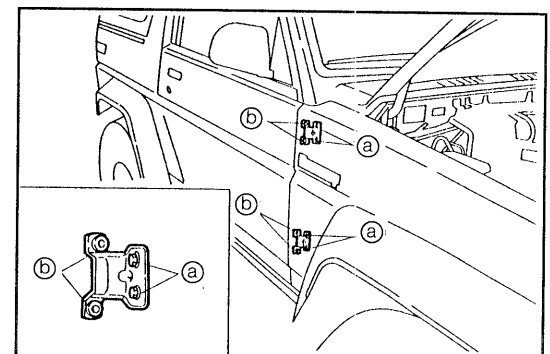
3. Adjust of difference in height between front door and front fender

Loosen the bolts (b). Perform the adjustment by moving the door panel in a right-and-left direction.

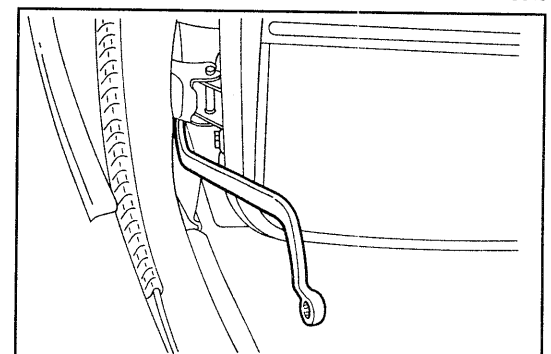
SST: 09812-00010-000

NOTE:

When removing the door, remove the bolts (b).



WRU90-BO012



WRU90-BO013

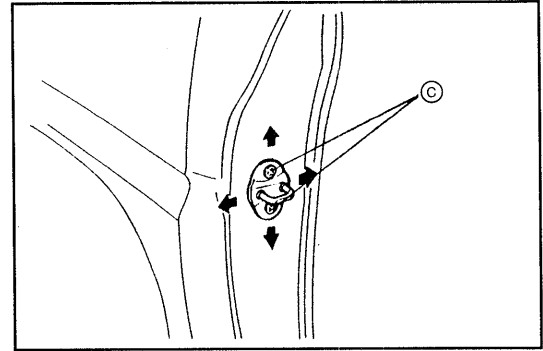
WRU90-BO014

4. Door lock adjustment

Loosen the screws ③ of the lock striker. Perform the adjustment by tapping the striker lightly.

NOTE:

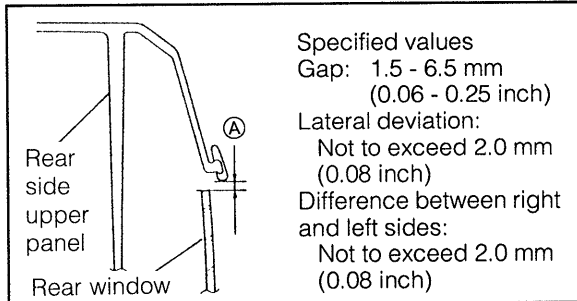
Never attempt to correct the door sagging at its rear part by the adjustment of this lock striker. The correction should be made by adjusting the door hinge section.



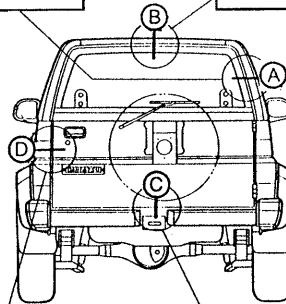
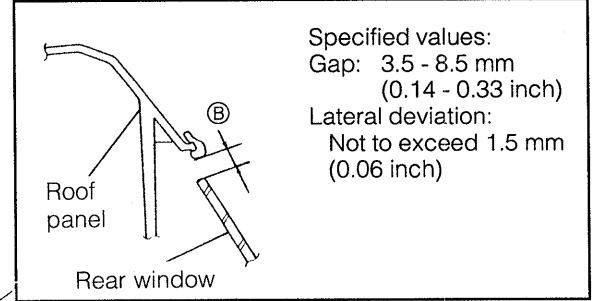
WRU90-BO015

BACK DOOR ALIGNMENT ADJUSTMENT

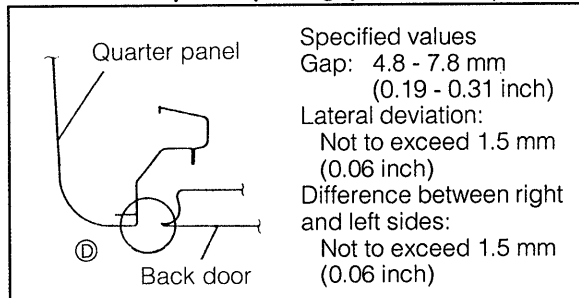
Rear window-to-rear side upper panel gap



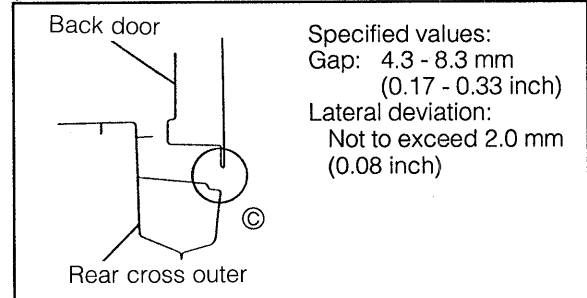
Rear window-to-roof panel gap



Back door-to-quarter panel gap



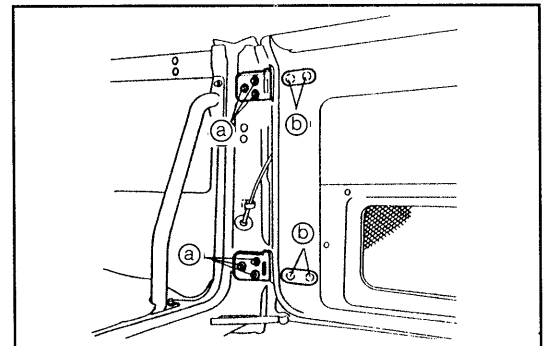
Back door-to-rear cross over



WRU90-BO016

1. Adjustments of rear window-to-rear side upper panel gap, Back window-to-roof panel gap, Back door-to-quarter panel gap, Back door-to-cross over

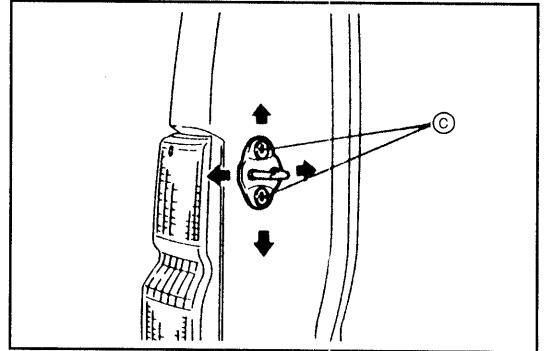
- (1) Loosen the bolts ①. Perform the adjustment.
- (2) If the adjustment can not be performed properly, loosen the nuts ② at the adjustment.



WRU90-BO017

2. Back door lock adjustment

Loosen the screw ③ of the lock striker. Perform the adjustment by tapping the striker lightly.



WRU90-BO018

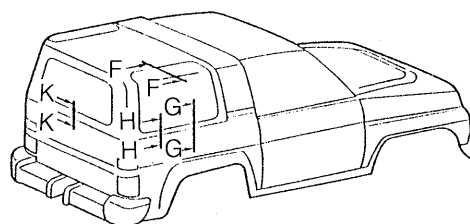
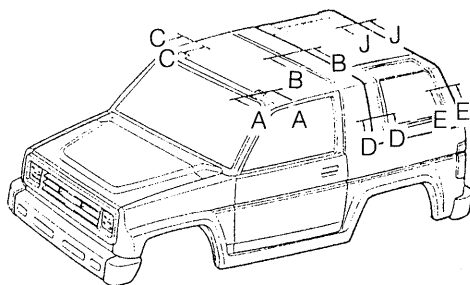
RESIN TOP VEHICLE

The rear upper body made of FRP (fiber glass reinforced plastic) is composed of a roof panel and side panels. The front roof is equipped with an FRP removable type roof.

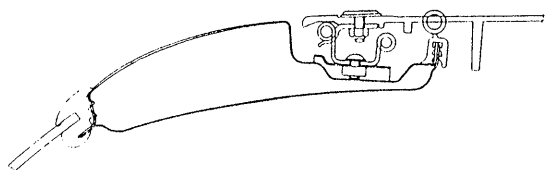
The rear upper body section is attached to the body by means of bolts. Such construction allows easy removal and installation of this section. It is, therefore, possible to replace this section with the simple type tarpaulin which is available as optional equipment.

Furthermore, as regards the front roof, it incorporates a tilt- up mechanism which allows the rear part of the roof to be raised.

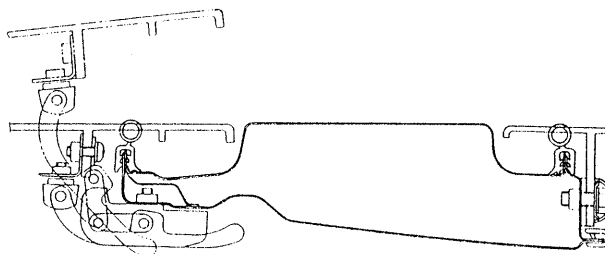
The back door glass has been so designed that it can be removed or installed easily from the back door panel.



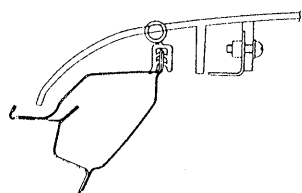
A



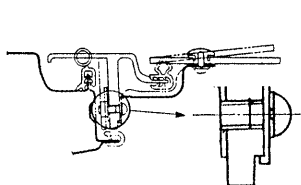
B



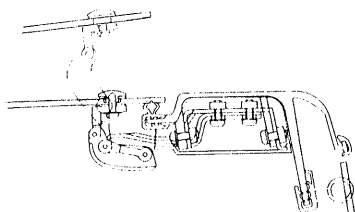
C



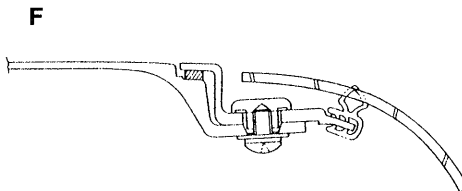
D



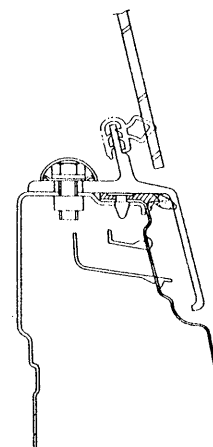
E



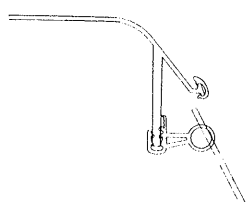
F



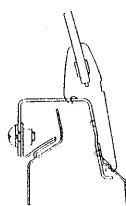
G, H



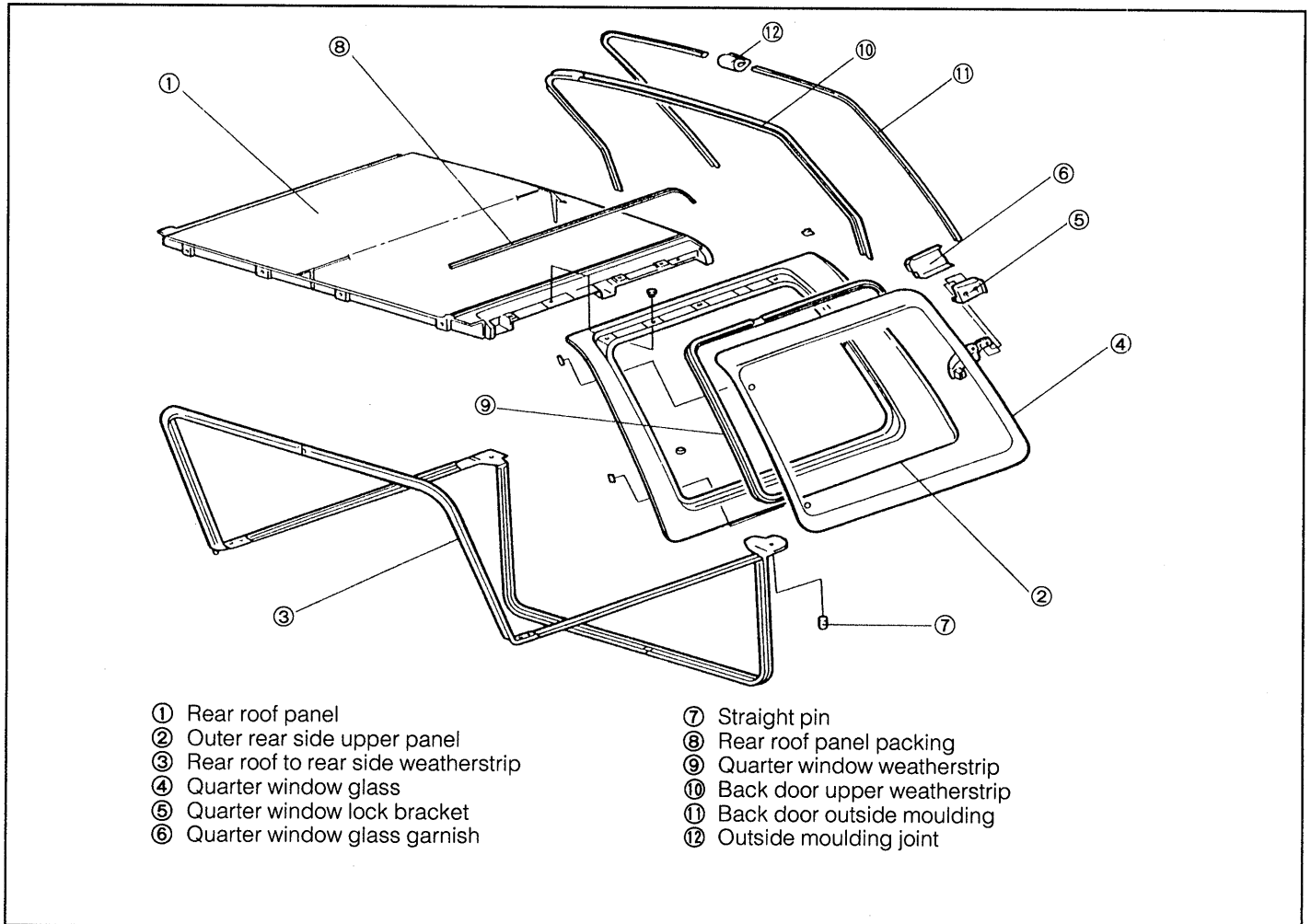
J



K



RESIN TOP COMPONENTS



WRU90-BO020

REMOVAL

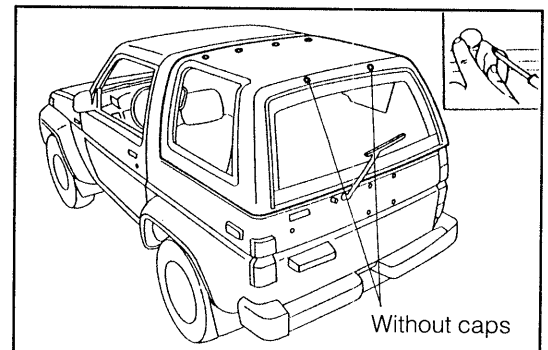
1. Remove the caps for resin panel attaching bolts (10 points). Then remove the resin top panel attaching bolts (12 points).

NOTE:

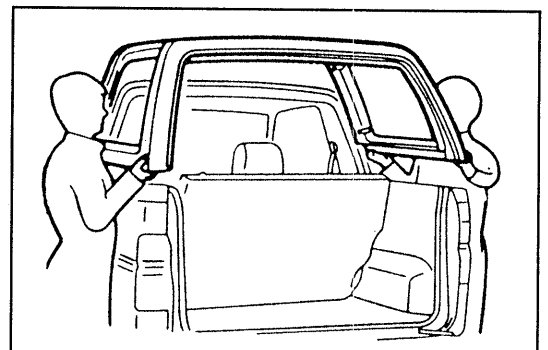
When removing the caps, use a cloth to avoid any damage to the vehicle body.

2. Remove the mounting roll over bracket by removing the screws.

3. Remove the resin top panel from the vehicle.



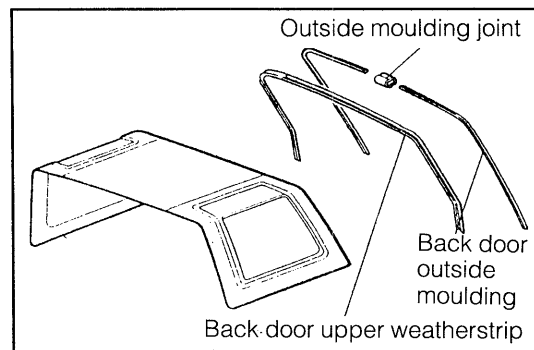
WRU90-BO021



WRU90-BO022

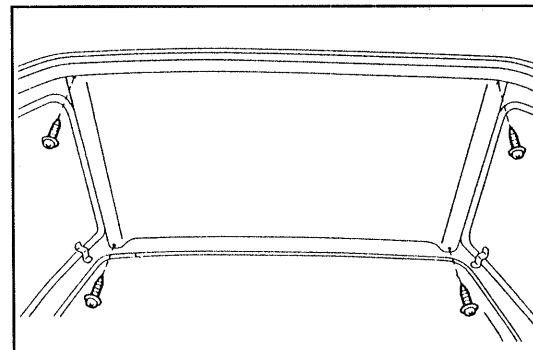
DISASSEMBLY

1. Remove the quarter window glass-related parts.
2. Remove the outside moulding joint, back door outside moulding and back door upper weatherstrip.



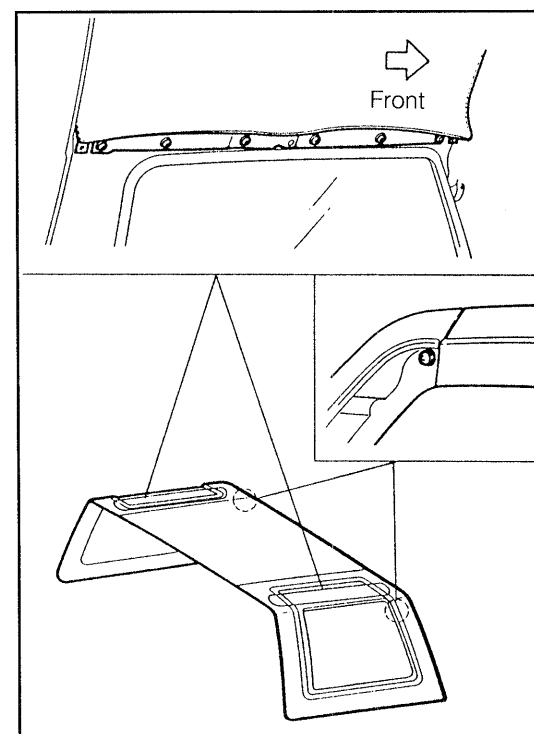
WRU90-BO023

3. Remove the roof headlining trim retainer by removing the screws.



WRU90-BO024

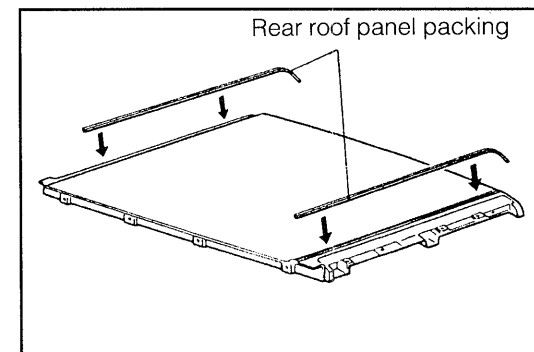
4. Separate the rear roof panel and outer rear side upper panel by removing the screws.
5. Remove the rear roof panel packing.



WRU90-BO025

ASSEMBLY

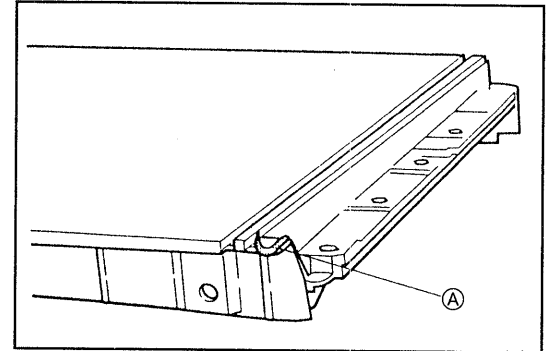
1. Peel off the liner of a two-faced adhesive tape which is installed on the rear roof panel packing. Then, install the rear roof panel packing onto the rear roof panel.



WRU90-BO026

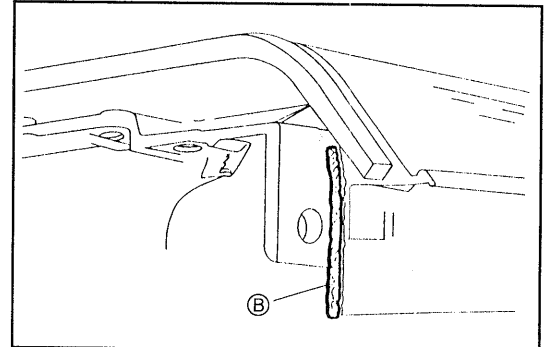
2. Apply the adhesive agent specified below to the section ① (both right and left sides) at the front side of the rear roof panel, as indicated in the right figure.

Adhesive Agent To Be Used: Sunstar-Made Penguin Seal # 255A



WRU90-BO027

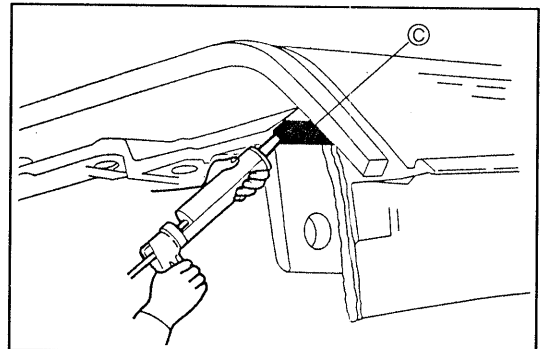
3. Affix the packing to the section ② at the rear side of the rear roof panel.



WRU90-BO028

4. Apply the adhesive agent specified below to the section ③ (both right and left sides) at the rear side of the rear roof panel, as indicated in the right figure.

Adhesive Agent To Be Used: Cemedine 370S

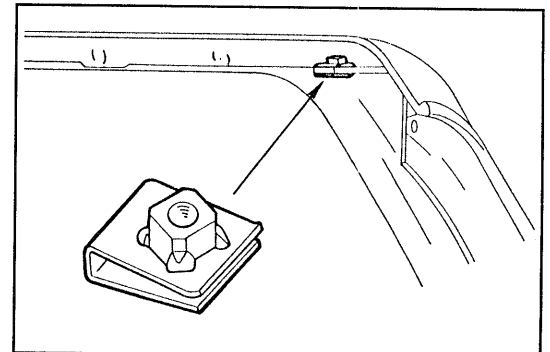


WRU90-BO029

5. Install the plate nut on the outer rear side upper panel.

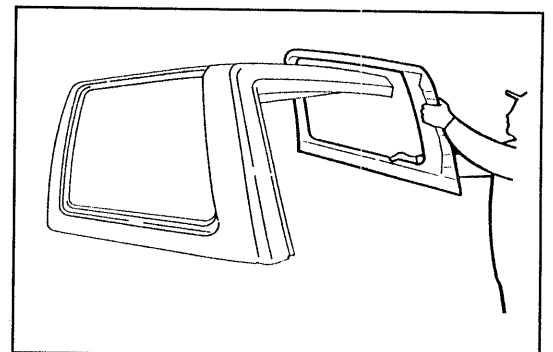
NOTE:

Be sure to install the plate nut in such a direction that the nut side may face upward.



WRU90-BO030

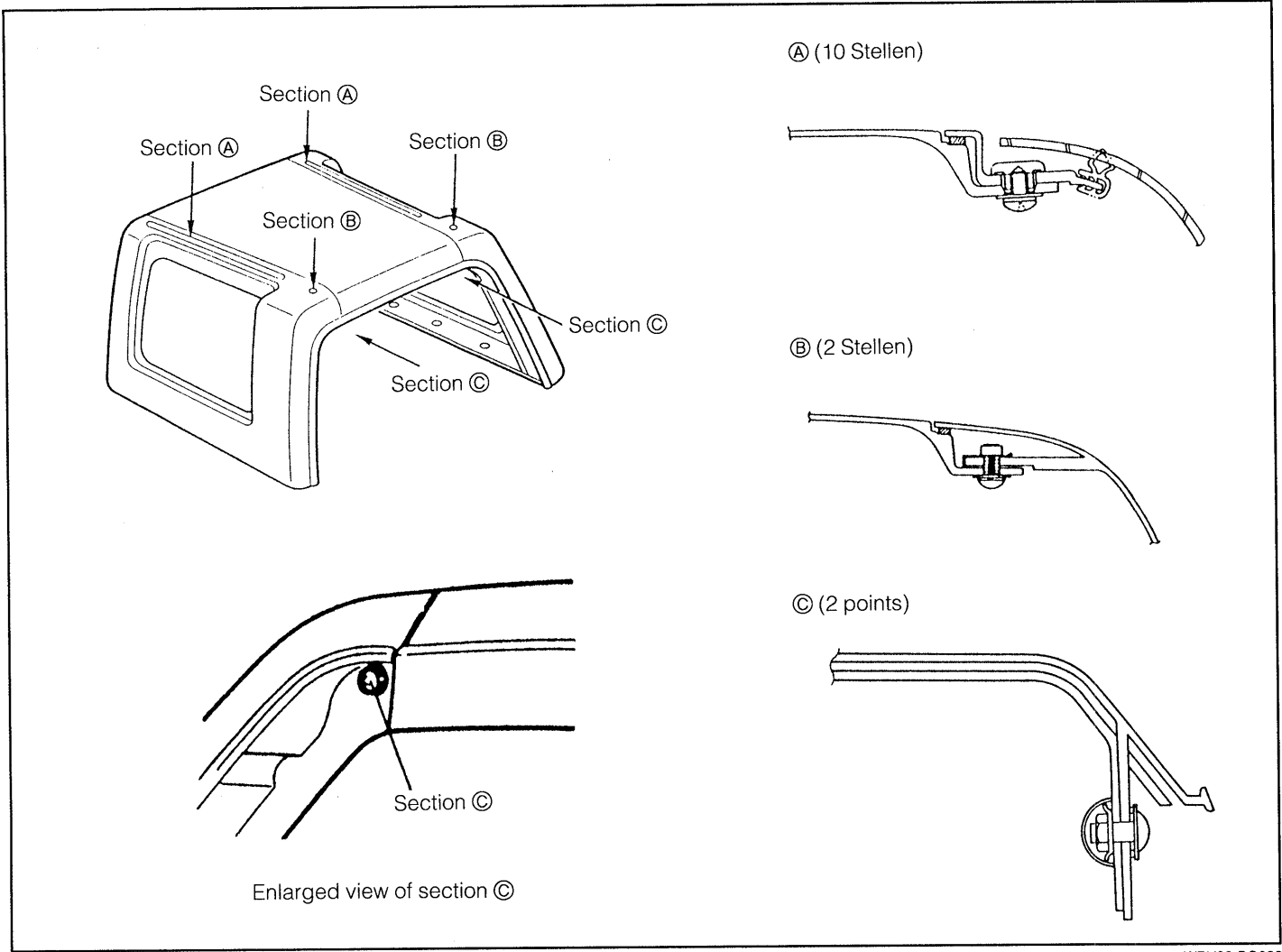
6. Install the outer rear side upper panel on the rear roof panel.



WRU90-BO031

BODY

7. Secure the rear roof panel and outer rear side upper panel, referring to the attachment sectional views below.



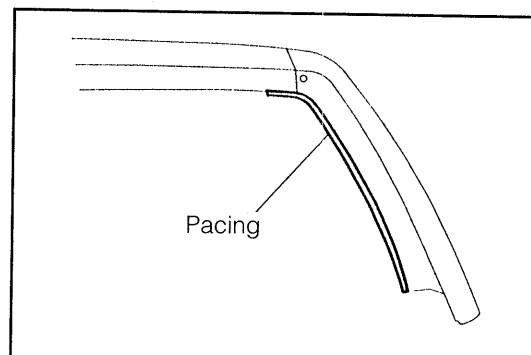
WRU90-BO032

Table of Bolts and Nuts, etc.

Section A	Section B	Section C
<p>① Rear roof-to-rear side upper retainer</p> <p>② Screw with washer Nominal dimension: 15 mm (0.56 inch)</p>	<p>① Plate nut</p> <p>② Screw with washer Nominal dimension: 27 mm (1.06 inches)</p>	<p>① Bolt cap</p> <p>② Nut</p> <p>③ Screw with washer Nominal dimension: 20 mm (0.79 inch)</p> <p>NOTE: Use a screw having the same color as with the rear roof panel.</p> <p>④ Rear side panel upper plate</p> <p>⑤ Gasket</p>

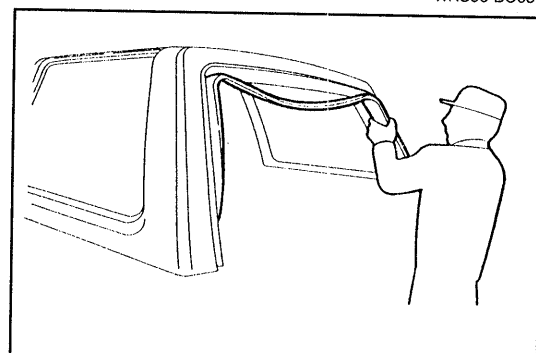
WRU90-BO033

8. Affix the back door opening packing on the rear roof panel.



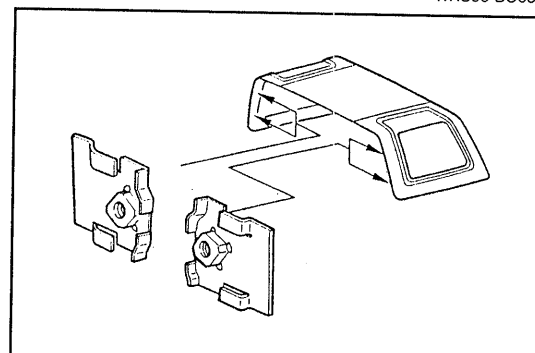
WRU90-BO034

9. Install the back door upper weatherstrip to the rear roof panel.



WRU90-BO035

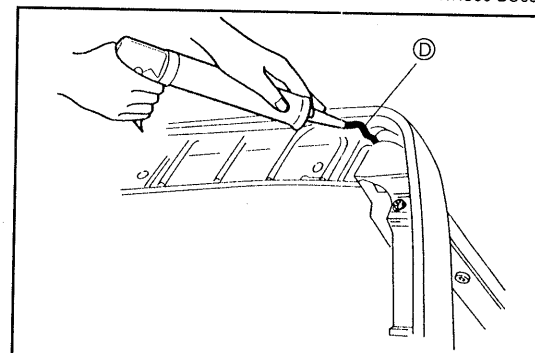
10. Insert the nut plate into the corresponding section of the rear roof panel, as indicated in the right figure.



WRU90-BO036

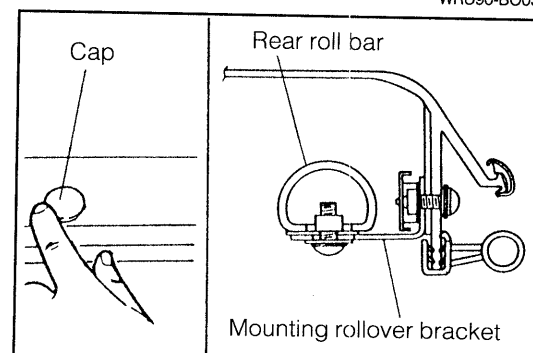
11. Apply the following bonding agent given below to the front side of the rear roof panel at the section D (both right and left sides), as indicated in the right figure.

Bonding Agent: Cemedine 370S



WRU90-BO037

12. Install the resin top panel to the vehicle.
 13. Install the attaching bolts and caps (10 points).
 14. Install the mounting roll over bracket with the screws.
 15. Install the quarter window assembly.



WRU90-BO038

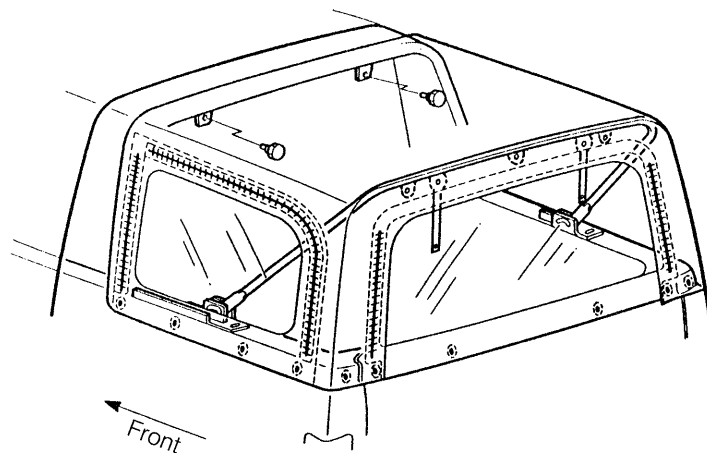
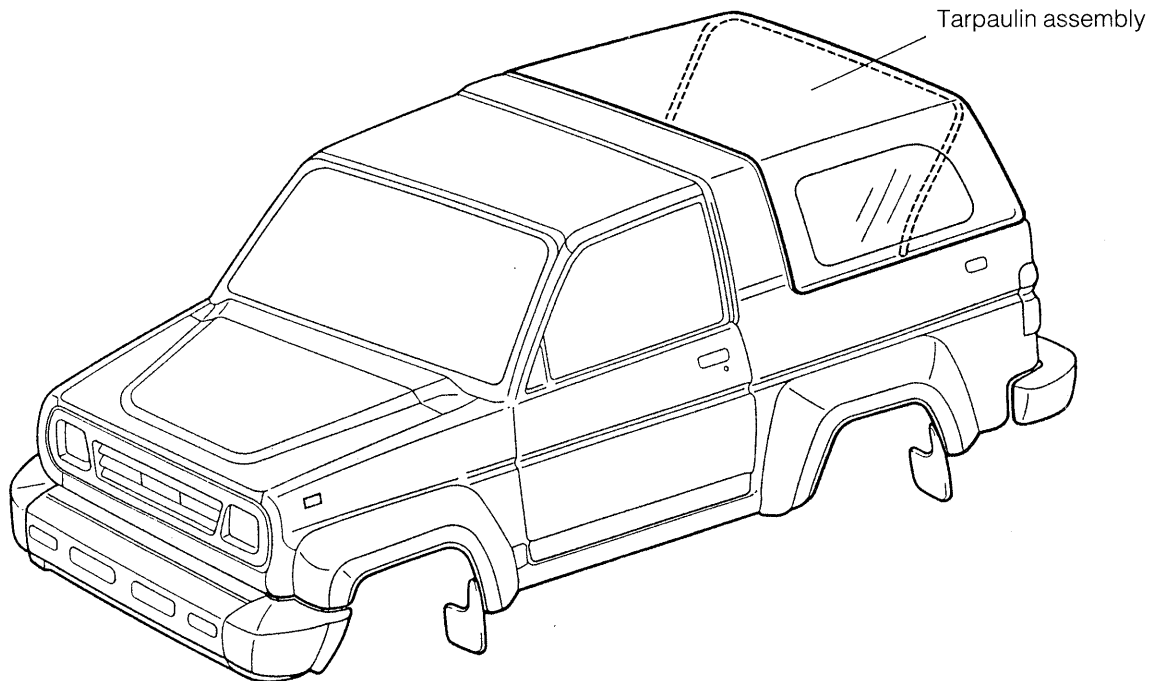
SIMPLE TYPE TARPAULIN VEHICLE

The simple type tarpaulin has been so constructed that it can be mounted easily by the owner after removing the rear upper body of the standard vehicle and resin top vehicle.

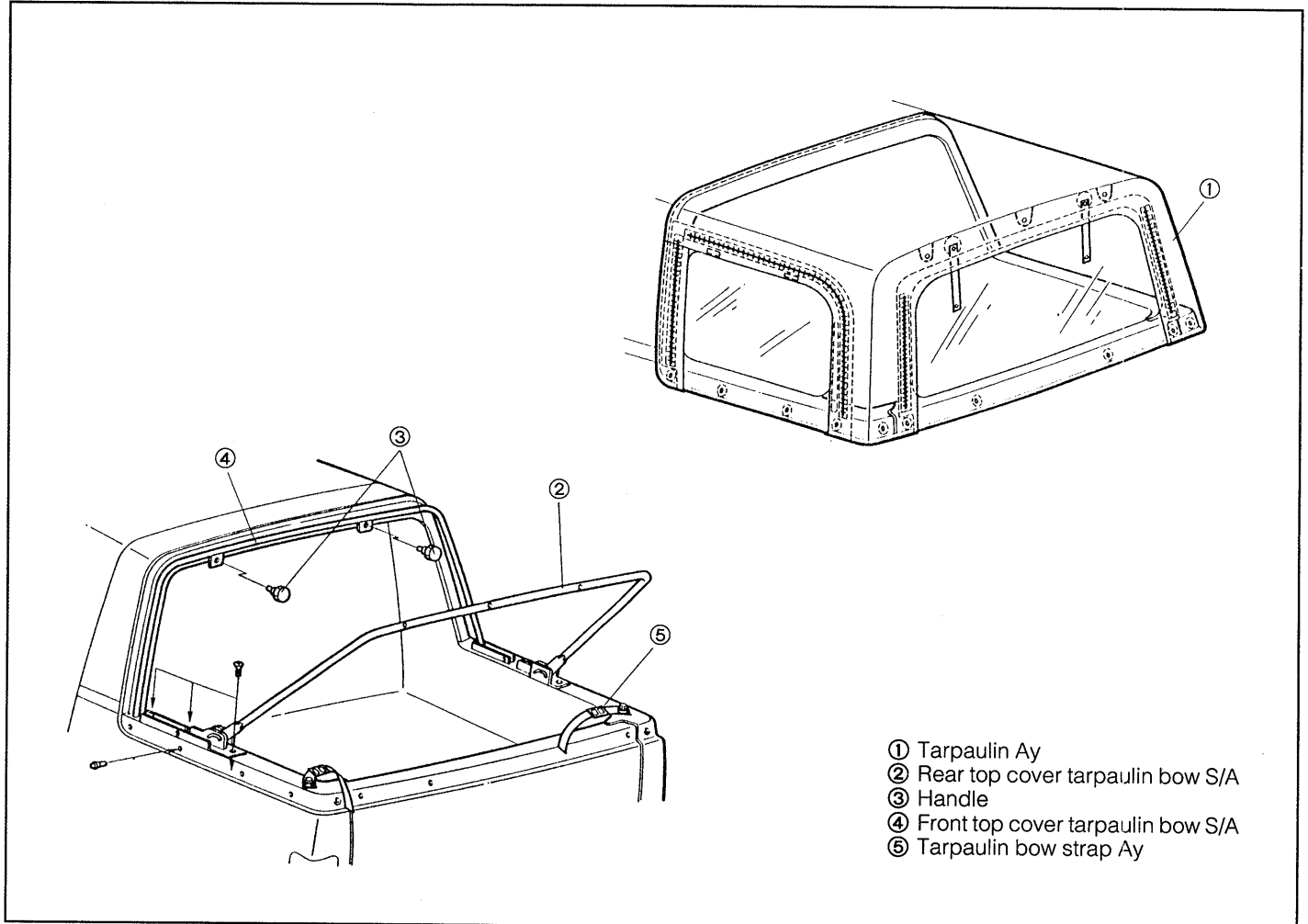
The tarpaulin assembly employs a 0.67 mm (0.026 inch) thick polyester canvas. For enhance water-proof characteristics, it adopts a 0.8 mm (0.031 inch) thick transparent vinyl chloride at the back window and quarter window sections.

Furthermore, the simple type tarpaulin has been so designed that the quarter window section can be removed by opening the fastener and the back window section can be wound up, as required.

As respects the tarpaulin frame, it has been so constructed that it can be folded easily. In addition, the tarpaulin frame can be removed or installed easily from the vehicle body.



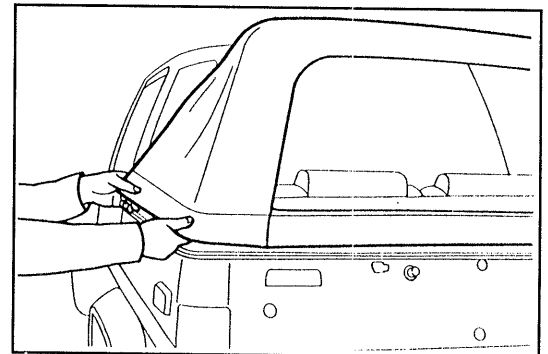
TARPAULIN COMPONENTS



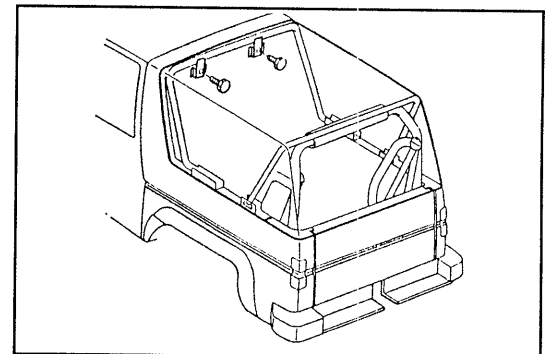
WRU90-BO040

REMOVAL

1. Detach the hooks (14 points) of the tarpaulin.
2. Detach the hooks (3 points) from the rear bow.
3. Remove the two handles that retain the front tarpaulin bow assembly.
4. Remove the tarpaulin assembly from the front tarpaulin bow assembly.



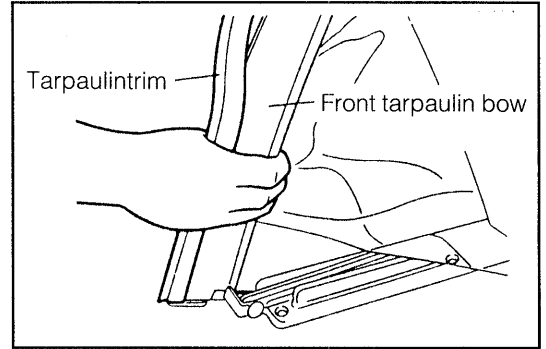
WRU90-BO041



WRU90-BO042

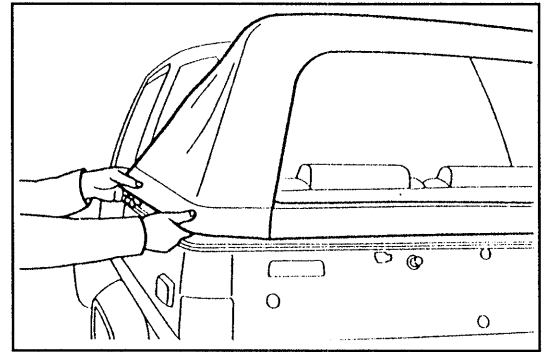
INSTALLATION

1. Install the tarpaulin trim (tarpaulin assembly) to the front tarpaulin bow.
2. Fix the front tarpaulin bow with two handles.



WRU90-BO043

3. Install the hooks (3 points) to the rear bow.
4. Install the hooks (14 points) of the tarpaulin to the male hooks of the vehicle body.



WRU90-BO044

TARPAULIN BOW

REMOVAL

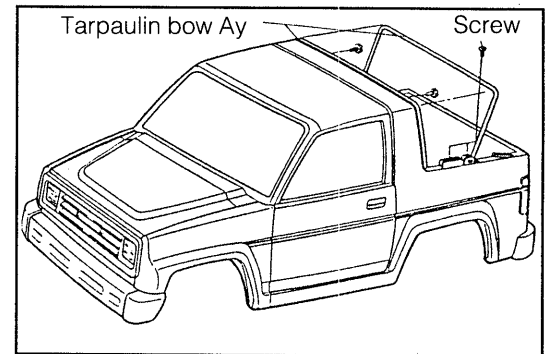
1. Remove the tarpaulin assembly.
2. Remove the tarpaulin bow assembly by removing the six screws.

INSTALLATION

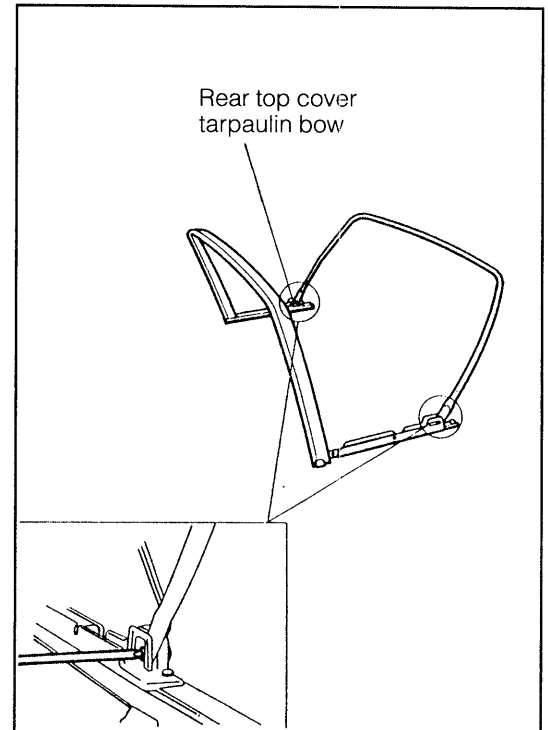
1. Install the tarpaulin bow assembly with the six screws.
2. Install the tarpaulin assembly.

DISASSEMBLY

1. Removal of rear top cover tarpaulin bow subassembly.
 - (1) Remove the nut.
 - (2) Remove the washer and head pin from the tarpaulin bow base.
 - (3) Remove the rear top cover tarpaulin bow subassembly from the tarpaulin bow base.
2. Removal of front top cover tarpaulin bow subassembly
 - (1) Remove the "E" ring.
 - (2) Remove the head pin from the tarpaulin bow base.
 - (3) Remove the front top cover tarpaulin bow subassembly from the tarpaulin bow base.



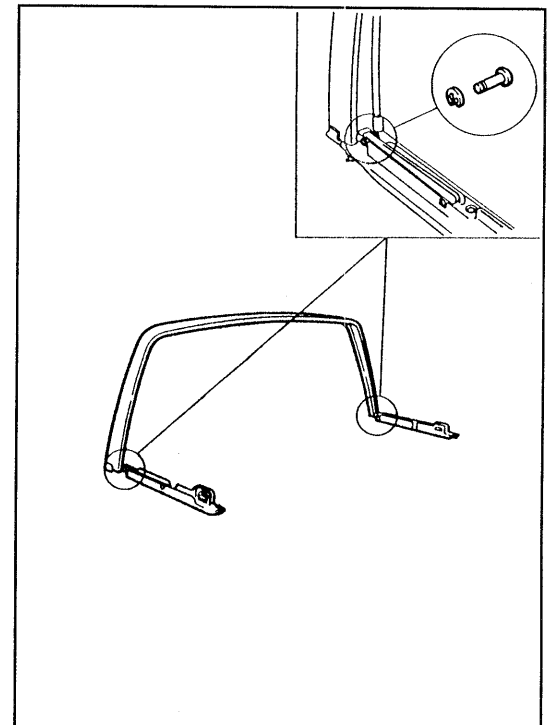
WRU90-BO045



WRU90-BO046

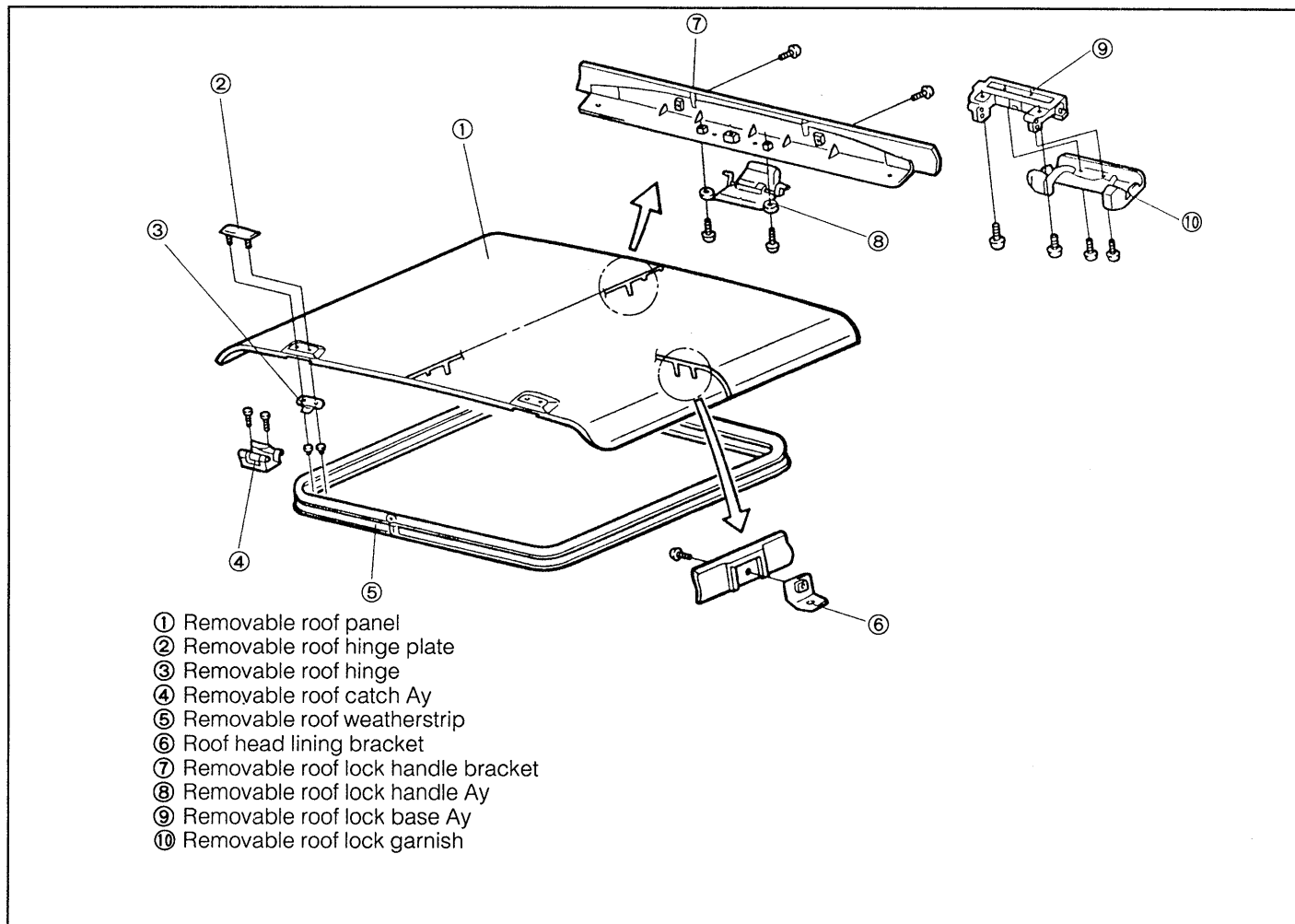
ASSEMBLY

1. Installation of front top cover tarpaulin bow subassembly
 - (1) Install the front top cover tarpaulin bow subassembly to the tarpaulin bow base.
 - (2) Install the head pin and "E" ring.
2. Installation of rear top cover tarpaulin bow subassembly
 - (1) Install the rear top cover tarpaulin bow subassembly to the tarpaulin bow base.
 - (2) Install the head pin, washer and nut.



WRU90-BO047

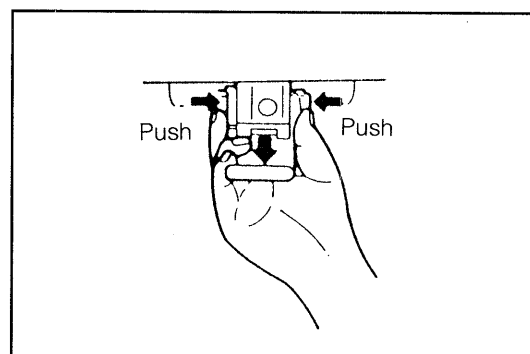
SUNROOF COMPONENTS



WRU90-BO048

REMOVAL

1. Removal of removable roof lock handle assembly
 - (1) Pull the handle toward you while pushing the lock buttons.
 - (2) Remove the handle from the vehicle by pushing the links at the right and left sides.



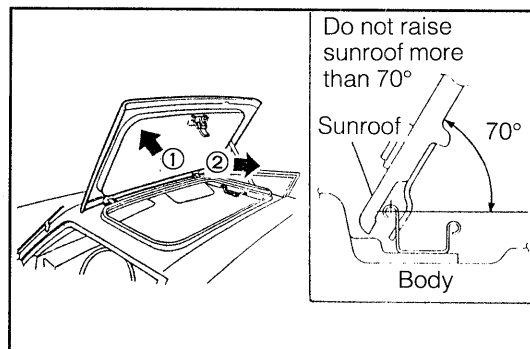
WRU90-BO049

3. Raise the roof. Remove the roof by pulling it upward.

NOTE:

Do not raise the sunroof more than 70 degrees. If the sunroof is raised in excess of 70 degrees, the sunroof will interfere with the body, resulting in hinge deformation or sunroof breakage.

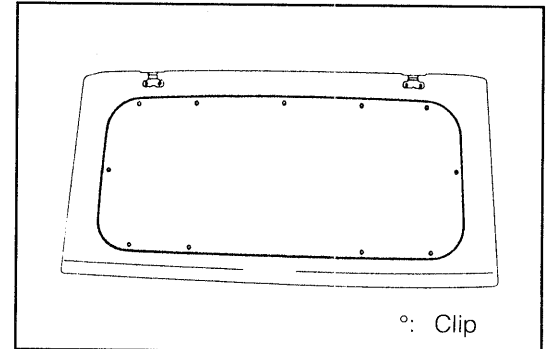
When the sun roof is removed, do not hang on or sit on the sunroof frame.



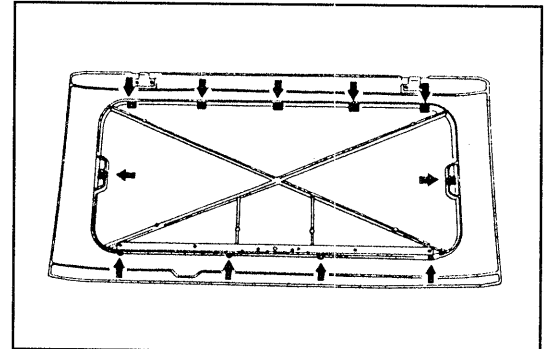
WRU90-BO050

DISASSEMBLY

1. Remove the sunroof headlining assembly by removing the clips.
2. Remove the roof headlining bracket and removable roof lock handle bracket by removing the screws.
3. Remove the removable roof hinge plate and removable roof hinge by removing the nuts.



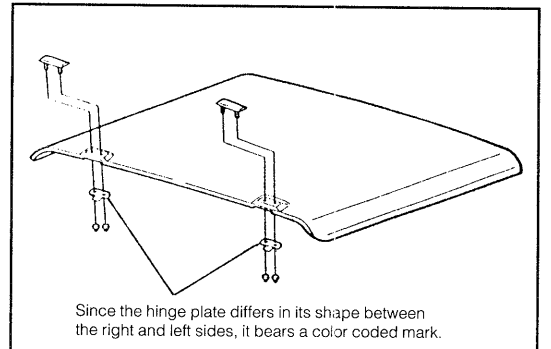
WRU90-BO051



WRU90-BO052

ASSEMBLY

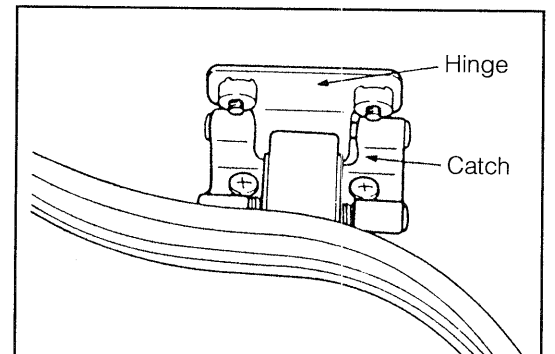
1. Install the removable roof hinge plate and removable roof hinge with the nuts.
2. Install the roof headlining bracket and removable roof lock handle bracket with the screws.
3. Installation of sunroof headlining assembly
 - (1) Ensure that the clips are attached to the sunroof headlining assembly.
 - (2) Install the sunroof headlining assembly to the roof panel.



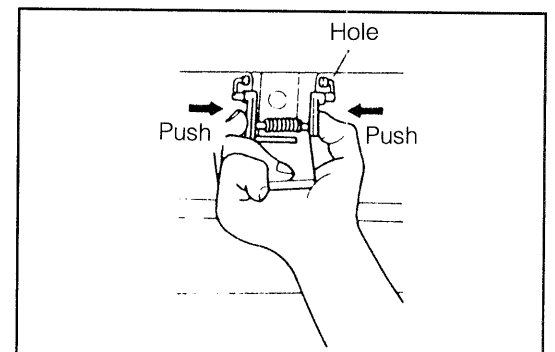
WRU90-BO053

INSTALLATION

1. Align the hinge on the sunroof front end to catch on the roof front open end then push into position from diagonally upper back direction.
2. Close the roof, push the left and right links on the handle and push into the hole on the base securely.
3. Lock the handle by pushing it until clicking sound can be heard. Make sure that the handle is locked.

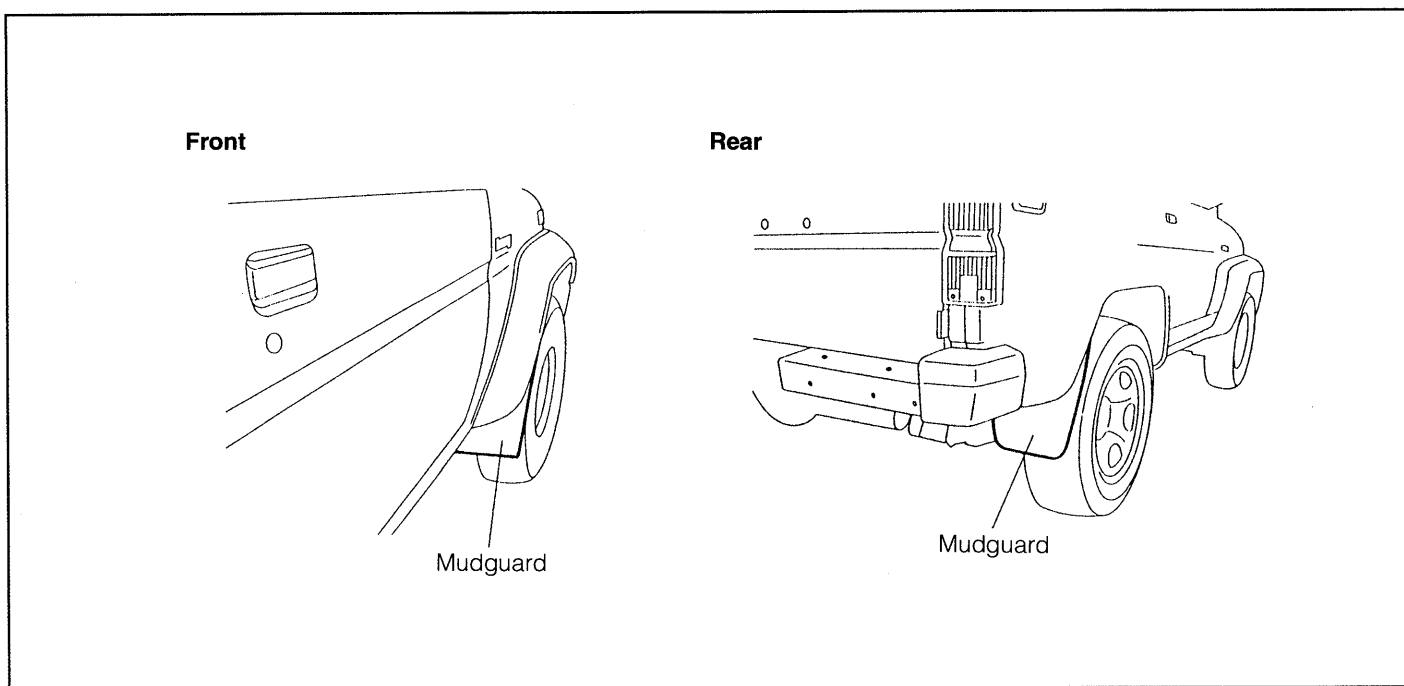


WRU90-BO054



WRU90-BO055

MUDGUARD



WRU90-BO056

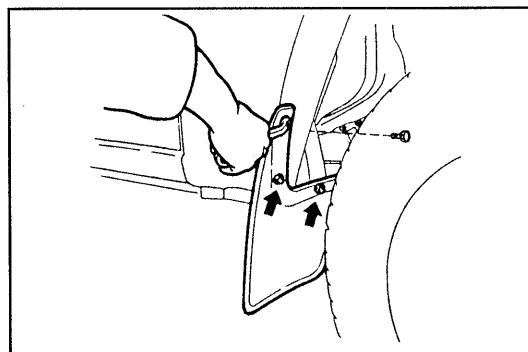
FRONT MUDGUARD

REMOVAL

1. Remove the front mudguard by removing the screws.
2. Remove the front mudguard bracket by removing the bolt.

INSTALLATION

1. Install the front mudguard bracket with the bolt.
2. Install the front mudguard with the screws.

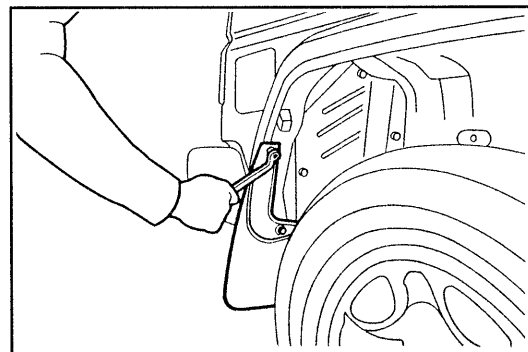


WRU90-BO057

REAR MUDGUARD

REMOVAL

1. Remove the rear mudguard by removing the screws.



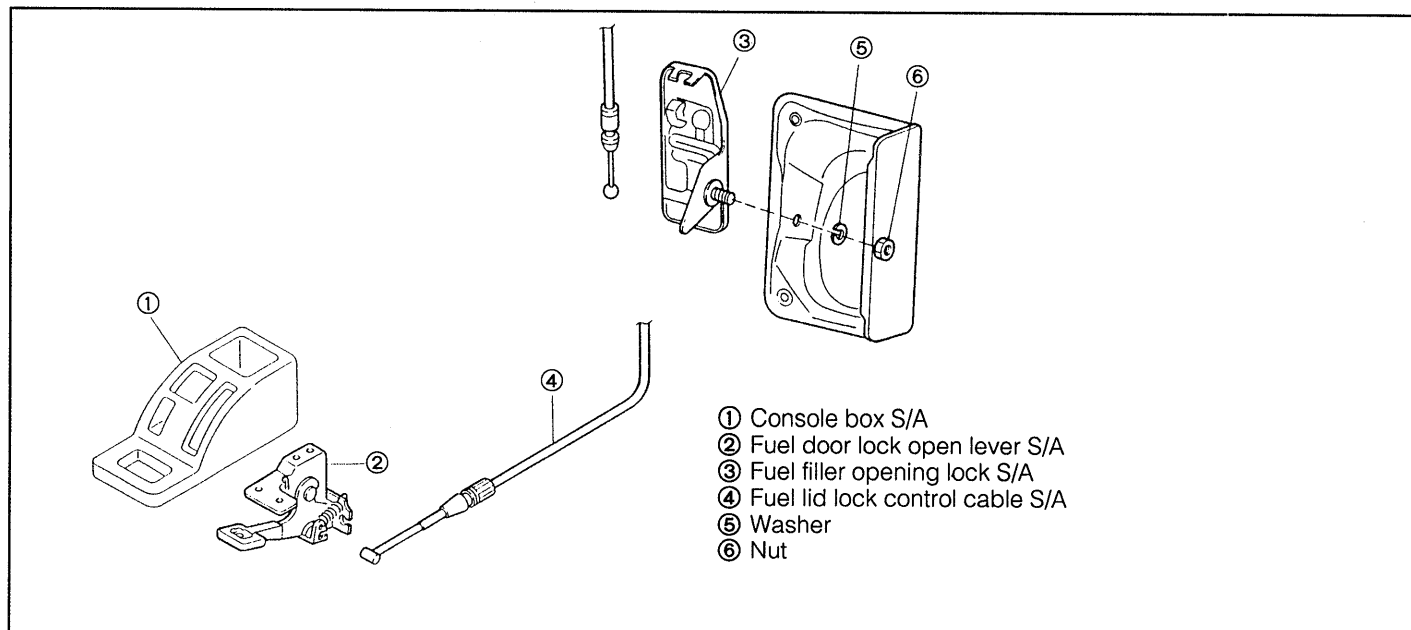
WRU90-BO058

INSTALLATION

1. Install the rear mudguard with the screws.

WRU90-BO059

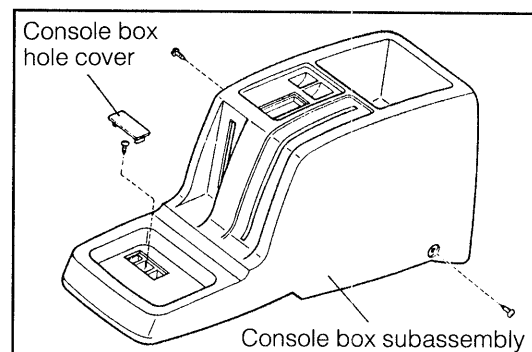
FUEL LID OPENER COMPONENTS



WRU90-BO060

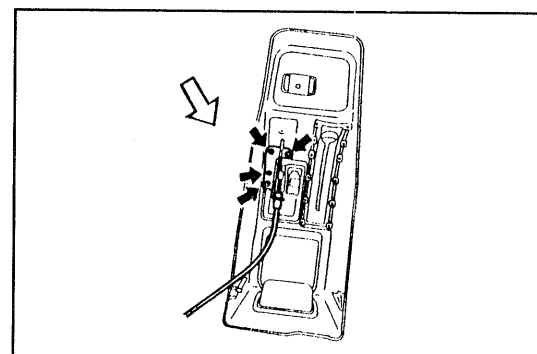
REMOVAL

1. Removal of console box subassembly.
 - (1) Remove the console box hole cover.
 - (2) Remove the console box subassembly by removing the three screws.



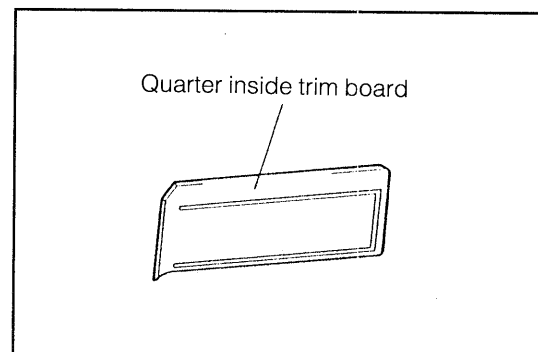
WRU90-BO061

2. Removal of fuel door lock open lever subassembly
 - (1) Remove the fuel door lock open lever subassembly from the console box subassembly removing the four screws.
 - (2) Disconnect the fuel lid lock control cable from the fuel lock open lever subassembly.



WRU90-BO062

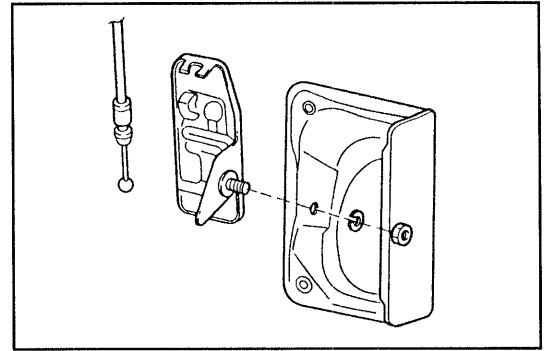
3. Remove the Quarter inside trim board.



WRU90-BO063

BODY

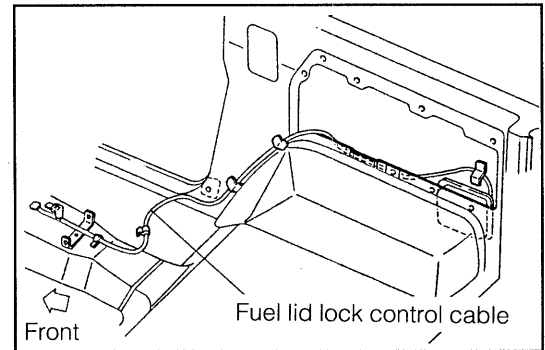
4. Removal of fuel filler opening lock subassembly
 - (1) Remove the rear combination lamp by removing the three screws.
 - (2) Remove the fuel filler opening lock subassembly by removing the nut.
 - (3) Disconnect the fuel lid lock control cable from the fuel filler opening lock subassembly.
5. Remove the fuel lid lock control cable from the body.



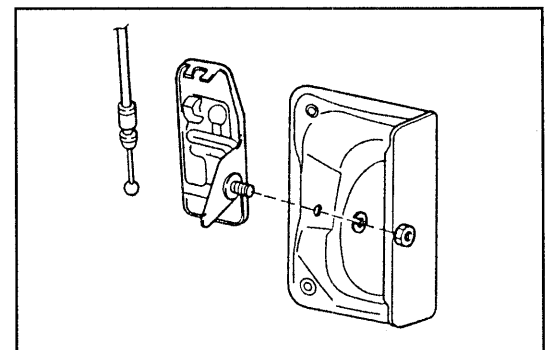
WRU90-BO064

INSTALLATION

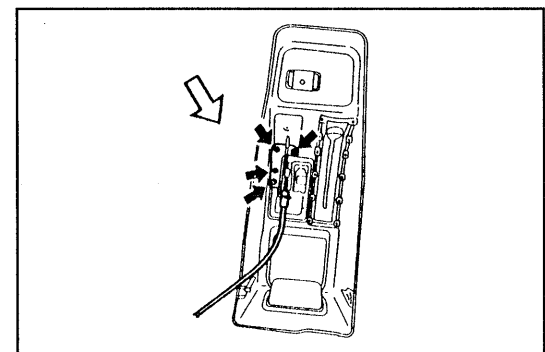
1. Install the fuel lid lock control cable to the body.
2. Installation of fuel filler opening lock subassembly.
 - (1) Connect the fuel lid lock control cable to the fuel filler opening lock subassembly.
 - (2) Install the fuel filler opening lock subassembly with the nut.
 - (3) Install the rear combination lamp with the three screws.
3. Installation of fuel door lock open lever subassembly
 - (1) Connect the fuel lid lock control cable to the fuel lock open lever subassembly.
 - (2) Install the fuel door lock open lever subassembly to the console box subassembly with the four screws.
4. Install the center pillar garnish and Quarter inside trim board.
5. Installation of console box subassembly
 - (1) Install the console box subassembly with the three screws.
 - (2) Install the console box cover.



WRU90-BO065

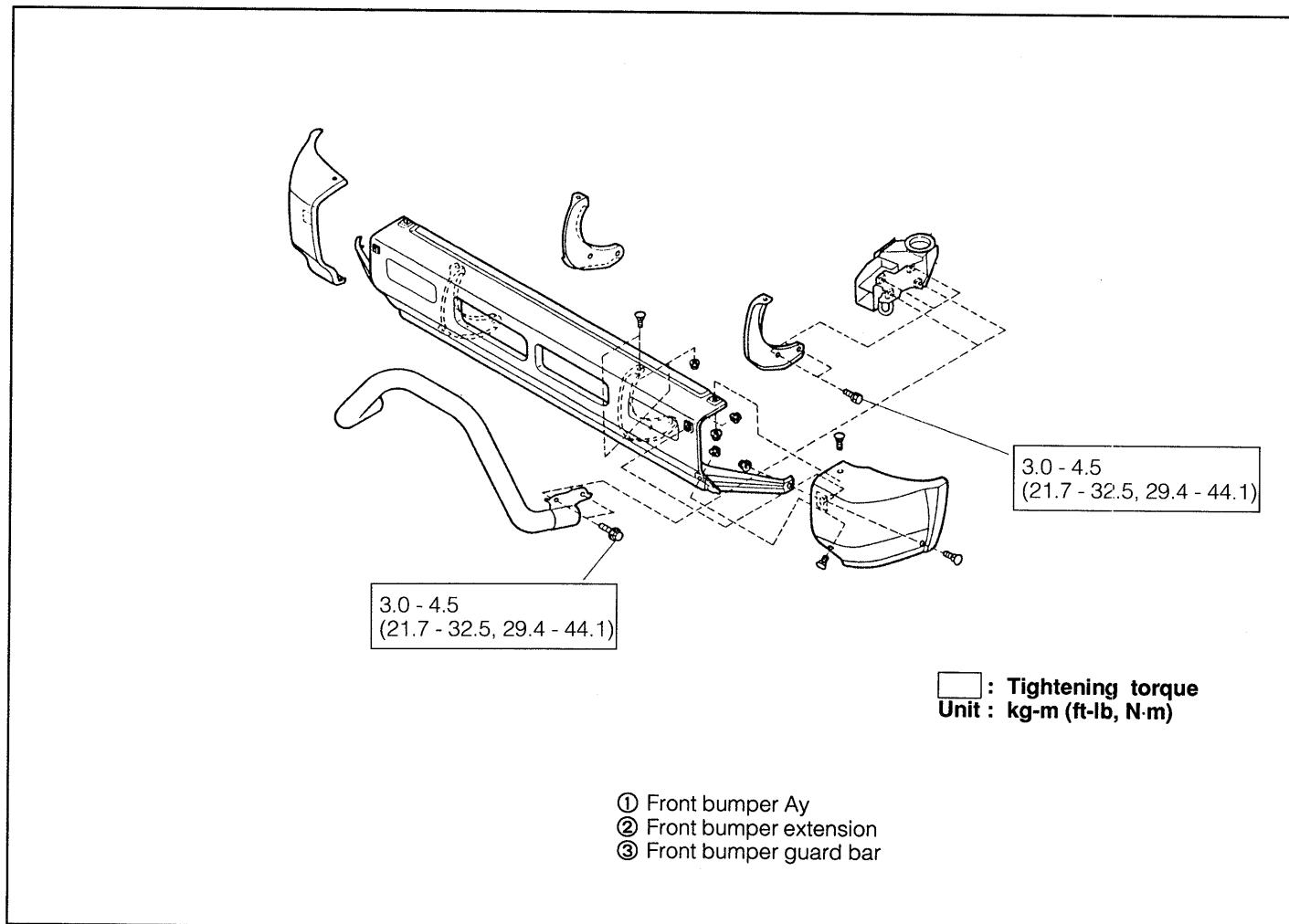


WRU90-BO066



WRU90-BO067

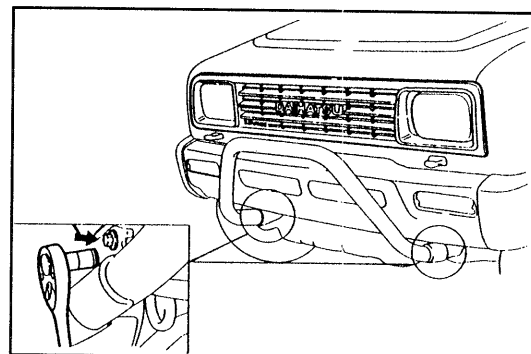
FRONT BUMPER COMPONENTS



WRU90-BO068

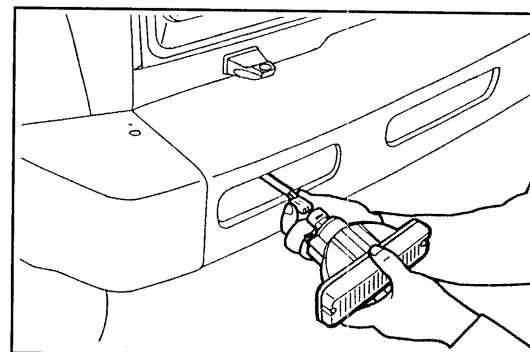
REMOVAL

1. Remove the front bumper guard bar by removing the four bolts.



WRU90-BO069

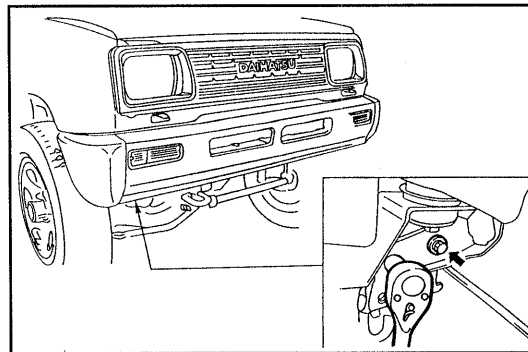
2. Remove the front turn signal lamp assembly by removing the screws and disconnect the connector.



WRU90-BO070

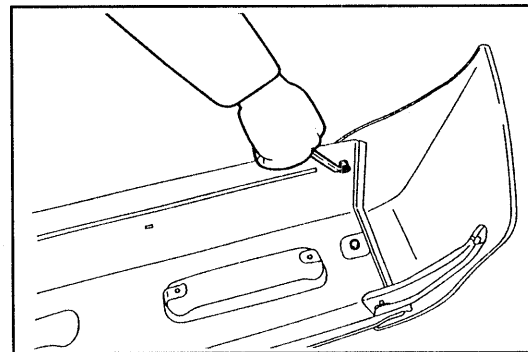
BODY

3. Remove the attaching bolts of the front bumper.



WRU90-BO071

4. Remove the front bumper extension from the front bumper subassembly.



WRU90-BO072

INSTALLATION

1. Install the front bumper extension to the front bumper subassembly.
2. Install the front bumper assembly to the vehicle with the four bolts.

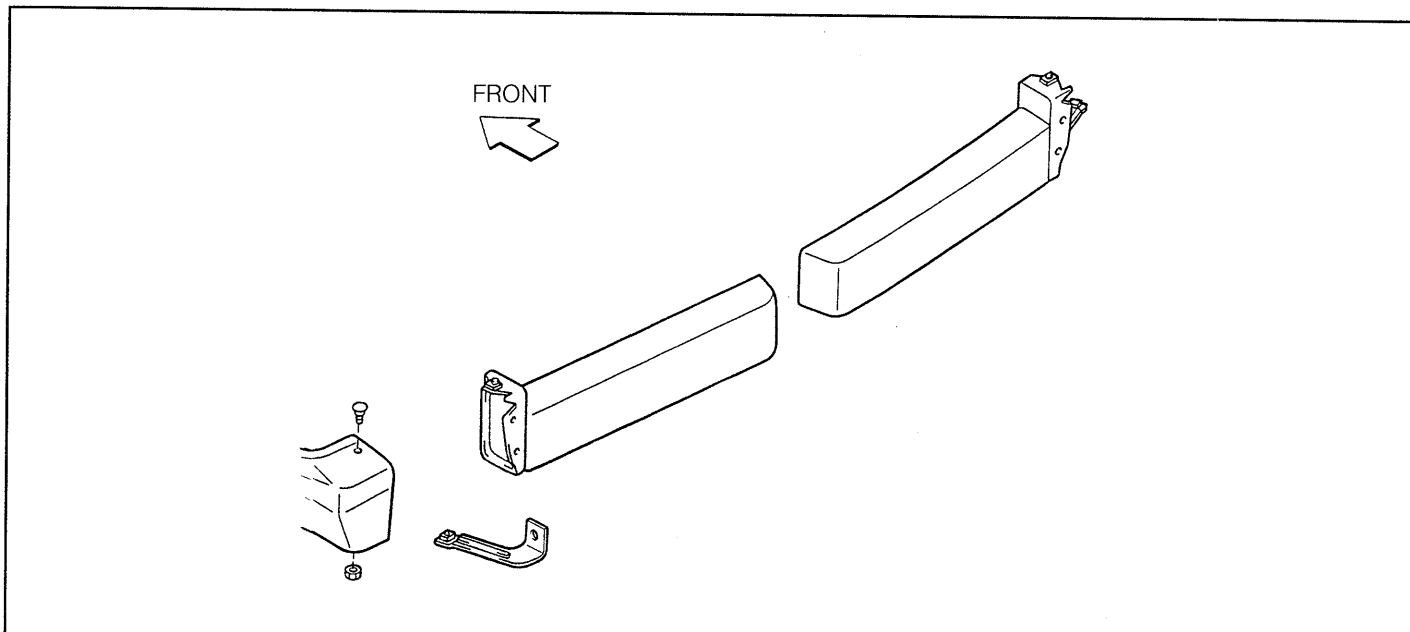
Tightening Torque: 3.0 - 4.5 kg-m
(21.7 - 32.5 ft-lb, 29.4 - 44.1 N·m)

3. Install the front turn signal lamp assembly.
4. Install the front bumper guard bar with the four bolts.

Tightening Torque: 3.0 - 4.5 kg-m
(21.7 - 32.5 ft-lb, 29.4 - 44.1 N·m)

WRU90-BO073

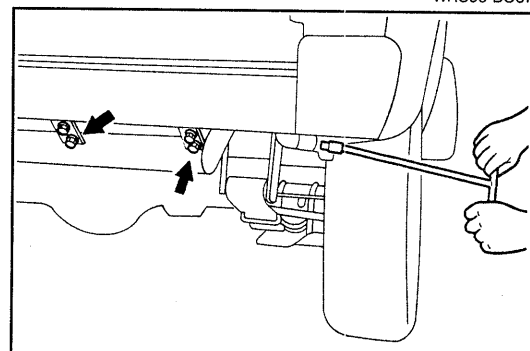
REAR BUMPER COMPONENTS



WRU90-BO074

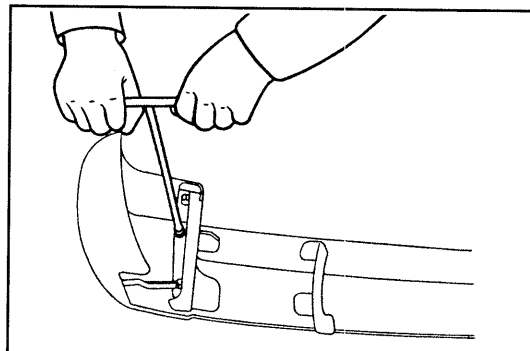
REMOVAL

1. Remove the rear bumper subassembly by removing the five bolts.



WRU90-BO075

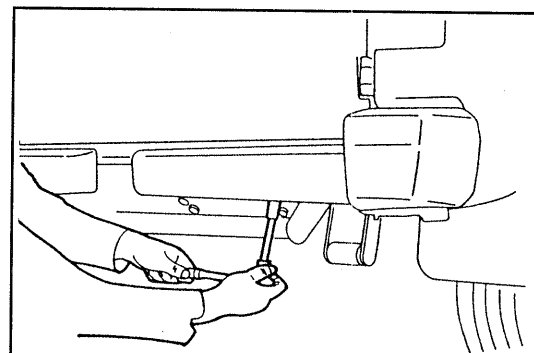
2. Remove the rear bumper extension by removing the three nuts.



WRU90-BO076

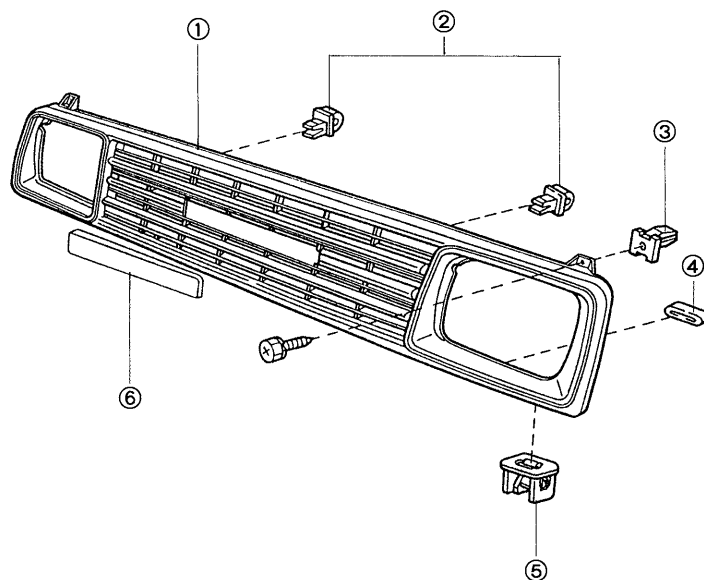
INSTALLATION

1. Install the rear bumper extension with the three nuts.
2. Install the rear bumper subassembly with the five bolts.



WRU90-BO077

RADIATOR GRILLE COMPONENTS



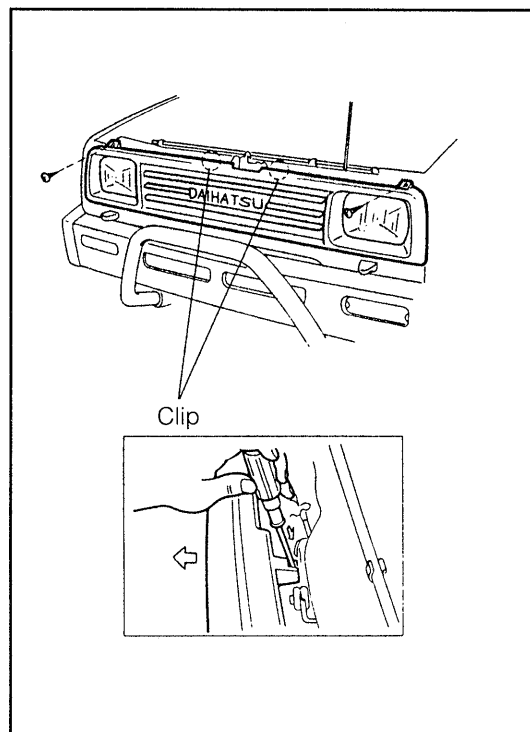
- ① Radiator grille Ay
- ② Clip
- ③ Clip

- ④ Radiator grille to front valance panel cushion
- ⑤ Grommet
- ⑥ Emblem (DAIHATSU)

WRU90-BO078

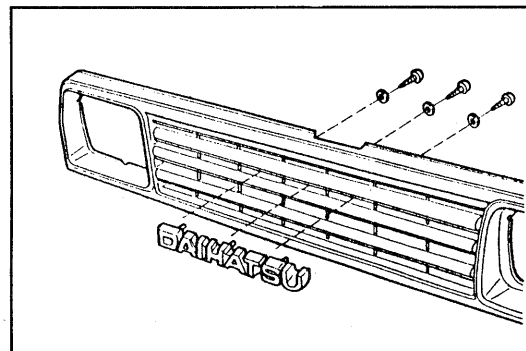
REMOVAL

1. Removal of radiator grille assembly.
 - (1) Remove the two screws.
 - (2) Detaching the clips at two points.
(Push the pawl section at the upper side of the clip, using a screwdriver. Then, pull the radiator grille toward your side.)
 - (3) Remove the radiator grille assembly from the body.



WRU90-BO079

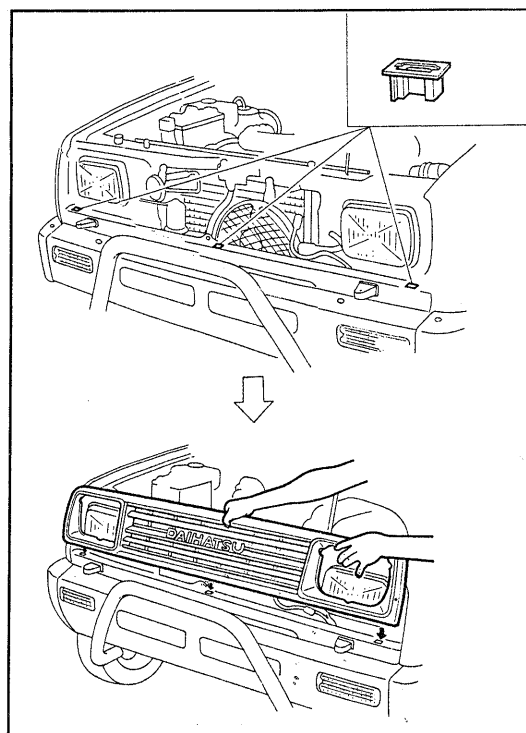
2. Remove the emblems by removing the screws.



WRU90-BO080

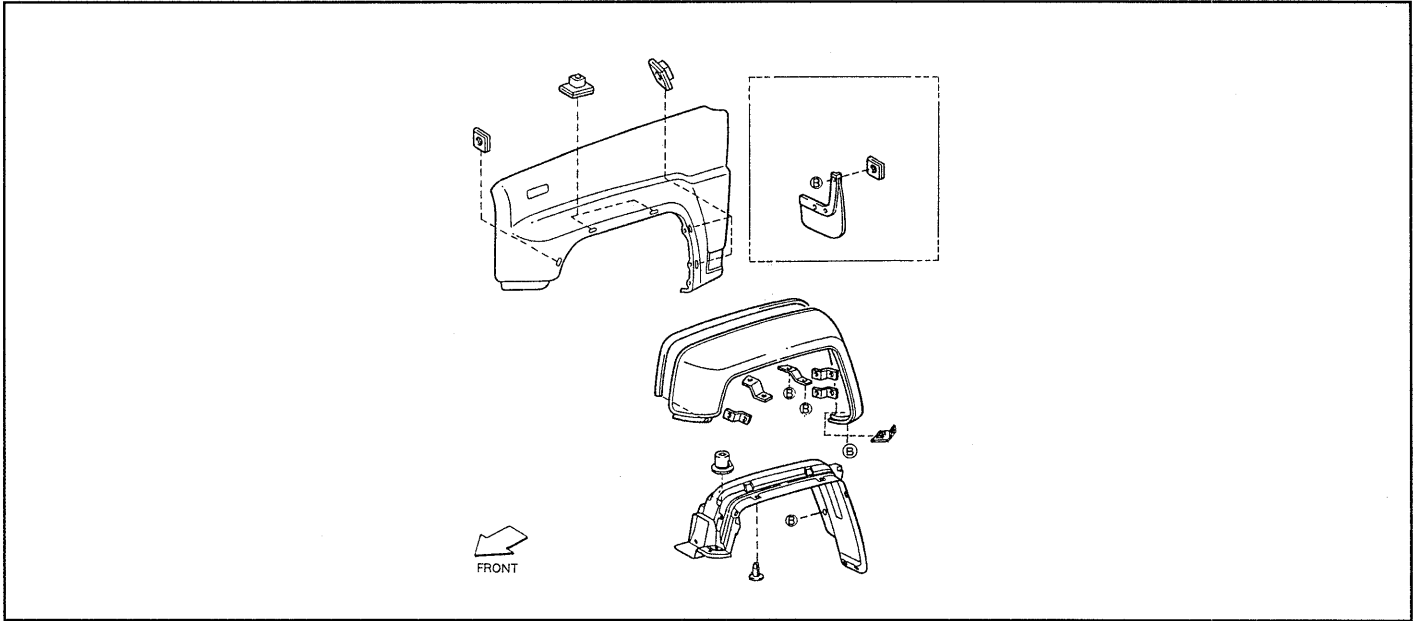
INSTALLATION

1. Install the emblems with the screws.
2. Install the three grommets to the body.
3. Installation of radiator grille assembly.
 - (1) Insert the three protruded position of the radiator grille lower side into the grommets.
 - (2) Attach the two clips at the upper side of the radiator grille.
 - (3) Install the two screws at the upper both side of the radiator grille.



WRU90-BO081

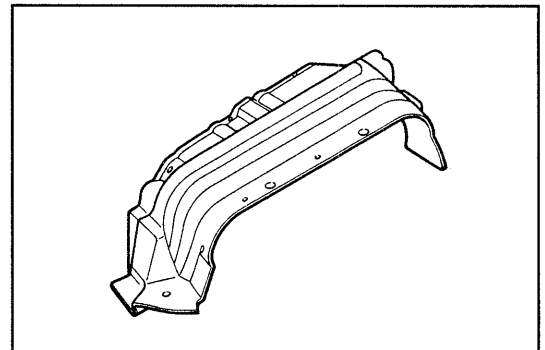
FRONT FENDER COMPONENTS



WRU90-BO082

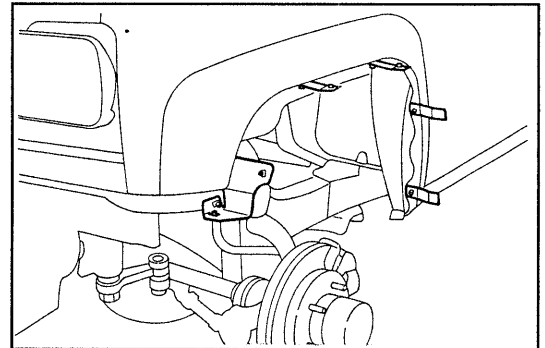
REMOVAL

1. Remove the radiator grille.
2. Remove the front bumper guard bar and front bumper assembly.
3. Remove the front fender liner.

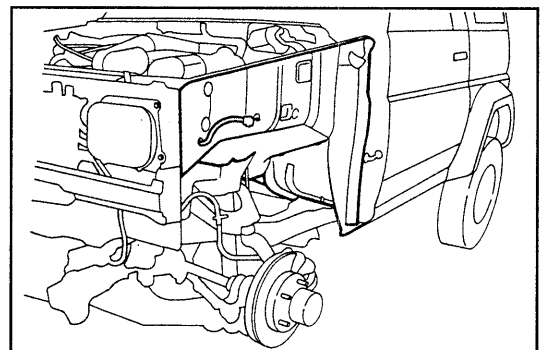


WRU90-BO083

4. Remove the front wheel opening extension.
5. Remove the front marker lamp assembly.
6. Remove the front fender by removing the attaching bolts.



WRU90-BO084



WRU90-BO085

INSTALLATION

1. Install the front fender to the body with the bolts.

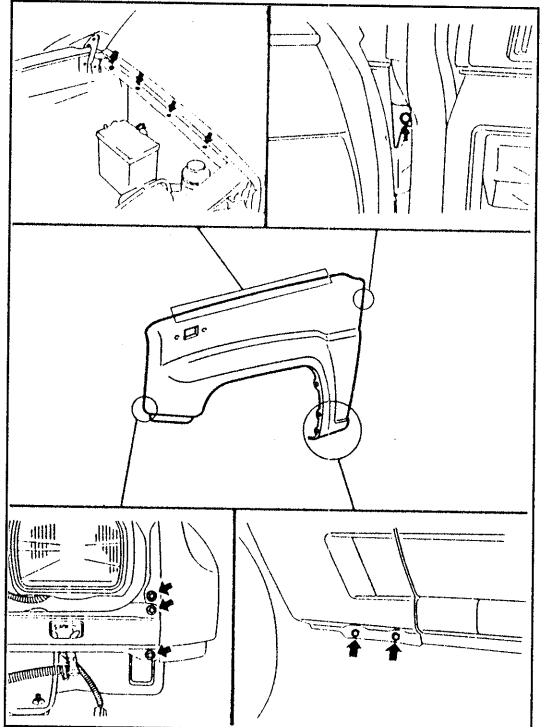
NOTE:

To prevent rust formation, apply rust preventive liquid or paint having the same color as the body to the front fender attaching sections, attaching bolts and so forth.

2. Install the front marker lamp assembly.

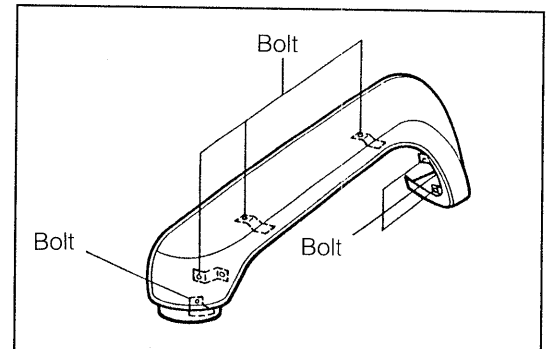
NOTE:

When installing the front marker lamp, the side having a smaller width should face toward the front. It must be noted that the shape differs between the assemblies for the right and left.



WRU90-BO086

3. Install the front wheel opening extension.

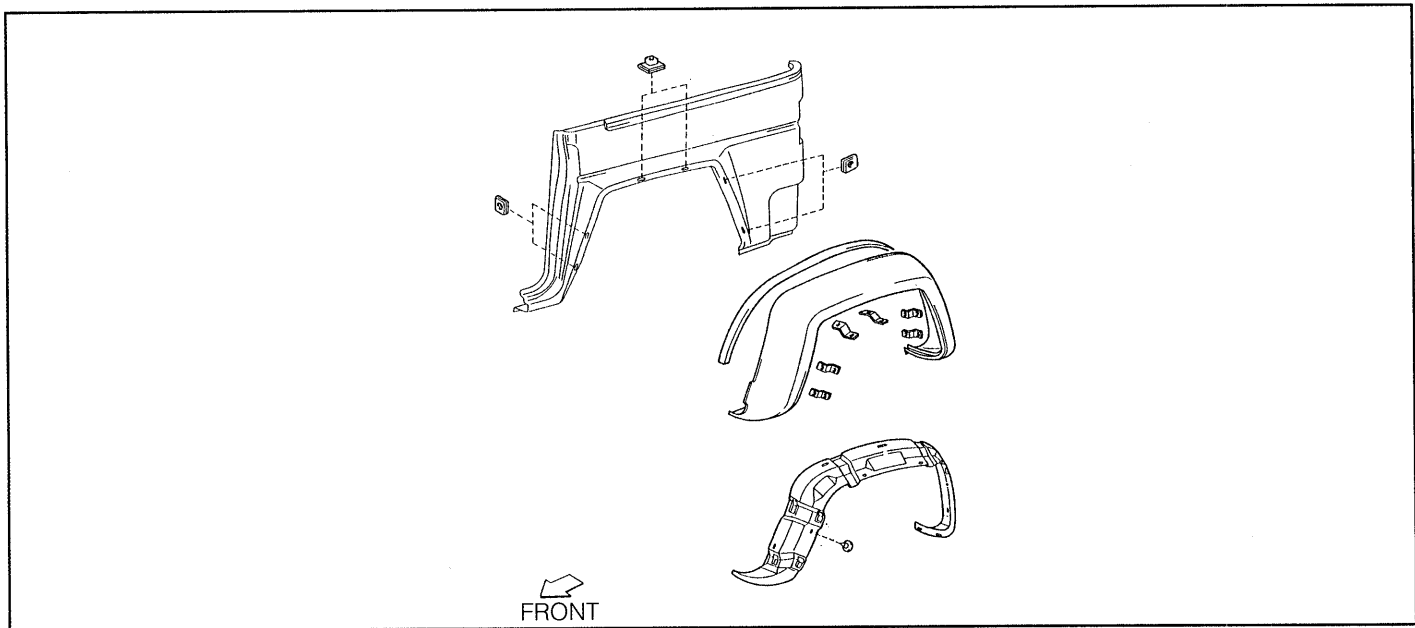


WRU90-BO087

4. Install the front fender liner.
5. Install the front bumper assembly and front bumper guard bar.
6. Install the radiator grille.

WRU90-BO088

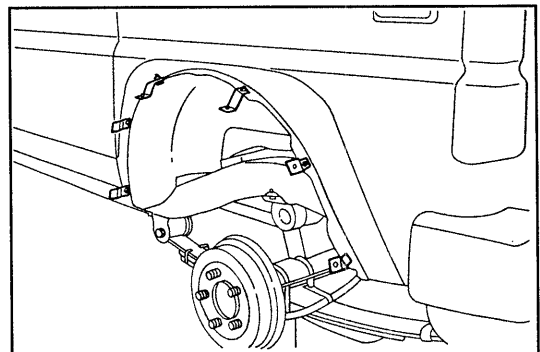
REAR WHEEL OPENING EXTENSION COMPONENTS



WRU90-BO089

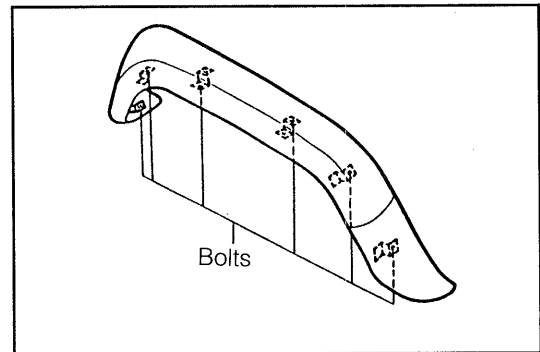
REMOVAL

1. Remove the rear mud guard. (Only vehicle equipped so)
2. Remove the rear fender liner.



WRU90-BO090

3. Remove the rear wheel opening extension.



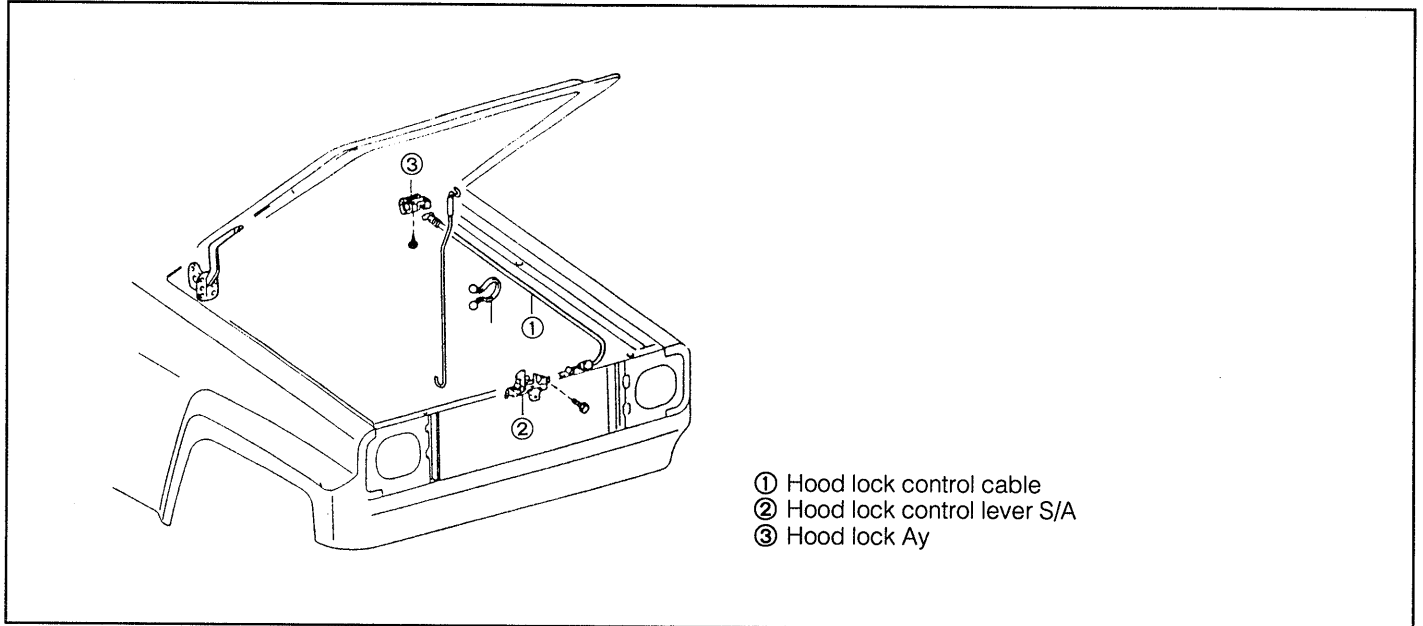
WRU90-BO091

INSTALLATION

1. Install the rear wheel opening extension.
2. Install the rear fender liner.
3. Install the rear mud guard. (Only vehicle equipped so)

WRU90-BO092

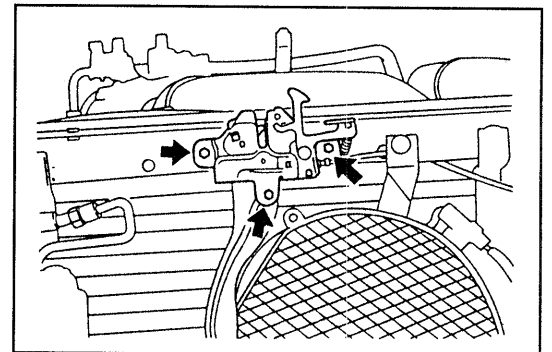
HOOD LOCK CONTROL CABLE COMPONENTS



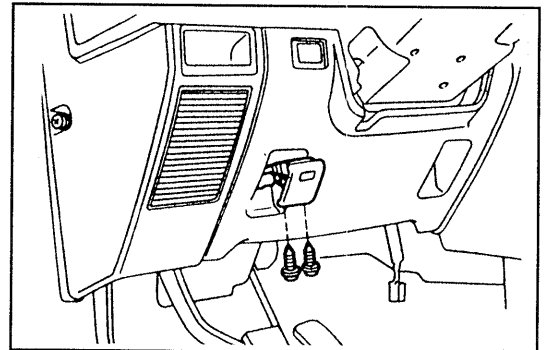
WRU90-BO093

REMOVAL

1. Remove the radiator grille.
2. Removal of hood lock control cable assembly.
 - (1) Remove the hood lock assembly by removing the three bolts.
 - (2) Disconnect the hood lock control cable from the hood lock assembly.
- (3) Remove the hood lock control lever subassembly by removing the two screws.
- (4) Disconnect the hood lock control cable from the hood lock control lever subassembly.
- (5) Remove the hood lock control cable from the body.



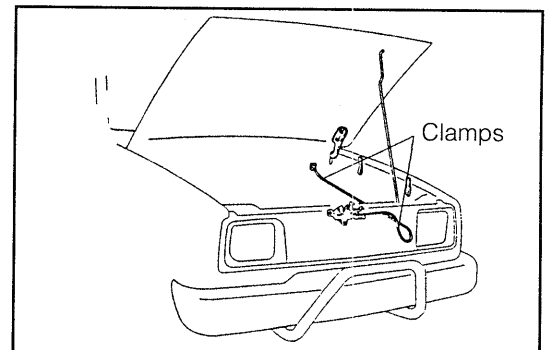
WRU90-BO094



WRU90-BO095

INSTALLATION

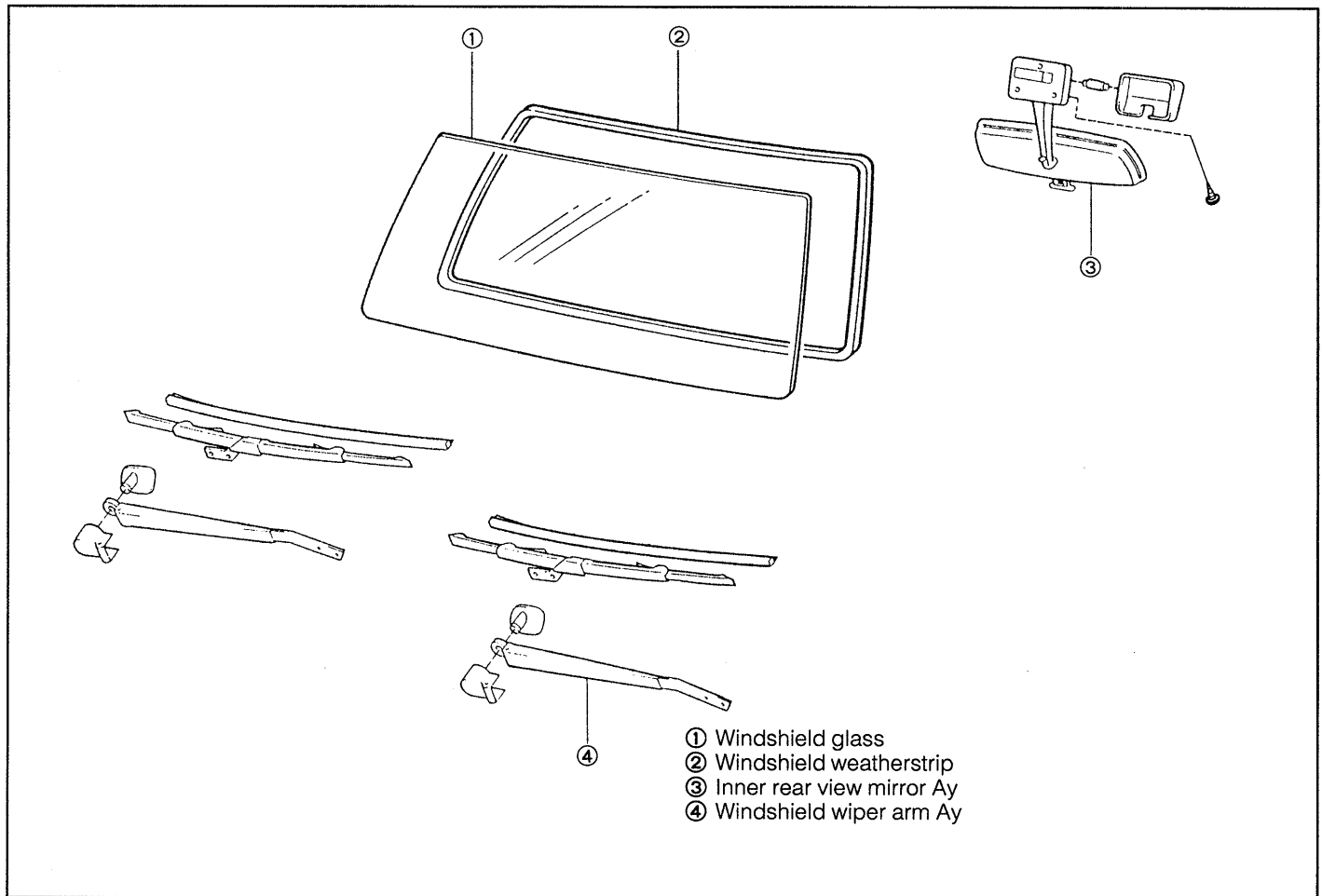
1. Installation of hood lock control cable assembly.
 - (1) Install the hood lock control cable to the body.
 - (2) Connect the hood lock control cable to the hood lock control lever subassembly.
 - (3) Install the hood lock control lever subassembly with the two screws.
 - (4) Connect the hood lock control cable to the hood lock assembly.
 - (5) Install the hood lock assembly with the three bolts.
2. Install the radiator grille.



WRU90-BO096

WINDOWS

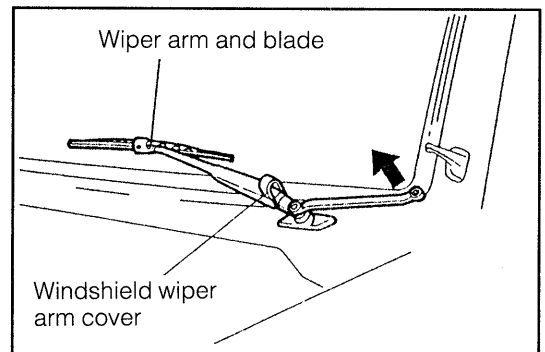
FRONT WINDSHIELD COMPONENTS



WRU90-BO097

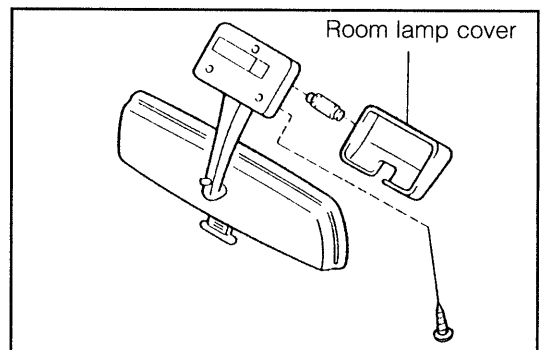
REMOVAL

1. Removal of windshield wiper arm assembly
 - (1) Remove the windshield wiper arm cover.
 - (2) Remove the windshield wiper arm assembly by removing the attaching nut of the front wiper arm assembly.



WRU90-BO098

2. Removal of inner rear-view mirror assembly
 - (1) Remove the room lamp cover.
 - (2) Remove the inner rear-view mirror by removing the three screws, and disconnect the connector.
3. Remove the radio antenna.

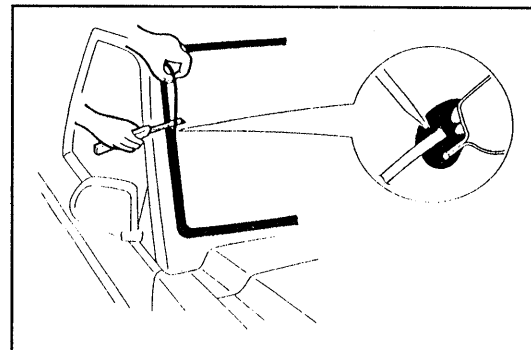


WRU90-BO099

1. Removal of front windshield glass
 - (1) Cut off the weatherstrip lip from the outside, using a knife.
 - (2) Push the glass from the interior, applying a uniform force.
 - (3) Remove the front windshield weatherstrip from the body.

NOTE:

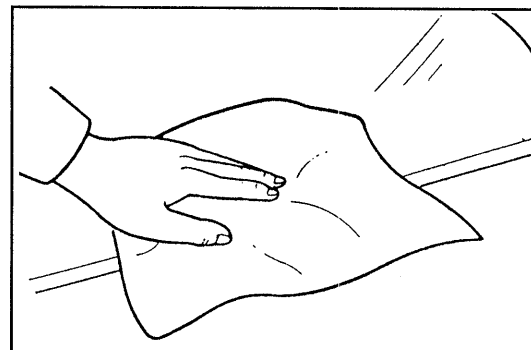
The front windshield employs an adhesive method in its installation. Hence, the weatherstrip is a non-reusable part.



WRU90-BO100

CLEANING

Clean the adhesion sections of the glass and body, using a solvent such as alcohol or white gasoline.



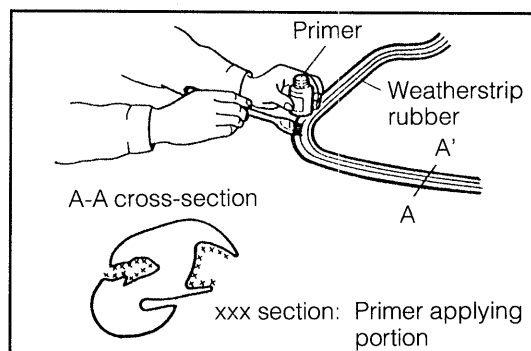
WRU90-BO101

WORK PRIOR TO INSTALLATION

1. Apply primer to the windshield and body attaching sections of the front weatherstrip rubber.

NOTE:

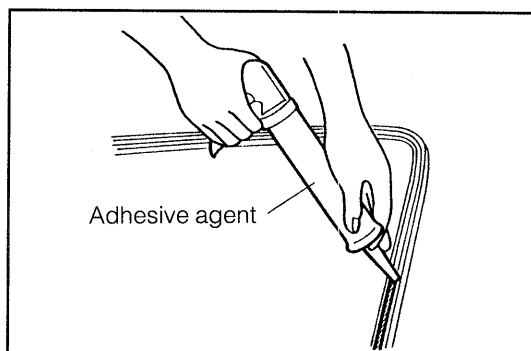
As regards the primer to be applied, use the primer that has been packed as a kit in the urethane U made by ESSEX Speciality Product Company.



WRU90-BO102

2. Fill the adhesive agent to the front windshield attaching section of the weatherstrip rubber.

Adhesive Agent: Urethane U made by ESSEX Speciality Product Company.

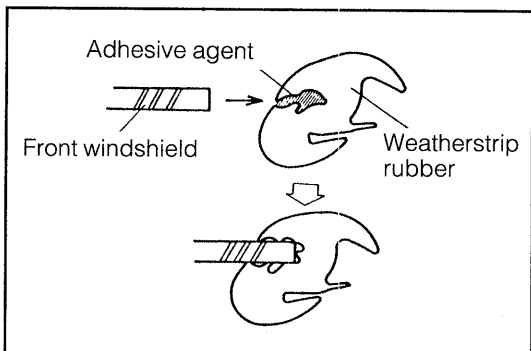


WRU90-BO103

3. Install the weatherstrip rubber to the front windshield.

NOTE:

Upon completion of the installation, if the adhesive agent is oozed out from the weatherstrip, be sure to wipe off such extra agent immediately.

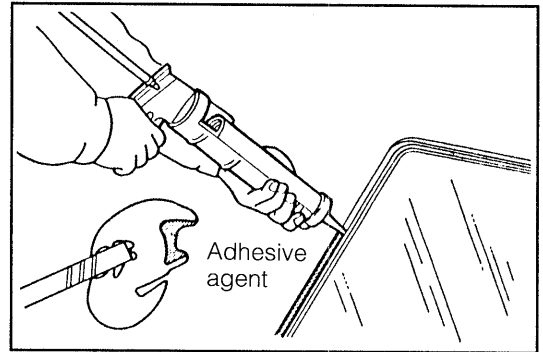


WRU90-BO104

BODY

4. Fill the adhesive agent to the body attaching section of the weatherstrip rubber.

Adhesive Agent: Urethane U made by ESSEX
Speciality Product Company.

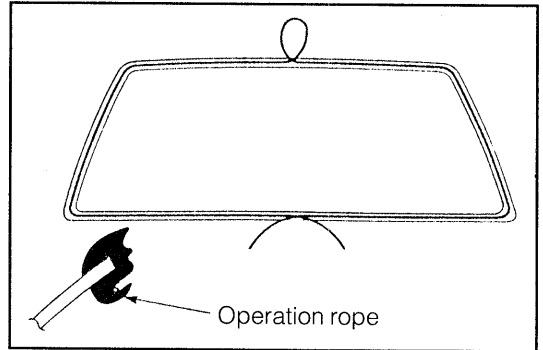


WRU90-BO105

INSTALLATION

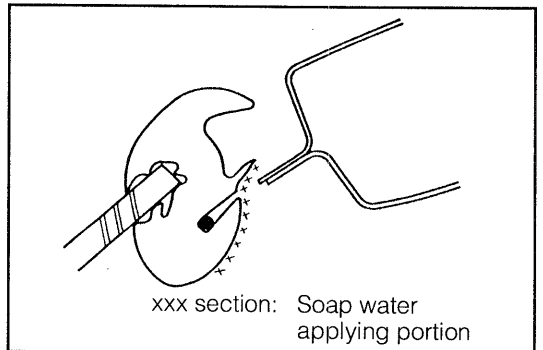
1. Installation of front windshield glass.
 - (1) Set an operation rope to the weatherstrip.

NOTE:
Never reuse any weatherstrip which exhibits deterioration.
Failure to observe this instruction will cause water leakage.



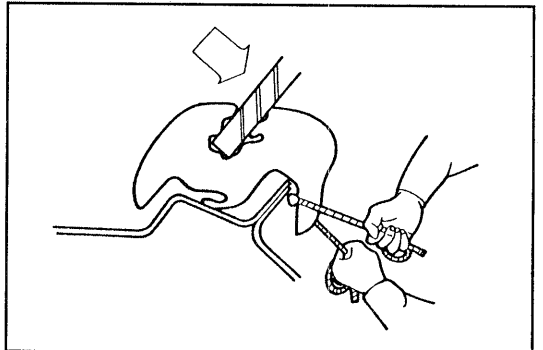
WRU90-BO106

- (2) Apply soap water to the body flange contact sections of the weatherstrip. Also, apply soap water to the body flange.



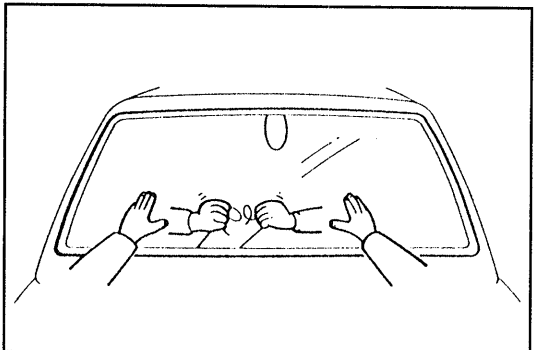
WRU90-BO107

- (3) Place the weatherstrip in such a way that the lower central part of the weatherstrip may be fitted into the body flange. Pull the rope so that the rope may cross over the body flange.



WRU90-BO108

- (4) Hold the one end of the rope suspending in the vehicle interior. Alternately pull the rope in such a way that the weatherstrip may cross over the body flange. While pulling the rope alternately, pound the glass surface at points adjacent to the weatherstrip using one's palm from the vehicle exterior in order that the windshield may be installed into position.

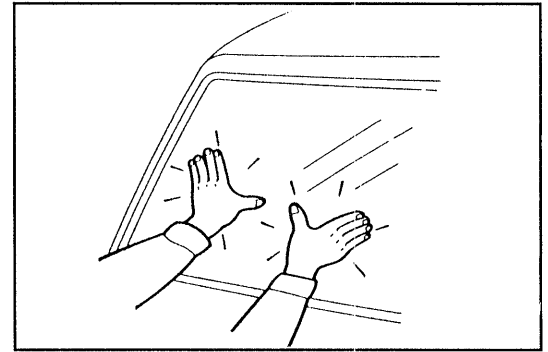


WRU90-BO109

- (5) Pound the glass surface using one's palm from the vehicle exterior so that the windshield may be settled in place.

NOTE:

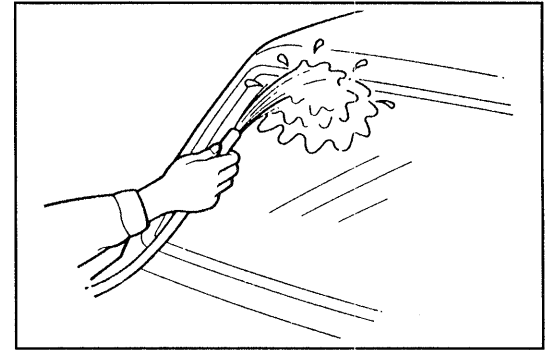
Upon completion of the installation, if the adhesive agent is oozed out from the weatherstrip, be sure to wipe off such extra agent immediately.



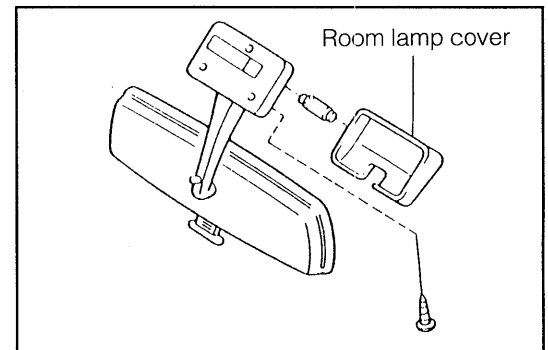
WRU90-BO110

INSPECTION

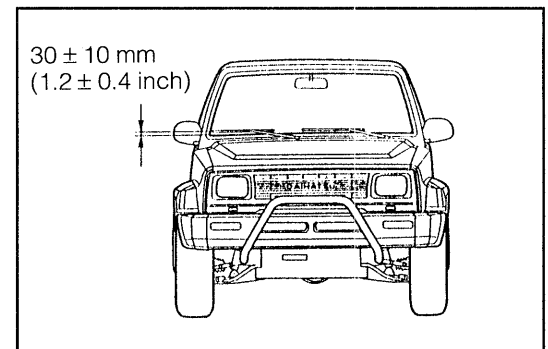
1. Water leakage check
If water leakage exists, dry the leaky point thoroughly.
Then, fill the leaky point with the non-drying sealer.
3. Installation of inner rear-view mirror assembly
 - (1) Connect the connector
 - (2) Install the inner rear-view motor with the three screws.
 - (3) Attach the room lamp cover.
4. Installation of an antenna
5. Installation of windshield wiper arm assembly
 - (1) Operate the wiper motor, until it assumes the automatic stopping position.
 - (2) Set the wiper arms at the positions indicated in the right figure.
 - (3) Tighten the nut and attach the front wiper arm cover.



WRU90-BO111

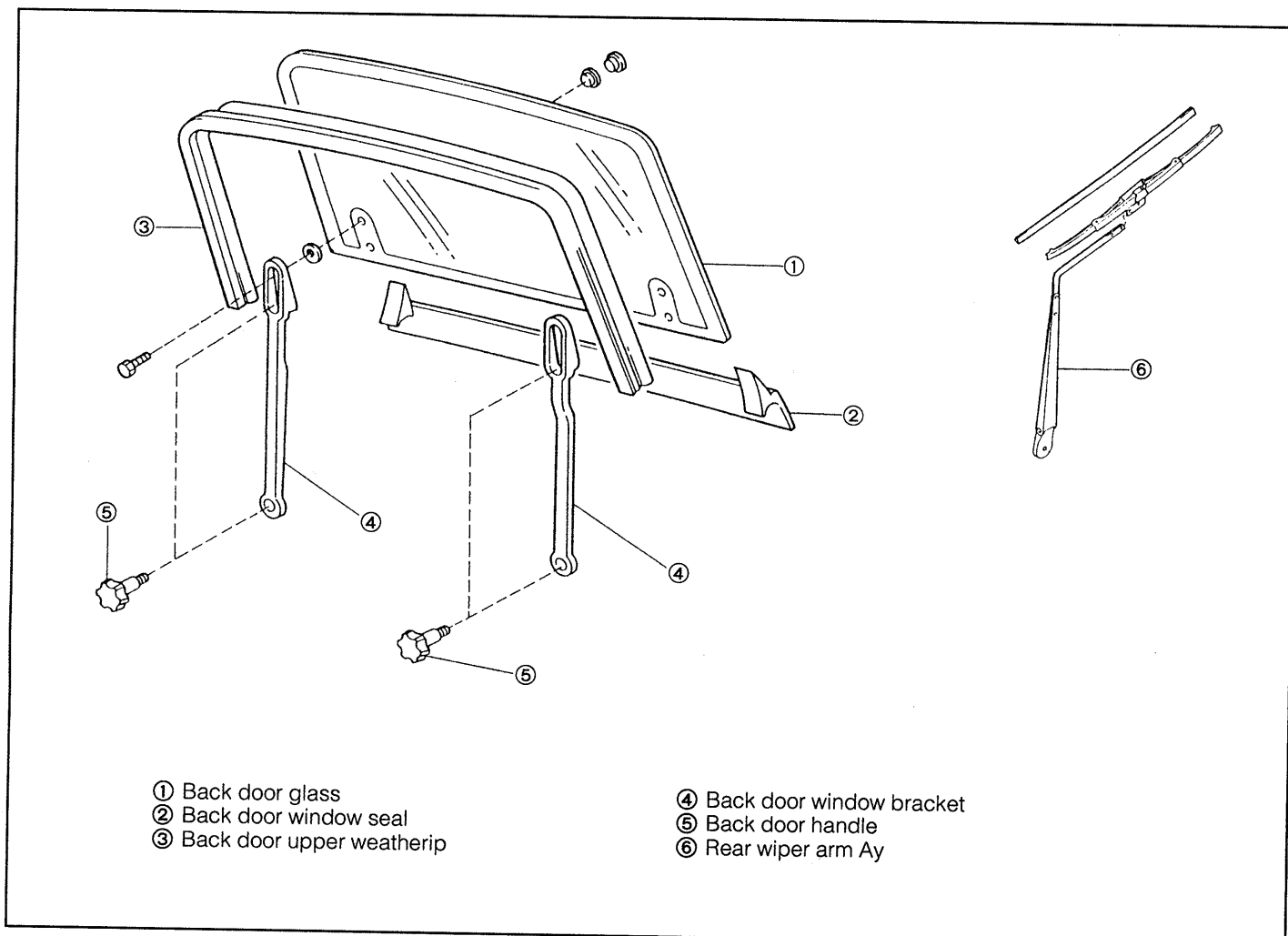


WRU90-BO112



WRU90-BO113

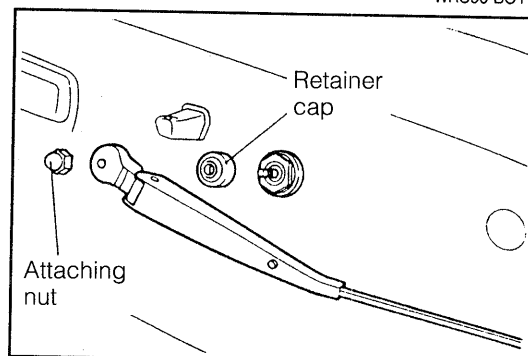
BACK DOOR GLASS COMPONENTS



WRU90-BO114

REMOVAL

1. Remove the spare tire.
2. Remove the rear wiper arm assembly.



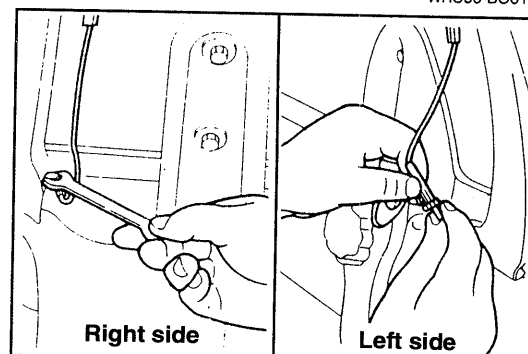
WRU90-BO115

3. Removal the rear window deffogger ground harness
(1) Remove the attaching bolt to disconnect the rear window deffogger ground harness from the back door.

NOTE:

After the harness has been disconnected, reinstall the bolt to the back door for next use.

- (2) Disconnect the connector for the rear window deffogger at left side.

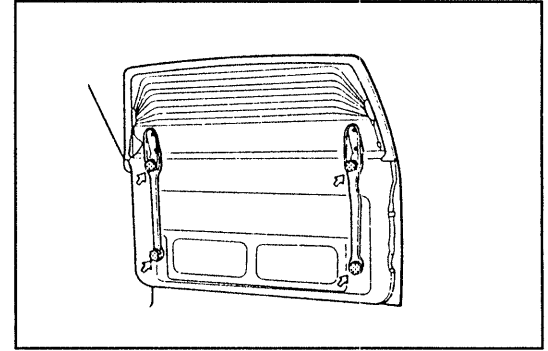


WRU90-BO116

4. Remove the handles (4-points).

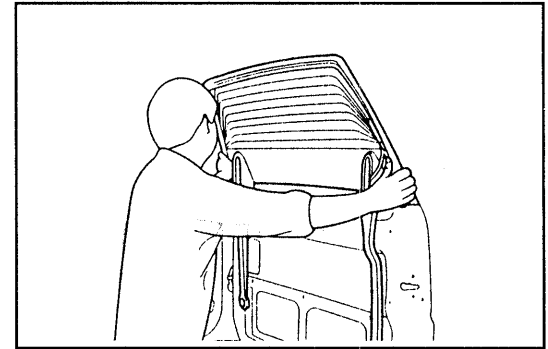
CAUTION:

When installing the back door glass, make sure that the handles have been tightened positively (four points).



WRU90-BO117

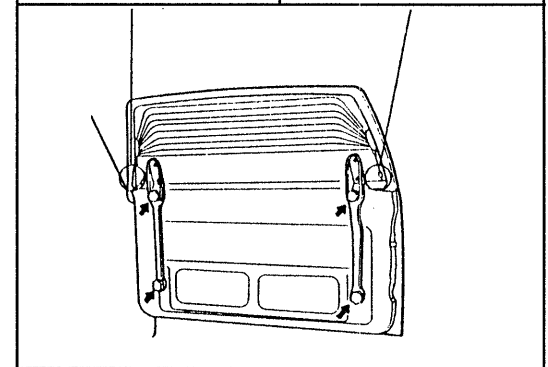
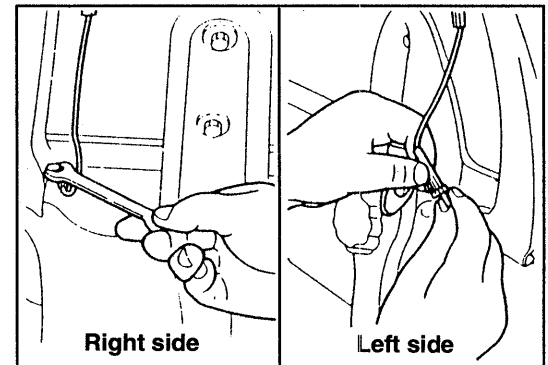
5. Remove the rear window glass.



WRU90-BO118

INSTALLATION

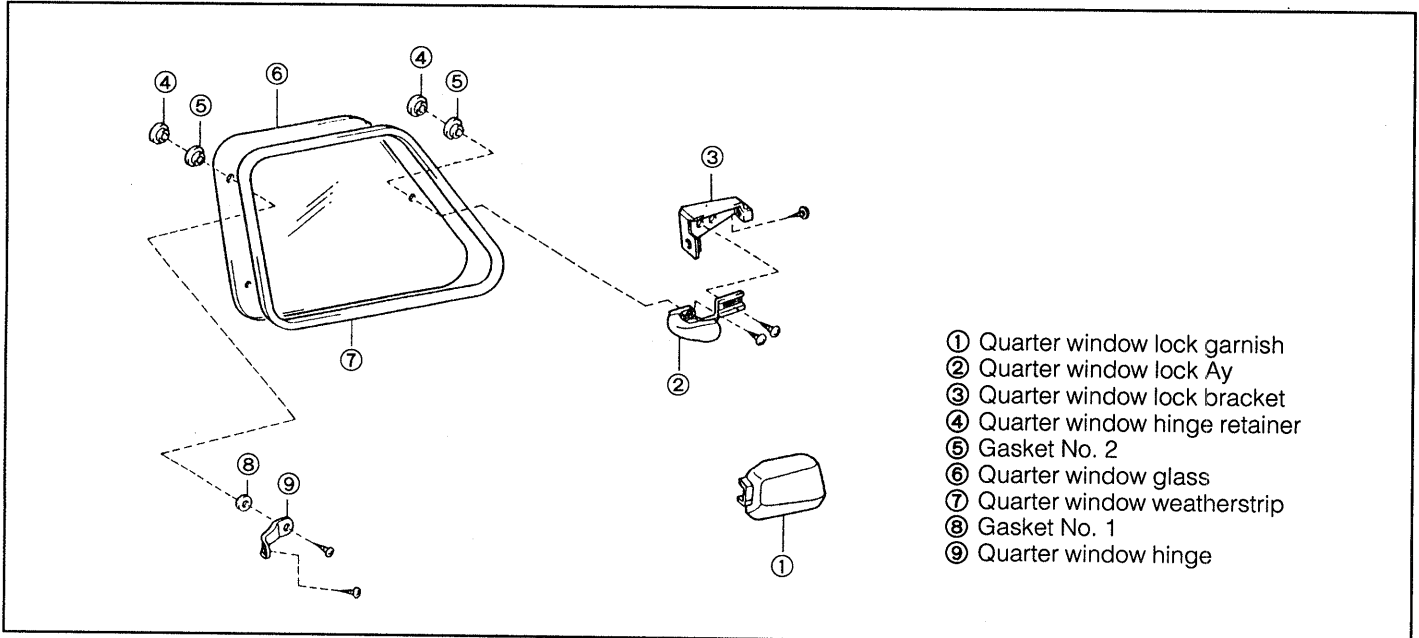
1. Install the back door glass assembly to the body using the four handles.
2. Install the rear window deffogger ground harness.
3. Install the rear wiper arm assembly.
4. Install the speare tire.



WRU90-BO119

QUARTER WINDOW GLASS

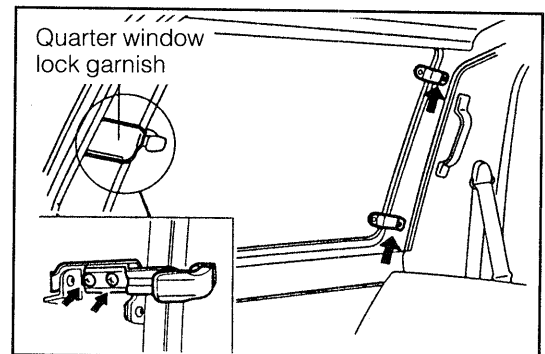
COMPONENTS



WRU90-BO120

REMOVAL

1. Remove the rear roll bar.
2. Removal of quarter window glass assembly
 - (1) Remove the quarter window lock garnish.
 - (2) Remove the screws attaching the quarter window lock to the body.
 - (3) Remove the screws attaching the quarter window hinge to the body.
 - (4) Remove the quarter window assembly from the body.
3. Remove the quarter window lock and quarter window hinge from the quarter window assembly.



WRU90-BO121

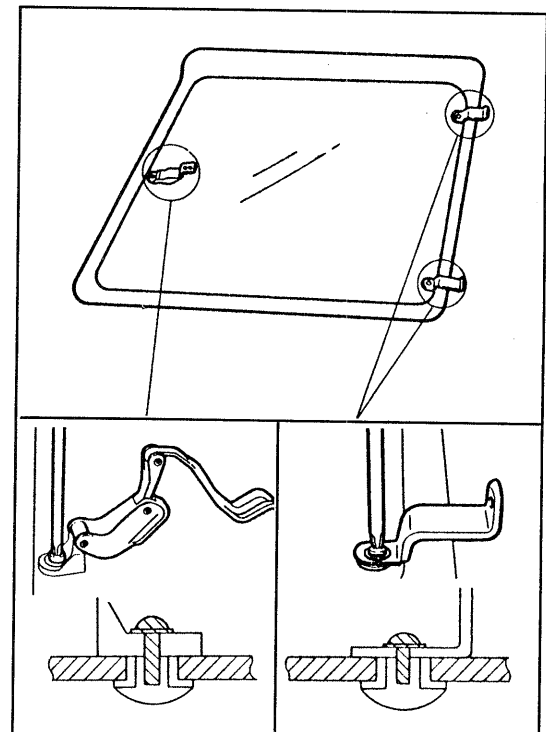
INSTALLATION

1. Install the quarter window lock and quarter window hinge to the quarter window assembly.
2. Install the quarter window assembly to the body, as follows:
 - (1) Install the quarter window hinge to the body with the screws.
 - (2) Install the quarter window lock to the body with the screws.

NOTE:

When tightening the screw, fill the nut with an adhesive agent (instantaneous adhesive agent).

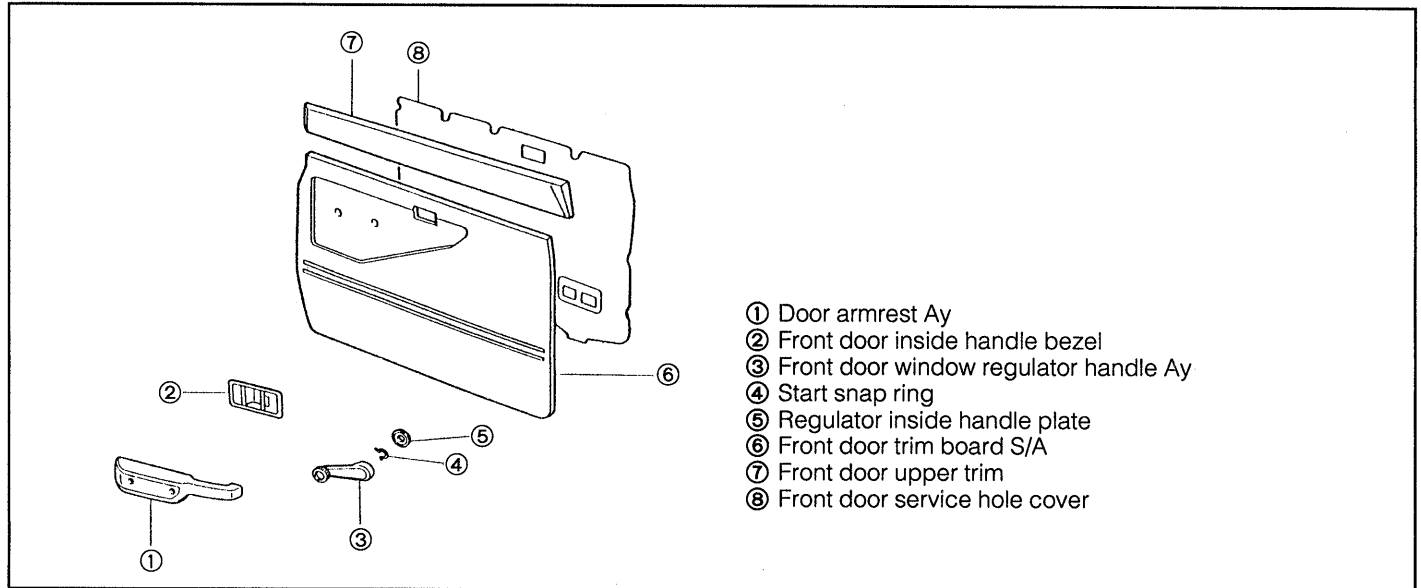
- (3) Install the quarter window lock garnish.
3. Install the rear roll bar.



WRU90-BO122

FRONT DOOR

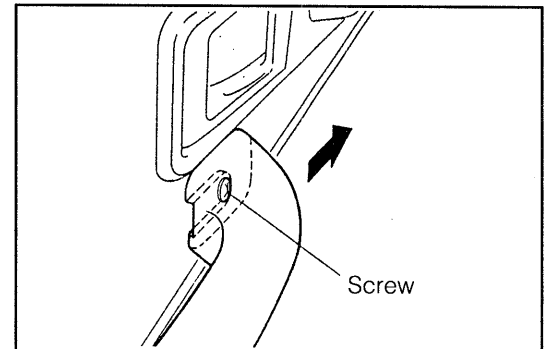
DOOR TRIM AND SERVICE HOLE COVER COMPONENTS



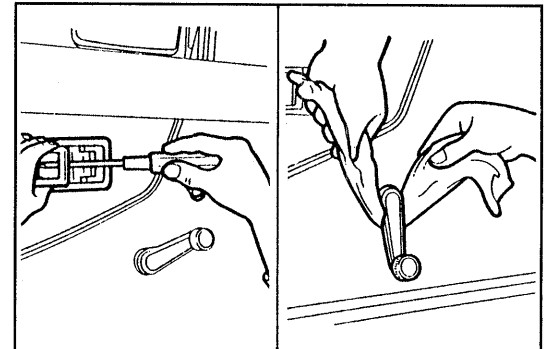
WRU90-BO123

REMOVAL

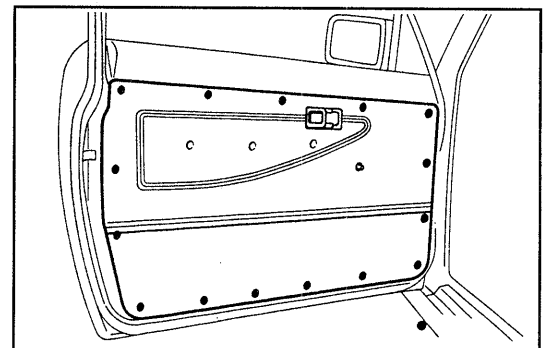
1. Removal of door armrest assembly
 - (1) Remove the two screws.
 - (2) Remove the door armrest assembly from front door.
 - (3) Remove the screw.
2. Remove the front door inside handle bezel by removing the screw.
3. Removal of front door window regulator handle assembly
 - (1) Pull off the snap ring with a cloth as indicated in the figure.
 - (2) Remove the front door window regulator handle and door regulator inside handle plate.
4. Remove the front door trim board subassembly by removing the clips.
5. Remove the front door service hole cover.



WRU90-BO124



WRU90-BO125



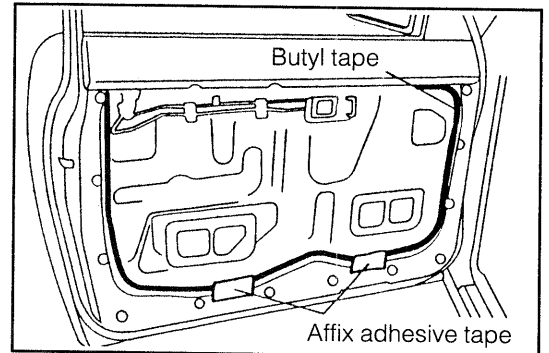
WRU90-BO126

INSTALLATION

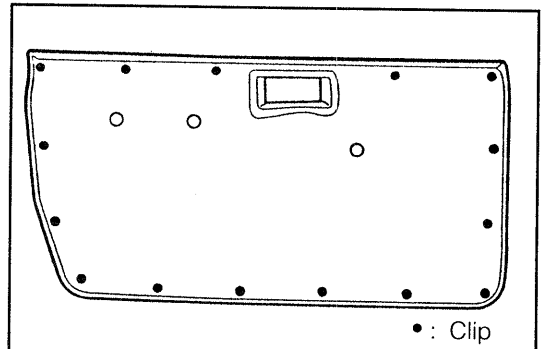
1. Installation of front door service hole cover
 - (1) Affix butyl tape to the points indicated in the right figure.
 - (2) Insert the cover at the lower end into the aperture at the lower side of the door panel. Affix adhesive tape on the holes.

NOTE:

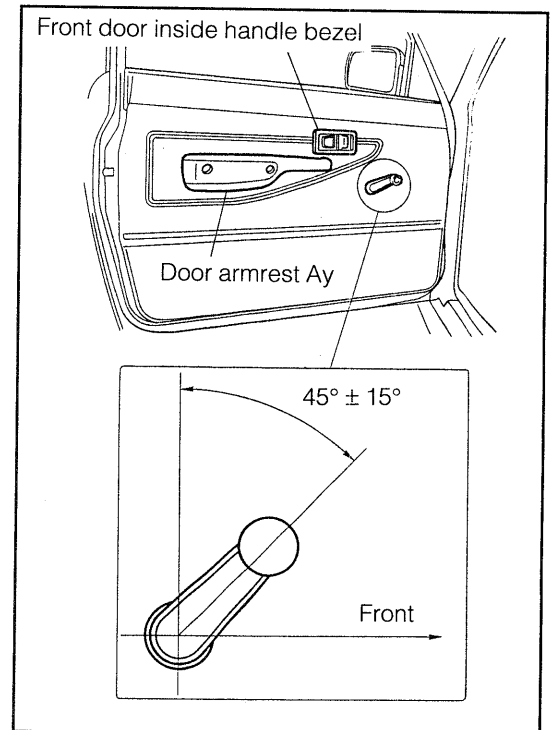
1. Never plug the clip hole of the door trim with adhesive tape.
 2. Replace any service hole cover which exhibits rupture.
2. Installation of front door trim panel assembly
 - (1) Ensure that the clips are attached to the front door trim panel assembly.
 - (2) Install the front door trim panel assembly to the front door.
3. Install the front door inside handle bezel and door armrest assembly.
 4. Installation of front door window regulator handle assembly.
 - (1) Install the door regulator inside handle plate.
 - (2) Set the snap ring to the front door window regulator handle.
 - (3) Install the front door window regulator handle in the angle specified in the right figure.



WRU90-BO127



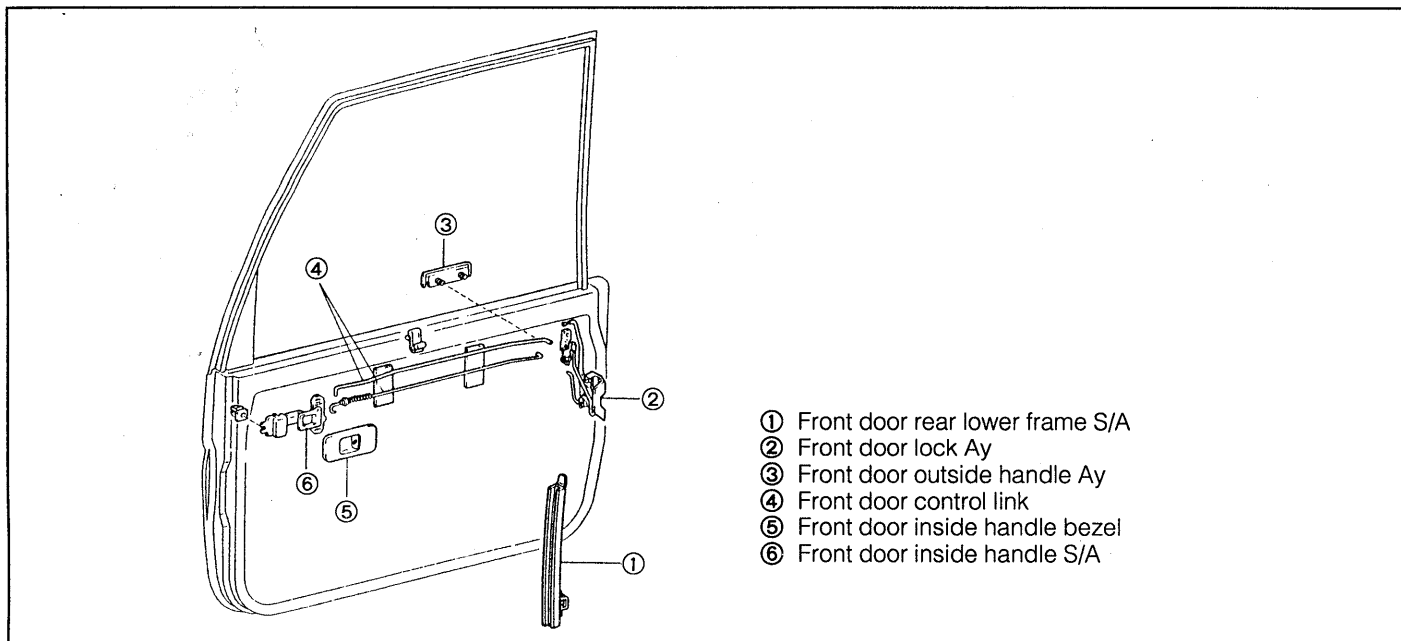
WRU90-BO128



WRU90-BO129

DOOR LOCK AND OUTSIDE DOOR HANDLE

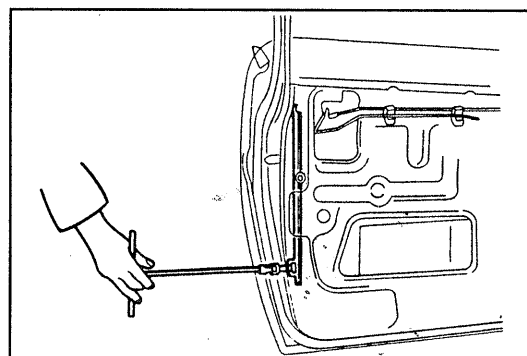
COMPONENTS



WRU90-BO130

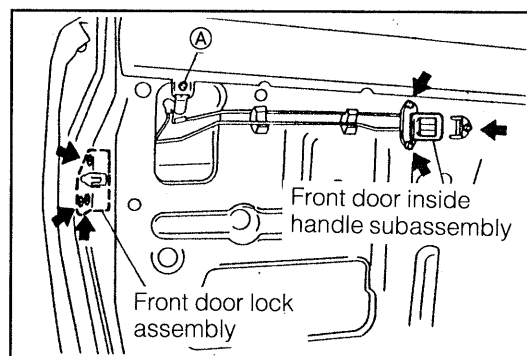
REMOVE

1. Remove the front door trim-related parts.
2. Remove the front door rear lower frame subassembly.



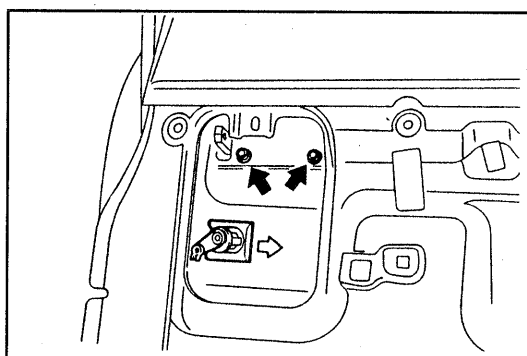
WRU90-BO131

3. Removal of front door lock assembly
 - (1) Remove the front door inside handle subassembly.
 - (2) Remove the bolt (A).
 - (3) Remove the front door lock assembly.



WRU90-BO132

4. Detach the front door outside handle assembly by removing the two nuts.
5. Detach the clip. Remove the key cylinder.

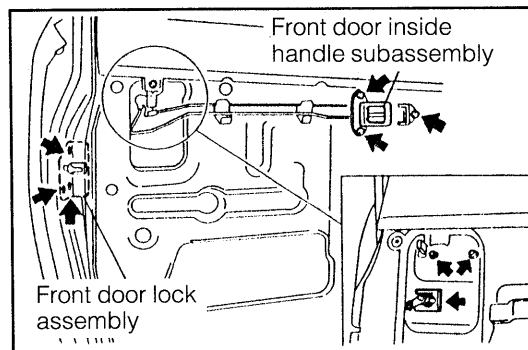


WRU90-BO133

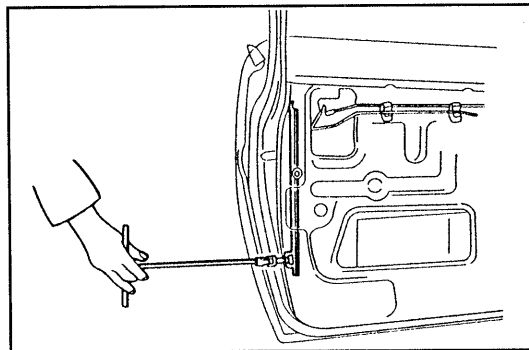
BODY

INSTALLATION

1. Install the front door outside handle assembly with the two nuts.
2. Install the key cylinder into position with the clip.
3. Installation of front door lock assembly.
 - (1) Install the front door lock assembly with the three screws.
 - (2) Set the control links and tighten the bolt **A**.
 - (3) Install the front door inside handle subassembly with three bolts.
4. Install the front door rear lower frame subassembly with bolt.
5. Install the front door trim-related parts.

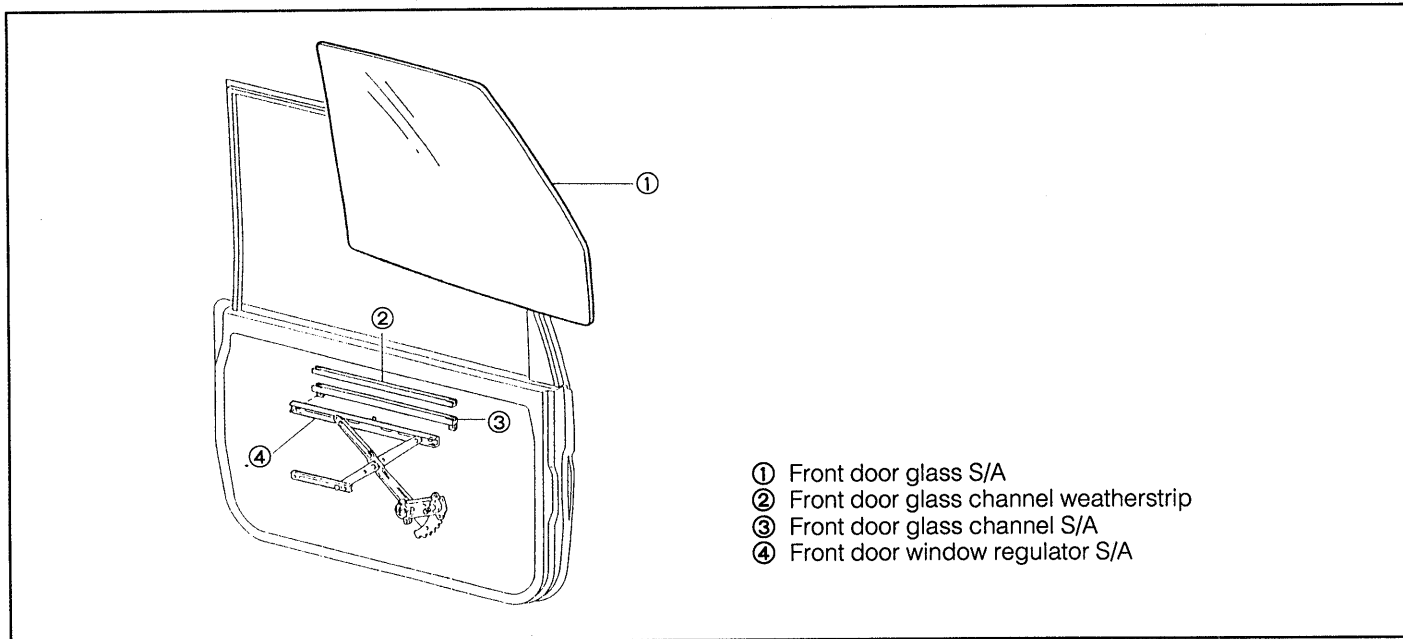


WRU90-BO134



WRU90-BO135

DOOR GLASS AND REGULATOR COMPONENTS

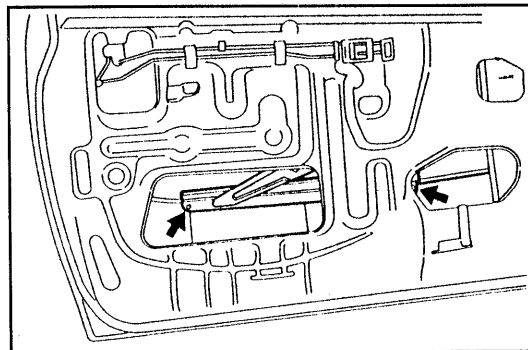


- ① Front door glass S/A
- ② Front door glass channel weatherstrip
- ③ Front door glass channel S/A
- ④ Front door window regulator S/A

WRU90-BO136

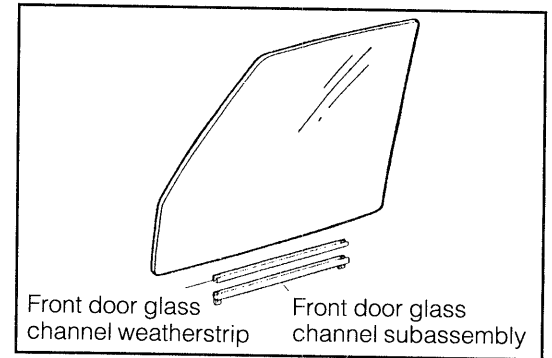
REMOVAL

1. Remove the door trim-related parts.
2. Remove the two attaching bolts of the front door glass subassembly. Remove the front door glass subassembly from the front door.



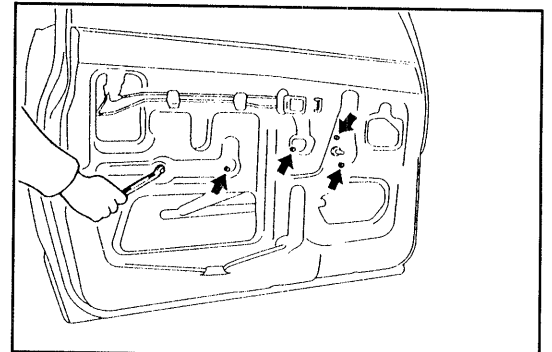
WRU90-BO137

3. Remove the front door glass channel subassembly and front door glass channel weatherstrip.



WRU90-BO138

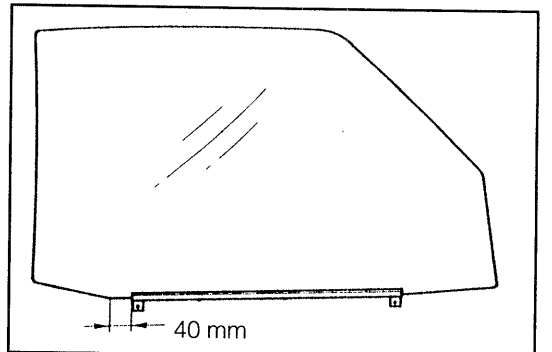
4. Remove the front door window regulator assembly by removing the five bolts.
5. Remove the front door glass weatherstrip outer and inner.
6. Remove the front door glass run.
7. Remove the front door rear lower frame subassembly.



WRU90-BO139

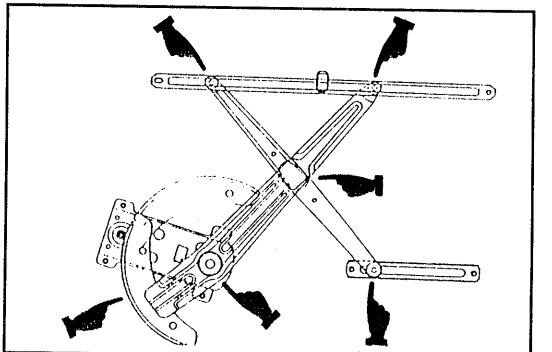
INSTALLATION

1. Install the front door rear lower frame subassembly to the body.
2. Install the front door glass run and front door upper trim to the body.
3. Install the front door glass weatherstrip outer and inner.
4. Install the front door glass channel weatherstrip and front door glass channel subassembly to the front door glass.



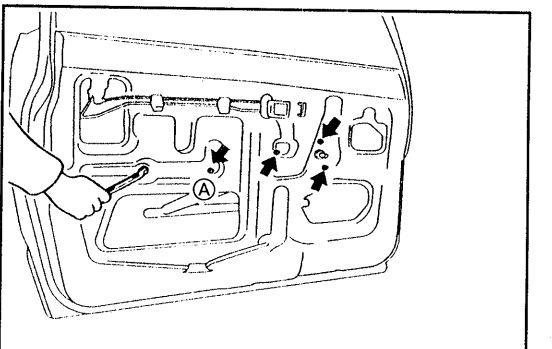
WRU90-BO140

5. Installation of front door window regulator assembly
 - (1) Apply MP grease to the sliding section.



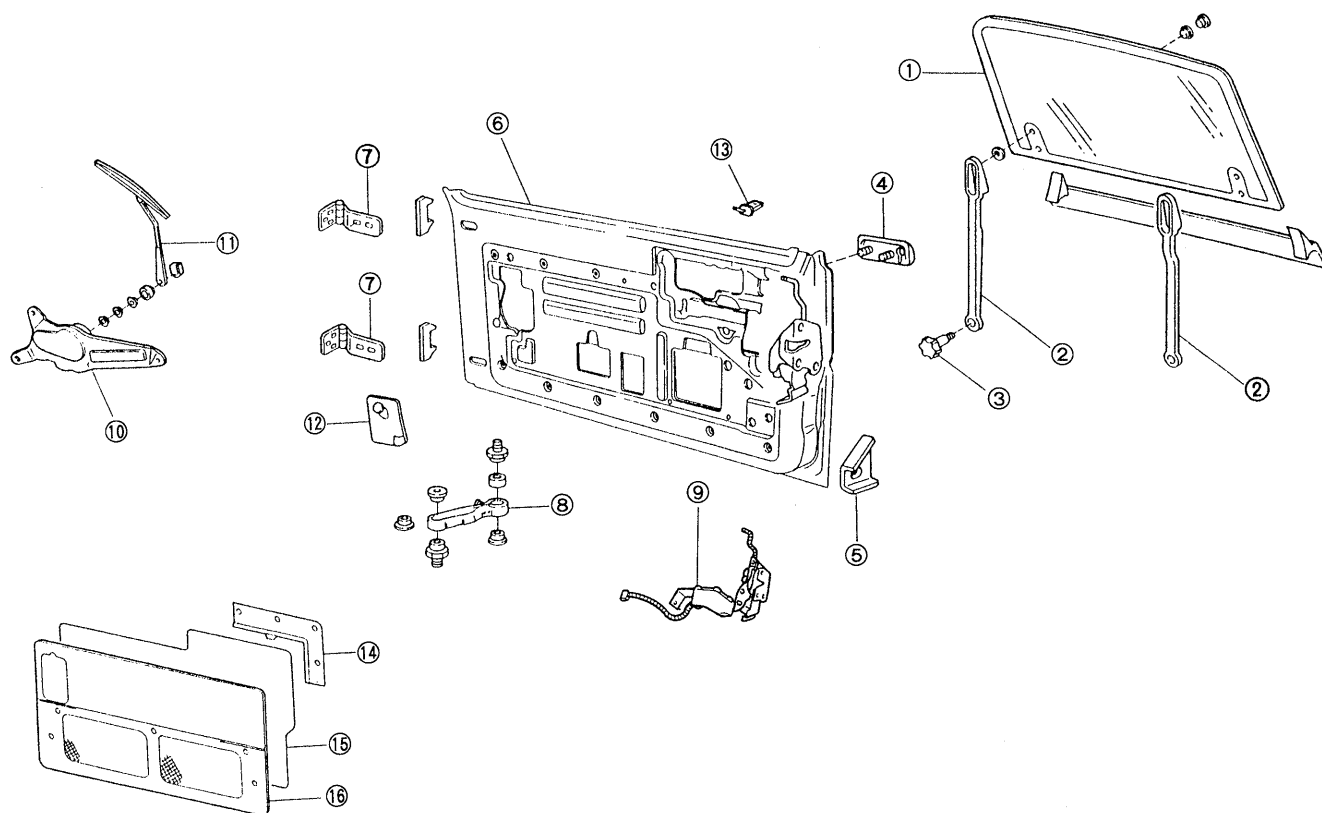
WRU90-BO141

- (2) Install the front door window regulator assembly. (Tighten the bolts other than the bolts **A**. Then, tighten the two bolts **A** at the center section of the elongated hole of the door panel.)
6. Installation of front door glass subassembly
 - (1) Install the front door glass subassembly.
 - (2) Close the front door glass fully. Then, lower the front door glass 40 mm (1.57 inches).
 - (3) First loosen the bolts **A** and then tighten them again.
7. Install the door trim-related parts.



WRU90-BO142

BACK DOOR COMPONENTS



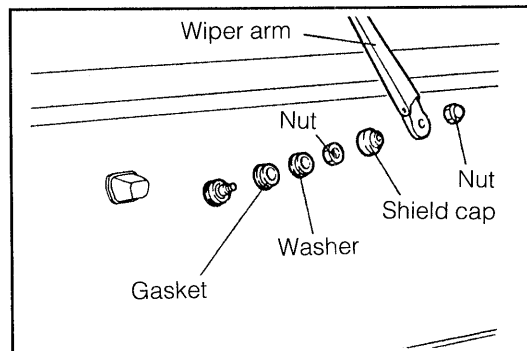
- ① Back door glass
- ② Back door window bracket
- ③ Handle
- ④ Back door handle Ay
- ⑤ Back door down male back stopper
- ⑥ Back door panel
- ⑦ Back door hinge
- ⑧ Back door check

- ⑨ Back door control motor Ay
- ⑩ Rear wiper motor Ay
- ⑪ Rear wiper arm
- ⑫ Rear washer jar Ay
- ⑬ Rear washer nozzle Ay
- ⑭ Back door service hole panel cover
- ⑮ Service hole cover
- ⑯ Back door trim

WRU90-BO143

REMOVAL

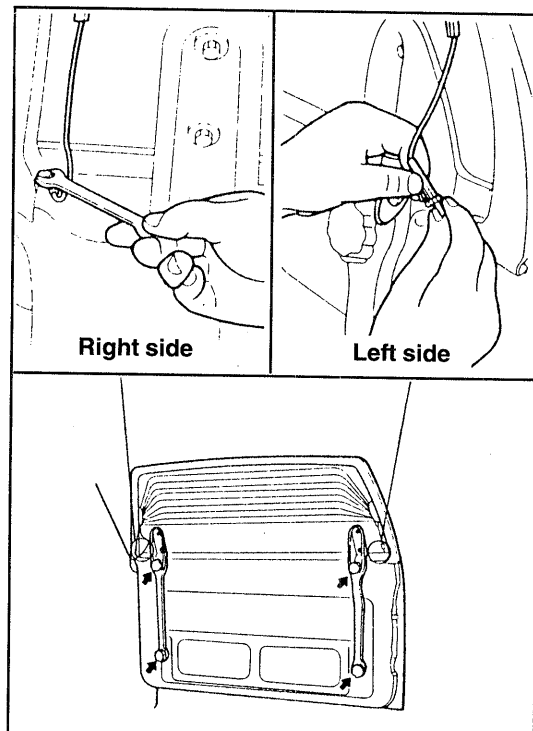
1. Remove the spare tire and spare wheel carrier.
2. Removal of wiper arm and blade
 - (1) Remove the nut wiper arm and shield cap.
 - (2) Remove the nut, washer and gasket.



WRU90-BO144

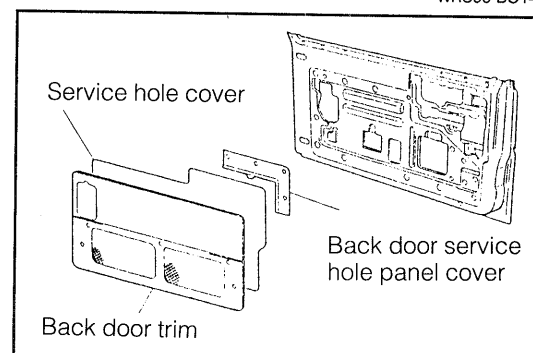
2. Removal of back door glass

- (1) Remove the back door glass deffogger ground harness attaching bolt to disconnect the rear window deffogger ground harness from the back door.
- (2) Disconnect the connector for the rear window deffogger at left side.
- (3) Remove the rear window by removing the four handles.



WRU90-BO145

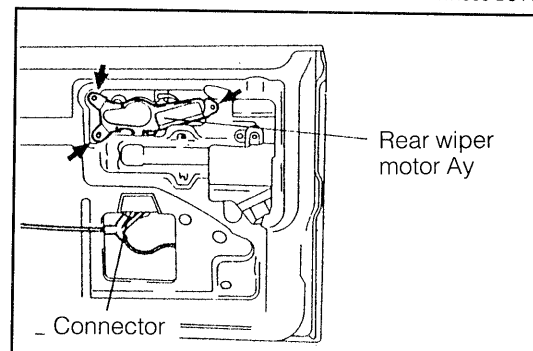
3. Remove the back door trim by removing the clips (14 points).
4. Remove the back door service hole panel cover No. 1 by removing the four screws.
5. Remove the service hole cover.



WRU90-BO146

6. Removal of rear wiper motor assembly

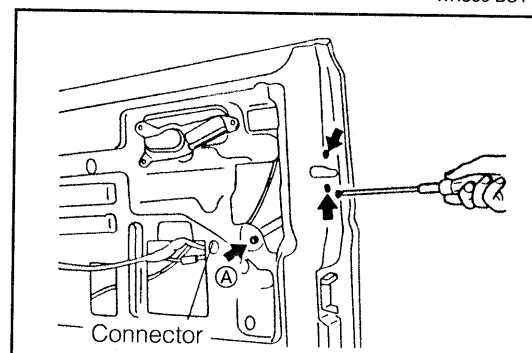
- (1) Disconnect the connector.
- (2) Remove the rear wiper motor assembly by removing the three bolts.



WRU90-BO147

7. Removal of back door lock assembly

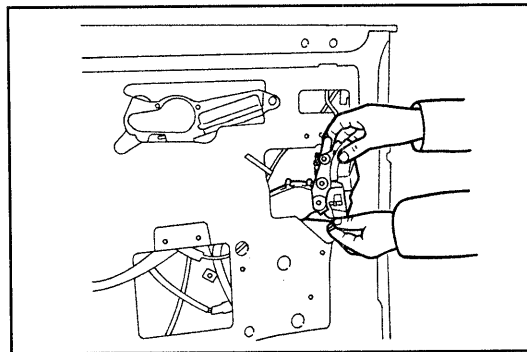
- (1) Remove the link-related parts.
- (2) Remove the three attaching screws of the back door lock assembly. (In the case of the back door opener-equipped vehicle, remove the bolt ① and disconnect the connector.)
- (3) Tack out the back door lock assembly from the back door.



WRU90-BO148

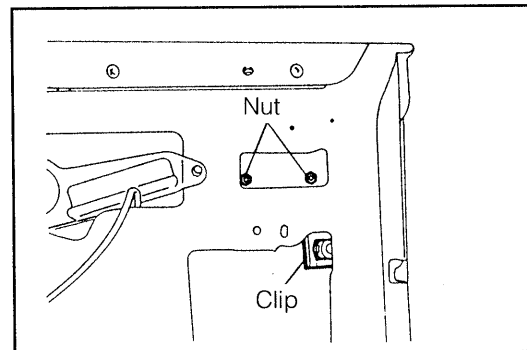
BODY

- (4) Remove the back door control motor assembly from the back door lock assembly. (In the case of the back door opener-equipped vehicle only.)



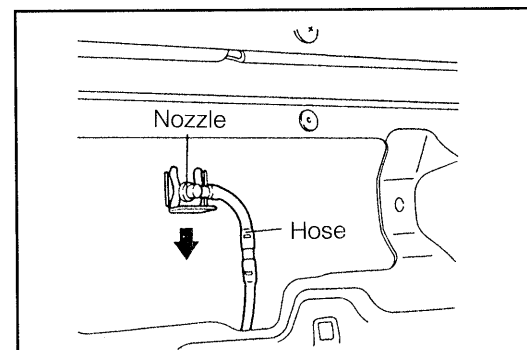
WRU90-BO149

8. Remove the back door outside handle assembly by removing the two nuts.
9. Detach the clip. Remove the key cylinder.



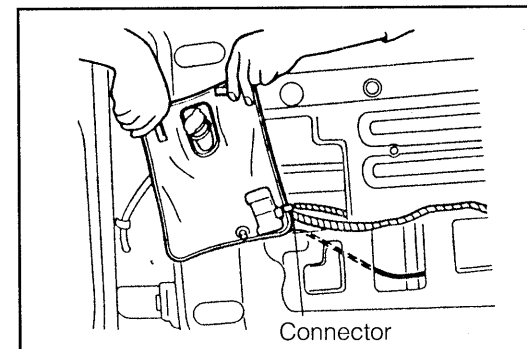
WRU90-BO150

10. Remove the rear window washer-related parts.
- (1) Remove the rear washer nozzle assembly. Detach the hose and clip from the nozzle assembly.



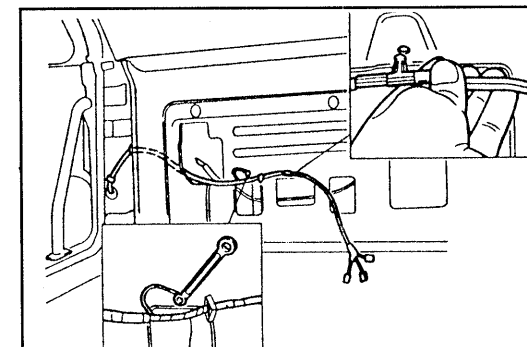
WRU90-BO151

- (2) Remove the rear washer jar assembly with hose. Disconnect the connector.



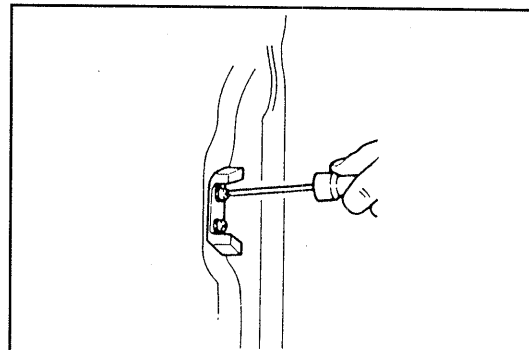
WRU90-BO152

11. Remove the harness and grommet from the back door.



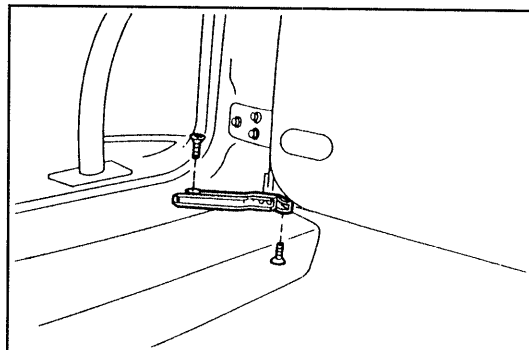
WRU90-BO153

12. Remove the back door down male stopper.



WRU90-BO154

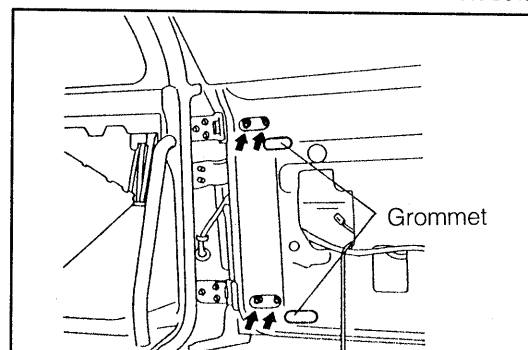
13. Remove the back door check subassembly.



WRU90-BO155

14. Removal of back door panel

- (1) Remove the grommets.
- (2) Remove the back door panel from the vehicle by removing the bolts.

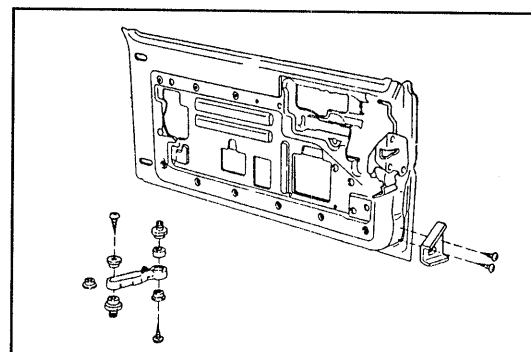


WRU90-BO156

INSTALLATION

1. Installation of back door panel

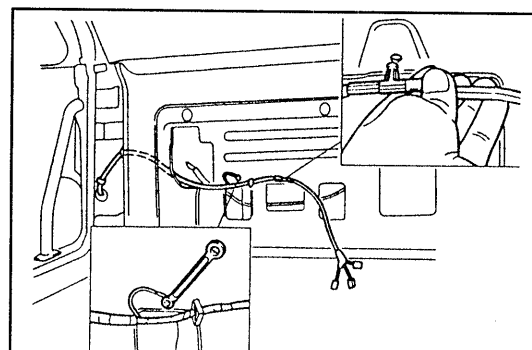
- (1) Install the back door panel to the vehicle with the bolts.
- (2) Install the grommets.
- (3) Install the back door check subassembly.



WRU90-BO157

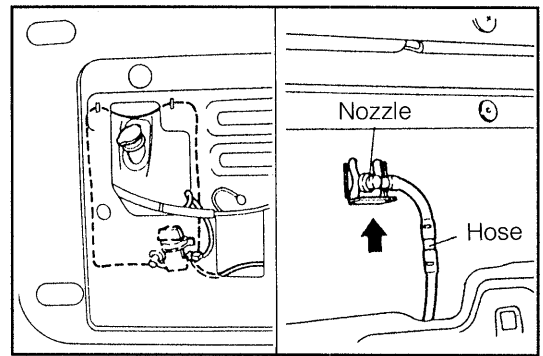
2. Install the back door down male stopper with the two screws.

3. Install the harness to the back door.



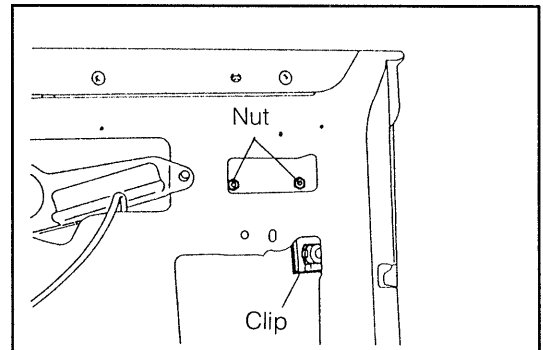
WRU90-BO158

4. Installation of rear window washer-related parts.
 - (1) Install the rear washer jar assembly with hose and connector to the rear washer jar.
 - (2) Install the rear washer nozzle assembly, attached hose and clip to the nozzle assembly.



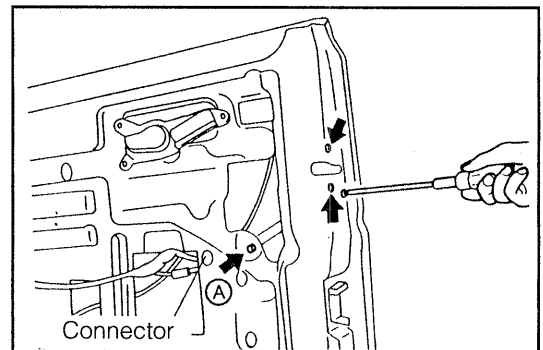
WRU90-BO159

5. Place the key cylinder on the back door. Secure the lock cylinder with the clip.



WRU90-BO160

6. Installation of back door lock assembly
 - (1) Install the back door control solenoid assembly in the back door lock assembly. (In the case of the back door opener-equipped vehicle only)
 - (2) Install the back door lock assembly with the three screws. (In the case of the back door opener-equipped vehicle, install the bolt (A) and connect the connector.)
 - (3) Install the link-related parts.

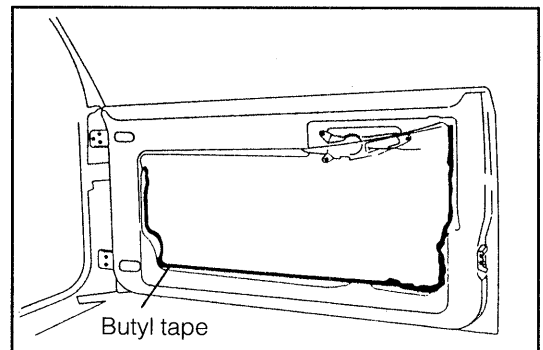


WRU90-BO161

7. Install the service hole cover.

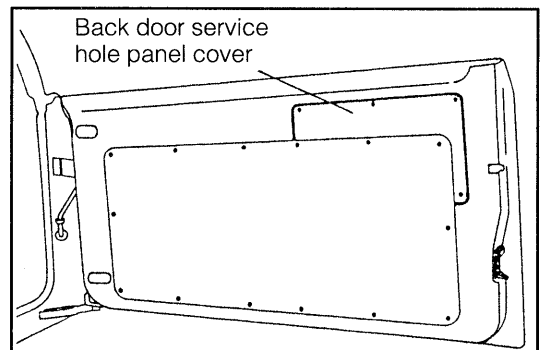
NOTE:

1. Affix butyl tape to the points indicated in the right figure.
2. Replace any service hole cover which exhibits rupture.



WRU90-BO162

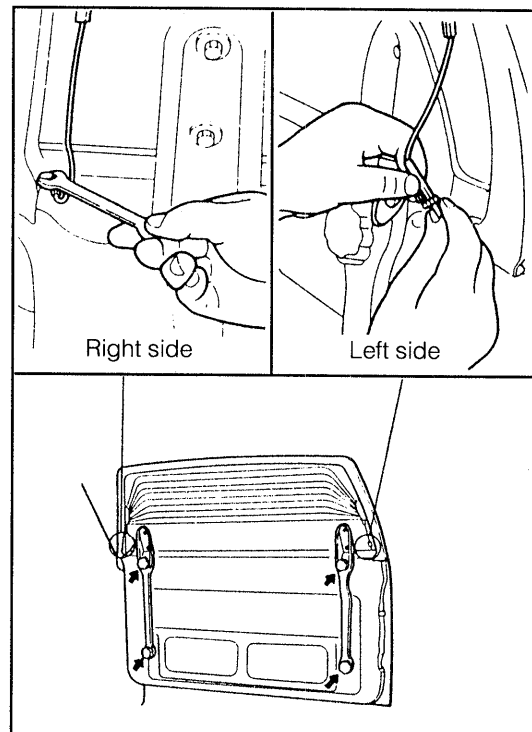
8. Install the back door service hole panel cover No. 1 by with the four screws.
9. Installation of back door trim
 - (1) Ensure that the clips are attached to the back door trim.
 - (2) Install the back door trim to the back door.



WRU90-BO163

10. Installation of back door glass

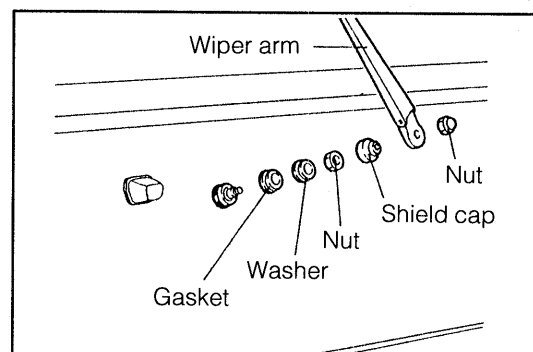
- (1) Install the back door glass with the for handles.
- (2) Install the rear window deffogger ground harness.



WRU90-BO164

11. Installation of wiper arm and blade.

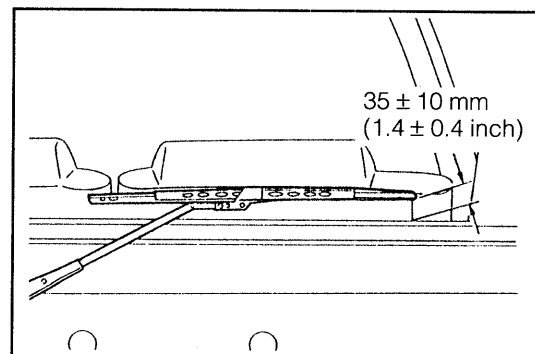
- (1) Install the Gasket, washer, net and shield cap.
- (2) Install the wiper arm and nut.



WRU90-BO165

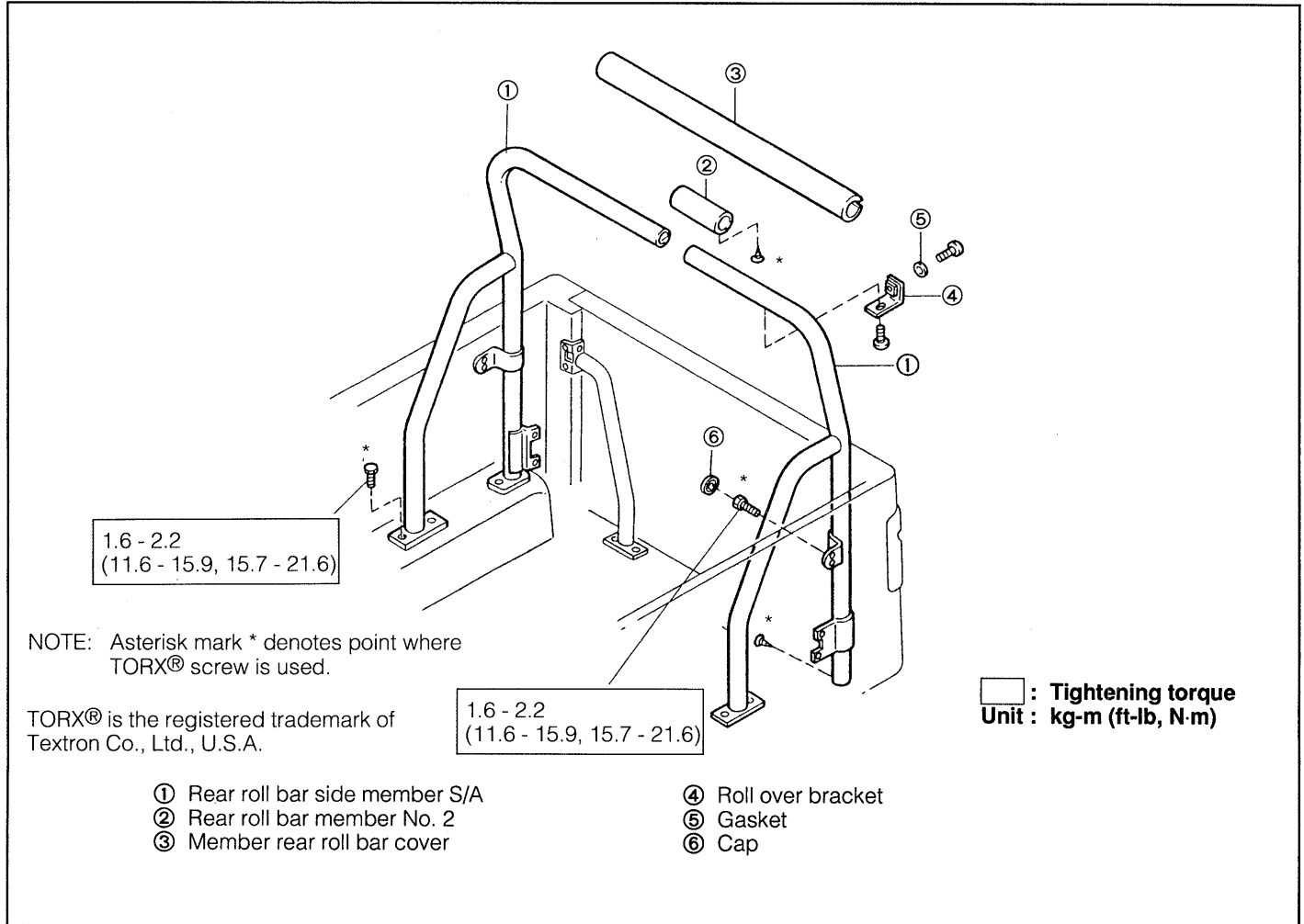
NOTE:

1. Operate the wiper motor and set the wiper arm to the automatic stopping position.
2. Set the wiper arm to the position as indicated in the right figure.



WRU90-BO166

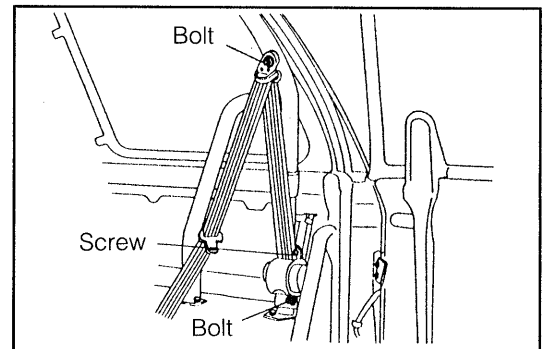
REAR ROLL BAR COMPONENTS



WRU90-BO167

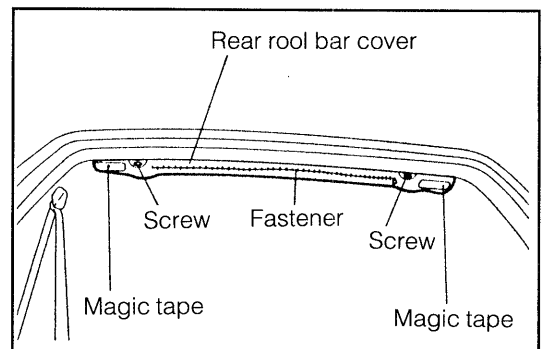
REMOVAL

1. Removal the three point rear seat belts.



WRU90-BO168

2. Removal of rear roll bar cover
 - (1) Remove the magic tapes.
 - (2) Remove the fastener.
 - (3) Remove the rear roll bar cover from the rear roll bar.
 - (4) Remove the two screws.

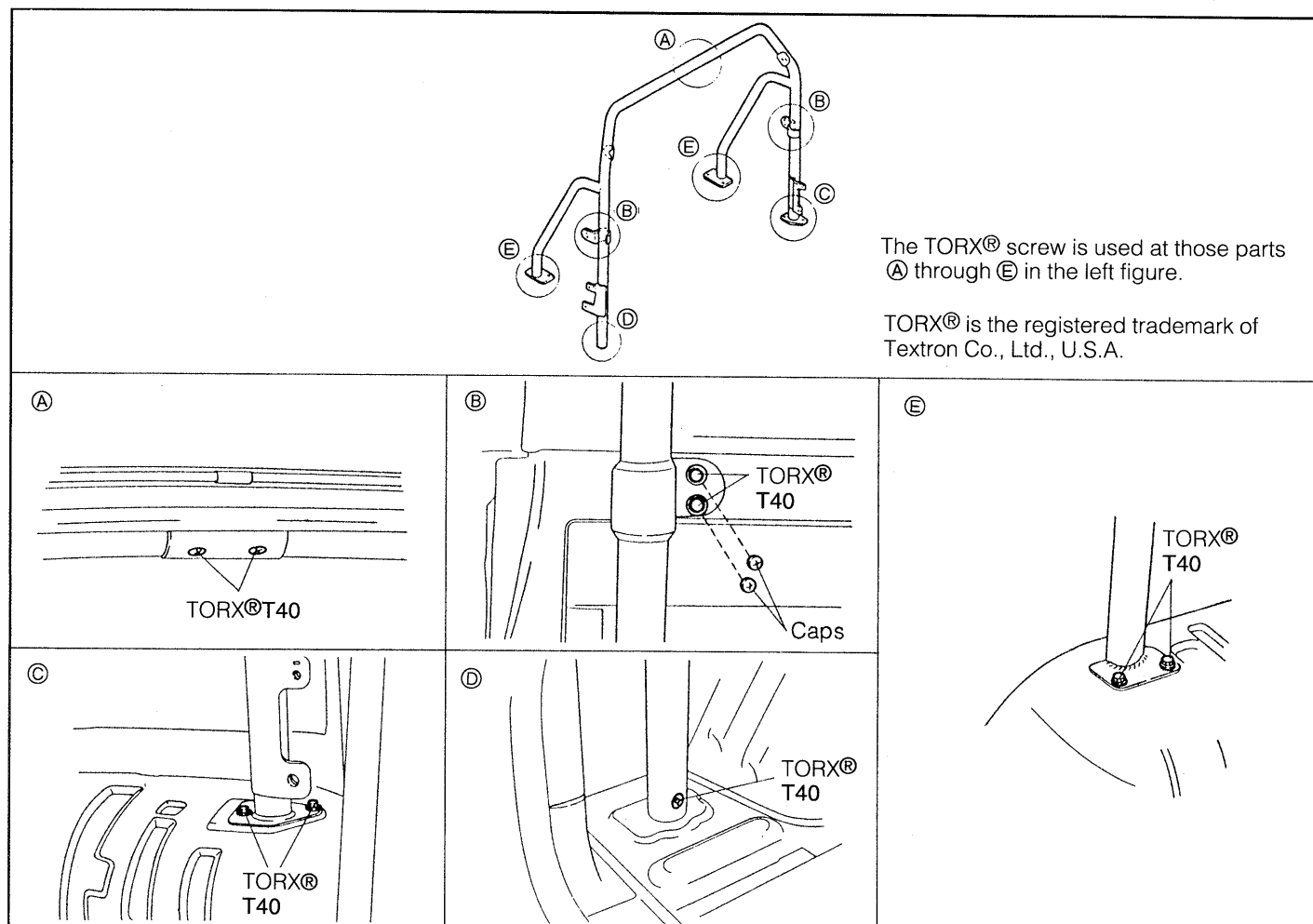


WRU90-BO169

3. Remove the rear roll bar.

NOTE:

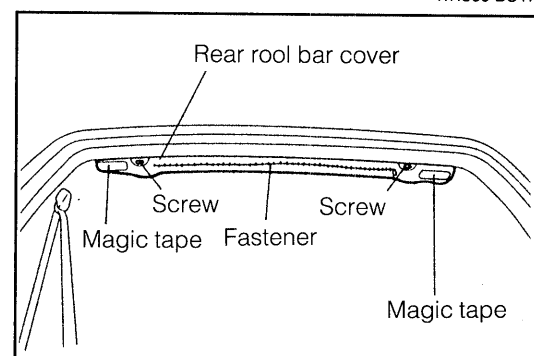
The rear roll bar employs the TORX® screw so that the owner may not detach the roller bar easily.



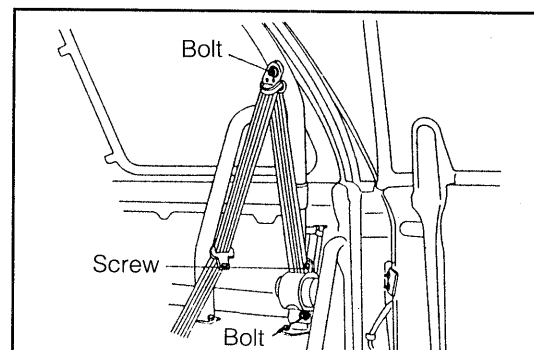
WRU90-BO170

INSTALLATION

1. Install the rear roll bar to the body.
Tightening Torque: 1.6 - 2.2 kg-m
(11.6 - 15.7 ft-lb, 15.7 - 21.6 N-m)
2. Installation of rear roll bar cover
 - (1) Install the two screws.
 - (2) Install the rear roll bar cover to the rear roll bar with the fastener and magic tapes.
3. Install the three point rear seat belts.
Tightening torque: 2.9 - 5.4 kg-m
(21 - 39 ft-lb, 28.4 - 53.0 N-m)

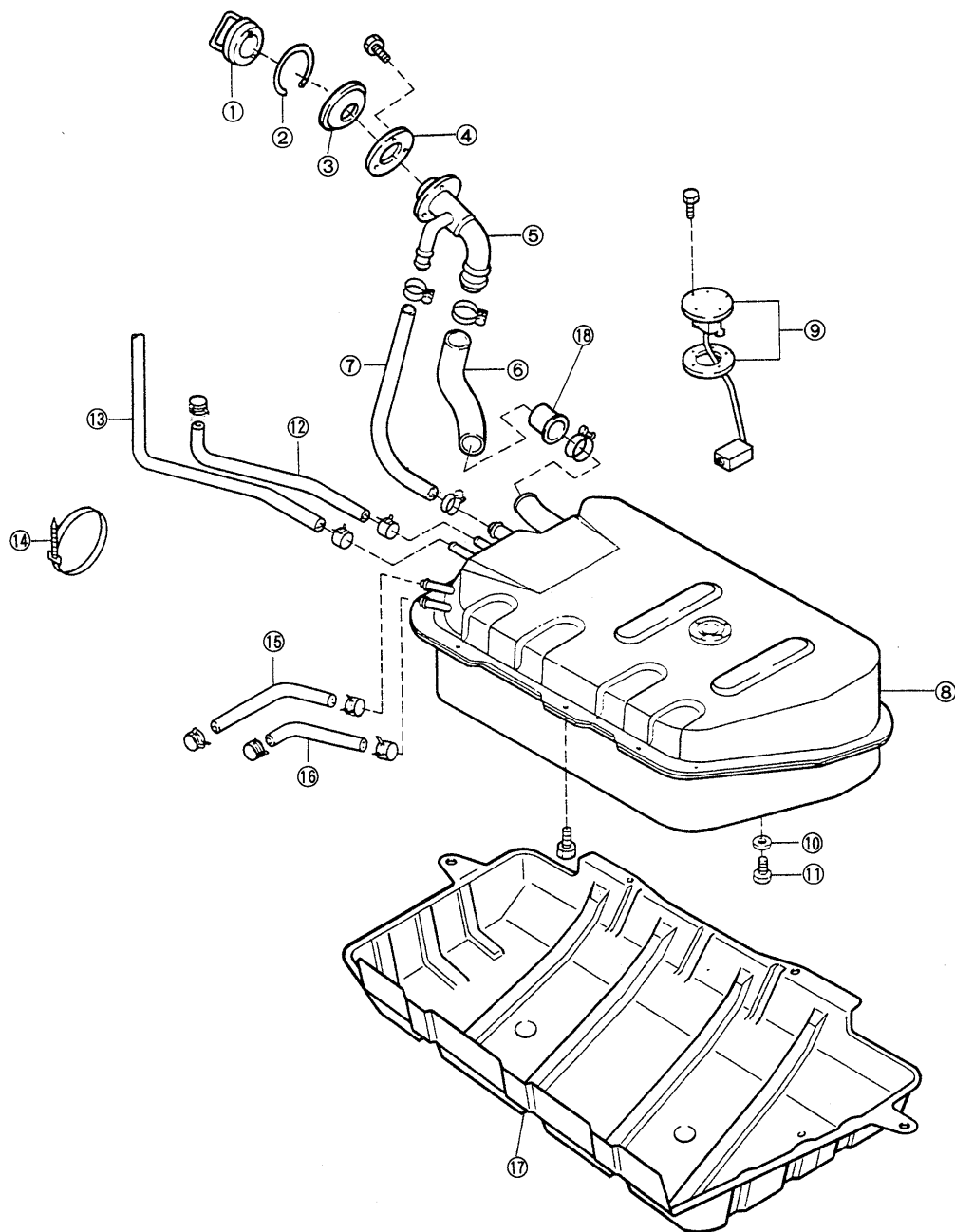


WRU90-BO171



WRU90-BO172

FUEL TANK COMPONENTS



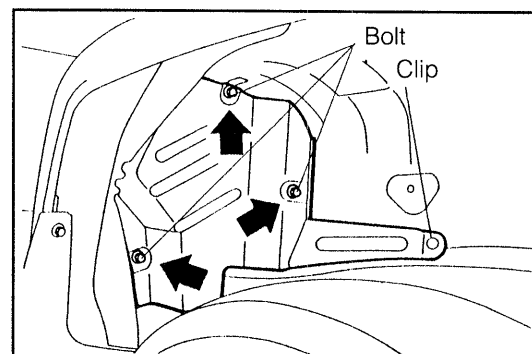
- ① Fuel tank cap Ay
- ② Inlet box ring
- ③ Fuel tank filler pipe shield No. 2
- ④ Inlet shield fuel tank No. 1
- ⑤ Fuel tank inlet pipe S/A
- ⑥ Inlet fuel tank sub hose
- ⑦ Breather tube hose
- ⑧ Fuel tank Ay
- ⑨ Fuel sender gauge Ay

- ⑩ Gasket
- ⑪ Drain plug
- ⑫ Hose
- ⑬ Hose
- ⑭ Clamp
- ⑮ Fuel return hose
- ⑯ Fuel hose
- ⑰ Fuel tank protector S/A
- ⑱ Fuel shutter valve assembly

FUEL INLET PIPE

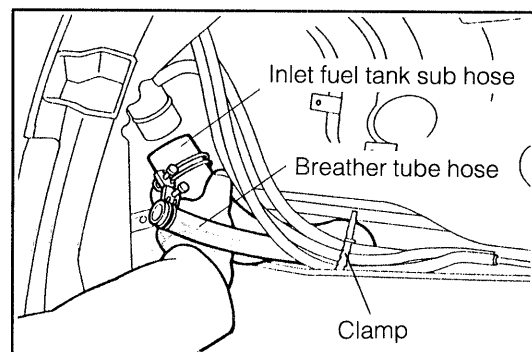
REMOVAL

1. Remove the inlet fuel protector by removing the three bolts and one clip.



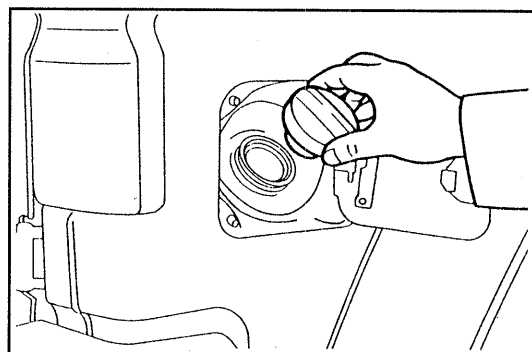
WRU90-BO174

2. Remove the inlet fuel tank sub hose and breather hose.



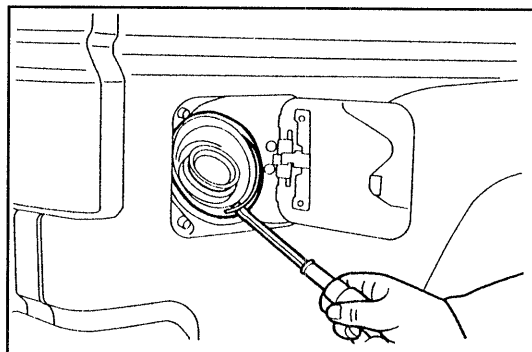
WRU90-BO175

3. Remove the fuel tank cap assembly.



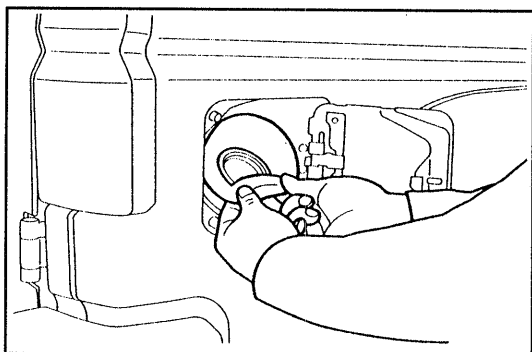
WRU90-BO176

4. Remove the inlet box ring.



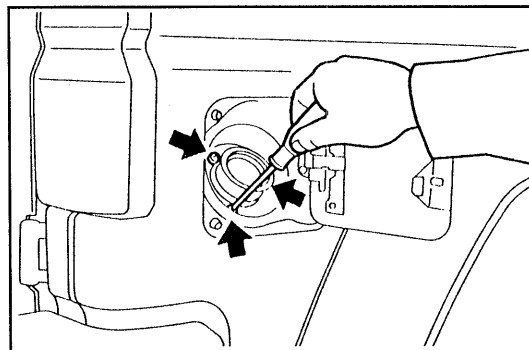
WRU90-BO177

5. Remove the fuel tank filler pipe shield No. 2.



WRU90-BO178

6. Remove the fuel tank inlet pipe subassembly by removing the three screws.



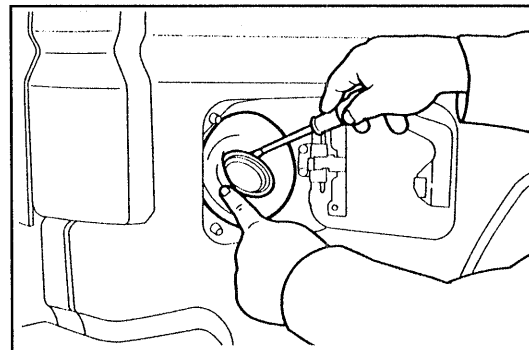
WRU90-BO179

INSTALLATION

1. Install the fuel tank inlet pipe subassembly and inlet shield fuel tank No. 1 with the three screws.
2. Install the fuel tank filler pipe shield No. 2.

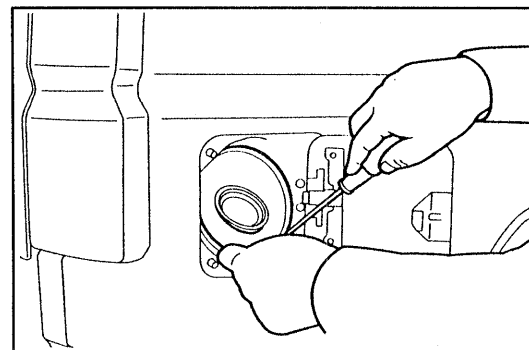
NOTE:

The cut-out section should face toward the lower side.



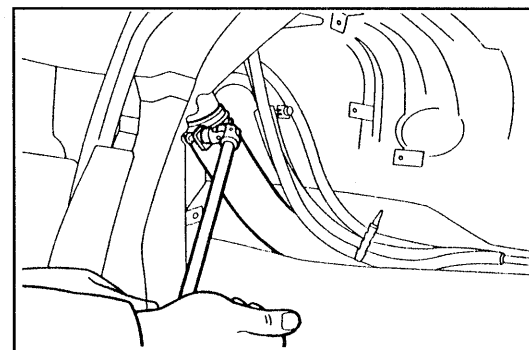
WRU90-BO180

3. Install the inlet box ring.
4. Install the tank cap assembly.



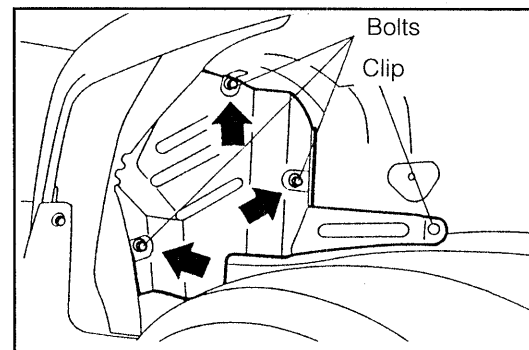
WRU90-BO181

5. Attach the inlet fuel tank sub hose and breather hose to the fuel tank inlet pipe.



WRU90-BO182

6. Install the inlet fuel protector with the three bolts and one clip.

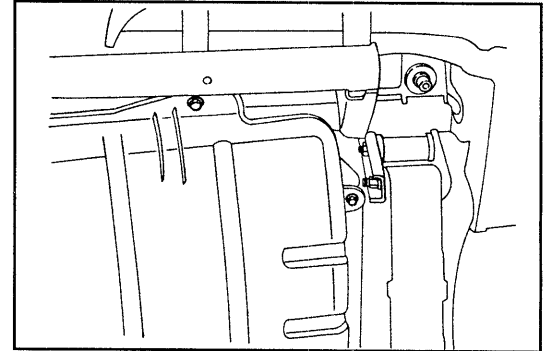


WRU90-BO183

FUEL TANK

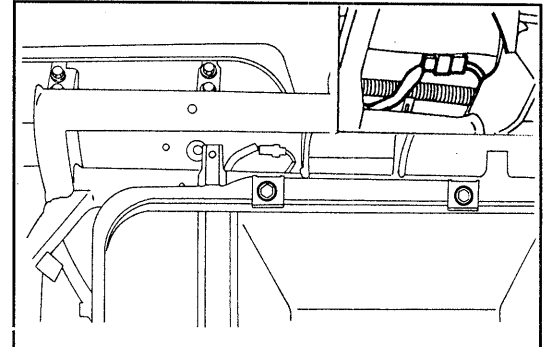
REMOVAL

1. Drain the fuel from the fuel tank by removing the drain plug.
After the fuel has been drained, install the drain plug.
2. Remove the fuel tank protector subassembly.



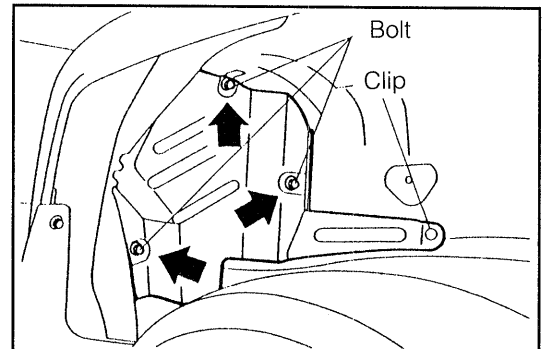
WRU90-BO184

3. Disconnect the fuel sender gauge connector.



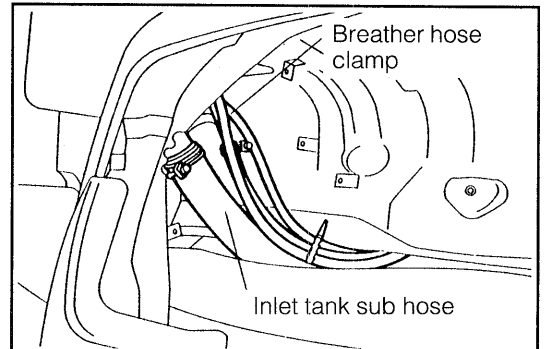
WRU90-BO185

4. Remove the inlet fuel protector by removing the three bolts and one clip.



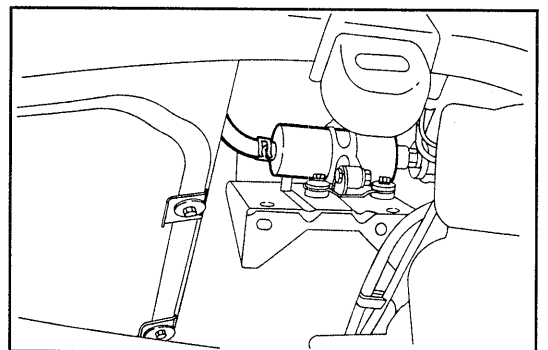
WRU90-BO186

5. Remove the inlet tank sub hose, breather hose and clamp.



WRU90-BO187

6. Removal of fuel hose and fuel return hose
 - (1) Remove the fuel pump bracket subassembly by removing the three bolts.
 - (2) Remove the clamps and separate the fuel hose and fuel return hose.

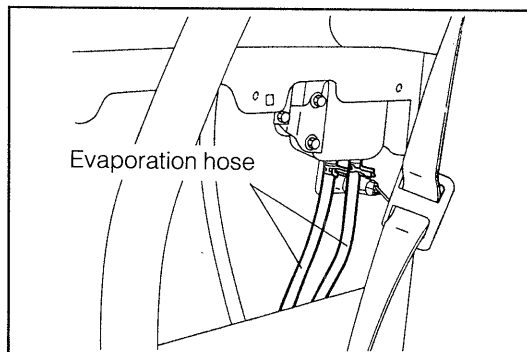


WRU90-BO188

7. Remove the clamps and disconnect the evaporation hoses.

NOTE:

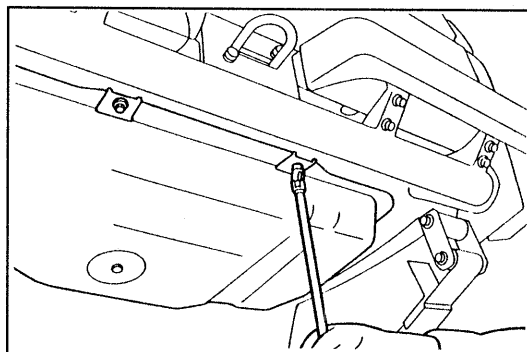
It is not necessary to disconnect the black hose.



WRU90-BO189

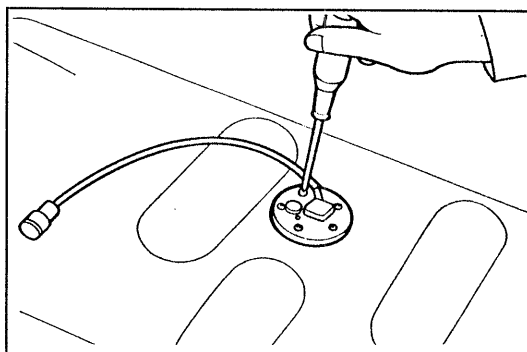
8. Removal of fuel tank assembly

- (1) Support the fuel tank assembly with a jack.
- (2) Remove the five attaching bolts of the fuel tank.



WRU90-BO190

9. Remove the fuel hoses.
10. Remove the fuel sender gauge assembly by removing the five screws.



WRU90-BO191

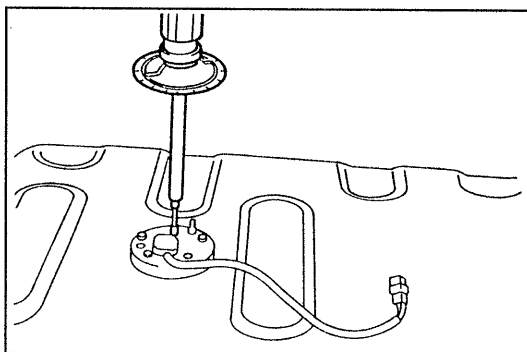
INSTALLATION

1. Install of fuel tank assembly

- (1) Install the fuel sender gauge assembly with the five screws.

Tightening torque: 2kg-cm (0.14 ft-lb, 0.2 N·m)

- (2) Install the evaporation hoses.

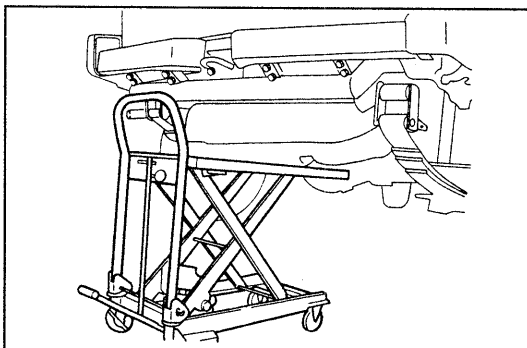


WRU92-BO406

- (3) Install the fuel hoses to the fuel tank assembly.
- (4) Install the fuel tank assembly with the five bolts.

NOTE:

The wire harness of the fuel sender gauge should be brought outside.



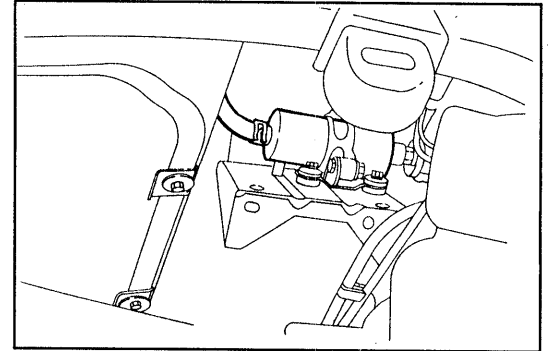
WRU90-BO193

2. Install of fuel hose and fuel return hose
 - (1) Attach the fuel hose and fuel return hose to the fuel tank assembly. Secure it with the clamps.

CAUTION:

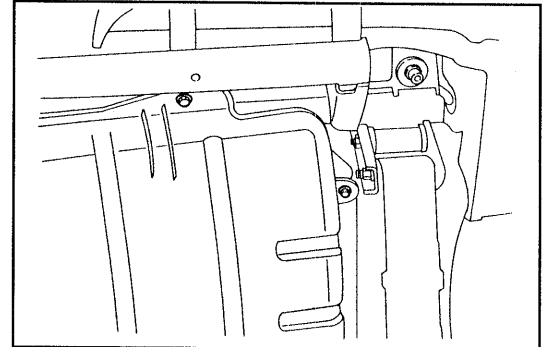
When installing the fuel hose, ensure that the filter is attached at the magnetic pump side.

- (2) Install the fuel pump bracket subassembly with the three bolts.



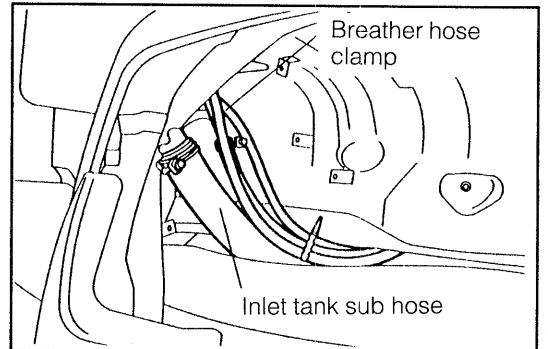
WRU90-BO194

3. Connect the fuel sender gauge connector.



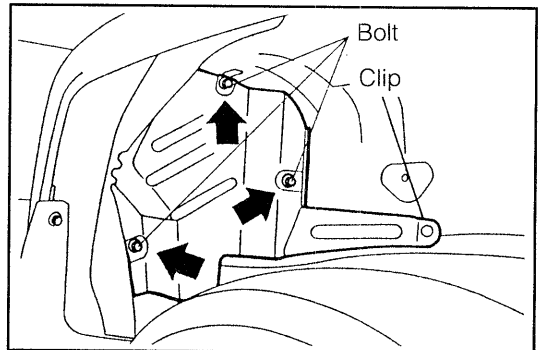
WRU90-BO195

4. Attach the inlet tank sub hose, breather hose and clamp.



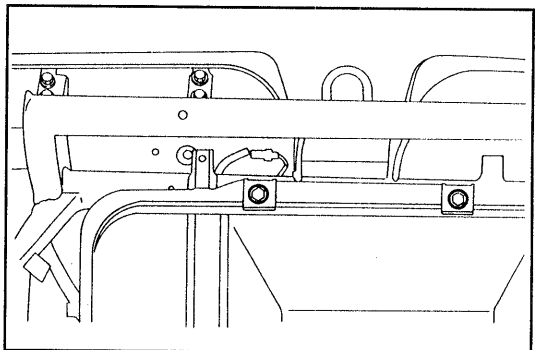
WRU90-BO196

5. Install the inlet fuel protector with the three bolts and one clip.



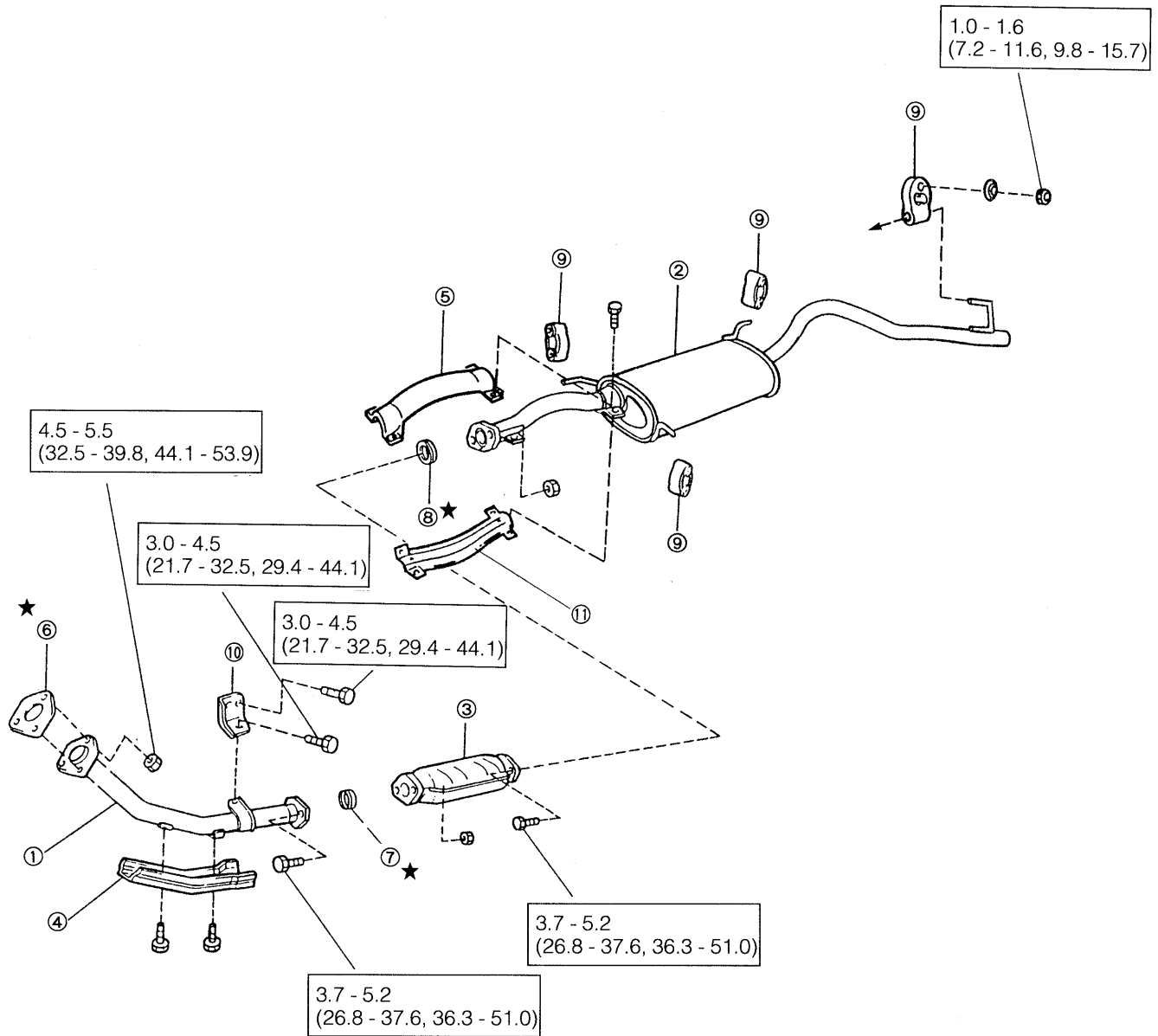
WRU90-BO197

6. Install the fuel tank protector subassembly with the four bolts.



WRU90-BO198

EXHAUST PIPE COMPONENTS



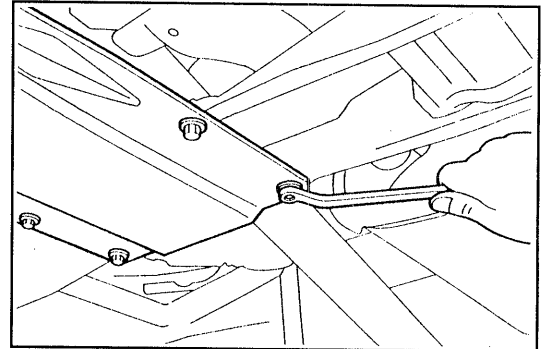
T : Tightening torque
Unit : kg-m (ft-lb, N-m)
★ : Non-reusable parts

- ① Front exhaust pipe Ay
- ② Tail pipe Ay
- ③ Catalyst converter Ay
- ④ Exhaust pipe heat insulator
- ⑤ Exhaust pipe upper insulator No. 1
- ⑥ Gasket

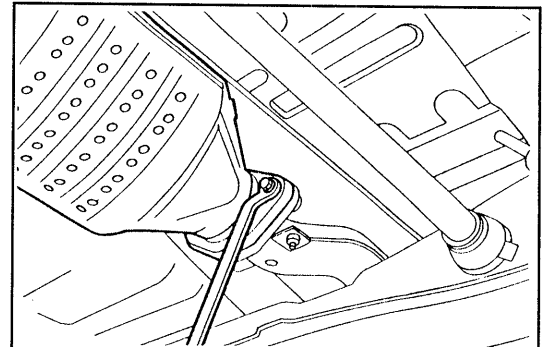
- ⑦ Gasket
- ⑧ Gasket
- ⑨ Exhaust pipe support
- ⑩ Exhaust pipe support bracket No. 1
- ⑪ Exhaust pipe lower insulator No. 1

REMOVAL

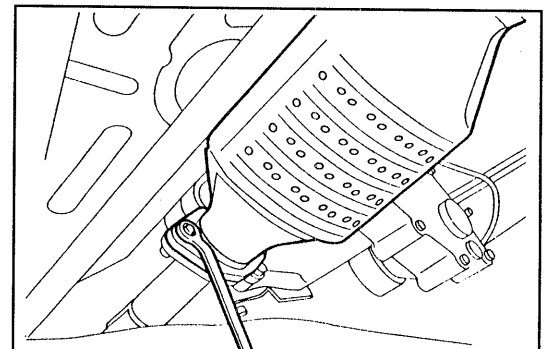
1. Remove the transmission undercover.
2. Separate the tail pipe assembly from the catalyst converter assembly.
3. Separate the catalyst converter assembly from the front exhaust pipe assembly.
4. Remove the exhaust pipe support of the tail pipe assembly.
5. Remove the muffler support of the tail pipe assembly from the vehicle body hanger. Remove the tail pipe assembly.



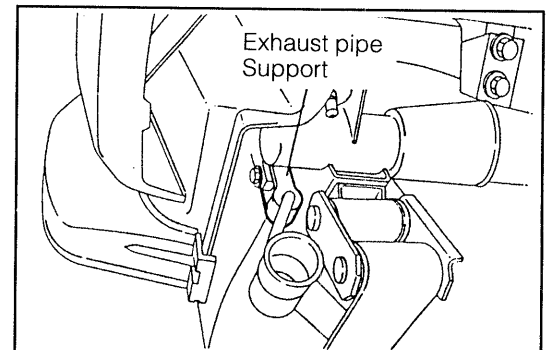
WRU90-BO200



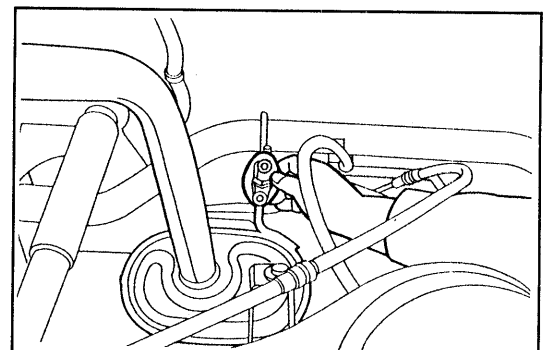
WRU90-BO201



WRU90-BO202



WRU90-BO203

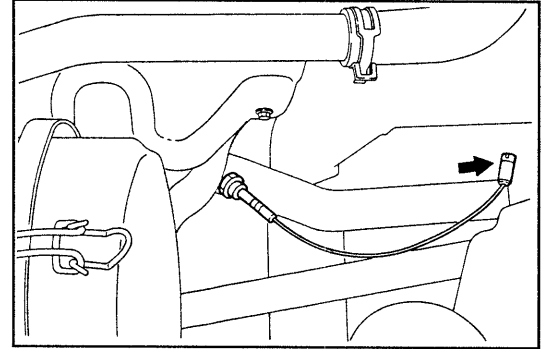


WRU90-BO204

6. Disconnect the coupler of the O₂ sensor.

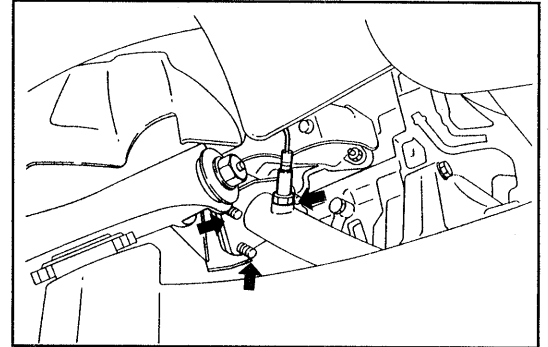
NOTE:

Do not disconnect the O₂ sensor from the exhaust pipe, for the gasket of the O₂ sensor is a non-reusable part and the gasket alone is not available.



WRU90-BO205

7. Remove the nuts of the front exhaust pipe assembly.

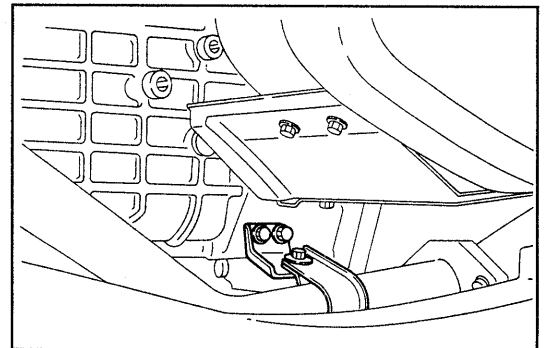


WRU90-BO206

8. Remove the exhaust pipe support bracket No. 1 of the front exhaust pipe assembly.
9. Remove the front exhaust pipe assembly.

CAUTION:

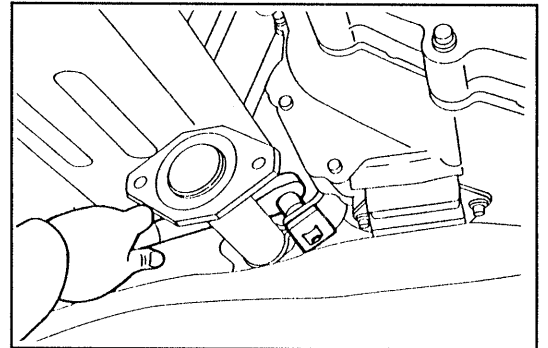
While removing the front exhaust pipe assembly, be very careful not to damage the O₂ sensor.



WRU90-BO207

INSTALLATION

1. Temporarily install the exhaust pipe support bracket No. 1 to the transfer adaptor bracket.



WRU90-BO208

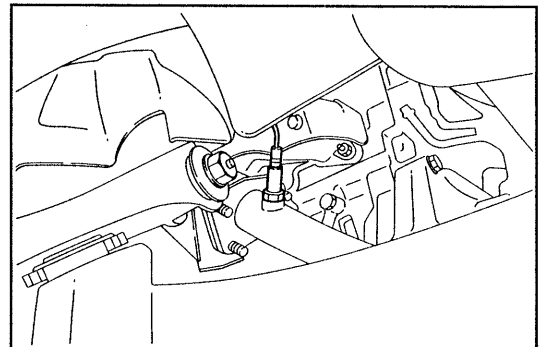
2. Install the front exhaust pipe assembly to the exhaust manifold.

NOTE:

- Be sure to install a new gasket, for it is a non-reusable part.

Tightening Torque: 4.5 - 5.5 kg-m
(32.5 - 39.8 ft-lb, 44.1 - 53.9 N-m)

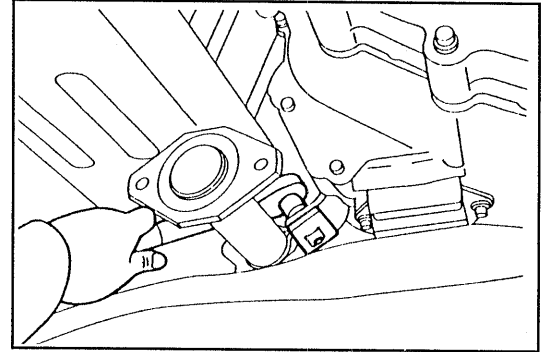
- Be sure to tighten the three nuts evenly and progressively.



WRU92-BO411

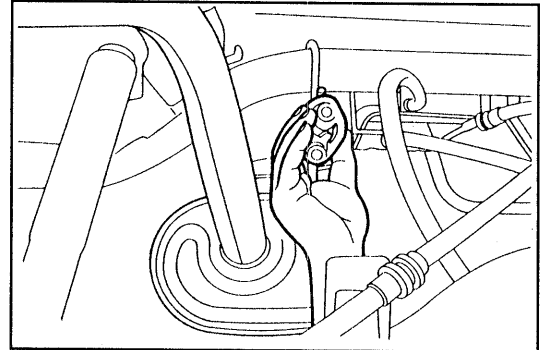
3. Tighten the bolt for the exhaust pipe support bracket No. 1 of the front exhaust pipe assembly.

Tightening Torque: 3.0 - 4.5 kg-m
(21.7 - 32.5 ft-lb, 29.4 - 44.1 N·m)



WRU90-BO210

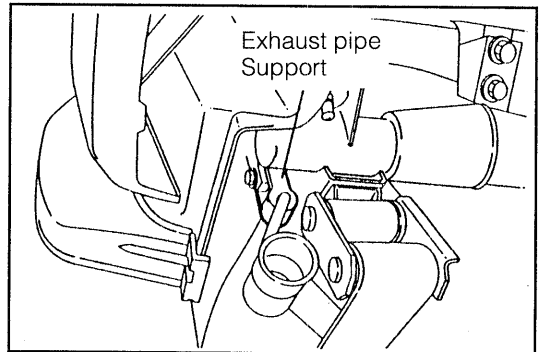
4. Attach the muffler support of the tail pipe assembly to the vehicle body hangers at the three points.



WRU90-BO211

5. Install the exhaust pipe support of the tail pipe assembly.

Tightening Torque: 1.0 - 1.6 kg-m
(7.2 - 11.6 ft-lb, 9.8 - 15.7 N·m)



WRU90-BO212

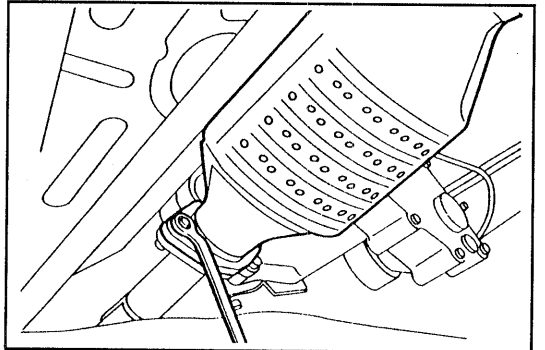
6. Install the catalyst converter assembly to the front exhaust pipe assembly.

NOTE:

- Be sure to install a new gasket, for it is a non-reusable part.

Tightening Torque: 3.7 - 5.2kg-m
(26.8 - 37.6 ft-lb, 36.3 - 51.0 N·m)

- Be sure to tighten the two bolts and nuts evenly and progressively.



WRU90-BO213

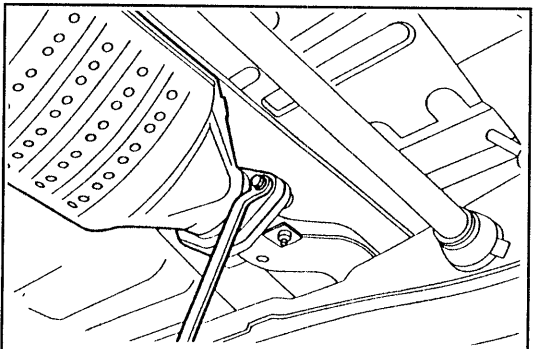
7. Install the tail pipe assembly to the catalyst converter assembly.

NOTE:

- Be sure to install a new gasket, for it is a non-reusable part.

Tightening Torque: 3.7 - 5.2kg-m
(26.8 - 37.6 ft-lb, 36.3 - 51.0 N·m)

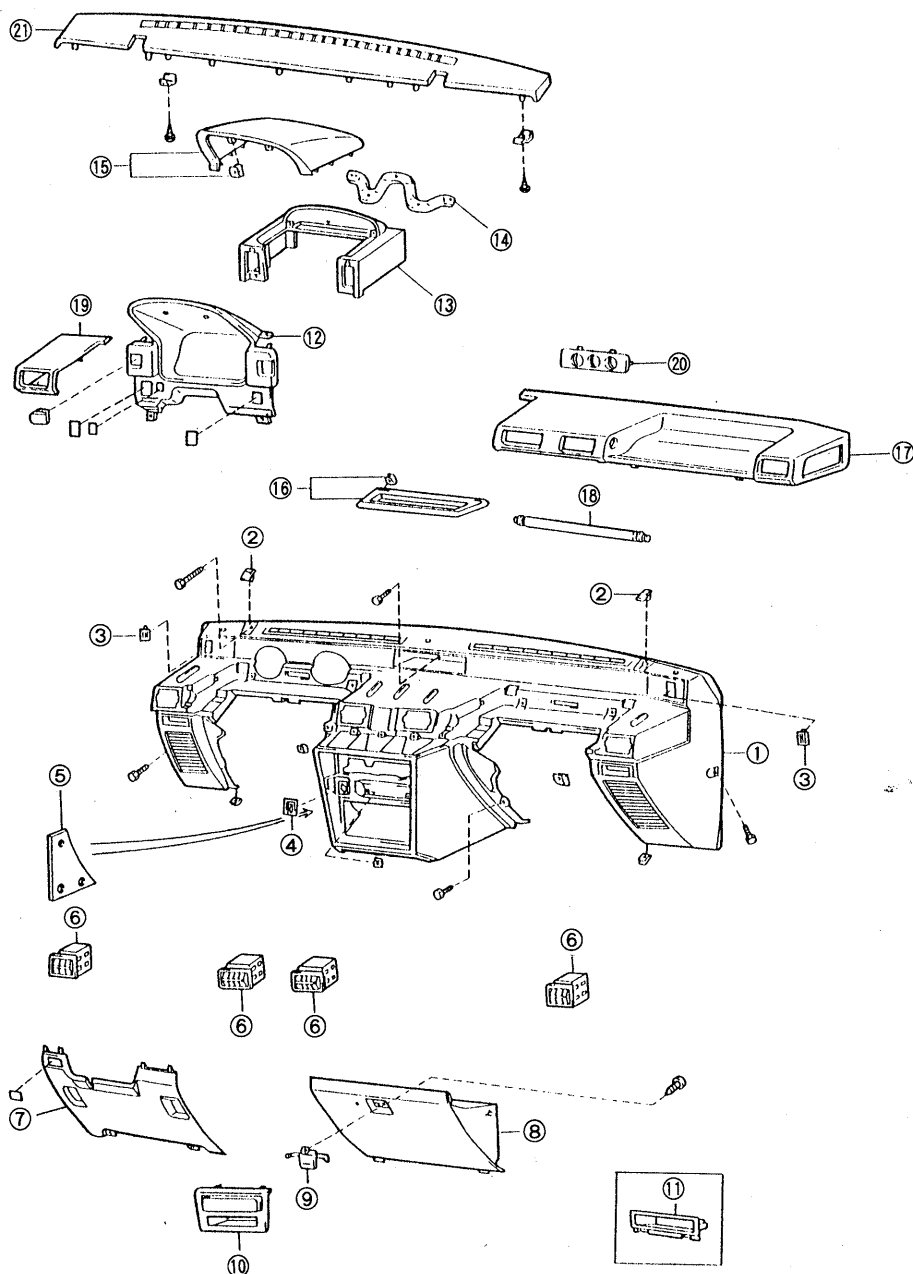
- Be sure to tighten the two bolts and nuts evenly and progressively.



WRU90-BO214

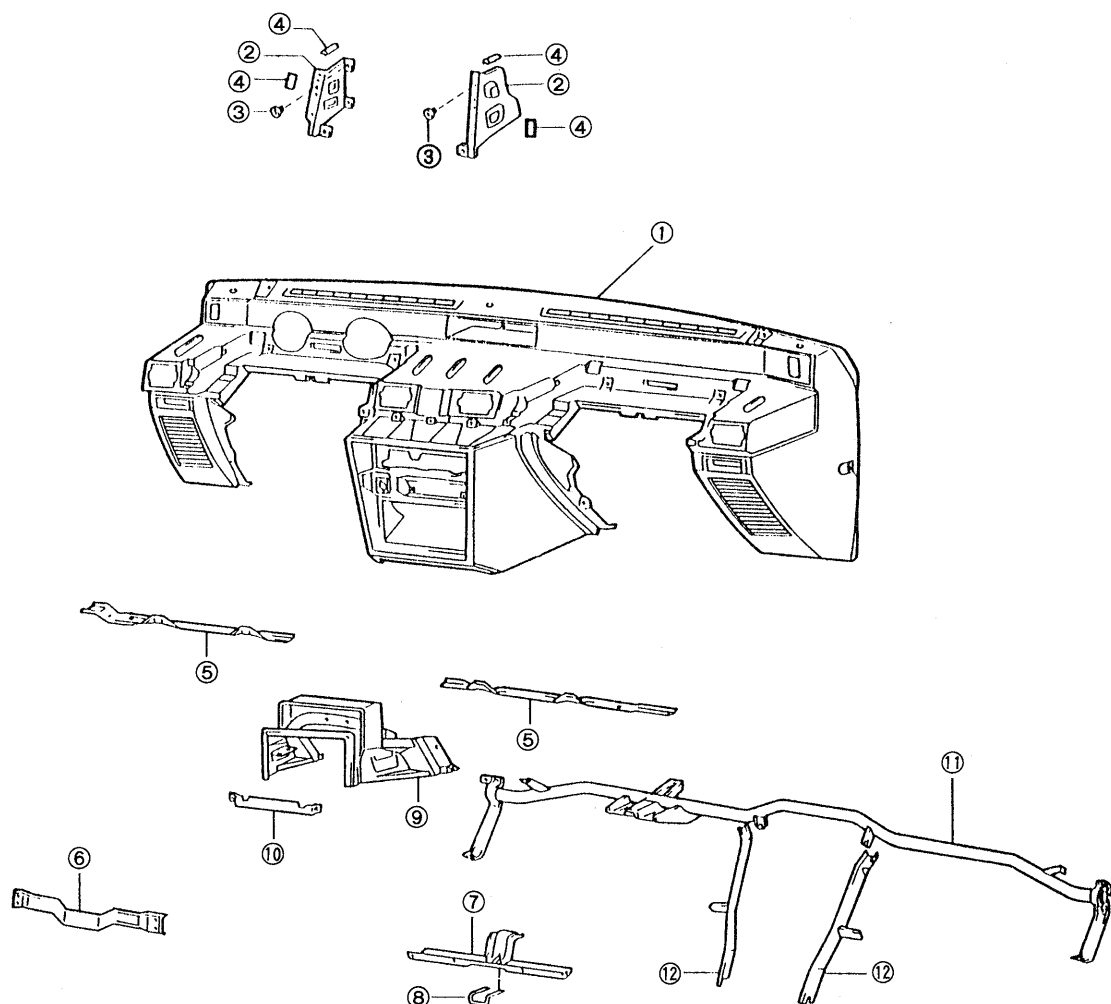
8. Connect the coupler of the O₂ sensor.
9. Install the transmission undercover.

INSTRUMENT PANEL COMPONENTS (PART 1)



- | | |
|---------------------------------------|---|
| ① Instrument panel S/A | ⑫ Rear panel instrument cluster finish |
| ② Instrument panel hole cover | ⑬ Front panel instrument cluster finish |
| ③ Defroster nozzle Ay | ⑭ Meter hood set bracket No. 3 |
| ④ Cigarette lighter bezel | ⑮ Upper instrument cluster finish panel |
| ⑤ Instrument panel center pad Ay | ⑯ Center instrument panel tray |
| ⑥ Instrument panel register Ay | ⑰ Instrument panel safety pad S/A |
| ⑦ Instrument panel finish panel lower | ⑱ Side instrument panel safety pad S/A |
| ⑧ Glove compartment S/A | ⑲ Upper instrument panel finish panel |
| ⑨ Glove compartment door lock Ay | ⑳ Defroster nozzle opening cover |
| ⑩ Radio cover | |
| ⑪ Stereo opening cover | |

COMPONENTS (PART 2)



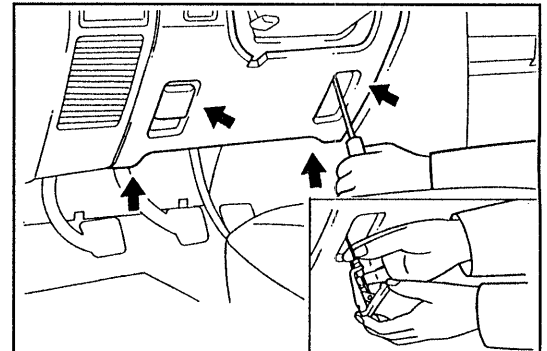
- | | |
|--|---|
| ① Instrument panel S/A | ⑦ Glove compartment door lock retainer S/A |
| ② Meter hood set bracket | ⑧ Glove compartment door lock striker |
| ③ Clip No. 1 | ⑨ Instrument panel center reinforcement |
| ④ Edge protector | ⑩ Instrument panel lower center reinforcement |
| ⑤ Instrument panel reinforcement | ⑪ Pillar to pillar member Ay |
| ⑥ Instrument panel finish panel retainer No. 1 | ⑫ Instrument panel brace S/A |

REMOVAL OF INSTRUMENT PANEL

NOTE:

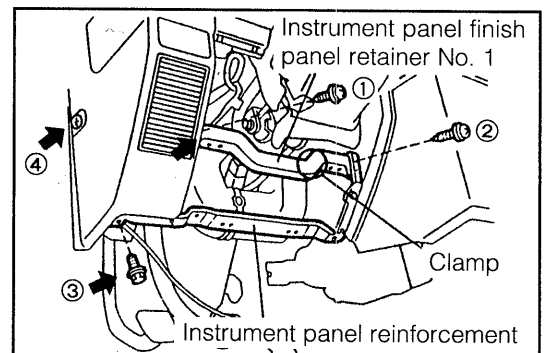
1. This installation and removal procedure has been described for those vehicles equipped with no air conditioner. As for those vehicles equipped with air conditioner, see the AC section.
2. The instrument panel, together with the heater control unit and cable, should be removed from the body.

1. Disconnect the battery cable from the negative \ominus terminal.
2. Remove the steering wheel assembly.
3. Removal of lower instrument panel finish panel
 - (1) Remove the hood lock control lever and wire.
 - (2) Remove the screws retaining the rheostat.
 - (3) Remove the two lower screws retaining the lower instrument panel finish panel.
 - (4) Disconnect the rear heater switch connector and the rheostat connector.



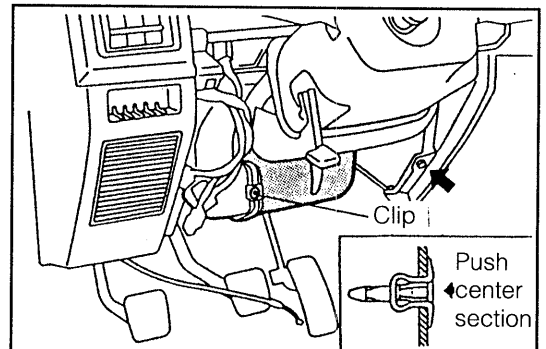
WRU90-BO217

4. Remove the screws ① and ② which retain the instrument panel finish panel retainer No. 1 at the right and left sides. (It is not necessary to remove the multi-use lever switch connector. Also, do not disconnect the connector.)
5. Remove the screws ③ and ④ located at the left side of the instrument panel. (It is not necessary to remove the instrument panel reinforcement.)



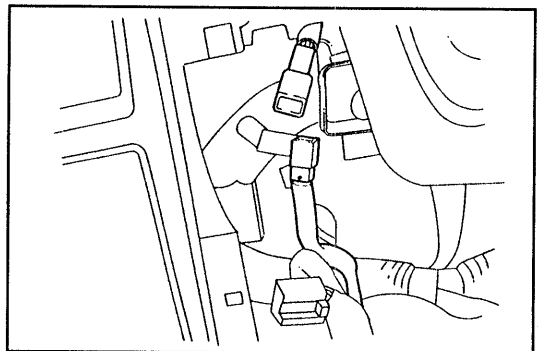
WRU90-BO218

6. Detach the clip retaining the air No. 1 duct subassembly. Remove the duct.
7. Remove the bolt connecting the instrument panel to the brace.



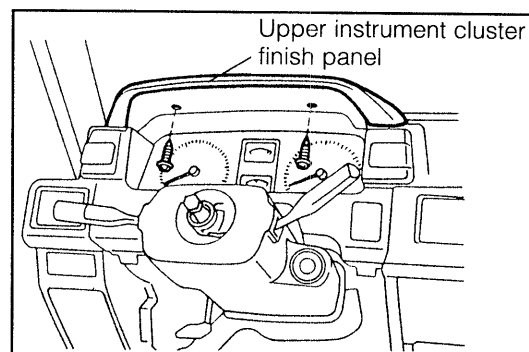
WRU90-BO219

8. Disconnect the connector of the instrument panel wire.



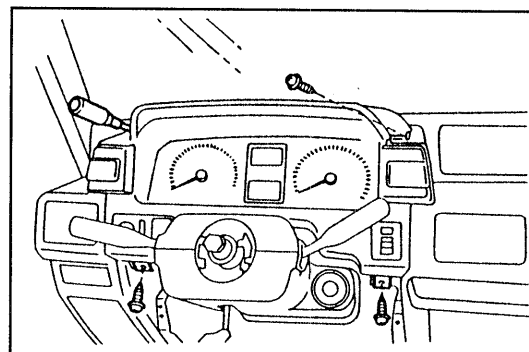
WRU90-BO220

9. Remove the upper instrument cluster finish panel by removing the two screws.



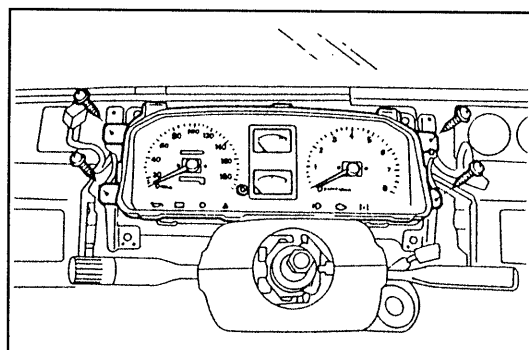
WRU90-BO221

10. Removal of instrument cluster finish panel subassembly
 - (1) Remove the instrument cluster finish panel subassembly by removing the four screws.
 - (2) Disconnect the connectors for the rear window defogger switch, hazard warning signal switch and rear wiper switch.



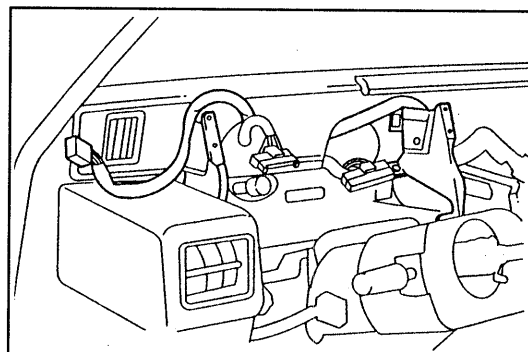
WRU90-BO222

11. Removal of combination meter assembly
 - (1) Remove the four attaching screws of the combination meter assembly.
 - (2) Pull out the combination meter assembly toward your side. Disconnect the speedometer cable and the two couplers of the wire harness. Remove the combination meter assembly.



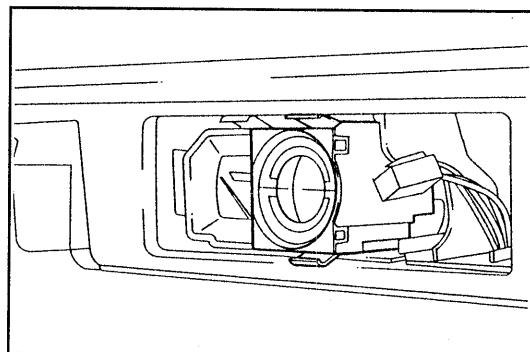
WRU90-BO223

12. Disconnect the clamp of the wire harness.



WRU90-BO224

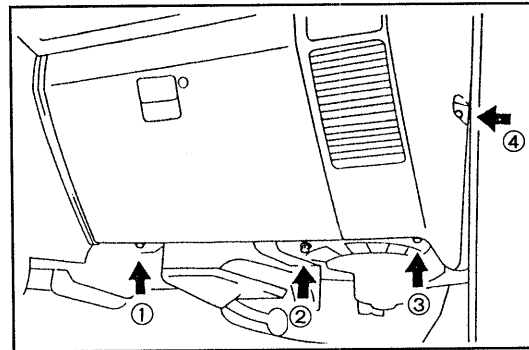
13. Removal of triple meter
 - (1) Remove the upper instrument panel finish by means of a bamboo spatula wrapped with a cloth.
 - (2) Pull out the voltmeter, clinometer and clock toward your side, while pushing the upper and lower claws by means of a spatula or the like.
 - (3) Disconnect the connectors.



WRU9-BO225

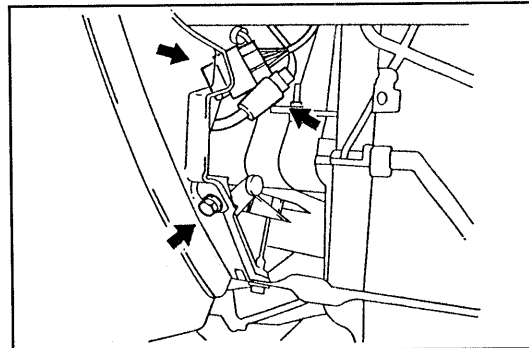
BODY

14. Remove the glove compartment door subassembly (screws ① and ②).
15. Remove the screws ③ and ④.
(It is not necessary to remove the instrument panel reinforcement.)



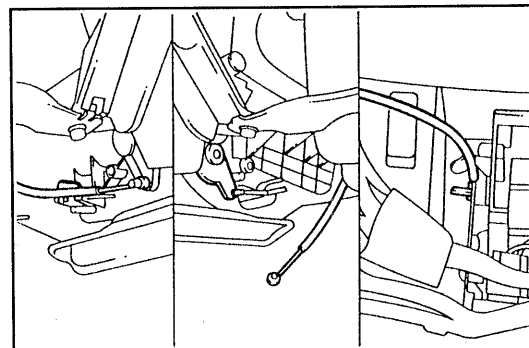
WRU90-BO226

16. Disconnect the connectors of the wire harnesses of the heater control switch (and the air conditioner switch).
17. Remove the attaching screw of the instrument panel and brace.



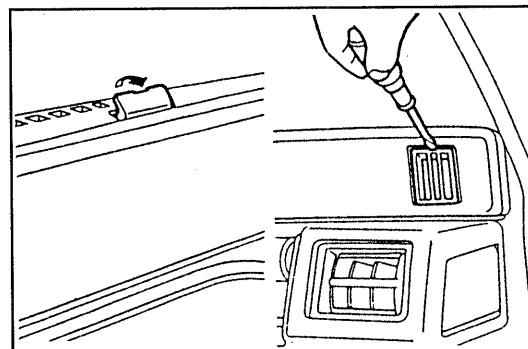
WRU90-BO227

18. Disconnect the heater control cable.



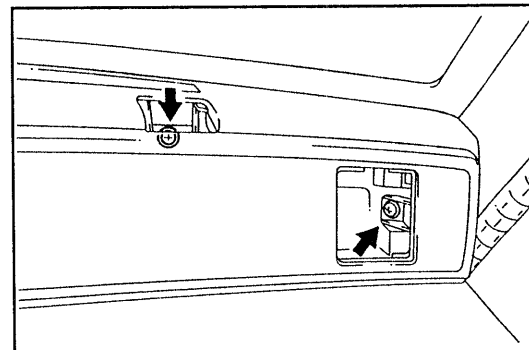
WRU90-BO228

19. Remove the defroster nozzles (at the left and right sides).
20. Remove the instrument panel hole covers (at the right and left sides).



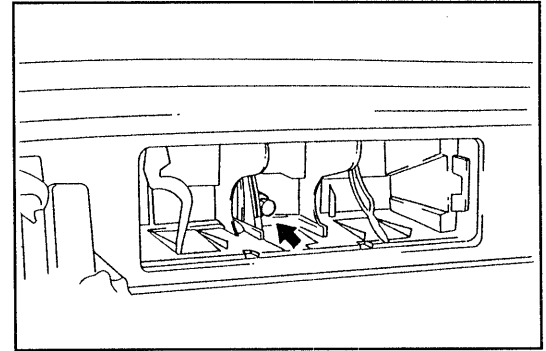
WRU90-BO229

21. Remove the attaching screws of the instrument panel (at the right and left sides).



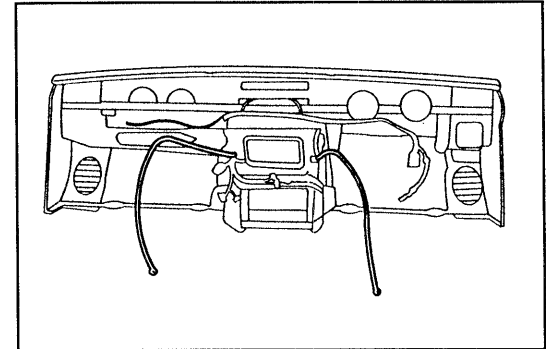
WRU90-BO230

22. Remove the attaching screws of the instrument panel (center).



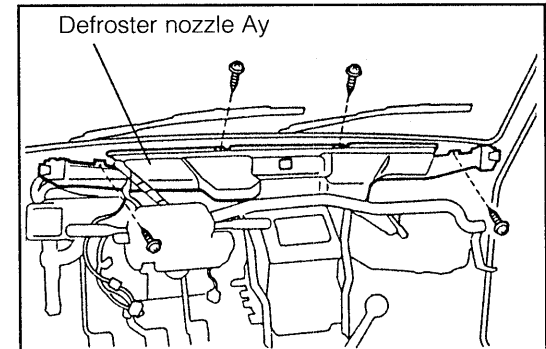
WRU90-BO231

23. Remove the instrument panel from the body.



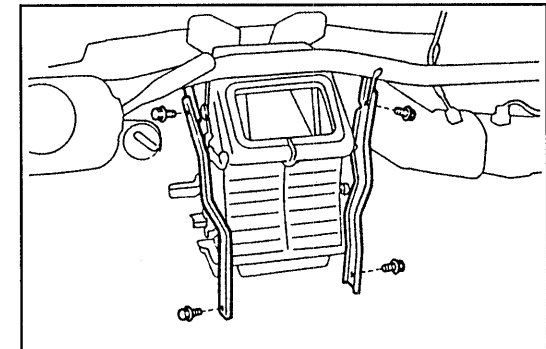
WRU90-BO232

24. Remove the defroster nozzle assembly.



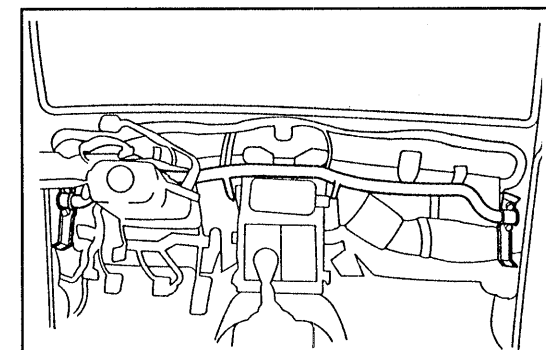
WRU90-BO233

25. Remove the instrument panel panel brace subassembly.
 26. Remove the following parts.
 (1) Bracket of key reminder buzzer, heater relay and horn relay
 (2) Sub-fuse box



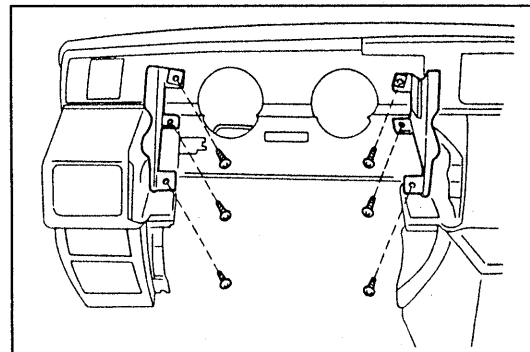
WRU90-BO234

27. Remove the steering column from the pillar-to-pillar member subassembly.
 28. Remove the pillar-to-pillar member subassembly from the pillar.



WRU90-BO235

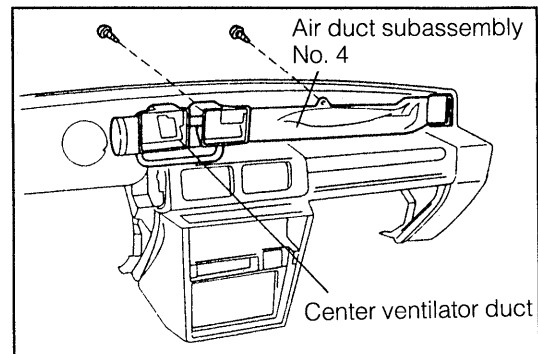
29. Remove the meter hood set bracket (right and left side) by removing the six screws.



WRU90-BO236

30. Remove the air duct subassembly No. 4 by removing the screw.

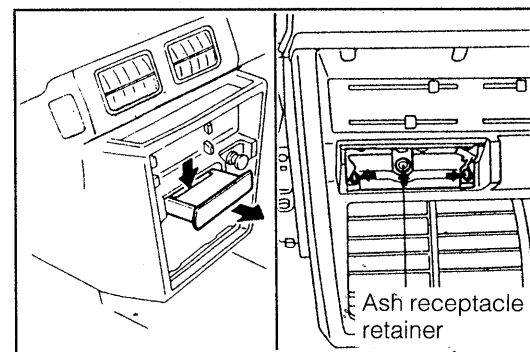
31. Remove the center ventilator duct by removing the screw.



WRU90-BO237

32. Removal of ash receptacle box and ash receptacle retainer

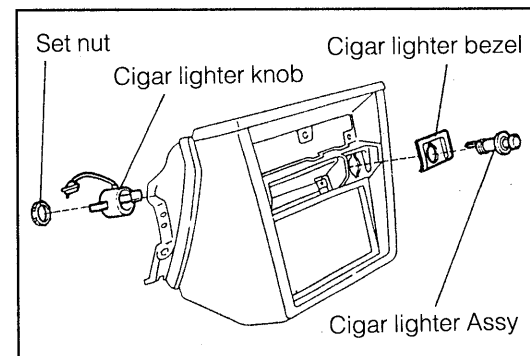
- (1) Pull out the ash receptacle box.
- (2) Remove the ash receptacle retainer by removing the three screws, Disconnect the optical cord.



WRU90-BO238

33. Removal of cigar lighter

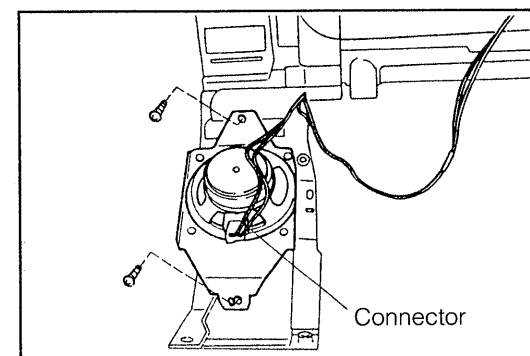
- (1) Disconnect the connectors.
- (2) Remove the set nut.
- (3) Remove the cigar lighter knob.
- (4) Remove the cigar lighter assembly.
- (5) Remove the cigar lighter bezel.



WRU90-BO239

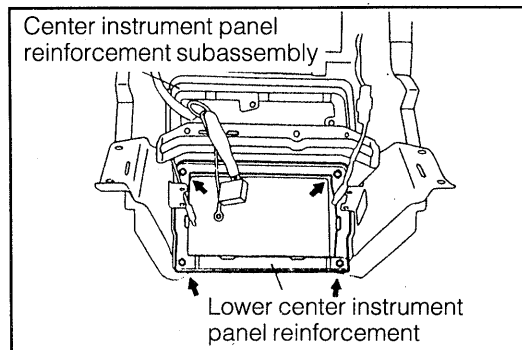
34. Removal of speaker (right and left side)

- (1) Disconnect the connectors.
- (2) Remove the speaker by removing screws.



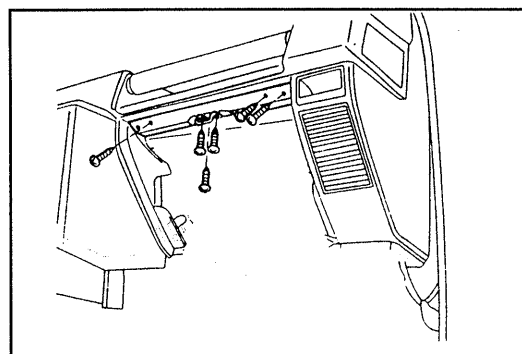
WRU90-BO240

35. Remove the center instrument panel reinforcement subassembly and lower center instrument reinforcement by removing the four bolts.



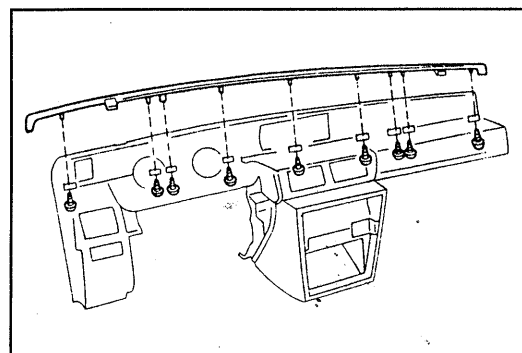
WRU90-BO241

36. Removing the glove compartment door lock striker by removing the two screws.
37. Removing the glove compartment door lock retainer subassembly by removing the five screws.



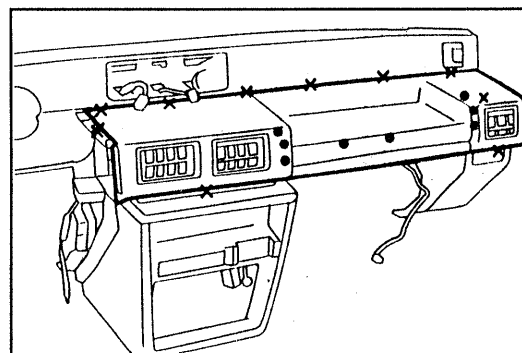
WRU90-BO242

38. Remove the defroster nozzle opening cover by removing the nine screws.



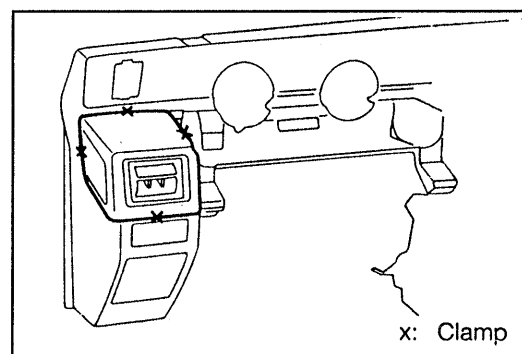
WRU90-BO243

39. Remove the instrument panel safety pad subassembly by removing the eight bolts and ten clamps.



WRU90-BO244

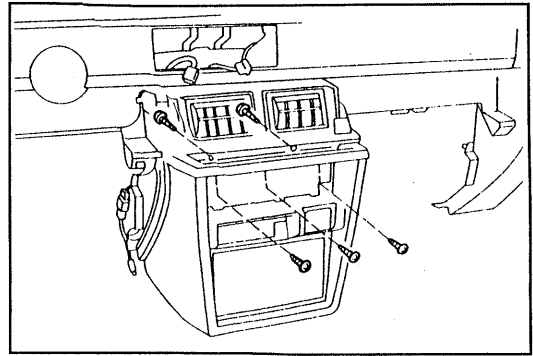
40. Remove the side instrument panel safety pad subassembly by removing the four clamps.



WRU90-BO245

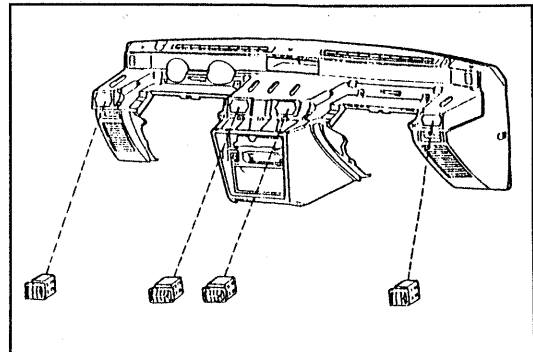
BODY

41. Remove the center instrument panel tray by removing the five screws.



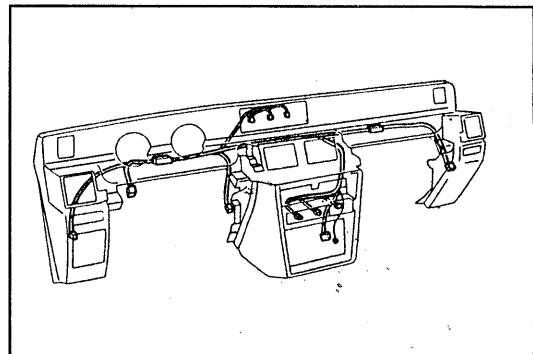
WRU90-BO246

42. Remove the side and center instrument panel register assy.



WRU90-BO247

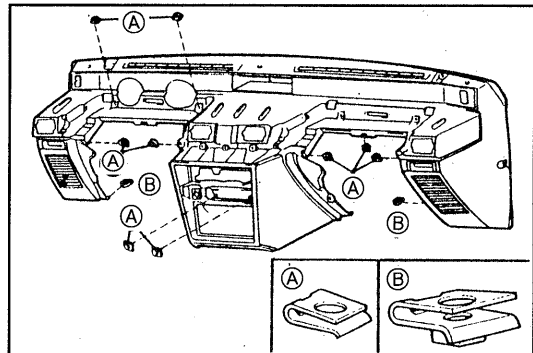
43. Remove the instrument panel wire from instrument panel.



WRU90-BO248

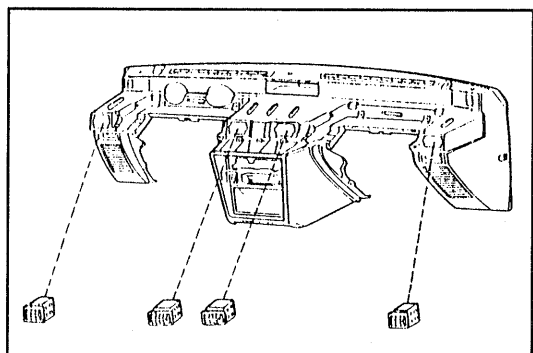
INSTALLATION

1. Install the snapping nuts.
2. Install the instrument panel wire.



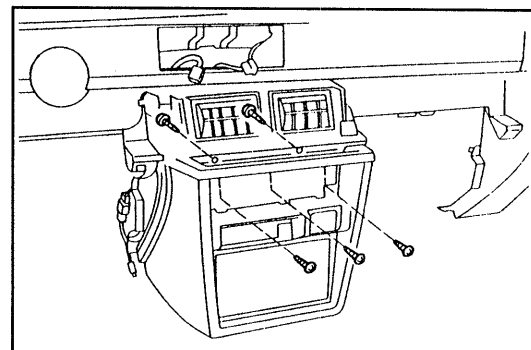
WRU90-BO249

3. Install the side and center instrument panel register assy.



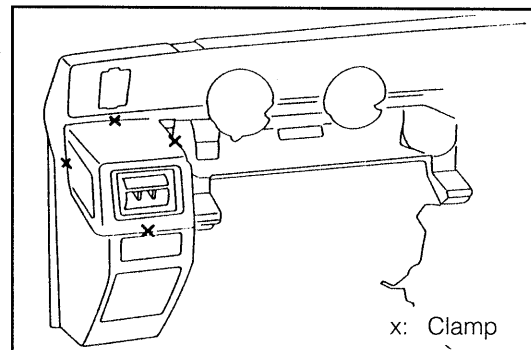
WRU90-BO250

4. Install the center instrument panel tray with the five screws.



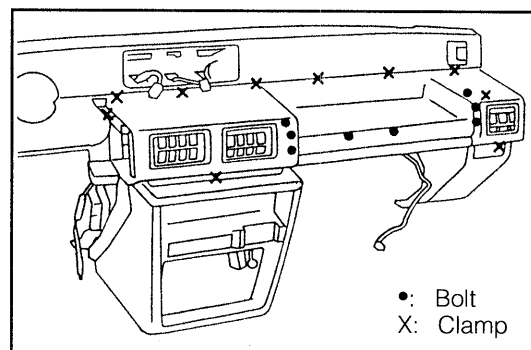
WRU90-BO251

5. Install the side instrument panel safety pad subassembly with the four clamps.



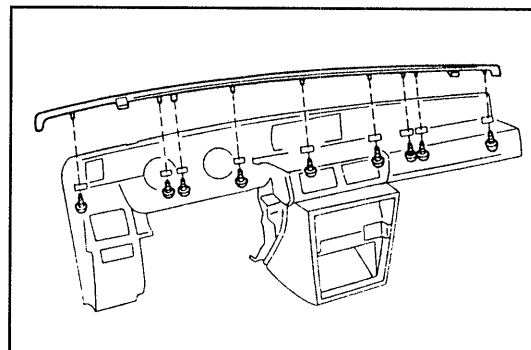
WRU90-BO252

6. Install the instrument panel safety pad subassembly with eight bolts and ten clamps.



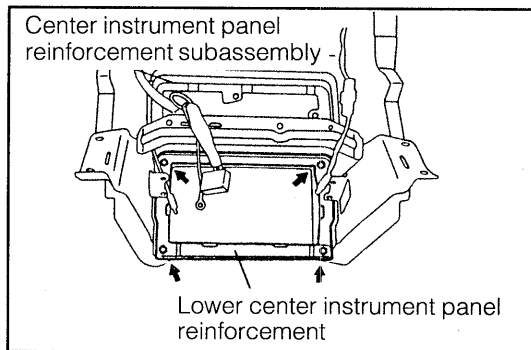
WRU90-BO253

7. Install the defroster nozzle opening cover with the nine screws.



WRU90-BO254

8. Install the center instrument panel reinforcement subassembly and lower center instrument reinforcement with the four bolts.

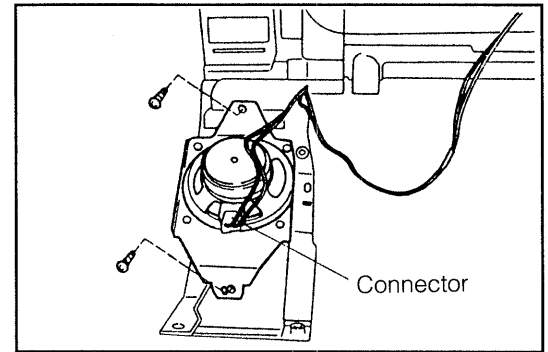


WRU90-BO255

BODY

9. Installation of speaker (right and left side)

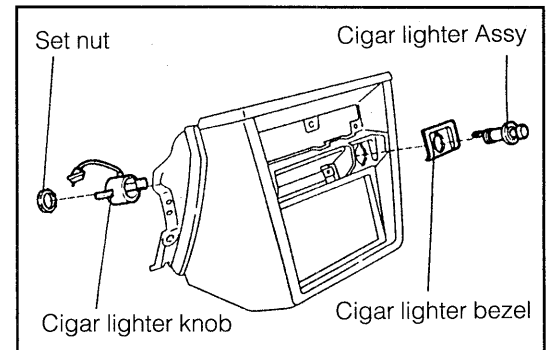
- (1) Install the speaker with the screws.
- (2) Connect the connectors.



WRU90-BO256

10. Installation of cigar lighter

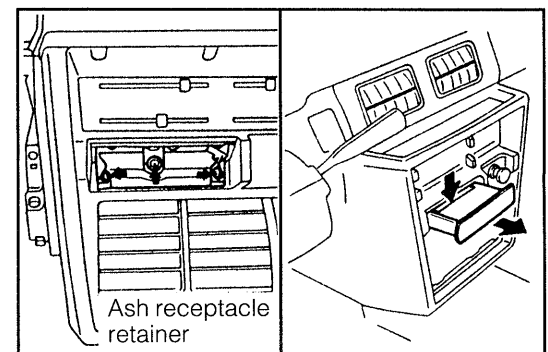
- (1) Install the cigar lighter bezel, cigar lighter Assy, cigar lighter knobs and set nut.
- (2) Connect the connectors.



WRU90-BO257

11. Installation of ash receptacle box and ash receptacle retainer.

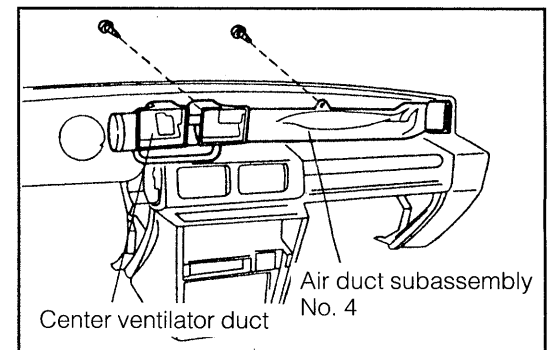
- (1) Install the optical cord to the ash receptacle retainer.
- (2) Install the ash receptacle retainer with the three screws.
- (3) Install the ash receptacle box.



WRU90-BO258

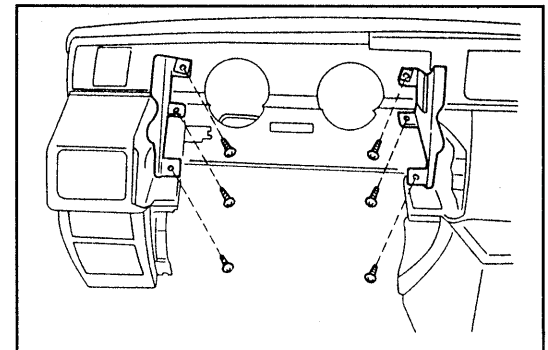
12. Install the center ventilator duct with the screw.

13. Install the air duct subassembly No. 4 with the screw.



WRU90-BO259

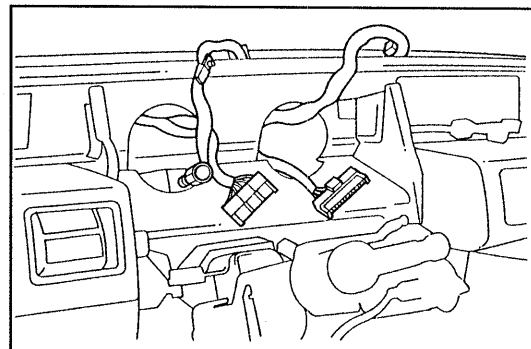
14. Install the meter hood set bracket (right and left side) with the six bolts.



WRU90-BO260

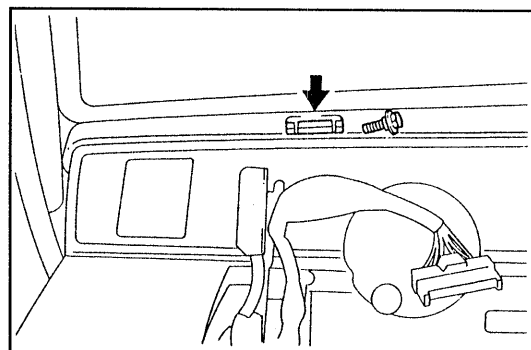
INSTALLATION OF INSTRUMENT PANEL

1. Put the instrument panel in place.
2. Draw out the wire harnesses and speedometer cable from the hole for the combination meter.



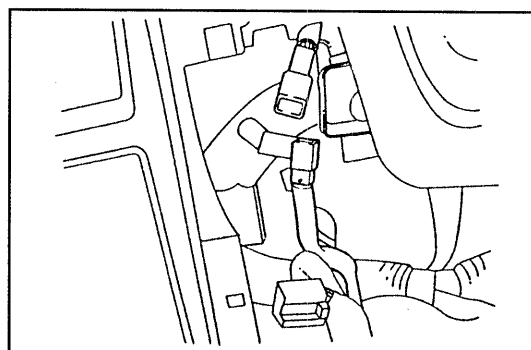
WRU90-BO261

3. Temporarily install the instrument panel with two bolts at upper right and left points.




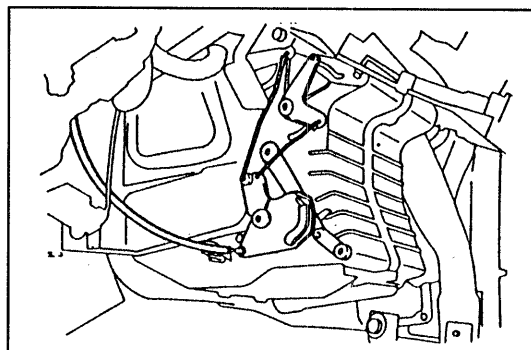
WRU90-BO262

4. Connect the coupler of the wire harness.
 - (1) Wire, instrument panel
 - (2) Wire, heater control switch
 - (3) Wire, air conditioner switch
5. Clamp of wire harness
 - (1) Wire cowl in left figure (for instrument panel wire)
 - (2) Wire harnesses for hazard of combination meter section and rear wiper switch




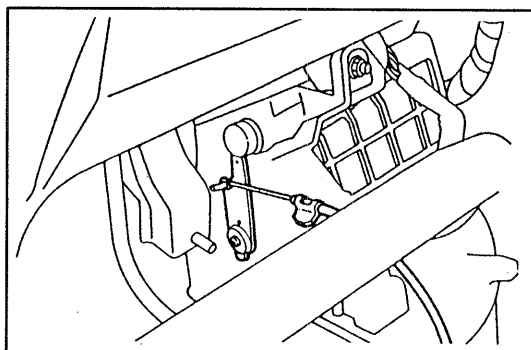
WRU90-BO263

6. Connect the wire of the heater control unit to the lever of the heater/blower unit.
 - (1) Install the mode switching cable, as follows:
 - 1) Set the mode switching lever of the heater control to the  (DEF) side; the mode switching lever of the heater unit to the DEF side.
 - 2) Connect the mode switching cable. Insert it into the clamp securely.




WRU90-BO264

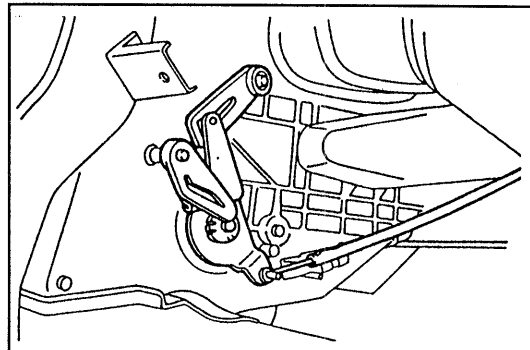
- (2) Install the temperature regulating cable, as follows:
 - 1) Set the temperature regulating lever of the heater control to the  (COOL) side; the temperature regulating lever of the heater unit to the COOL side.
 - 2) Connect the temperature regulating cable. Insert it into the clamp securely.



WRU90-BO265

(3) Install the inside air/outside air switching cable, as follows:

- 1) Set the inside air/outside air switching lever of the heater control to the  (RECIRC) side; the inside air/outside air switching lever of the blower assembly to the RECIRC side.
- 2) Connect the inside air/outside air switching cable. Insert it to the clamp securely.

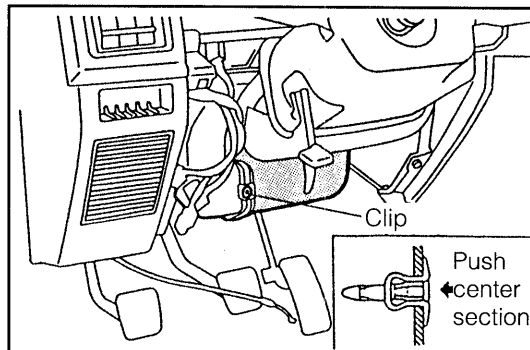


WRU90-BO266

7. Install the air No. 1 duct subassembly. Install the clip.

NOTE:

Before the instrument panel is tightened securely, make sure that the wire harnesses, clamps and connectors are installed without applying undue force.



WRU90-BO267

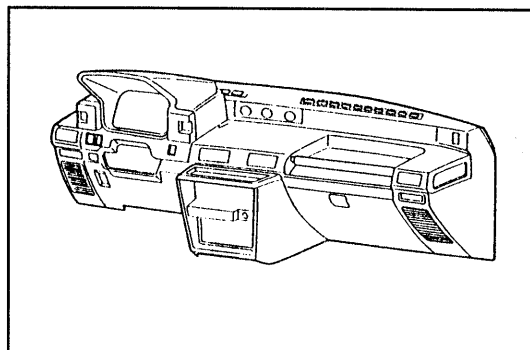
8. Tighten all screws which have been removed during the removal operation.

NOTE:

Refer to the sequence numbers 4, 5, 17, 21 and 22.

9. Install the defroster nozzle assembly.

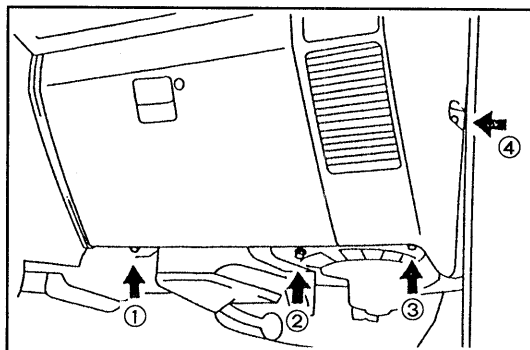
10. Install the instrument panel hole cover.



WRU90-BO268

11. Install the glove compartment door subassembly. (Tighten the screws ① and ②.)

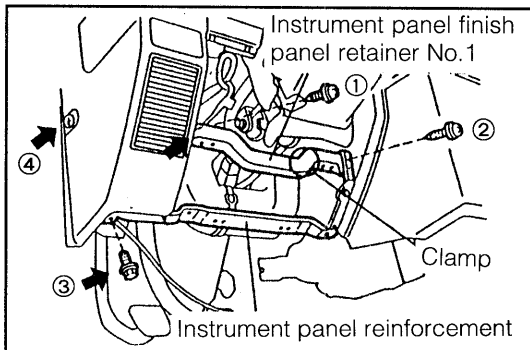
12. Tighten the screws ③ and ④.



WRU90-BO269

13. Install the instrument panel finish panel retainer No. 1. (Tighten the screws ① and ②.)

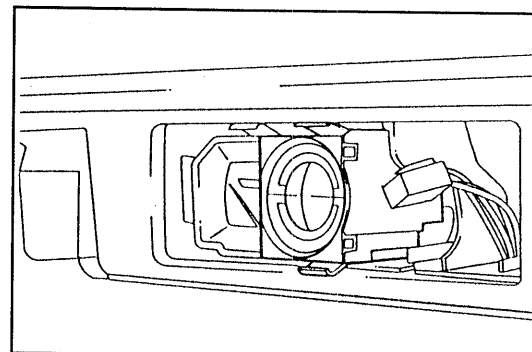
14. Tighten the screws ③ and ④.



WRU90-BO270

15. Install the triple meter.

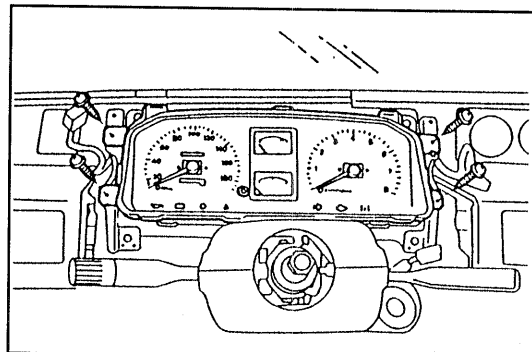
- (1) Connect each connector to the respective meters. Press the meter into the groove by hands.
- (2) Press the upper instrument panel finish into position by hands.



WRU90-BO271

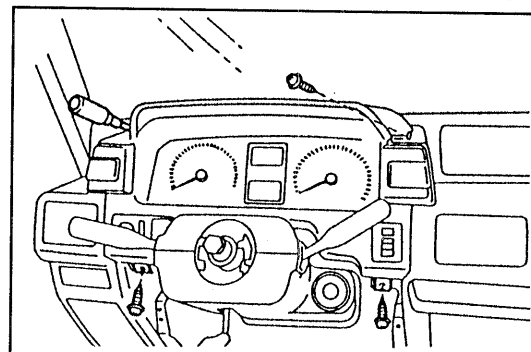
16. Installation of combination meter

- (1) Connect the connector of the speedometer cable and the couplers of the wire harnesses.
- (2) Tighten the attaching screws.



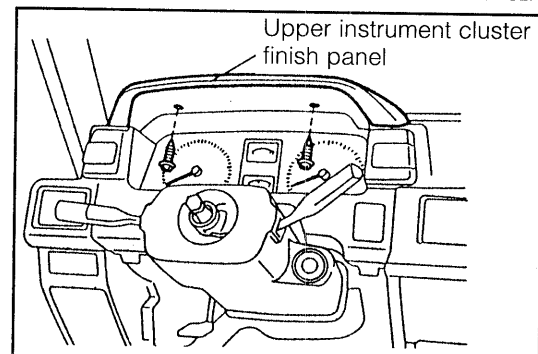
WRU90-BO272

17. Install the instrument cluster finish panel subassembly with the attaching screws.



WRU90-BO273

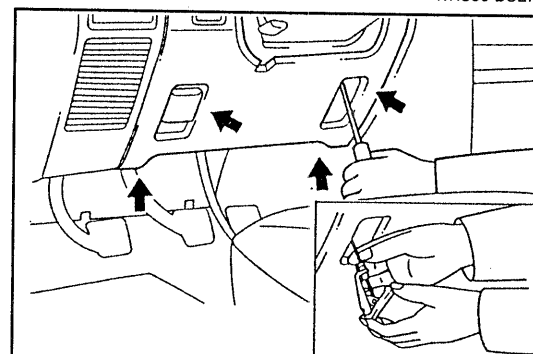
18. Install the upper instrument cluster finish panel with the attaching screws.



WRU90-BO274

19. Installation of lower instrument panel finish panel.

- (1) Connect the connector for the rear heater switch and rheostat.
- (2) Tighten the attaching screws of the lower instrument panel finish panel.
- (3) Tighten the attaching screws of the rheostat.
- (4) Connect the wire for the hood lock control lever and tighten the attaching screws.



WRU90-BO275

BODY

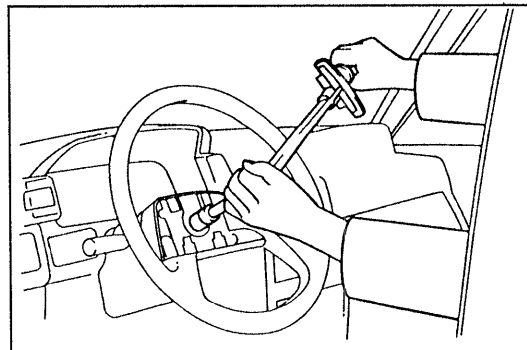
20. Install the steering wheel.

Tightening Torque:

3.0 - 5.0 kg-m (21.7 - 36.2 ft-lb, 29.4 - 49.0 N·m)

21. Connect the horn wire and install the horn pad.

22. Tighten the screw of the horn pad.



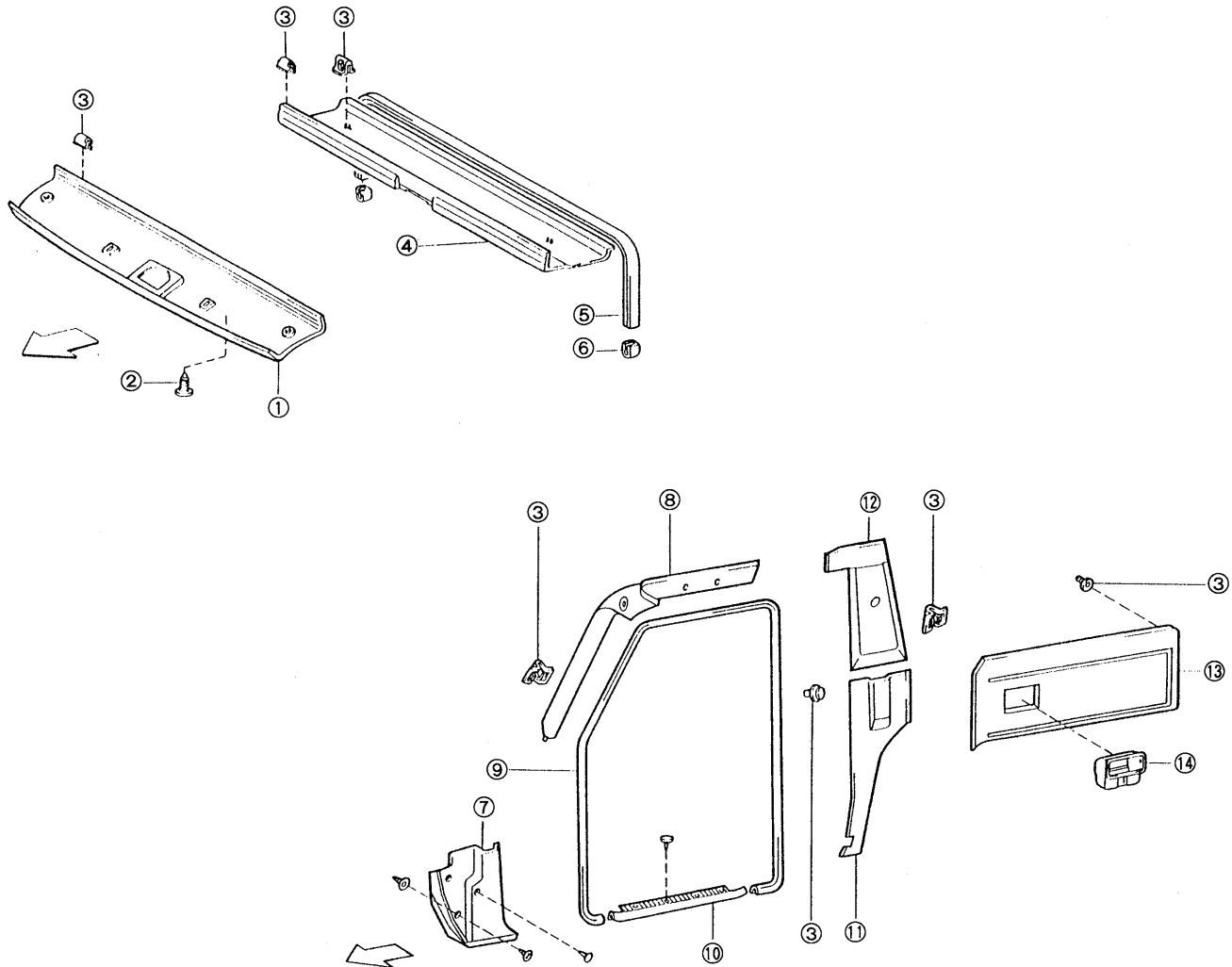
WRU92-BO407

OPERATION AFTER INSTALLATION

1. Connect the battery.
2. Ensure that each switch of the instrument panel functions properly.
3. Ensure that all of the electrical system functions properly.

WRU90-BO277

TRIMS **COMPONENTS**



- ① Roof headlining trim No. 1
- ② Clip
- ③ Clip
- ④ Center roll over garnish
- ⑤ Rear roll over edge protector
- ⑥ Protector roll over edge cover
- ⑦ Cowl side trim board

- ⑧ Front pillar inner garnish
- ⑨ Front door opening trim
- ⑩ Front door scuff plate
- ⑪ Center pillar garnish
- ⑫ Center pillar upper garnish
- ⑬ Quarter inside trim board
- ⑭ Quarter vent louver S/A

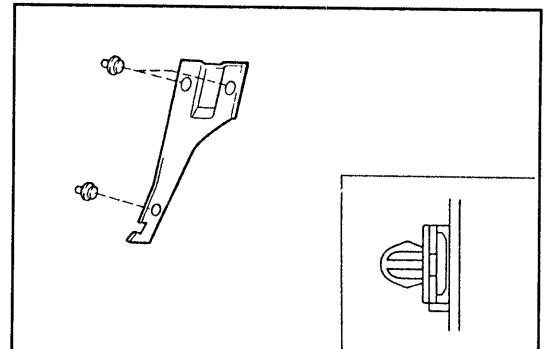
CENTER PILLAR GARNISH

REMOVAL

1. Disengage the clips, using a screw driver.
2. Remove the center pillar garnish.

INSTALLATION

1. Align the clips in place. Install the center pillar garnish by lightly tapping around the clips by hand.



WRU90-BO278

WRU90-BO279

BODY

CENTER PILLAR UPPER GARNISH

REMOVAL

1. Remove the attaching bolt of the front seat outer belt shoulder anchor.
2. Remove the assist grip.
3. Disengage the clip, using a screwdriver.
4. Remove the center pillar garnish.

INSTALLATION

1. Align the clips in place. Install the center pillar garnish by lightly tapping around the clips by hand.
2. Install the assist grip.
3. Install the attaching bolt of the front seat outer belt shoulder anchor.

Tightening Torque:

2.9 - 5.4 kg-m (21.0 - 39.1 ft-lb, 28.4 - 53.0 N·m)

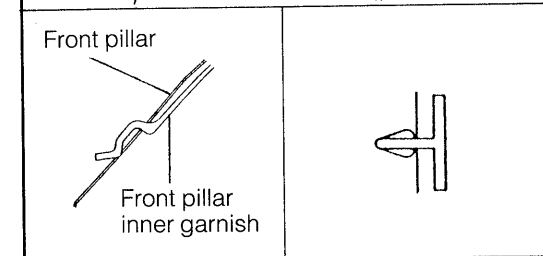
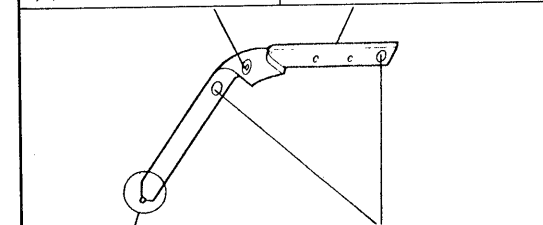
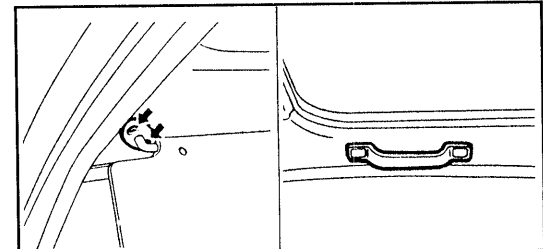
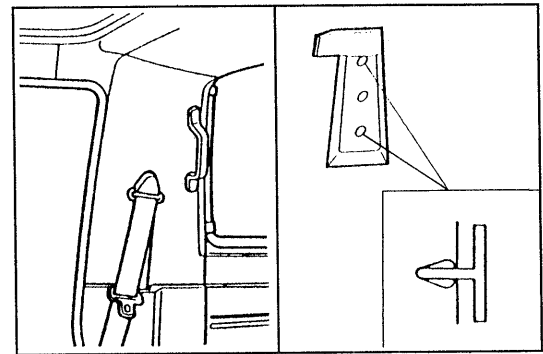
FRONT PILLAR INNER GARNISH

REMOVAL

1. Remove the sun visor assembly.
2. Remove the assist grip or two clips.
3. Disengage the clips, using a screwdriver.
4. Remove the front pillar inner garnish.

INSTALLATION

1. Hang the hanger located at the lower part of the front pillar inner garnish to the body.
2. Align the two clips in place. Install the front pillar garnish by tapping it lightly by your hand.
3. Install the assist grip or two clips.
4. Install the sun visor assembly.



WRU90-BO281

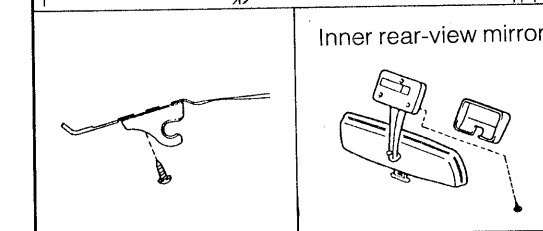
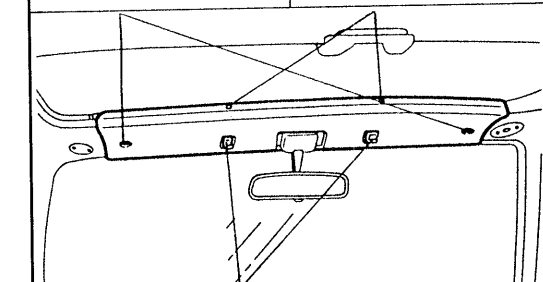
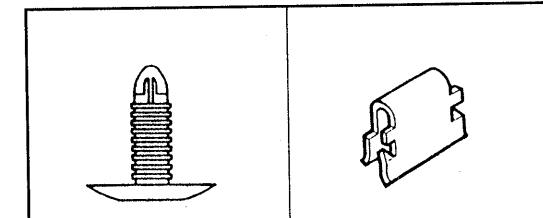
ROOF HEADLINING TRIM No. 1

REMOVAL

1. Remove the inner rear-view mirror.
2. Remove the visor holders.
3. Disengage the clips, using a screwdriver.
4. Remove the roof headlining trim No. 1.

INSTALLATION

1. Install the roof headlining trim No. 1 with the four clips.
2. Install the visor holders with the screws.
3. Install the inner rear-view mirror.



WRU90-BO282

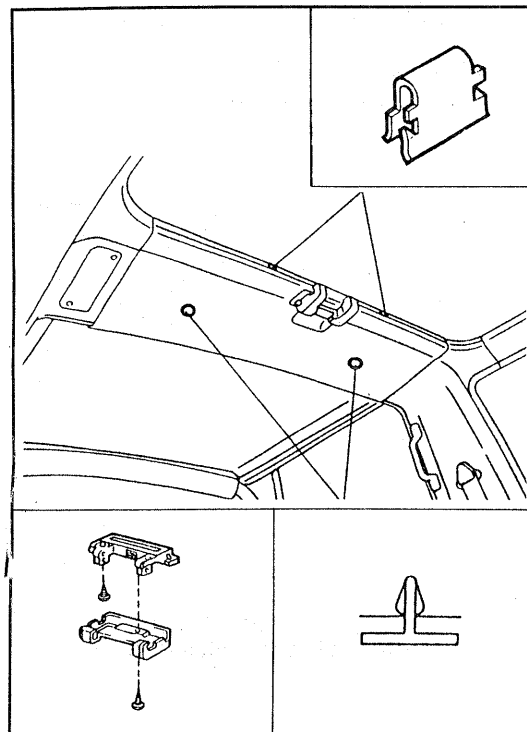
ROLL OVER CENTER GARNISH

REMOVAL

1. Remove the removable roof lock garnish and removable roof lock base assembly.
2. Disengage the clips.
3. Remove the roll over center garnish

INSTALLATION

1. Install the roll over center garnish with the four clips.
2. Install the removable roof lock garnish and removable roof lock base assembly.



WRU90-BO283

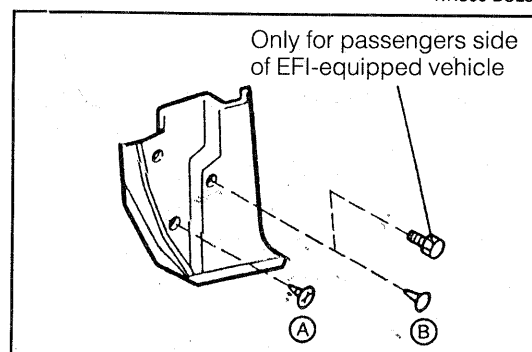
COWL SIDE TRIM BOARD

REMOVAL

1. Disengage the clips (A), using a screwdriver.
2. Disengage the clip (B) or remove the bolt.
3. Remove the cowl side trim board.

INSTALLATION

1. Install the cowl side trim board with the clip (A) and clip (B) of bolt.



WRU90-BO284

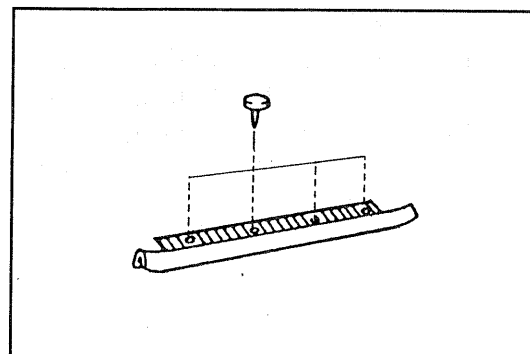
FRONT DOOR SCUFF PLATE

REMOVAL

1. Disengage the clips, using a screwdriver.
2. Remove the front door scuff plate.

INSTALLATION

1. Install the front door scuff plate with the clips.



WRU90-BO285

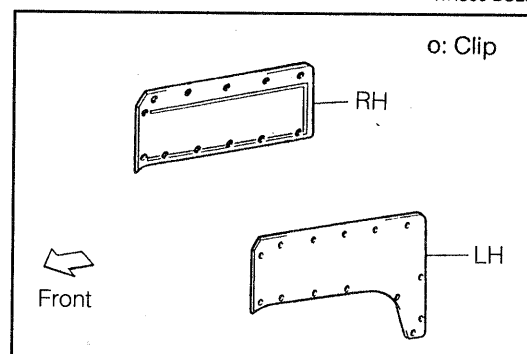
QUARTER INSIDE TRIM BOARD

REMOVAL

1. Disengage the clips, using a screwdriver.
2. Remove the quarter inside trim board.

INSTALLATION

1. Align the clip in place. Install the quarter inside trim board by lightly tapping around the clips by hand.

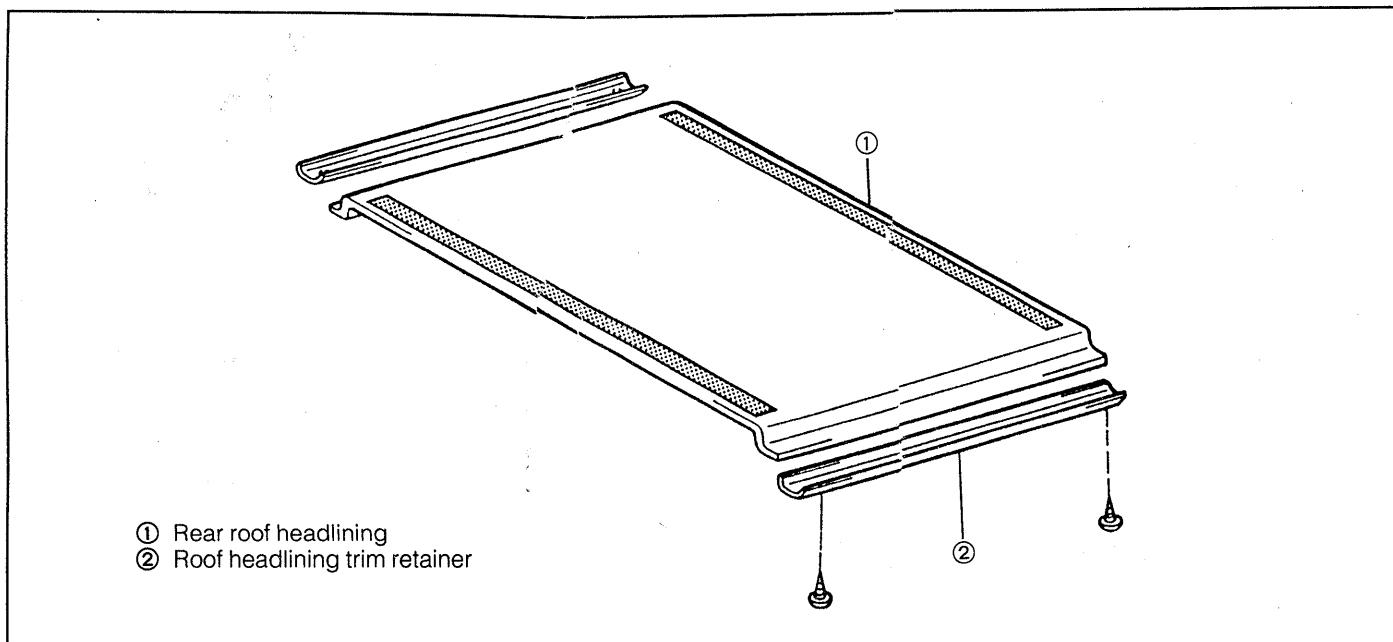


WRU90-BO286

BODY

REAR ROOF HEADLINING

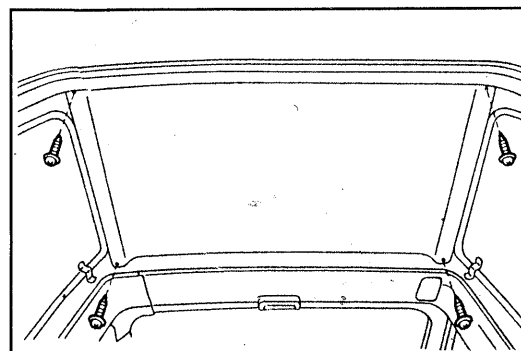
COMPONENTS



WRU90-BO287

REMOVAL

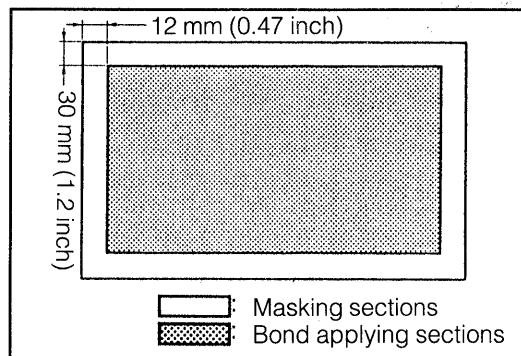
1. Remove the rear roll bar.
2. Remove the roof headlining trim retainer by removing the screws.
3. Remove the roof headlining.



WRU90-BO288

INSTALLATION

1. Mask the periphery of the rear roof headlining. Apply the bond. (Sunstar-Made Penguin cement #386)
2. Affix the rear roof headlining.
3. Install the rear headlining trim retainer by the screws.
4. Install the rear roll bar.



WRU90-BO289

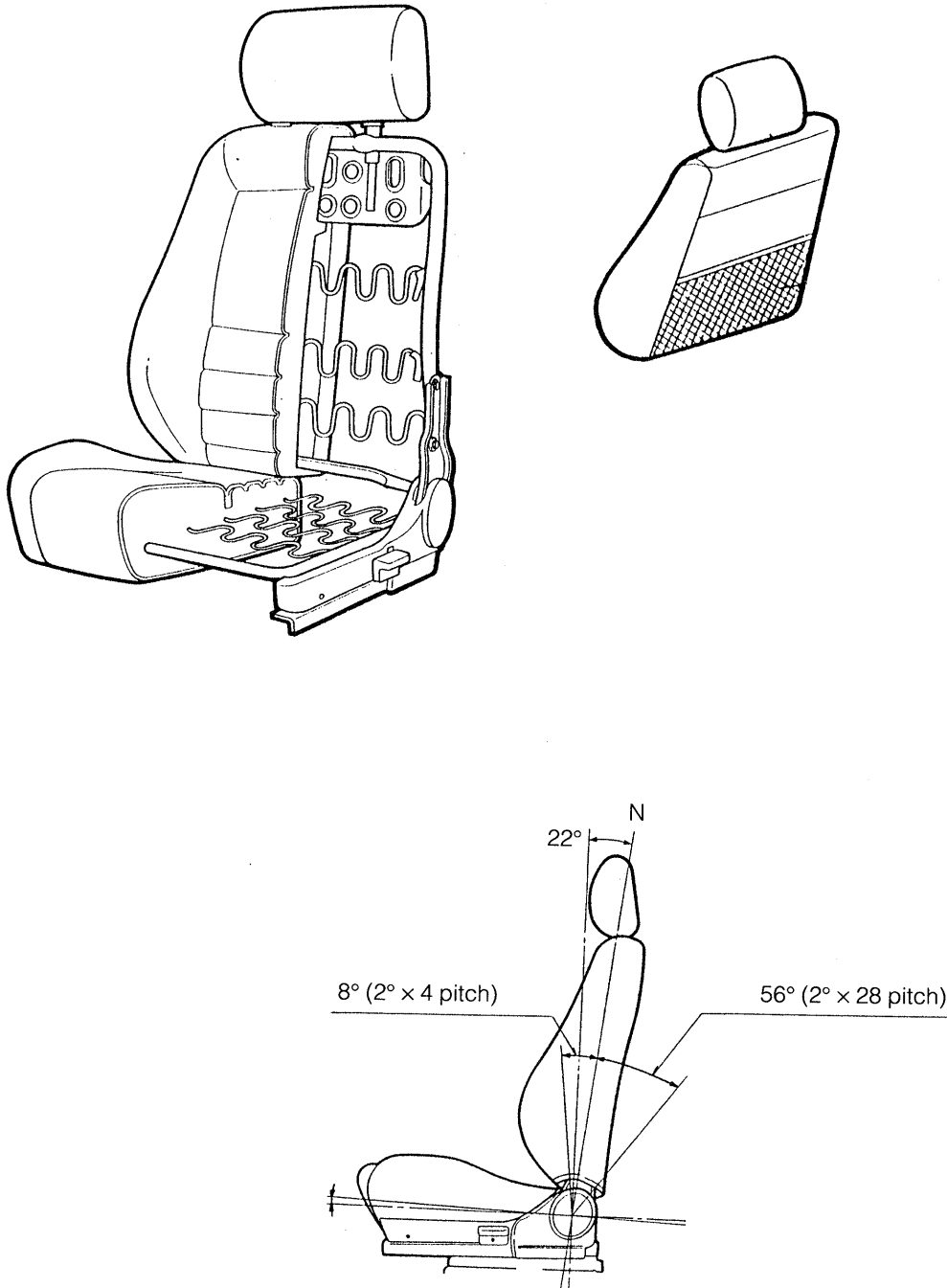
FRONT SEAT

For enhanced rigidity and reduced weight, the seat frame of the front seat adopts a pipe frame and an "S" spring structure.

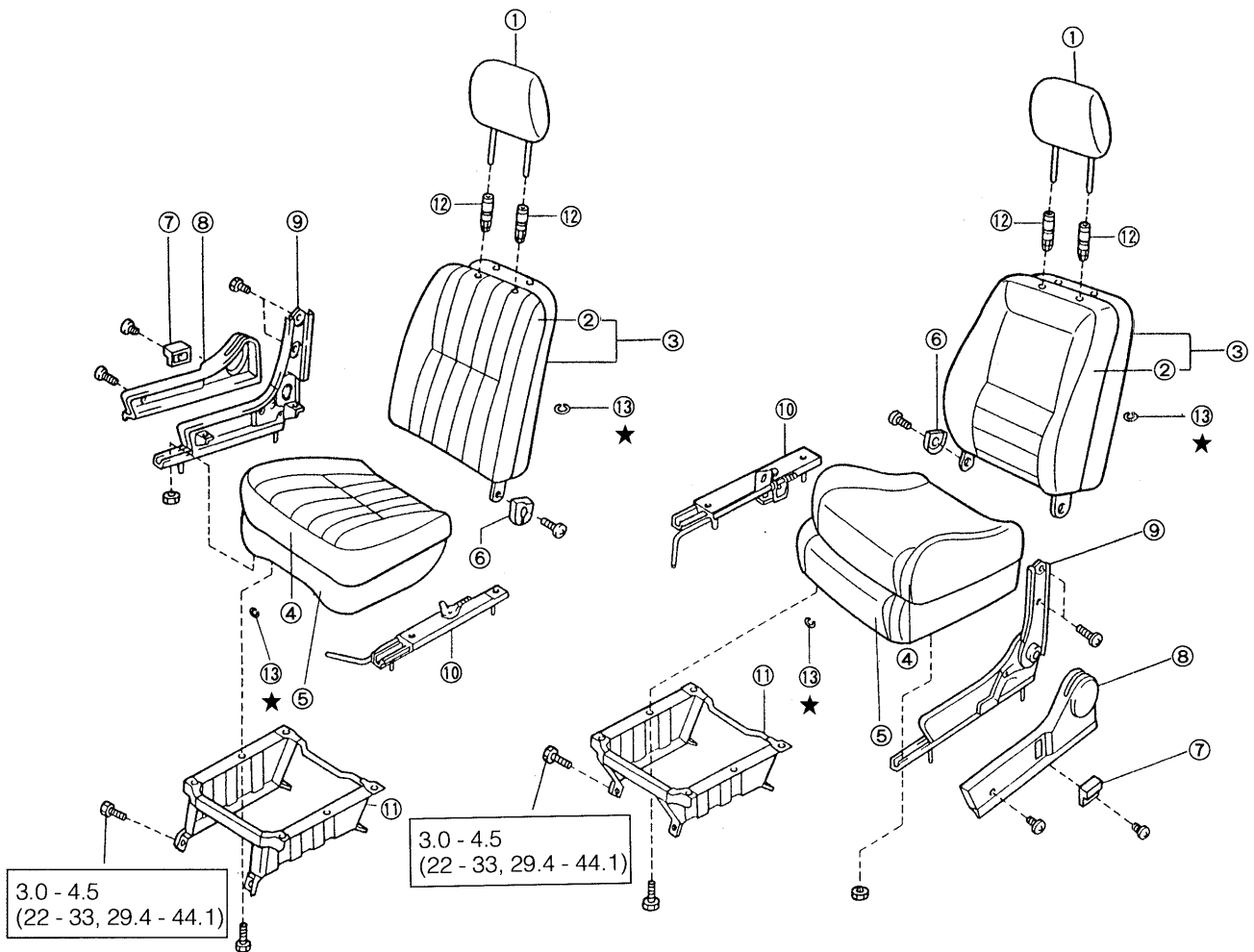
The front seat uses urethane having an adequate hardness as the seat pad material.

The front seat is so constructed that the seat sliding pitch is 15 mm (0.59 inch), whereas the reclining (pitch) angle can be adjusted in increments of 2 degrees. Consequently, it is possible to make fine adjustments in accordance with the body size of the driver or passenger.

The headrest has been so designed that its height can be adjusted in accordance with the driver or passenger.



COMPONENTS



T : Tightening torque
Unit : kg-m (ft-lb, N-m)
★ : Non-reusable parts

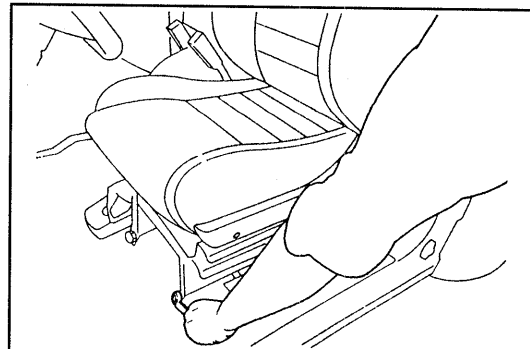
- ① Front seat headrest
- ② Front seat back cover
- ③ Front seat back Ay
- ④ Front seat cushion cover
- ⑤ Front seat cushion Ay
- ⑥ Front seat hinge cover
- ⑦ Adjusting reclining release handle

- ⑧ Front seat cushion shield
- ⑨ Reclining seat adjuster Ay
- ⑩ Seat track
- ⑪ Front seat cushion leg Ay
- ⑫ Seat headrest support
- ⑬ Hook snap ring

REMOVAL**NOTE:**

The following disassembly and assembly procedures have been described primarily based on a model seat.

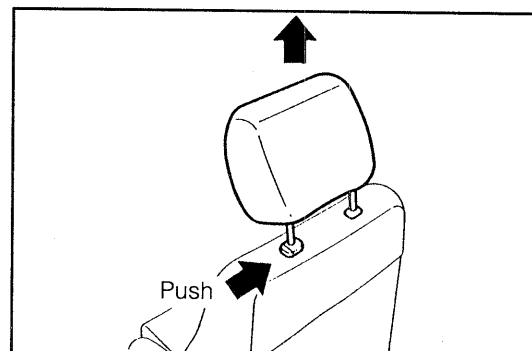
1. Remove the front seat from the vehicle by removing the four bolts.



WRU90-BO292

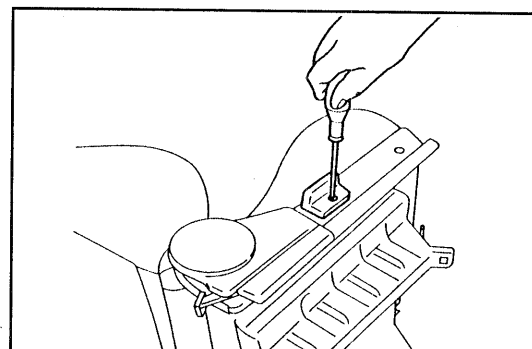
DISASSEMBLY

1. Remove the headrest with the stopper pushed toward "Unlock" direction.



WRU90-BO293

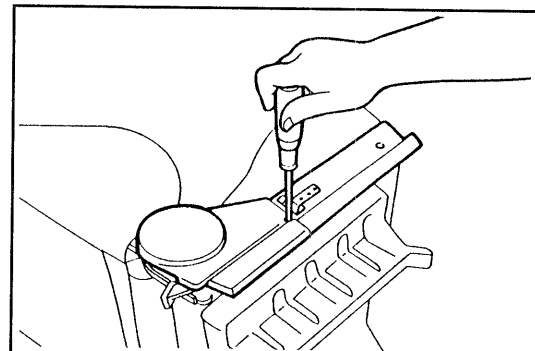
2. Remove the adjusting reclining release handle.



WRU90-BO294

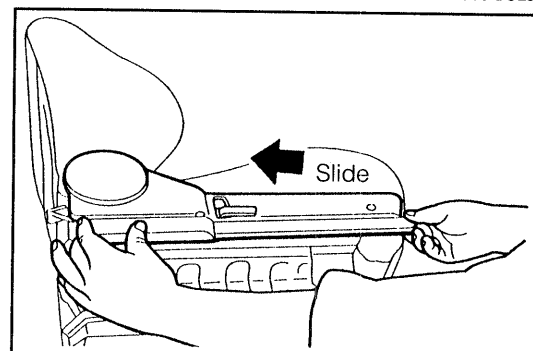
3. Remove the front seat cushion shield, following the procedure given below.

(1) Remove the three attaching screws.



WRU90-BO295

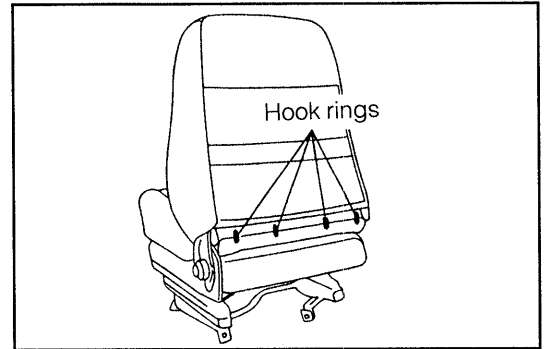
(2) Remove the front seat cushion shield by sliding it, as indicated in the right figure.



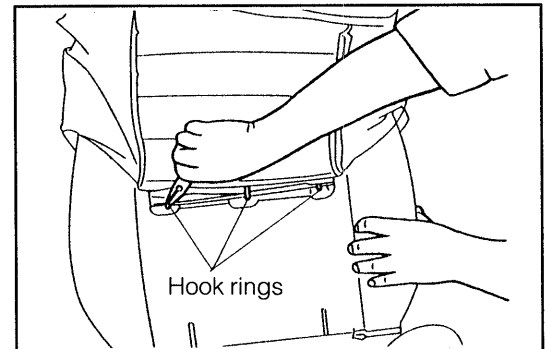
WRU90-BO296

BODY

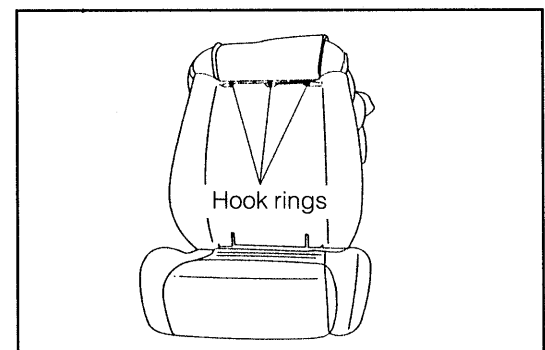
4. Detach the four hook rings of the front seatback cover, as indicated in the right figure.
5. Detach the three hook rings of the front seatback cover, as indicated in the right figure.
6. Detach the three hook rings of the front seatback cover, as indicated in the right figure.
7. Detach the three hook rings provided at the rear side of the front seatback cover, as indicated in the right figure.
8. Remove the seat headrest support.



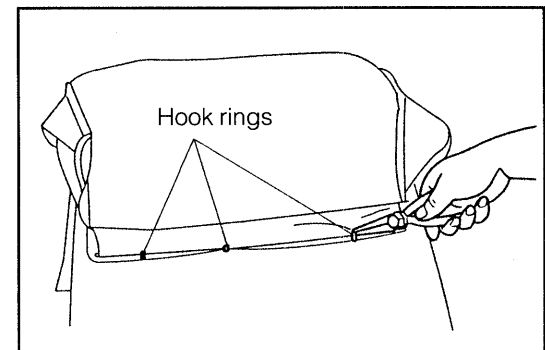
WRU90-BO297



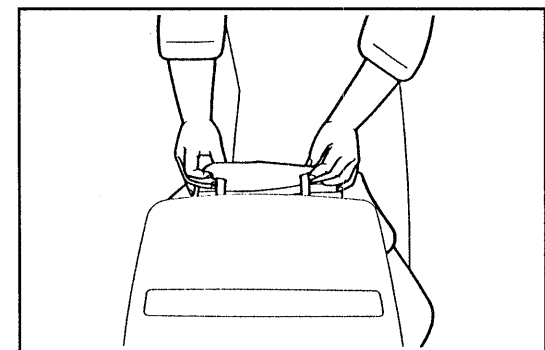
WRU90-BO298



WRU90-BO299

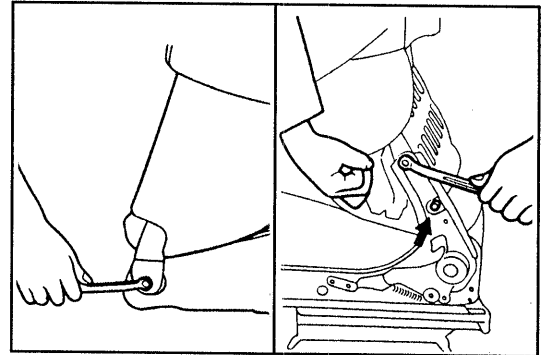


WRU90-BO300



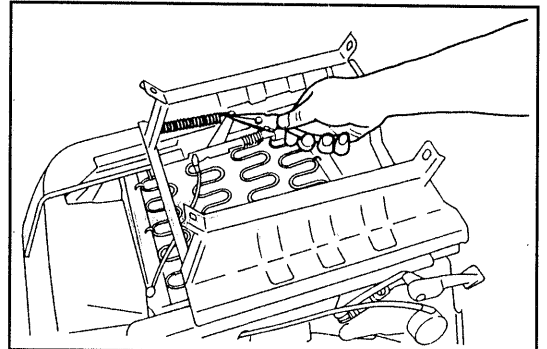
WRU90-BO301

9. Remove the front seatback assembly.
 - (1) Remove the seatback by removing the one small bolt and two bolts which are attaching the seatback.
 - (2) Remove the front seat hinge cover from the seatback.



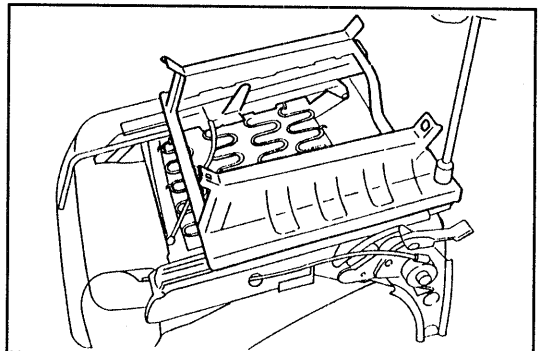
WRU90-BO302

10. Detach the return spring.



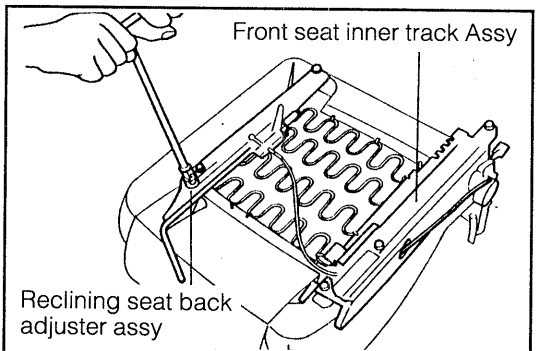
WRU90-BO303

11. Remove the front seat cushion leg assembly by removing the four bolts.



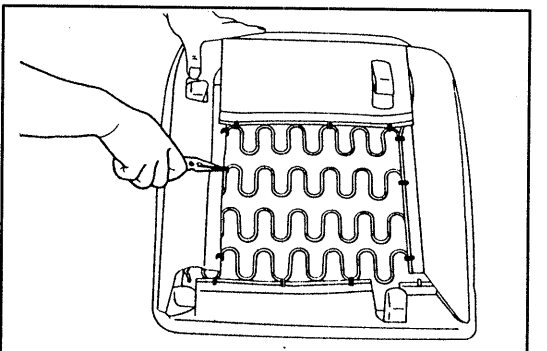
WRU90-BO304

12. Remove the reclining seat back adjuster assembly by removing the two bolts.
13. Remove the front seat inner track assembly by removing the two bolts.



WRU90-BO305

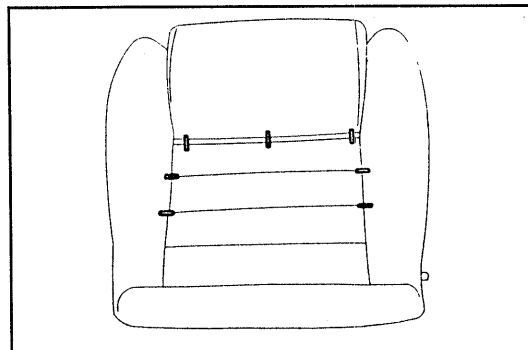
14. Detach the hook rings of the front seat cushion cover at the 13 points, as indicated in the right figure.



WRU90-BO306

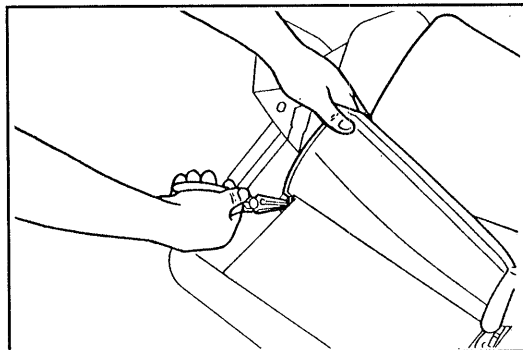
BODY

15. Detach the seven hook rings provided at the front side of the front seatback cover, as indicated in the right figure.



WRU90-BO307

16. Remove the front seat cushion cover from the front seat cushion assembly.



WRU90-BO308

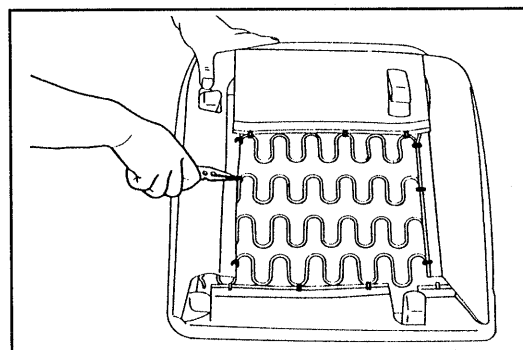
ASSEMBLY

1. Installation of front sea cushion cover

- (1) Install the new hook rings at the back side of the front seat cushion.
- (2) Install the new hook rings at the back side of the front seat cushion.

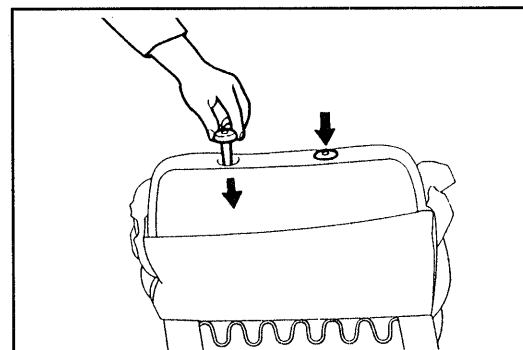
NOTE:

- Be very careful not to smear or scratch the seat cover during the assembly.
- When installing the hook rings, make sure that no wrinkle is formed on the front seat cushion cover wherever possible.



WRU90-BO309

2. Install the front seatback cover to the front seatback. Also, install the headrest support.



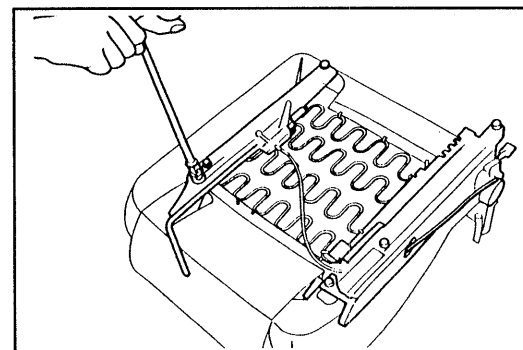
WRU90-BO310

3. Install the reclining seatback adjuster assembly by installing the two bolts.

Tightening Torque: 0.6 - 1.0 kg-m
(4.3 - 7.2 ft-lb, 5.9 - 9.8 N-m)

4. Install the front seat inner track assembly by installing the two bolts.

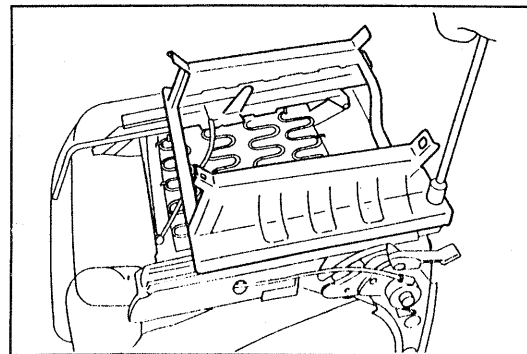
Tightening Torque: 0.6 - 1.0 kg-m
(4.3 - 7.2 ft-lb, 5.9 - 9.8 N-m)



WRU90-BO311

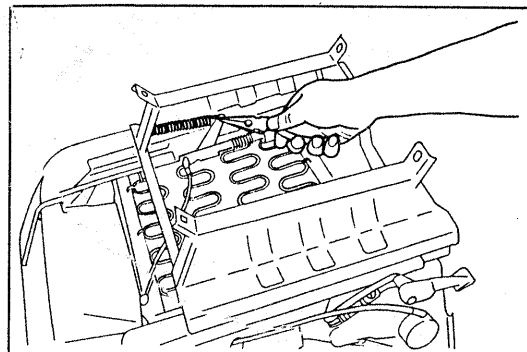
5. Install the front seat cushion leg assembly with the four bolts.

Tightening Torque: 0.9 - 1.5 kg-m
(6.5 - 10.8 ft-lb, 8.8 - 14.7 N·m)



WRU90-BO312

6. Install the return spring.



WRU90-BO313

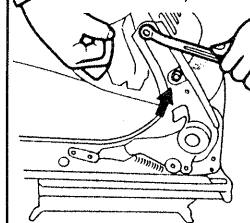
7. Installation of front seatback assembly

(1) Install the front seat hinge cover to the front seatback assembly. Then, install them to the seat cushion with the two bolts and one small bolt.

(2) Install new hook rings to the back side of the seatback.

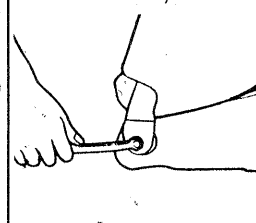
Tightening Torque:

1.7 - 3.1 kg-m
(12.3 - 22.1 ft-lb,
16.7 - 30.4 N·m)



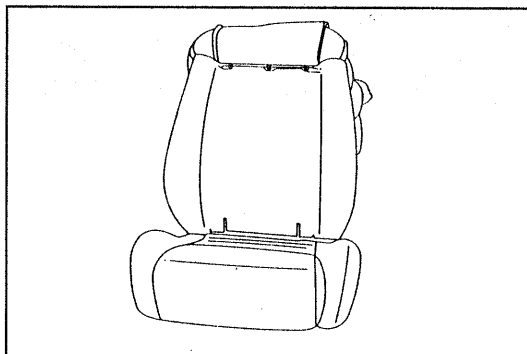
Tightening Torque:

0.6 - 1.0 kg-m
(4.3 - 7.2 ft-lb,
5.9 - 9.8 N·m)



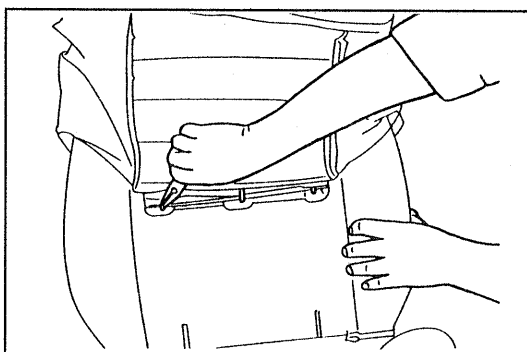
WRU92-BO409

8. Install new hook rings to the front seatback cover at the three points, as indicated in the right figure.



WRU90-BO315

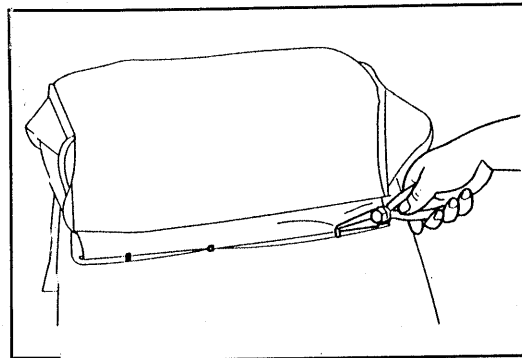
9. Install new hook rings to the front seatback cover at the three points, as indicated in the right figure.



WRU90-BO316

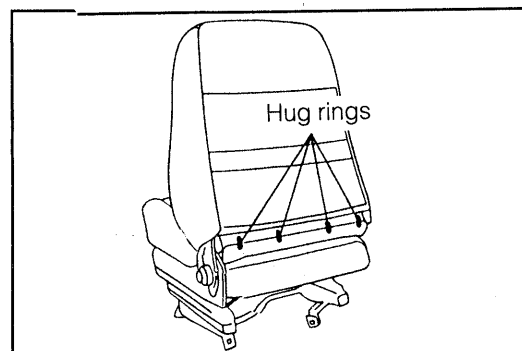
BODY

10. Install new hook rings to the rear side of the front seatback cover at the three points, as indicated in the right figure.



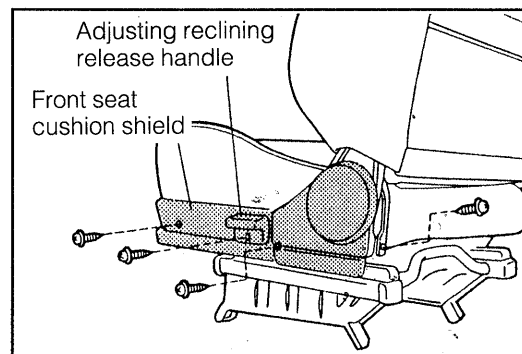
WRU90-BO317

11. Install new hook rings to the front seatback cover at the four points, as indicated in the right figure.



WRU90-BO318

12. Install the front seat cushion shield with the three screws.
13. Install the adjusting reclining release handle with the one screw.
14. Install the headrest.

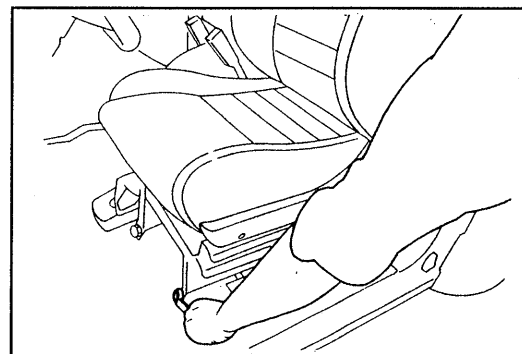


WRU90-BO319

INSTALLATION

Install the front seat with the four bolts.

Tightening torque: 3.0 - 4.5 kg-m
(22 - 33 ft-lb, 29.4 - 44.1 N-m)

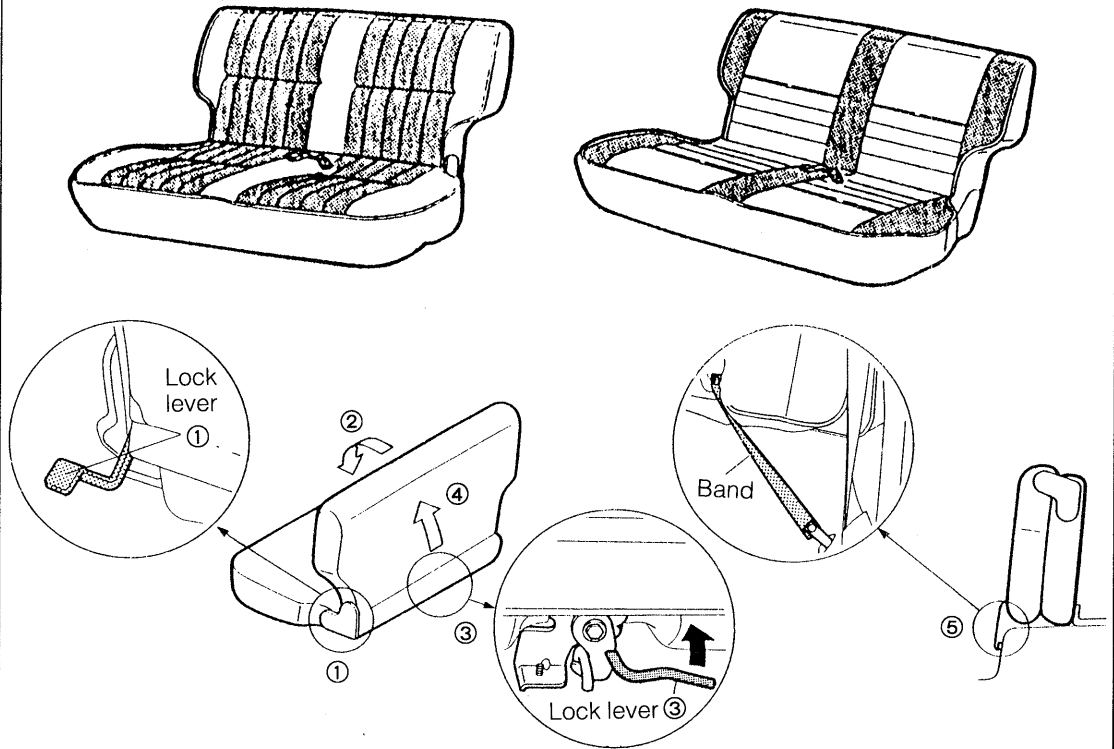


WRU90-BO320

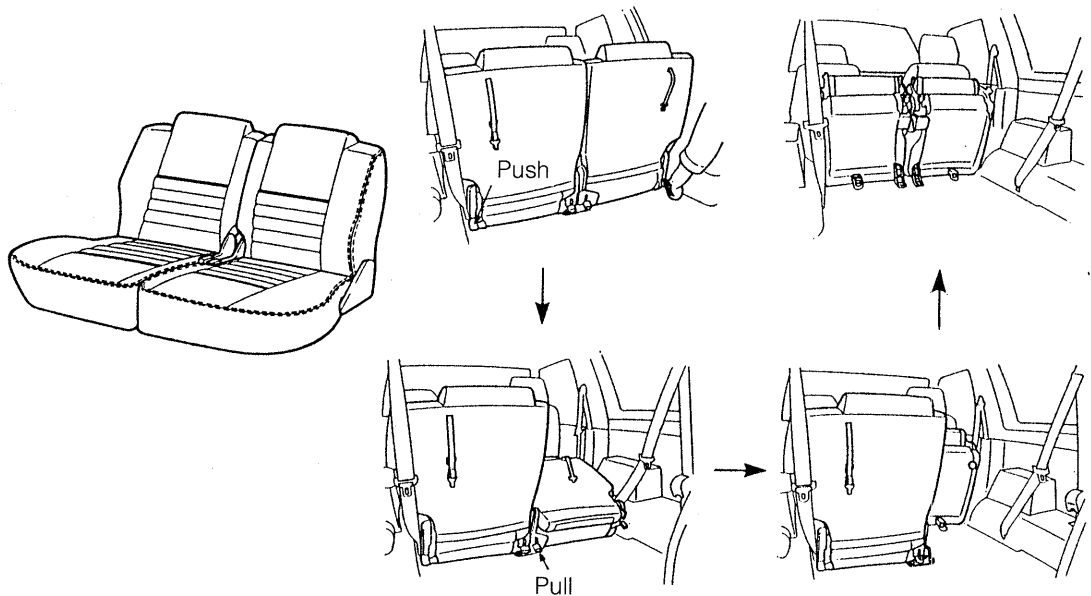
REAR SEAT

For enhanced rigidity and reduced weight, the seat cushion frame of the rear seat adopts a pipe frame and an "S" spring structure. On the other hand, the seatback frame employs a pipe frame and a wire structure. The rear seat uses urethane having an adequate hardness as the seat pad material. Moreover, the rear seat employs a foldable construction. In addition, the separate type rear seat is available as optional equipment.

Bench type rear seat



Separate type rear seat

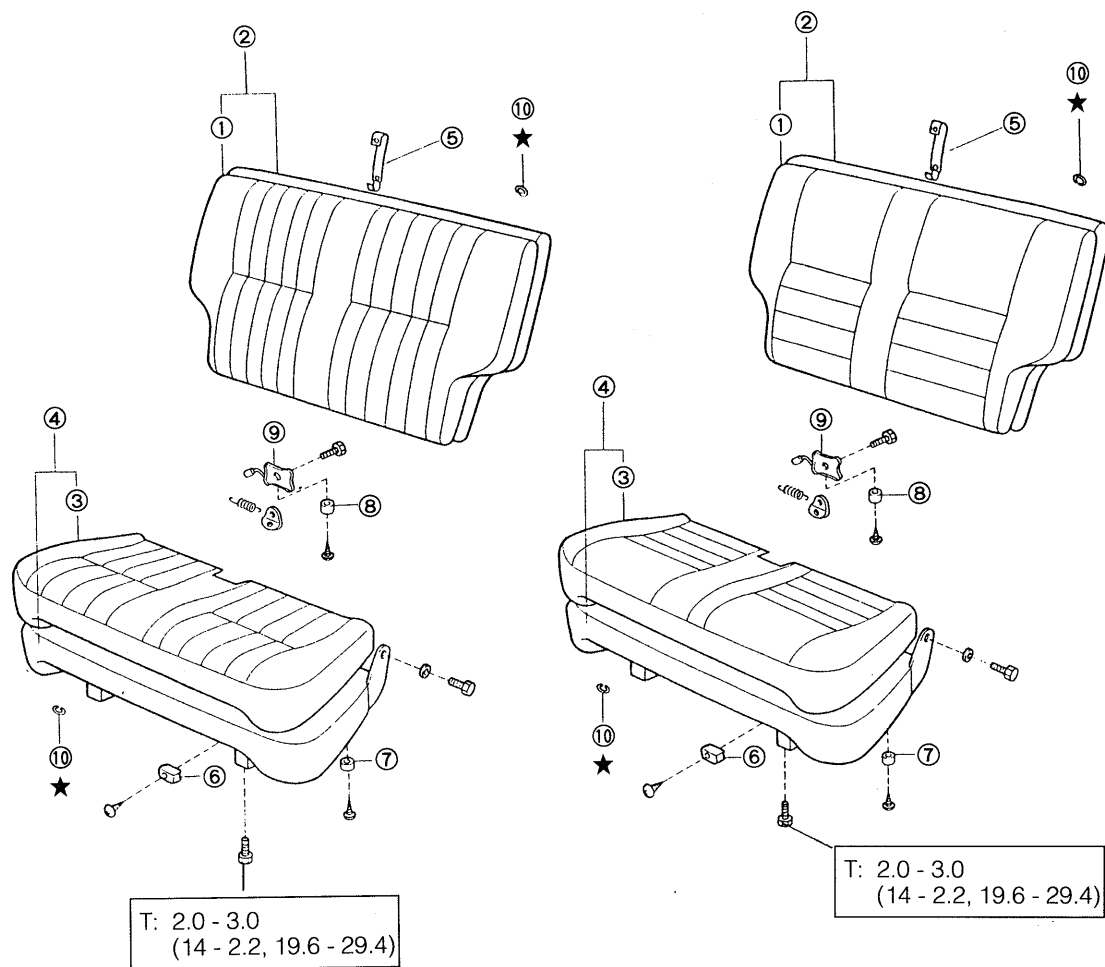


WRU90-BO321

BODY

BENCH TYPE REAR SEAT

COMPONENTS



T : Tightening torque
Unit : kg-m (ft-lb, N-m)
★ : Non-reusable parts

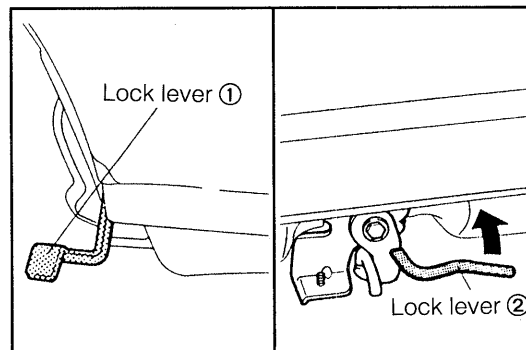
- ① Rear seat back cover
- ② Rear seat back Ay
- ③ Rear seat cushion cover
- ④ Rear seat cushion Ay
- ⑤ Rear seat stop band

- ⑥ Cushion
- ⑦ Cushion No. 3
- ⑧ Cushion No. 4
- ⑨ Hook rear
- ⑩ Hook ring

WRU90-BO322

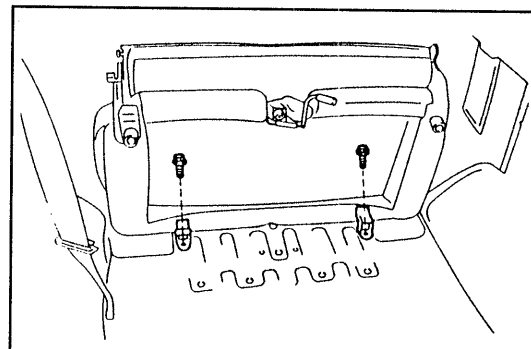
REMOVAL

1. Removal of rear seat
 - (1) Push the lock lever ①
 - (2) Pull up the lock lever ②
 - (3) Raise the entire seat forward



WRU90-BO323

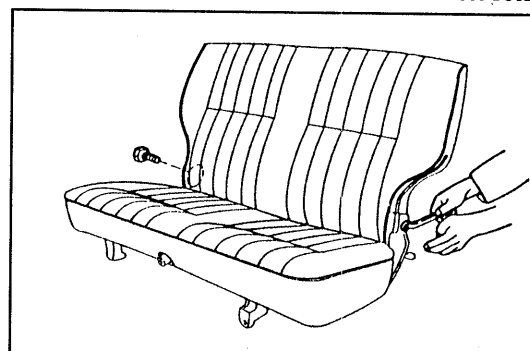
- (4) Remove the rear seat by removing the two bolts.



WRU90-BO324

DISASSEMBLY

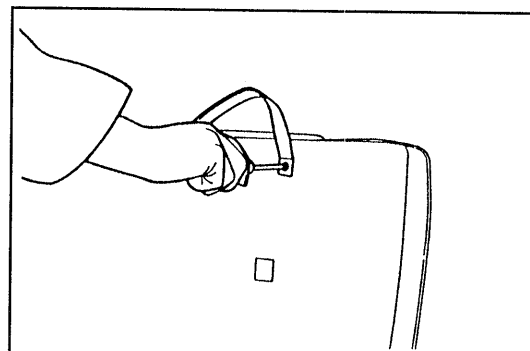
1. Remove the rear seatback by removing the two bolts.



WRU90-BO325

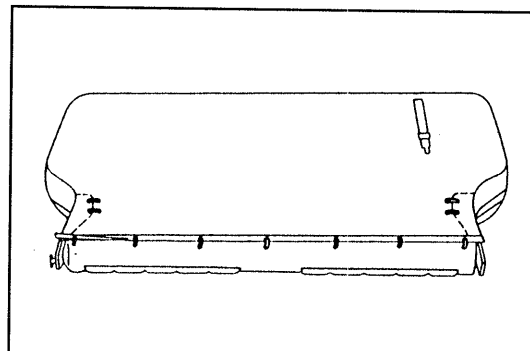
2. Removal of rear seatback cover

- (1) Remove the band by removing the one screw.



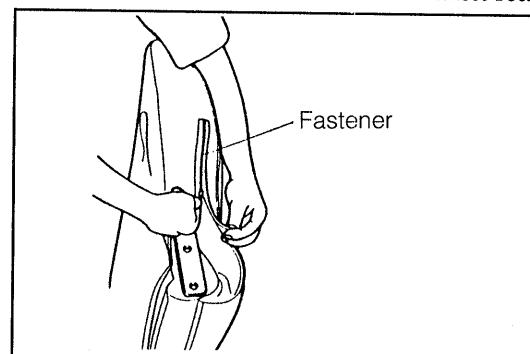
WRU90-BO326

- (2) Remove the hook ring at the back side of the seatback.



WRU90-BO327

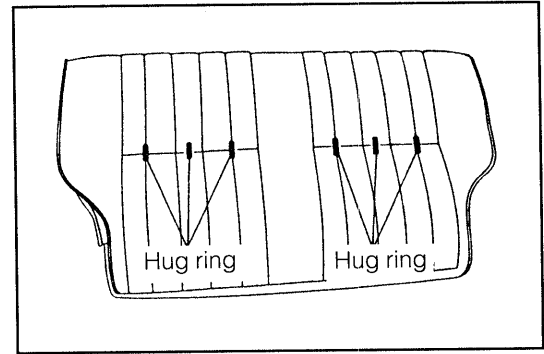
- (3) Raise the fasteners.



WRU90-BO328

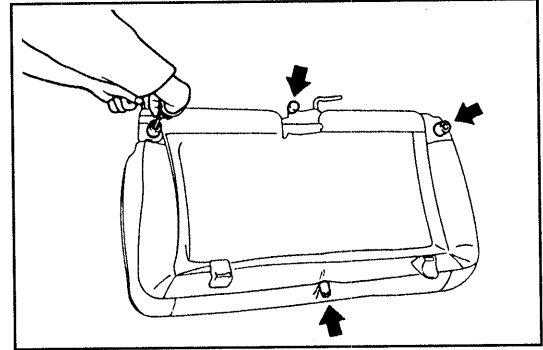
BODY

- (4) Turn over the rear seatback cover.
Remove the rear seatback over by removing the hook rings at the front section of the seatback.
- (5) Remove the rear seatback cover.



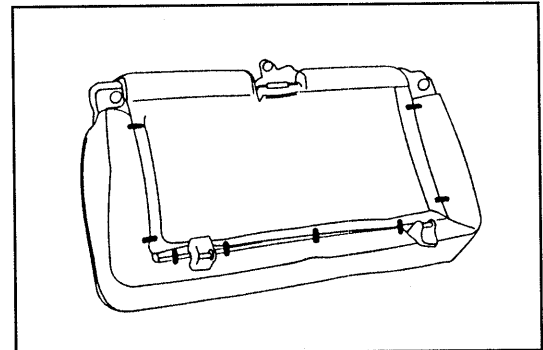
WRU90-BO329

3. Removal of rear seat cushion cover
 - (1) Remove the four cushion by removing the screws.



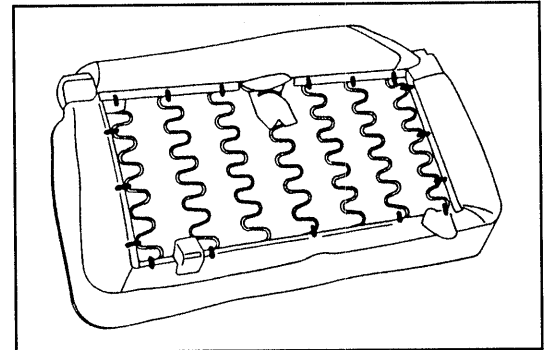
WRU90-BO330

- (2) Remove the hook ring at the back side of the rear seat cushion.

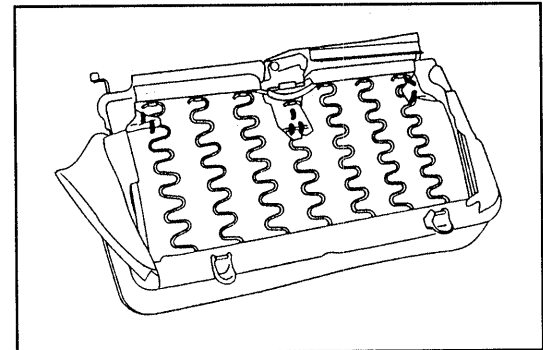


WRU90-BO331

- (3) Turn over the rear seat cushion cover.
Remove the hook ring at the back side of the rear seat cushion.

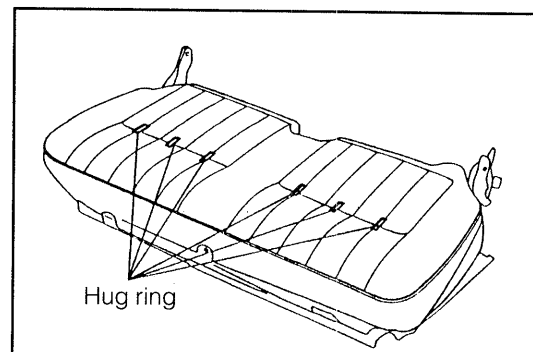


WRU90-BO332



WRU90-BO333

- (4) Turn over the rear seat cushion cover.
- Remove the rear seat cushion cover by removing the hook rings at the front section of the rear seat cushion.
- (5) Remove the rear seat cushion cover.

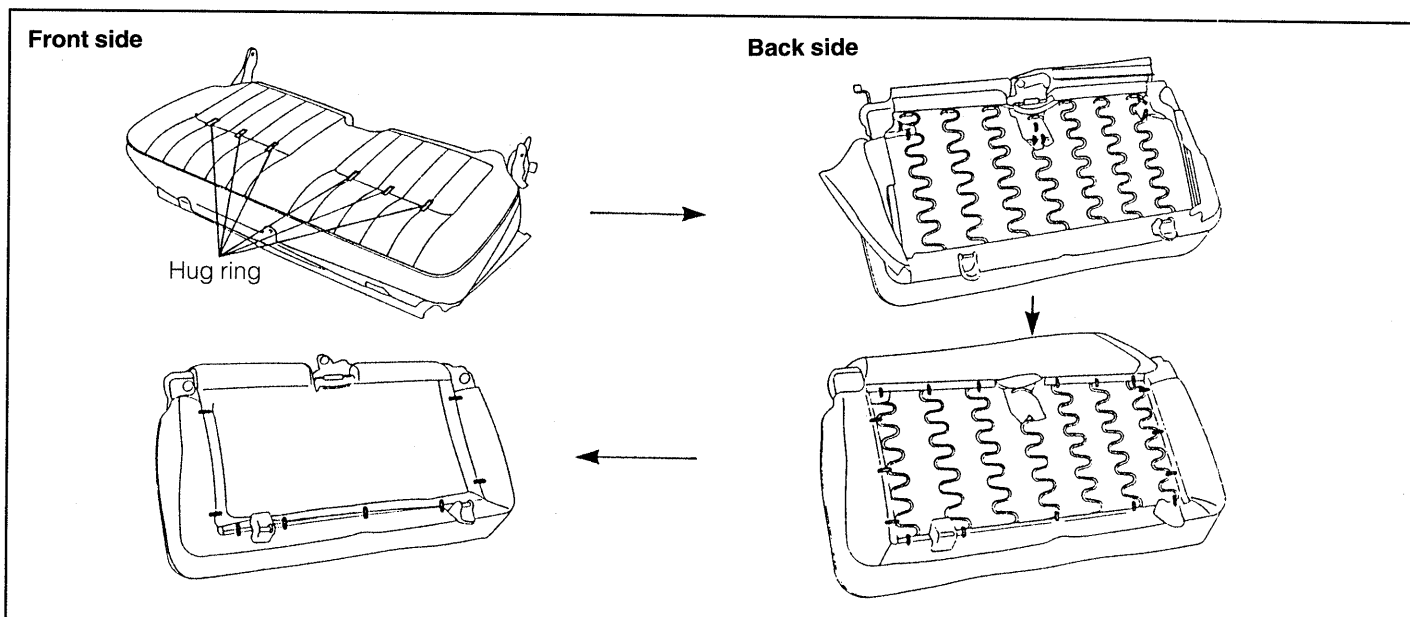


WRU90-BO334

ASSEMBLY

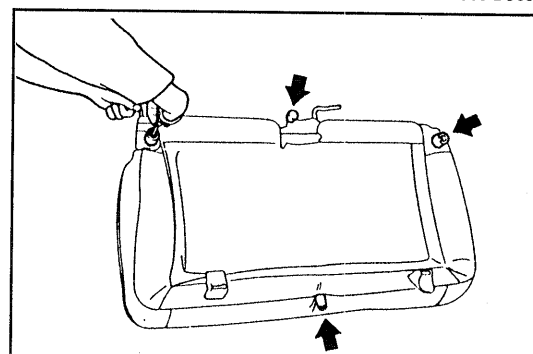
1. Installation of rear seat cushion cover

- (1) Install the new hook rings at the rear seat cushion cover.



WRU90-BO335

- (2) Install the four cushion with the screws.



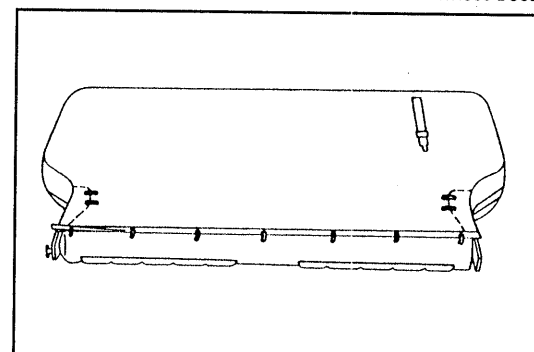
WRU90-BO336

2. Installation of rear seatback cover

- (1) Install the new hook rings at the front side of the rear seatback.
- (2) Lower all the fasteners.
- (3) Install the new hook rings at the back side of the rear seatback.

NOTE:

- Be very careful not to smear or scratch the rear seatback cover during the assembly.
- When installing the hook rings, make sure that no wrinkle is formed on the rear seatback cover whenever possible.



WRU90-BO337

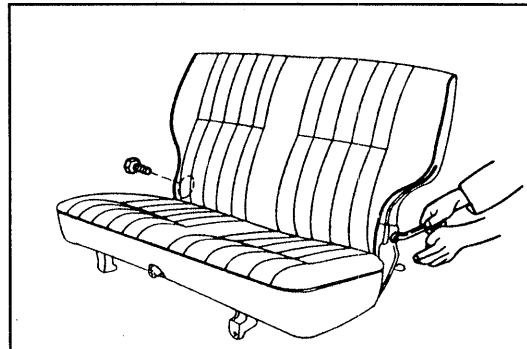
BODY

3. Install the rear seatback to the rear seat cushion with the two bolts.

Tightening Torque: 1.8 - 3.2 kg-m
(13 - 23 ft-lb, 17.7 - 31.4 N·m)

NOTE:

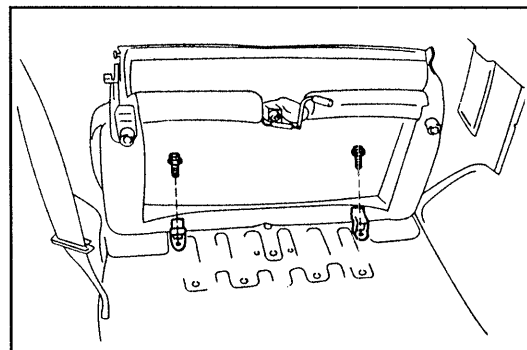
Make sure that the rear seat cushion bolts at the right and left are tightened securely.



WRU90-BO338

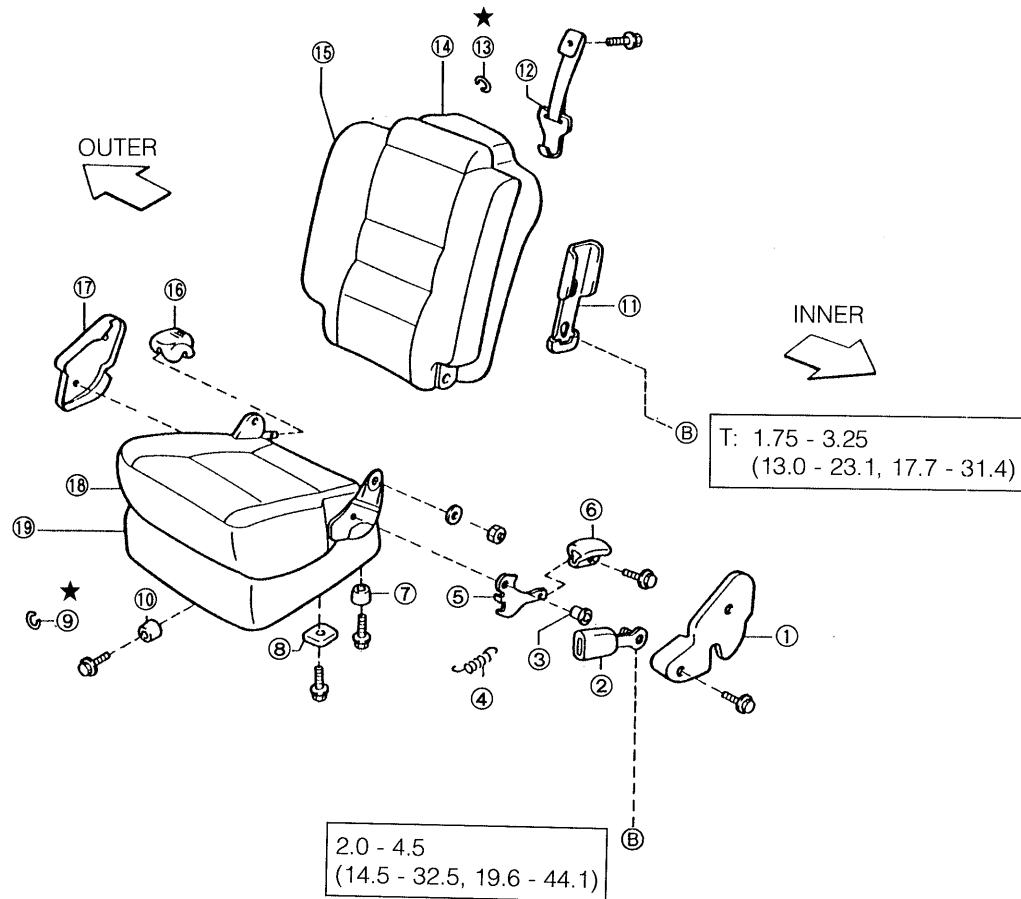
4. Install the rear seat with the two bolts.

Tightening Torque: 2.0 - 3.0 kg-m
(14 - 22 ft-lb, 19.6 - 29.4 N·m)



WRU90-BO339

SEPARATE TYPE REAR SEAT COMPONENTS

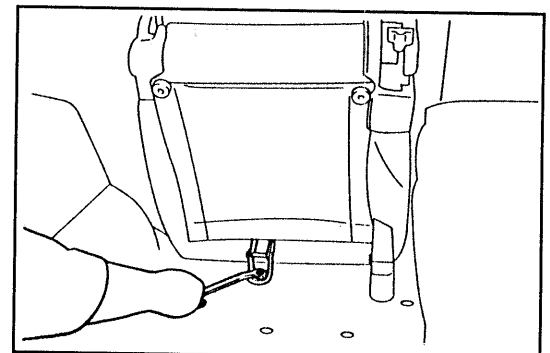


T : Tightening torque
Unit : kg-m (ft-lb, N-m)
★ : Non-reusable parts

- | | | |
|--------------------------|--------------------------|------------------------|
| ① Rear seat lock cover | ⑨ Hook ring | ⑰ Rear seat lock cover |
| ② Rear seat inner belt | ⑩ Cushion | ⑱ Rear seat cover |
| ③ Bush | ⑪ Rear seatback blanket | ⑲ Rear seat assembly |
| ④ Tension spring | ⑫ Rear seat stop band | |
| ⑤ Rear seat lock blanket | ⑬ Hook ring | |
| ⑥ Rear seat lock handle | ⑭ Rear seatback assembly | |
| ⑦ Cushion | ⑮ Rear seat cover | |
| ⑧ Cushion | ⑯ Rear seat lock handle | |

REMOVAL

1. Remove the rear seat by removing the two bolts.



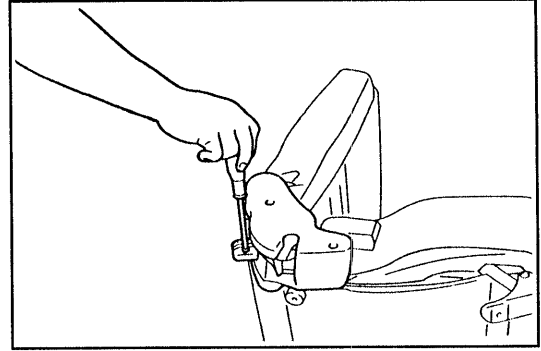
WRU90-BO340

WRU90-BO341

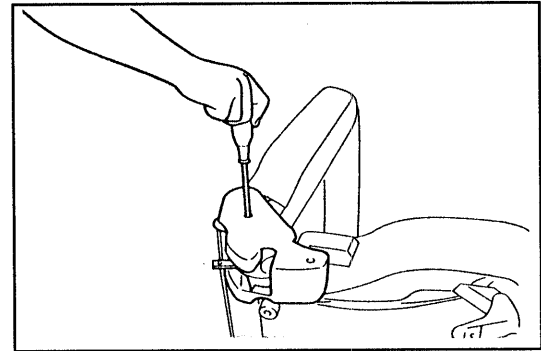
BODY

DISASSEMBLY

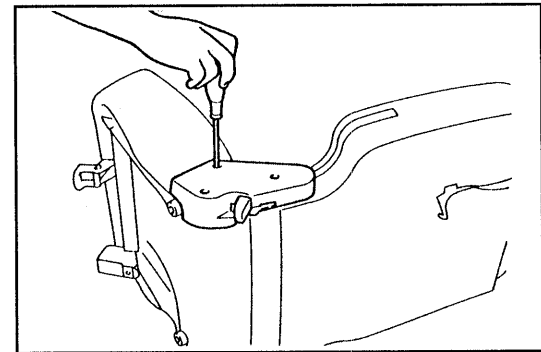
1. Remove the rear seat lock handle.



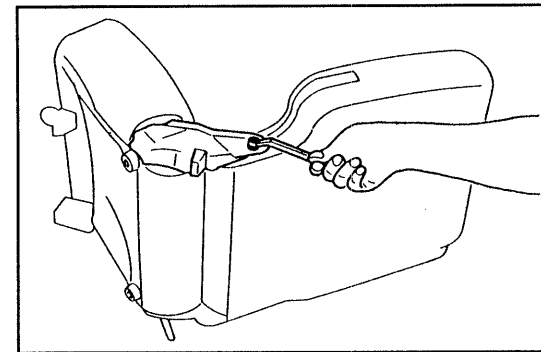
2. Remove the rear seat lock cover.



3. Remove the rear seatback lower cover.

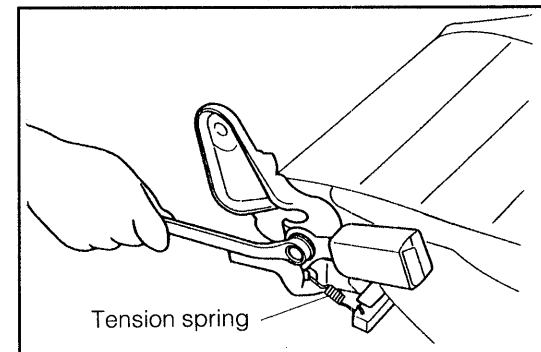


4. Remove the rear seatback assembly from the rear seat cushion assembly.

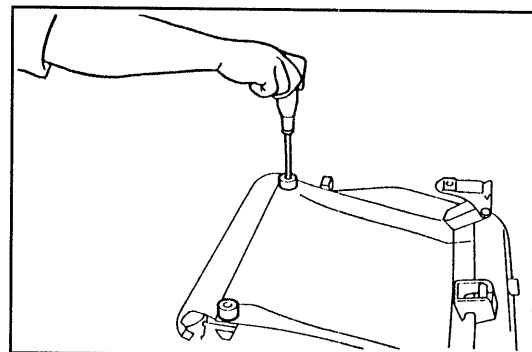


5. Remove the rear seat inner belt assembly.

6. Remove the tension spring.

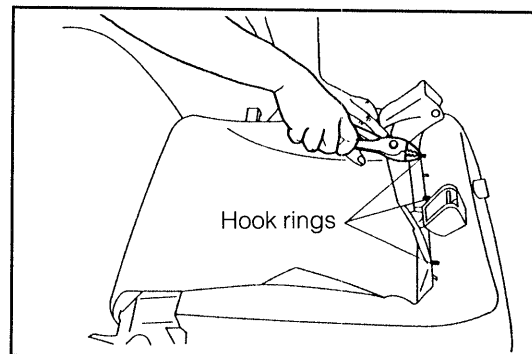


7. Remove the two cushions.



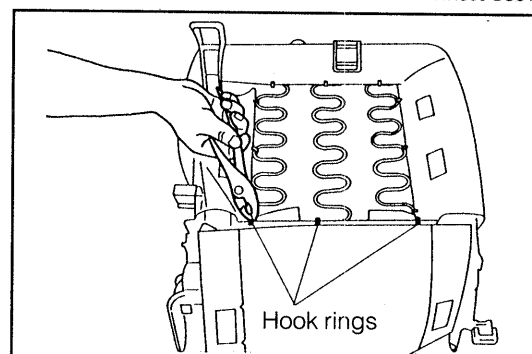
WRU90-BO347

8. Detach the three hook rings of the rear seat cushion, as indicated in the right figure.



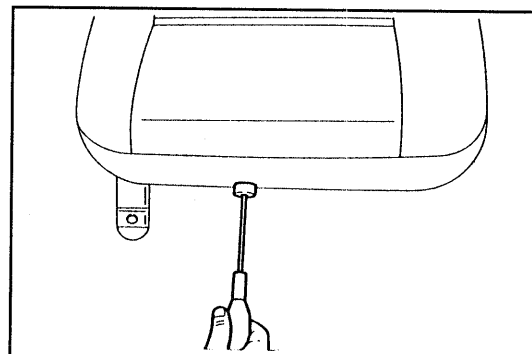
WRU90-BO348

9. Detach the three hook rings of the rear seat cushion, as indicated in the right figure. Remove a part of the rear seat cushion cover.



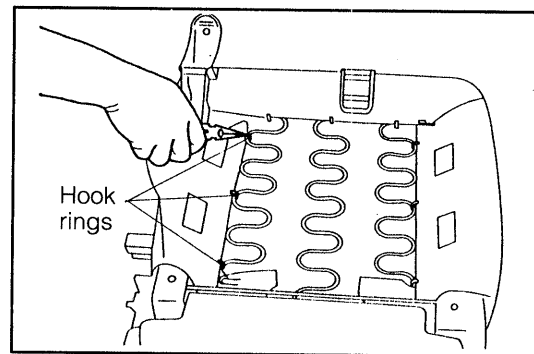
WRU90-BO349

10. Remove the cushion.



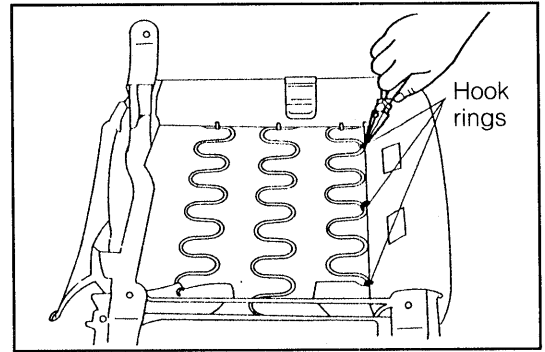
WRU90-BO350

11. Detach the three hook rings of the rear seat cushion cover, as indicated in the right figure.



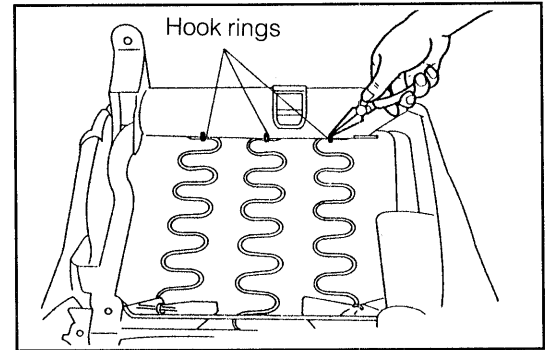
WRU90-BO351

12. Detach the three hook rings of the rear seat cushion cover, as indicated in the right figure.



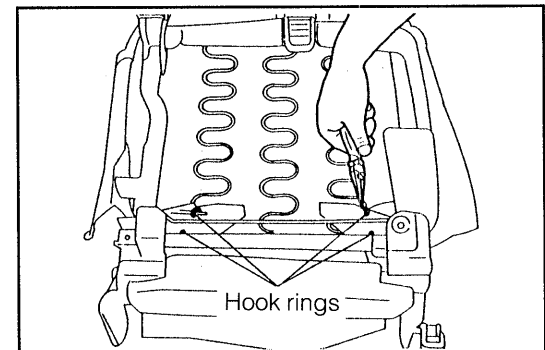
WRU90-BO352

13. Detach the three hook rings of the rear seat cushion cover, as indicated in the right figure.



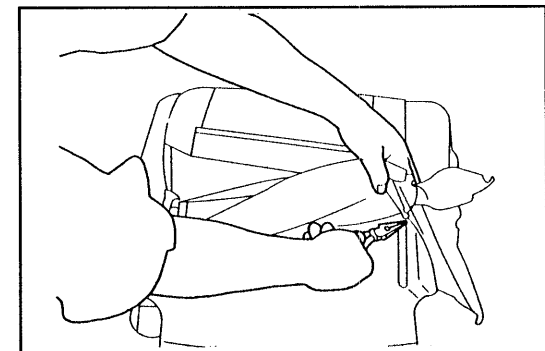
WRU90-BO353

14. Detach the four hook rings of the rear seat cushion cover, as indicated in the right figure.



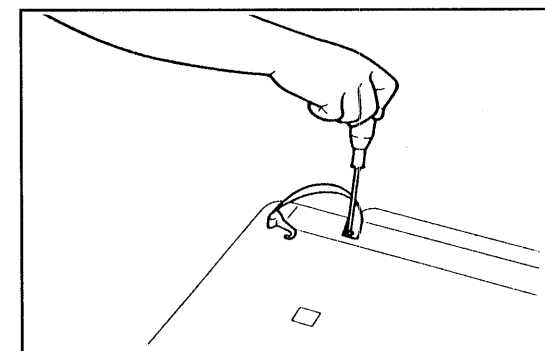
WRU90-BO354

15. Detach the seven hook rings of the rear seat cushion cover. Remove the rear seat cushion cover from the rear seat cushion.



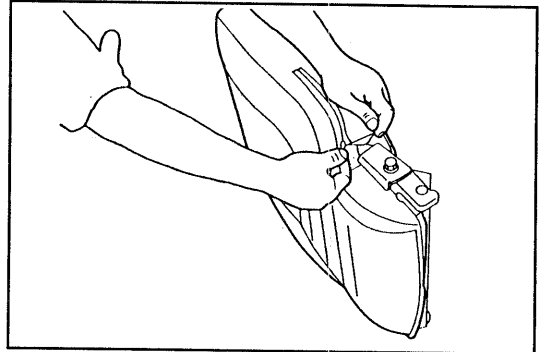
WRU90-BO355

16. Remove the rear seat stop band from the rear seatback assembly.



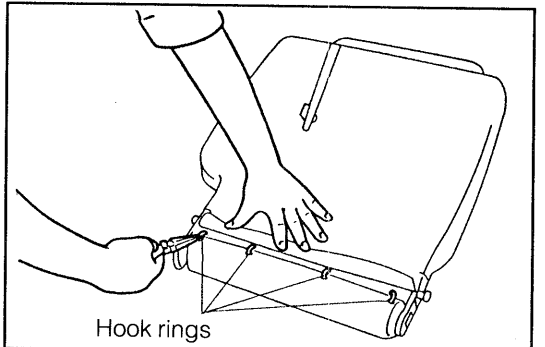
WRU90-BO356

17. Raise the fastener of the rear seatback cover.



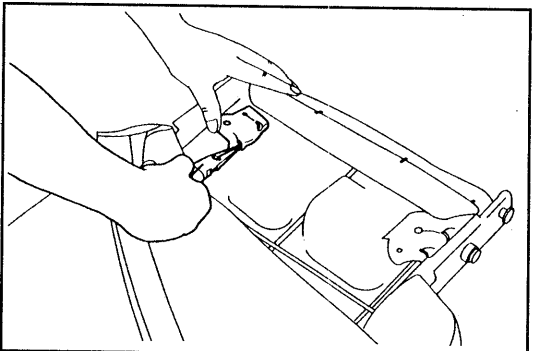
WRU90-BO357

18. Detach the four hook rings of the rear seatback cover, as indicated in the right figure.



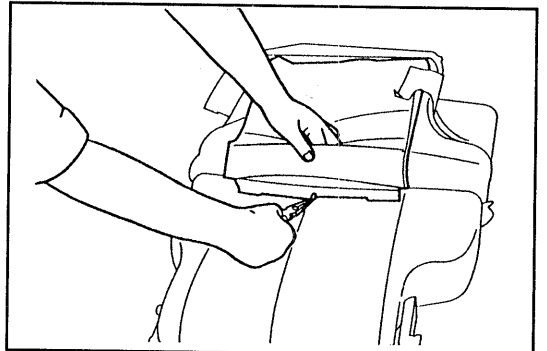
WRU90-BO358

19. Detach the four hook rings of the rear seatback cover, as indicated in the right figure.



WRU90-BO359

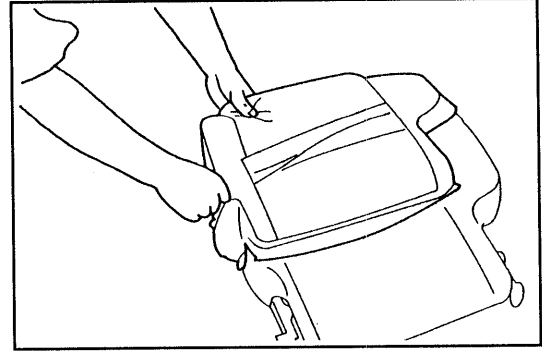
20. Detach the three hook rings of the rear seatback cover, as indicated in the right figure. Remove the rear seatback cover from the rear seatback assembly.



WRU90-BO360

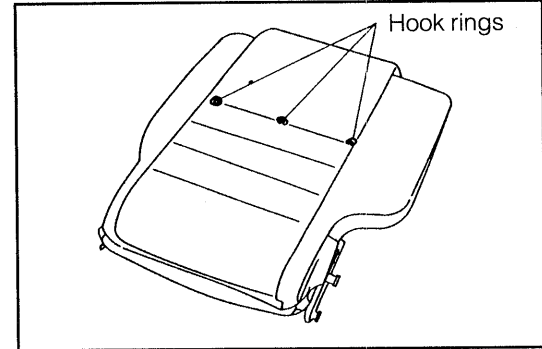
ASSEMBLY

1. Install the rear seat cover to the rear seatback assembly.



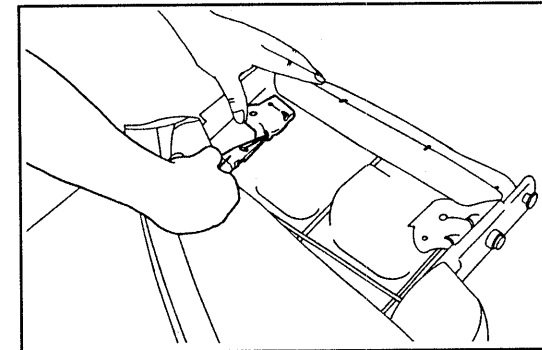
WRU90-BO361

2. Install new hook rings to the rear seatback cover, as indicated in the right figure.



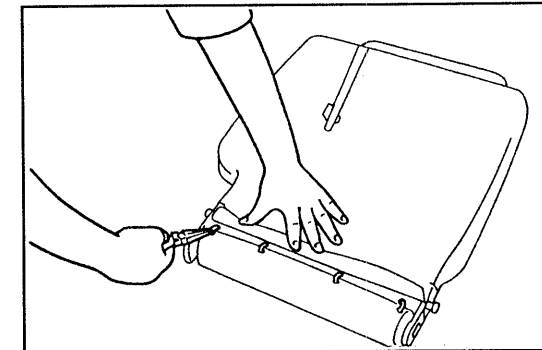
WRU90-BO362

3. Install new hook rings to the rear seatback cover at the four points, as indicated in the right figure.



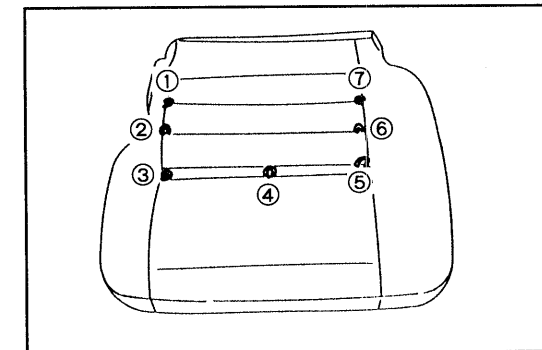
WRU90-BO363

4. Install new hook rings to the rear seatback cover at the four points, as indicated in the right figure.
5. Lower the fastener of the rear seatback.
6. Install the rear seat stop band.



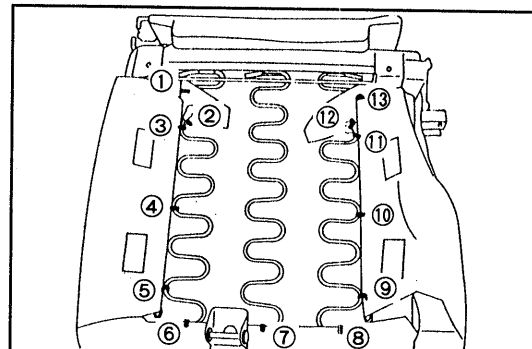
WRU90-BO364

7. Install the rear seat cushion cover to the rear seat cushion assembly. Install new hook rings at the seven points, as indicated in the right figure.



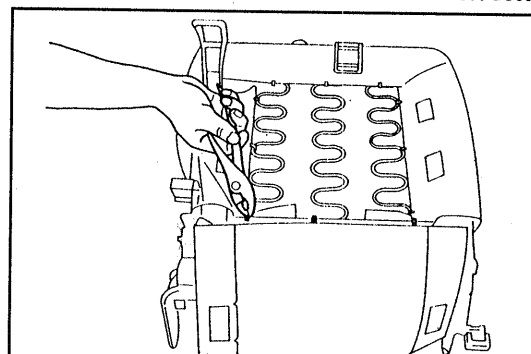
WRU90-BO365

8. Install new hook rings to the rear seat cushion cover at the 13 points, as indicated in the right figure.



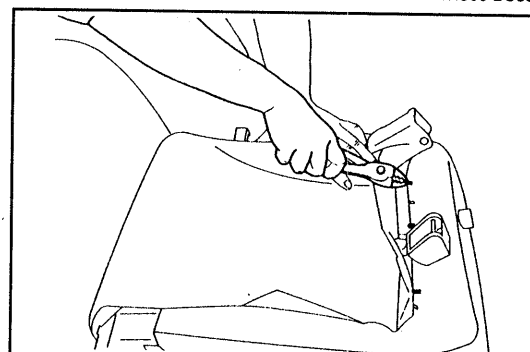
WRU90-BO366

9. Install new hook rings to the rear seat cushion cover at the three points, as indicated in the right figure.



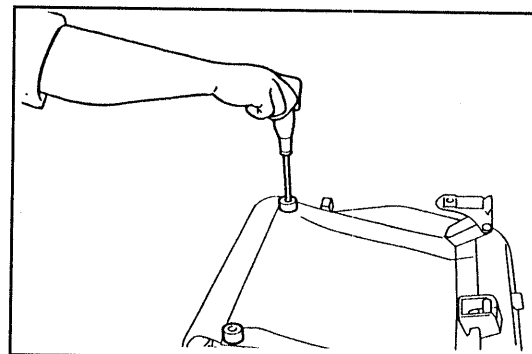
WRU90-BO367

10. Install new hook rings to the rear seat cushion cover at the three points, as indicated in the right figure.



WRU90-BO368

11. Install the rear seat cushion at the three points, as indicated in the right figure.

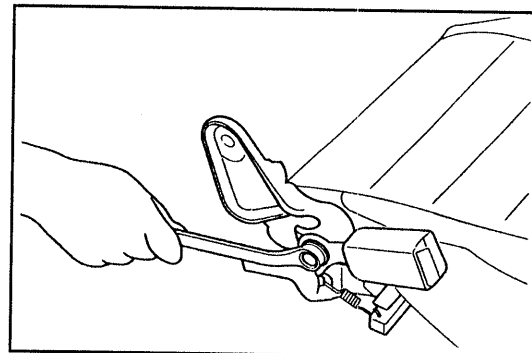


WRU90-BO369

12. Install the rear seat inner belt assembly.

Tightening Torque: 2.0 - 4.5 kg-m
(14.5 - 32.5 ft-lb, 19.6 - 44.1 N·m)

13. Install the tension spring.



WRU90-BO370

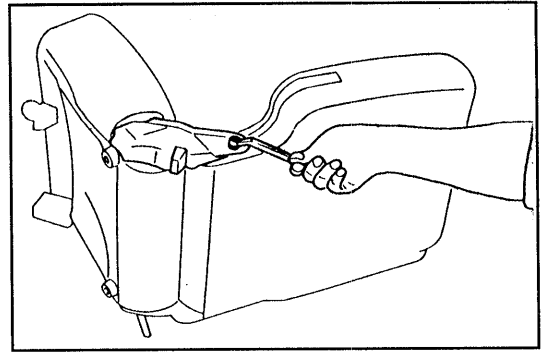
BODY

14. Install the rear seat cushion assembly to the rear seatback assembly.

Tightening Torque: 1.75 - 3.25 kg-m
(13.0 - 23.1 ft-lb, 17.7 - 31.4 N·m)

NOTE:

Make sure that the rear seatback attaching bolts at the right and left are tightened securely.



WRU90-BO371

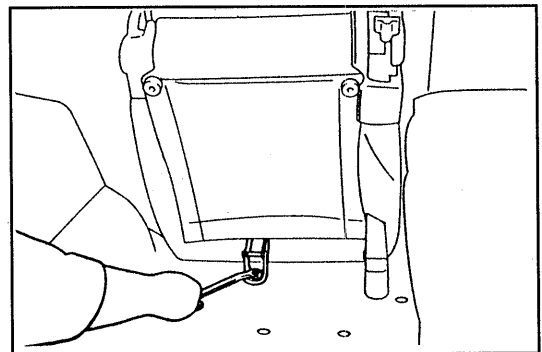
15. Install the rear seatback lock cover.
16. Install the rear seat lock cover.
17. Install the rear seat lock handle.

WRU90-BO372

INSTALLATION

1. Install the rear seat by installing the two bolts.

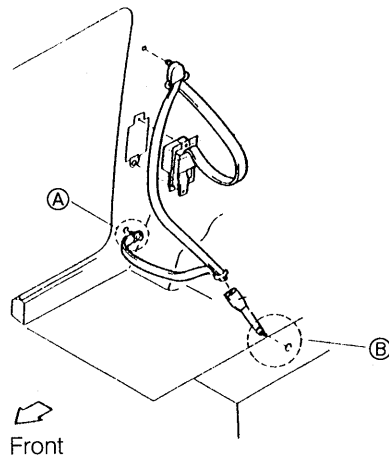
Tightening Torque: 2.0 - 3.0 kg-m
(14 - 22 ft-lb, 19.6 - 29.4 N·m)



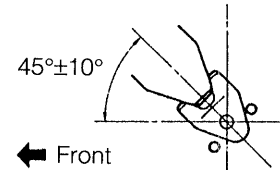
WRU90-BO373

SEAT BELTS COMPONENTS

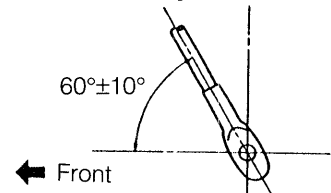
Front



A Installing direction of front seat belt lap outer anchor



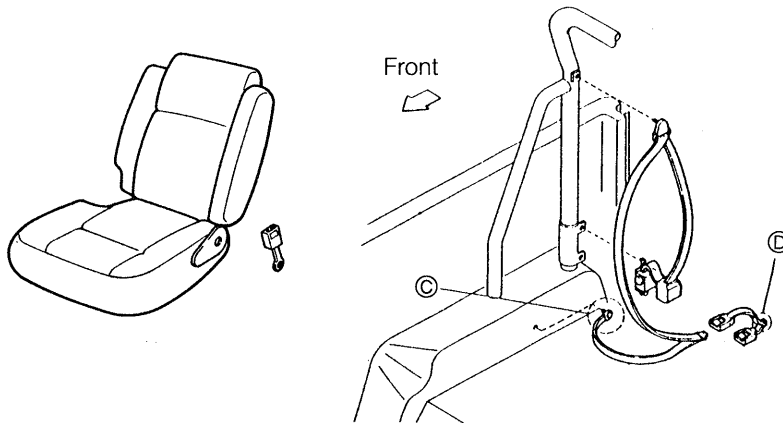
B Installing direction of front inner belt Ay



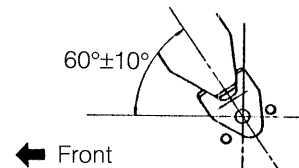
Bolt Tightening Torque T: 2.9 - 5.4 kg-m
21.0 - 39.1 ft-lb, 28.4 - 53.0 N-m

Rear

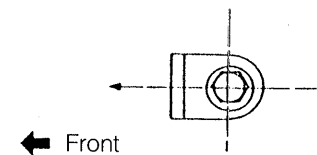
3-point (ELR) X 2



C Installing direction of front seat belt lap outer anchor



D Installing direction of rear inner belt Ay



Bolt Tightening Torque T: 2.9 - 5.4 kg-m
21.0 - 39.1 ft-lb, 28.4 - 53.0 N-m

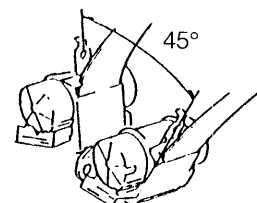
INSPECTION

ELR Locking check

Slowly tilt the retractor from the installation angle. Ensure that no belt locking takes place within 15 degrees in all directions. Also, ensure that the locked state is retained when the retractor is tilted 45 degrees or more.

NOTE:

- Never attempt to disassemble the retractor.
- After the anchor bolts have been tightened, make sure that each anchor can move in the bolt's circumferential direction.
- Be sure that the belt in the installed state can be pulled out smoothly and also it can be retracted smoothly into position.

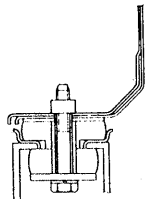
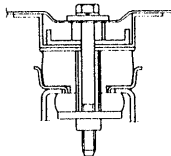
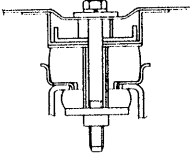
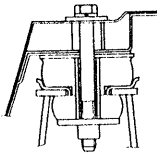
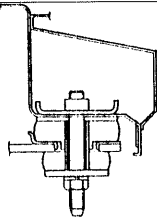


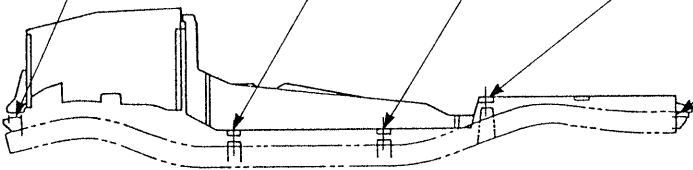
WRU90-BO374

WRU90-BO375


BODY MOUNTINGS

The mountings used for connecting the vehicle body to the frame have been further improved so that the transmission of noise from the suspensions and power train system to the vehicle body may be kept at a minimum level.

No	1	2	3	4	5
Hardness (Hs)	46	Upper 60 Lower 44	60	Upper 40 Lower 44	60
Identification	Yellow	Black	White	Black	White
Shape					
Tightening torque kg-m (ft-lb, N-m)	4.2 - 6.5 (30.4 - 47.0, 41.2 - 63.7)	4.2 - 6.5 (30.4 - 47.0, 41.2 - 63.7)	4.2 - 6.5 (30.4 - 47.0, 41.2 - 63.7)	4.2 - 6.5 (30.4 - 47.0, 41.2 - 63.7)	4.2 - 6.5 (30.4 - 47.0, 41.2 - 63.7)



Mounting cushion



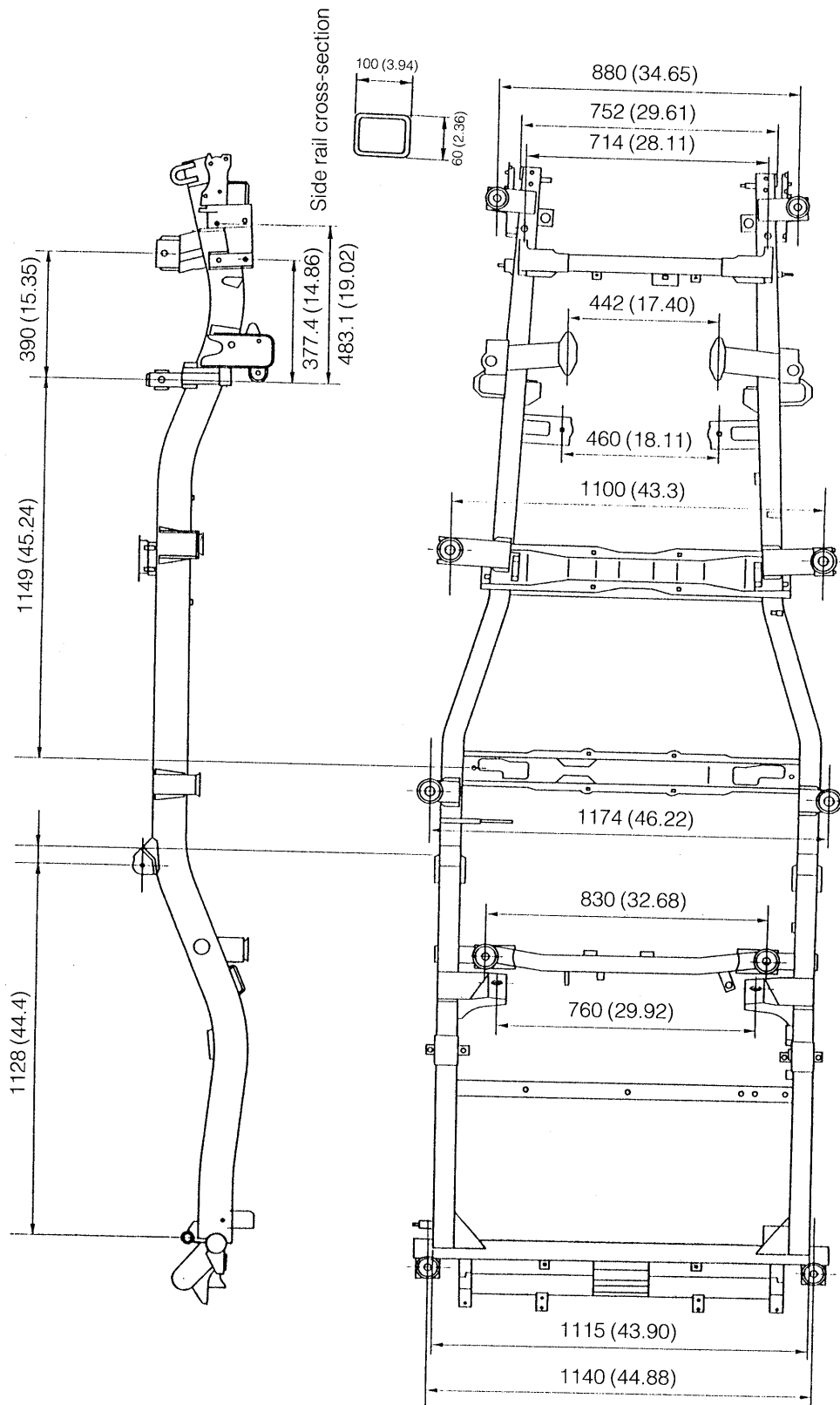
Identification

WRU90-BO376

FRAME

The frame employs a ladder type frame which retards the transmission of vibrations and noises from the road or engine to the body. Furthermore, the ladder type frame contributes to soft riding comfort and quieter vehicle interior.

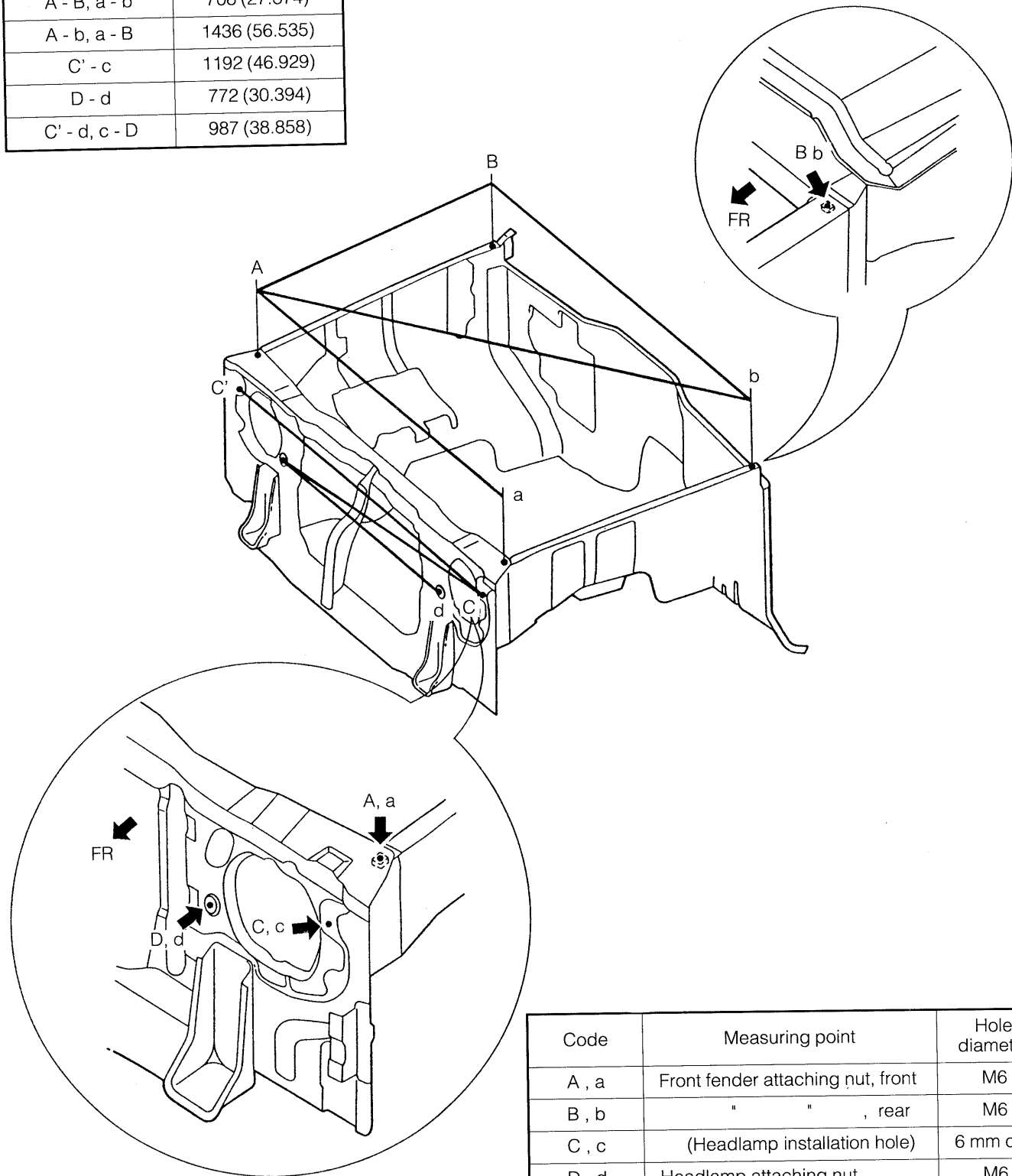
The frame has box shaped cross-section.



BODY DIMENSIONS

<Engine Compartment>

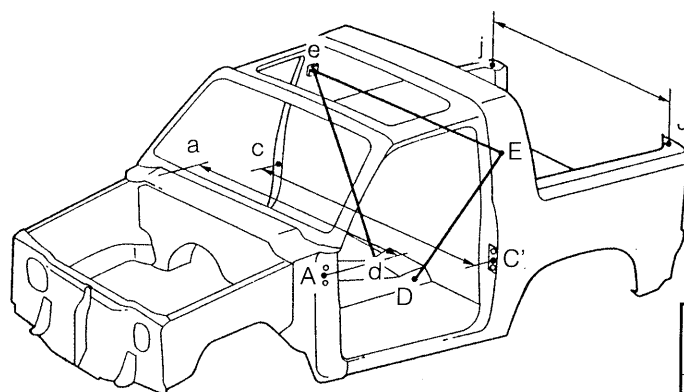
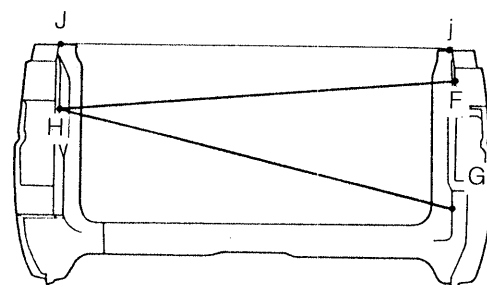
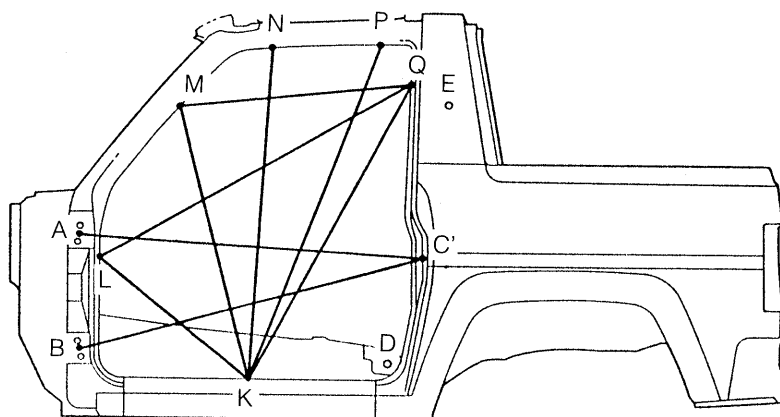
Code	Dimensions mm (inches)
A - a	1225.2 (48.236)
B - b	1275.6 (50.220)
A - B, a - b	708 (27.874)
A - b, a - B	1436 (56.535)
C' - c	1192 (46.929)
D - d	772 (30.394)
C' - d, c - D	987 (38.858)



Code	Measuring point	Hole diameter
A , a	Front fender attaching nut, front	M6
B , b	" " , rear	M6
C , c	(Headlamp installation hole)	6 mm dia.
D , d	Headlamp attaching nut	M6

WRU90-B0378

<Main Body Subassembly>

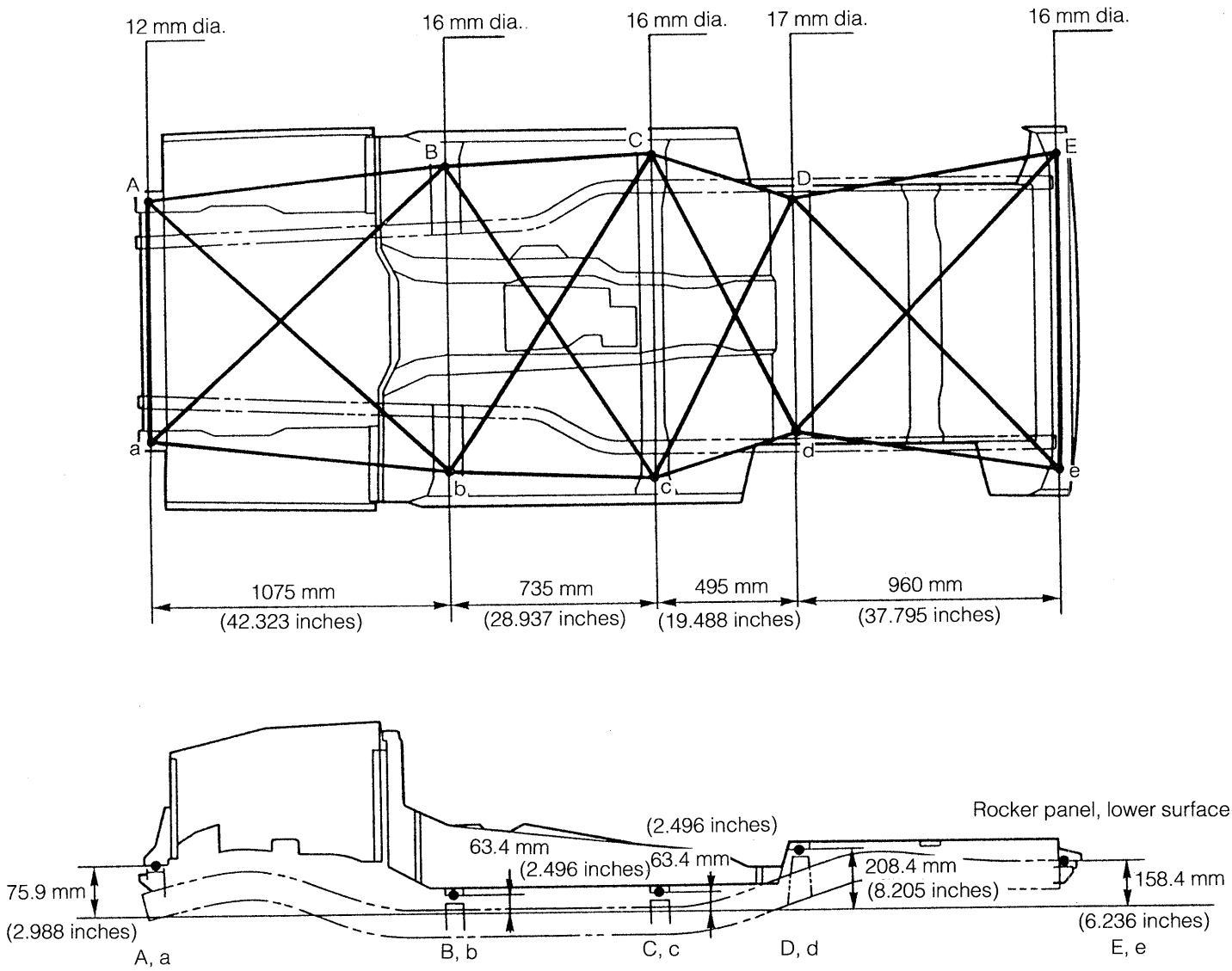


Code	Dimensions mm (inches)
A - C'	1120 (44.094)
B - C'	1159 (45.630)
C' - C	1387 (54.606)
D - E	1001 (39.409)
E - e	1206 (47.480)
A - a	1310 (51.575)
F - H	1274 (50.157)
H - G	1312 (51.653)
L - K	627 (24.685)
L - Q	1167 (45.945)
K - M	921 (36.260)
K - N	1103 (43.425)
K - P	1176 (46.299)
K - Q	1103 (43.425)
M - Q	752 (29.606)
J - j	1260 (49.606)

Code	Measuring point	Hole diameter
A, a	Front door hinge installation reference hole (upper hinge)	10 mm dia.
B, b	Front door hinge installation reference hole (lower hinge)	10 mm dia.
C', d	Front door lock striker installation reference hole	9 mm dia.
D, d	Front floor seat belt installation hole	16 mm dia.
E, e	Rear pillar upper seat belt installation hole	15.5 dia.
F	Back door hinge installation hole (upper hinge)	13 mm dia.
G	Back door hinge installation hole (lower side)	13 mm dia.
H	Back door hinge installation hole (upper side)	13 mm square
J, j	Side panel top rail assembling reference hole	7 mm dia.
K	Rocker panel flange cut-out	7 mm wide
L	Front body pillar, lower cut-out	—
M	Front body pillar, upper cut-out	—
N	Roof side rail cut-out (front)	8 mm wide
P	Roof side rail cut-out (rear)	—
Q	Rear pillar, upper	—

BODY

<Underbody>



Code	Dimensions mm (inches)
A - a	880 (34.646)
B - b	1100 (43.307)
C' - c	1174 (46.220)
D - d	830 (32.677)
E - e	1140 (44.882)
A - B, a - b	1081 (42.559)
A - b, a - B	1461 (57.520)
B - C', b - c	736 (28.976)
B - C', b - c	1354 (53.307)
C' - D, c - d	544 (21.417)
C' - d, c - D	1127 (44.370)
D - E, d - e	974 (38.346)
D - e, d - E	1376 (54.173)

Code	Measuring point	Hole diameter
A , a	Body mounting No. 1 installation hole	12 mm dia.
B , b	" No. 3 "	16 mm dia.
C , c	" No. 4 "	16 mm dia.
D , d	" No. 5 "	17 mm dia.
E , e	" No. 6 "	16 mm dia.