## **BODY & TRIM**

# SECTION BT

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- ★ For seat belt, refer to MA and RS section.
- ★ For wiring diagrams of body electrical systems, refer to EL section.

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#### **PRECAUTIONS**

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



## Supplemental Restraint System (SRS) "AIR BAG"

The Supplemental Restraint System "Air Bag", used along with a seat belt, helps to reduce the risk or severity of injury to the driver in a frontal collision. The Supplemental Restraint System consists of an air bag module (located in the center of the steering wheel), a diagnosis sensor unit, warning lamp, wiring harness, a crash zone sensor (4WD models) and spiral cable. Information necessary to service the system safely is included in the **RS section** of this Service Manual.

#### **WARNING:**

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses are covered with yellow insulation either just before the harness connectors or for the complete harness, for easy identification.

#### **GENERAL SERVICING**

### **Clip and Fastener**

- Clips and fasteners in BT section correspond to the following numbers and symbols. Replace any clips and/or fasteners which are damaged during removal or installation.

Symbol No.	Shapes	Removal & Installation
(E) (D)		Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.
	SBF302H	SBI 307BA
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	SBF303H	Removal: Remove with a clip remover.  SBF423H
		Push center pin to catching position.
(202)	A A	Push (Do not remove center pin by hitting it.)
©203) [] {\bar{0}}		Push +
		Installation:
	SBF258G	SBF708E ST
	l n	Removal:
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	SBF104B	SBF147B

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## **GENERAL SERVICING**

## Clip and Fastener (Cont'd)

	Clip and Fasterier (Cont d)						
Symbol No.	Shapes	Removal & Installation					
<b>©</b> 10 <b>9</b>		Removal: Remove by bending up with flat-bladed screwdrivers.  Radiator grille  Body panel					
	SBF351C	SBF352C					
Œ11 <b>4</b>		_					
	SBF353C						
	Clip-B (Grommet)	Flat-bladed screwdriver (Grommet) Body panel					
	SBF651B	SBF652B					
OF OF OF	Seal rubber Clip-B	Removal:  Clip-A  Finisher  Weatherstrip  Clip-B  Rubber seal  Flat-bladed screwdriver  SBF649B					
	35-0400	SBF649B1					
<b>(F114)</b>	SBF317C	Panel Removal: Remove using flat-bladed screwdrivers  Molding or pliers.  Panel Flat-bladed Clip screwdriver					

## **GENERAL SERVICING**

## Clip and Fastener (Cont'd)

Symbol No.	Shapes	Removal & Installation
€R103		Removal: Holder portion of clip must be spread out to remove rod.
	SBF768B	\$BF770B
<b>©</b> (10)	SBF145B	Removal:  Rotate 45° to remove.  Removal:  SBF085B
(S) (D) (S)		Removal:  1. Screw out with a Phillips screwdriver.  2. Remove female portion with flat-bladed screwdriver.
	SBF078B	SBF992G

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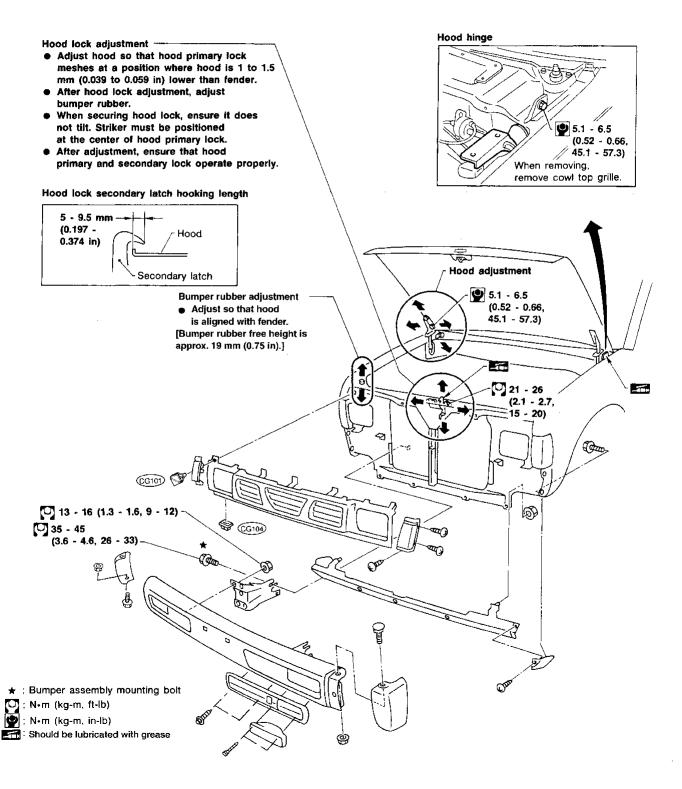
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#### Front End

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

#### SEC. 260-261-262-620-623-650-656



#### **Rear End**

Rear gate striker

Rear gate stay-

Rear gate

SEC. 930A • 940A

Rear body

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- 13 - 16 (1.3 - 1.6, 9 - 12) - 0 21 - 26 (2.1 - 2.7, 15 - 20)

21 - 26 (2.1 - 2.7, 15 - 20)

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-Rear gate handle

∠<mark>[0]</mark> <sub>13 - 16</sub> (1.3 - 1.6, 9 - 12)

62 - 78 (6.3 - 8.0, 46 - 58)

> 21 - 26 (2.1 - 2.7,

15 - 20)

Eye bolt

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Rear gate lock

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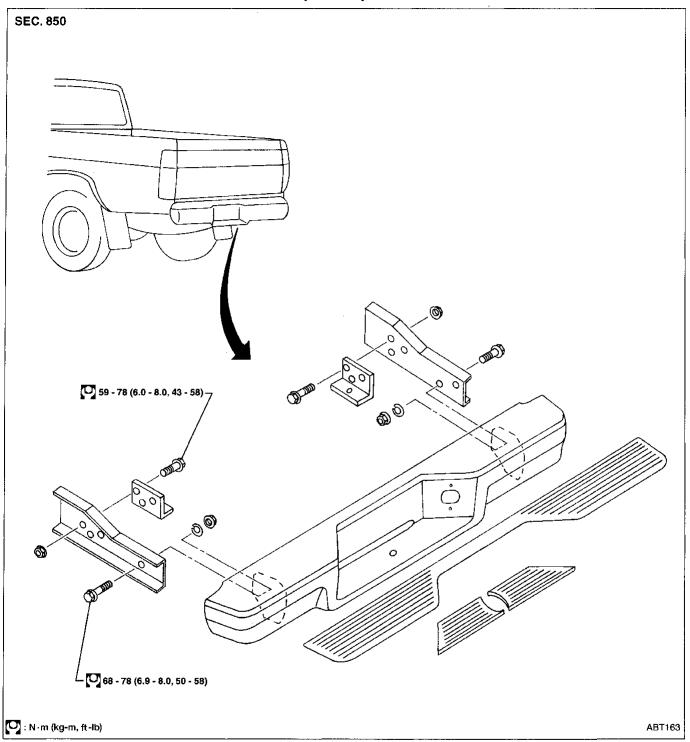
: N·m (kg-m, ft-lb)

: Should be lubricated with grease

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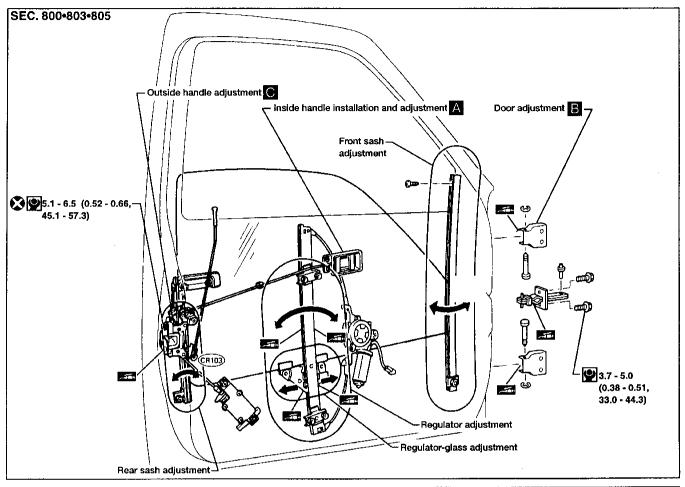
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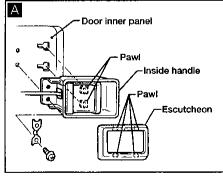
## Step Bumper

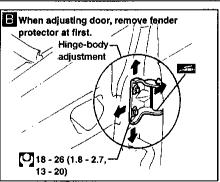


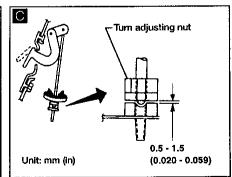
#### **Front Door**

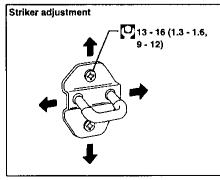
- For removal of door trim, refer to "INTERIOR TRIM", BT-13.
- After adjusting door lock, check door lock operation.











: N·m (kg-m, in-lb) : N·m (kg-m, ft-lb)

: Should be lubricated with grease

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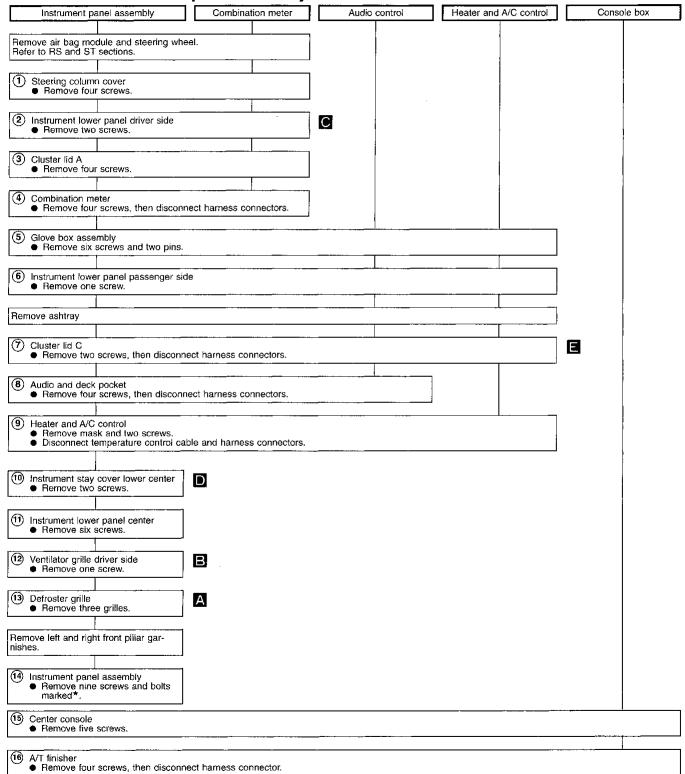
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#### **CAUTION:**

- Disconnect both terminals from battery in advance.
- Disconnect air bag module connector in advance.
- Be careful not to scratch finishers and other parts.
- Never tamper with or force air bag lid open, as this may adversely affect air bag performance.

#### REMOVAL — instrument panel assembly



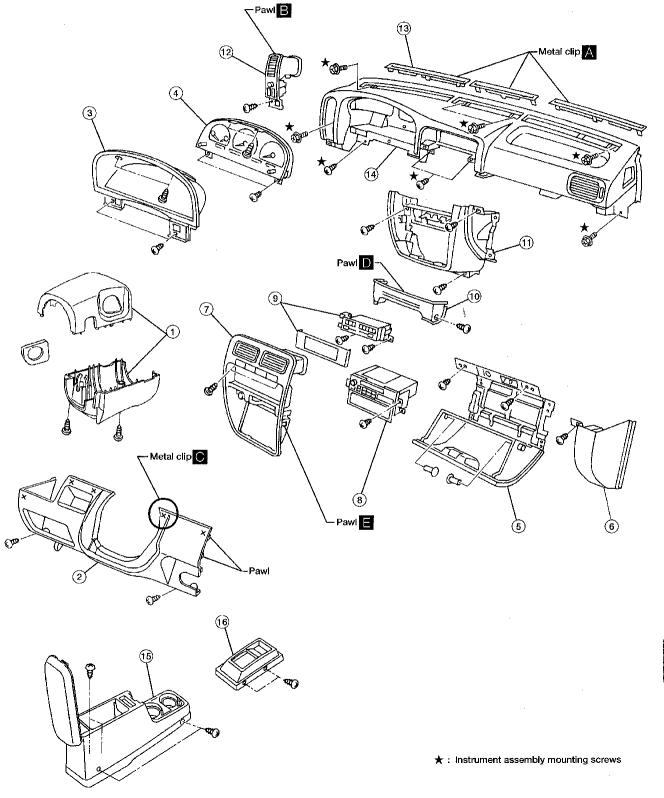
#### INSTALLATION

Reverse the procedures described above.

Pay attention so as not to scratch the parts (plastic). During installation, fit the ducting parts exactly.

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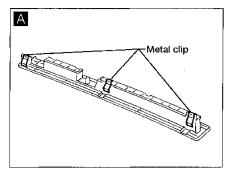
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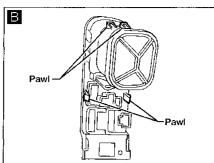
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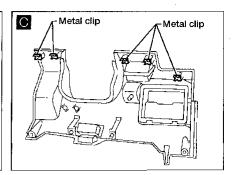
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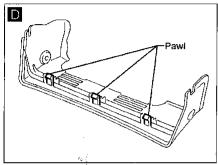
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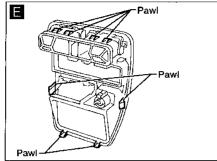
## **INSTRUMENT PANEL**









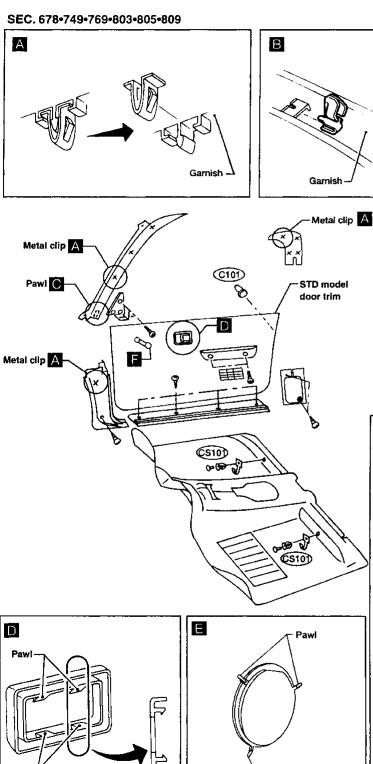


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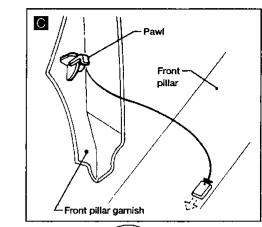
### Side and Floor Trim — Passenger room

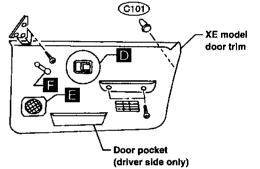
- Wrap the tip of flat-bladed screwdriver with a cloth when removing metal clips from garnish.
- When handling interior or exterior parts, do not use excessive force and take care not to damage them.

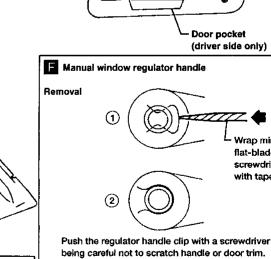
#### Regular Cab

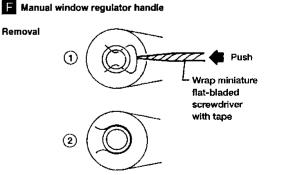














being careful not to scratch handle or door trim. Then remove the regulator handle from the regulator shaft.

#### Installation

Before installing, the regulator handle clip as shown in figure (1).

Push the regulator handle onto the regulator shaft. Install the regulator handle in place as shown in the figure with the window completely closed.

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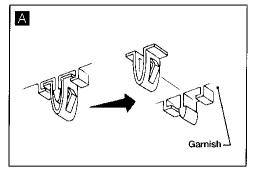
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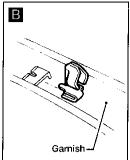
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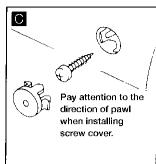
## Side and Floor Trim — Passenger room (Cont'd)

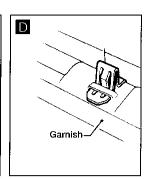
#### King Cab

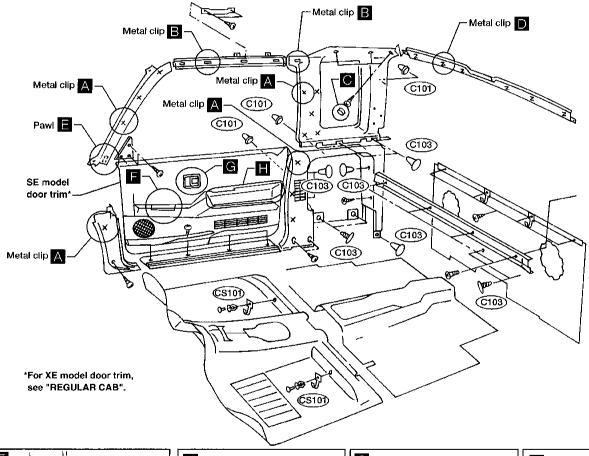
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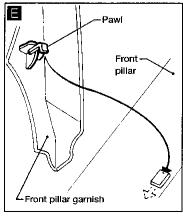


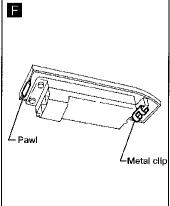


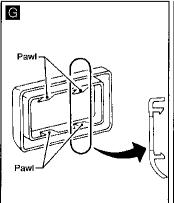


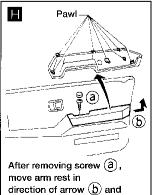












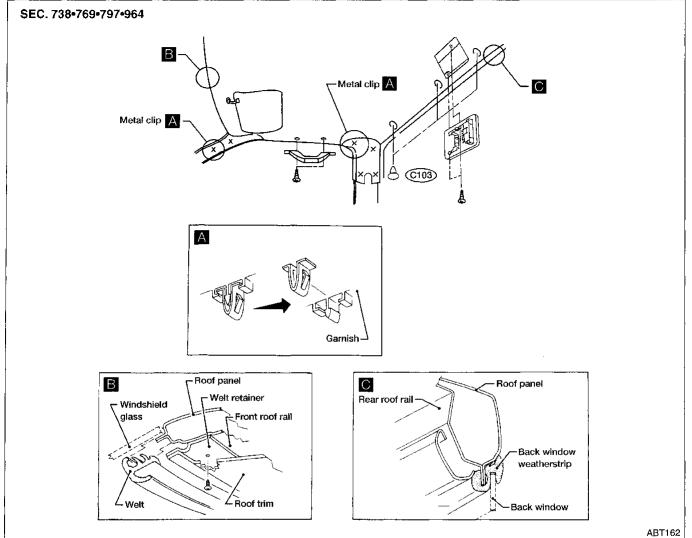
remove it.

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#### **INTERIOR TRIM**

#### **Roof Trim**

#### Regular Cab



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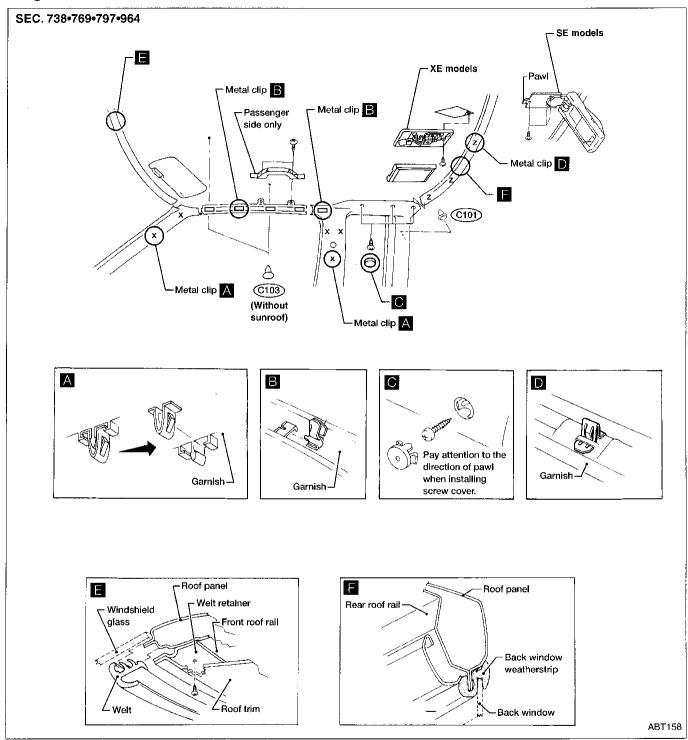
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#### **INTERIOR TRIM**

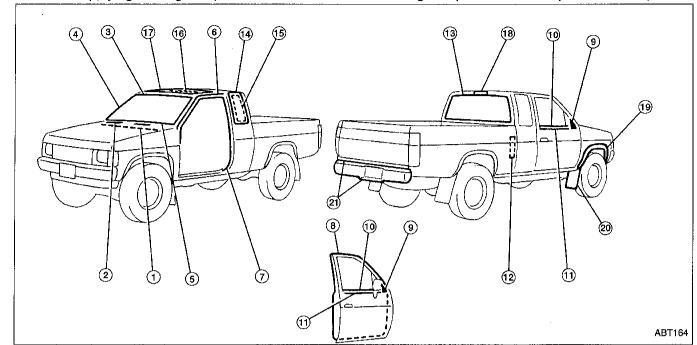
## Roof Trim (Cont'd)

#### King Cab



#### **EXTERIOR**

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



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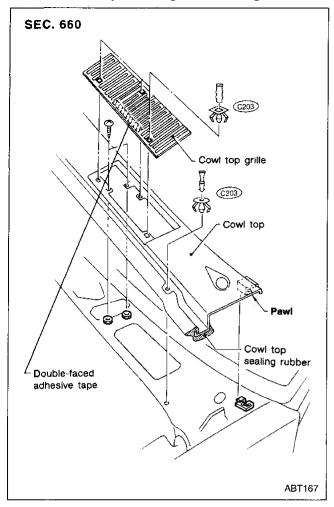
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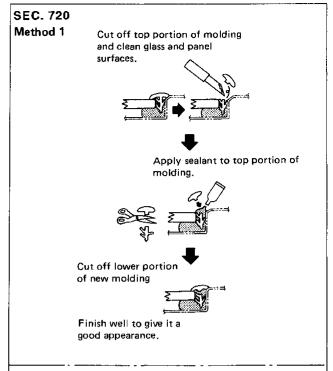
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#### 1) 2) Cowl top sealing rubber & grille

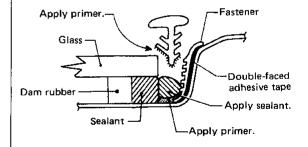


#### **3 Windshield upper molding**



#### Method 2

- 1. Cut off sealant at glass end.
- 2. Clean the side on which panel was mounted.
- Set molding fastener and apply sealant & primer to body panel, and apply primer to molding.

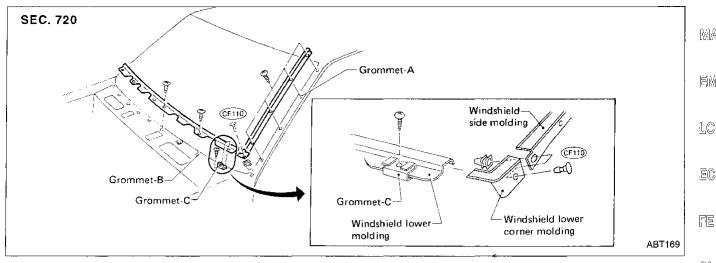


 Install molding by aligning the molding mark located on center with vehicle center.

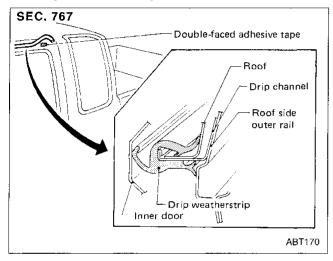
Be sure to install tightly so that there is no gap around the corner.

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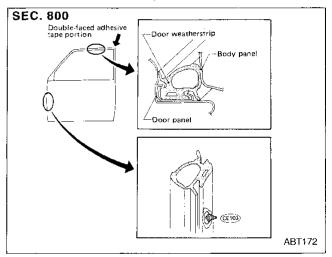
#### 4 5 Windshield side & lower molding



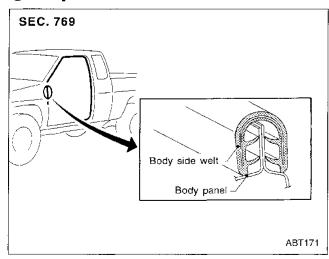
#### **6** Drip weatherstrip



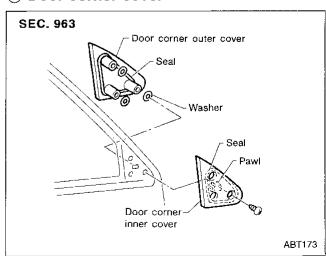
#### **8** Door weatherstrip



#### 7 Body side welt



#### 9 Door corner cover



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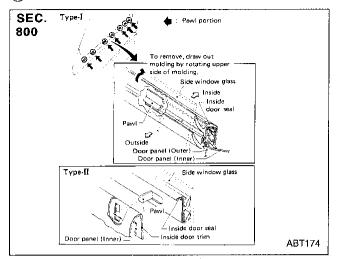
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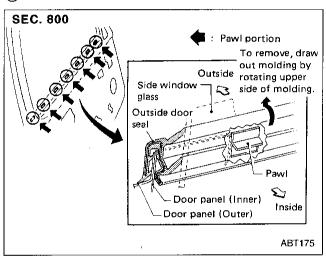
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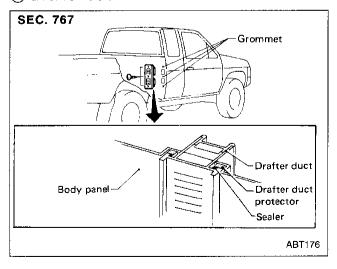
#### 10 Door waist inner seal



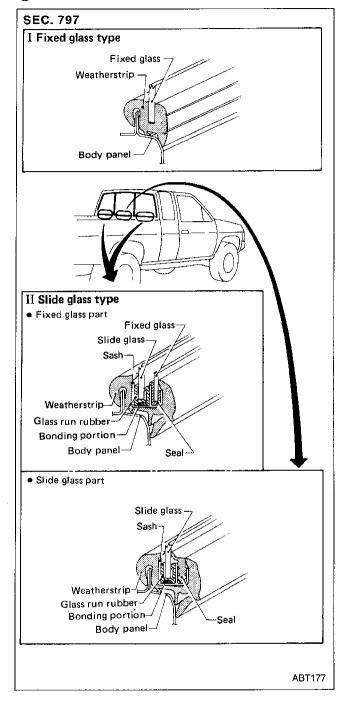
#### 11 Door waist outer seal



#### 12 Drafter duct

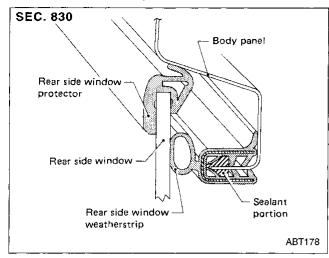


#### (13) Back window

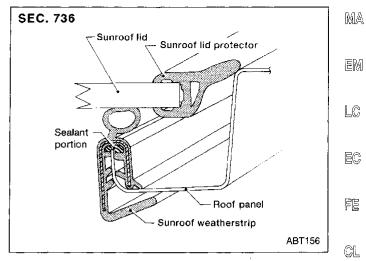


#### **EXTERIOR**

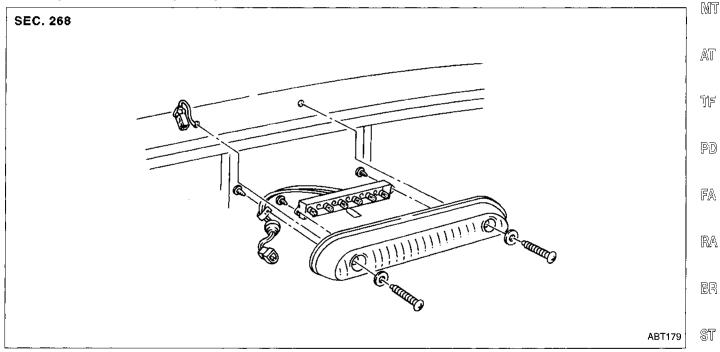
## (19) (15) Rear side window weatherstrip and rear side window protector



## (16) (17) Sunroof weatherstrip and lid protector



#### (18) High-mounted stop lamp



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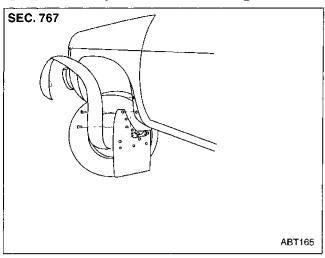
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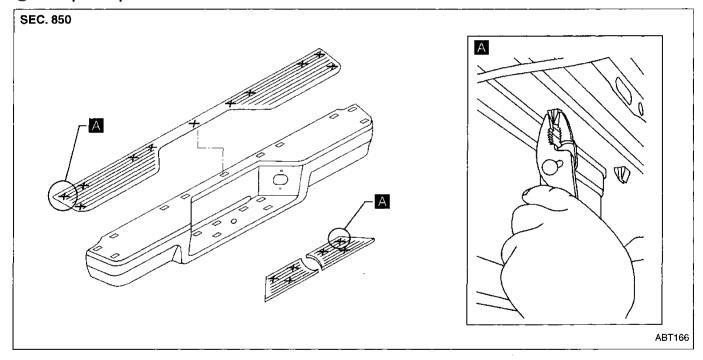
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## (9) 20) Fender protector and mudguard



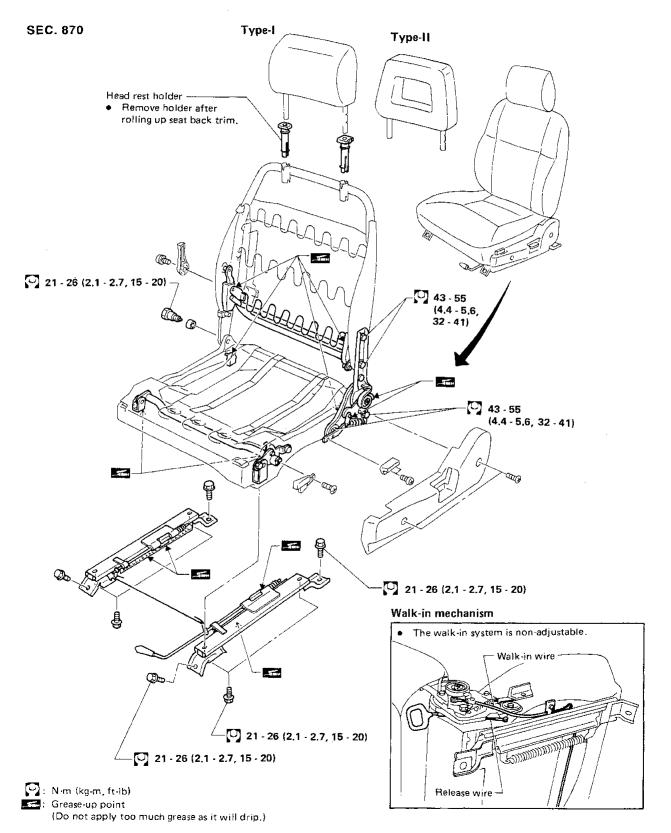
#### 21 Step bumper cover



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

#### **Front Seat**

#### **BUCKET SEAT**



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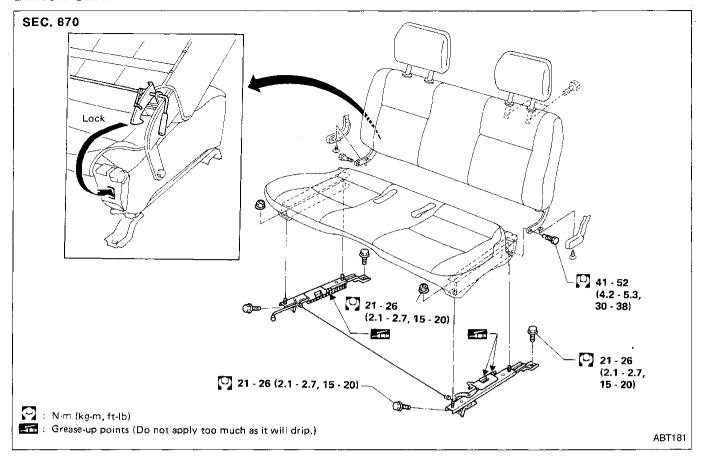
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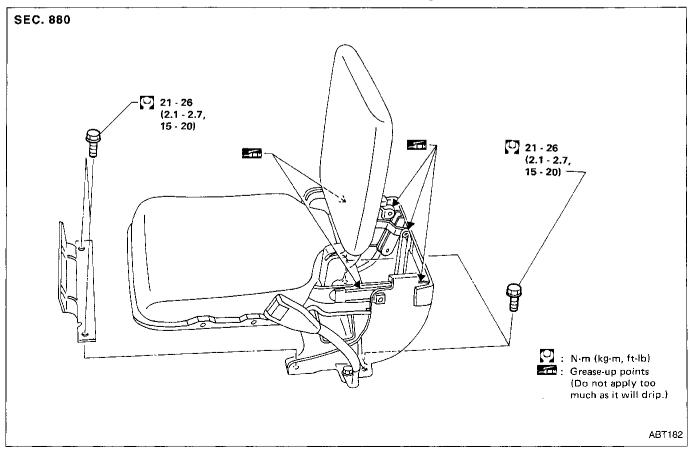
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#### **BENCH SEAT**

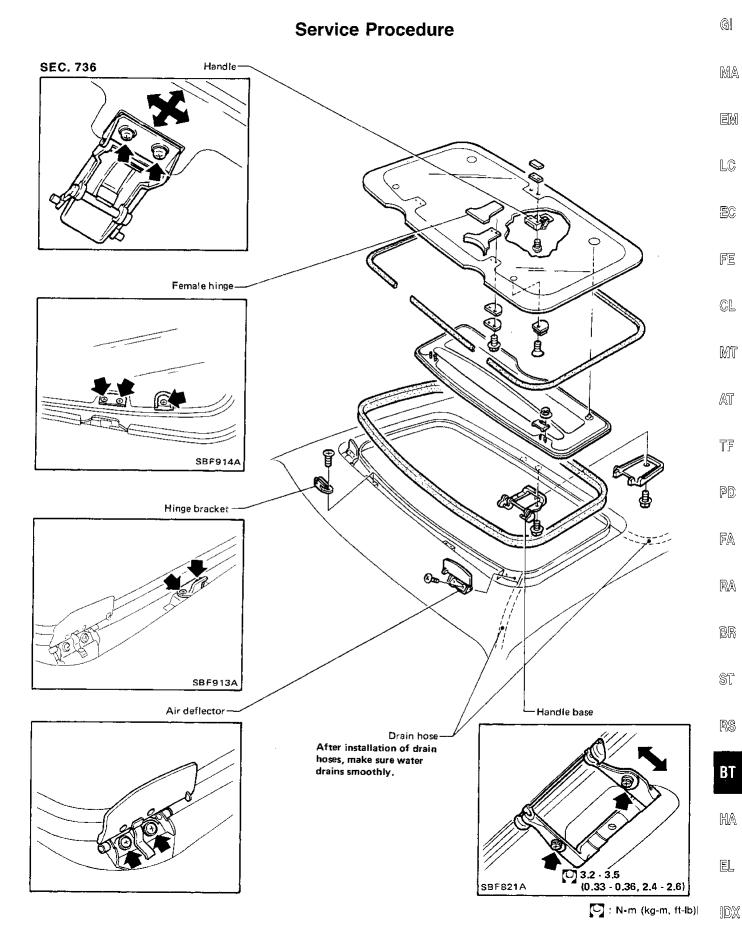
## Front Seat (Cont'd)



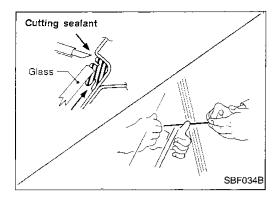
## Jump Seat — King Cab Model

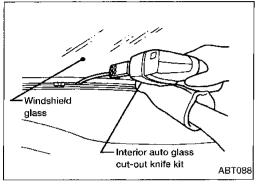


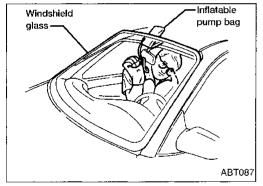
## SUNROOF



#### WINDSHIELD AND WINDOWS







#### **REMOVAL**

After removing moldings, remove glass using piano wire or power cutting tool and an inflatable pump bag.

#### CAUTION:

Be careful not to scratch glass when removing.

#### INSTALLATION

- Use genuine Nissan Sealant kit or equivalent. Follow instructions furnished with it.
- After installation, the vehicle should remain stationary until the sealant hardens.

#### WARNING:

Keep heat and open flames away as primers are flammable.

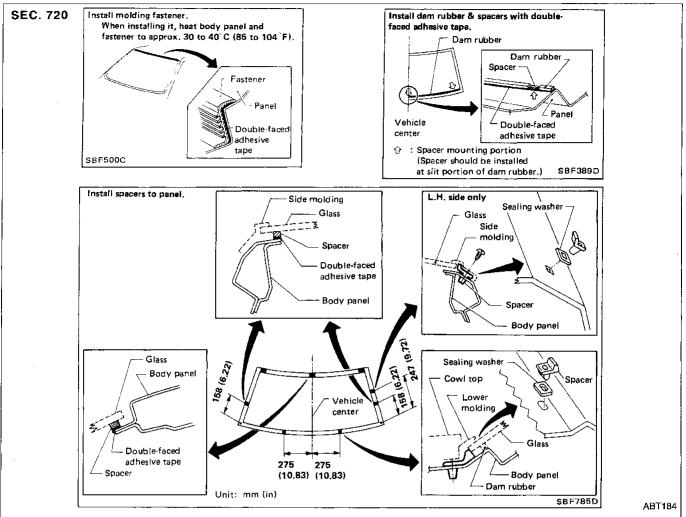
#### CAUTION:

Advise the user not to drive the vehicle on rough roads or surfaces for 24 hours after installation.

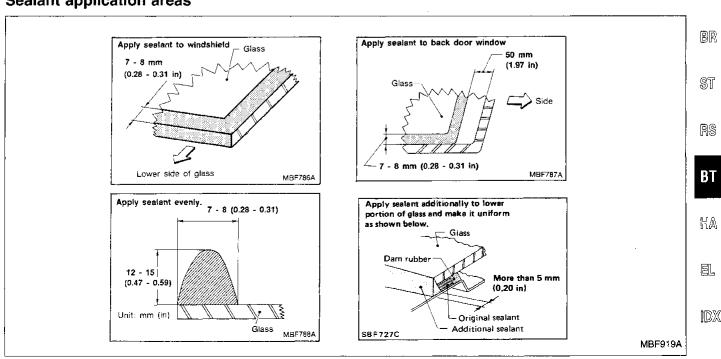
- Do not use sealant which is past its usable term.
- Do not leave cartridge unattended with its cap open.
- Keep primers and sealant in a cool, dry place. Ideally, they should be stored in a refrigerator.
  - Molding must be installed securely so that it is in position and leaves no gap.

#### Windshield

#### **Body side**



#### Sealant application areas



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#### WINDSHIELD AND WINDOWS

#### Windshield (Cont'd)

#### REPAIRING WATER LEAKS FOR WINDSHIELD

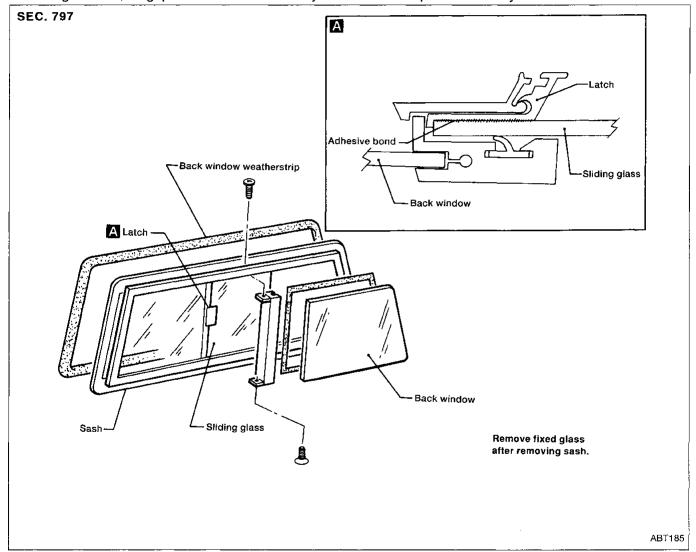
Leaks can be repaired without removing and reinstalling glass.

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

To stop the leak, apply primer (if necessary) and then sealant to the leak point.

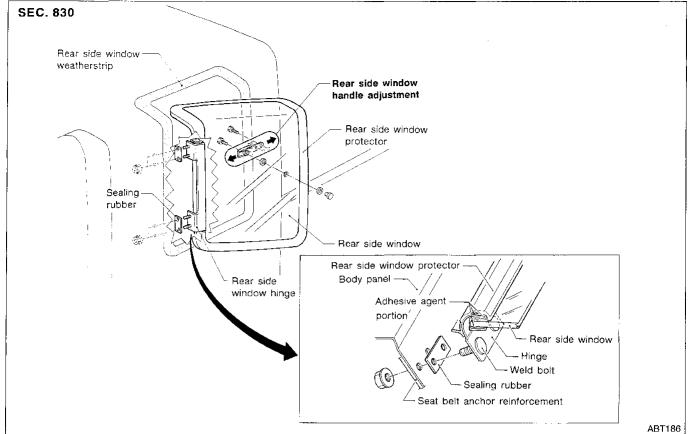
#### **Back Window**

- Window glass is held in place by weatherstripping. For details regarding weatherstrip, refer to "EXTERIOR", BT-17.
- Using sealant, fill gaps between vehicle body and weatherstrip as necessary.



### **WINDSHIELD AND WINDOWS**

#### **Rear Side Window**



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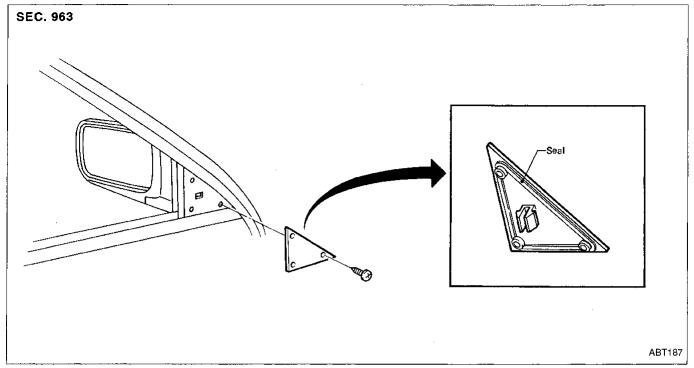
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### **Door Mirror**

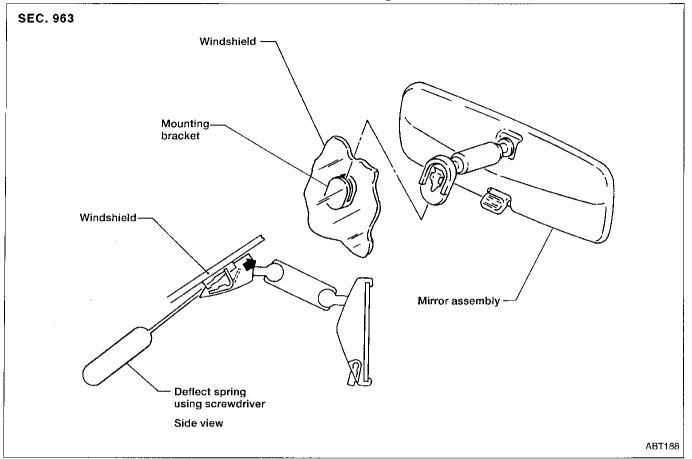


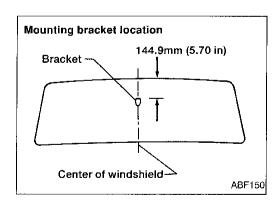
★ For Wiring Diagram, refer to "MIRROR" in EL section.

## **Rearview Mirror**

#### **REMOVAL**

Remove rearview mirror by pushing deflect spring with screwdriver as shown in the figure.





#### **INSTALLATION**

Install mounting bracket as follows:

Determine mounting bracket position on windshield by measuring from top of windshield to top of mounting bracket as shown in the figure.

Mark location on outside of windshield with wax pencil or b. equivalent.

Clean attaching point on inside of windshield with an alcoholsaturated paper towel.

Sand bonding surface of mounting bracket with sandpaper d. (No. 320 or No. 360).

Clean bonding surface of mounting bracket with an alcoholsaturated paper towel.

f. Apply Loctite Adhesive 11067-2 or equivalent to bonding surface of mounting bracket.

Install mounting bracket at premarked position and press mounting bracket against glass for 30 to 60 seconds.

After five minutes, wipe off excess adhesive with an alcoholmoistened paper towel.

Install rearview mirror. 2.

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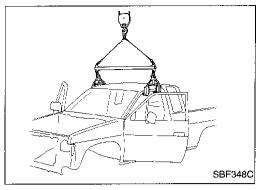
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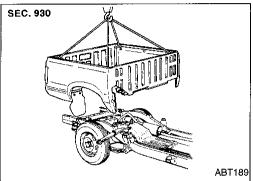
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#### Removal

#### **CAB BODY**

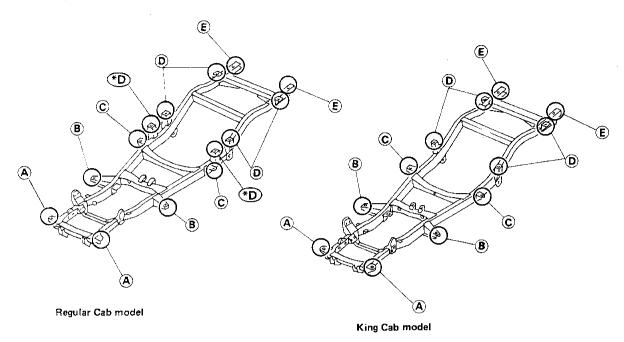
- Remove the following parts in engine compartment at least.
- (1) Main harness and other wiring harnesses
- Disconnect brake and clutch line in engine compartment.
- Remove the following parts from underbody at least.
   Transmission and transfer control levers
- (2) Parking brake control lever and cables
- (3) Main harness and other wiring harnesses

#### **REAR BODY**

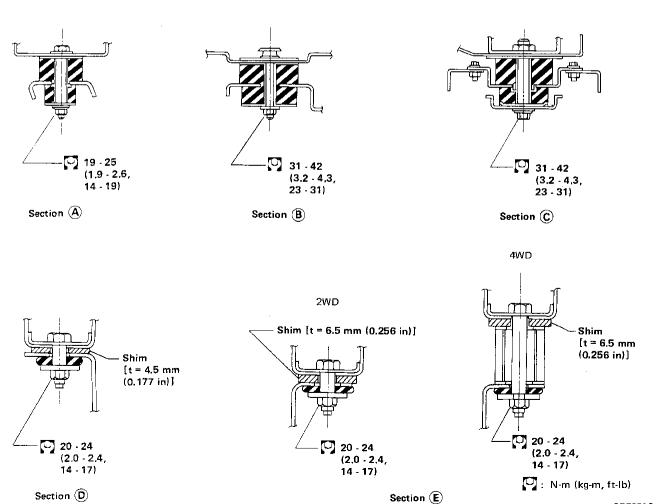
- Remove the following parts at least.
- (1) Rear combination lamp and license plate lamp harness
- (2) Fuel filler tube fixing screws

#### **Body Mounting**

When removing, be sure to replace bolts and nuts (sealant applied bolts or self-lock nuts are used for all mounting).



\*D: Except for short wheelbase model (This bracket is not used for body mounting.)



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#### **BODY ALIGNMENT**

- All dimensions indicated in figures are actual ones.
- When using a tracking gauge, adjust both pointers to equal length. Make sure there is no free play.
- When a measuring tape is used, check to be sure there is no elongation, twisting or bending.
- Measurements should be taken at the center of the mounting holes.
- All measurements and mounting hole diameters are expressed in millimeters (mm).
- An asterisk (\*) following the value at the measuring point indicates that the measuring point on the other side is symmetrically the same value.
- The coordinates of the measurement points are the distances measured from the respective dimension lines in the directions of "x", "y" and "z".

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

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

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

: 2WD 2W

4W : 4WD

SB : Short wheelbase

LB : Long wheelbase

R : Regular Cab

K : King Cab 2W.SB

: Short wheelbase (2WD)

2W.LB

: Long wheelbase (2WD)

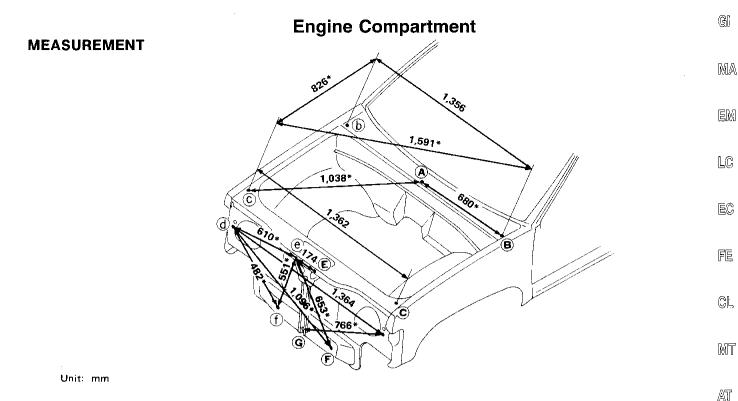
4W.SB

: Short wheelbase (4WD)

4W.LB

: Long wheelbase (4WD)

#### **BODY ALIGNMENT**



**DETAILED MEASUREMENT POINTS** Unit: mm Cowl top center Upper radiator core support Upper radiator core support Vehicle  $\odot$ 9 x 12 8 dia. (M6) Lower radiator core support, center Cowl top side Side radiator core support M. Hood hinge **(0)** Front 18 dia. fender **∠** (**G**) 12 dia. 10 dia. (M8) 8 dia. (M8)

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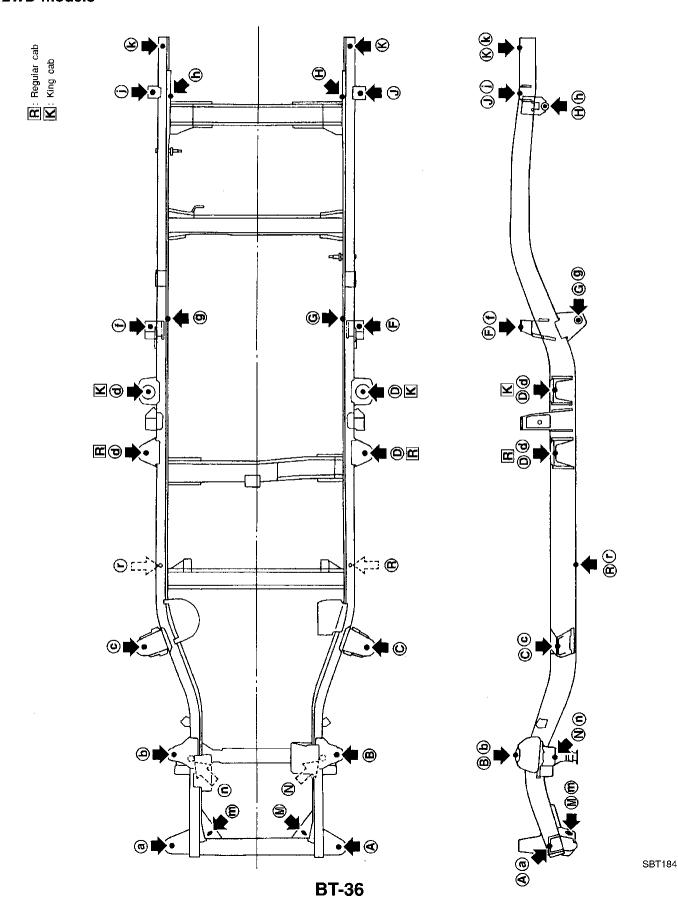
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## **Underbody**

## MEASUREMENT POINTS 2WD models



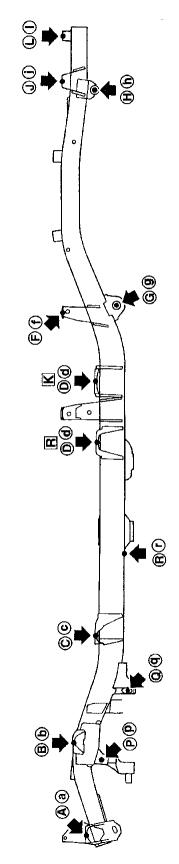
## **Underbody (Cont'd)**

#### **MEASUREMENT POINTS**

#### 4WD models

Regular cab King cab  $\ominus$ 压工 **4** 9 **⊚ ⊻**⊕∎ ▮⊚⊻ **□ □ □** ⊕⊑;\* (<u>†</u>∷ @ ⊚▮ :: **(3 ©** []

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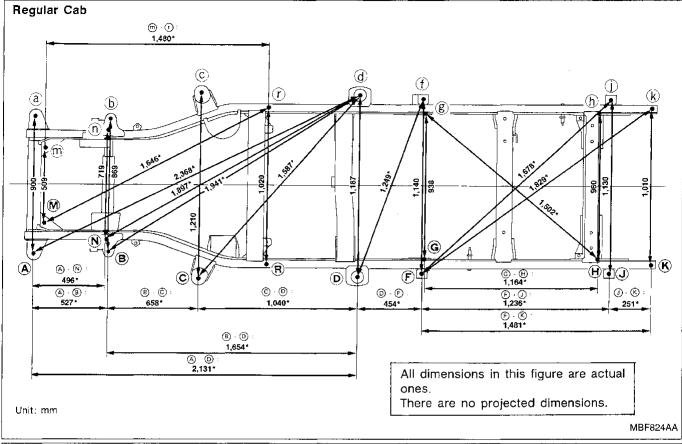
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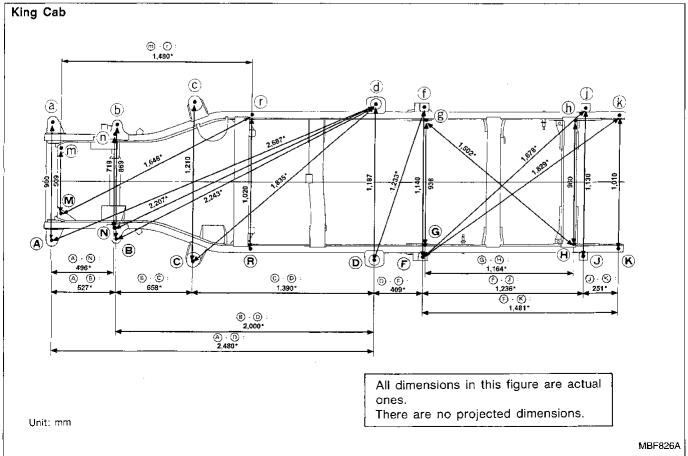
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#### **MEASUREMENT**

## Underbody (Cont'd)

#### 2WD models

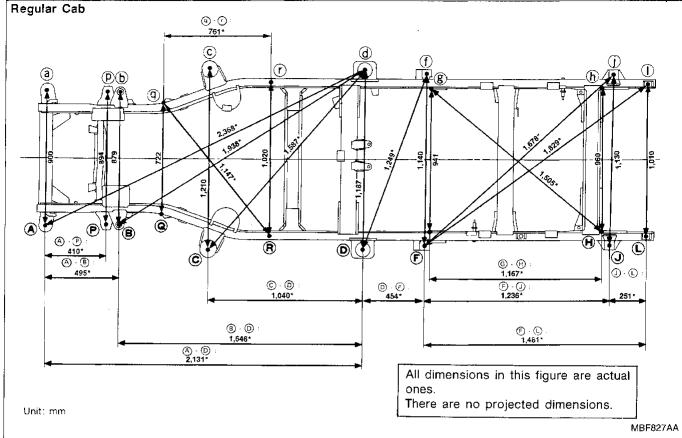


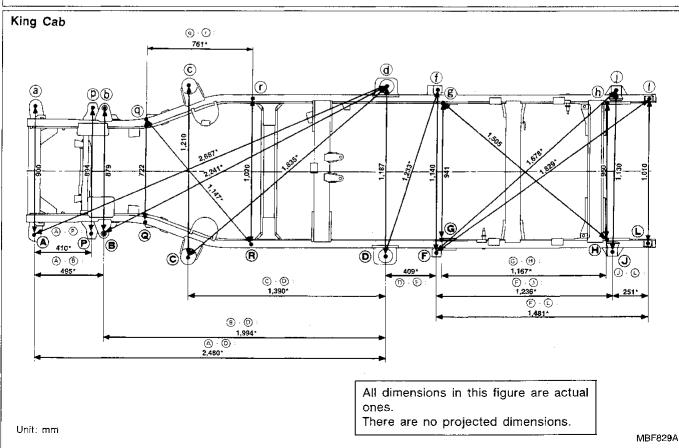


#### **BODY ALIGNMENT**

## Underbody (Cont'd)

#### 4WD models





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## BODY ALIGNMENT Underbody (Cont'd)

## **DETAILED MEASUREMENT POINTS**

Points	Hole dia.	Detailed points		Coordinates mm		
	mm			"x"	"y"	"z"
(A) (a)	24			450.0	-488.5	2W: 21.2 4W: 71.2
© ©	28		Cab body or rear body	605.0	597.5	2W: -28.2 4W: 21.8
(D) (d)	85		mounting insu- lator mounting hole	593.5	R: 1,637.0 K: 1,987.0	2W: -15.0 4W: 35.0
<b>(F) (f)</b>	18			570.0	SB: 2,050.0 LB: 2,350.0	2W: 171.8 4W: 221.8
<b>①</b> ①	18		Cab body or rear body mounting insu-	565.0	SB: 3,286.0 LB: 3,586.0	2W 171.8 4W 221.8
Û (1)	22		lator mounting	505.0	SB: 3,530.0 LB: 3,830.0	220.0
<b>B b</b>	2W : 15 15 4W : 15.3	2WD B 4WD B SBF668C	Hole for front shock absorber mounting at the bracket	2W: 434.7 4W: 439.7	2W : 5.6 4W : 1.4	2W]: 203.2 4W]: 142.0
<b>© 9</b>	12	Front mounting bracket  Inner side   SBF795G	Hole for rear spring front mounting at the bracket	2W : 469.0 4W : 470.5	2W.SB: 2,059.0 2W.LB: 2,359.0 4W.SB: 2,080.0 4W.LB: 2,380.0	2W: -152.0 4W: -86.0

#### **BODY ALIGNMENT**

#### Underbody (Cont'd) **G**[ Coordinates mm Hole dia. Points Detailed points mm "x" "у" "z" MA Front Rear mounting bracket $\mathbb{E}\mathbb{M}$ 2W.SB 3,209.0 Hole for rear 2W.LB 2W LC 3,509.0 30.0 spring rear **H h** 33 480.0 4W : mounting at 4W.SB the bracket 3,240.0 43.0 EC 4W.LB 3,540.0 FE SBF796G ŒL. MT Hole for body SB : 3,530.0 mounting at (K) (k) 22 505.0 170.0 rear of side LB : AT member outer 3,830.0 TIF -Side member outer SBF797G PD Tension rod bracket FA Hole for tension rod (M) (m) 27 254.6 **-417.1** -92.3 RA mounting at the bracket BR SBF798G ST RS Hole for locating at bound $\mathbb{N}$ 9 359.5 -23.5 -3.2 bumper bracket KA Bumper rubber SBF799G

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# BODY ALIGNMENT Underbody (Cont'd)

	Hole dia.			C	coordinates m	ım
Points	mm	Detailed points		"x"	"y"	"z"
P P	10.5	SBF800G	Hole for rebound bumper mounting at lower link bracket	447.0	-88.0	-14.9
<b>© </b>	27	Compression rod bracket  Front	Hole for com- pression rod mounting at the bracket	361.1	294.5	-158.9
® (r)	13	Side member outer  R (r)  SBF802G	Hole for wax- ing at lower side of side member outer	510.0	1,040.0	-135.0