# **BODY & TRIM**

# SECTION BT

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★ For seat belt, refer to MA and RS sections.

★ For wiring diagrams of body electrical systems, refer to EL section.

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#### **PRECAUTIONS**

#### **Service Notice**

- When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratches.
- Handle trim, molding, instruments, grille, etc. carefully during removing 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" and "SEAT BELT PRE-TENSIONER"

The Supplemental Restraint System "Air Bag" and "Seat Belt Pre-tensioner", used along with a seat belt, help to reduce the risk or severity of injury to the driver and front passenger in a frontal collision. The Supplemental Restraint System consists of air bag modules (located in the center of the steering wheel and on the instrument panel on the passenger side), seat belt pre-tensioners, a diagnosis sensor unit, warning lamp, wiring harness and spiral cable. Information necessary to service the system safely is included in the **RS section** of this Service Manual.

#### **WARNING:**

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- 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 INFINITI 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.

## **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.

Removal: Rem	Symbol No.	Shapes	Removal & Installation	Gl
SBF302H  SBF302H  SBF307H  Removal: Rem			Remove by bending up with flat-bladed screwdrivers or	
Removal: Rem		SBF302H	SBE367BA	
Removal: Remove with a clip remover.  SBF303H  SBF303H  SBF303H  SBF303H  SBF303H  Removal:  Clip ST  ST  Clip ST  Finisher  SBF330C  SBF3			ODI 307 DA	EC
Removal: Rem				75
SBF303H  SBF303H  SBF303H  SBF423H  Removal:  RA  Clip-A  Clip-B (Grommet)  Sealing washers  Removal:  Clip-B Sealing washers  Clip-B Sealing washers  Clip-B Sealing washers  Clip-B Sealing washers	©103		Removal:	ΔT
Finisher  Removal:  Screwdriver Clip Finisher  Removal:  Removal:  Removal:  SEF638C  Removal:  Flat-bladed screwdriver Finisher  Finisher  Clip-B (Grommet) Washer  Sealing washers  Removal:  Flat-bladed screwdriver Finisher  Finisher  Clip-B Sealing washers  DX			Remove with a clip remover.	PD)
Screwdriver  Clip-A  Clip-B (Grommet)  Sealing washers  Screwdriver  Flat-bladed screwdriver  Finisher  Clip-B (Grommet)  Sealing washers  Flat-bladed screwdriver  Finisher  Flat-bladed screwdriver		SBF303H	SBF423H	FA.
MBF518B  SBF638C  Removal: Flat-bladed screwdriver Finisher  Clip-A  Clip-B (Grommet)  Sealing washer  Clip-B Sealing washer  Flat-bladed screwdriver Finisher  Flat-bladed screwdriver				RA
MBF518B  SBF638C  Clip-A  Removal: Flat-bladed screwdriver Finisher  Clip-B (Grommet) Sealing washer  Clip-B Sealing washers  BI  Clip-B Sealing washers	G205		Screwariver	BR
Clip-A  Clip-B (Grommet)  Sealing washer  Clip-B Sealing washers  Clip-B Sealing washers  Clip-B Sealing washers			/	ST
Clip-B (Grommet)  Sealing washer  Clip-B (Grommet)  Sealing washer  Sealing washers  BT  Flat-bladed screwdriver  Finisher  Finisher  Clip-B  Sealing washers		MBF518B	SBF638C	RS
Clip-B (Grommet)  Sealing washer  Clip-B (Grommet)  Page 1		Clip-A	— Flat-bladed screwdriver	ВТ
Sealing washer  (Grommet)  Body Clip-B (Grommet) panel  Clip-A  Sealing washers	(F118)	Clip-B		H/A
washers [D]X	Sealing Washer Panel CI		Body / (Grommet) panel / Clip-A	
SRE161D I SRE260∆ I		SBF151D	└─ Sealing washers SBF259G	(DX

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## **GENERAL SERVICING**

## Clip and Fastener (Cont'd)

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Symbol No.	Shapes	Removal & Installation	
(S10)	SBF078B	Removal:  1. Screw out with a Phillips screwdriver.  2. Remove female portion with flat-bladed screwdriver.	
		Removal: Holder portion of clip must be spread out to remove rod.	
<b>C</b> R103			
	SBF768B	SBF770B	

#### **Body 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 locks engaging mechanism.
- Hood opener: Do not attempt to bend cable forcibly. Doing so increases effort required to unlock 

   hood.

#### **WARNING:**

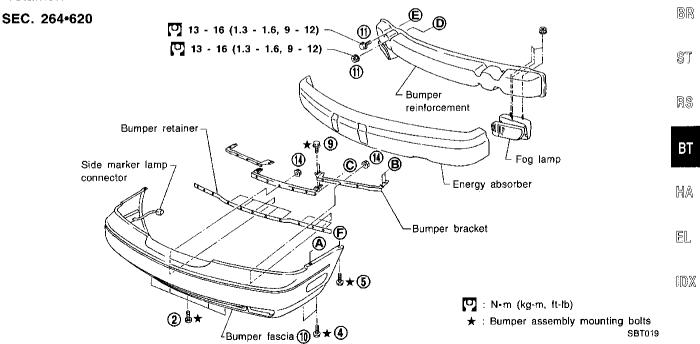
- Be careful not to scratch hood stay when installing hood. A scratched stay may cause gas leakage.
- The contents of the hood stay are under pressure. Do not take apart, puncture, apply heat or allow fire near it.

#### **CAUTION:**

Do not touch reinforcement with bare hands. Wear leather working gloves, since reinforcement surface is covered with fiberglass.

#### REMOVAL — Front bumper assembly

- (1) Remove clips (S101) securing left, right and center air guides; remove air guides.
- 2 Remove bolts securing bumper fascia to air intake grille.
- 3 Remove left and right front combination lamps.
- (4) Remove screws, bolts and clip (205) securing left and right fender protectors.
- (5) Remove screws located at wheel opening. Remove bumper fascia from fender.
- 6 Remove left and right headlamps.
- (7) Remove clips (\$101) securing radiator core splash guard (on the left side).
- 8 Remove nuts securing bumper fascia to fender.
- (9) Remove bolts securing left fender bracket, and bolts securing left headlamp stay. Similarly, remove right fender bracket and headlamp stay.
- Pull bumper fascia out. Disconnect left and right side marker lamp harness connectors.
- n Remove bolts and nuts from bumper stays and detach reinforcement.
- 12) Remove bumper stays. Remove washer tank (on the right side).
- (3) Remove air intake grille.
- Remove nuts securing bumper brackets (left, right and center); remove bumper brackets and bumper retainer.



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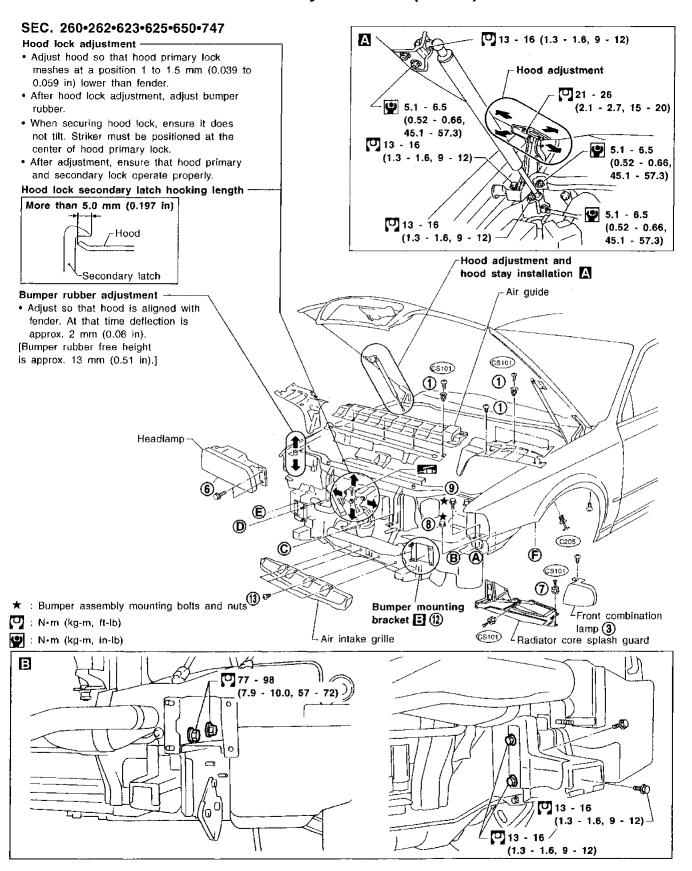
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## **Body Front End (Cont'd)**



#### **Body Rear End and Opener**

- Trunk lid adjustment: Adjust at hinge-trunk lid portion for proper trunk lid fit.
- Trunk lid lock system adjustment: Adjust striker so that it is in the center of the lock. After adjustment, check trunk lid lock operation.
- Opener cable: Do not attempt to bend cable using excessive force.
- After installation, make sure that trunk lid and fuel filler lid open smoothly.

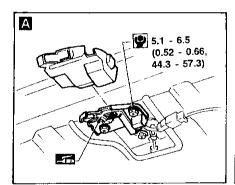
#### **CAUTION:**

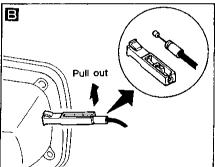
Do not touch reinforcement with bare hands. Wear leather working gloves, since reinforcement surface is covered with fiberglass.

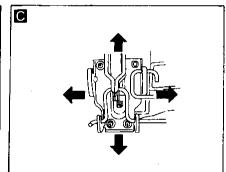
★ For Wiring Diagram, refer to "TRUNK LID AND FUEL FILLER LID OPENER" in EL section.

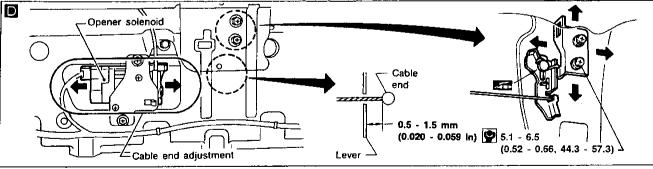
#### REMOVAL — Rear bumper assembly

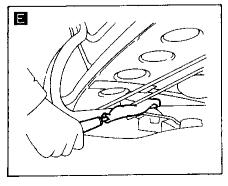
- 1) Remove license plate.
- 2 Remove bolts from lower side of rear bumper.
- ③ Remove screws from lower side of each side bumper.
- @ Remove trunk trim. Refer to "TRUNK ROOM TRIM" for details (BT-18).
- (5) Working inside trunk, remove bolts securing each bumper side to fender.
- (6) Working inside trunk, remove nuts securing each corner of bumper fascia.
- (7) Also remove nuts from center of trunk compartment.
- Remove screws securing left and right rear mudguards to bumper fascia.
- Remove screws securing wheelarch to each bumper side.
- 1 Pull bumper fascia out. Remove side marker lamp and license lamp harness connectors.
- nemove bumper stays. Working inside trunk, remove left and right plugs from floor, then remove bolts.

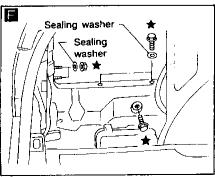












: Bumper assembly mounting bolts & nuts : N·m (kg-m, in-lb)

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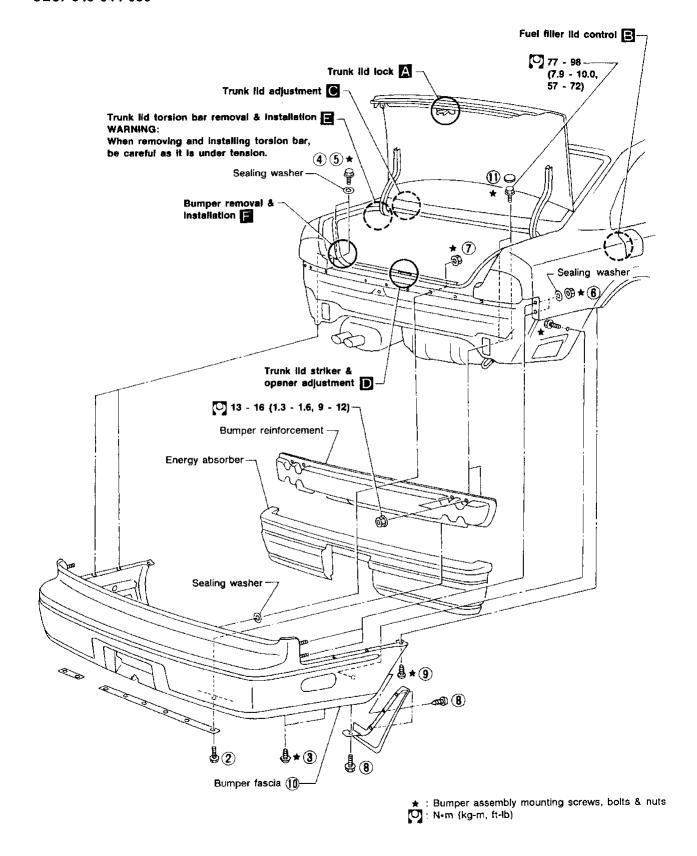
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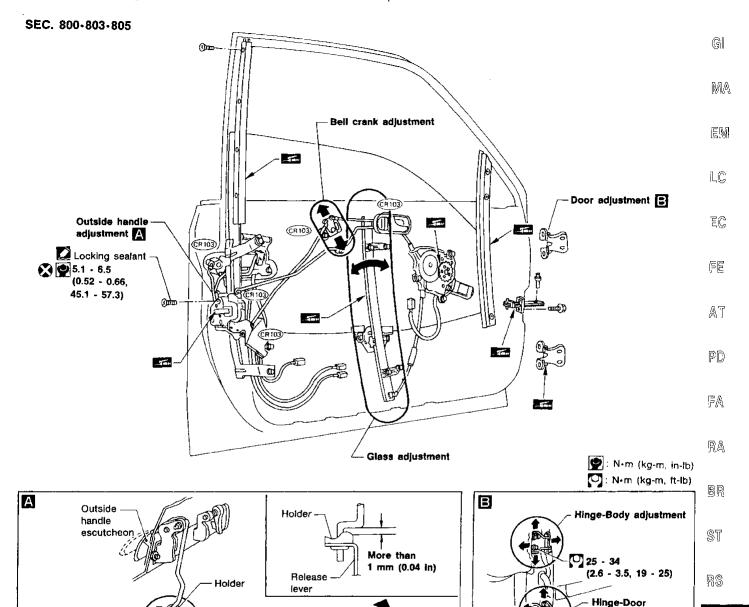
## **Body Rear End and Opener (Cont'd)**

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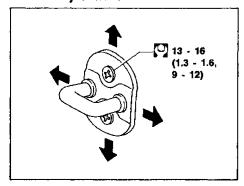


#### **Front Door**

After adjusting door or door lock, check door lock operation.



#### Striker adjustment



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adjustment

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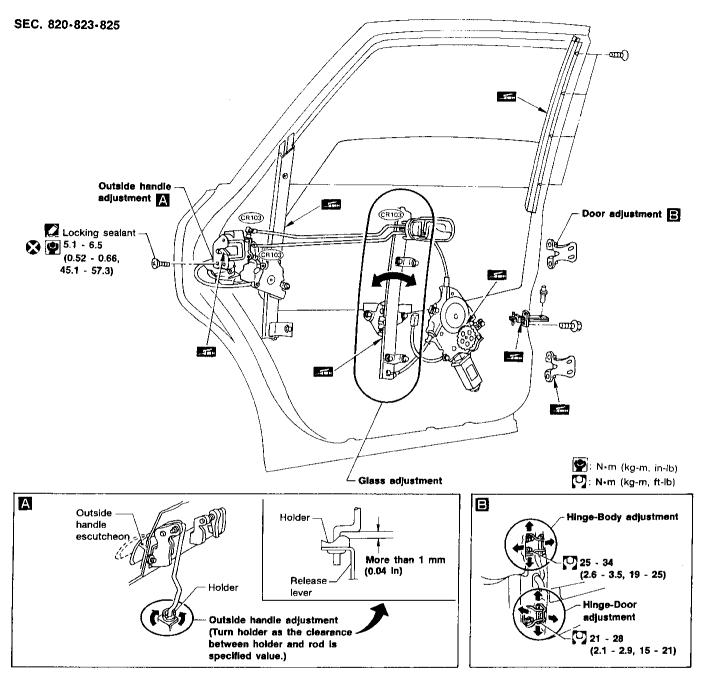
Outside handle adjustment

between holder and rod is

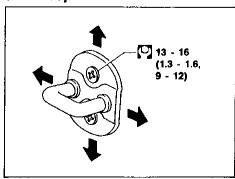
specified value.)

(Turn holder as the clearance

#### **Rear Door**



#### Striker adjustment

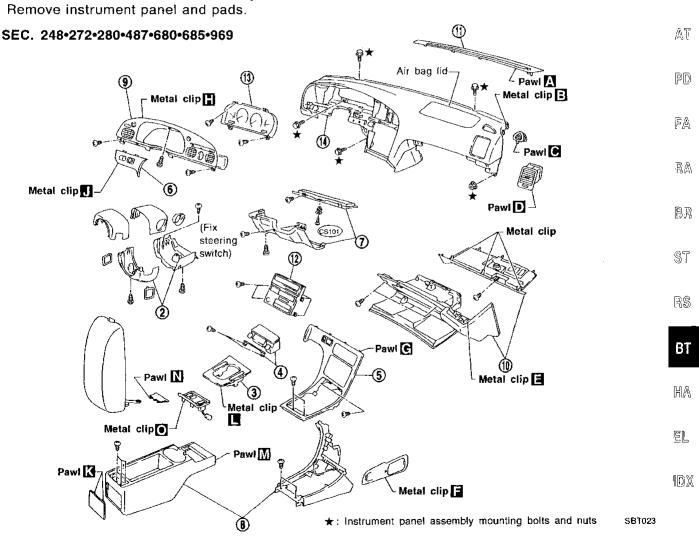


#### **CAUTION:**

- Disconnect ground terminal from battery in advance.
- Disconnect air bag system line in advance.
- Never tamper with or force air bag lid open, as this may adversely affect air bag performance.
- Be careful not to scratch pad and other parts.

#### REMOVAL — Instrument panel assembly

- (1) Remove steering wheel. Disengage air bag system in advance.
- 2) Remove steering column cover.
- 3 Remove A/T finisher.
- 4 Remove ash tray assembly.
- (5) Remove cluster lid C.
- (6) Remove cluster lid D.
- (7) Remove lower instrument cover on driver side.
- Remove front floor console assembly and rear floor console assembly.
- (9) Remove cluster lid A.
- Remove glove box assembly and lower instrument cover on passenger side.
- (f) Remove defroster grille.
- (2) Remove radio and A/C or heater control.
- (3) Remove combination meter assembly.
- Remove instrument panel and pads.



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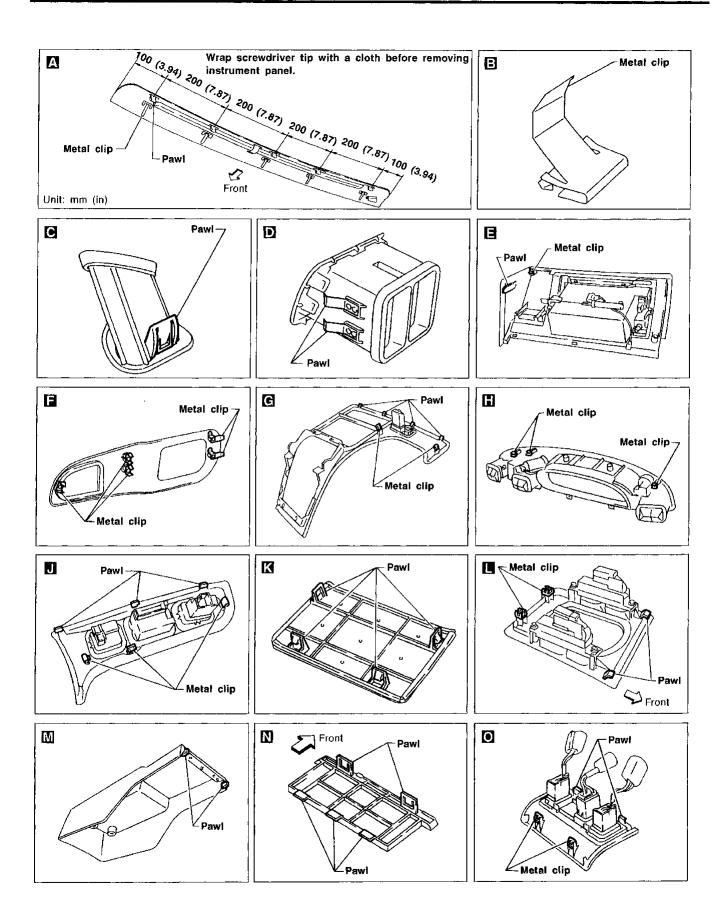
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#### SIDE AND FLOOR TRIM — Passenger room

#### **CAUTION:**

- Be sure to remove front, center and rear pillar garnishes by pulling them straight out. Use a long flat-bladed screwdriver when removing metal clips from rear pillar garnish (A).
- Wrap the tip of flat-bladed screwdriver with a cloth when removing metal clips from garnishes.

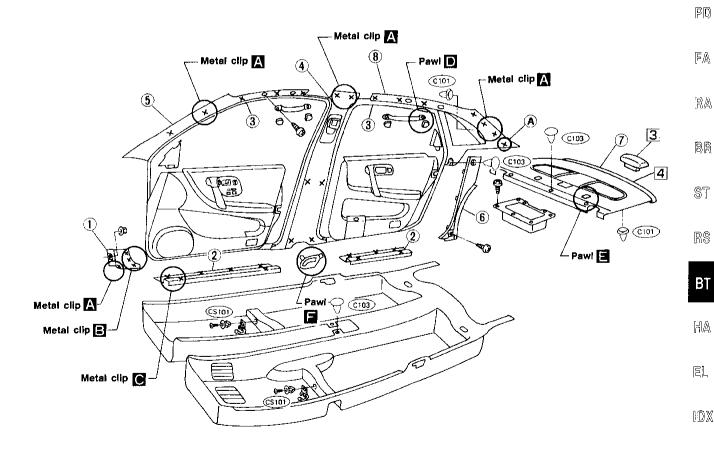
#### REMOVAL — Body side trim

- 1 Remove dash side finisher.
- 2 Remove front and rear kicking plates.
- 3 Remove front and rear body side welts.
- 4 Remove center pillar garnish.
- (5) Remove front pillar garnish.
- (6) Remove rear wheelhouse garnish.
- ⑦ Remove rear parcel shelf.
- 8 Remove rear pillar finisher.

#### REMOVAL — Rear parcel shelf finisher

- Remove rear seat cushion. Refer to "SEAT" for details (BT-25).
- 2 Remove rear seatback. Refer to "SEAT" for details (BT-25).
- 3 Remove high-mount stop lamp assembly. (Not equipped with rear air spoiler model)
- 4 Remove rear parcel shelf finisher.

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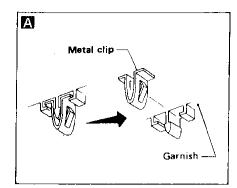
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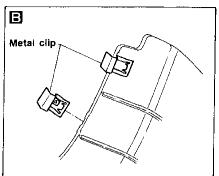
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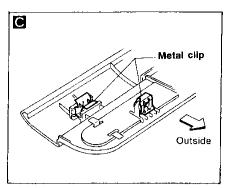
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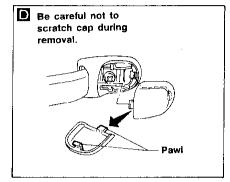
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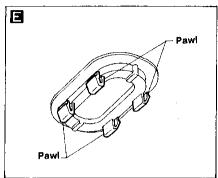
## **INTERIOR TRIM**

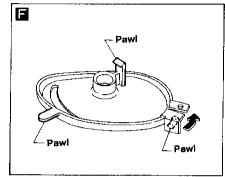












#### **ROOF TRIM**

#### **CAUTION:**

Front garnish is heavy. Always support each side of sun visor firmly when removing or installing front garnish.

#### REMOVAL — Front roof garnish

① Remove sun roof control switch assembly.

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② Remove inside mirror assembly.

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- Remove metal clip from rear of front garnish by pulling it toward rear of vehicle.
- 3 Remove front pillar garnish. Refer to "SIDE AND FLOOR TRIM Passenger room" for details (BT-13).
- 4 Remove three screws securing each sun visor.
- (5) Remove the clip (103) from each front roof garnish.
- **(6)** While pulling front roof garnish backward, remove the metal clip from roof panel. Disconnect sun visor harness connector.

#### REMOVAL — Headlining

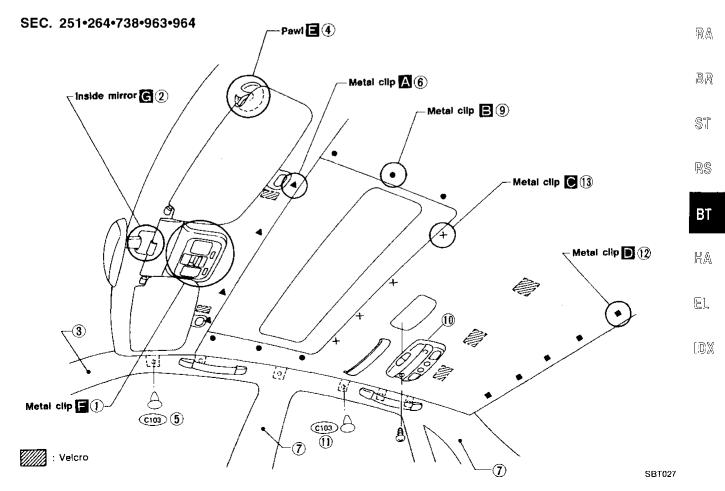
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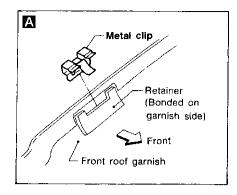
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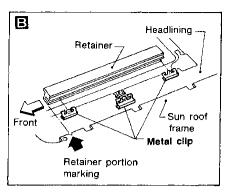
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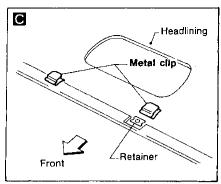
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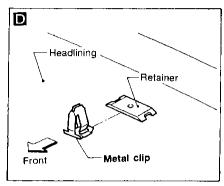
- (7) Remove body side trim. Refer to "SIDE AND FLOOR TRIM Passenger room" for details (BT-13).
- 8 Remove front roof garnish. Refer to "REMOVAL Front roof garnish" for details.
- Remove side headlining retainers from sun roof opening.
- ① Remove interior lamp assembly.
- (f) Remove clips (103) securing each side of headlining.
- Remove retainer from sun roof side.
- Remove rear metal clip by pulling it straight down.
- Remove metal clip from rear of sun roof by pulling it toward front of vehicle.
- Remove metal clips securing rear of headlining. Lower headlining.
- (3) While moving entire headlining forward, remove four metal clips at rear of sun roof opening.

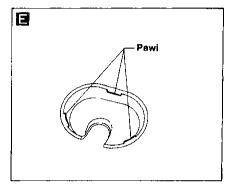


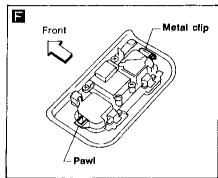


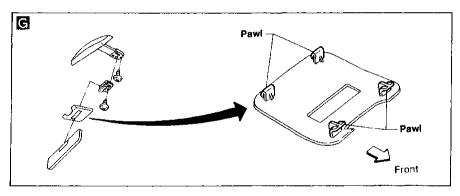










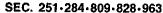


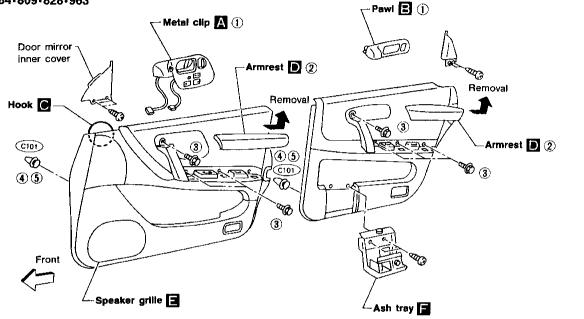
#### **DOOR TRIM**

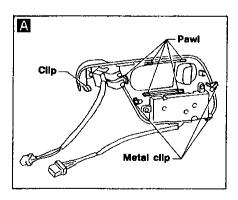
#### **REMOVAL** — Door trim

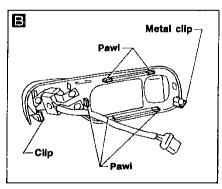
- 1 Remove inside handle escutcheon.
- 2 Remove door armrest by pulling it backward.
- 3 Remove four bolts.
- 4 Remove clips securing door finisher.
- 5 Lift out door finisher. Disconnect main and door harnesses.

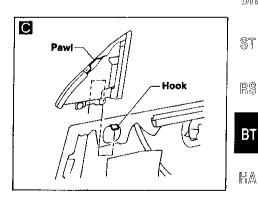
Remove ash tray before detaching rear door trim.

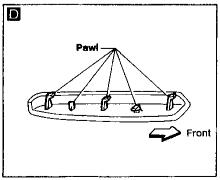


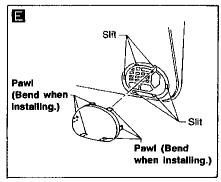


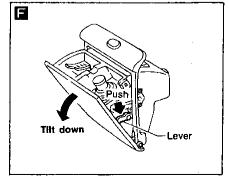












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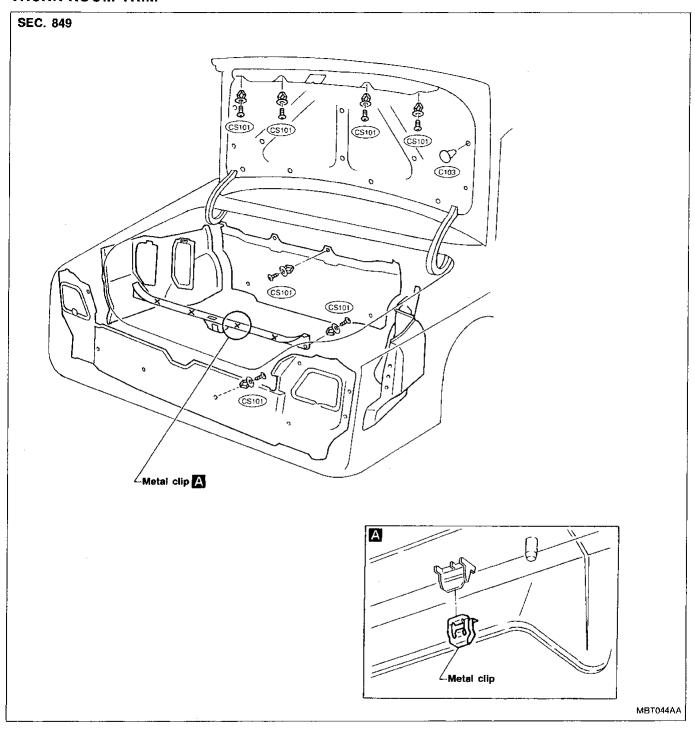
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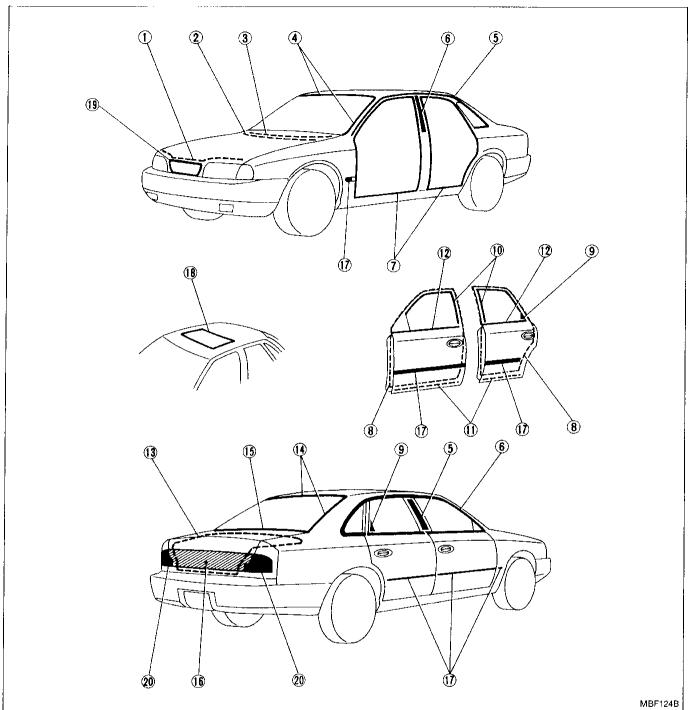
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#### **TRUNK ROOM TRIM**



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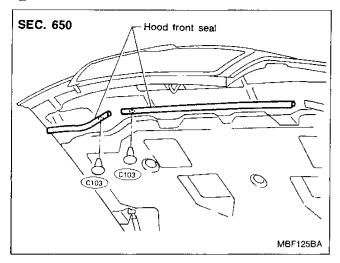
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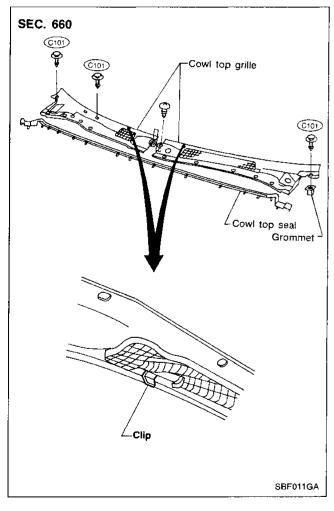
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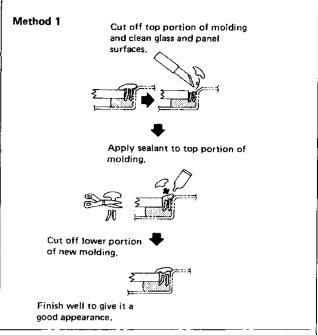
#### 1 Hood front seal



#### ② ③ Cowl top seal and cowl top grille

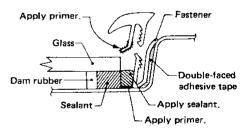


# Windshield upper molding and side molding



#### Method 2

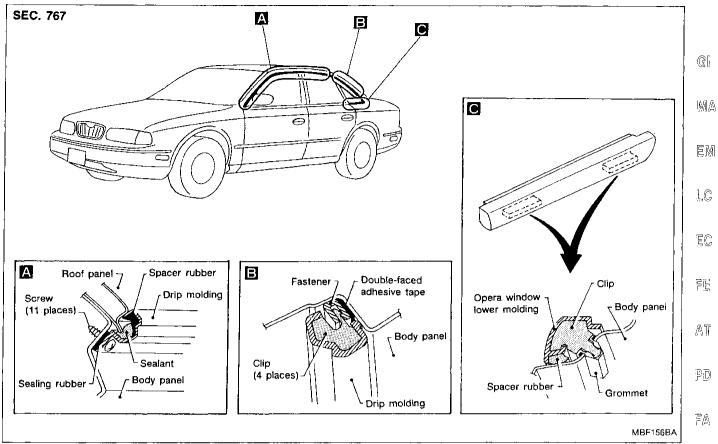
- 1. Cut off sealant at glass end.
- 2. Clean the side on which panel was mounted.
- 3. Set molding fastener and apply sealant to body panel, and apply primer to molding and body.



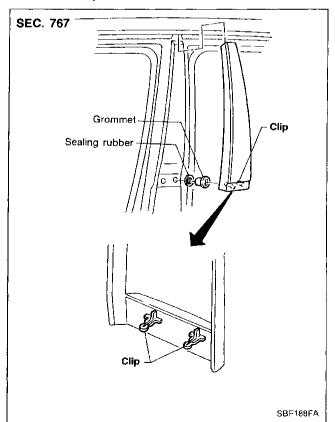
 Install molding by aligning the molding mark located on center with vehicle center.
 Be sure to install tightly so that there is no gap around the corner.

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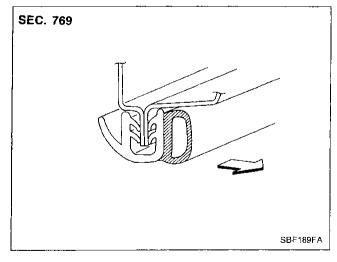
#### 5 Drip molding and opera window lower molding



## **6** Center pillar cover



## 7 Body side welt



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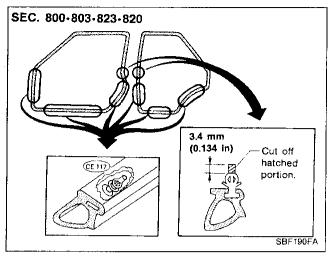
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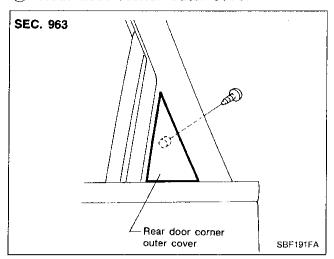
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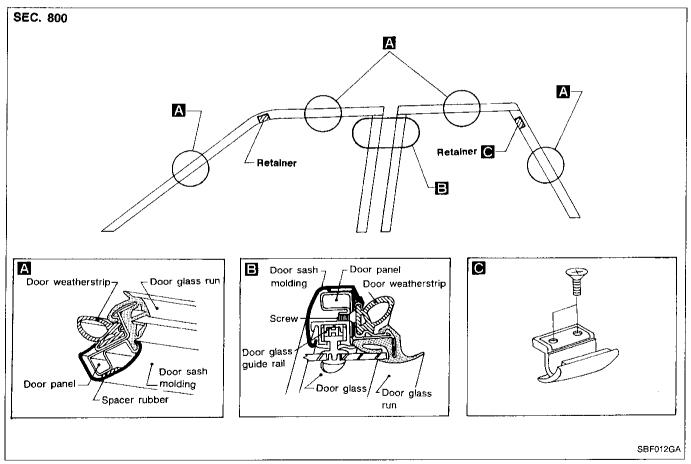
#### 8 Door weatherstrip



#### (9) Rear door corner outer cover

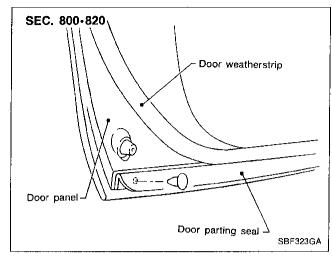


#### 10 Door sash molding

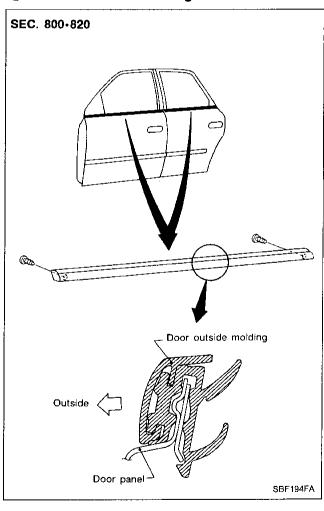


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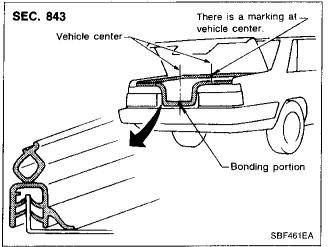
#### 10 Door parting seal



#### 12 Door outside molding



#### 13 Trunk lid weatherstrip



# Rear window upper molding and side molding

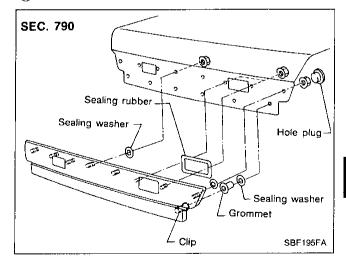
Basically the same as windshield upper molding and side molding.

Refer to 4 Windshield upper molding and side molding.

## 15 Rear window lower molding

Mounted with screws.

#### 16 Trunk lid finisher



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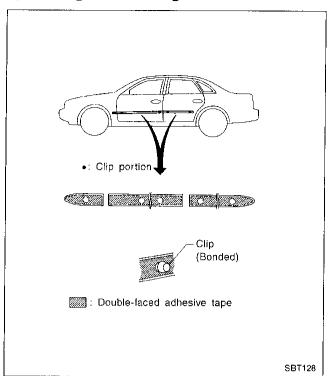
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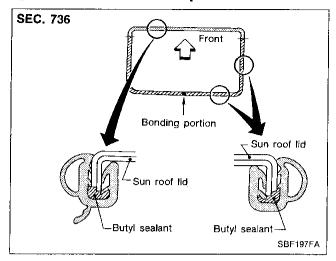
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#### Side guard molding

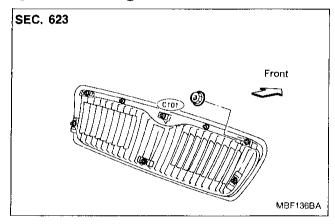


 With a vehicle coated with Hard Clear Coat, use double-faced 3M adhesive tape Product No. 4210 or equivalent, after priming with 3M primer Product No. N-200 or C-100 or equivalent.

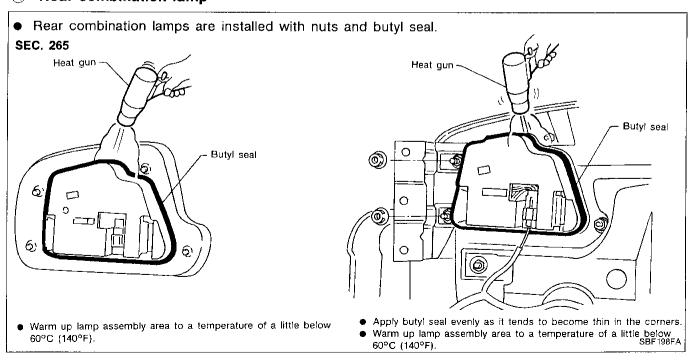
#### (18) Sun roof weatherstrip



#### (19) Front hood grille



#### 20 Rear combination lamp



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

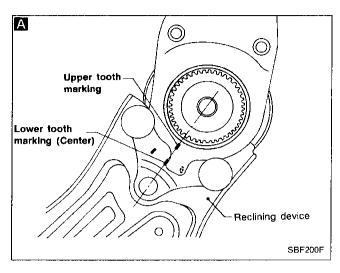
#### **Front Seat** SEC. 870 Gl MA 21 - 26 (2.1 - 2.7, 15 - 20) EM (4.4 - 5.6, 32 - 41) LC 43 - 55 21 - 26 (4.4 - 5.6, EC (2.1 - 2.7, 15 - 20) 32 - 41) Headrest motor FE Pawl AT PD A FA RA BR ST (4.4 - 5.6, 32 - 41) RS 21 - 26 (2.1 - 2.7, 15 - 20) (S 102) 21 - 26 BT (2.1 - 2.7, 15 - 20) Pawl HA Α Om\_ Pawl (4.4 - 5.6, 32 - 41) M 21 - 26 (2.1 - 2.7, 43 - 55 15 - 20) (4.4 - 5.6, 32 - 41) N·m (kg-m, ft-lb)

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## Front Seat (Cont'd)

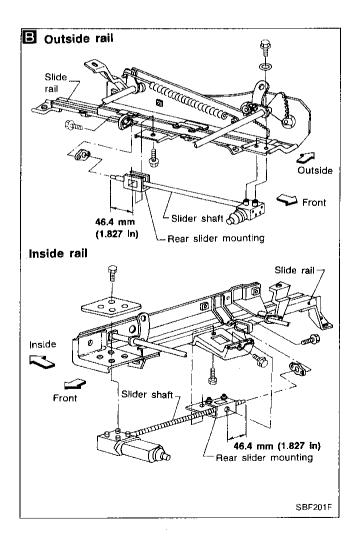
#### **POWER SEAT MOTOR INSTALLATION**

- Disconnect ground cable from battery while installing motors.
- Check that all motors function properly after installation.
- Check that trim and padding are removed from driver's seat.
- Install motors on passenger's seat side using the same procedures outlined from the driver's seat side.



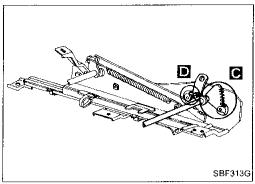
#### A Reclining motor

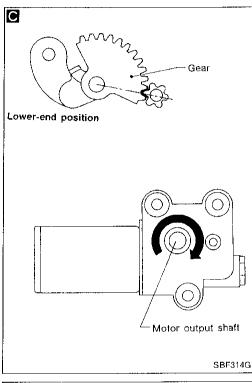
- Align upper toe mark on outside reclining device with lower toe mark on inside reclining device.
- 2. Install reclining motor.

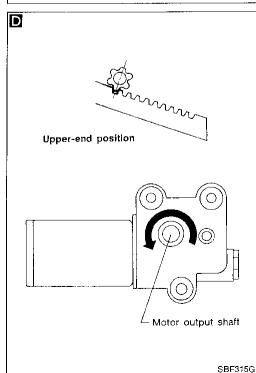


#### **B** Sliding motor

- 1. Move both inside and outside slide rails to the rear-end position. (Seat assembly is then set at the front-end position.)
- 2. Adjust distance between rear end of slider shaft and the center of rear slider mounting to 46.4 mm (1.827 in).
- 3. Install sliding assembly and sliding motor.







## Front Seat (Cont'd)

#### Front lifting motor (Driver's side only)

- 1. Set front lifter to the lower-end position.
- 2. Connect motor assembly connector to power seat harness connector. (At this point, motor assembly is not installed on seat.)
- 3. Connect power seat harness connector to main harness connector.
- 4. Connect battery ground terminal. Set power seat switch so that front lifter move in the lower direction.
- 5. Lifting motor rotates in direction shown by arrow until it stops automatically at limit switch.
- 6. Disconnect battery ground terminal. Install front lifting motor.

## Rear lifting motor (Driver's side only)

- 1. Move rear lifter to the upper-end position. (Spring will set rear lifter at this position.)
- 2. Connect motor assembly connector to power seat harness connector. (At this point, motor assembly is not installed on seat.)
- 3. Connect power seat harness connector to main harness connector.
- 4. Connect battery ground terminal. Set power seat switch so that rear lifter moves in the upper direction.
- 5. Motor rotates in direction shown by arrow and stops automatically at limit switch.
- 6. Disconnect battery ground terminal. Install front lifting motor.

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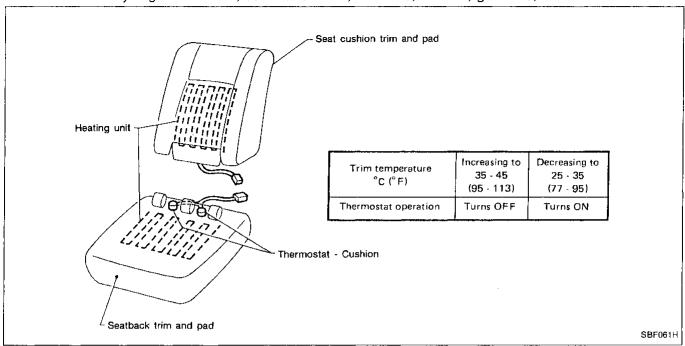
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#### **SEAT**

## Front Seat (Cont'd)

#### **HEATED SEAT**

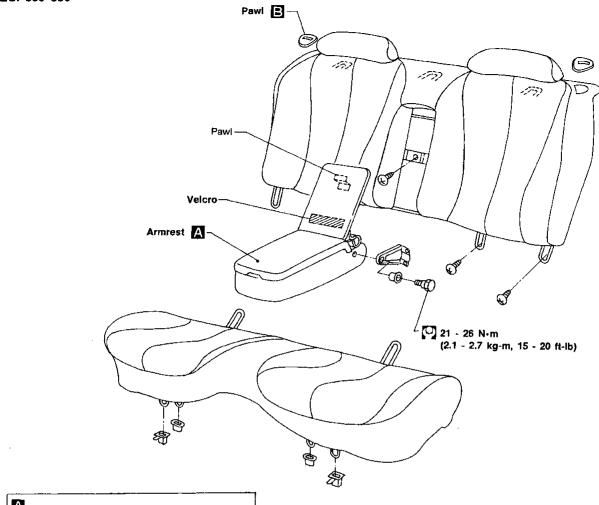
- Heating unit is fixed to seat pad with double-faced adhesive tape. When handling seat, be extremely careful not to scratch heating unit.
- To replace heating unit, seat trim and pad should be separated.
- Do not use any organic solvent, such as thinner, benzene, alcohol, gasoline, etc. to clean trims.

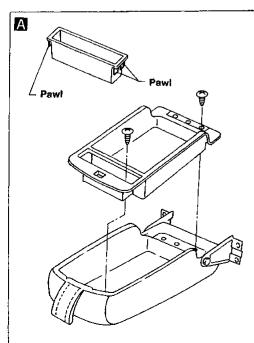


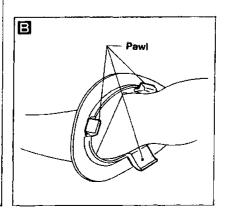
★ For Wiring Diagram, refer to "HEATED SEAT" in EL section.

## **Rear Seat**

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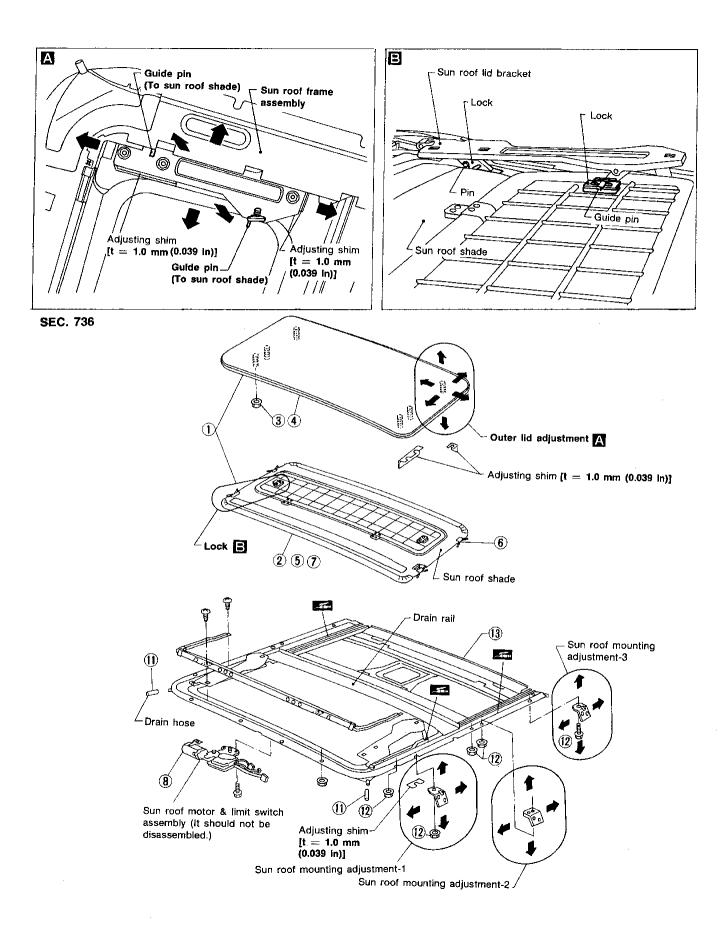
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#### **SUN ROOF**

# ★ For Wiring Diagram, refer to "ELECTRIC SUN ROOF" in EL section. After any adjustment, check sun roof operation and lid alignment. Handle finisher plate and glass lid with care so not to damage it. It is desirable for easy installation to mark each point before removal. **CAUTION:** Always work with a helper. Remove sun roof frame from rear door opening. REMOVAL — Sun roof assembly 1 Open sun roof lid to approximately 2/3 of full-open position. Remove locks and pins through clearance between sun roof lid and sun roof shade. (2) Push in sun roof shade backward so that sun roof is held closed. 3 Close sun roof lid, and remove six nuts from back of sun roof lid. 4 Lift out sun roof away from roof. (5) Pull sun roof shade forward. (6) Remove four shade locks located beside sun roof shade. (7) Remove sun roof shade. (8) Remove sun roof motor assembly. (9) Remove driver's and passenger's seats. For details, refer to "Front Seat" in "SEAT". 10 Disconnect interior lamp harness. (f) Disconnect front and rear drain hoses. (2) Remove nuts and bolts securing sun roof rails. (3) Remove sun roof rail assembly. ST RS HA

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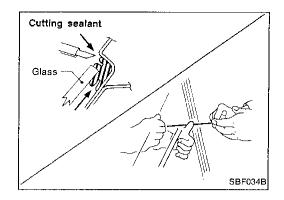
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#### **REMOVAL**

After removing moldings, remove glass.

Be careful not to scratch glass when removing.

#### INSTALLATION

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

#### **WARNING:**

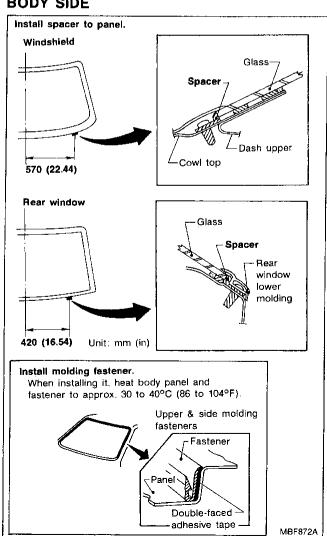
Keep heat and open flames away as primers are flammable. **CAUTION:** 

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

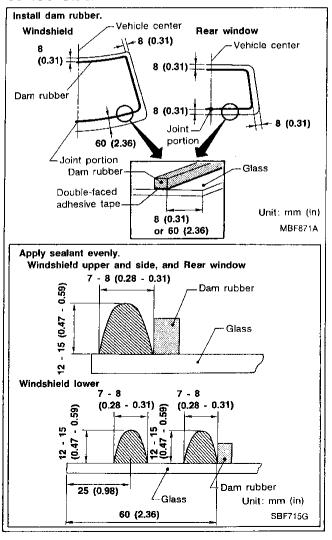
- Do not use sealant which is past its usable term.
- Do not leave cartridge unattended with its cap open.
- Keep primers and sealant in a cool, dry place. Ideally, they should be stored in a refrigerator.
- Molding must be installed securely so that it is in position and leaves no gap.

#### Windshield and Rear Window

#### **BODY SIDE**



#### **GLASS SIDE**



#### WINDSHIELD AND WINDOWS

## Windshield and Rear Window (Cont'd)

#### REPAIRING WATER LEAKS FOR WINDSHIELD AND REAR WINDOW

Leaks can be repaired without removing and reinstalling glass.

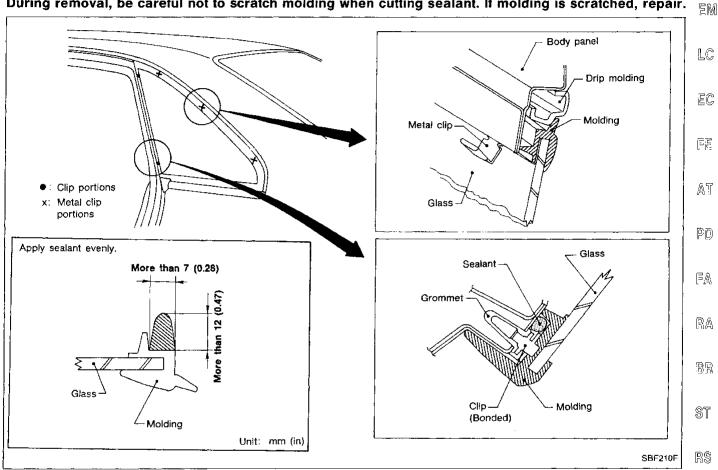
If water is leaking between caulking material and body or glass, determine the extent of the leakage. This can be determined by applying water while pushing glass outward.

To stop the leak, apply primer and then sealant to the leak point.

## **Opera Window**

#### Molded type window

During removal, be careful not to scratch molding when cutting sealant. If molding is scratched, repair.



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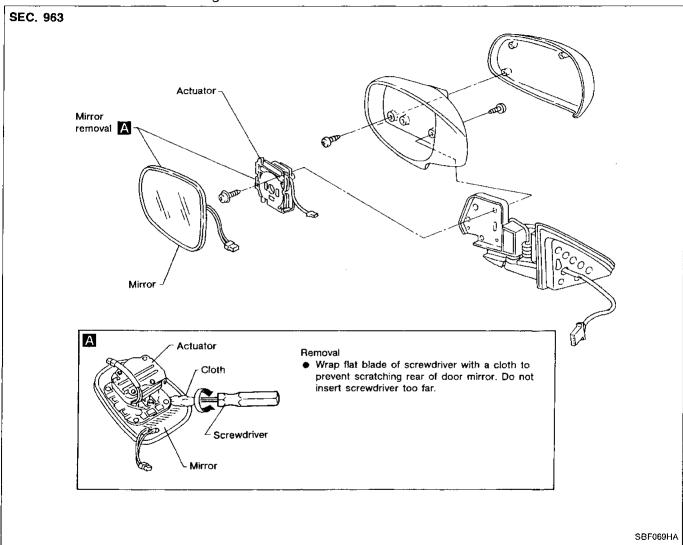
#### ★ For Wiring Diagram, refer to "POWER DOOR MIRROR" in EL section.

#### **CAUTION:**

Be careful not to scratch door rearview mirror body.

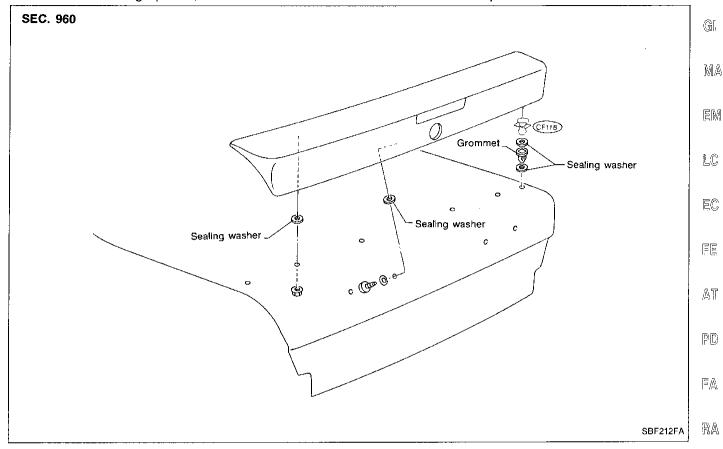
#### **REMOVAL** — Door mirror

- 1. Remove door trim. Refer to "DOOR TRIM" in "INTERIOR TRIM" for details (BT-17).
- 2. Remove inner cover front corner of door.
- 3. Disconnect door mirror harness connector.
- 4. Remove harness clips.
- 5. Remove three bolts securing door mirror.



## **Rear Air Spoiler**

- When installing, make sure that there are not gaps or waves at ends of air spoiler.
- Before installing spoiler, clean and remove oil from surface where spoiler will be mounted.



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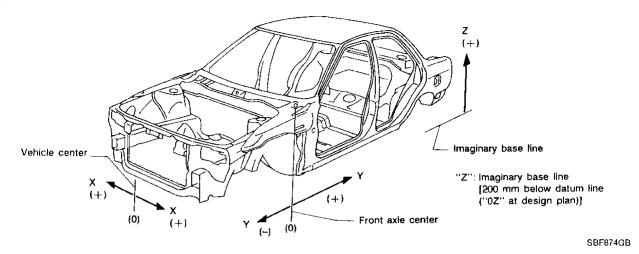
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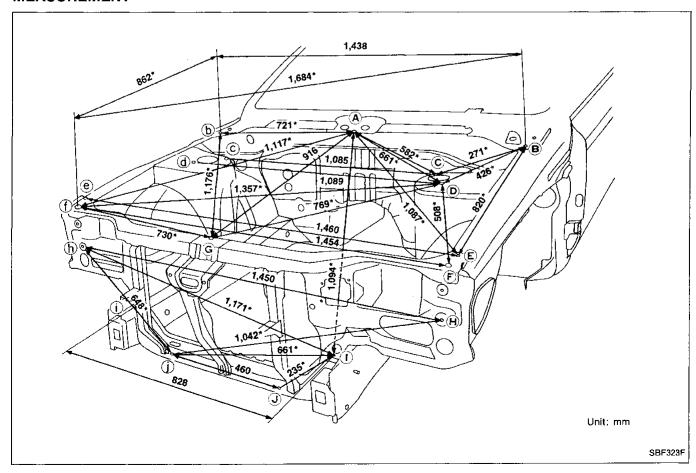
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- All dimensions indicated in figures are actual ones.
- When a tram tracking gauge is used, adjust both pointers to equal length and check the pointers and gauge itself to make sure there is no free play.
- When a measuring tape is used, check to be sure there is no elongation, twisting or bending.
- Measurements should be taken at the center of the mounting holes.
- 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 standard line of "X", "Y" and "Z".



**Engine Compartment** 

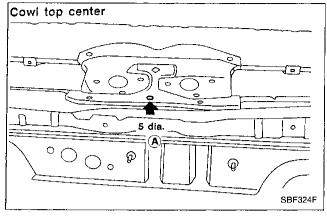
#### **MEASUREMENT**

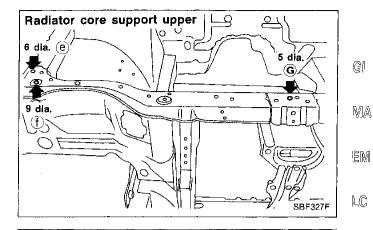


## **BODY ALIGNMENT**

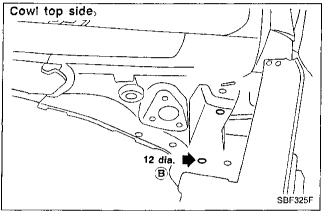
## **Engine Compartment (Cont'd)**

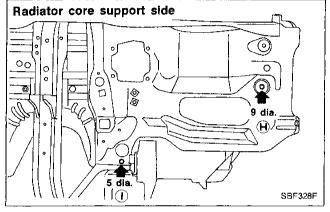
#### **MEASUREMENT POINTS**

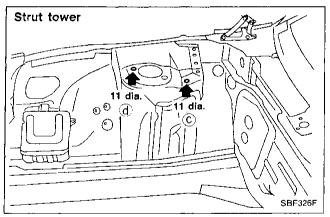


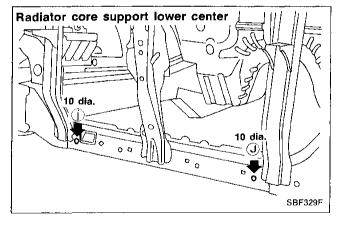


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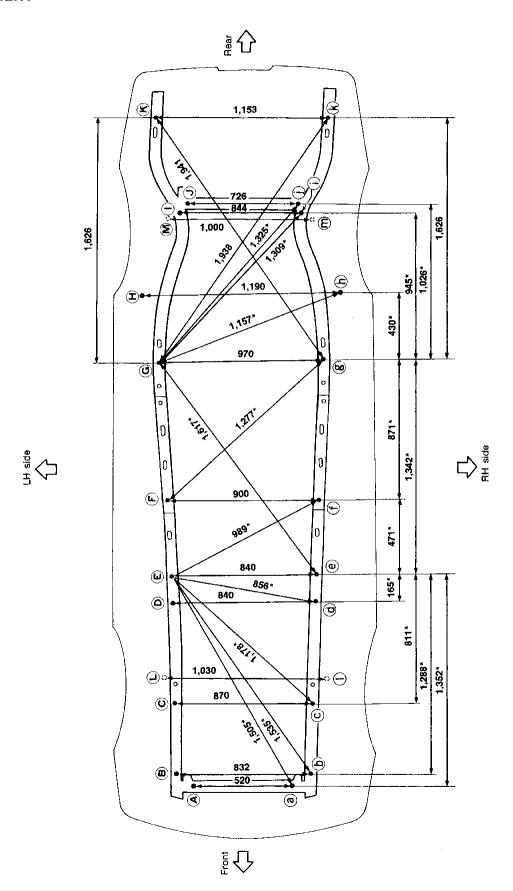
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## **Underbody**

#### **MEASUREMENT**



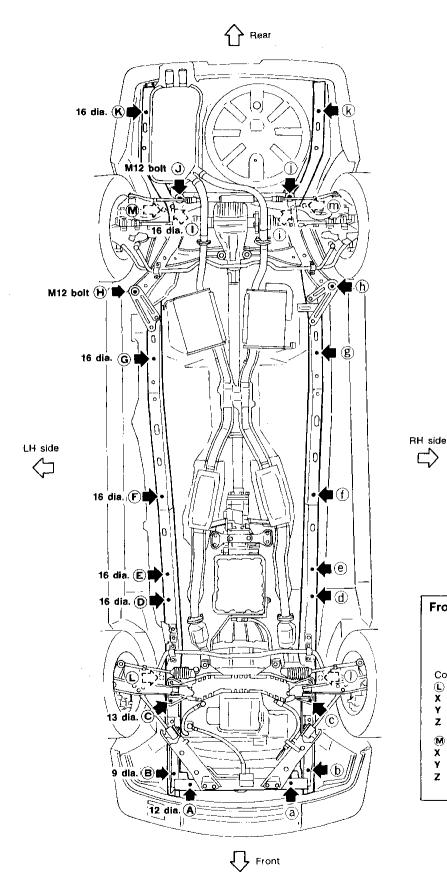
All dimensions indicated in this figure are actual ones. (There are no projected dimensions.)

Unit: mm SBF321F

## **BODY ALIGNMENT**

## Underbody (Cont'd)

#### **MEASUREMENT POINTS**



Front coordinates:	Rear coordinates:
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X : 260	X : 485
Y : -634	Y : 2,040
Z : 237.5	Z : 84.6
⊕ ,	(H) , (f) X : 595 Y : 2,455 Z : 99.2
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X : 435	X : 422
Y : –100	Y : 2,935
Z : 220	Z : 382.6
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X : 420	X : 363
Y : 535	Y : 3,045
Z : 88.6	Z : 249.3
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X : 420	X : 580
Y : 700	Y : 3,650
Z : 90.4	Z : 291.5
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X : 450	X : 573
Y : 1,170	Y : 3,650
Z : 92	Z : 291.5

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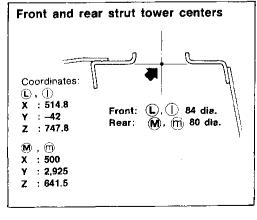
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Unit: mm