# **BODY AND 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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## **GENERAL SERVICING**

#### **Precautions**

- 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 installing. 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 RAG"

The Supplemental Restraint System "Air Bag", used along with a seat belt, helps 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), 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:**

- 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.
- All SRS electrical connectors are covered with yellow outer insulation. Do not use electrical test
  equipment on any circuit related to the SRS.

**BT-2** 998

## **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	Rémoval & Installation	G
<b>(£101)</b>		Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.	M#
8			EN LC
	\$BF302H	SBF367BA	EC
<b>(£103</b> )			FE
9		Removal: Remove with a clip remover.	CL.
	SBF303H	SBF423H	MT
	9 9	Push center pin to catching position.  Push (Do not remove center pin by hitting it.)	ΑT
<u>C203</u>		Push	FA
			RA
	SBF258G	Installation:	BR
		Removal:	ST
(205)		Screwdriver -	RS
	MBT080A	Clip Finisher SBF638C	ВТ
	illo locati	<b>4</b>	HA
<b>(206)</b>			
			IDX
	MBF519B	мвғ520в	

**BT-3** 

## **GENERAL SERVICING**

# Clip and Fastener (Cont'd)

Symbol No.	Shapes	Removal & Installation
Œ103)	SBF104B	Removal:
Œ107)	SBF411H	Panel Flat-bladed screwdriver Molding
<b>(F118)</b>	Clip-A  Clip-B (Grommet)  Sealing washer	Removal:  Flat-bladed screwdriver  Finisher  Clip-B (Grommet) panel  Sealing washers  SBF259G
<b>(\$103</b> )	SBF768B	Removal: Holder portion of clip must be spread out to remove rod.  SBF770B
(\$\$ 101)	SBF078B	Removal:  1. Screw out with a Phillips screwdriver.  2. Remove female portion with flat-bladed screwdriver.  SBF992G

**BT-4** 1000

## **Body Front End**

- When removing or installing hood, place a cloth or other padding on hood. This prevents vehicle body from being scratched.
- Bumper fascia is made of plastic. Do not use excessive force and be sure to keep oil away from it.
- 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.

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Hood opener: Do not attempt to bend cable forcibly. Doing so increases effort required to unlock MA 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.

## REMOVAL — Front bumper assembly

- 1) Remove bolts, screws and clips (203) securing left and right sides of front fender protector.
- 2 Remove bolts securing bumper fascia to engine undercover.
- (3) Remove screws securing left and right turn signal lamps and remove the lamps.
- (4) Remove bolts and nuts securing left and right headlamps and remove the lamps.
- (5) Remove bolts securing left and right cornering lamps and remove the lamps.
- 6 Remove bolts securing bumper retainer to bumper fascia.
- (7) Remove bolts and nuts securing front fender to bumper fascia.
- (8) Remove bolts securing fog lamp bracket to bumper fascia.
- Extract bumper fascia assembly.
- make Remove bolts and nuts securing retainer and remove the retainer.
- nuts securing bumper reinforcement to bumper stay.
- ② Extract bumper reinforcement.
- (3) Remove bolts and nuts securing bumper stay and remove the bumper stay.

BT-5 1001

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

## SEC. 260-261-262-620-630-650 Hood lock adjustment-· Adjust hood so that hood primary lock meshes at a position 1 to 1.5 mm (0.039 to 0.059 in) lower than fender. After hood lock adjustment, adjust bumper rubber, When securing hood lock, ensure it does not tilt. Striker must be positioned at the center of hood primary lock. After adjustment, ensure that hood primary and secondary lock operate properly. Hood lock secondary latch hooking length-More than 5.0 mm (0.197 in) Hood adjustment and hood stay installation Hood -Secondary latch Bumper rubber adjustment - Adjust so that hood is aligned with fender. At that time deflection is approx. 2 mm (0.08 in). [Bumper rubber 21 - 26 free height is approx. (2.1 - 2.7, 13 mm (0.51 in)] 15 - 20) 0 (12) Bumper reinforcement Bumper fascia assembly В C D G Energy absorber

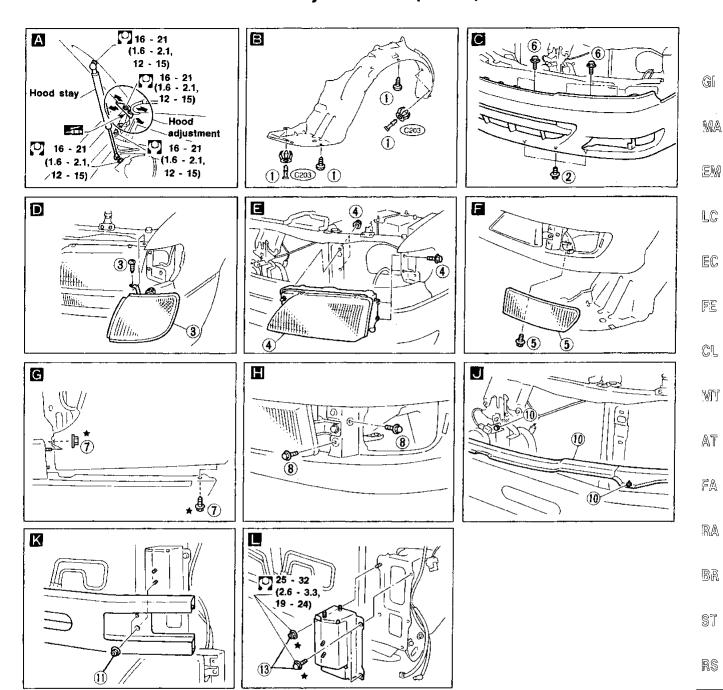
N•m (kg-m, ft-lb)

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**BT-6** 1002

## **BODY END**

## Body Front End (Cont'd)



: Bumper assembly mounting bolts & nuts

(kg-m, ft-lb)

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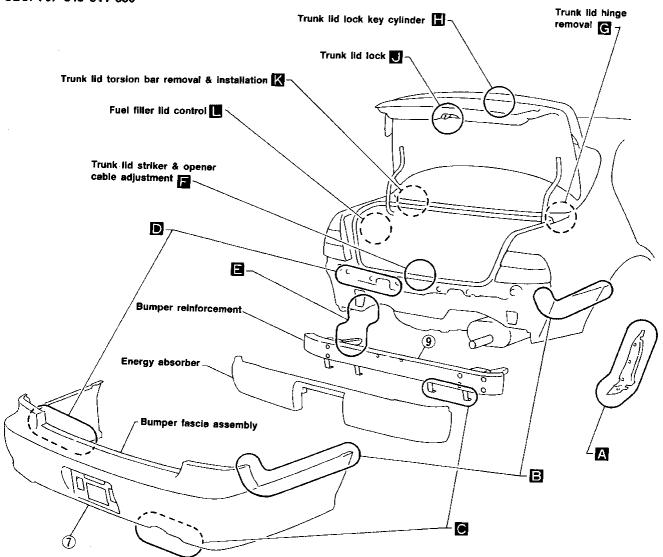
## **Body Rear End and Opener**

- When removing or installing trunk lid, place a cloth or other padding on trunk lid. This prevents vehicle body from being scratched.
- Bumper fascia is made of plastic. Do not use excessive force and be sure to keep oil away from it.
- 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.
- After installation, make sure that trunk lid and fuel filler lid open smoothly.
- ★ For Wiring Diagram, refer to "TRUNK LID OPENER" in EL section.

## REMOVAL — Rear bumper assembly

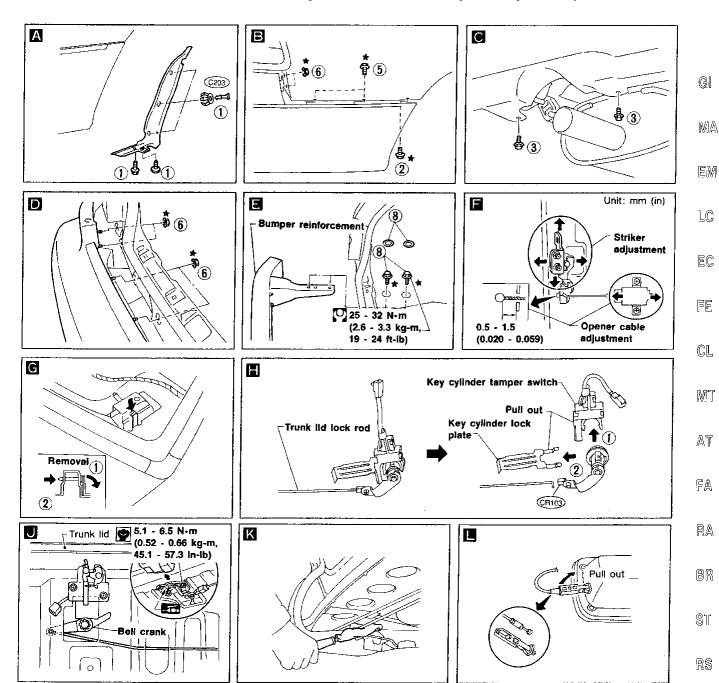
- (1) Remove bolts, screws and clips (2013) securing chipping protector. A
- 2 Remove bolts securing rear fender to bumper fascia. B
- 3 Remove bolts from lower side of rear bumper fascia.
- (4) Remove trunk room trim. Refer to "Trunk Room Trim" in "INTERIOR TRIM" for details, BT-19.
- (5) Working inside trunk, remove bolts securing left and right rear fenders to bumper fascia.
- 6 Working inside trunk, remove nuts securing bumper fascia bracket from trunk compartment. B
- ① Extract bumper fascia assembly. Disconnect license lamp harness connector.
- Working inside trunk, remove left and right plugs from floor and then remove bumper reinforcement mounting bolts. 
   □
- (9) Extract bumper reinforcement.

SEC. 767-843-844-850



## **BODY END**

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



★ : Bumper assembly mounting bolts & nuts

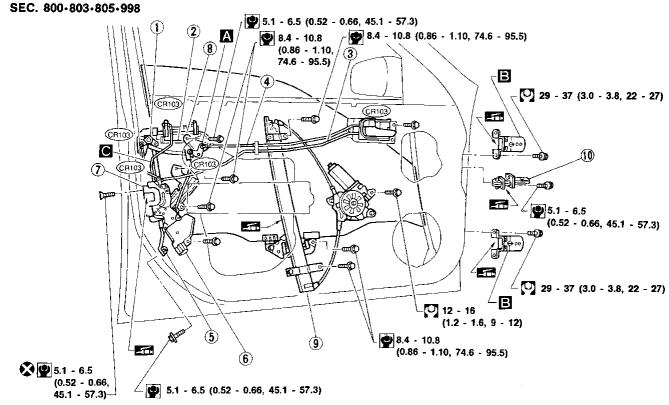
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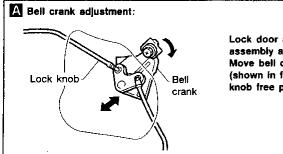
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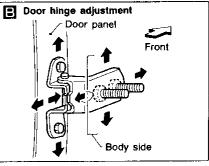
## **Front Door**

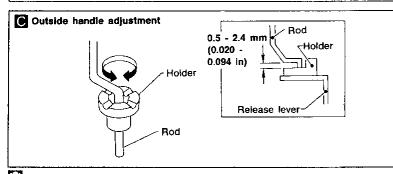
- For removal of door trim, refer to "Door Trim" in "INTERIOR TRIM" (BT-17).
- After adjusting door or door lock, check door lock operation.

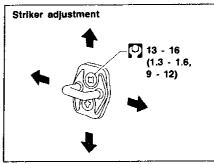




Lock door after setting door lock assembly and inside handle in position. Move bell crank in direction of arrow (shown in figure at left) to take up knob free play, and secure with bolts.







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

- 5) Guide rail adjustment
- (6) Door lock actuator
- ⑦ Door lock assembly

- 8 Bell crank adjustment
- Regulator assembly
- (1) Check link assembly

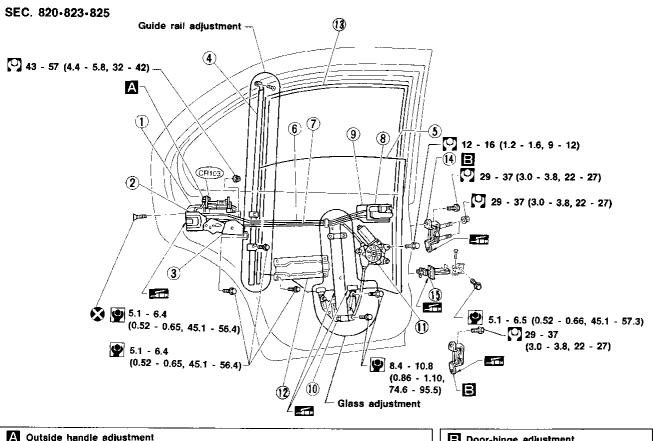
① Key cylinder

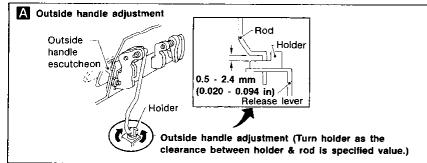
- 2 Outside handle
- (3) Inside handle rod
- (4) Lock knob rod

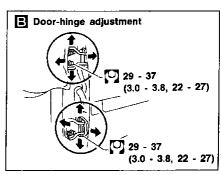
BT-10

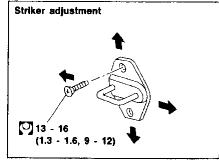
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## **Rear Door**





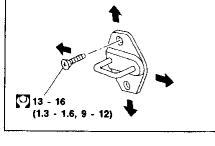




(V): N•m (kg-m, ft-lb)

- **(7**) Inside handle rod
- Inside handle
- Inside handle bracket **(9**)
- Regulator assembly

- (1)Motor
- (12) Inner bracket
- (13) Glass run rubber
- Door hinge (14)
- Check link assembly



**(1**) Outside handle

2 Door lock assembly

Door lock actuator Guide channel

**(5**) Glass

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Lock knob rod

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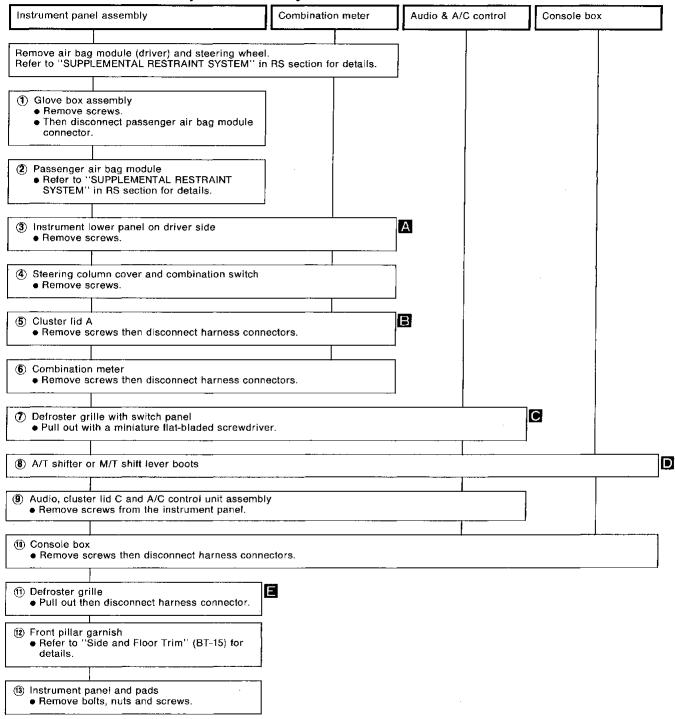
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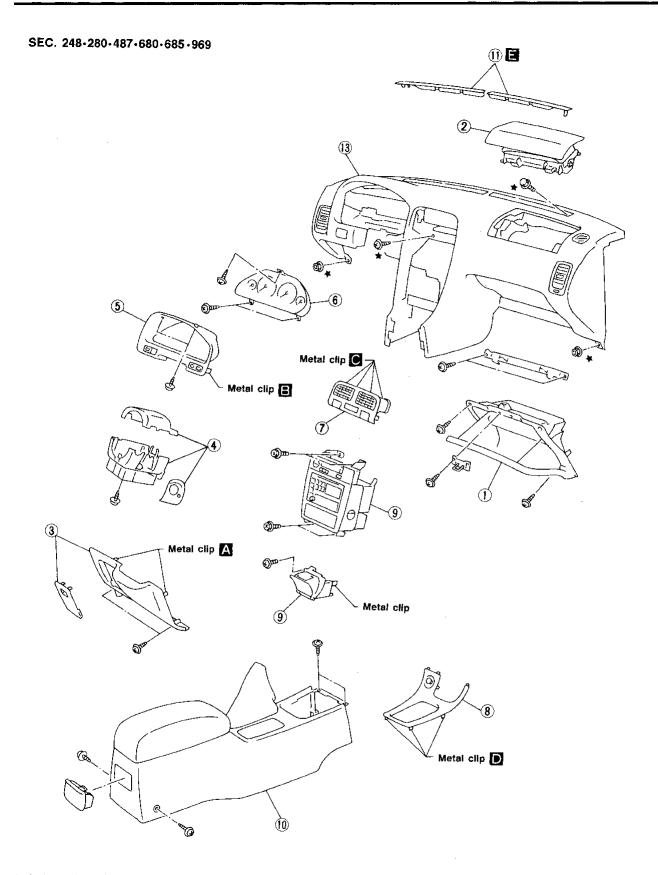
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#### **CAUTION:**

- Disconnect both battery cables 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





★: Instrument panel assembly mounting bolts, nuts and screws

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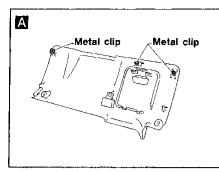
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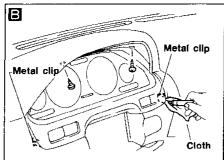
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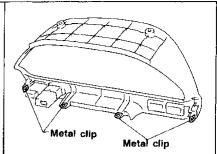
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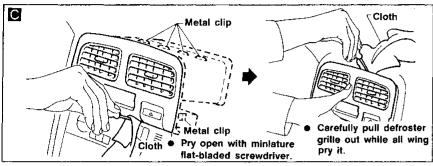
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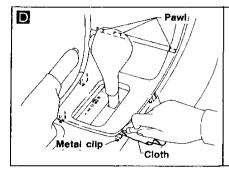
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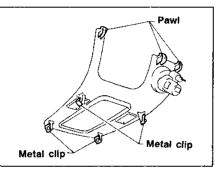


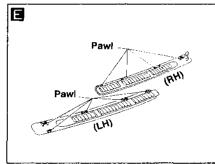












## **Side and Floor Trim**

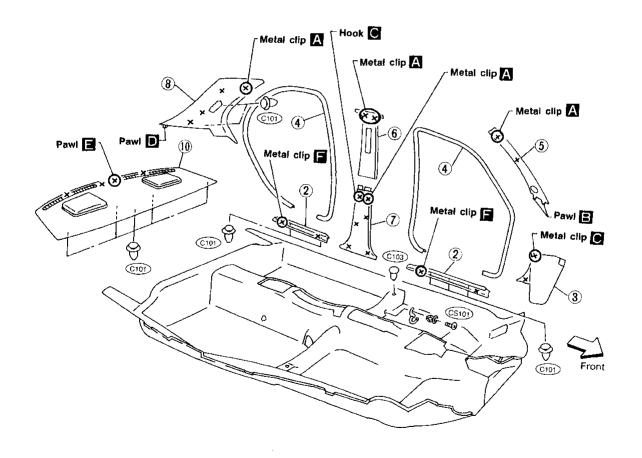
#### **CAUTION:**

Wrap the tip of flat-bladed screwdriver with a cloth when removing metal clips from garnishes.

#### REMOVAL — Body side trim

- ① Remove front and rear seats. Refer to "SEAT" for details, BT-26.
- 2 Remove front and rear kicking plates.
- (3) Remove dash side lower finishers.
- (4) Remove front and rear body side welts.
- 5 Remove front pillar garnishes.
- 6 Remove center pillar upper garnishes.
- (7) Remove center pillar lower garnishes.
- 8 Remove rear pillar garnishes.
- (9) Remove high-mounted stop lamp. (Model without rear air spoiler)
- n Remove rear parcel shelf finisher.

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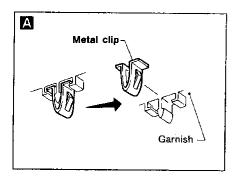
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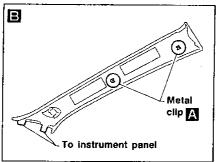
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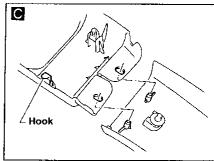
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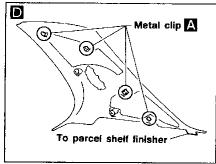
## **INTERIOR TRIM**

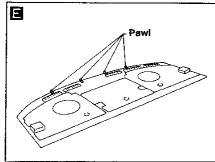
# Side and Floor Trim (Cont'd)

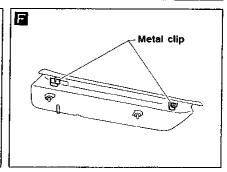










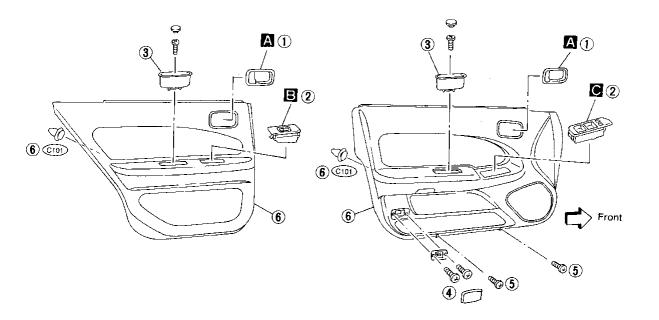


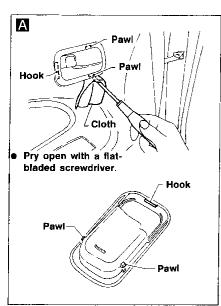
## **Door Trim**

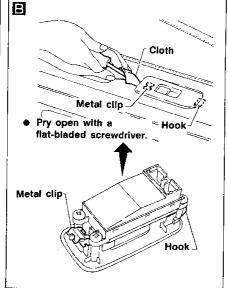
#### **REMOVAL** — Door trim

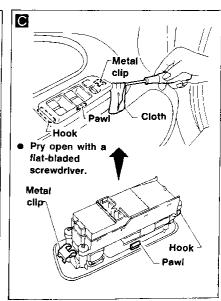
- 1 Remove inside handle escutcheon.
- 2 Remove power window switches, then disconnect the connectors.
- 3 Remove screw securing pull handle, and then remove pull handle.
- 4 Remove step lamp lens and screws securing step lamp, and then disconnect step lamp connector.
- (5) Remove screws securing door finisher.
- **6** Pull door finisher to remove clips (101) from door panel and remove door finisher. Disconnect harness connectors.

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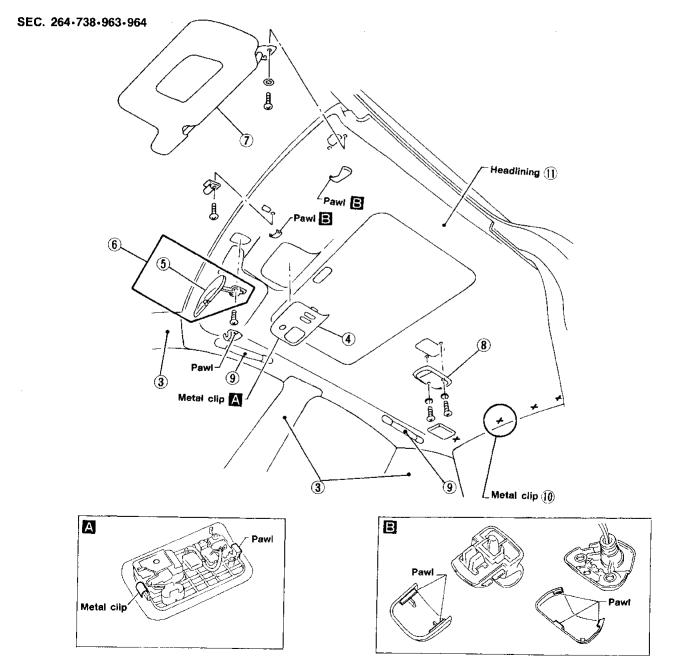
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## **Roof Trim**

#### **REMOVAL** — Headlining

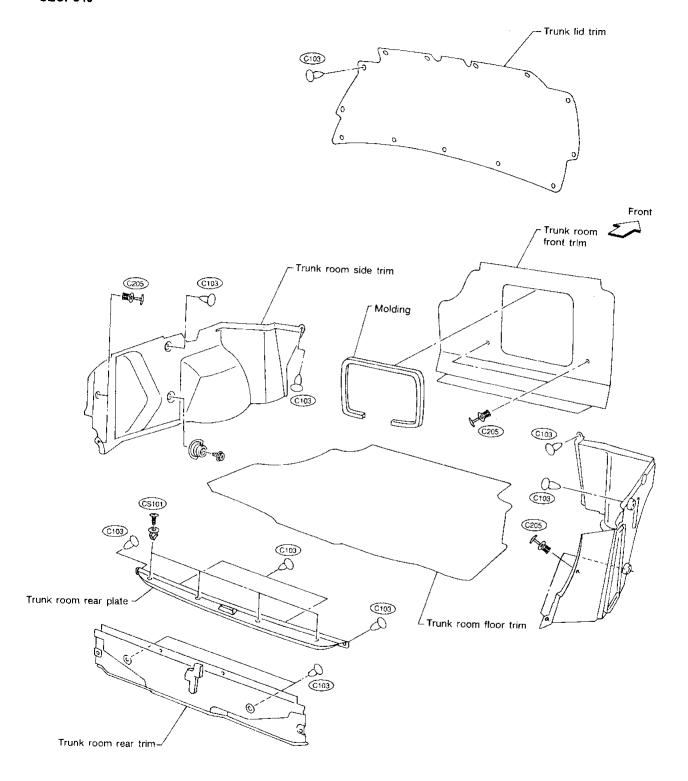
- ① Remove front and rear seats. Refer to "SEAT" for details, BT-26.
- 2 Remove front and rear seat belts. Refer to "SEAT BELTS" in RS section for details.
- 3 Remove body side trim. Refer to "Side and Floor Trim" for details, BT-15.
- 4 Remove sunroof switch or spot lamp switch.
- 5 Remove inside mirror assembly.
- 6 Disconnect automatic antidazzling inside mirror connector. (Equipped with automatic antidazzling inside mirror).
- (7) Remove sun visors.
- 8 Remove interior lamp assembly.
- Remove assist grips.
- 10 Remove metal clips securing headlining.
- n Remove headlining.



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## **Trunk Room Trim**

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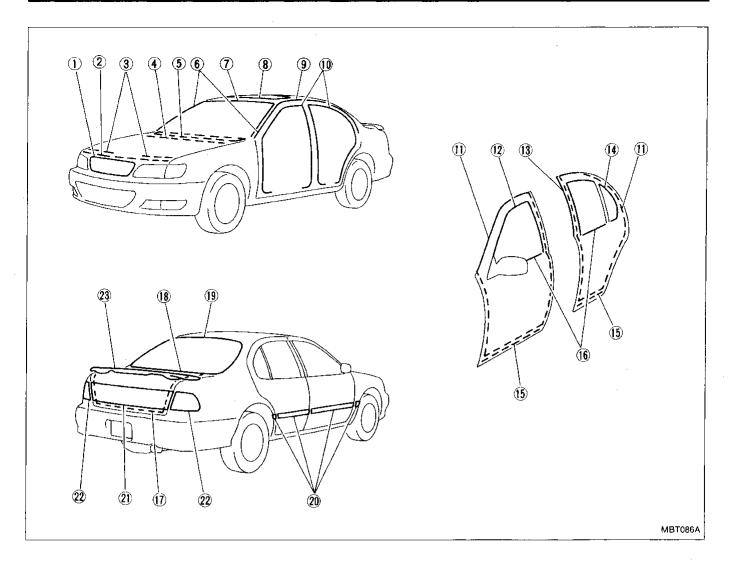
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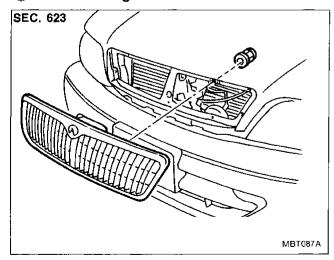
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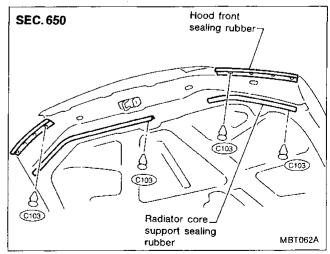
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## 1 Front hood grille

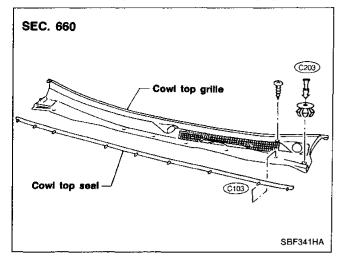


## 2 3 Hood front sealing rubber



**BT-20** 1016

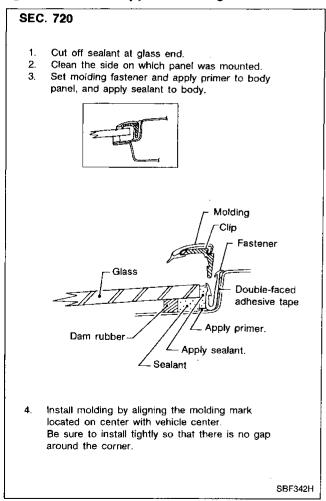
## 4 5 Cowl top seal and cowl top grille



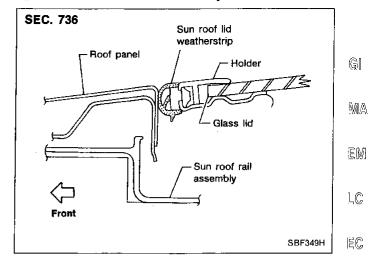
## 6 Windshield side molding

Mounted with screws.

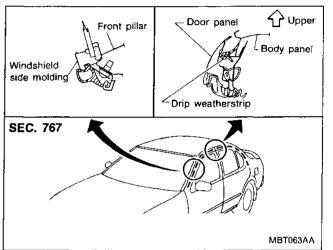
## Windshield upper molding



## 8 Sun roof lid weatherstrip



## 9 Drip weatherstrip



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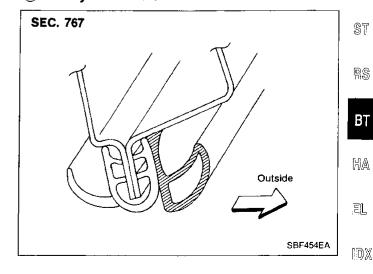
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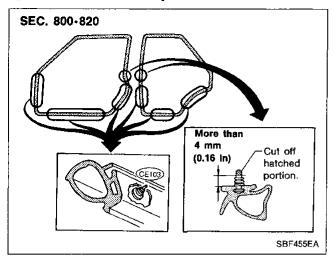
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## 10 Body side welt

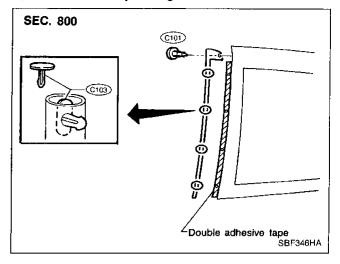


**BT-21** 1017

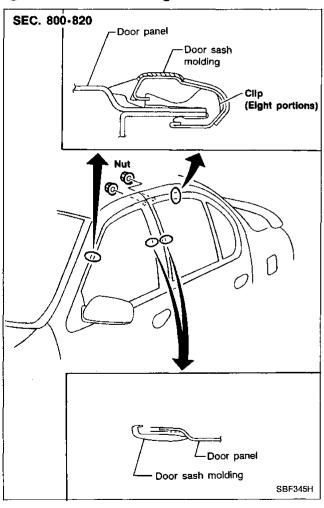
## 1 Door weatherstrip



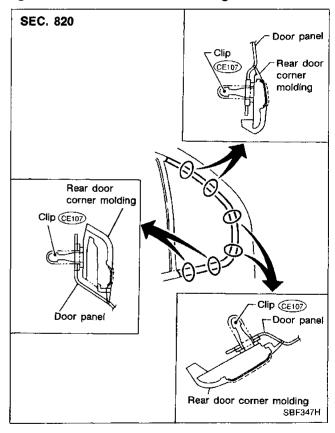
## (13) Front door parting seal



## 12 Door sash molding

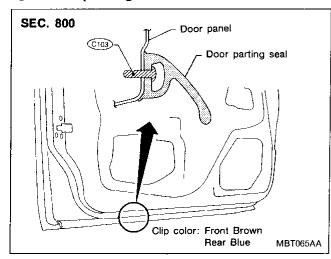


## 14 Rear door corner molding

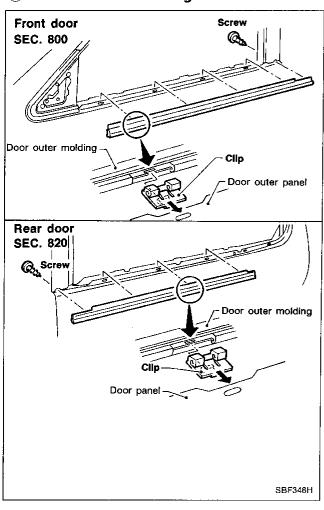


BT-22 1018

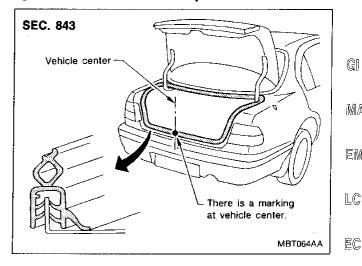
## **15** Door parting seal



## 16 Door outside molding



## 17 Trunk lid weatherstrip



## 18 Rear window lower molding

Mounted with screws.

## 19 Rear window upper molding and side molding

Basically the same as windshield upper molding. Refer to 7 Windshield upper molding.

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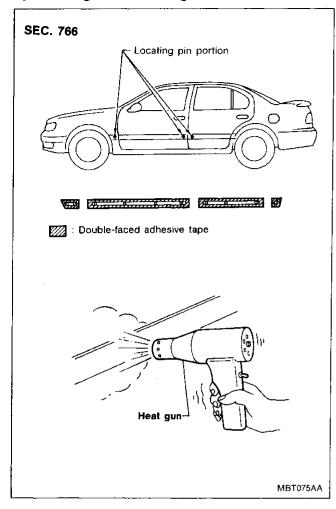
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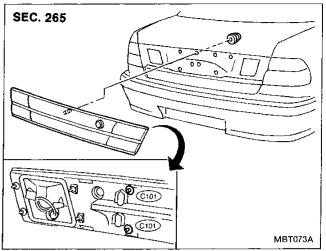
## **20** Side guard molding



 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.

## 21 Rear panel finisher

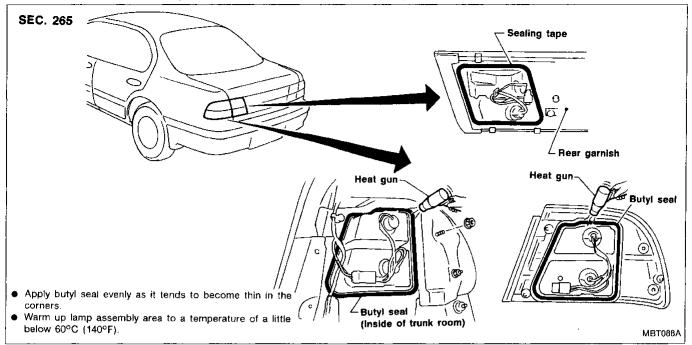
 Rear panel finisher is installed with nuts, clips and butyl sealant.



**BT-24** 1020

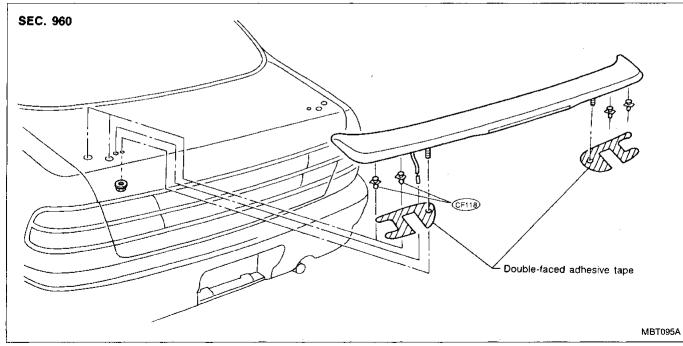
## 22 Rear combination lamp

Rear combination lamps are installed with nuts and butyl sealant.



## **3** 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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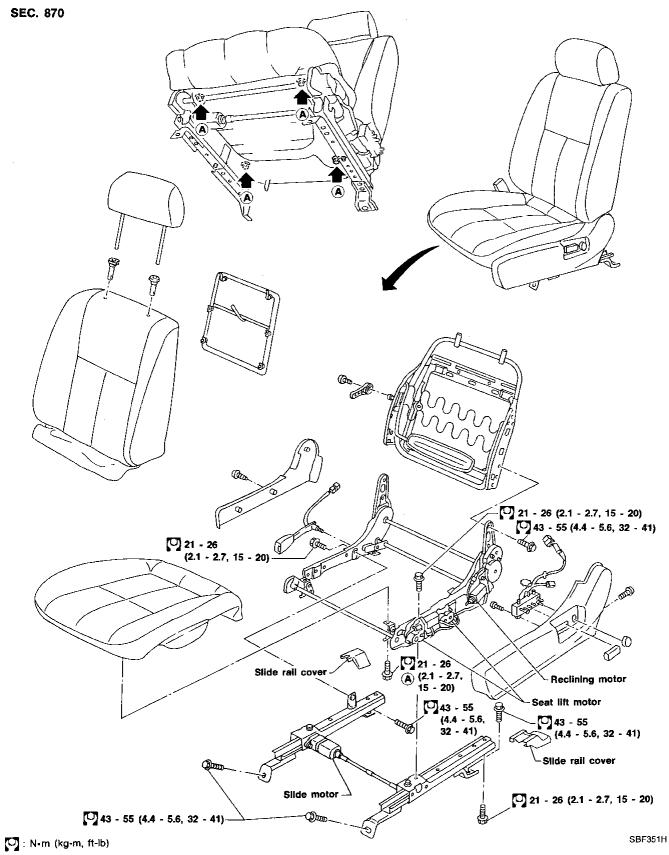
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- When removing or installing the seat trim, carefully handle it to keep dirt out and avoid damage.
- ★ For Wiring Diagram, refer to "POWER SEAT" in EL section.

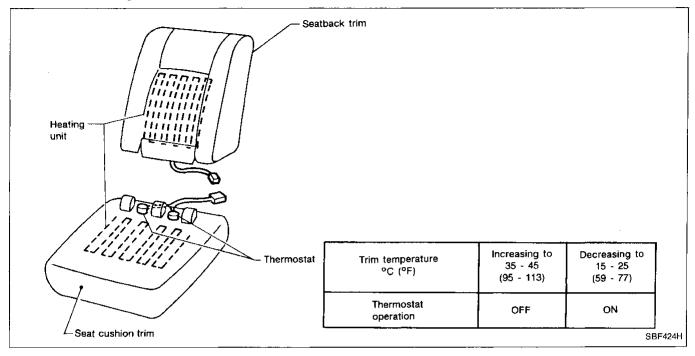
## **Front Seat**



## **Heated Seat**

- 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.

## Seatback heating unit removal & installation



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

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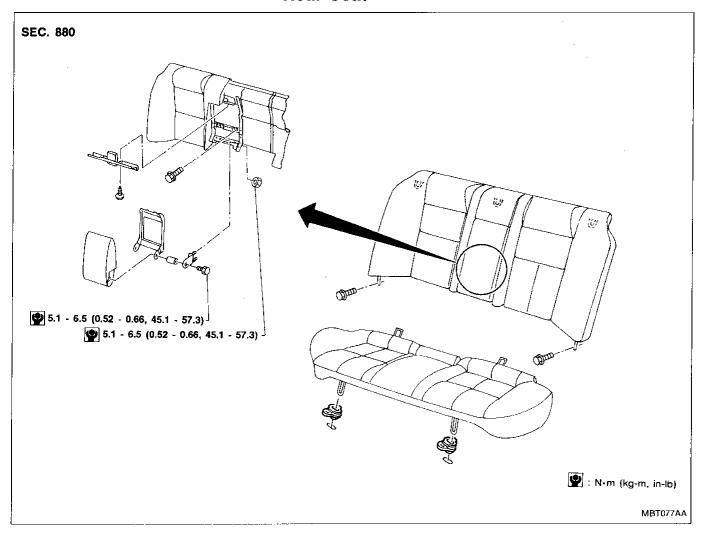
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## **Rear Seat**

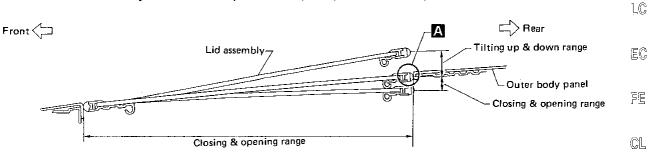


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#### **ADJUSTMENT**

## Install motor & limit SW assembly and sunroof rail assembly in the following sequence:

- 1. Arrange equal lengths of link and wire assemblies on both sides of sunroof opening.
- 2. Connect sunroof connector to sunroof switch and positive (+) power supply.
- 3. Set lid assembly to fully closed position A by operating OPEN switch and TILT switch.
- 4. Fit outer side of lid assembly to the surface of roof on body outer panel.
- 5. Remove motor, and keep OPEN switch pressed until motor pinion gear reaches the end of its rotating range.
- 6. Install motor.
- 7. Check that motor drive gear fits properly in wires.
- 8. Press TILT-UP switch to check lid assembly for normal tilting.
- 9. Check sunroof lid assembly for normal operations (tilt-up, tilt-down, open, and close).



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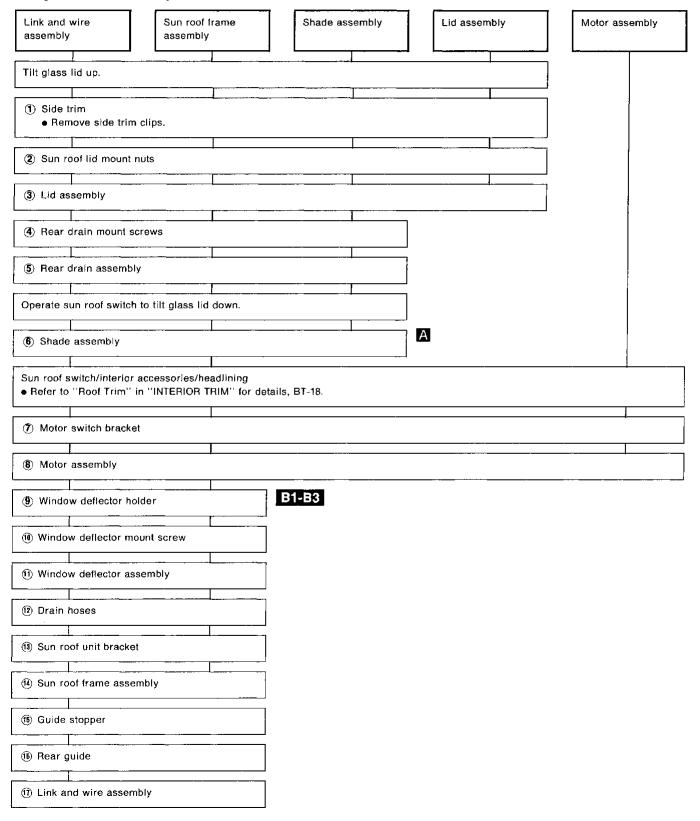
BT-29

#### **REMOVAL**

- After any adjustment, check sun roof operation and lid alignment.
- Handle finisher plate and glass lid with care so not to cause damage.
- It is desirable for easy installation to mark each point before removal.

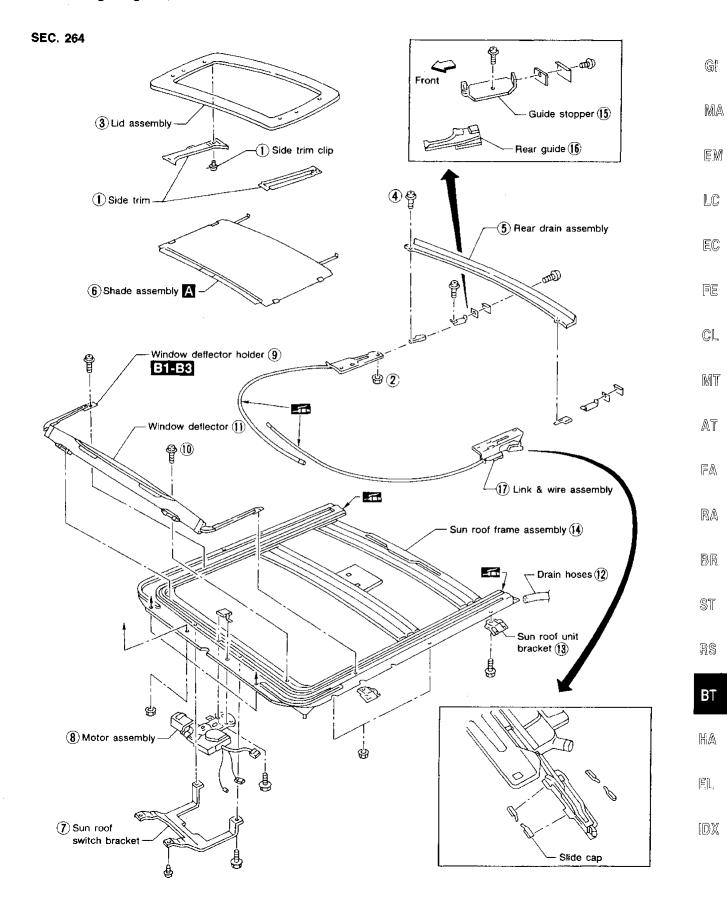
#### **CAUTION:**

Always work with a helper.

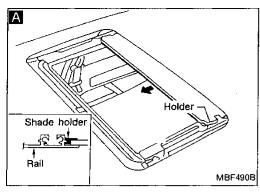


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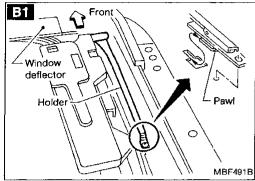
## ★ For Wiring Diagram, refer to "ELECTRIC SUN ROOF" in EL section.



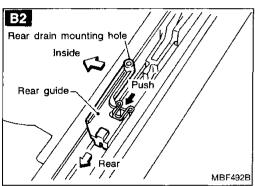
## **SUN ROOF**



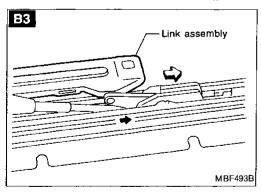
Using flat-bladed screwdriver, pry shade assembly holder off rail. Then pull shade assembly forward to remove it from rail.



**B1** Disengage pawls from rail, then remove window deflector holder.

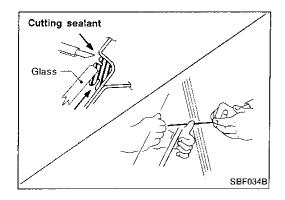


B2 Using flat-bladed screwdriver, pry stopper spring off rail groove. Then slide rear guide backward to remove it from rail.



Remove wire and link assembly from rail while pushing link back with flat-bladed screwdriver.

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#### **REMOVAL**

After removing moldings, remove glass.

#### **CAUTION:**

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.

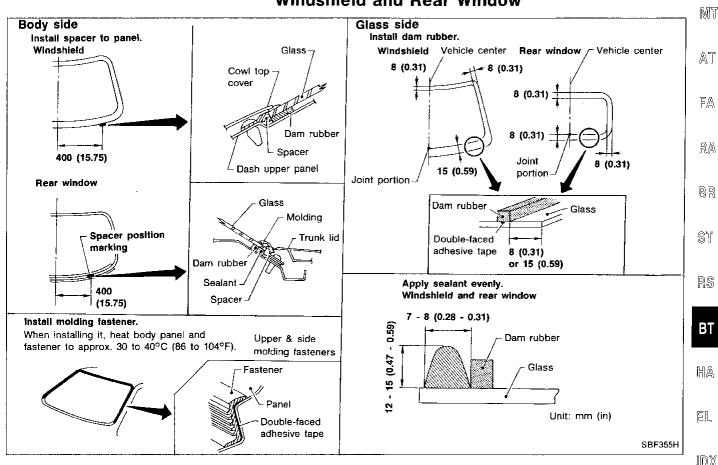
#### **WARNING:**

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

Advise user not to drive the vehicle on rough roads 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



#### 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 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.

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#### **CAUTION:**

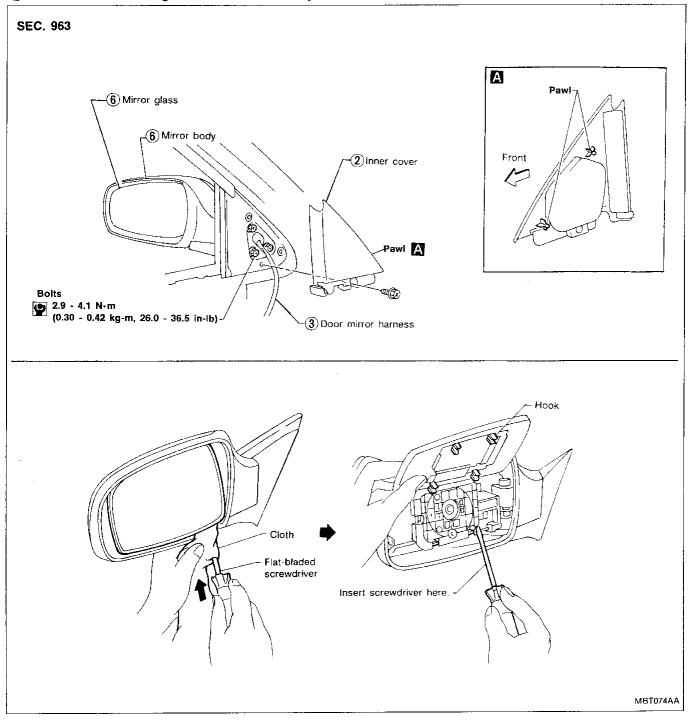
#### **Door Mirror**

Be careful not to scratch door rearview mirror body.

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

#### **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 door mirror harness clips.
- (5) Remove three bolts securing door mirror assembly.
- (6) Remove the mirror glass from mirror body. Do not insert screwdriver too far.



- All dimensions indicated in figures are actual ones.
- When using a tracking gauge, adjust both pointers to equal length. Then 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.

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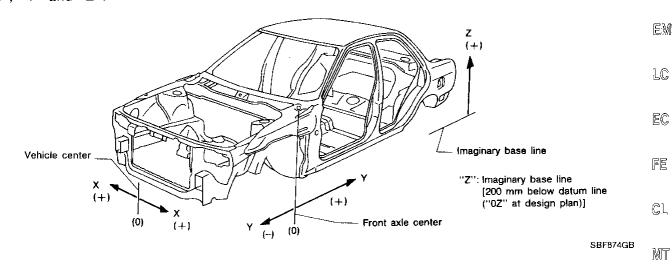
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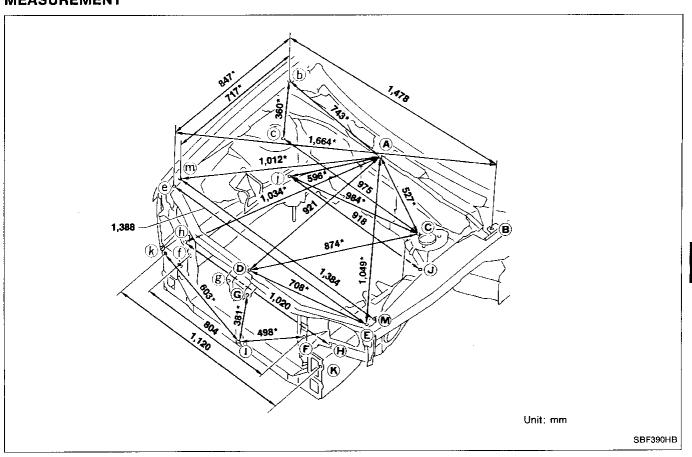
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• The coordinates of the measurement points are the distances measured from the standard line of "X", "Y" and "Z".



## **Engine Compartment**

## **MEASUREMENT**

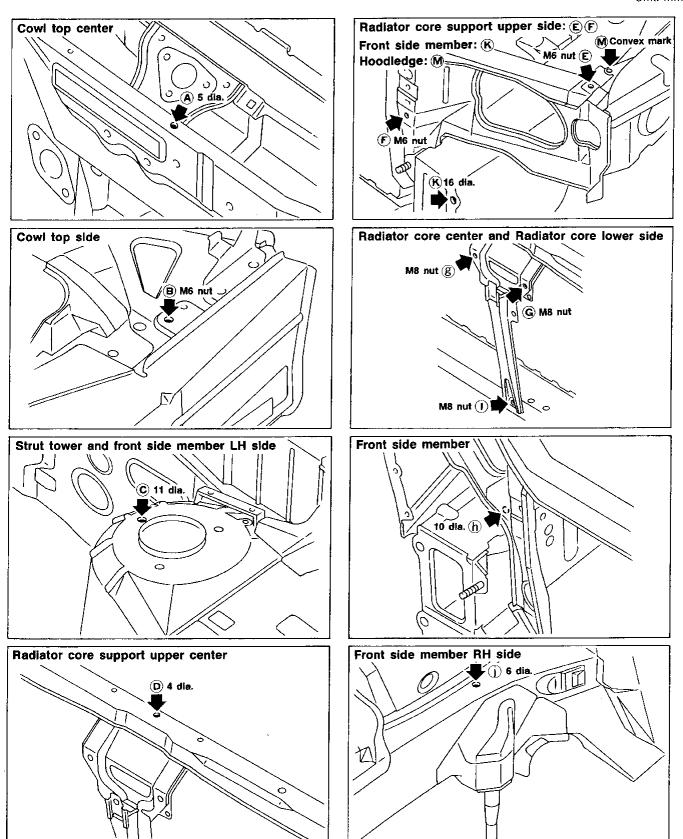


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## **Engine Compartment (Cont'd)**

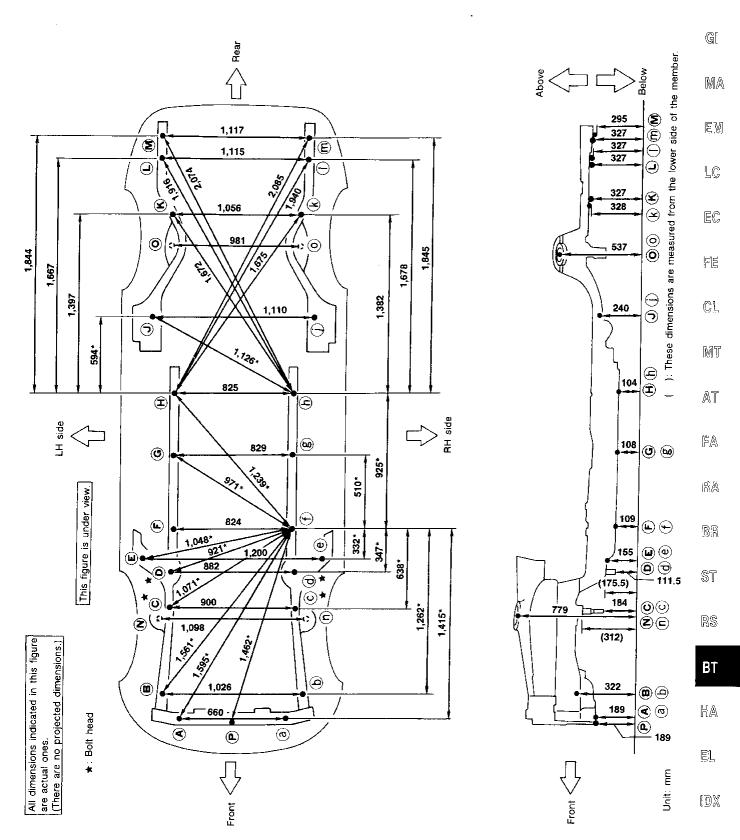
## **MEASUREMENT POINTS**

Unit: mm



## **Underbody**

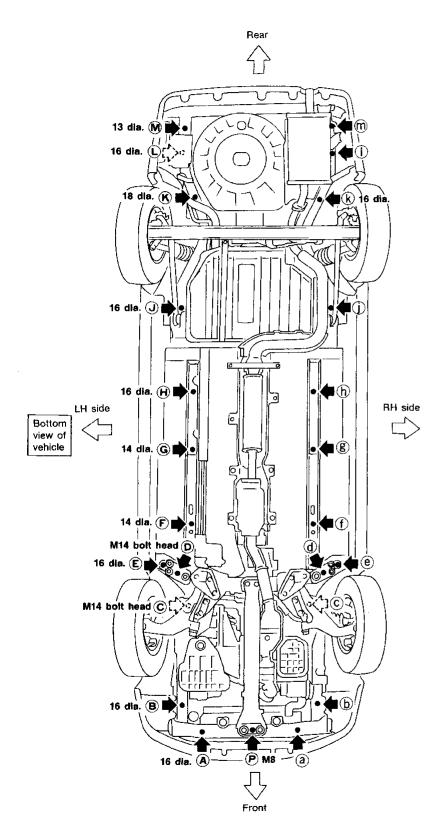
#### **MEASUREMENT**

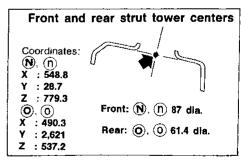


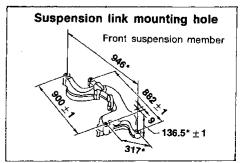
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## Underbody (Cont'd)

## **MEASUREMENT POINTS**







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