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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PRECAUTIONS

Precaution

- 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 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 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 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.

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	(i)
CIB O		Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.	MA EM
	SBF302H	SBF367BA	LC EC
			FE
©103	TRATO	Removal:	CL
	SBF095	Remove with a clip remover. SBF423H	MT
	9 9	Push center pin to catching position. Push (Do not remove center pin by hitting it.)	at Fa
(203) I		Push	RA
8		Installation:	BR
	SBF258G	SBF708E	S T
ļ		Removal:	RS
			вт
	MBT080A	Clip Finisher SBF638C	HA
	NID 1000A	351 0000	

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GENERAL SERVICING

Clip and Fastener (Cont'd)

Symbol No.	Shapes	Removal & Installation
C206	MBF519B	MBF520B
Œ103) -	SBF104B	Removal:
(E107)	SBF411H	Panel Flat-bladed screwdriver Molding Clip SBF767B
Œ117) \	SBF174D	Removal: Remove by bending up with a flat-bladed screwdriver or pilers. SBF175DA
(E) (P-(II))	Seal rubber Clip-B	Removal: Clip-A Finisher Weatherstrip Clip-B Rubber seal Flat-bladed screwdriver SBF649B

GENERAL SERVICING

Clip and Fastener (Cont'd)

	only and raction (contra)		
Symbol No.	Shapes	Removal & Installation	
(F118)	Clip-A Clip-B (Grommet) Sealing washer SBF151D	Removal: Flat-bladed screwdriver Finisher Clip-B (Grommet) panel Sealing washers SBF259G	
(310) (2)	SBF145B	Removal: Installation: Rotate 45° to remove. Removal: SBF085B	
নো ত্ত	SBF768B	Removal: Holder portion of clip must be spread out to remove rod. SBF770B	
(F) (F)	SBF078B	Removal: 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver. SBF992G	

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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.
- 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.

REMOVAL — Front bumper assembly

(1) Remove bolts securing engine undercover from the front side.

(2) Remove bolts, screws and clips (2015) securing fender protectors in the wheelhouse. Then remove left and right fender protectors.

Remove clip securing grille and remove the grille.

(4) Remove screws securing left and right side combination lamps and remove the lamps.

(5) Insert flat-bladed screwdriver between side marker lamps and turn signal lamps. Then remove side marker lamps.

(6) Remove screws securing left and right turn signal lamps and remove the lamps.

Remove the clip (Sill) securing fog lamp finisher and remove the finisher. Then remove the bolts securing fog lamps and remove the lamps.

(8) Remove nuts and bolts securing headlamps. Then remove left and right headlamps.

(9) Remove bolts securing both bumper side brackets and remove the brackets.

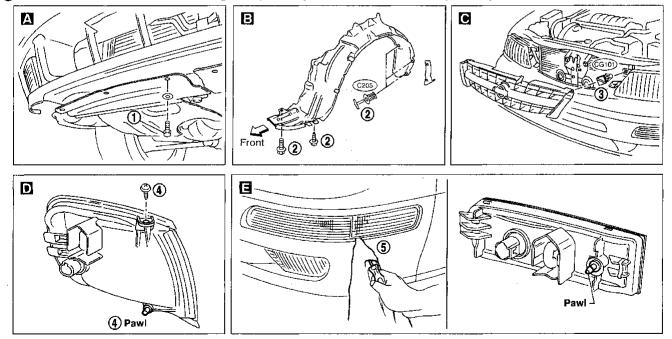
(10) Remove bolts and clips (2003) securing bumper fascia.

(ii) Remove nuts securing fascia from both bumper sides. Then pull bumper fascia out. K

Remove nuts and bolts securing retainer from center and both sides and remove retainer.

Remove nuts securing bumper reinforcement and remove the reinforcement.

(4) Remove bolts and nuts securing bumper stay and remove the bumper stay.

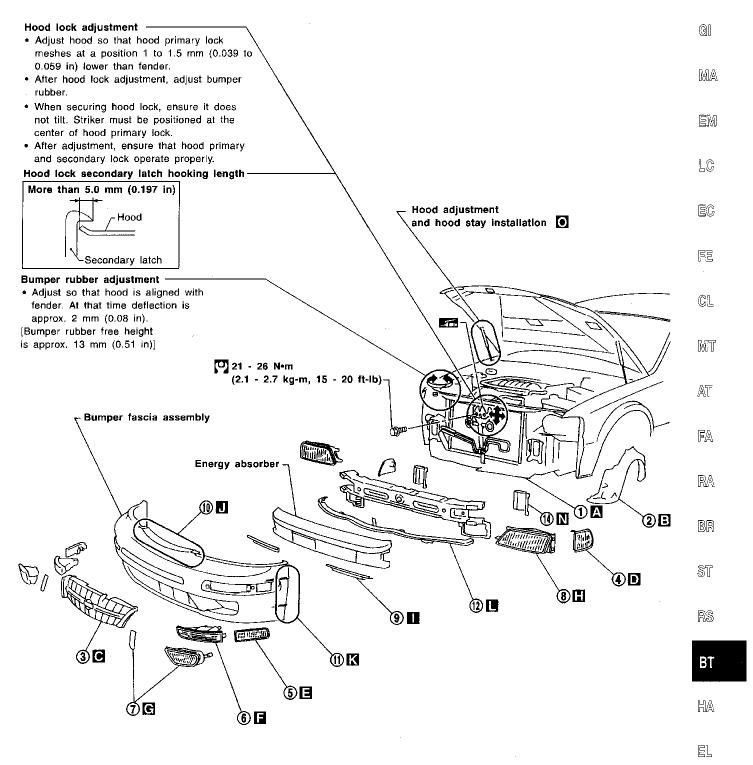


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BODY END

Body Front End (Cont'd)

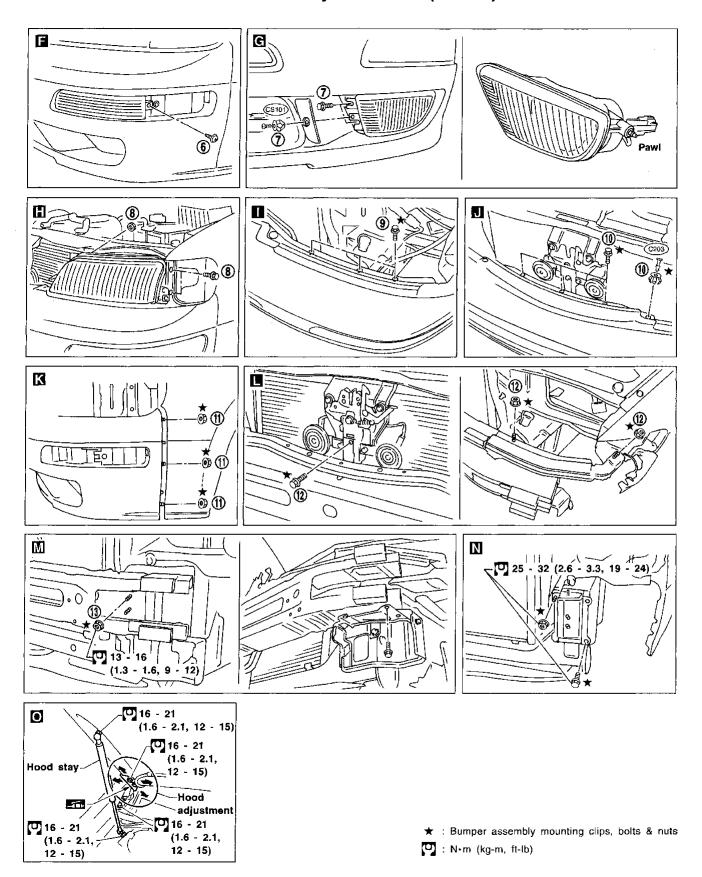
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BODY END

Body Front End (Cont'd)



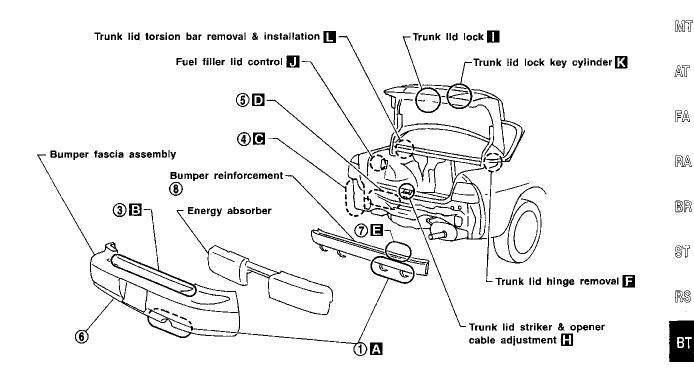
Body Rear End and Opener

- 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 AND FUEL FILLER LID OPENER" in EL section.

REMOVAL — Rear bumper assembly

- (1) Remove bolts from lower side of rear bumper fascia. A
- 2 Remove trunk trim. Refer to "Trunk Room Trim" in "INTERIOR TRIM" for details, BT-21.
- Remove clips securing upper side of bumper fascia.
- (4) Remove nuts from each fender side.
- (5) Remove nuts securing fascia bracket from trunk compartment.
- (6) Pull bumper fascia out.
- (7) Remove left and right plugs from floor and then remove reinforcement mounting bolts.
- (8) Pull reinforcement out.

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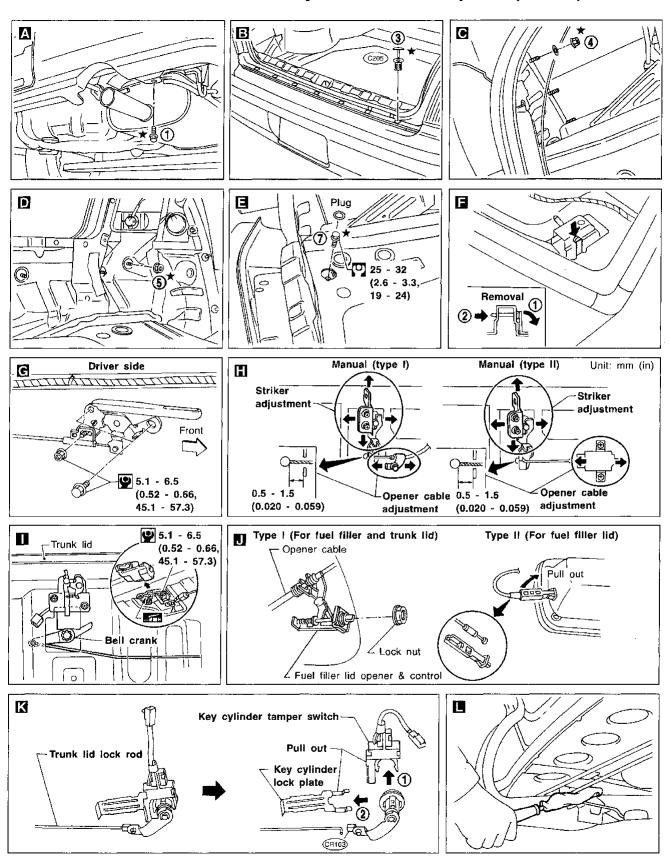
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Body Rear End and Opener (Cont'd)



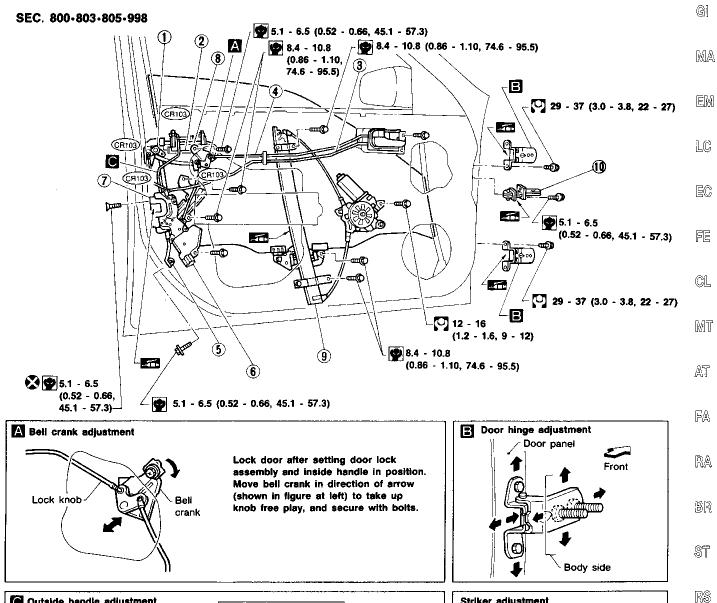
★: Bumper assembly mounting bolts, nuts and clips

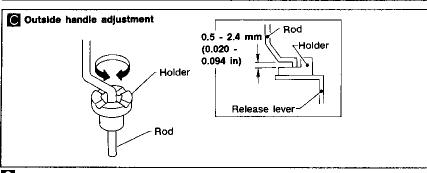
☑ : N•m (kg-m, in-lb)

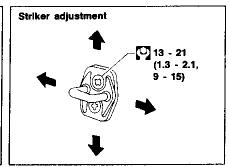
: N·m (kg-m, ft-lb)

Front Door

- For removal of door trim, refer to "Door Trim" in "INTERIOR TRIM" (BT-19).
- After adjusting door or door lock, check door lock operation.







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

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

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

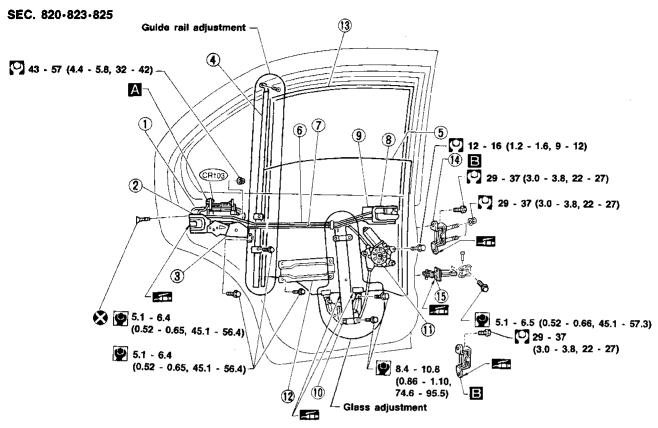
- 8 Bell crank adjustment
- Regulator assembly
- ① Check link assembly

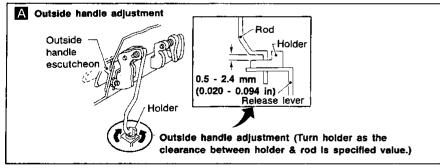
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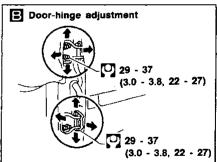
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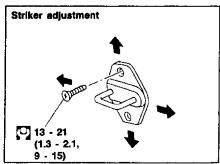
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Rear Door









- Outside handle
- ② Door lock assembly
- 3 Door lock actuator
- 4 Guide channel
- (5) Glass

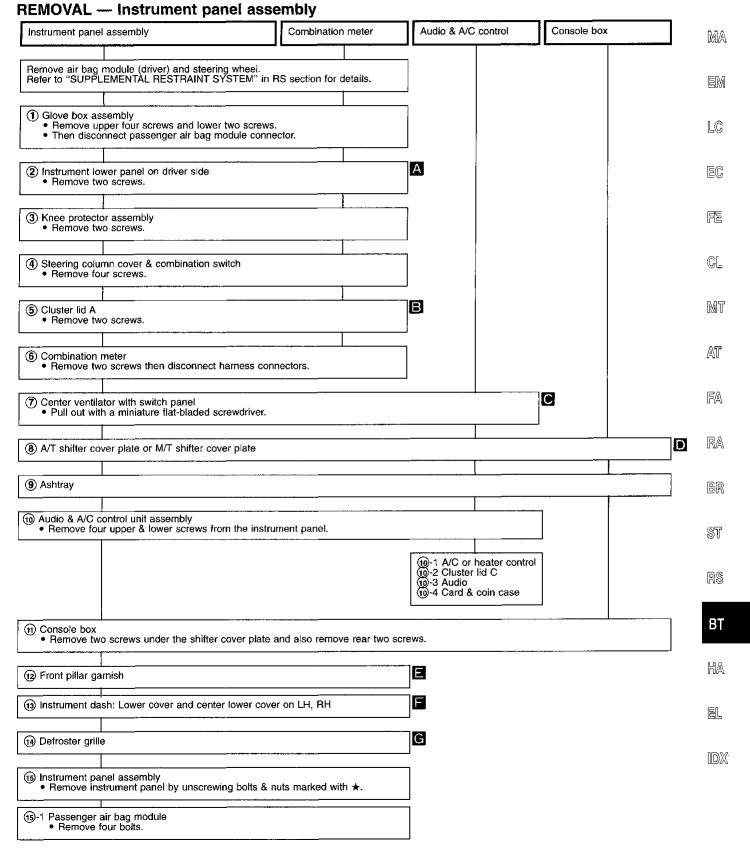
- - 6 Lock knob rod
 - 7 Inside handle rod
 - 8 Inside handle
 - 9 Inside handle bracket
 - (1) Regulator assembly

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

SBF332HD

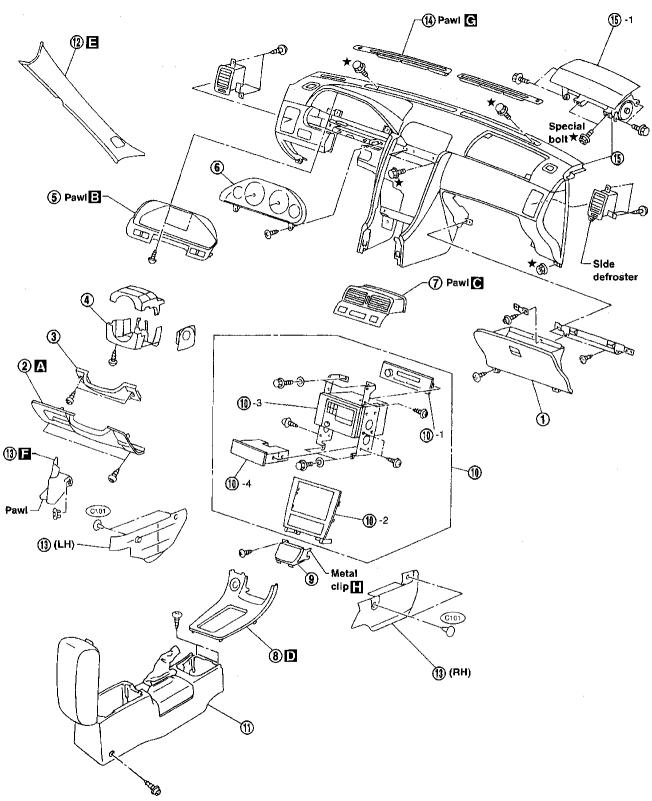
CAUTION:

- 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.



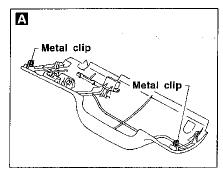
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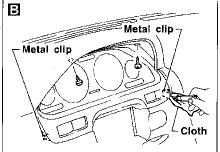
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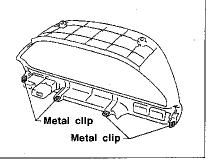


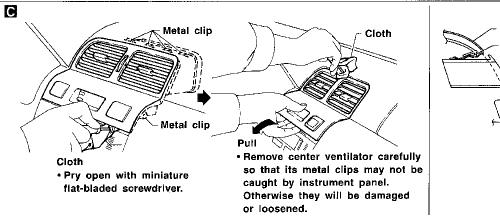
★: Instrument panel assembly mounting bolts and nuts

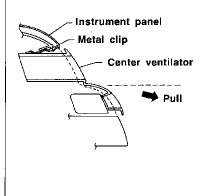
INSTRUMENT PANEL





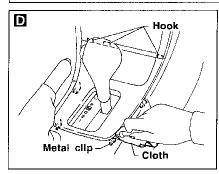


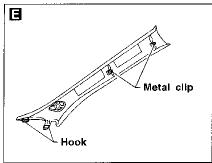


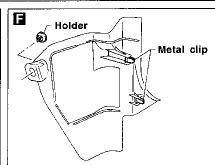


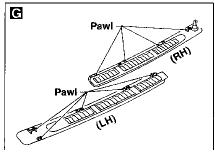
CAUTION:

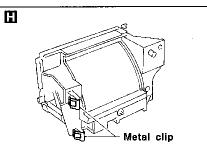
- Do not pull the center ventilator horizontally, but do so slightly downwards.
- If it is pulled upwards, the metal clips on the upper side of the center ventilator can be caught by the instrument panel, and if it is pulled out forcefully, the clips may be loosened or damaged.
- If it is inadvertently pulled out in the upward direction, check the metal clips for any looseness or detachment.
- If the center ventilator is dropped or knocked, check it for damage, and looseness or detachment of defroster grille, before reinstalling it.











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INTERIOR TRIM

Side and Floor Trim

CAUTION:

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

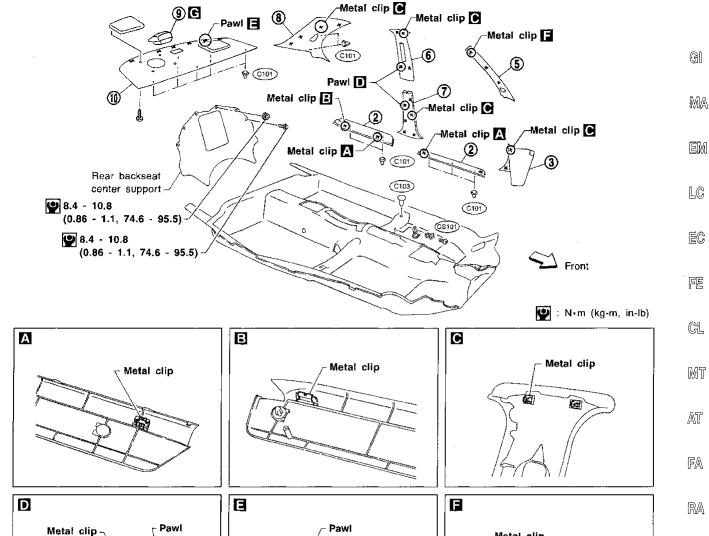
REMOVAL — Body side trim

- 1 Remove front and rear seats. Refer to "SEAT" for details, BT-27, 30.
- 2 Remove front and rear kicking plates.
- 3 Remove dash side lower finishers.
- (4) Remove front and rear body side welts. Refer to "Body side welt" in "EXTERIOR" for details, BT-23.
- 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.
- (10) Remove rear parcel shelf finisher.

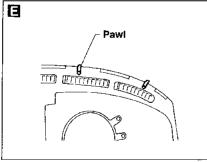
INTERIOR TRIM

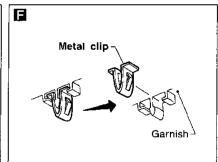
Side and Floor Trim (Cont'd)

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Metal clip Pawl





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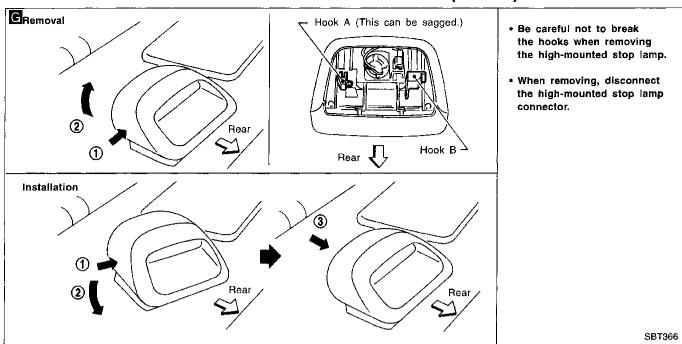
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INTERIOR TRIM

Side and Floor Trim (Cont'd)



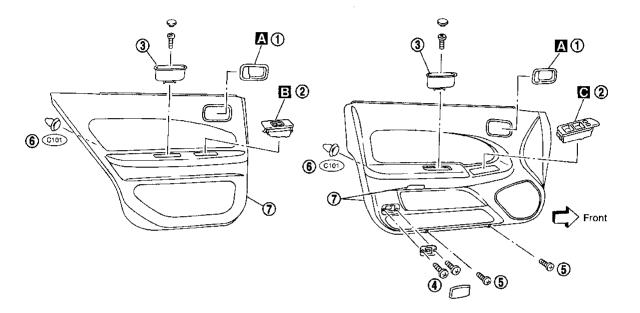
Door Trim

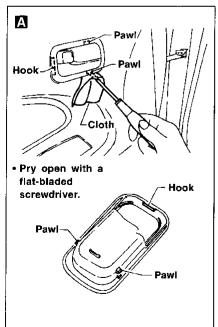
Removal — Door trim

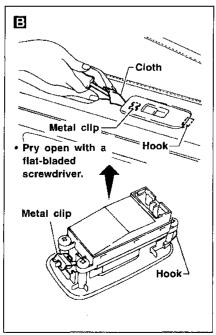
- (1) Remove inside handle escutcheon.

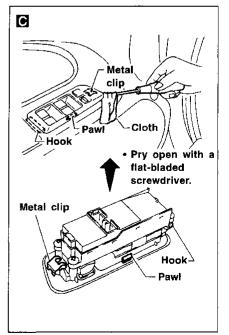
- Remove power window switches, then disconnect the connectors.
 Remove screw securing pull handle, and then remove pull handle.
 Remove step lamp lens and two screws securing step lamp, and then disconnect step lamp connector.
 Remove two screws. (Front door only)
- 6 Remove clips (1997) securing door finisher.
- (7) Lift out door finisher. Disconnect harness connectors.

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Roof Trim

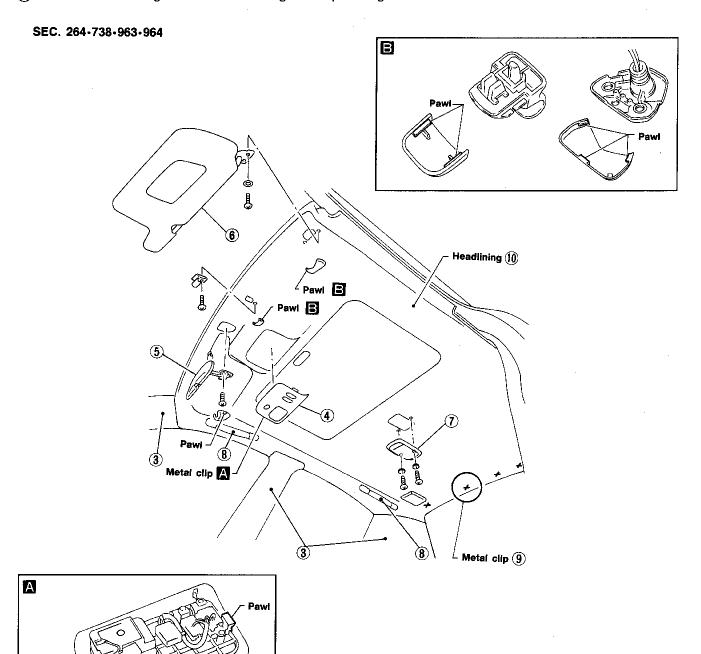
REMOVAL — Headlining

- Remove front and rear seats. Refer to "SEAT" for details, BT-27, 30.
 Remove front and rear seat belts. Refer to "SEAT BELTS" in RS section for details.
 Remove body side trim. Refer to "Side and Floor Trim" for details, BT-16.
 Remove sunroof switch or spot lamp switch.
 Remove inside mirror assembly.
 Remove sun visors.
 Remove interior lamp assembly.

- (8) Remove assist grips.

Metal clip

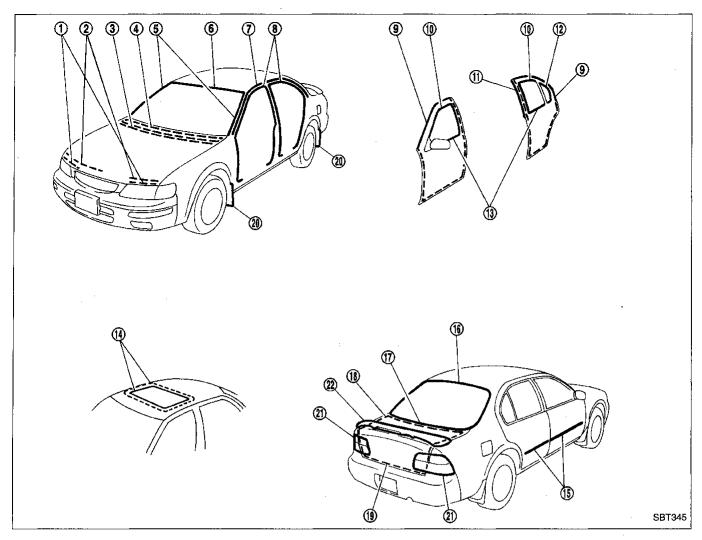
- 9 Remove metal clips securing headlining.
- Remove headlining from vehicle through front passenger side.



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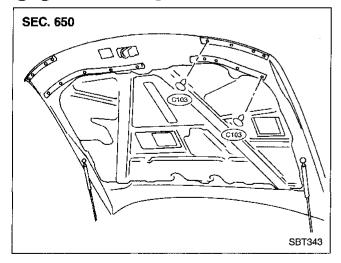
Trunk Room Trim

SEC. 849 GI Trunk lid trim MA **©103** EM L© EC Front Trunk room front trim FE Trunk room side trim (206) (A) CL Molding MT €-AT (III) $\mathbb{F}\!\mathbb{A}$ (III) RA \Diamond C103 BR C103 ST RS Trunk rear plate C206 Trunk floor trim ВТ ©103 $\mathbb{H}\mathbb{A}$ EL Trunk rear trim IDX

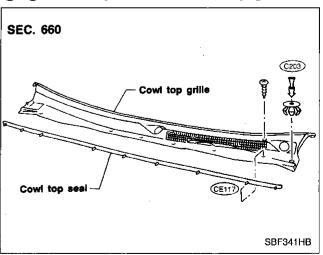


BT-22

1 2 Hood molding and hood front seal



3 4 Cowl top seal and cowl top grille



(5) Windshield side molding Mounted with screws.

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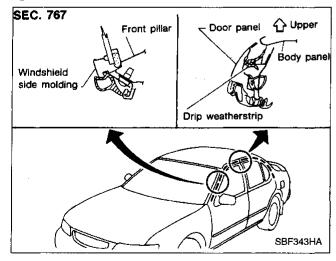
BT-23

6 Windshield upper molding

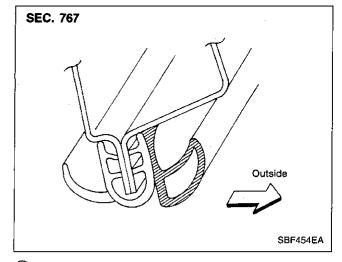
SEC. 720 Cut off sealant at glass end. Remove old sealant from panel surface. Set molding fastener and apply primer to body panel, and apply sealant to body. Molding Clip Fastener Glass Double-faced adhesive tape Apply primer. Dam rubber Apply sealant. ∠ Sealant Install molding by aligning the molding mark located on center with vehicle center. Be sure to install tightly so that there is no gap

7 Drip weatherstrip

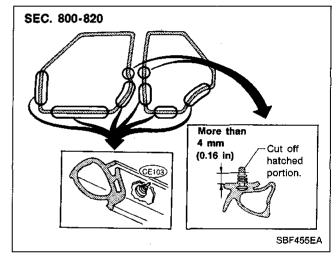
around the corner.



8 Body side welt



9 Door weatherstrip



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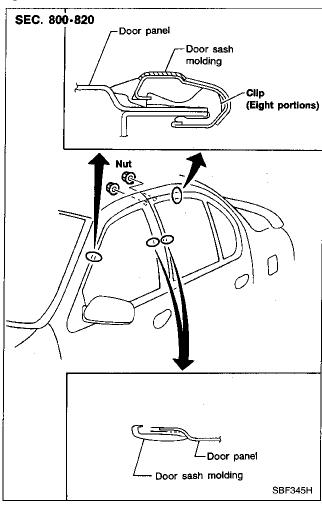
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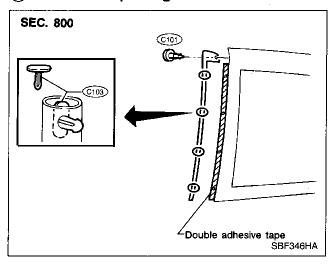
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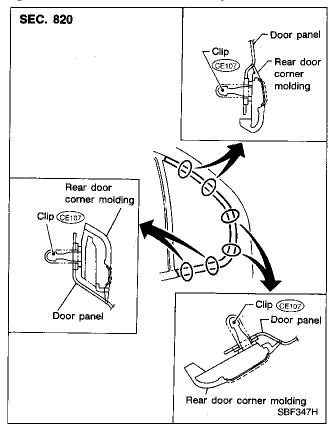
10 Door sash molding



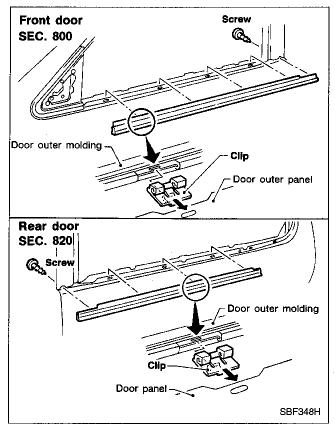
(1) Front door parting seal



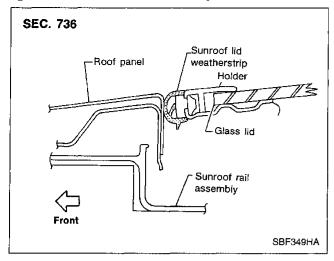
12 Rear door corner molding



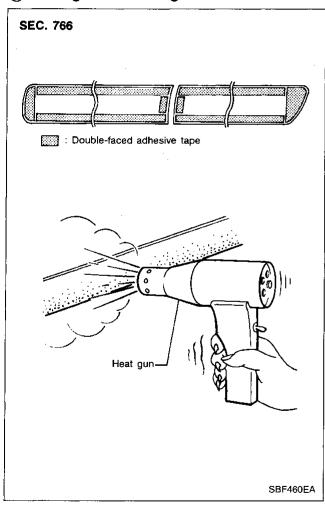
13 Door outside molding



(14) Sunroof lid weatherstrip



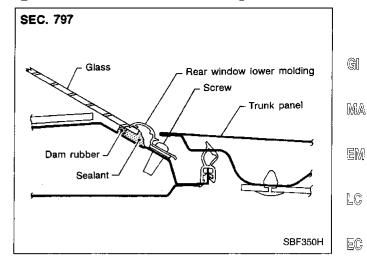
(5) Side guard molding



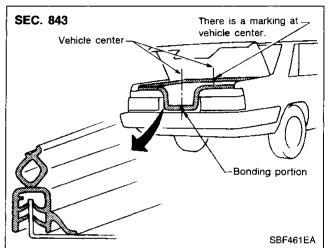
(6) (7) Rear window upper molding and side molding

Basically the same as windshield upper molding. Refer to 6 Windshield upper molding.

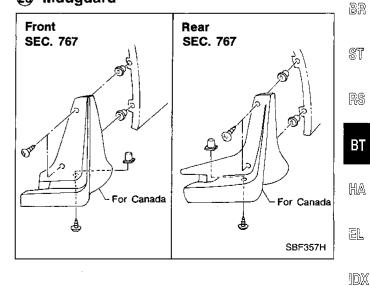
(18) Rear window lower molding



19 Trunk lid weatherstrip



20 Mudguard



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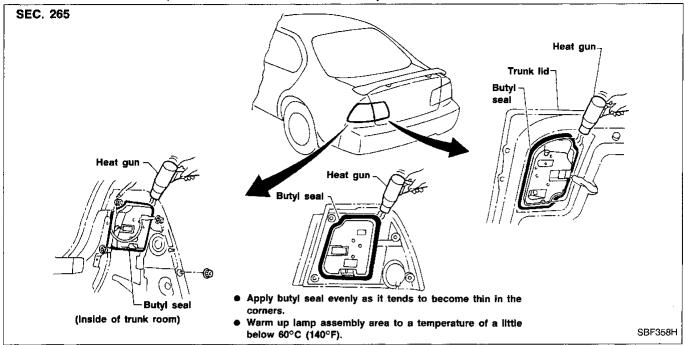
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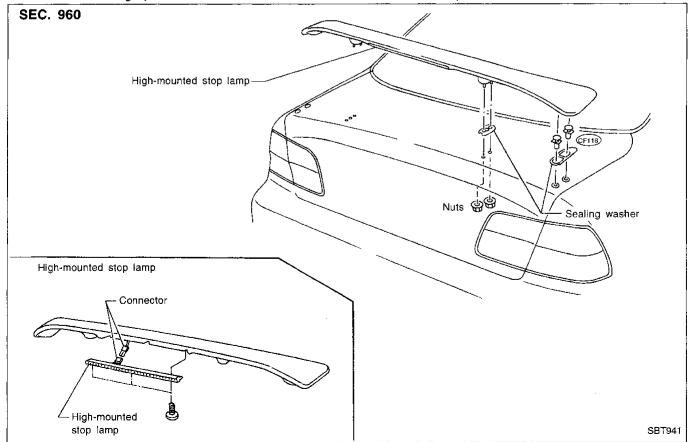
21 Rear combination lamp

Rear combination lamps are installed with nuts and butyl seal.



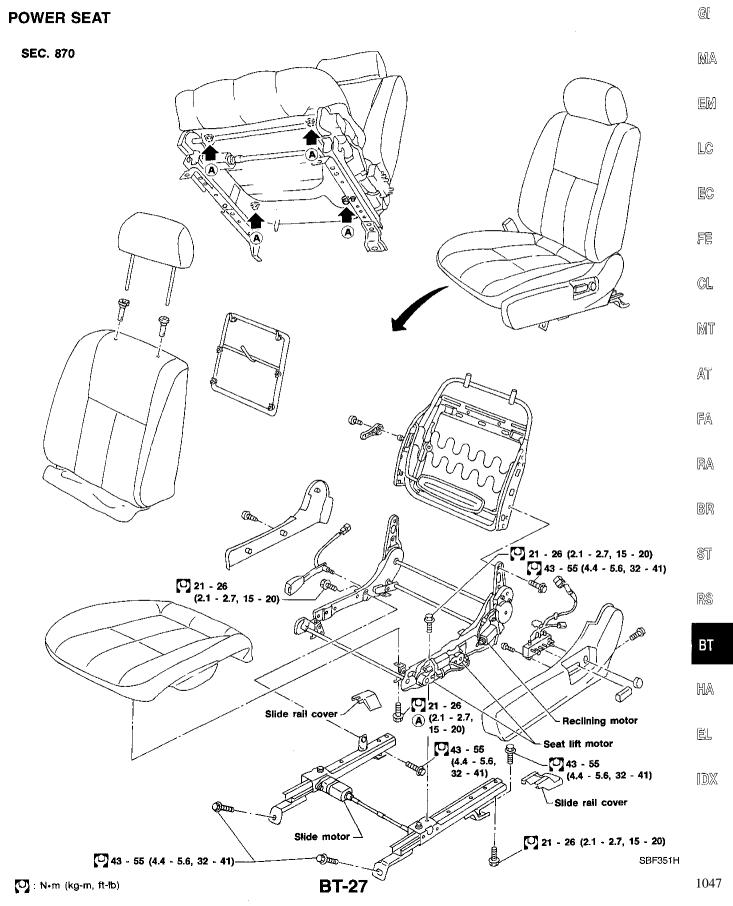
22 Rear air spoiler

- When removing, first disconnect high-mounted stop lamp connector located on the back of trunk lid, then remove air spoiler taking care the stop lamp harness does not get caught.
- 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.



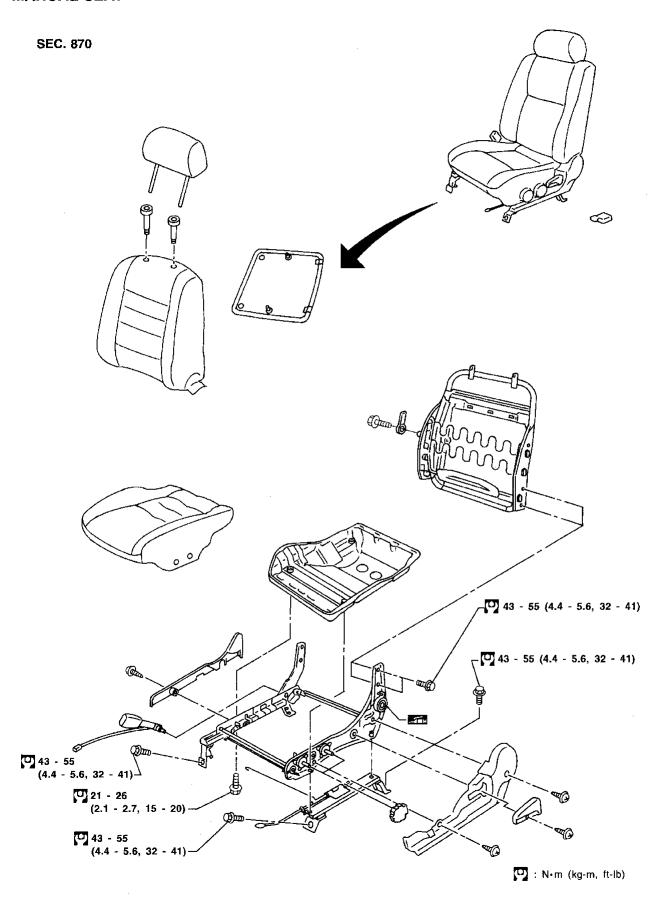
- When removing or installing the seat trim, carefully handle it to keep dirt out and avoid damage.
- ★ For Wiring Diagram, refer to "POWER SEAT" in EL section.

Front Seat



Front Seat (Cont'd)

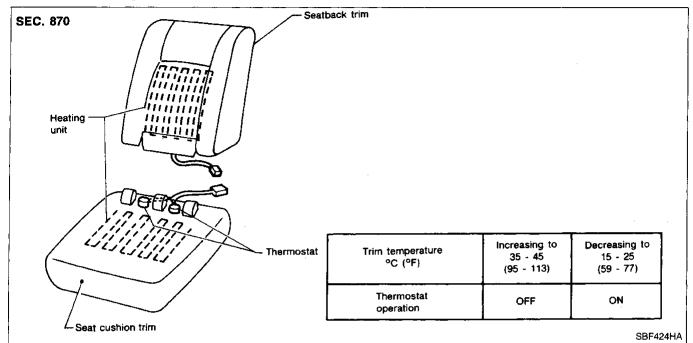
MANUAL SEAT



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

Seatback heating unit removal & installation



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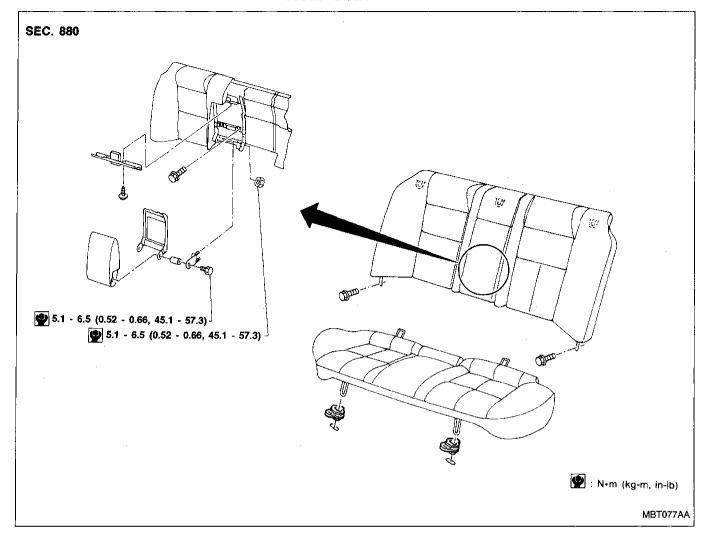
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Rear Seat

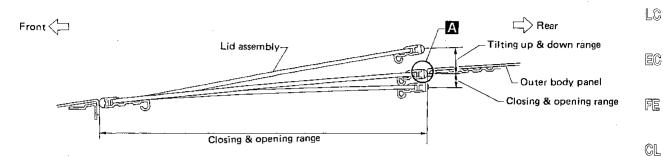


SUNROOF

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.
- 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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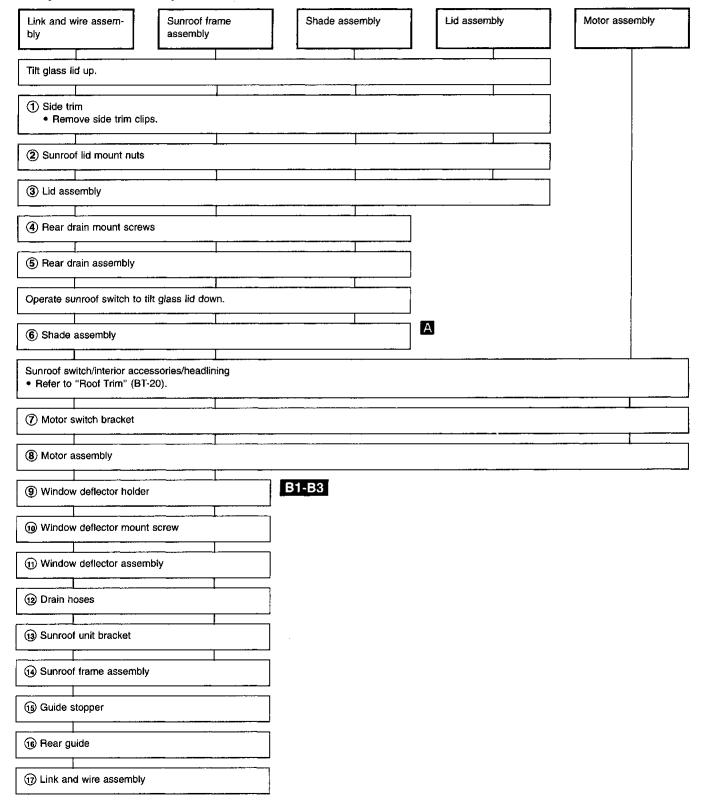
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REMOVAL

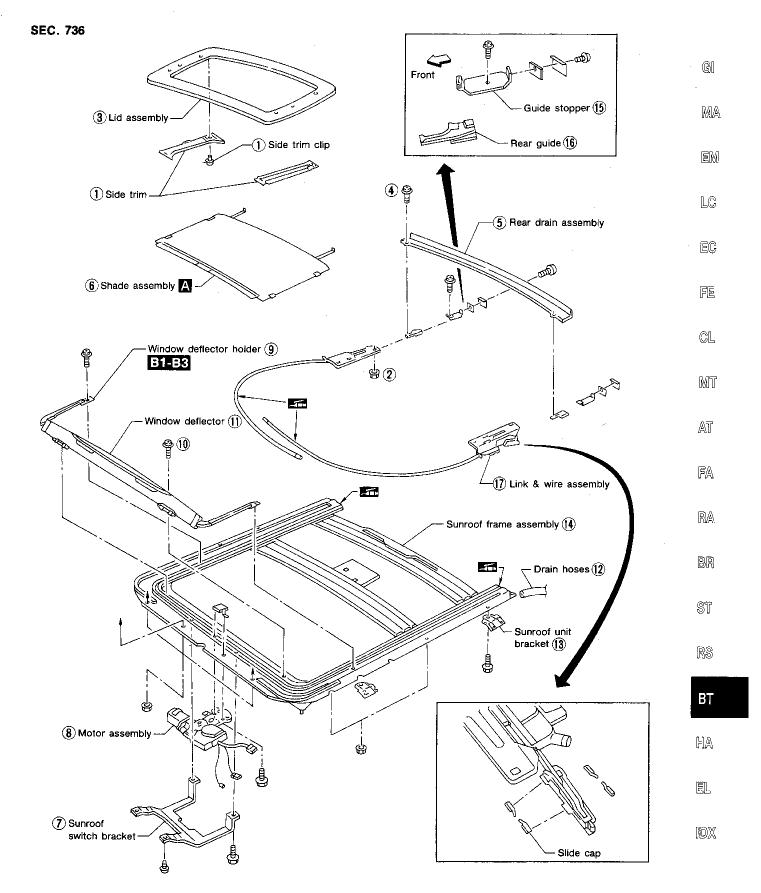
- After any adjustment, check sunroof operation and lid alignment.
- Handle finisher plate and glass lid with care so not to cause damage.
- It is desirable for easy installation to mark each point before removal.

CAUTION:

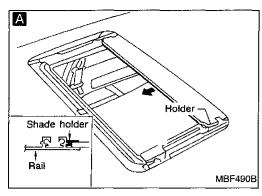
Always work with a helper.



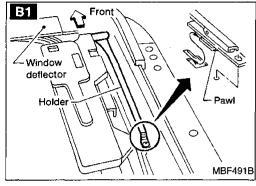
★ For Wiring Diagram, refer to "ELECTRIC SUNROOF" in EL section.



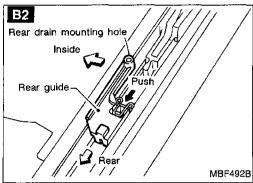
SUNROOF



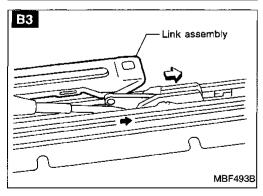
A Using flat-bladed screwdriver, pry shade assembly holder off rail. Then pull shade assembly forward to remove it from rail.



Disengage pawls from rail, then remove window deflector holder.

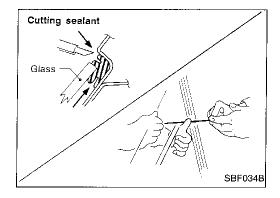


Using flat-bladed screwdriver, pry stopper spring off rail groove. Then slide rear guide backward to remove it from rail.



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

WINDSHIELD AND WINDOWS



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.

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After installing the glass, the vehicle should remain stationary until the sealant hardens.

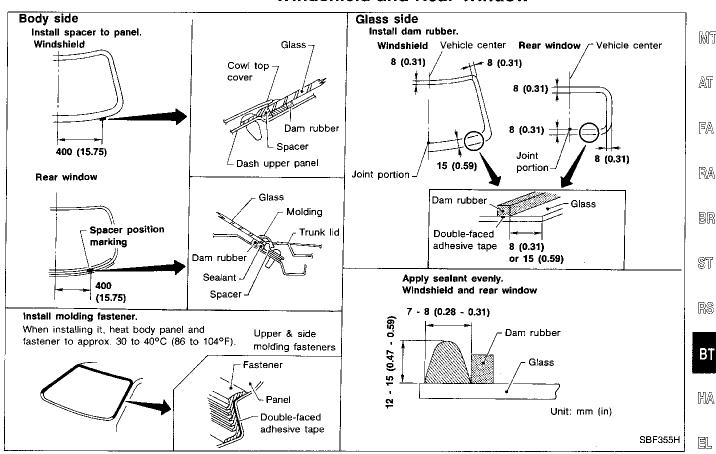
WARNING:

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:

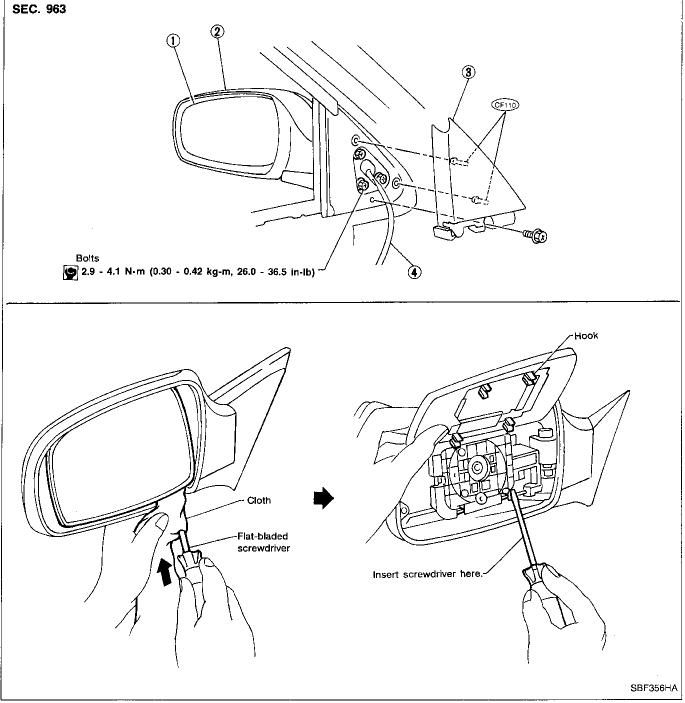
Door Mirror

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-19.
- 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. Do not insert screwdriver too far.



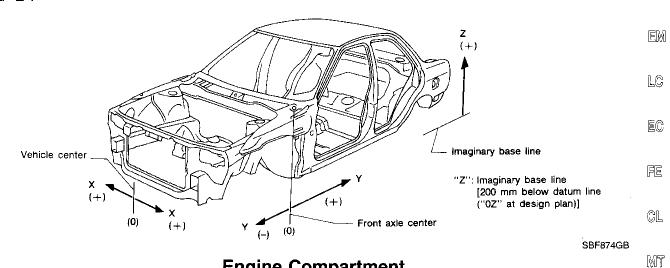
- 1 Mirror glass
- (2) Mirror body

(3) Inner cover

(4) Door mirror harness

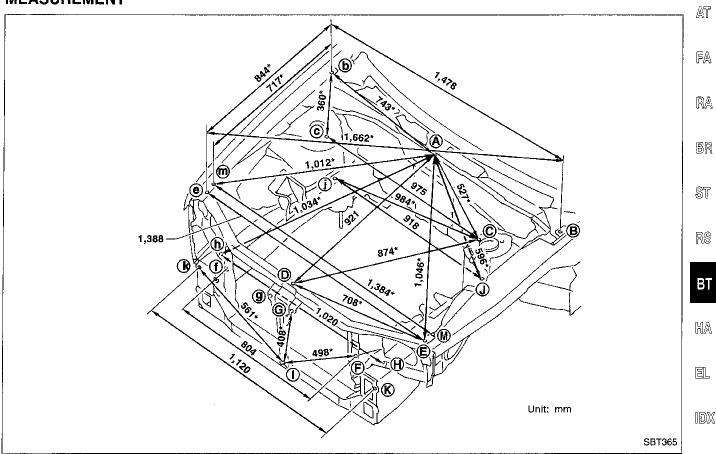
BODY ALIGNMENT

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



Engine Compartment

MEASUREMENT

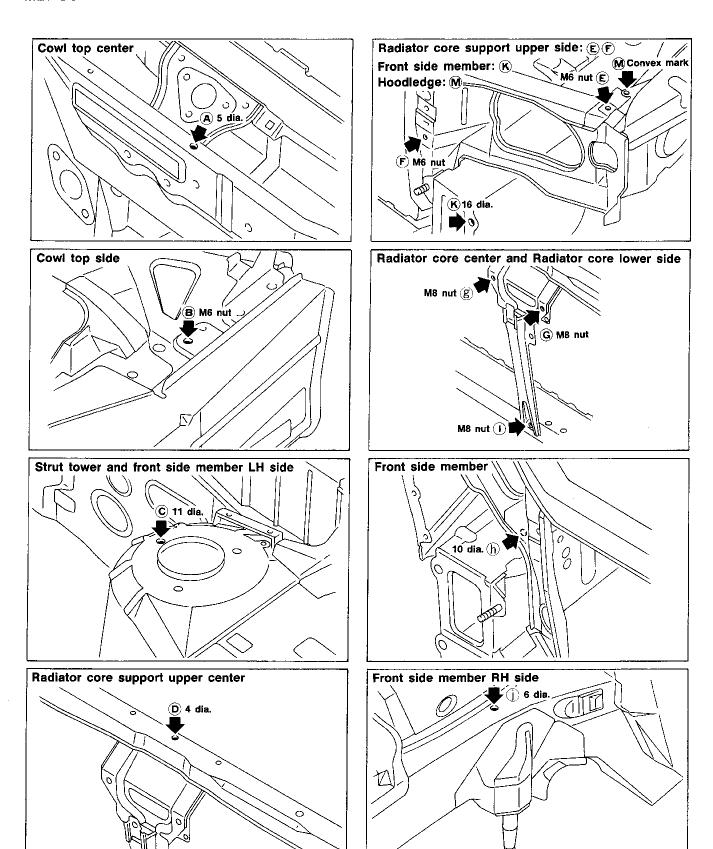


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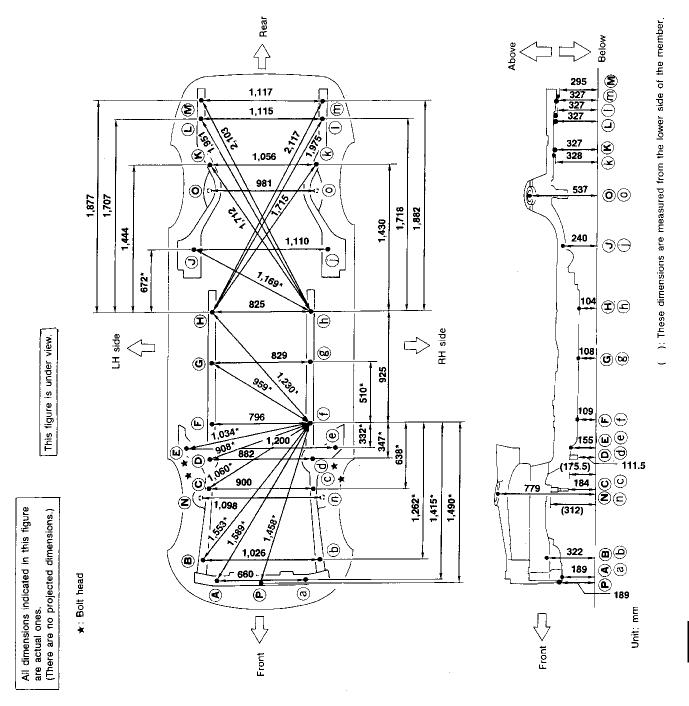
Engine Compartment (Cont'd)

MEASUREMENT POINTS



Underbody

MEASUREMENT



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Underbody (Cont'd)

MEASUREMENT POINTS

