

SECTION **BT**

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PRECAUTIONS

Service Notice

Service Notice

NCBT0001

- 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” and “SEAT BELT PRE-TENSIONER”

NCBT0002

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.

In addition to the supplemental air bag modules for a frontal collision, the supplemental side air bag used along with the seat belt helps to reduce the risk or severity of injury to the driver and front passenger in a side collision. The supplemental side air bag consists of air bag modules (located in the outer side of front seats), satellite sensor, diagnosis sensor unit (one of components of supplemental air bags for a frontal collision), wiring harness, warning lamp (one of components of supplemental air bags for a frontal collision). 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.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses (except “SEAT BELT PRE-TENSIONER” connector) can be identified with yellow harness connector (and with yellow harness protector or yellow insulation tape before the harness connectors).**

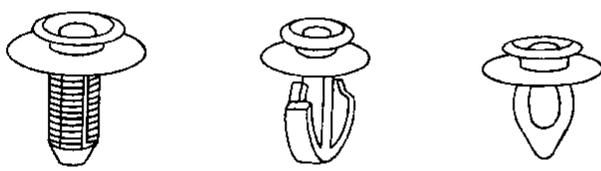
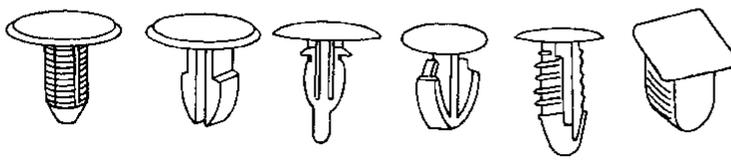
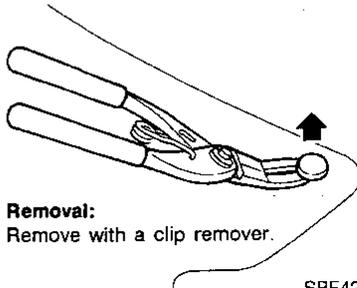
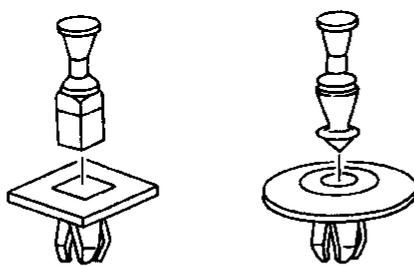
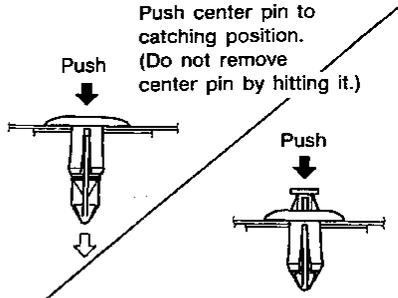
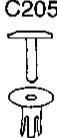
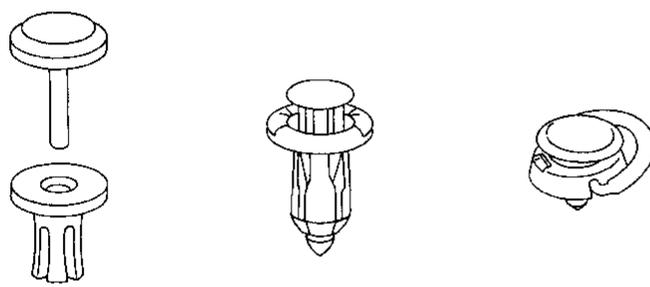
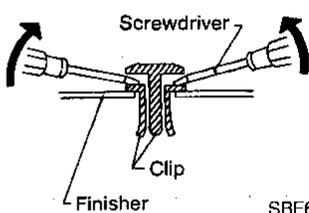
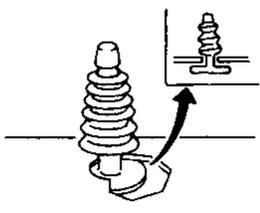
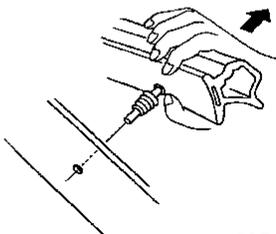
CLIP AND FASTENER

Description

Description

NCBT0003

- 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
C101 	 <p>SBF302H</p>	<p>Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.</p>  <p>SBF367BA</p>
C103 	 <p>SBT095</p>	 <p>Removal: Remove with a clip remover.</p> <p>SBF423H</p>
C203 	 <p>SBF258G</p>	<p>Push center pin to catching position. (Do not remove center pin by hitting it.)</p>  <p>Installation:</p> <p>SBF708E</p>
C205 	 <p>MBT080A</p>	<p>Removal:</p>  <p>Screwdriver Clip Finisher</p> <p>SBF638C</p>
CE103 	 <p>SBF104B</p>	<p>Removal:</p>  <p>SBF147B</p>

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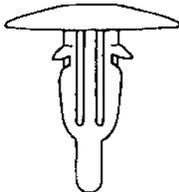
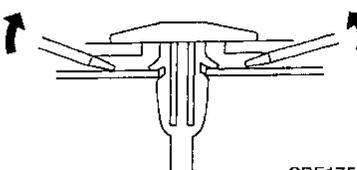
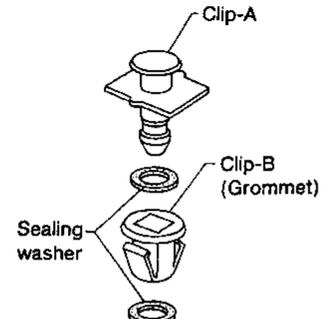
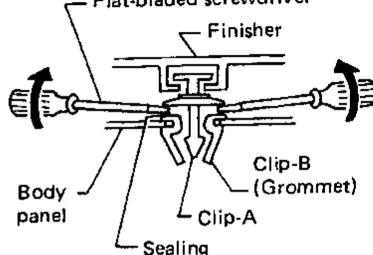
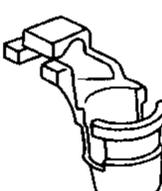
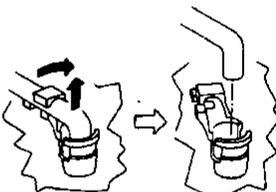
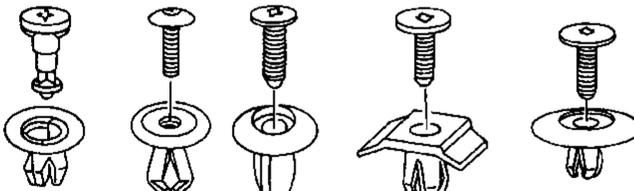
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CLIP AND FASTENER

Description (Cont'd)

Symbol No.	Shapes	Removal & Installation
<p>CE117</p> 	 <p style="text-align: right;">SBF174D</p>	<p>Removal: Remove by bending up with a flat-bladed screwdriver or pliers.</p>  <p style="text-align: right;">SBF175DA</p>
<p>CF118</p> 	 <p style="text-align: right;">SBF151D</p>	<p>Removal: Flat-bladed screwdriver Finisher</p>  <p style="text-align: right;">SBF259G</p>
<p>CR103</p>	 <p style="text-align: right;">SBF768B</p>	<p>Removal: Holder portion of clip must be spread out to remove rod.</p>  <p style="text-align: right;">SBF770B</p>
<p>CS101</p> 	 <p style="text-align: right;">SBF078B</p>	<p>Removal:</p> <ol style="list-style-type: none"> 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver.  <p style="text-align: right;">SBF992G</p>

BODY FRONT END

Removal and Installation

Removal and Installation

NCBT0004

- When removing or installing hood, place a cloth or other padding on the front fender panels and cowl top. This prevents vehicle body from being scratched. GI
- 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. MA
- Hood lock adjustment: After adjusting, check hood lock control operation. Apply a coat of grease to hood locks engaging mechanism. EM
- Hood opener: Do not attempt to bend cable forcibly. Doing so increases effort required to unlock hood.

FRONT BUMPER ASSEMBLY

NCBT0004S01

1. Remove clips securing bumper fascia to engine undercover. **B** LC
2. Remove bolts securing bumper to radiator core lower support. **B**
3. Remove screws and clips securing left and right sides of front fender protector. **C** EC
4. Remove bolts securing left and right front fenders to bumper fascia. **D**
5. Remove clips securing bumper reinforcement assembly to bumper fascia. **E** FE
6. Extract bumper fascia assembly.
7. Remove energy absorber. **F**
8. Remove bolts and nuts securing headlamp assembly. **G** CL
9. Remove bolt and nuts securing bumper reinforcement assembly. **H**
10. Remove the pin from the bolts which fix the bumper reinforcement assembly. **J**
11. Remove bolts securing bumper reinforcement assembly. **K** MT
12. Extract bumper reinforcement assembly. AT

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BODY FRONT END

Removal and Installation (Cont'd)

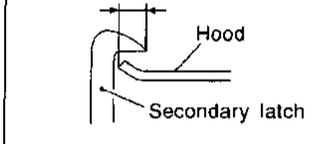
SEC. 261•620•623•650•656

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

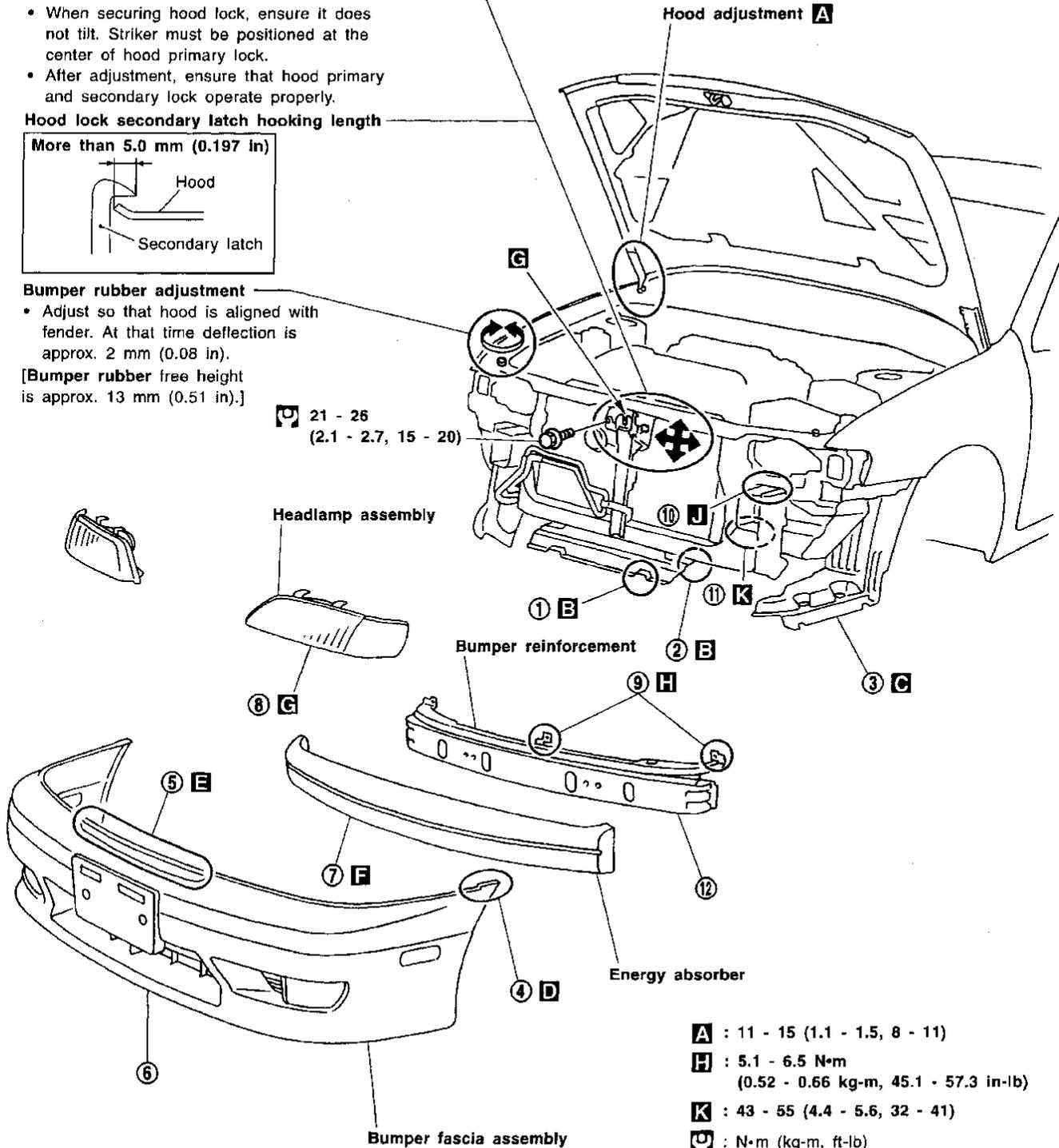
More than 5.0 mm (0.197 in)



Bumper rubber adjustment

- Adjust so that hood is aligned with fender. At that time deflection is approx. 2 mm (0.08 in).

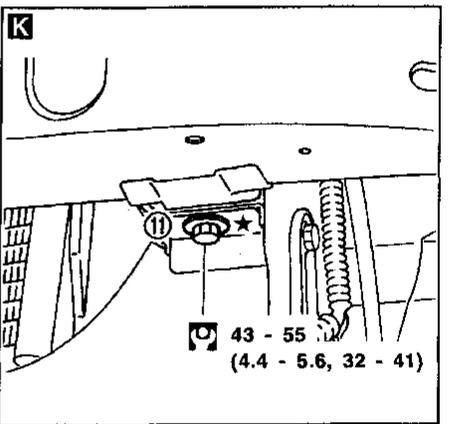
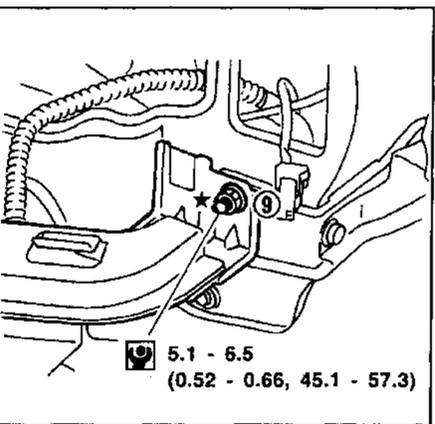
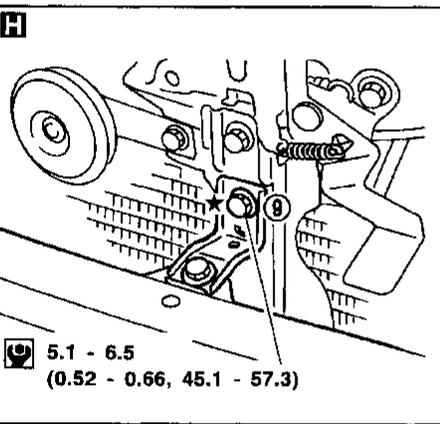
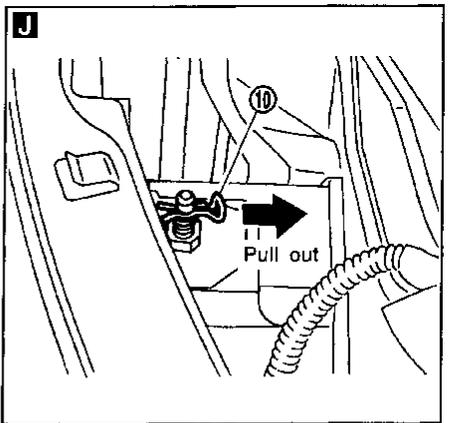
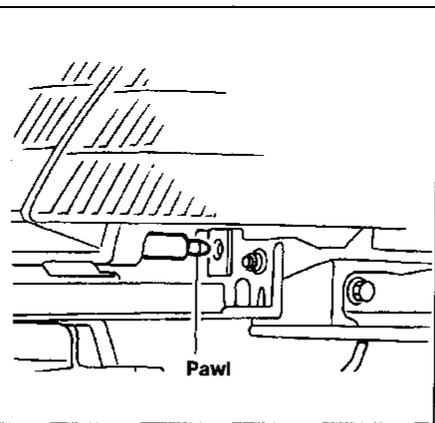
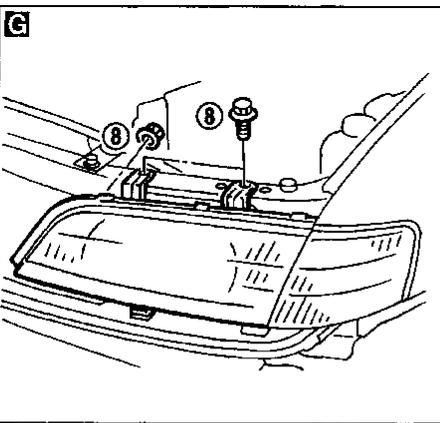
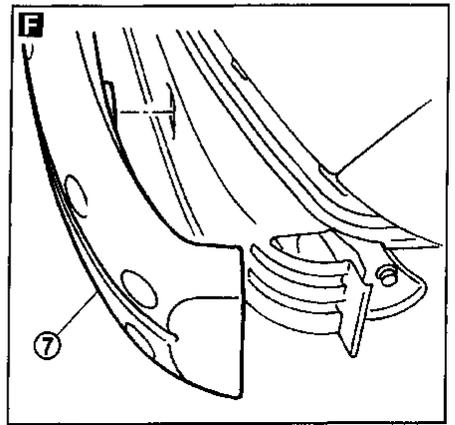
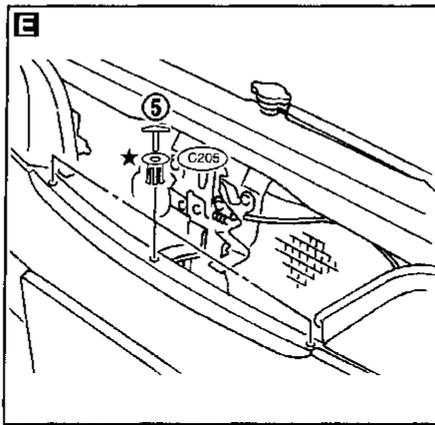
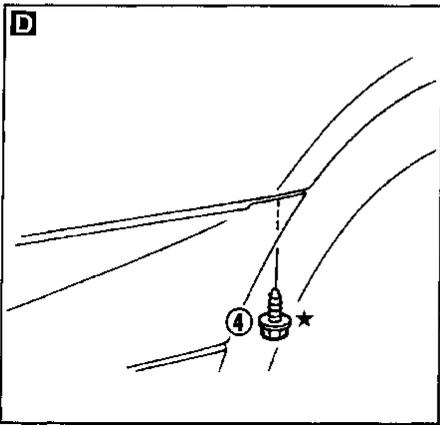
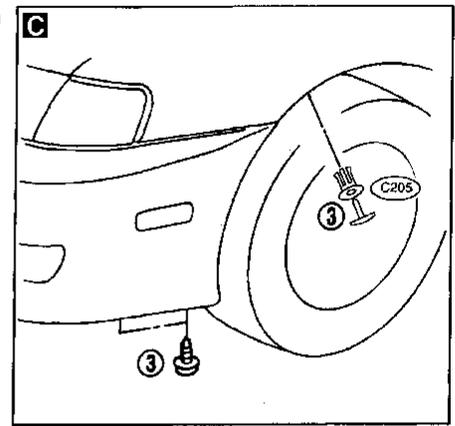
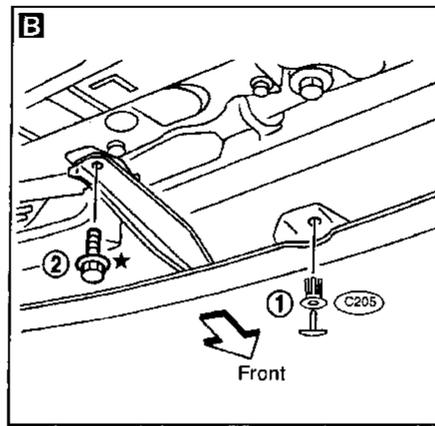
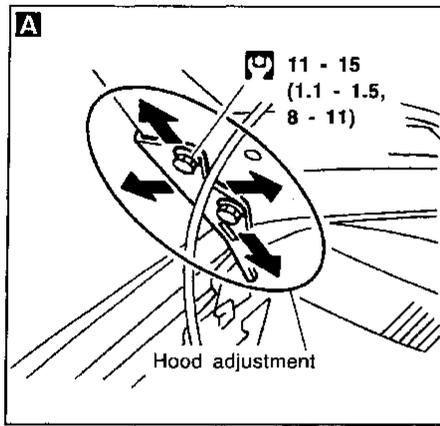
[Bumper rubber free height is approx. 13 mm (0.51 in).]



SBT651

BODY FRONT END

Removal and Installation (Cont'd)



★: Bumper assembly mounting bolts, nuts and clips

: N·m (kg·m, ft·lb)

: N·m (kg·m, in·lb)

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BODY REAR END AND OPENER

Removal and Installation

Removal and Installation

NCBT0005

- When removing or installing trunk lid, place a cloth or other padding on the rear fender panels. 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.

WARNING:

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

REAR BUMPER ASSEMBLY

NCBT0005S01

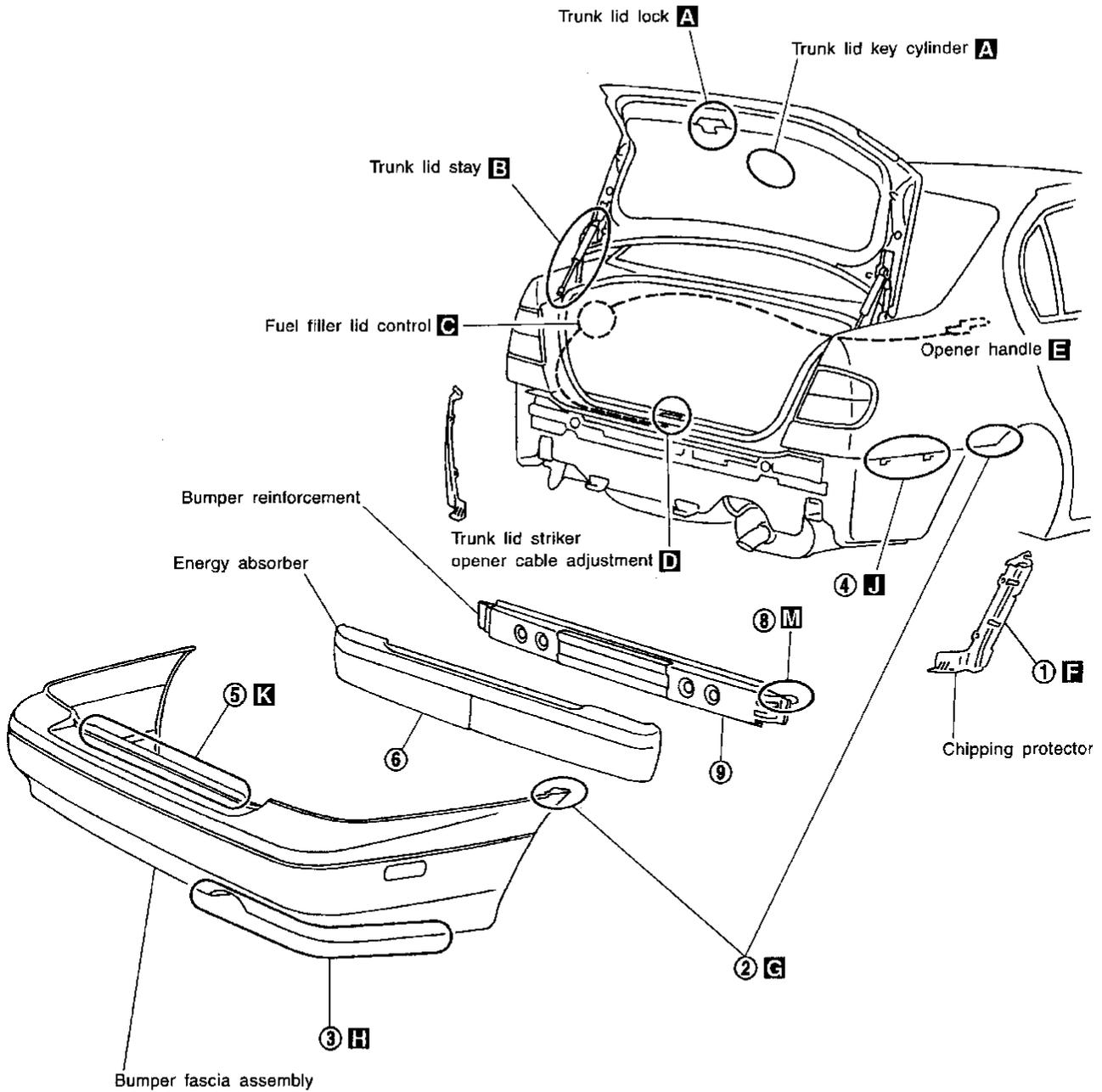
1. Remove clips left and right chipping protectors. **F**
2. Remove bolts securing left and right rear fenders to bumper fascia. **G**
3. Remove clips securing bumper fascia. **H**
4. Open bumper fascia side outward to disengage from side clip. **J**
5. Extract bumper fascia assembly after removing the clamps fixing it. **K**
6. Remove energy absorber.
7. Remove trunk floor carpet.
8. Working from inside the trunk, remove left and right plugs from floor and then remove bumper reinforcement mounting bolts. **M**
9. Extract bumper reinforcement.

BODY REAR END AND OPENER

Removal and Installation (Cont'd)

SEC. 843•844•850

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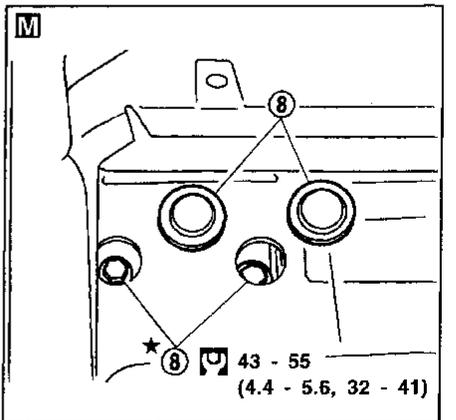
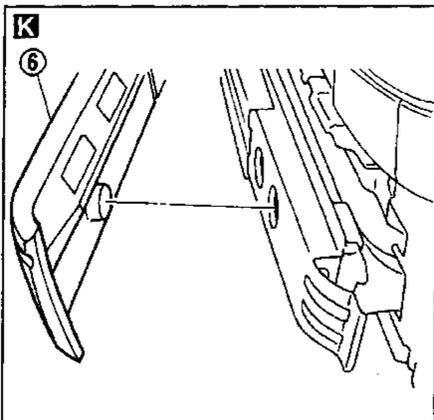
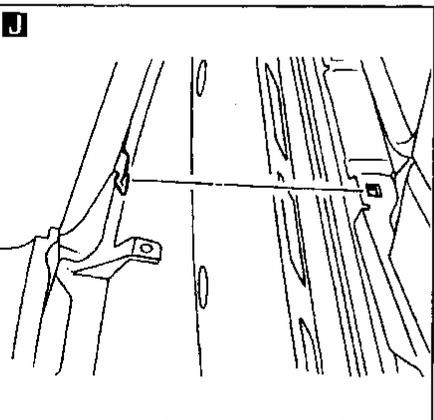
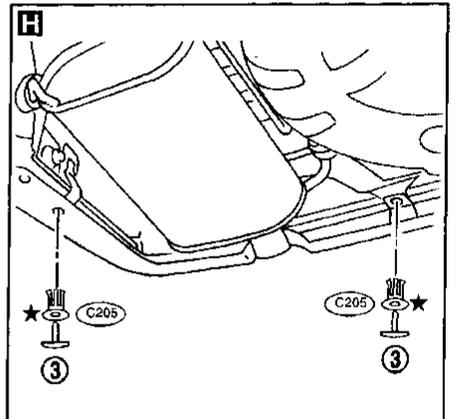
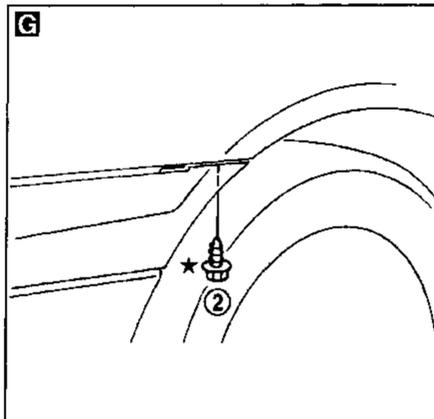
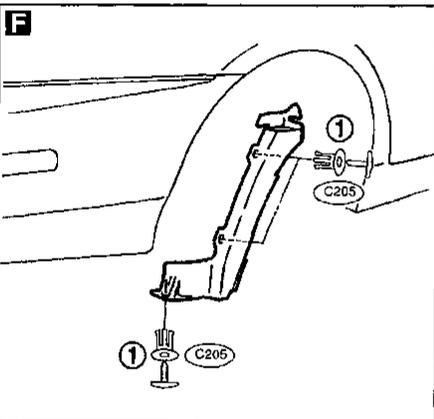
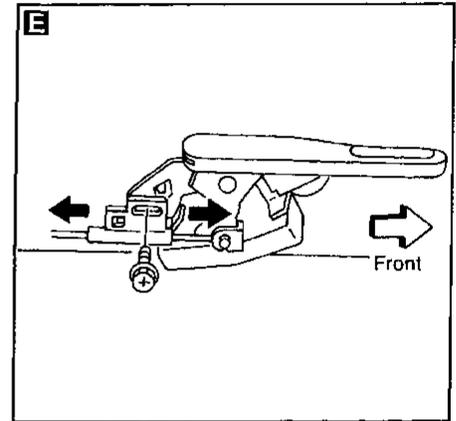
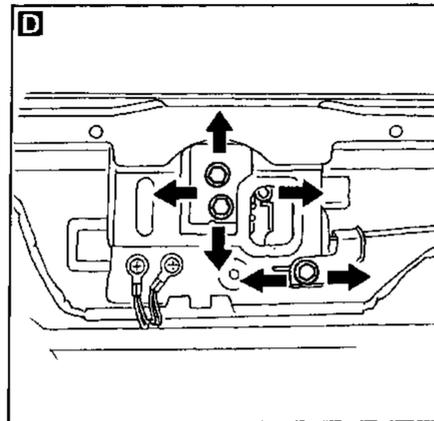
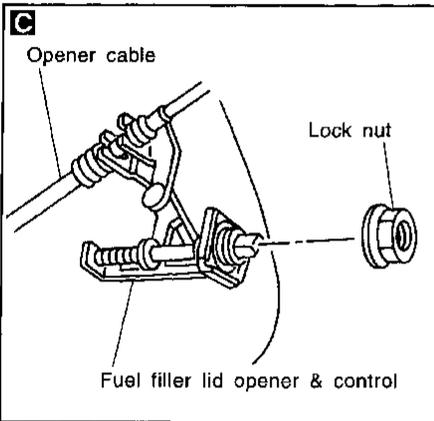
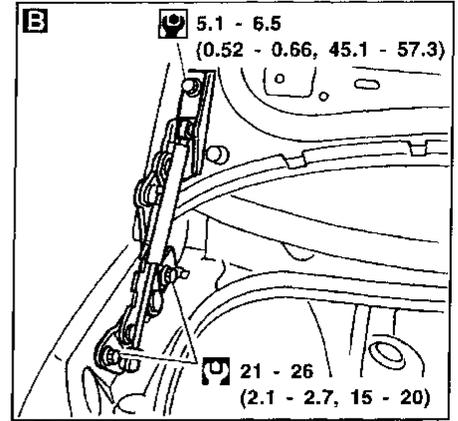
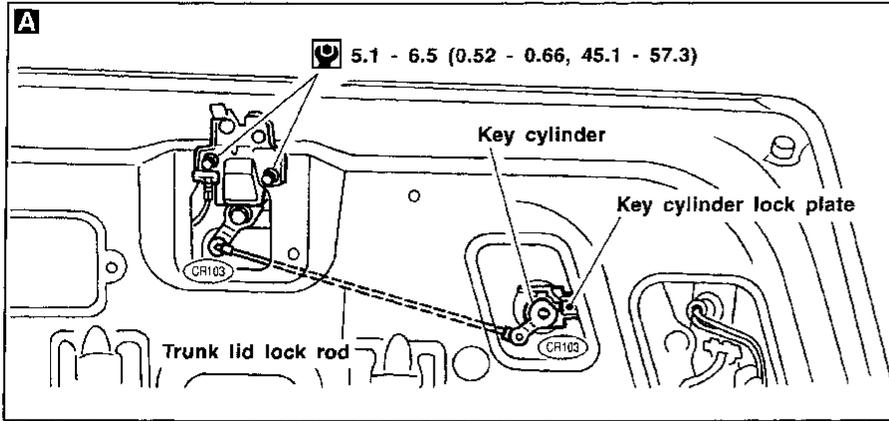


- A** : 5.1 - 6.5 N•m
(0.52 - 0.66 kg-m, 45.1 - 57.3 in-lb)
- B** : 21 - 26 (2.1 - 2.7, 15 - 20)
5.1 - 6.5 N•m (0.52 - 0.66 kg-m, 45.1 - 57.3 in-lb)
- M** : 43 - 55 (4.4 - 5.6, 32 - 41)
- G** : N•m (kg-m, ft-lb)

SBT653

BODY REAR END AND OPENER

Removal and Installation (Cont'd)



★: Bumper assembly mounting bolts and clips

: N·m (kg-m, ft-lb)

: N·m (kg-m, in-lb)

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FRONT DOOR

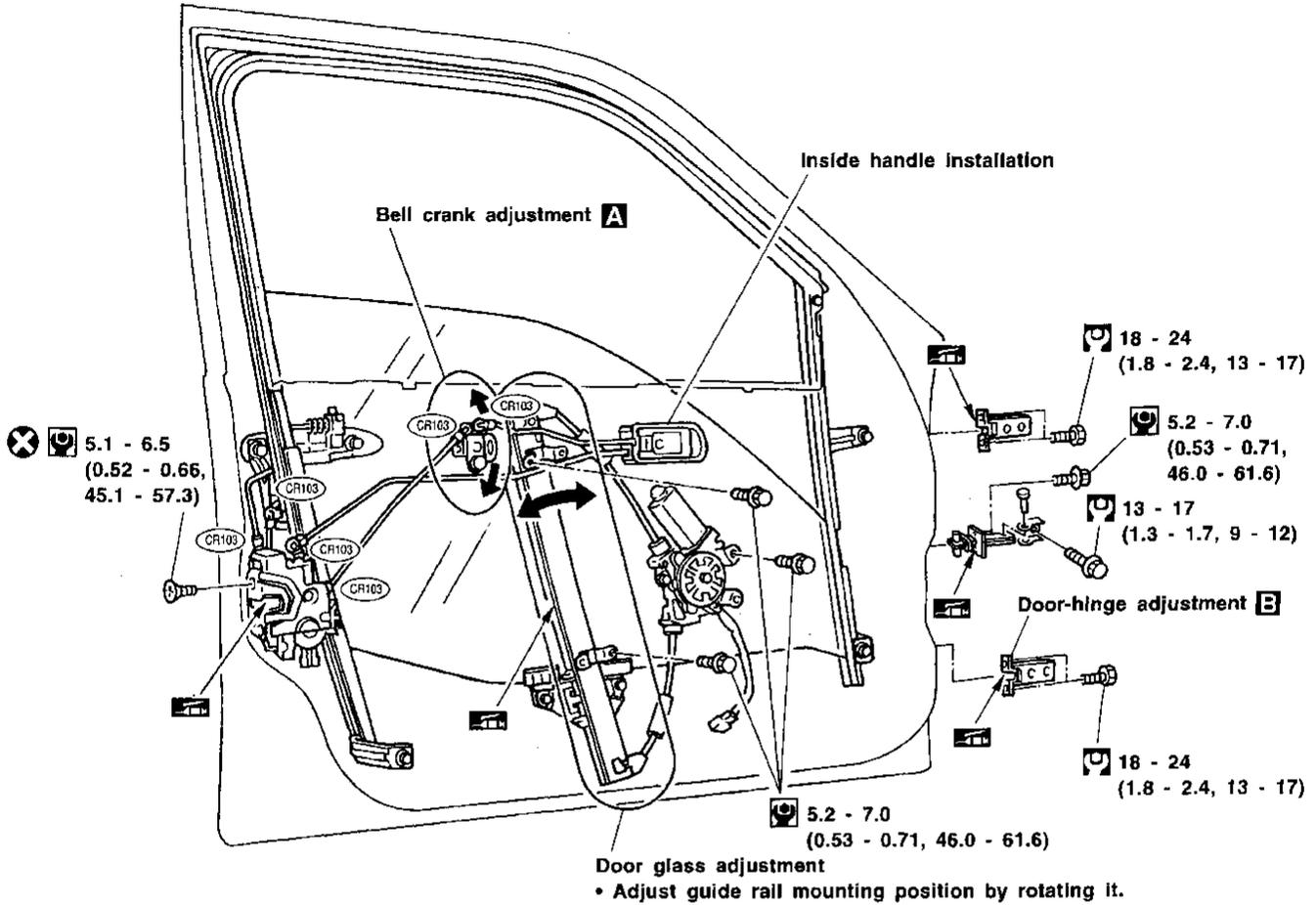
Overhaul

NCBT0006

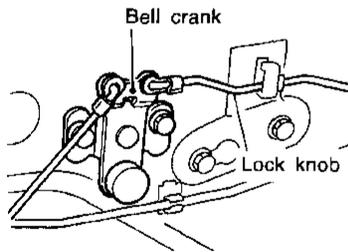
Overhaul

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

SEC. 800•803•805

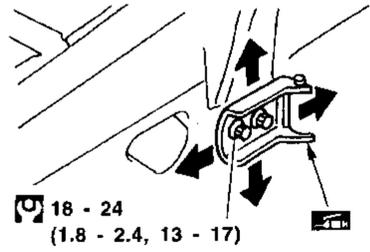


A Bell crank adjustment

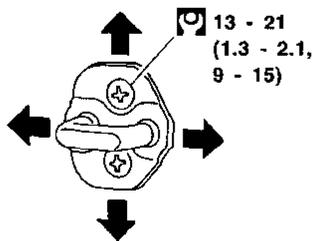


Lock door after setting door lock assembly and inside handle in position. Move bell crank in direction of arrow (shown in figure at left) to take up knob free play, and secure with bolts.

B Door-hinge adjustment



Striker adjustment



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

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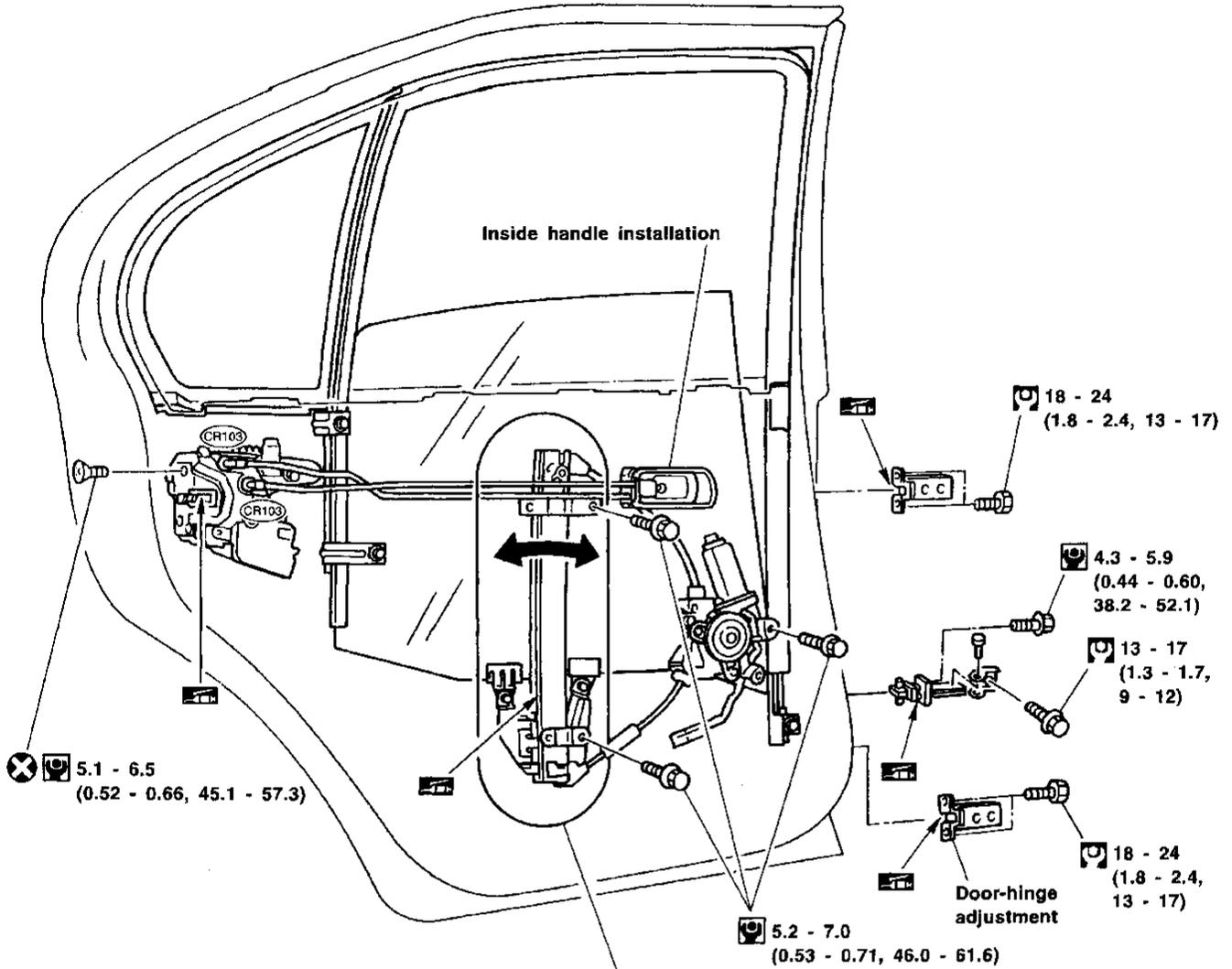
REAR DOOR

Overhaul

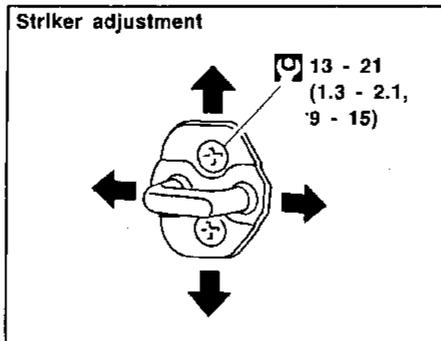
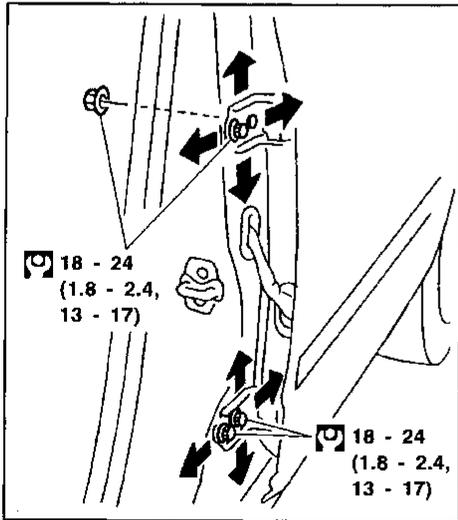
Overhaul

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SEC. 820•823•825



Door glass adjustment
 • Adjust guide rail mounting position by rotating it.



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

SBT650

Removal and Installation

NCBT0008

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.

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INSTRUMENT PANEL ASSEMBLY

Removal and Installation (Cont'd)

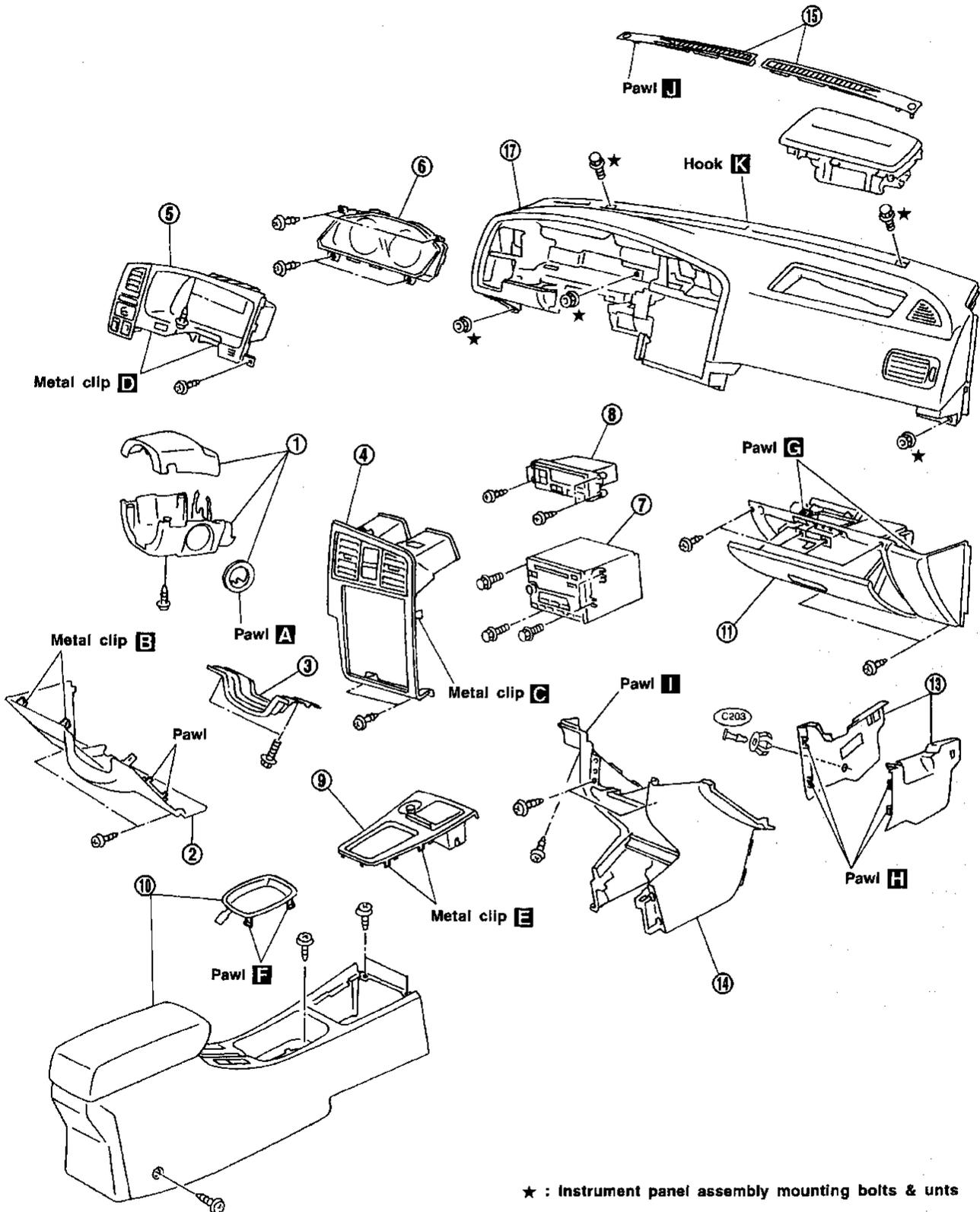
Instrument panel assembly	Combination meter	Audio & A/C control	Console box
Remove air bag module (driver) and steering wheel. Refer to "SUPPLEMENTAL RESTRAINT SYSTEM" in RS section for details.			
Remove dash side lower finishers. Refer to "SIDE AND FLOOR TRIM" for details,*1.			
① Steering column cover and combination switch • Remove screws and harness connectors.			
② Instrument lower panel on driver side • Remove screws.			
③ Instrument lower reinforcement • Remove bolts.			
Remove steering column mounting nuts. Refer to "STEERING WHEEL AND STEERING COLUMN" in ST section for details.			
④ Cluster lid C • Remove screws then disconnect harness connectors.			
⑤ Cluster lid A • Remove screws then disconnect harness connectors.			
⑥ Combination meter • Remove screws then disconnect harness connectors.			
⑦ Audio • Remove bolts then disconnect harness connectors.			
⑧ A/C control unit • Remove screws then disconnect harness connectors.			
⑨ Console M/T or A/T finisher			
⑩ Console box assembly • Remove screws then disconnect harness connectors.			
⑪ Glove box assembly • Remove screws and glove box lamp socket.			
⑫ Passenger air bag module • Refer to "SUPPLEMENTAL RESTRAINT SYSTEM" in RS section.			
⑬ Lower instrument cover • Remove clip.			
⑭ Lower instrument panel center • Remove screws.			
⑮ Defroster grille • Disconnect connectors.			
⑯ Front pillar garnish • Refer to "SIDE AND FLOOR TRIM" for details,*1.			
⑰ Instrument panel and pads • Remove bolts and nuts.			

SBT661

*1: BT-17

INSTRUMENT PANEL ASSEMBLY

Removal and Installation (Cont'd)

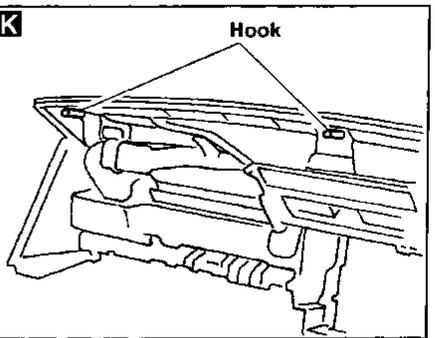
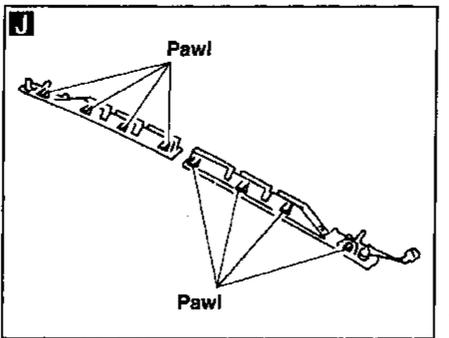
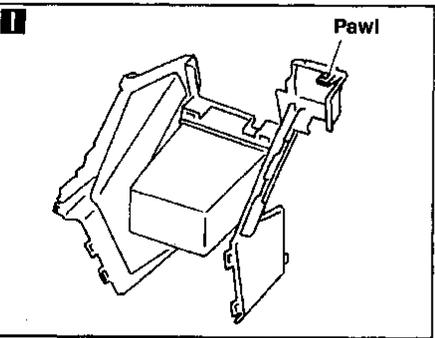
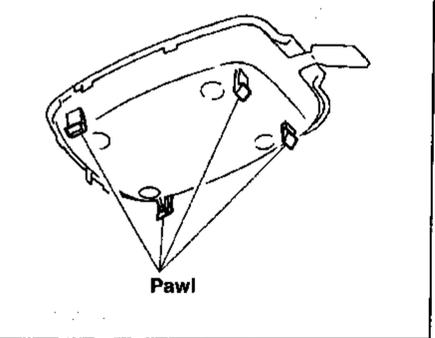
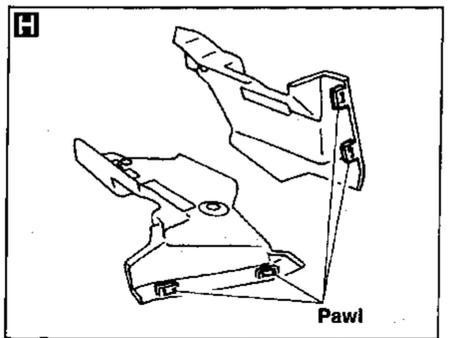
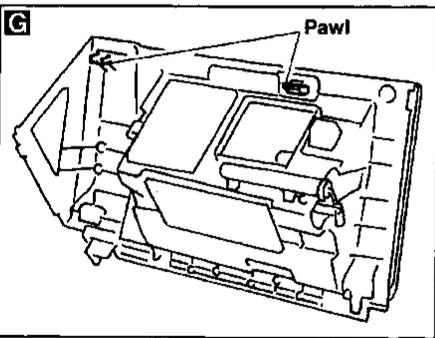
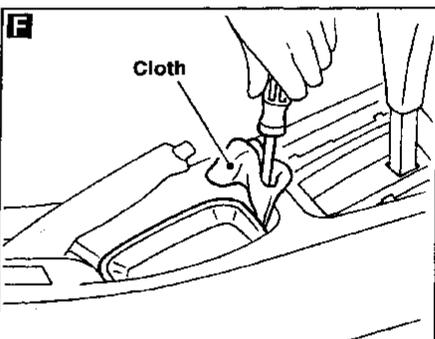
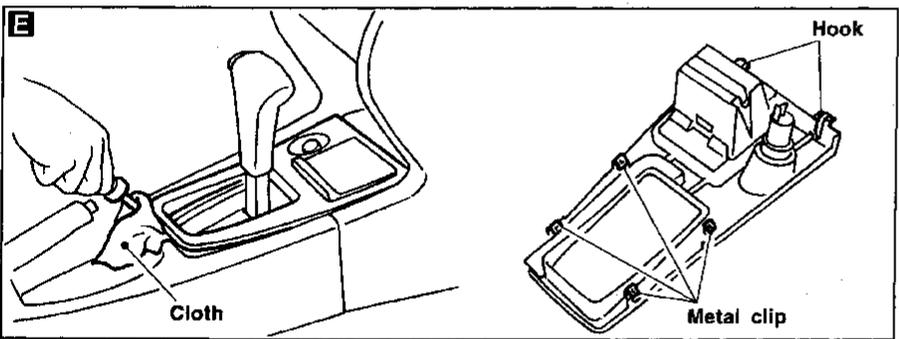
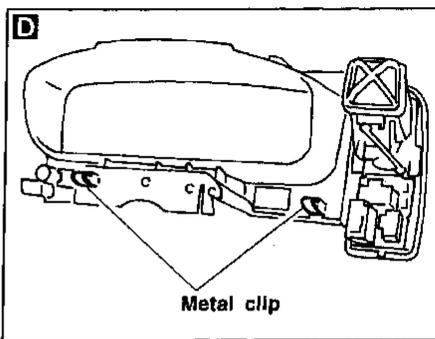
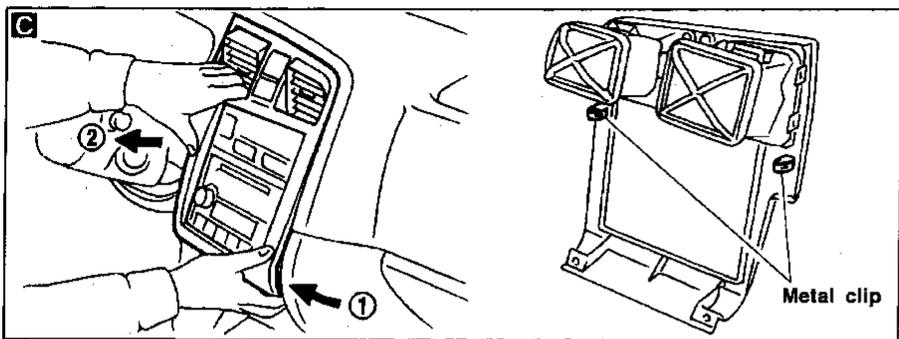
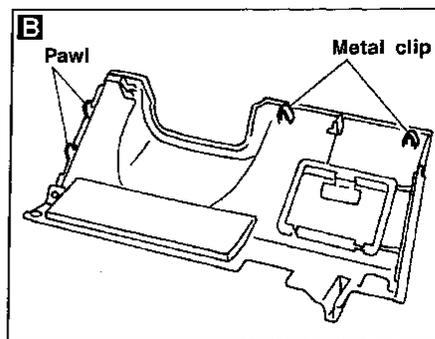
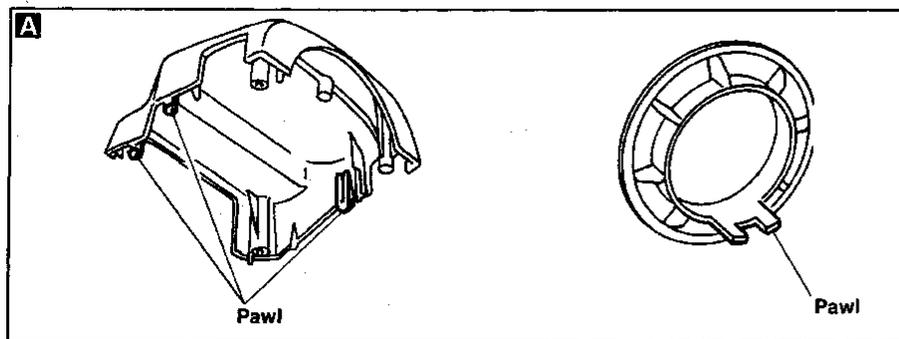


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SBT644

INSTRUMENT PANEL ASSEMBLY

Removal and Installation (Cont'd)



SBT645

Removal and Installation

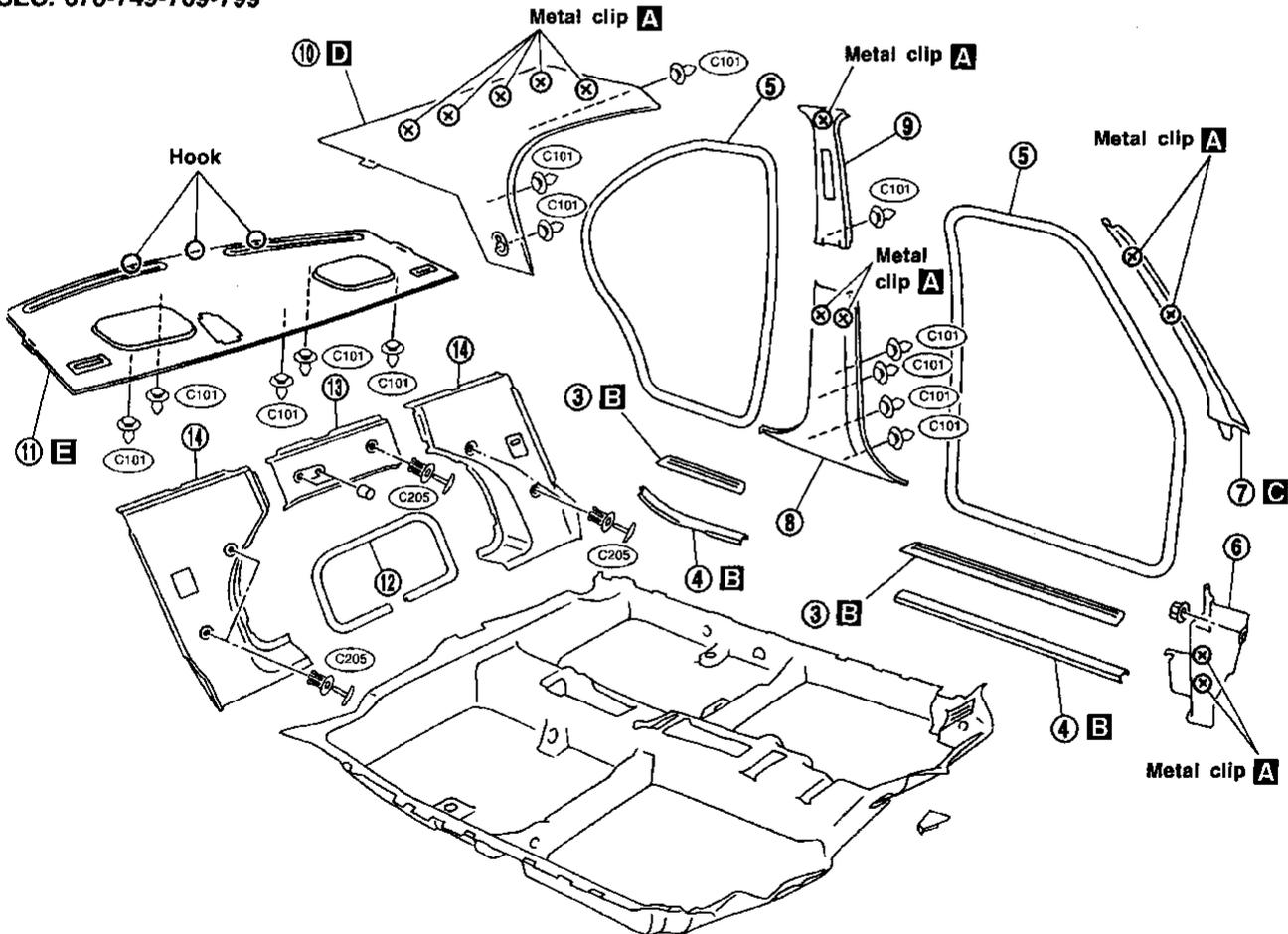
NCB70009

CAUTION:

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

1. Remove front and rear seats. Refer to "FRONT SEAT" and "REAR SEAT" for details, BT-29 and BT-32.
2. Remove front and rear seat belts. Refer to "SEAT BELTS" in RS section for details.
3. Remove front and rear outer kicking plates. **B**
4. Remove front and rear inner kicking plates. **B**
5. Remove front and rear body side welts.
6. Remove dash side lower finishers.
7. Remove front pillar garnishes. **C**
8. Remove center pillar lower garnishes.
9. Remove center pillar upper garnishes.
10. Remove rear pillar garnishes. **D**
11. Remove rear parcel shelf. **E**
12. Remove seatback welt.
13. Remove seatback center finisher.
14. Remove seatback side finishers.

SEC. 678•749•769•799

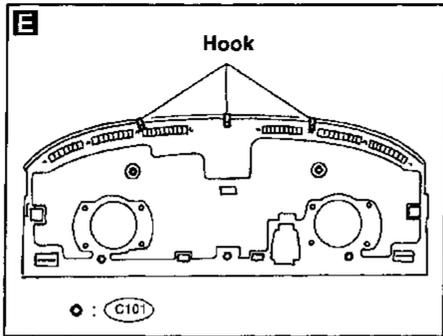
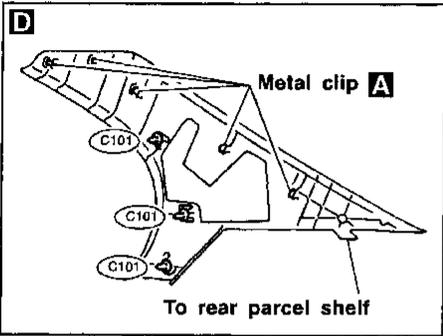
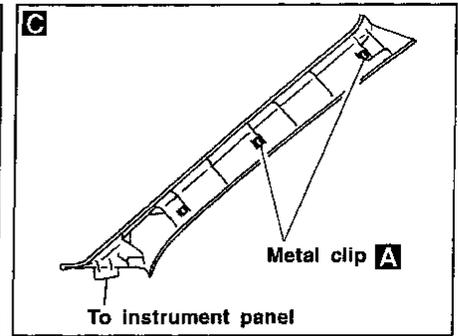
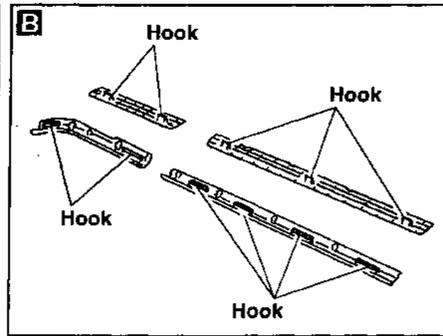
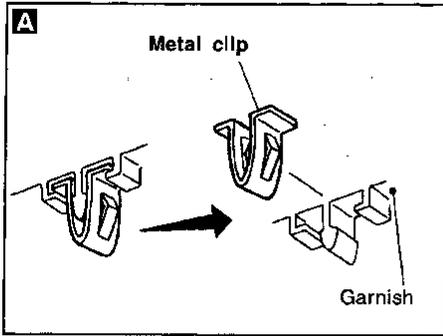


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SIDE AND FLOOR TRIM

Removal and Installation (Cont'd)



SBT647

DOOR TRIM

Removal and Installation

Removal and Installation

NCBT0010

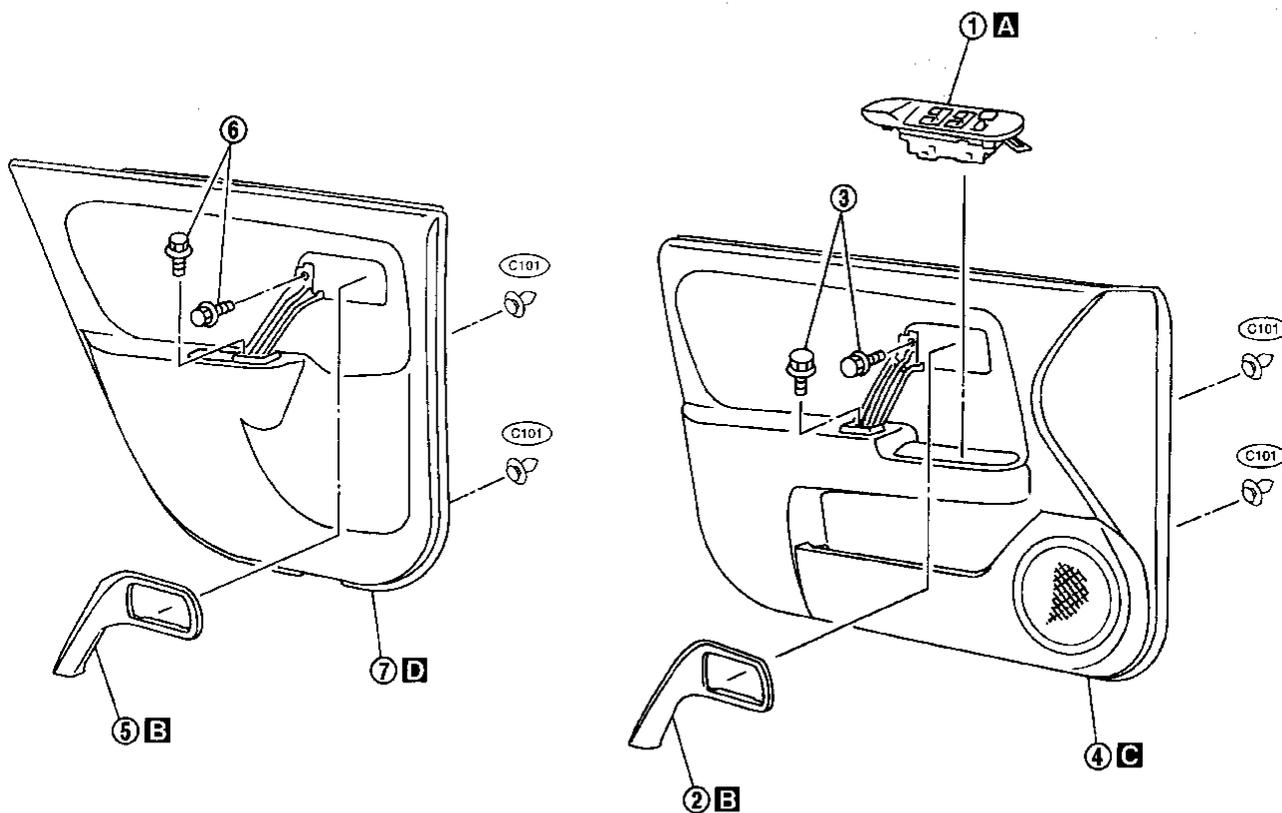
Front Door Trim

1. Remove power window switch, then disconnect the connector. **A**
2. Remove inside handle escutcheon. **B**
3. Remove bolts securing door finisher.
4. Pull on door finisher to remove clips from door panel and remove door finisher. **C**

Rear Door Trim

5. Remove inside handle escutcheon. **B**
6. Remove bolts securing door finisher.
7. Pull on door finisher to remove clips from door panel and remove door finisher, then disconnect power window switch connector. **D**

SEC. 251•809•828



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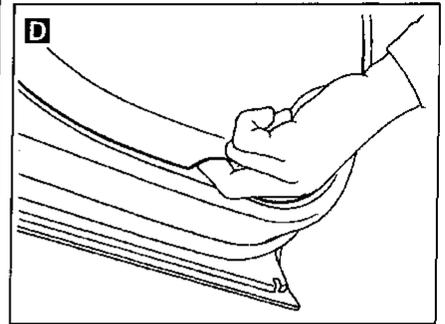
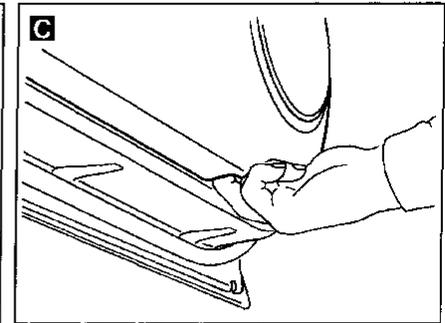
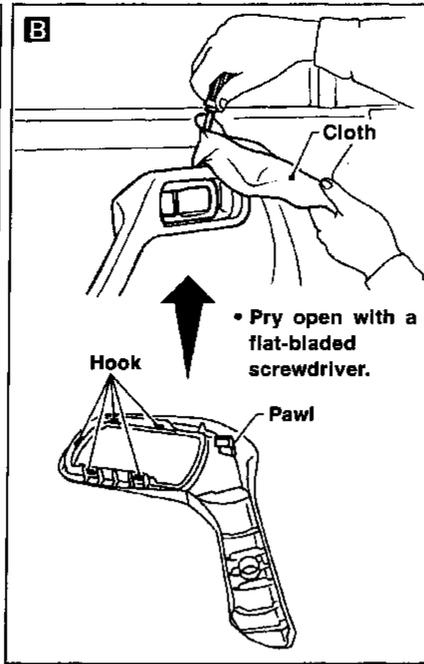
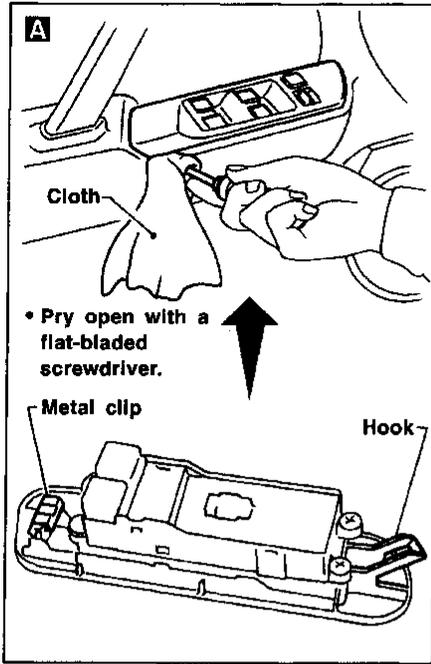
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DOOR TRIM

Removal and Installation (Cont'd)



SBT393

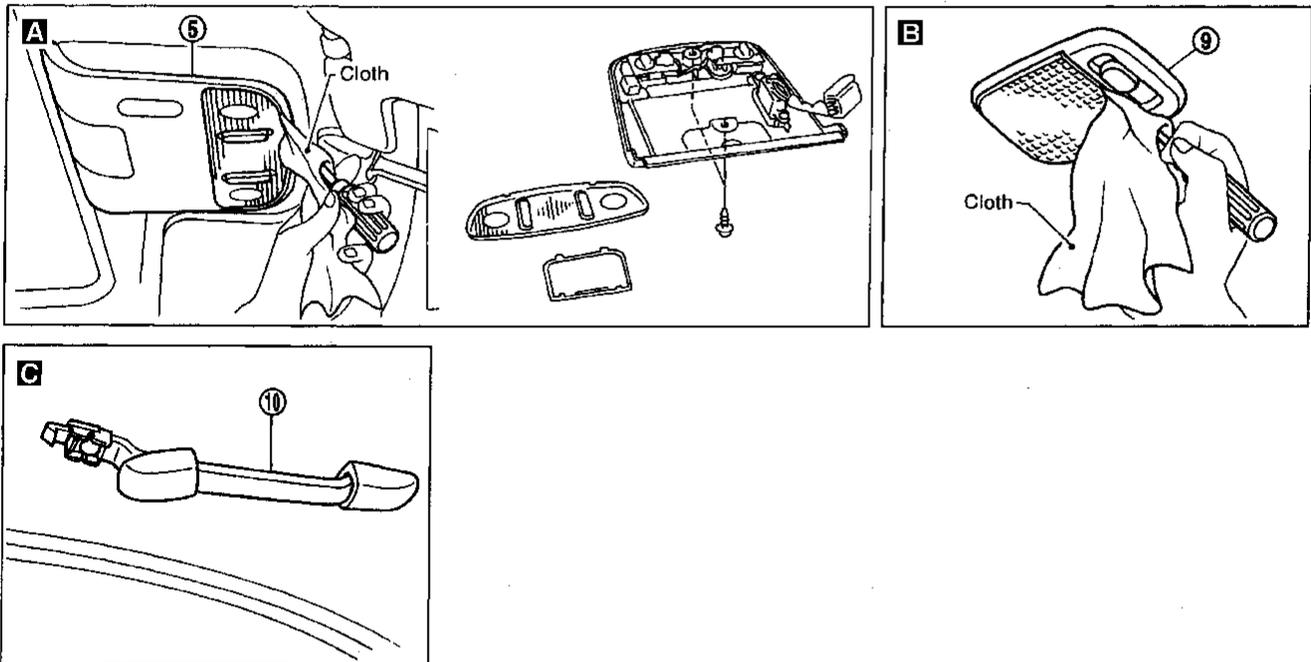
ROOF TRIM

Removal and Installation

Removal and Installation

NCBT0011

1. Remove front and rear seats. Refer to "FRONT SEAT" and "REAR SEAT" for details, BT-29 and BT-32.
2. Remove instrument panel. Refer to "INSTRUMENT PANEL ASSEMBLY" for details, BT-13.
3. Remove front and rear seat belts. Refer to "SEAT BELTS" in RS section for details.
4. Remove body side trim. Refer to "SIDE AND FLOOR TRIM" for details, BT-17.
5. Remove sunroof switch or spot lamp switch. **A**
6. Remove sunroof welt.
7. Remove inside mirror assembly.
8. Remove sun visors.
9. Remove interior lamp. **B**
10. Remove assist grips. **C**
11. Remove clips securing headlining.
12. Remove headlining.



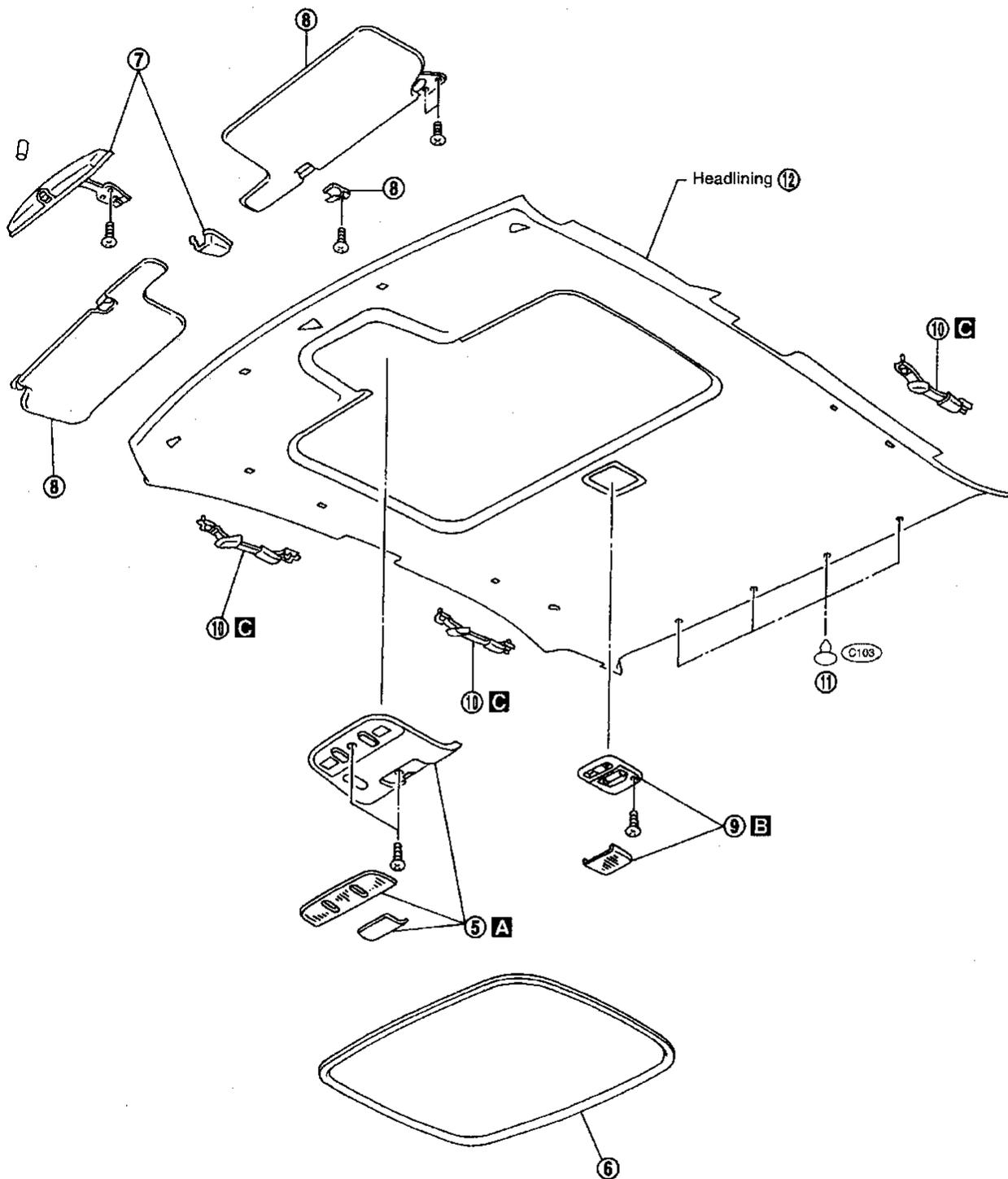
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SBT394

ROOF TRIM

Removal and Installation (Cont'd)

SEC. 264•738•963•964



SBT395

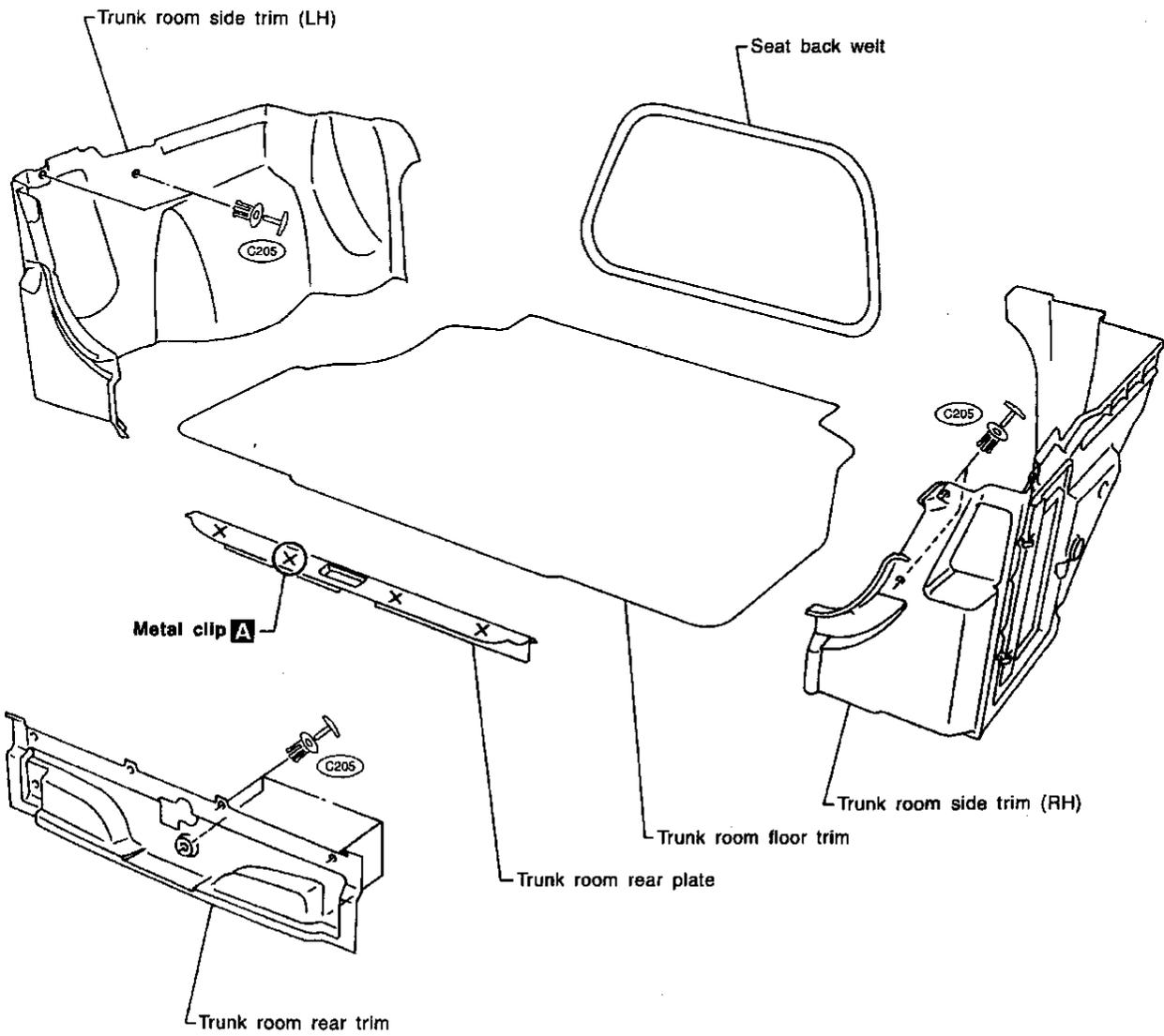
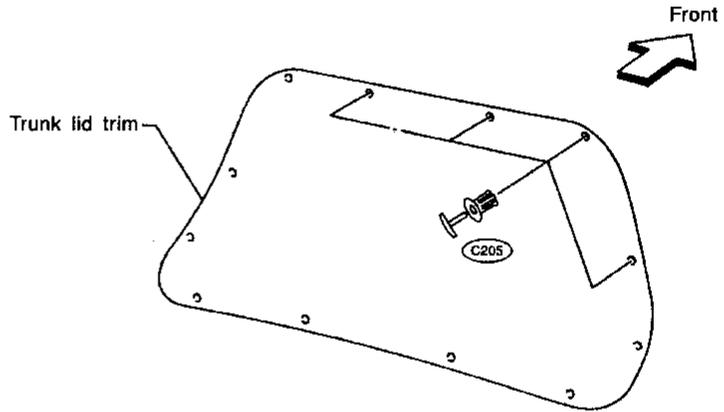
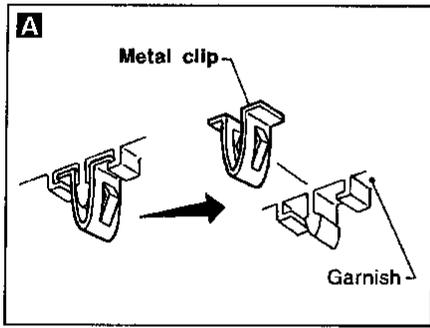
TRUNK ROOM TRIM

Removal and Installation

Removal and Installation

NCBT0012

SEC. 849



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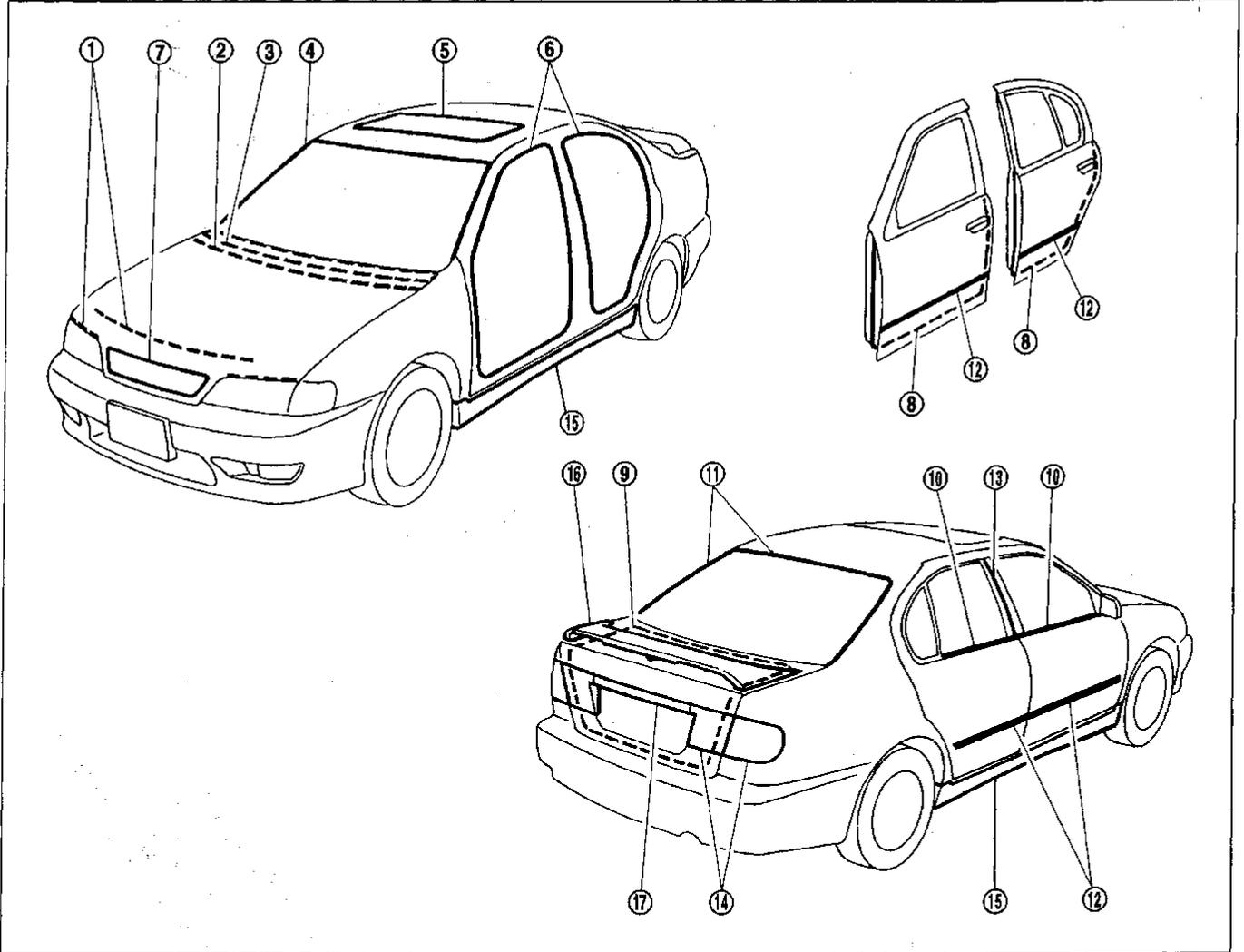
SBT396

EXTERIOR

Removal and Installation

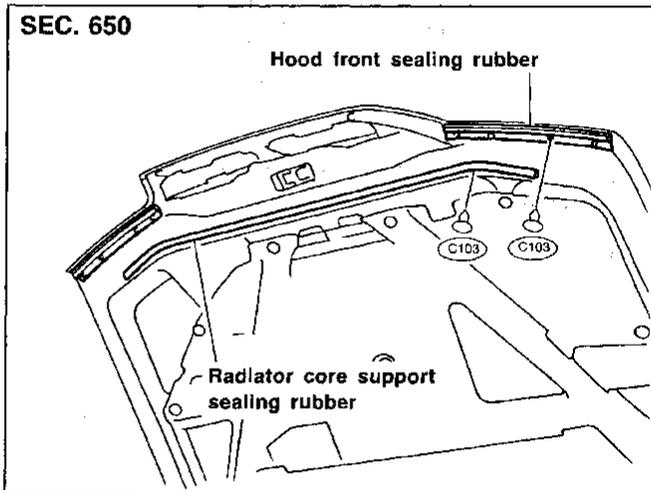
Removal and Installation

NCBT0013



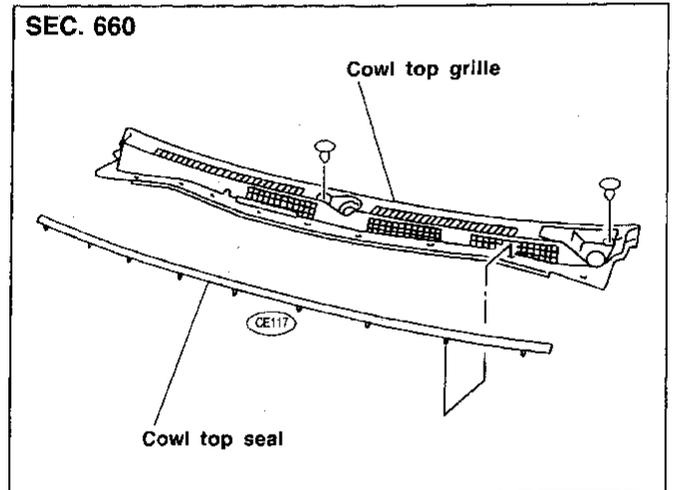
① Hood front sealing rubber

SEC. 650



② ③ Cowl top seal and cowl top grille

SEC. 660



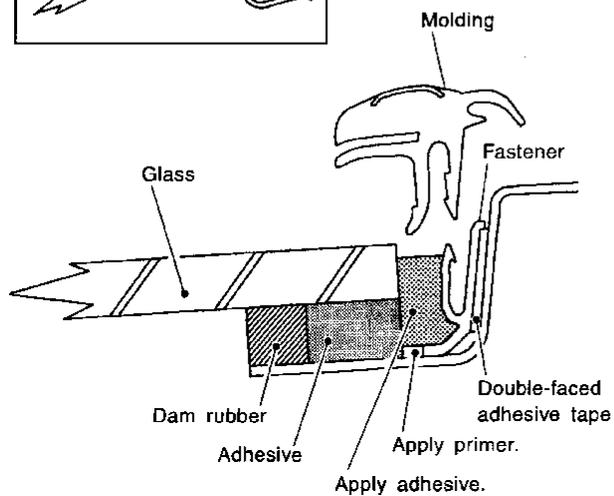
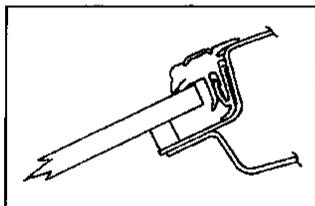
SBT655

④ Front windshield molding

• Upper molding

SEC. 720

1. Cut off adhesive at glass end.
2. Remove old adhesive from panel surface.
3. Set molding fastener and apply primer to body panel, and apply adhesive to body.



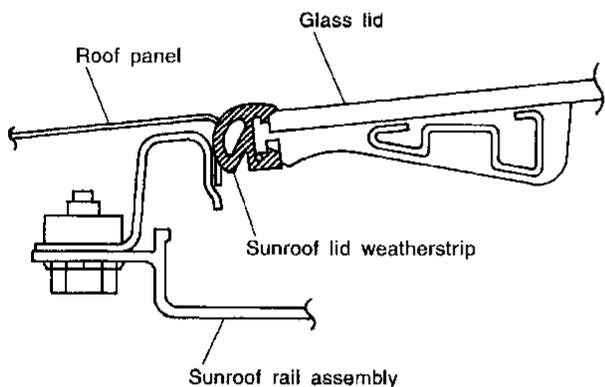
4. Install molding by aligning the molding mark located on center with vehicle center. Be sure to install tightly so that there is no gap around the corner.

• Side molding

Mounted with screws.

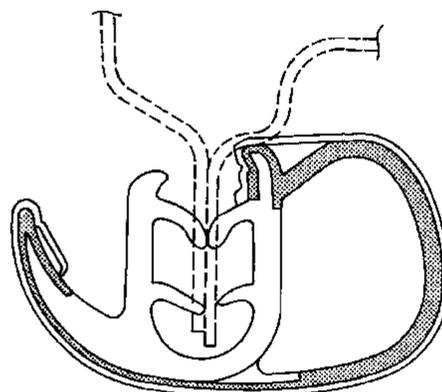
⑤ Sunroof lid weatherstrip

SEC. 736



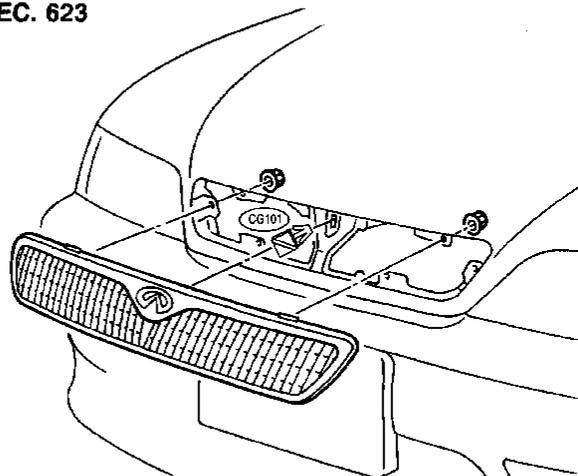
⑥ Body side welt

SEC. 769



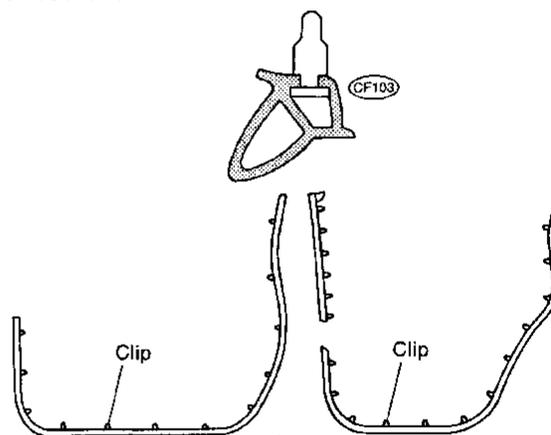
⑦ Front hood grille

SEC. 623



⑧ Door weatherstrip

SEC. 800•820



SBT656

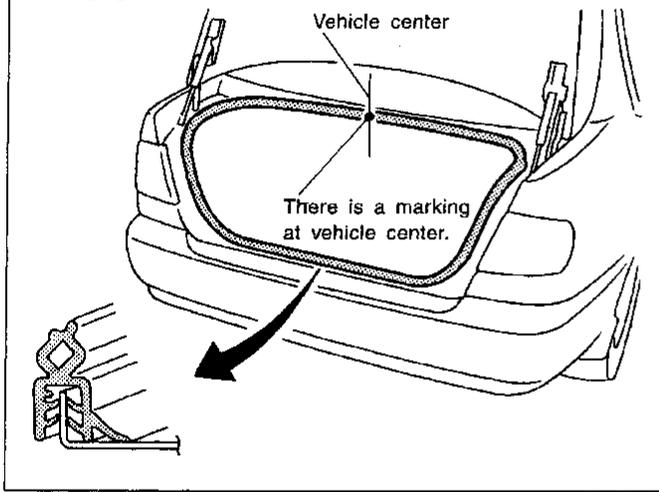
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EXTERIOR

Removal and Installation (Cont'd)

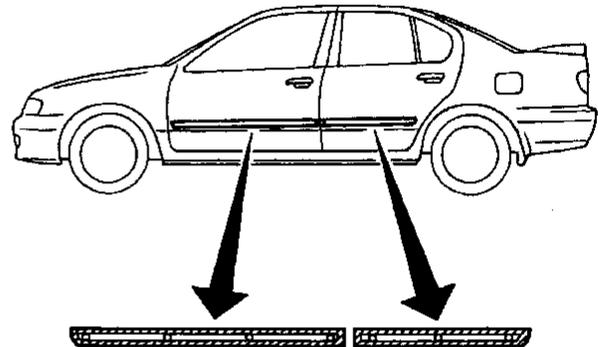
⑨ Trunk lid weatherstrip

SEC. 843



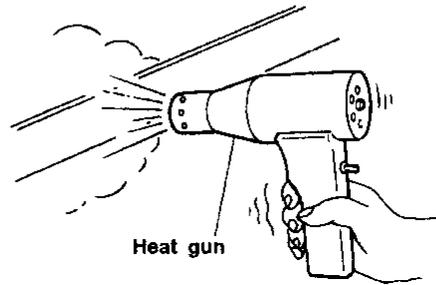
⑫ Side guard molding

SEC. 766



○ : Locating pin

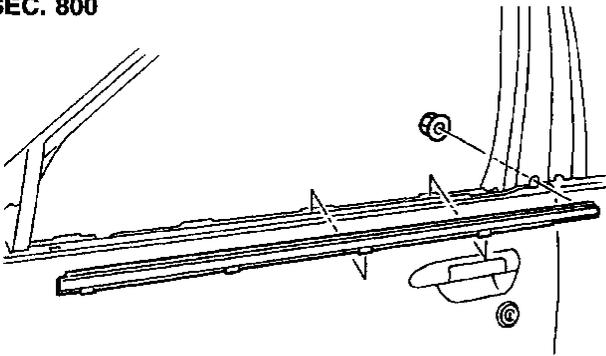
▨ : Double-faced adhesive tape



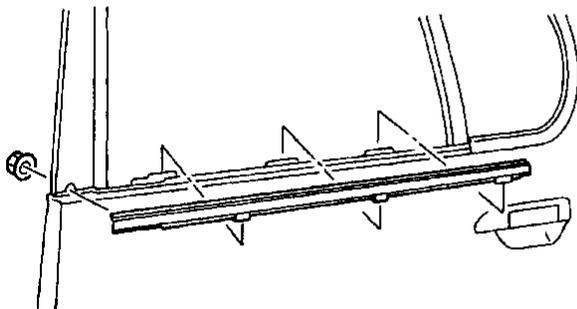
- With a vehicle coated with Hard Clear Coat, use double-faced 3M adhesive tape Product No. 4210 or equivalent, after priming with 3M primer Product No. N-200 or C-100 or equivalent.

⑩ Door outside molding

Front door
SEC. 800



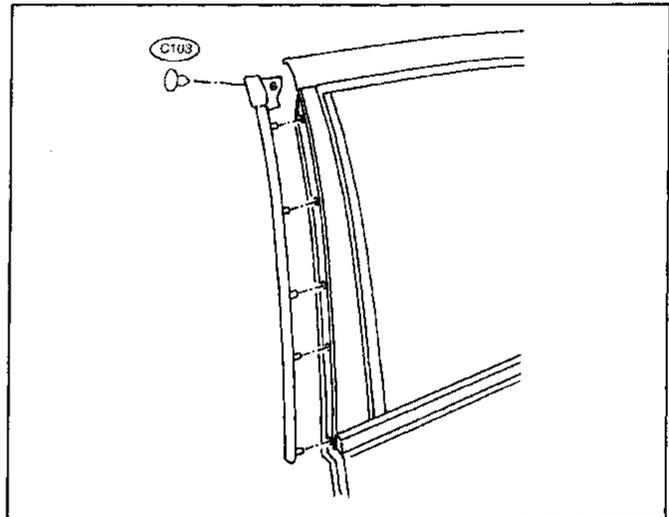
Rear door
SEC. 820



⑪ Rear window molding

Basically the same as front windshield molding.
Refer to ④ Front windshield molding.

⑬ Front door parting seal

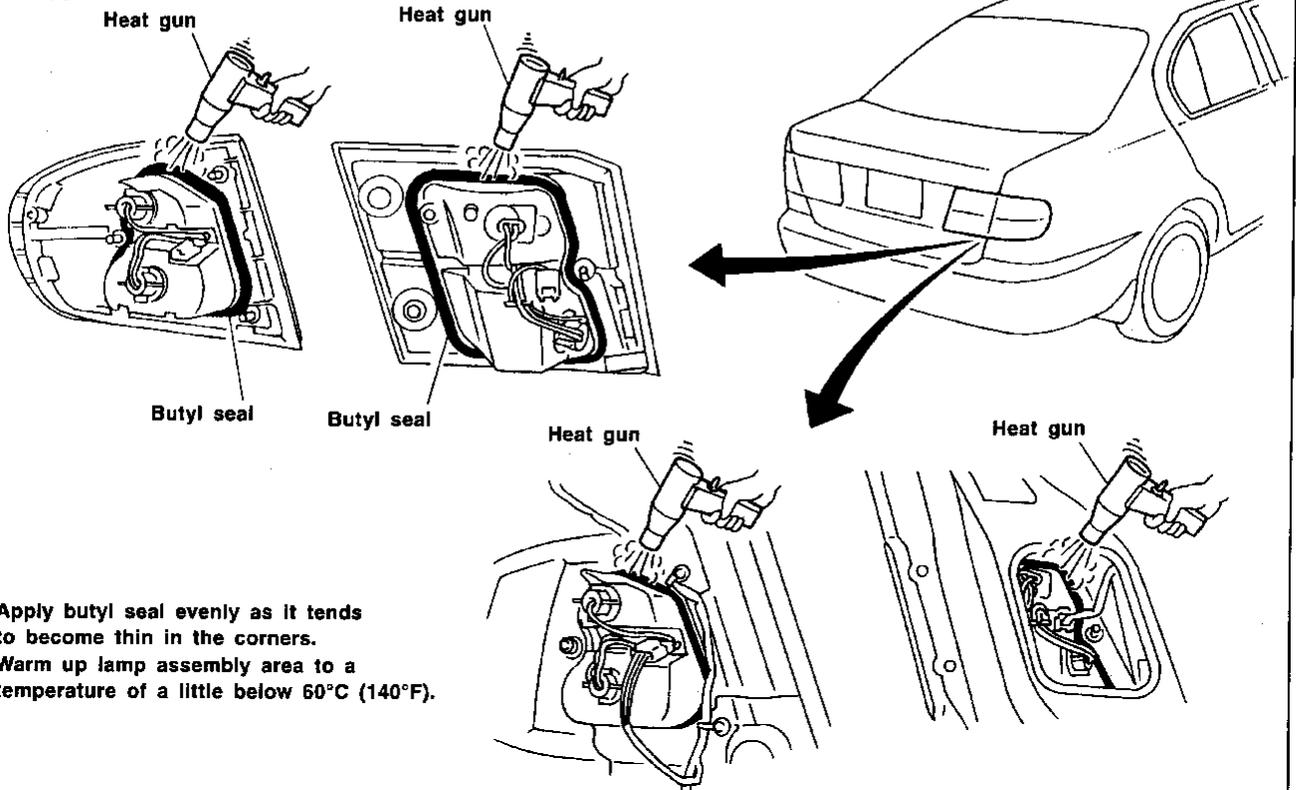


SBT657

⑭ Rear combination lamp

- Rear combination lamps are installed with nuts and butyl seal.

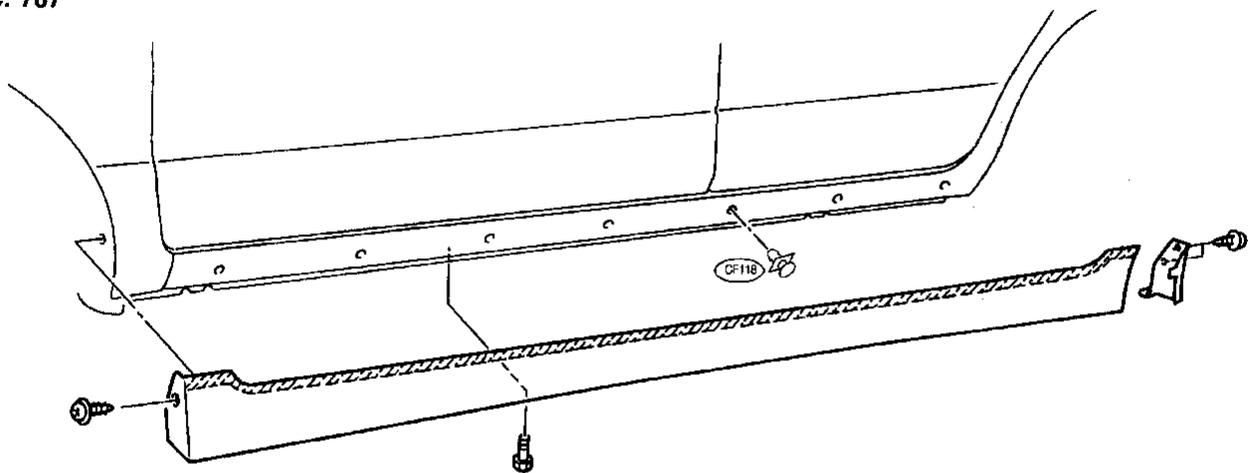
SEC. 265



- Apply butyl seal evenly as it tends to become thin in the corners.
- Warm up lamp assembly area to a temperature of a little below 60°C (140°F).

⑮ Center mudguard

SEC. 767



 : Double-faced adhesive tape

- 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.

SBT658

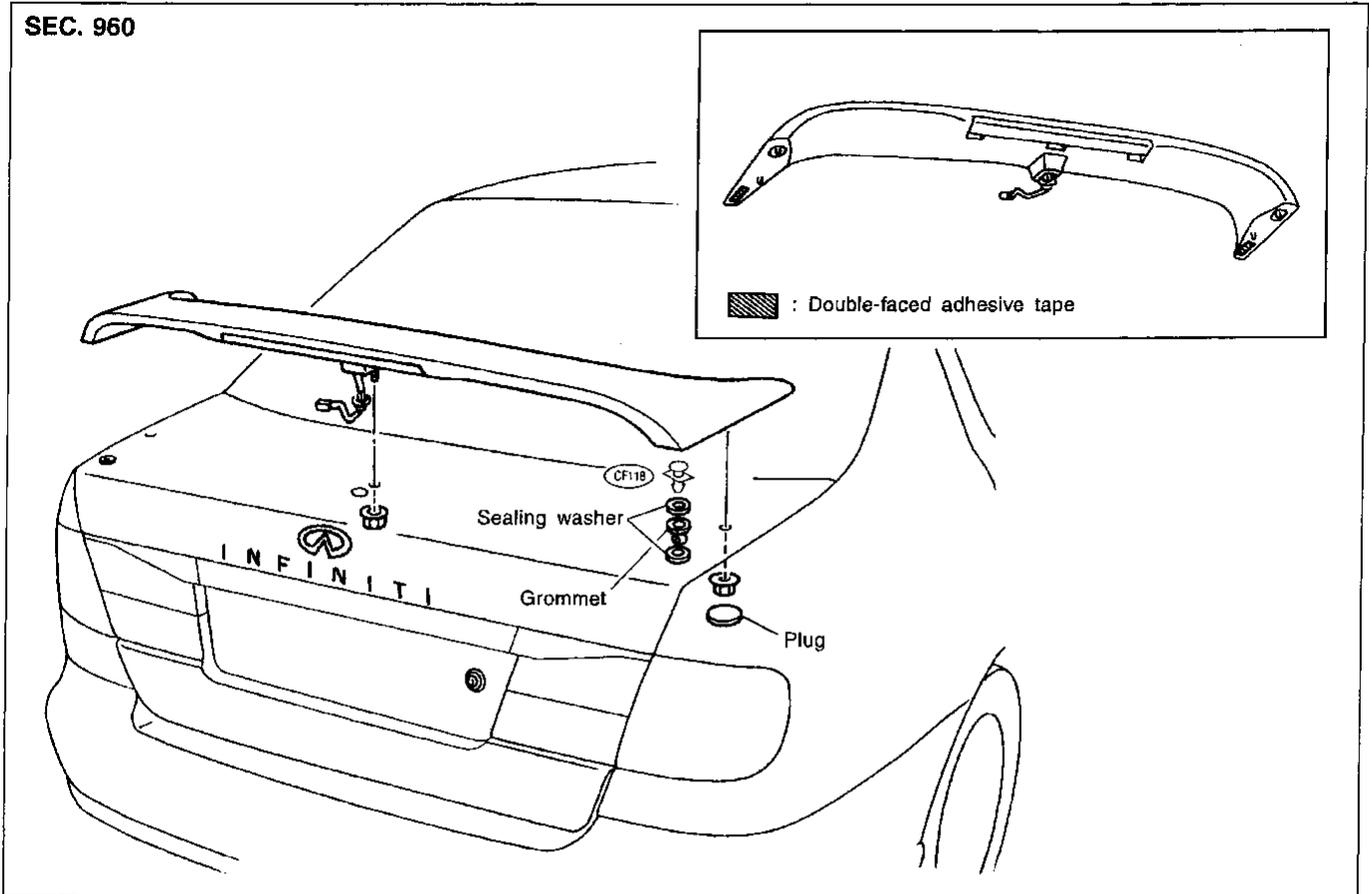
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EXTERIOR

Removal and Installation (Cont'd)

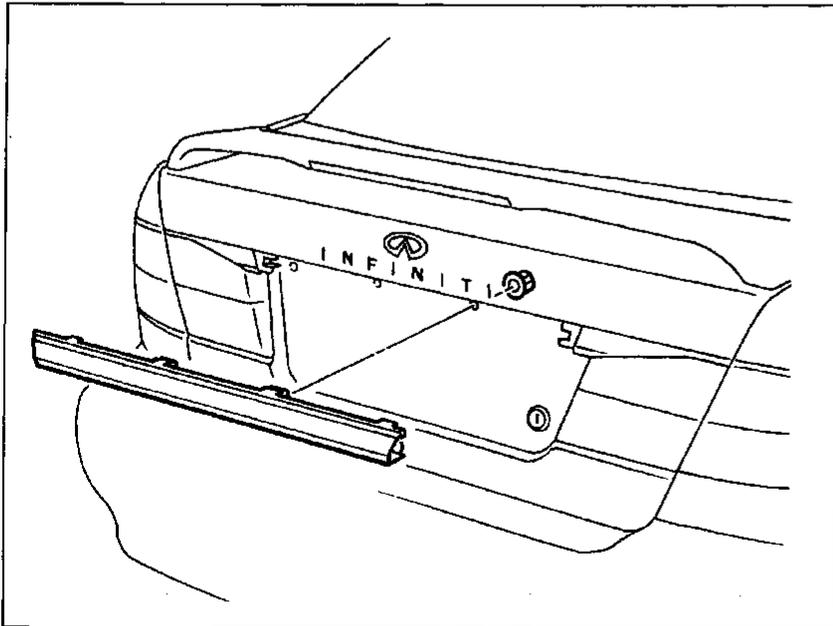
⑩ Rear air spoiler

SEC. 960



- 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.

⑪ License lamp finisher



SBT659

Removal and Installation

NCBT0014

- 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.

CAUTION:

- Before removing the rear seat, turn the ignition switch off, disconnect both battery cables and wait at least 3 minutes.
- When checking the power seat circuit for continuity using a circuit tester, do not confuse its connector with the side air bag module connector. Such an error may cause the air bag to deploy.
- Do not drop, tilt, or bump the side air bag module installed in the seat. Always handle it with care.
- Disconnect the side air bag harness connector before removing the seat back. (Refer to the RS section.)

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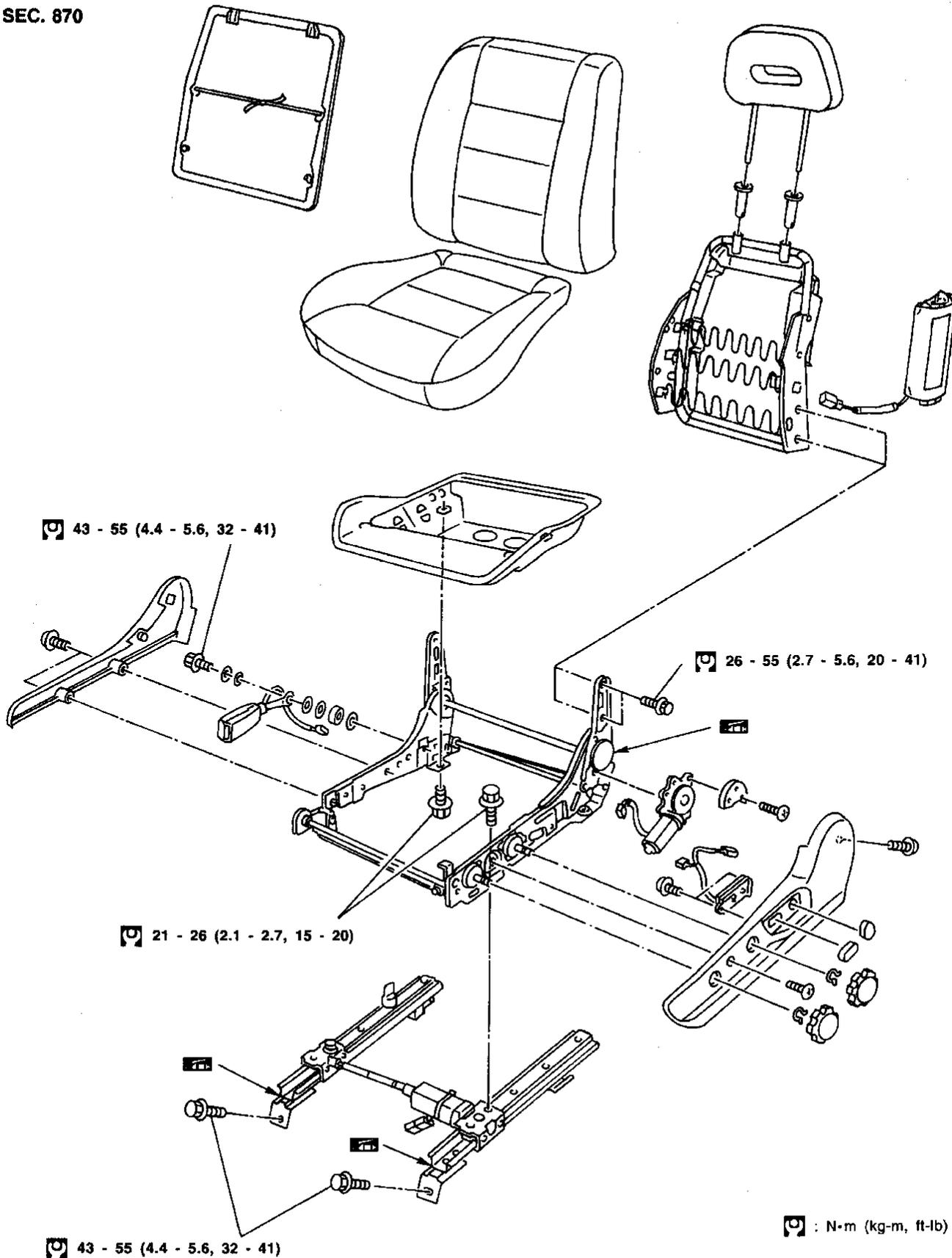
FRONT SEAT

Removal and Installation (Cont'd)

POWER SEAT

NCBT0014S01

SEC. 870



SBT660

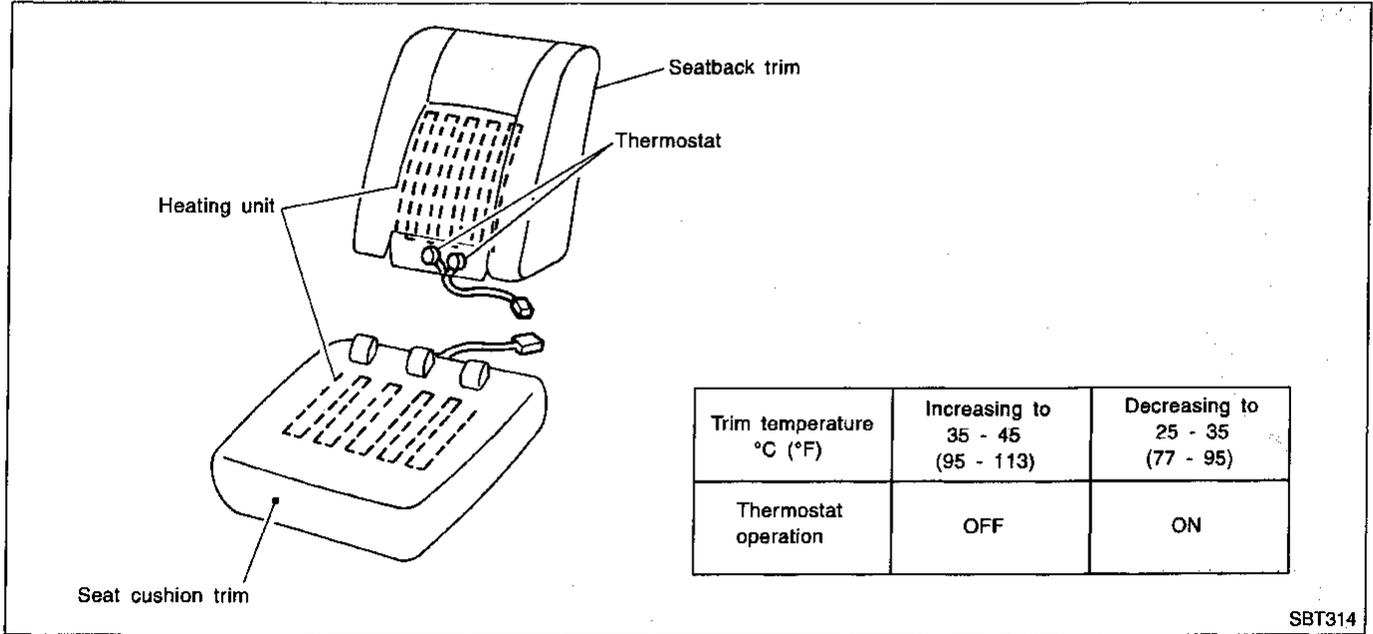
FRONT SEAT

Removal and Installation (Cont'd)

HEATED SEAT

→NCBT0014503

- 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.

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REAR SEAT

Removal and Installation

Removal and Installation

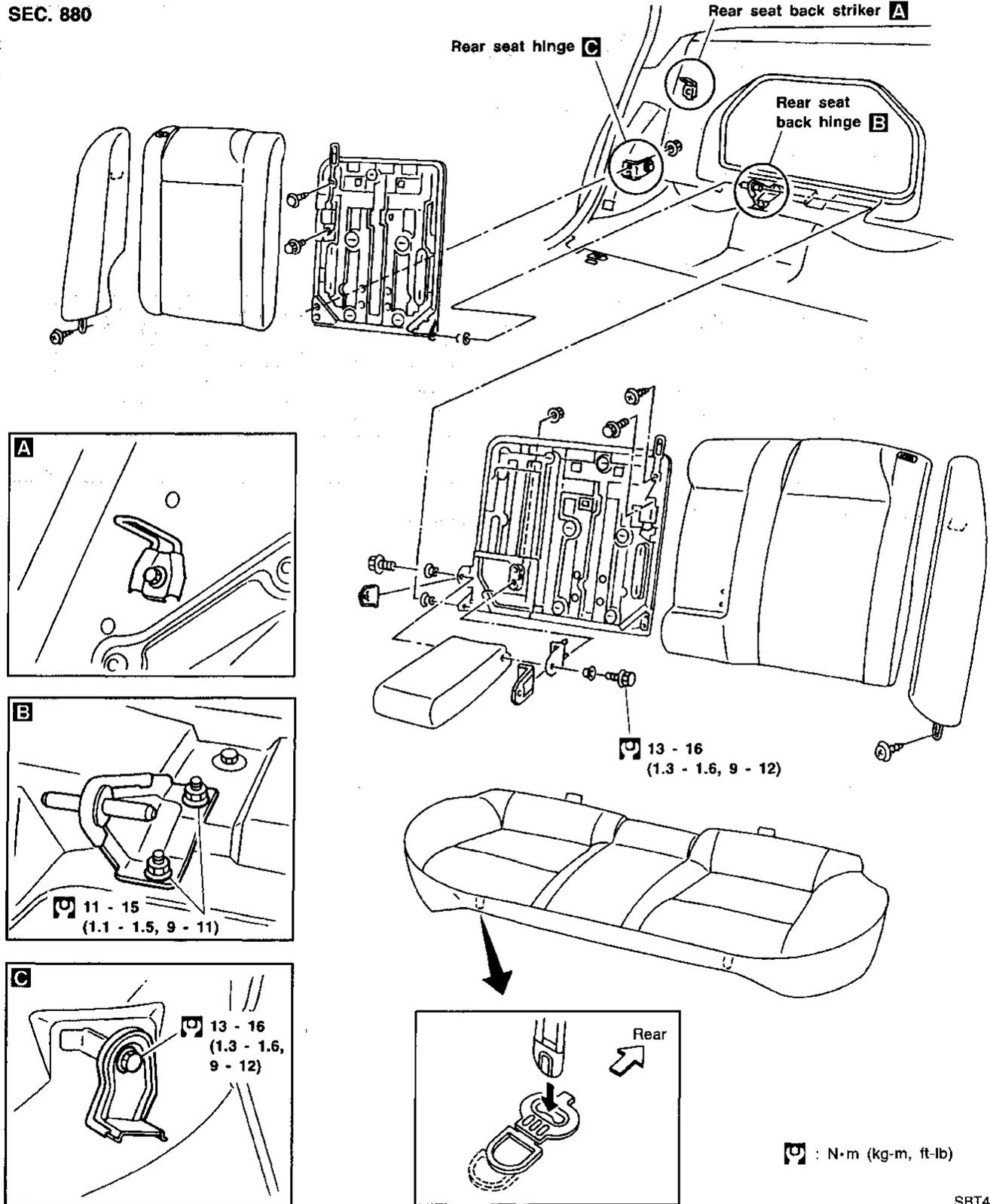
NCBT0015

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

FOLDING SEAT

NCBT0015S01

SEC. 880



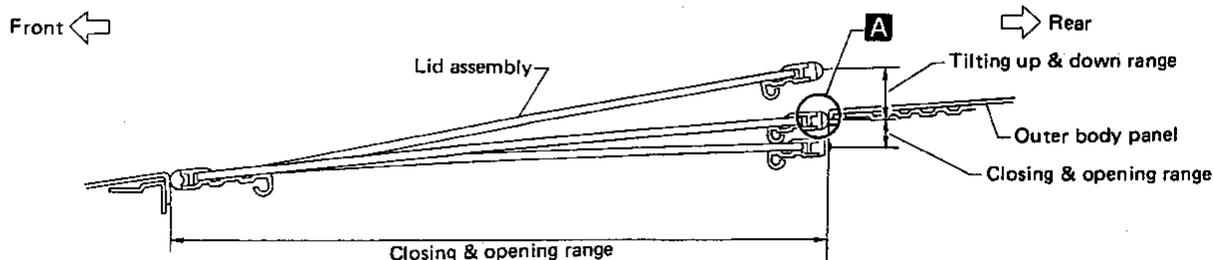
SBT409

Adjustment

NCBT0016

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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SUNROOF

Removal and Installation

Removal and Installation

-NCB10017

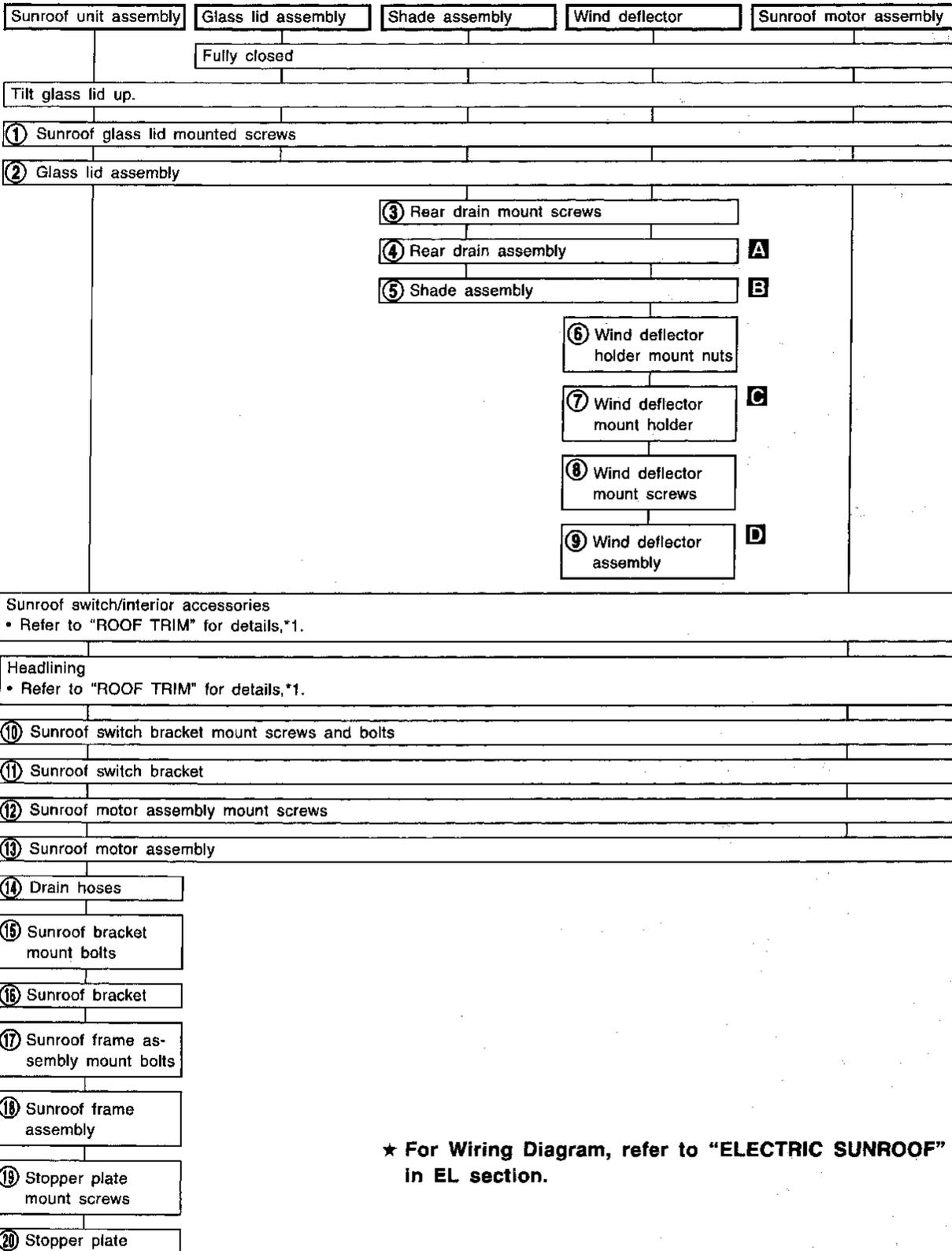
- After any adjustment, check sunroof operation and lid alignment.
- Handle finisher plate and glass lid with care so not to cause damage.
- It is desirable for easy installation to mark each point before removal.

CAUTION:

Always work with a helper.

SUNROOF

Removal and Installation (Cont'd)



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

SBT662

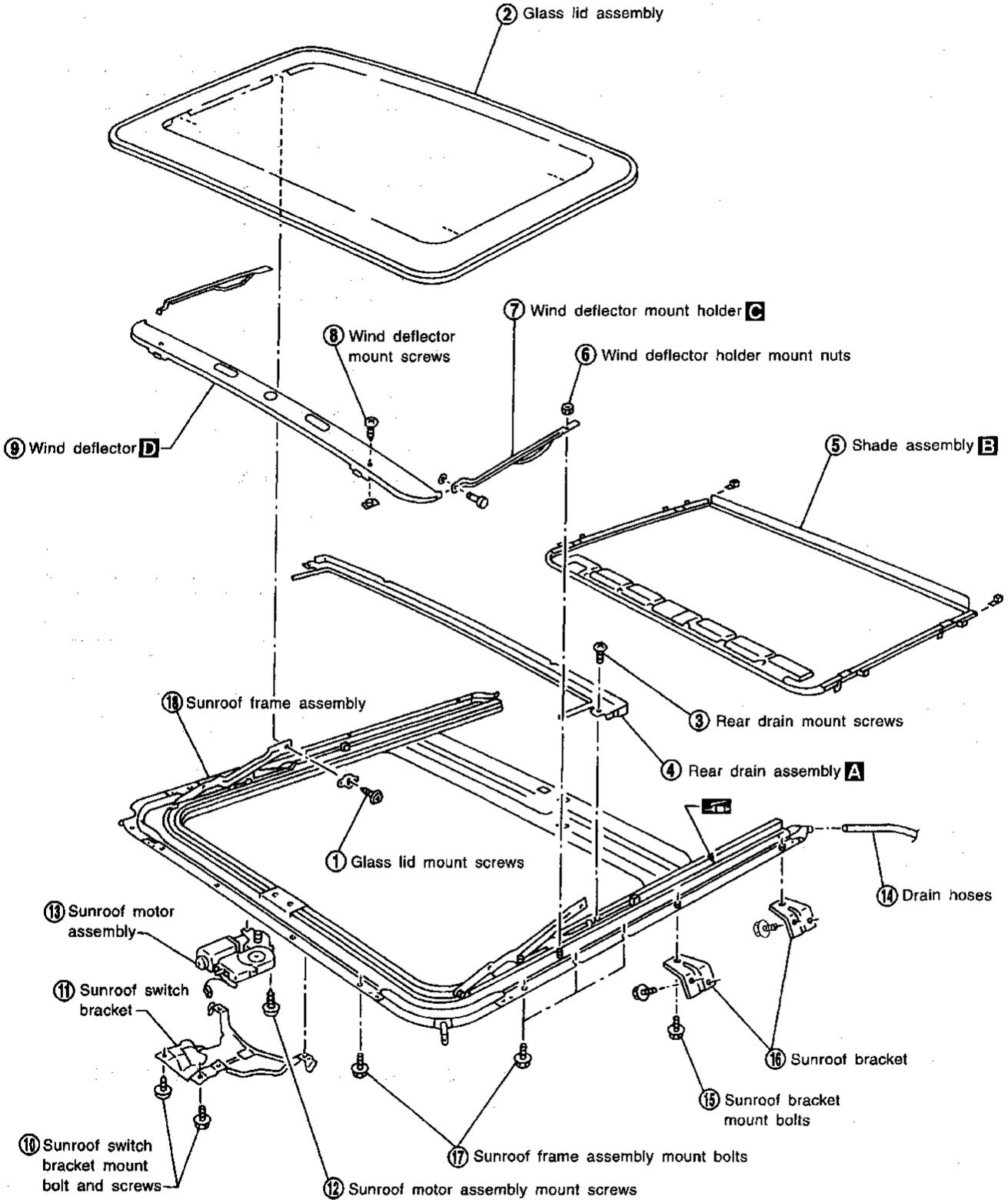
*1: BT-21

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SUNROOF

Removal and Installation (Cont'd)

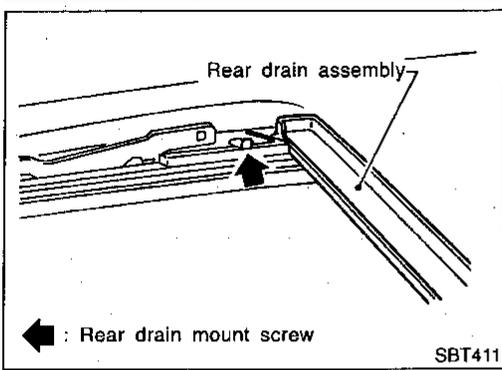
SEC. 736



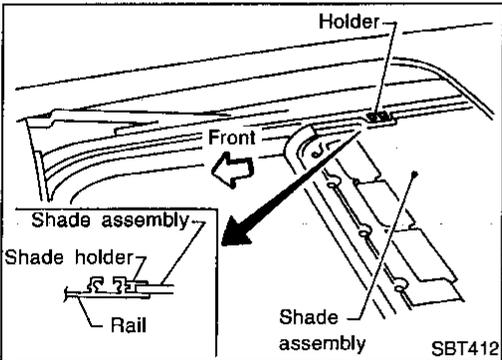
SBT410

SUNROOF

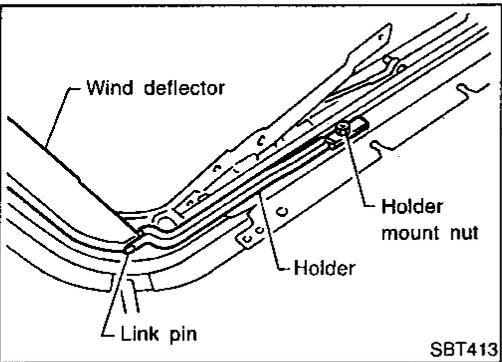
Removal and Installation (Cont'd)



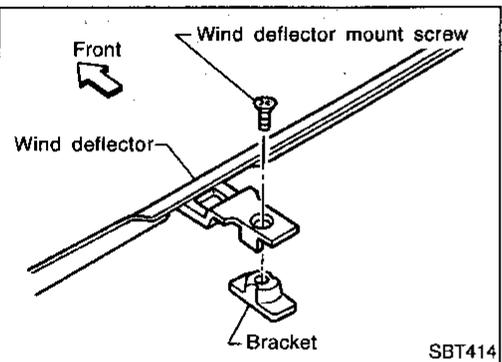
A Remove rear drain mount screws. Disengage rear drain assembly by moving it forward. Remove rear drain assembly.



B Using flat-bladed screwdriver, pry shade assembly holder from rail. Remove shade assembly by slowly moving it forward.



C Remove wind deflector mount screws. Pry off pawls with flat-bladed screwdriver inserted through rail hole. Remove wind deflector holder.



D Remove wind deflector mount screws from front end of sunroof unit. Remove wind deflector assembly from sunroof frame assembly.

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SUNROOF

Trouble Diagnoses DIAGNOSTIC TABLE

—NCBT0018

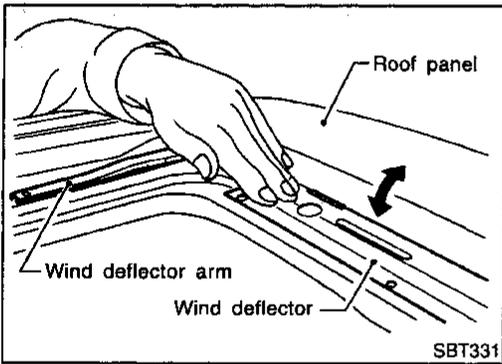
NCBT0018S01

NOTE:

For diagnosing electric symptom, refer to "POWER SUNROOF" in EL section.

		Check items (Components)				
		Wind deflector	Adjustment	Drain hoses	Weatherstrip	Link and wire assembly
	Reference page	BT-38	BT-39	BT-40	BT-40	BT-41
Symptom	Excessive wind noise	1	2		3	
	Water leaks		1	2	3	
	Sunroof rattles		1	4	2	3
	Excessive operation noise		1		2	3

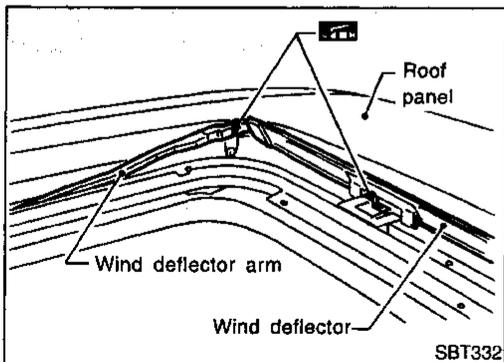
The numbers in this table mean order of inspection.



WIND DEFLECTOR

NCBT0018S02

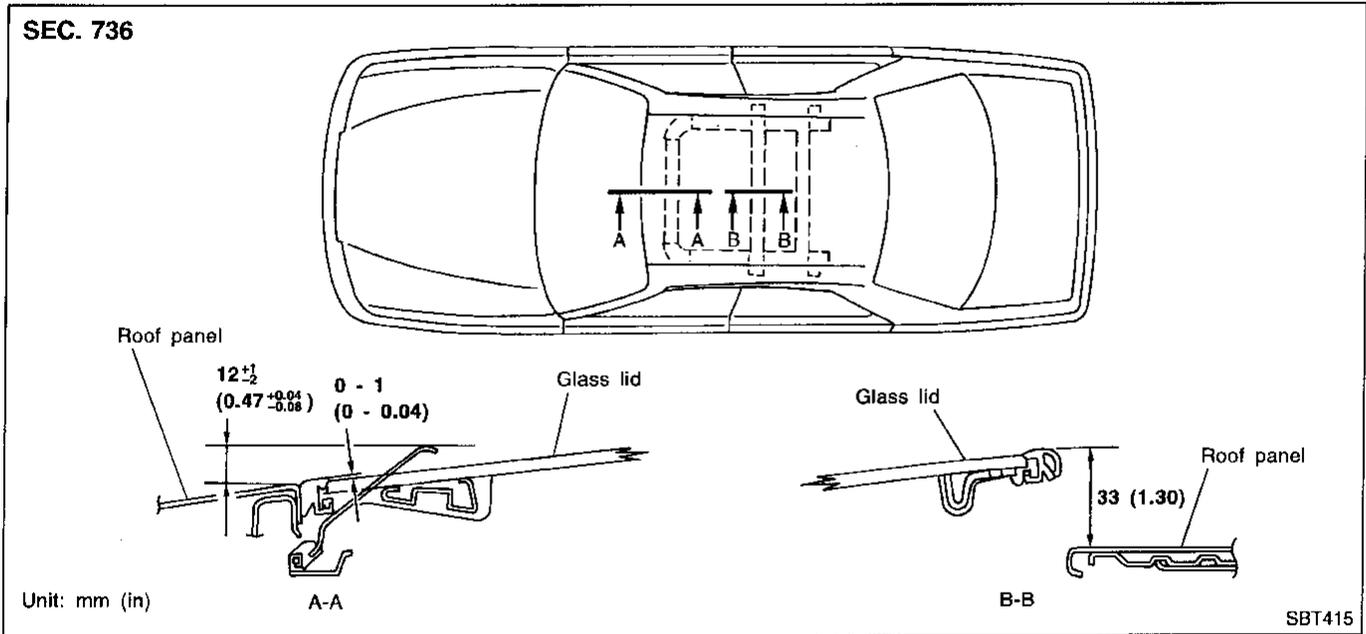
1. Open glass lid.
2. Check visually for proper installation.
3. Check to ensure a proper amount of petroleum jelly has been applied to wind deflector connection points; apply if necessary.
4. Check that wind deflector is properly retracted by hand. If it is not, remove and visually check condition. (Refer to removal procedures, BT-34.) If wind deflector is damaged, replace with new one. If wind deflector is not damaged, re-install properly.



ADJUSTMENT

NCBT0018S03

SEC. 736



If any gap or height difference between lid and roof is found, check lid fit and adjust as follows:

Gap Adjustment

NCBT0018S0301

1. Open shade assembly.
2. Tilt glass lid up then remove side trim.
3. Loosen glass lid securing nuts (3 each on left and right sides), then tilt glass lid down.
4. Adjust glass lid from outside of vehicle so it resembles "A-A" as shown in the figure above.
5. Tilt glass lid up and down until it is adjusted to "B-B" as shown in the figure above.
6. After adjusting glass lid, tilt glass lid up and tighten nuts.
7. Tilt glass lid up and down several times to check that it moves smoothly.

Height Difference Adjustment

NCBT0018S0302

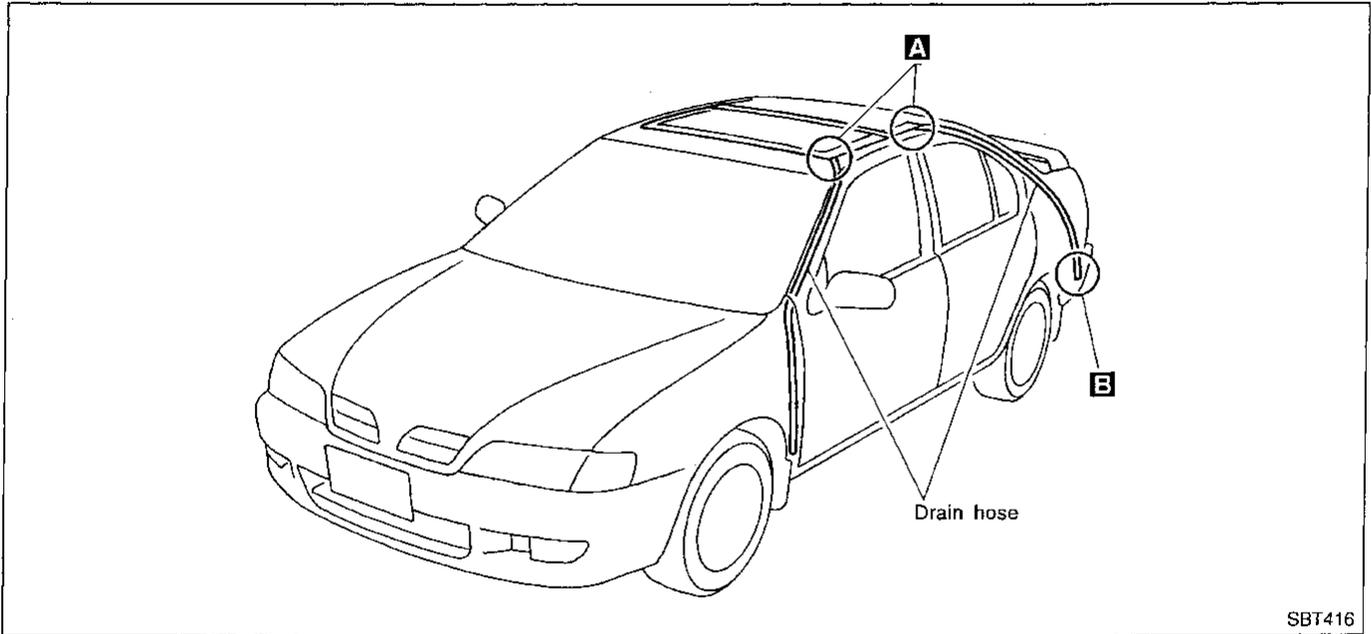
1. Tilt glass lid up and down.
2. Check height difference between roof panel and glass lid to see if it is as "A-A" as shown in the figure above.
3. If necessary, adjust it by using one of following procedures.
 - Adjust by adding or removing adjustment shim(s) between glass lid and link assembly.
 - If glass lid protrudes above roof panel, add shim(s) or plain washer(s) at sunroof mounting bracket or stud bolt locations to adjust sunroof installation as required.

SUNROOF

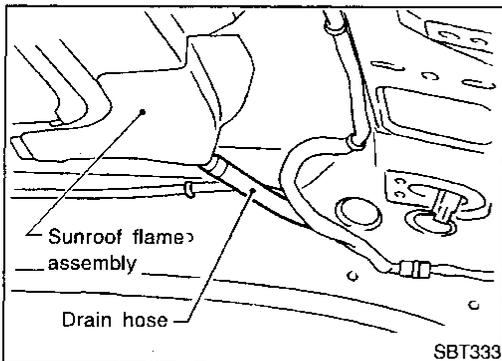
Trouble Diagnoses (Cont'd)

DRAIN HOSES

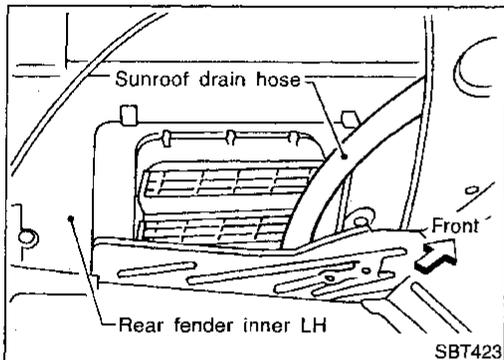
NCBT0016S04



SBT416



SBT333



SBT423

1. Remove headlining to access drain hose connections. (Refer to "ROOF TRIM", BT-21, for detail.)
2. Check visually for proper connections, damage or deterioration. **A** (The figure shows only the front side.)

3. If leakage occurs around trunk room, remove trunk room side trim and check connecting area. Check for proper connection, damage or tear. **B**
4. Remove drain hoses and check visually for any damage, cracks, or deterioration.
5. Pour water into drain hoses and find damaged portion.
- If any damaged portion is found at each step, replace the damaged part.

WEATHERSTRIP

NCBT0016S05

- In the case of leakage around glass lid, close lid and pour water over glass lid to find damaged or gap portion.
1. Remove glass lid assembly. (Refer to removal procedures, BT-34, for details.)
 2. Visually check weatherstrip for proper installation. If a gap exists between glass lid and weatherstrip, check for sufficient amount of butyl seal. If required, remove weatherstrip and apply butyl seal.
- Refer to "EXTERIOR" (BT-24), for details.

SUNROOF

Trouble Diagnoses (Cont'd)

3. Check weatherstrip visually for any damage, deterioration, or flattening.
 - If any damage is found, replace weatherstrip.

GI

CAUTION:

Do not remove weatherstrip except when replacing, or filling up butyl seal.

MA

LINK AND WIRE ASSEMBLY

NCBT0018S06

NOTE:

EM

Before replacing a suspect part, carefully ensure it is the source of noise being experienced.

1. Check link to determine if coating film has peeled off to such an extent that substrate is visible. Check also to determine if link is the source of noise. If it is, replace it.
2. Visually check to determine if a sufficient amount of petroleum jelly has been applied to wire or rail groove. If not, add petroleum jelly as required.
3. Check wire for any damage or deterioration. If any damage is found, remove rear guide (refer to removal procedures, BT-34 for details), then replace wire.

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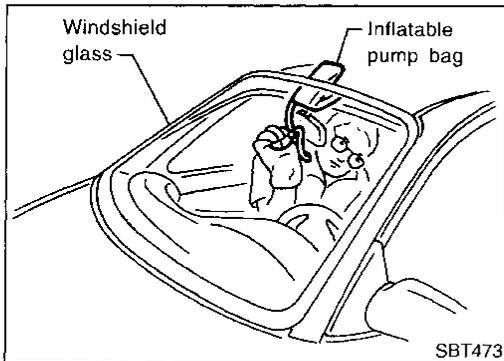
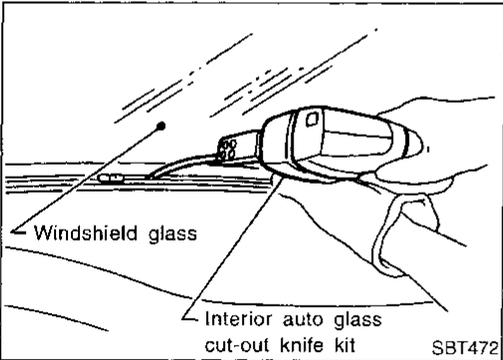
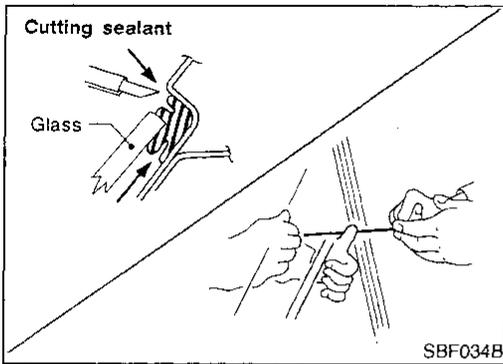
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IDX

WINDSHIELD AND WINDOWS

Removal and Installation



Removal and Installation

NCBT0019

REMOVAL

NCBT0019S01

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

WARNING:

When cutting the glass from the vehicle, always wear safety glasses and heavy gloves to help prevent glass splinters from entering your eyes or cutting your hands.

CAUTION:

- Be careful not to scratch the glass when removing.
- Do not set or stand the glass on its edge. Small chips may develop into cracks.

INSTALLATION

NCBT0019S02

- Use a genuine Nissan Urethane Adhesive Kit or equivalent and follow the instructions furnished with it.
- While the urethane adhesive is curing, open a door window. This will prevent the glass from being forced out by passenger compartment air pressure when a door is closed.
- The molding must be installed securely so that it is in position and leaves no gap.
- Inform the customer that the vehicle should remain stationary until the urethane adhesive has completely cured (preferably 24 hours). Curing time varies with temperature and humidity.

WARNING:

- Keep heat and open flames away as primers and adhesive are flammable.
- The materials contained in the kit are harmful if swallowed, and may irritate skin and eyes. Avoid contact with the skin and eyes.
- Use in an open, well ventilated location. Avoid breathing the vapors. They can be harmful if inhaled. If affected by vapor inhalation, immediately move to an area with fresh air.
- Driving the vehicle before the urethane adhesive has completely cured may affect the performance of the windshield in case of an accident.

CAUTION:

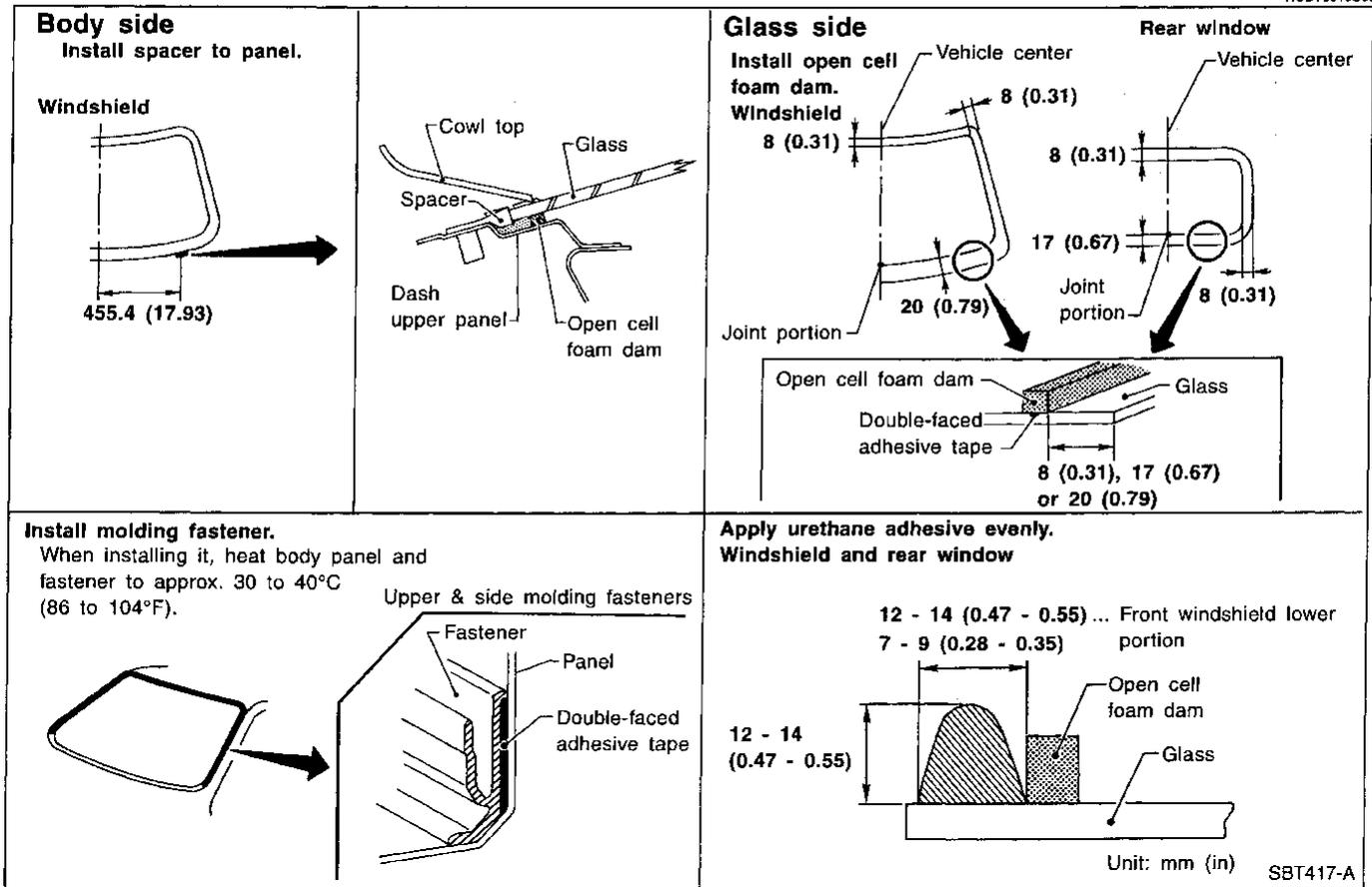
- Do not use an adhesive which is past its usable term. Shelf life of this product is limited to six months after the date of manufacture. Carefully adhere to the expiration or manufacture date printed on the box.
- Keep primers and adhesive in a cool, dry place. Ideally, they should be stored in a refrigerator.
- Do not leave primers or adhesive cartridge unattended with their caps open or off.
- The vehicle should not be driven for at least 24 hours or until the urethane adhesive has completely cured. Curing time varies depending on temperature and humidities. The curing time will increase under higher temperatures and lower humidities.

WINDSHIELD AND WINDOWS

Removal and Installation (Cont'd)

WINDSHIELD

NCBT0019S03



Repairing Water Leaks for Windshield

NCBT0019S0301

Leaks can be repaired without removing and reinstalling glass. If water is leaking between urethane adhesive material and body or glass, determine the extent of leakage. This can be done by applying water to the windshield area while pushing glass outward.

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

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DOOR MIRROR

Removal and Installation

Removal and Installation

NCBT0020

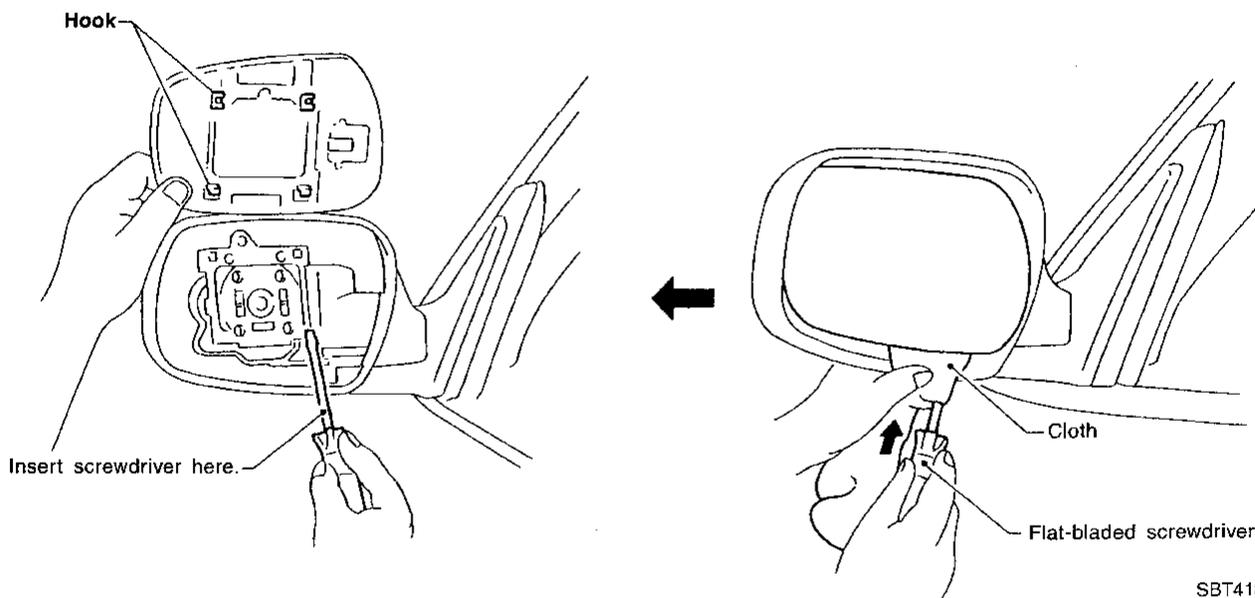
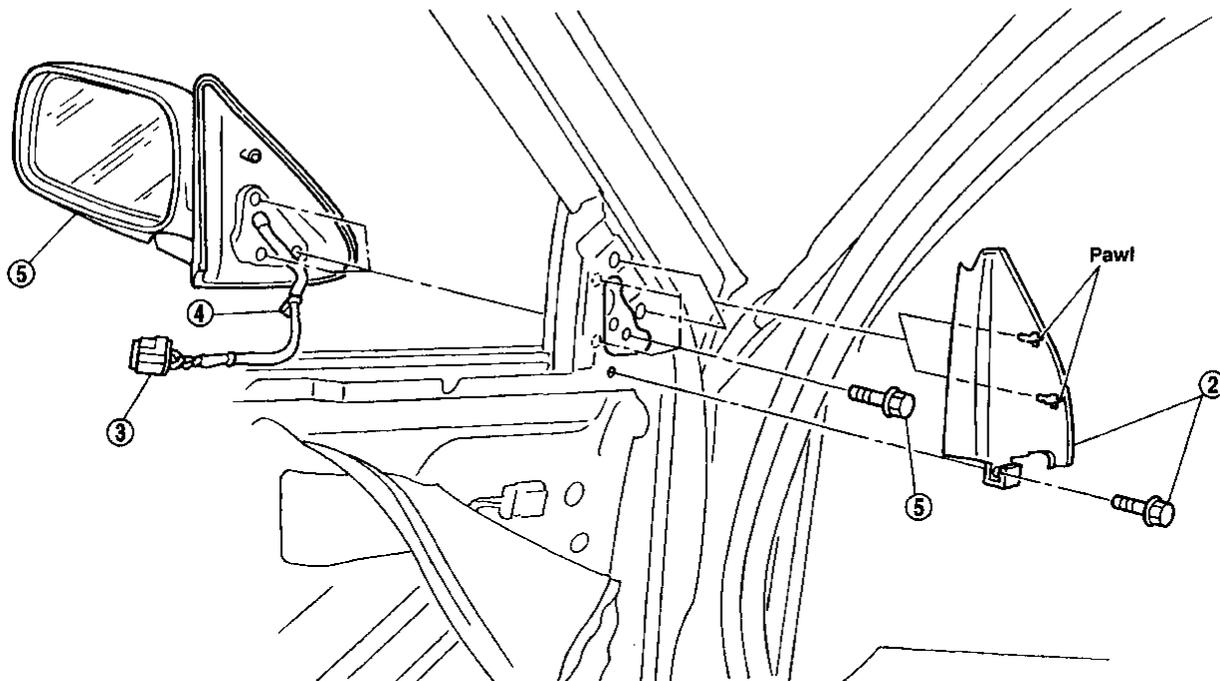
CAUTION:

Be careful not to scratch door rearview mirror body.

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

1. Remove front door trim. Refer to "DOOR TRIM" for details, BT-19.
2. Remove bolt securing inner cover, then remove inner cover.
3. Disconnect door mirror harness connector.
4. Remove door mirror harness clip.
5. Remove bolts securing door mirror, then remove door mirror assembly.

SEC. 963



SBT418-A

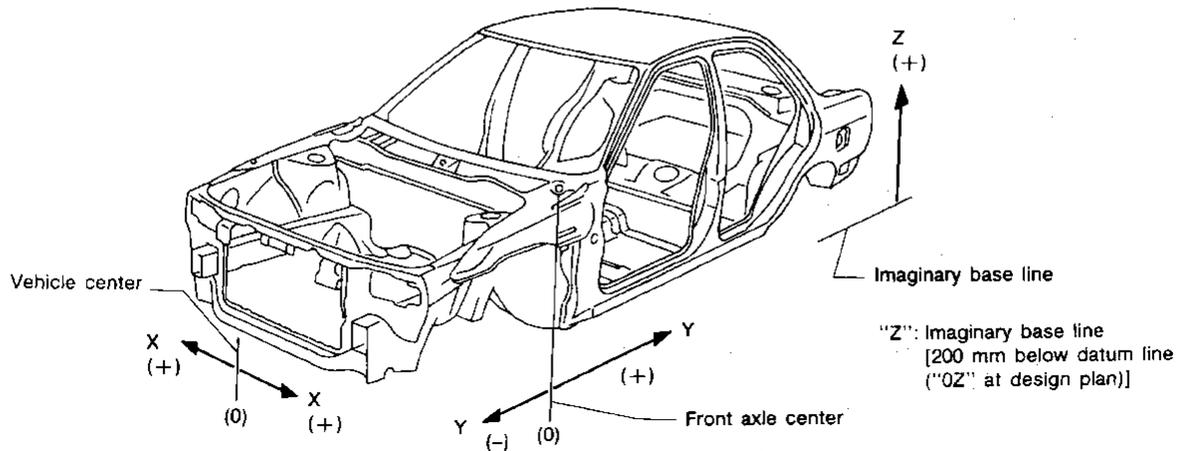
BODY (ALIGNMENT)

Alignment

Alignment

NCBT0021

- 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".



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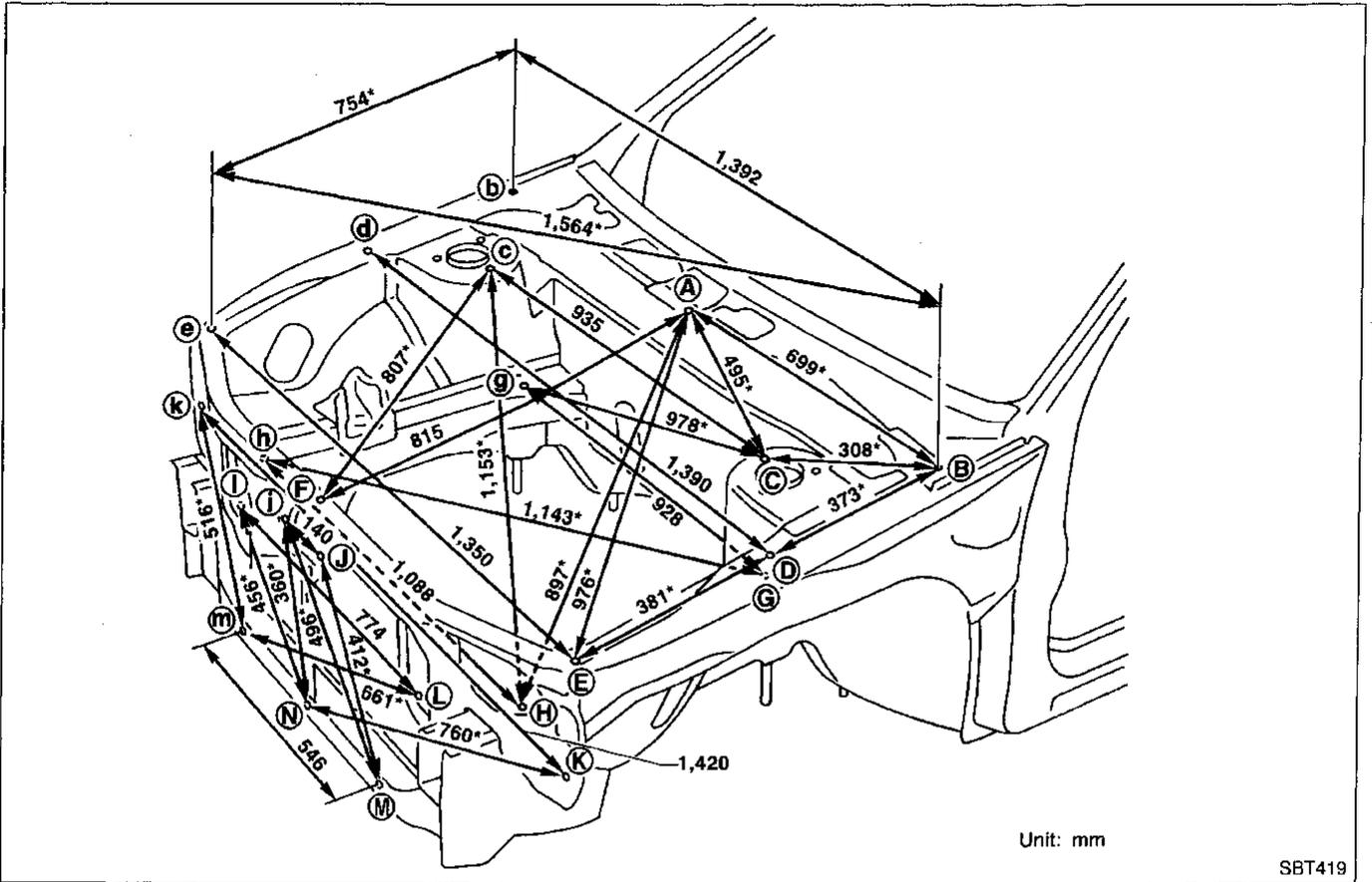
BODY (ALIGNMENT)

Alignment (Cont'd)

ENGINE COMPARTMENT Measurement

NCBT0021S01

NCBT0021S0101

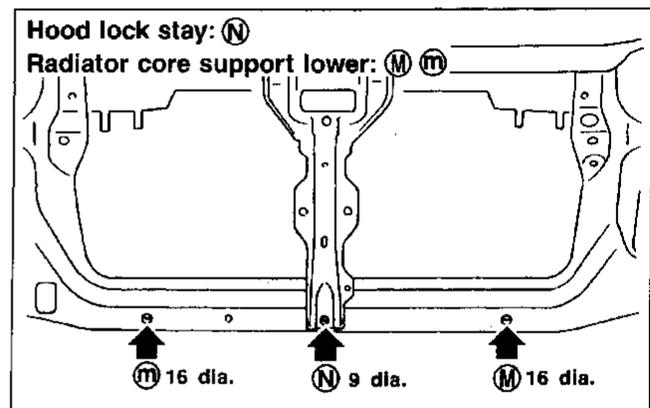
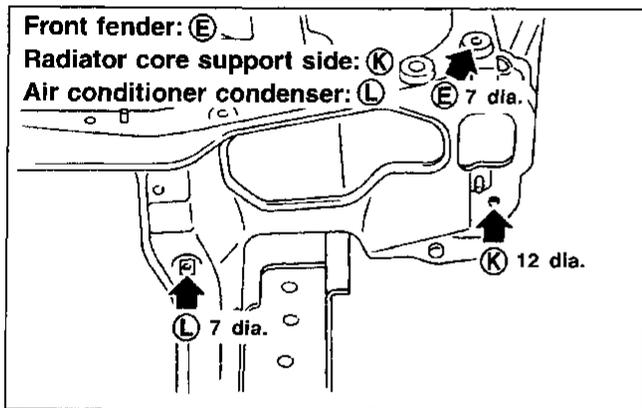
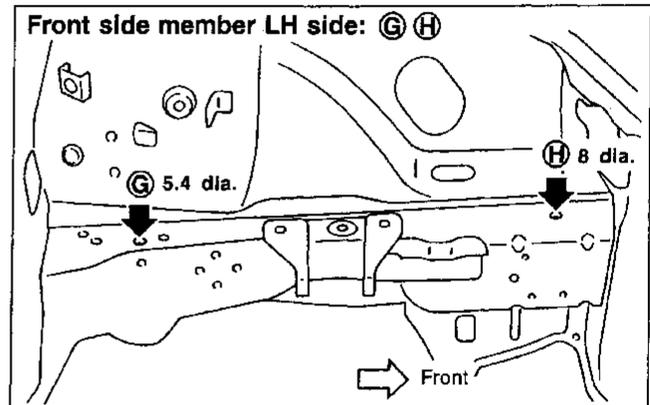
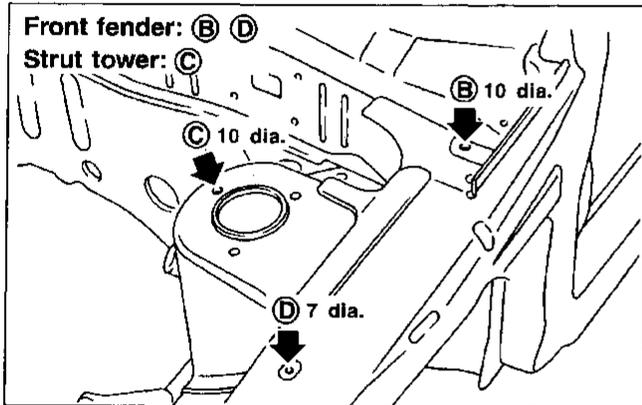
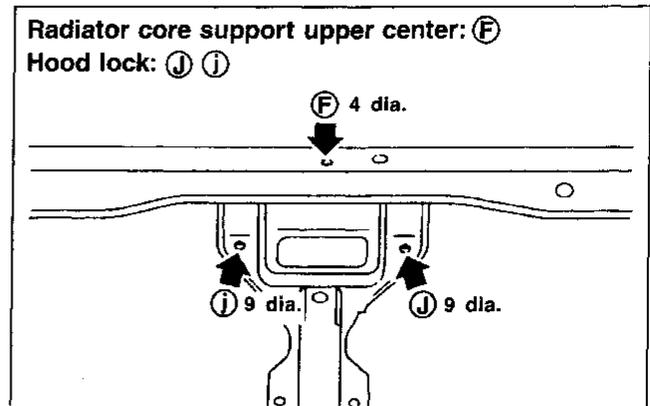
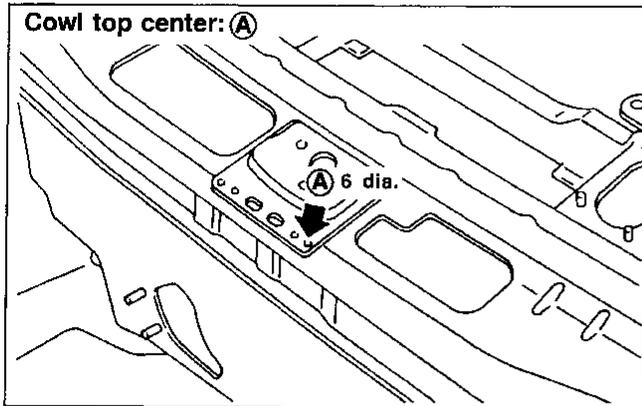


BODY (ALIGNMENT)

Alignment (Cont'd)

Measurement Points

NCBT0021S0102



Unit: mm

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SBT420

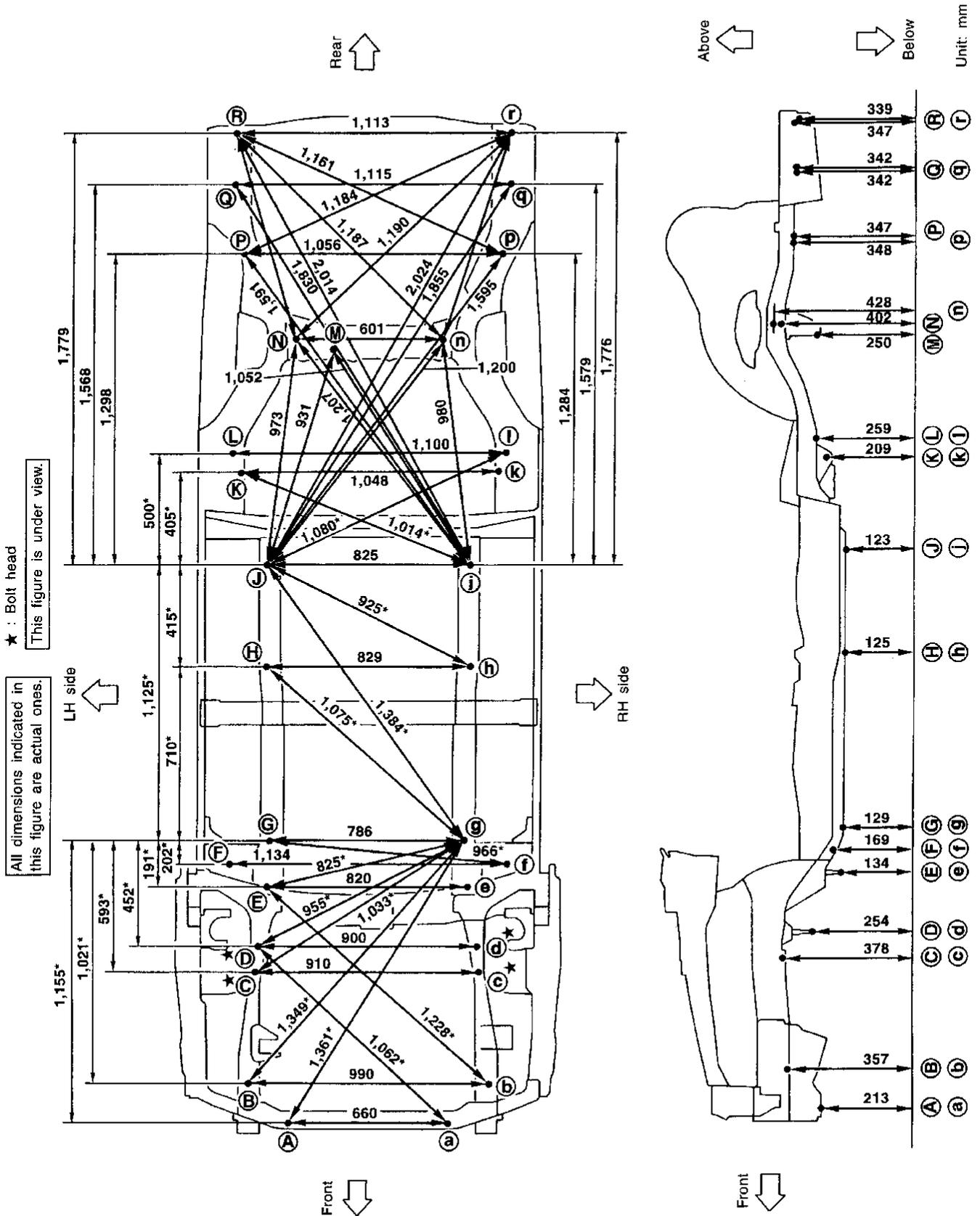
BODY (ALIGNMENT)

Alignment (Cont'd)

UNDERBODY Measurement

NCBT0021S02

NCBT0021S0201



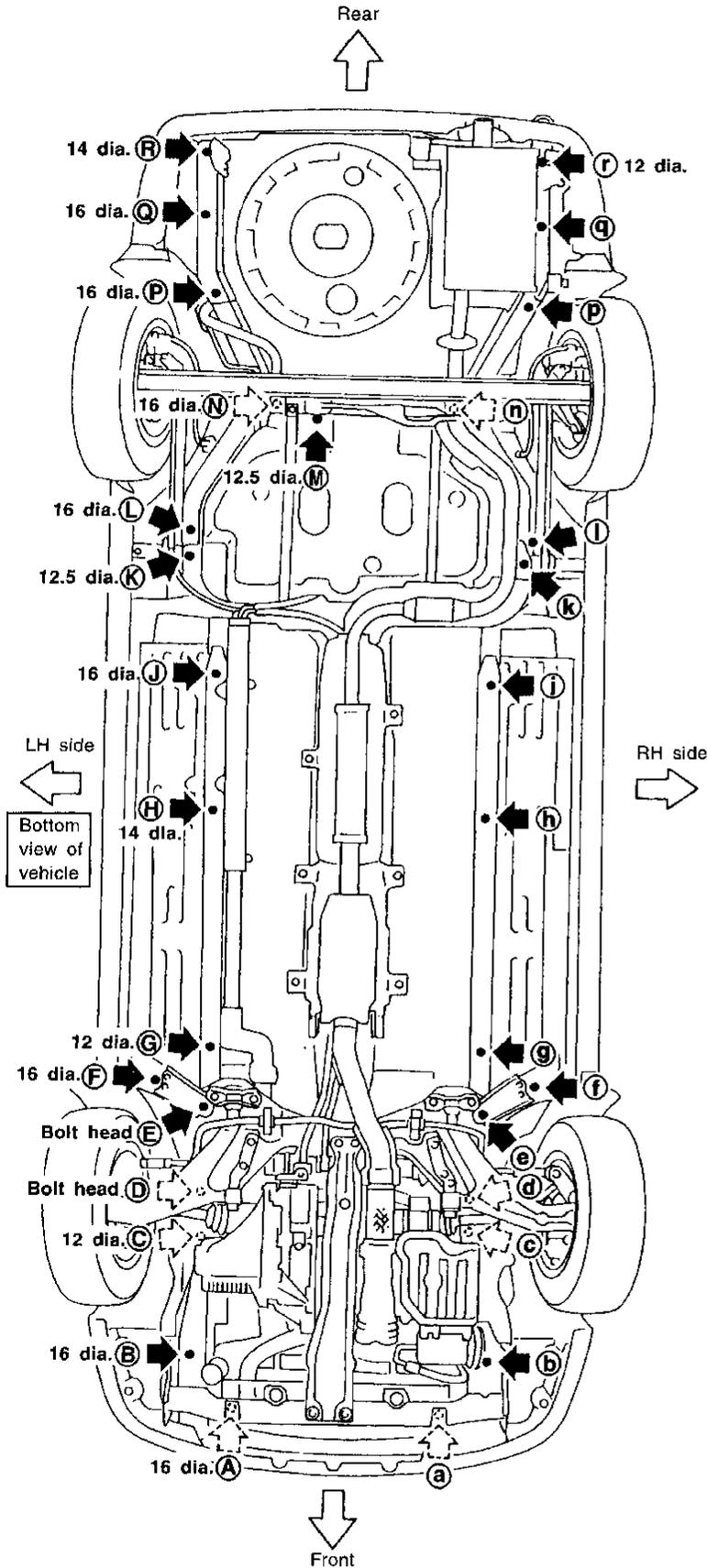
SBT421

BODY (ALIGNMENT)

Alignment (Cont'd)

Measurement Points

NCBT0021S0202



Coordinates:

(A), (a) X: 330 Y: -650 Z: 213	(H), (h) X: 414.5 Y: 1,210 Z: 124.9	(P) X: 512 Y: 2,900 Z: 346.5
(B), (b) X: 495 Y: -490 Z: 356.6	(J), (j) X: 412.5 Y: 1,625 Z: 123.2	(P) X: 544 Y: 2,882 Z: 347.7
(C), (c) X: 455 Y: -35 Z: 377.6	(K), (k) X: 524 Y: 2,005 Z: 209	(Q) X: 540 Y: 3,172 Z: 341.5
(D), (d) X: 450 Y: 70 Z: 254	(L), (l) X: 555 Y: 2,085 Z: 259	(Q) X: 575 Y: 3,180 Z: 341.5
(E), (e) X: 410 Y: 310 Z: 133.8	(M) X: 145 Y: 2,507.9 Z: 250	(R) X: 542 Y: 3,385.6 Z: 339.4
(F), (f) X: 567 Y: 405 Z: 169.4	(N) X: 300 Y: 2,550 Z: 402.3	(r) X: 570.5 Y: 3,380 Z: 346.5
(G), (g) X: 393 Y: 500 Z: 128.6	(n) X: 300 Y: 2,550 Z: 428.3	

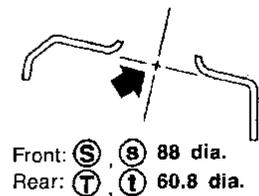
Unit: mm

Front and rear strut tower centers

Coordinates:

(S), (s)
X: 527.3
Y: -5.1
Z: 780.1

(T), (t)
X: 478
Y: 2,522
Z: 527



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SBT422