

# SECTION **BT**

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## CONTENTS

|  |                                       |
|--|---------------------------------------|
| <b>PRECAUTIONS AND PREPARATION</b> .....2  |                                       |
| Service Notice.....2   |                                       |
| Supplemental Restraint System (SRS) “AIR BAG” and “SEAT BELT PRE-TENSIONER” .....2 |                                       |
| Clip and Fastener .....3   |                                       |
| <b>BODY END</b> .....5   |                                       |
| Body Front End.....5   |                                       |
| Body Rear End and Opener .....8  |                                       |
| <b>DOOR</b> .....12  |                                       |
| Front Door.....12  |                                       |
| Rear Door .....14  |                                       |
| <b>INSTRUMENT PANEL</b> .....15  |                                       |
| <b>INTERIOR TRIM</b> .....18   |                                       |
| Side and Floor Trim .....18  |                                       |
| Door Trim .....20  |                                       |
| Roof Trim .....22  |                                       |
| Luggage Room Trim .....23  |                                       |
| <b>EXTERIOR</b> .....24  |                                       |
| ① Front hood insulator.....25  | ⑧ Door sash molding.....26            |
| ②, ③ Cowl top grille and cowl top seal....25                                       | ⑨ Door outside molding.....27         |
| ④ Front windshield molding.....25  | ⑩ Door parting seal .....27           |
| ④ Windshield upper and side molding .....25  | ⑪ Side guard molding.....27           |
| ⑤ Sunroof lid weatherstrip.....26  | ⑫ Door weatherstrip .....28           |
| ⑥ Body side drip weatherstrip .....26  | ⑬ Mudguards .....28                   |
| ⑦ Body side welt .....26   | ⑭ Rear combination lamp.....29        |
|  | ⑮ Front tower bar .....29             |
|  | ⑯ Trunk lid weatherstrip .....29      |
|  | ⑰ Rear air spoiler .....30            |
|  | ⑱ Rear window molding .....30         |
|  | <b>SEAT</b> .....31                   |
|  | Front Seat .....32                    |
|  | Rear Seat.....34                      |
|  | <b>SUNROOF</b> .....35                |
|  | Trouble Diagnoses .....39             |
|  | <b>WINDSHIELD AND WINDOWS</b> .....43 |
|  | Windshield and Rear Window .....44    |
|  | Quarter Window .....45                |
|  | <b>MIRROR</b> .....46                 |
|  | Door Mirror.....46                    |
|  | Rearview Mirror.....47                |
|  | <b>BODY ALIGNMENT</b> .....48         |
|  | Engine Compartment.....48             |
|  | Underbody.....50                      |

## PRECAUTIONS AND PREPARATION

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### Service Notice

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

### Supplemental Restraint System (SRS) “AIR BAG” and “SEAT BELT PRE-TENSIONER”

The Supplemental Restraint System such as “AIR BAG” and “SEAT BELT PRE-TENSIONER” used along with a seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. The SRS composition which is available to NISSAN MODEL L30 is as follows (the composition varies according to the destination and optional equipment):

- For a frontal collision  
The Supplemental Restraint System consists of driver air bag module (located in the center of the steering wheel), front passenger air bag module (located on the instrument panel on passenger side), seat belt pre-tensioners, a diagnosis sensor unit, warning lamp, wiring harness and spiral cable.
- For a side collision  
The Supplemental Restraint System consists of front side air bag module (located in the outer side of front seat), side air bag (satellite) sensor, diagnosis sensor unit (one of components of air bags for a frontal collision), wiring harness, warning lamp (one of components of air bags for a frontal collision).

Information necessary to service the system safely is included in the **RS section** of this Service Manual.

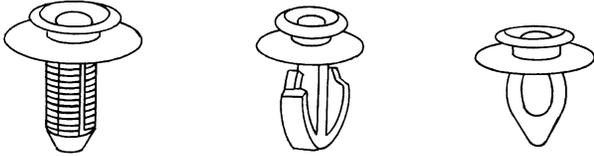
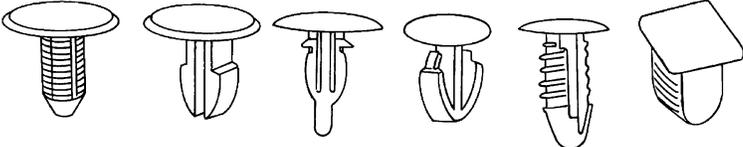
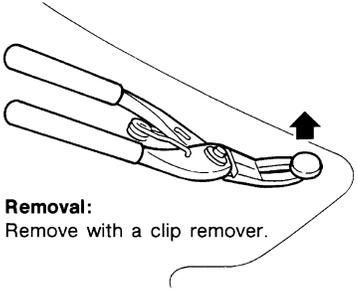
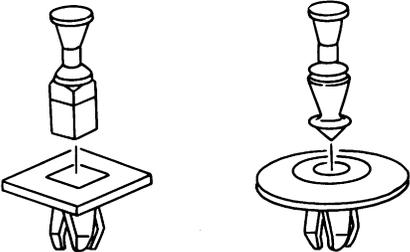
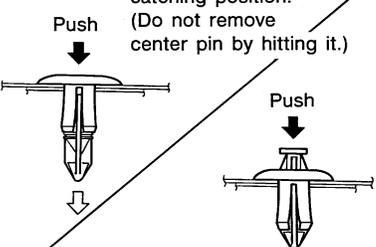
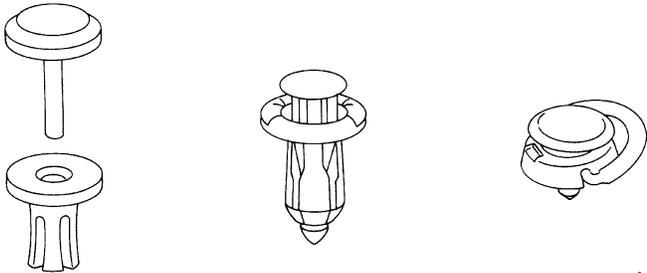
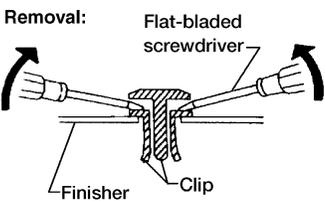
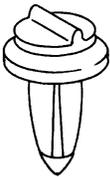
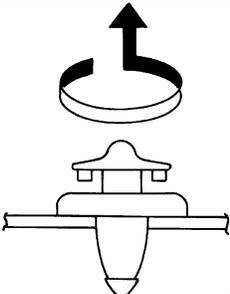
#### **WARNING:**

- **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 should 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. For removal of Spiral Cable and Air Bag Module, see the RS section.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. Spiral cable and wiring harnesses (except “SEAT BELT PRE-TENSIONER”) covered with yellow insulation either just before the harness connectors or for the complete harness are related to the SRS.**

# PRECAUTIONS AND PREPARATION

## Clip and Fastener

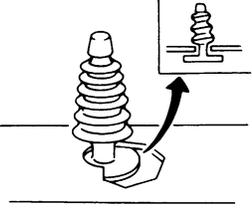
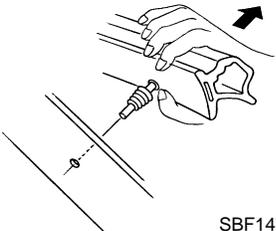
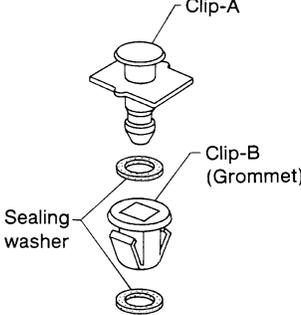
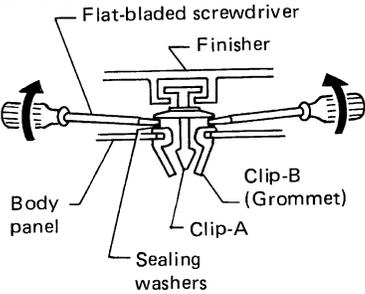
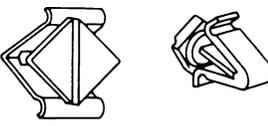
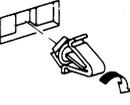
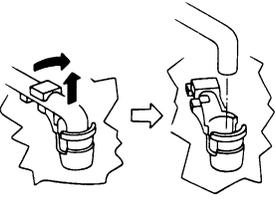
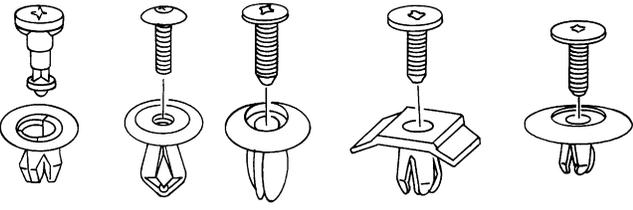
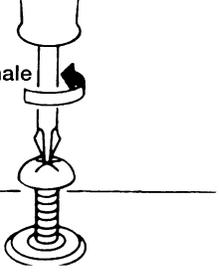
- Clips and fasteners in BT section correspond to the following numbers and symbols.
- Replace any clips and/or fasteners which are damaged during removal or installation.

| Symbol No.  | Shapes   | Removal & Installation   |
|---|--|--|
|    |  <p style="text-align: right;">SBF302H</p>    | <p><b>Removal:</b><br/>Remove by bending up with flat-bladed screwdrivers.</p>  <p style="text-align: right;">SBF367B</p>   |
|    |  <p style="text-align: right;">SBT095</p>    |  <p><b>Removal:</b><br/>Remove with a clip remover.</p> <p style="text-align: right;">SBF423H</p>   |
|  |  <p style="text-align: right;">SBF258G</p>  | <p>Push center pin to catching position.<br/>(Do not remove center pin by hitting it.)</p>  <p><b>Installation:</b></p> <p style="text-align: right;">SBF708E</p> |
|  |  <p style="text-align: right;">MBT080A</p> | <p><b>Removal:</b></p>  <p style="text-align: right;">WBT033</p>  |
|  |  <p style="text-align: right;">MBF519B</p>  |  <p style="text-align: right;">MBF520B</p>  |

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# PRECAUTIONS AND PREPARATION

## Clip and Fastener (Cont'd)

| Symbol No.   | Shapes   | Removal & Installation   |
|--|--|--|
|  <p>CE103</p>   |     | <p><b>Removal:</b></p>  <p style="text-align: right;">SBF147B</p>   |
|  <p>CF118</p>   |     | <p><b>Removal:</b></p>  <p style="text-align: right;">SBF259G</p>   |
|  <p>CG101</p> |   | <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Removal:</b></p>  <p>Rotate 45° to remove.</p> </div> <div style="width: 45%;"> <p><b>Installation:</b></p>  </div> </div> <p style="text-align: right;">SBF085B</p> |
|  <p>CR103</p> |   | <p><b>Removal:</b><br/>Holder portion of clip must be spread out to remove rod.</p>  <p style="text-align: right;">SBF770B</p>  |
|  <p>CS101</p> |  | <p><b>Removal:</b><br/>Screw out with a Phillips screwdriver.</p> <p>Remove female portion with flat-bladed screwdriver.</p>  <p style="text-align: right;">ASBF140B</p>  |

# BODY END

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## Body Front End

- When removing or installing hood, place a cloth or other padding on 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 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 engaging mechanism of hood lock. MA
- Hood opener: Do not attempt to bend cable forcibly. Doing so increases effort required to unlock hood. EM

### REMOVAL — Front bumper assembly

- ① Remove screws and clips securing bumper fascia to left and right front fender protectors. **C**, **D** LC
- ② Remove bolts securing bumper fascia to engine undercover. **E**
- ③ Remove bolts securing bumper fascia to bumper reinforcement and fascia support. **F** EC
- ④ Remove bumper fascia and energy absorber from vehicle.
- ⑤ Remove fog lamp from bumper reinforcement. **G**
- ⑥ Remove bumper reinforcement bolts and bumper reinforcement. **H** FE
- ⑦ Remove bumper stay bolts and bumper stays. **I**

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# BODY END

## Body Front End (Cont'd)

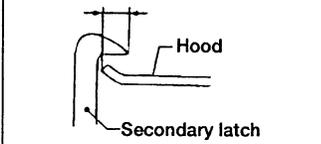
### SEC. 261 • 620 • 623 • 650

#### Hood lock adjustment

- Adjust hood so that hood primary lock meshes at a position 1 to 1.5 mm (0.039 to 0.059 in) lower than fender.
- After hood lock adjustment, adjust bumper rubber.
- When securing hood lock, ensure it does not tilt. Striker must be positioned at the center of hood primary lock.
- After adjustment, ensure that hood primary and secondary lock operate properly.

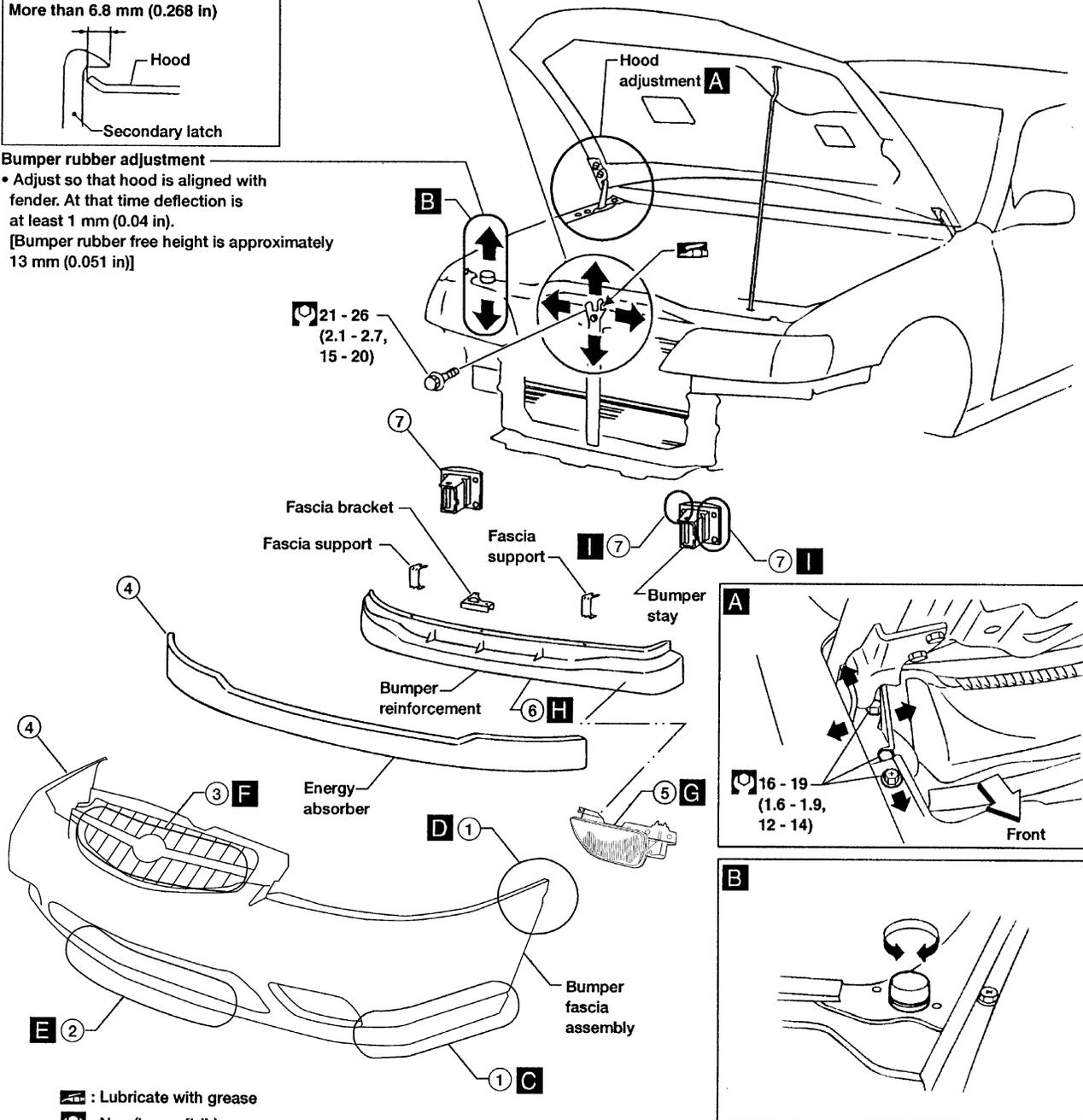
#### Hood lock secondary latch hooking length

More than 6.8 mm (0.268 in)



#### Bumper rubber adjustment

- Adjust so that hood is aligned with fender. At that time deflection is at least 1 mm (0.04 in).
- [Bumper rubber free height is approximately 13 mm (0.051 in)]

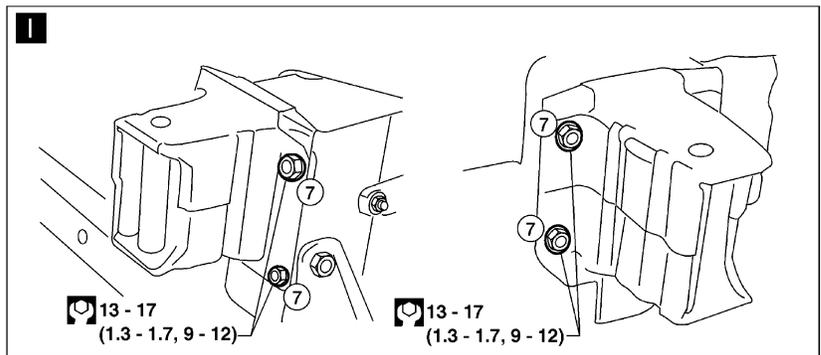
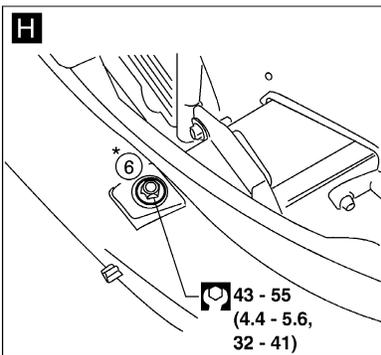
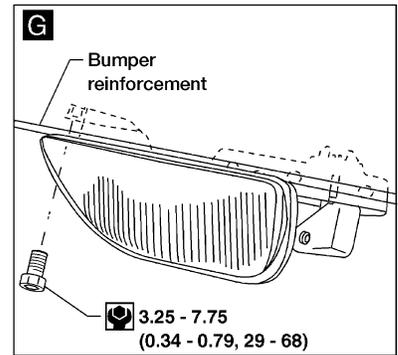
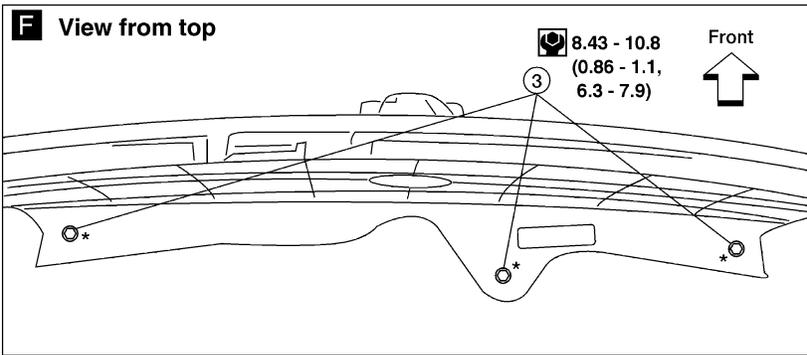
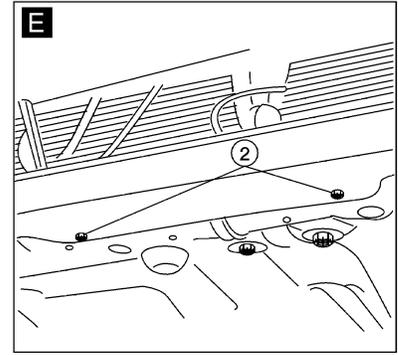
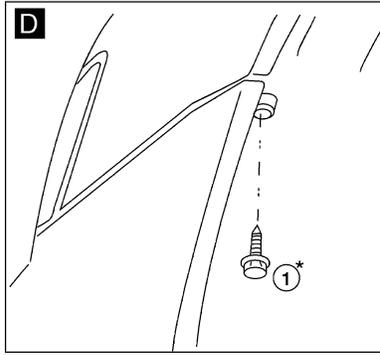
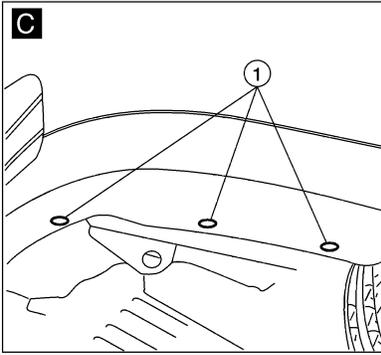


: Lubricate with grease

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

# BODY END

## Body Front End (Cont'd)



\* : Bumper assembly mounting bolts, screws, nuts, and clips

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 : N·m (kg·m, ft·lb)

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## BODY END

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### Body Rear End and Opener

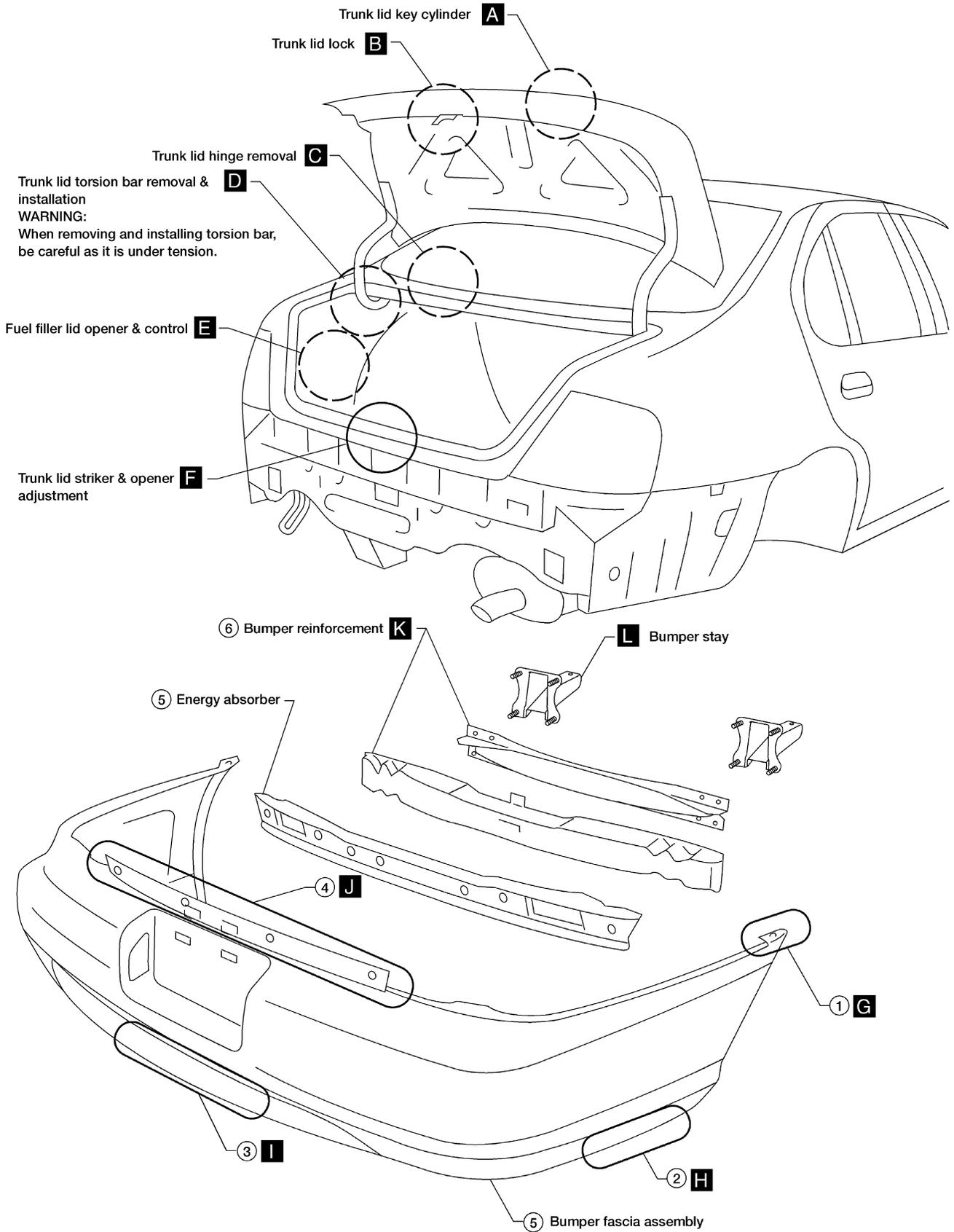
- When removing or installing trunk lid, place a cloth or other padding on rear fender panels. This prevents vehicle body from being scratched.
- Bumper fascia is made of plastic. Do not use excessive force and be sure to keep oil away from it.
- Trunk lid adjustment: Adjust at hinge-trunk lid portion 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.
- Opener cable: Do not attempt to bend cable forcibly.
- After installation, make sure that trunk lid and fuel filler lid open smoothly.

### REMOVAL — Rear bumper assembly

- ① Remove screws securing bumper fascia to rear fender. **G**
- ② Remove clips securing bumper fascia to rear fender. **H**
- ③ Remove clips securing bumper fascia to bumper reinforcement. **I**  
Disconnect the license plate lamp electrical connectors.
- ④ Remove clips securing bumper fascia to rear panel. **J**
- ⑤ Remove bumper fascia and energy absorber from vehicle.
- ⑥ Remove both parts of bumper reinforcement from bumper stays. **K**
- ⑦ Reposition trunk floor carpet to access trunk floor.
- ⑧ Remove plugs from floor and then remove bumper stay mount bolts. **L**
- ⑨ Remove bumper stays from vehicle.

# BODY END

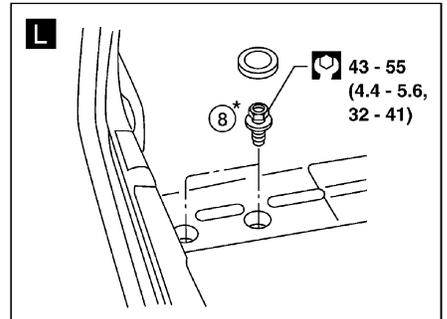
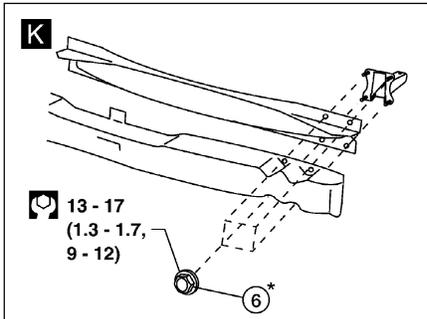
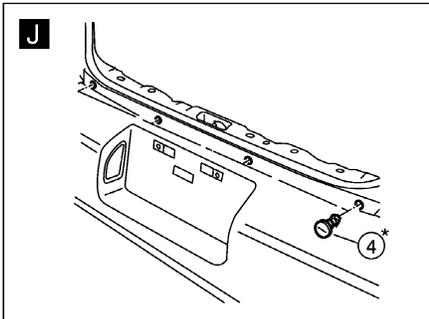
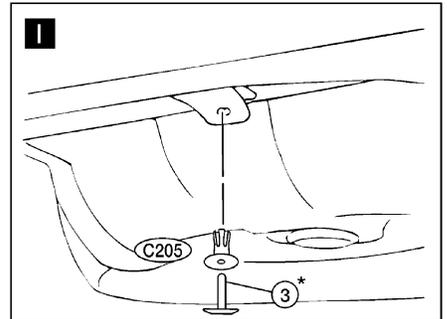
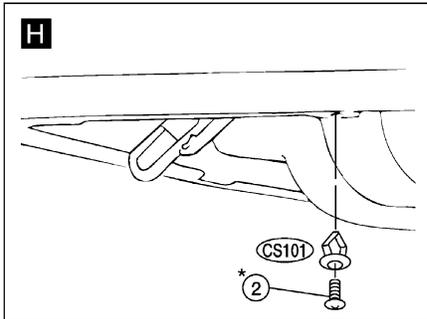
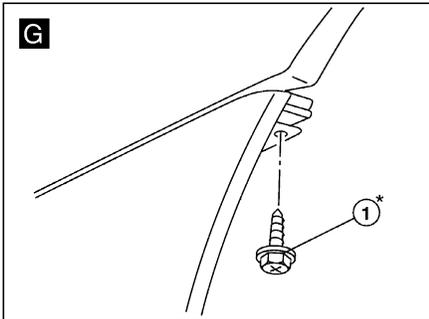
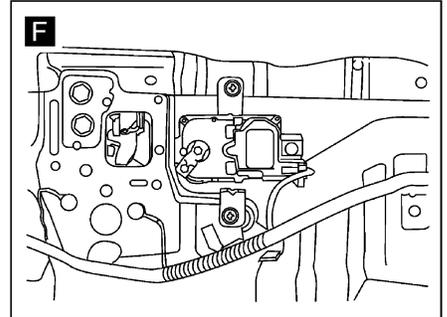
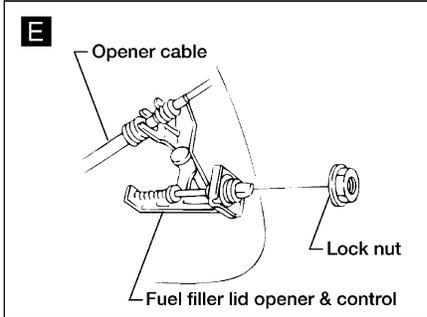
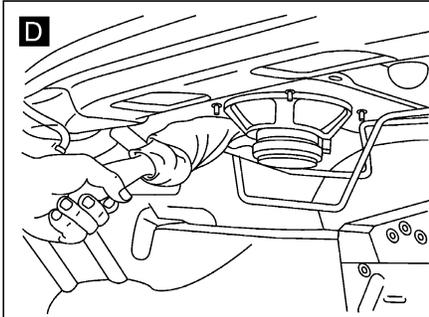
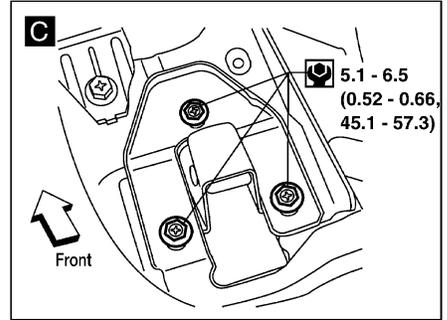
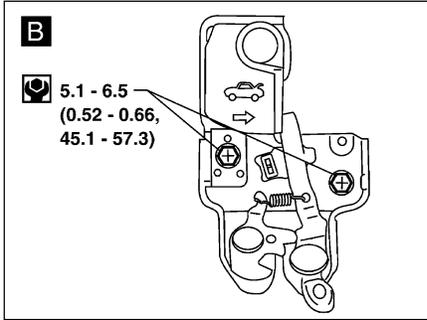
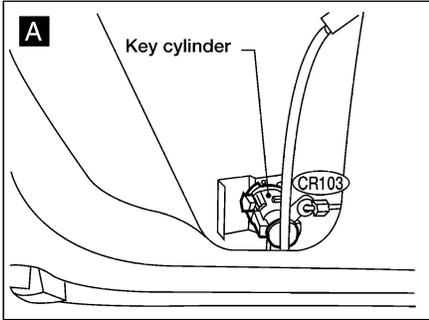
## Body Rear End and Opener (Cont'd)



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# BODY END

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



\* : Bumper assembly mounting bolts, screws, nuts, and clips

- : N-m (kg-m, in-lb)
- : N-m (kg-m, ft-lb)
- : Lubricate with grease

# BODY END

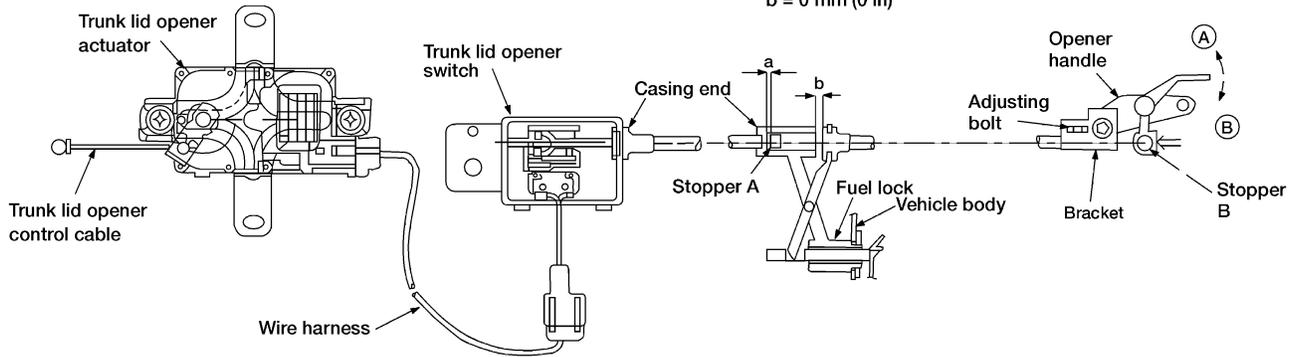
## Body Rear End and Opener (Cont'd)

Trunk lid and fuel filler lid opener installation  
Installation (Refer to figure below)

- ① Temporarily route cable and secure fuel lock to vehicle body.
- ② Loosen adjusting bolt and eliminate clearance **a** while pulling cable in direction **(A)** shown by arrow.
- ③ Attach stopper **B** to handle. While lightly pushing cable in direction **(B)** shown by arrow (do not allow any clearance **b** at lock casing end to occur), secure handle to vehicle body.

Ensure that clearances **a** and **b** are eliminated after installation.

$a = 0 \text{ mm (0 in)}$   
 $b = 0 \text{ mm (0 in)}$



WBT085

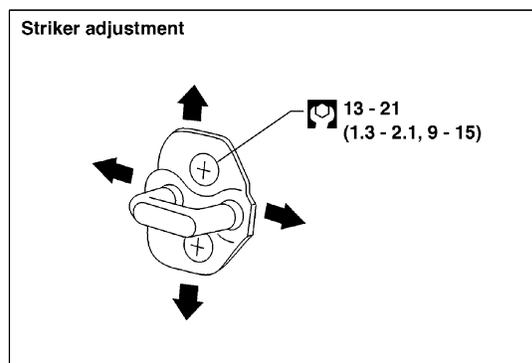
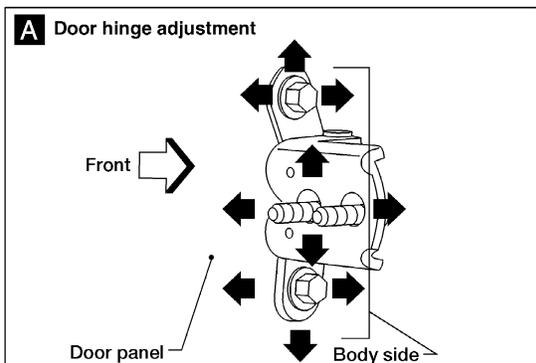
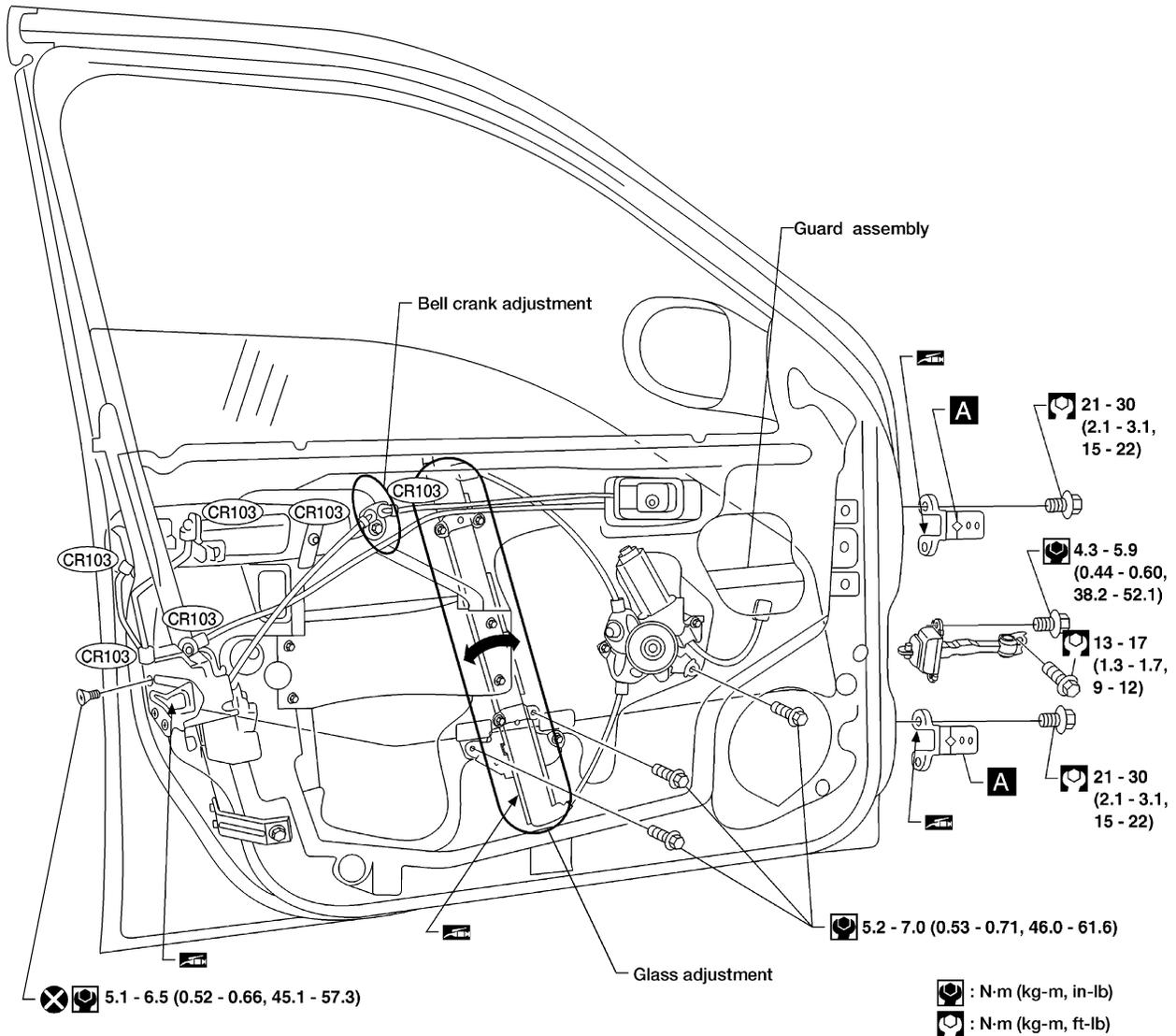
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# DOOR

- For removal of door trim. Refer to “Door Trim”, BT-20.
- When removing door, be sure not to scratch vehicle body.
- After adjusting door or door lock, check door lock operation.
- When disassembling rear door window, it is better to remove upper and waist roller mounting first.

## Front Door

SEC. 800•803•805

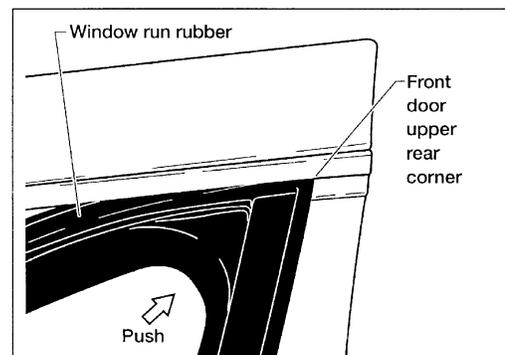
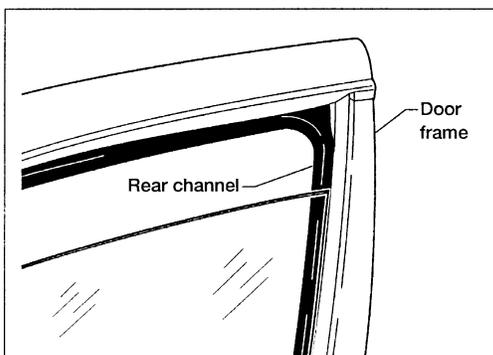
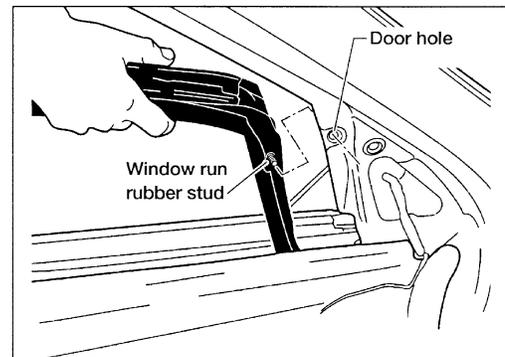
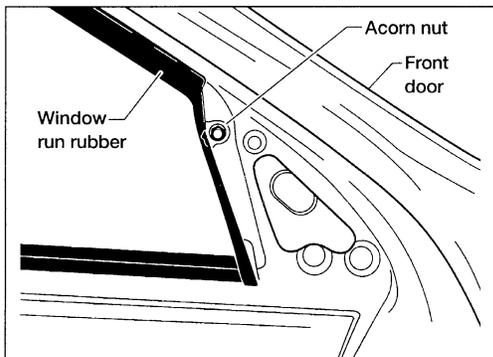
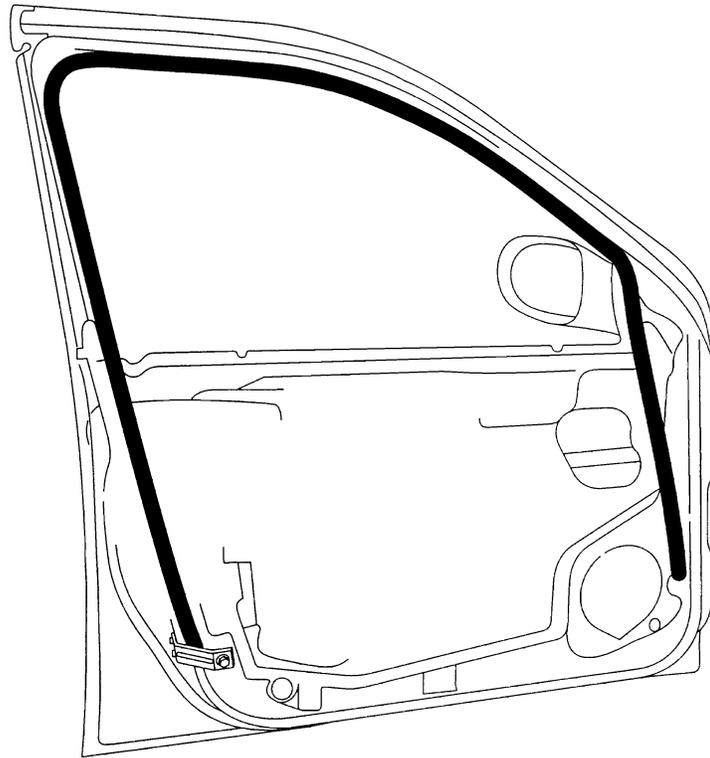


# DOOR

## Front Door (Cont'd)

- Remove the inside door trim. Refer to "Door Trim", BT-20.
- Remove the inside door plastic vapor barrier.
- Remove the window glass.
- Remove the acorn nut and bolts that attach the window run rubber assembly.
- Remove the window run rubber assembly.

SEC. 800 • 803 • 805

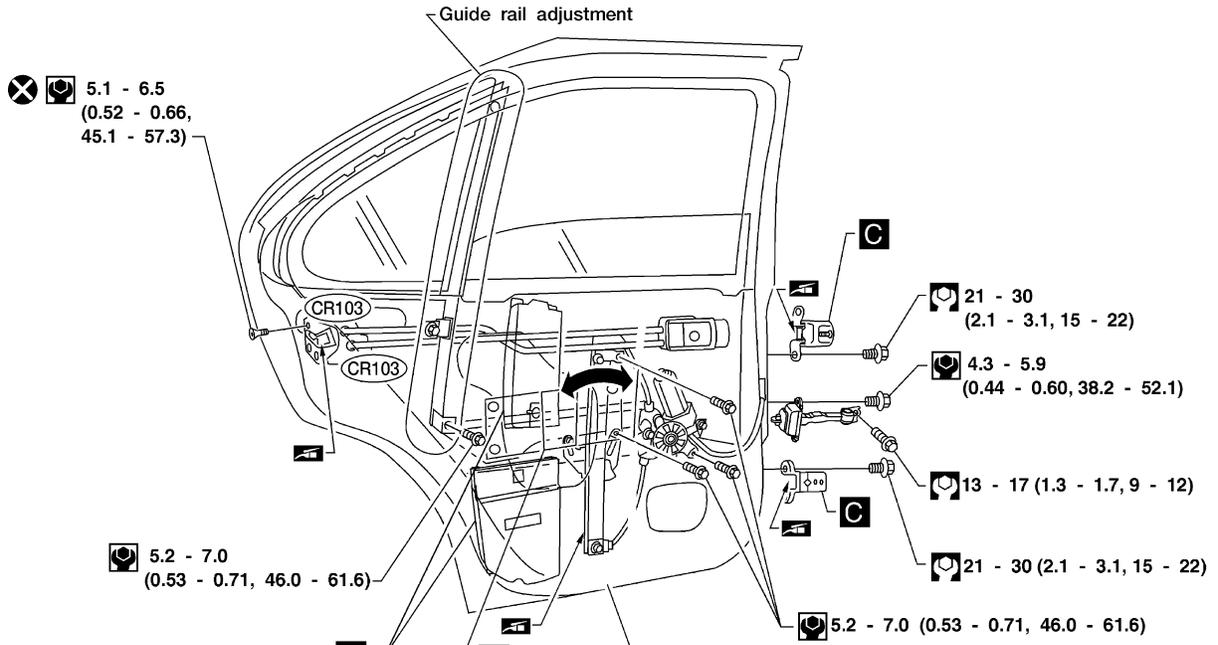


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# DOOR

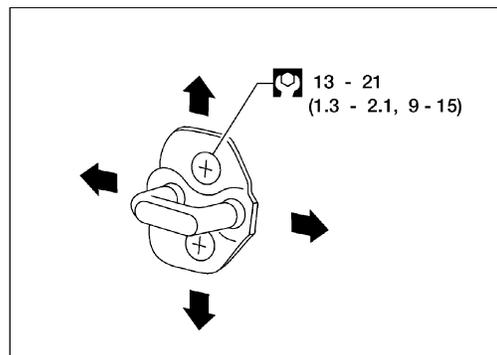
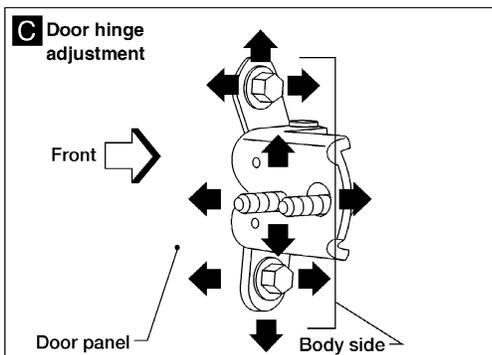
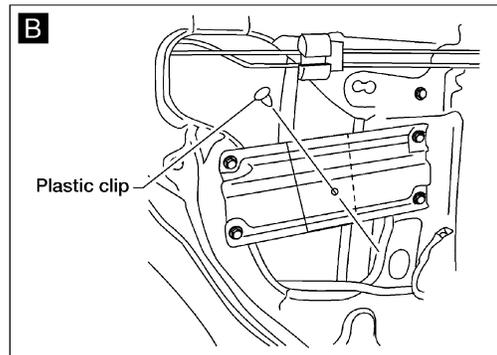
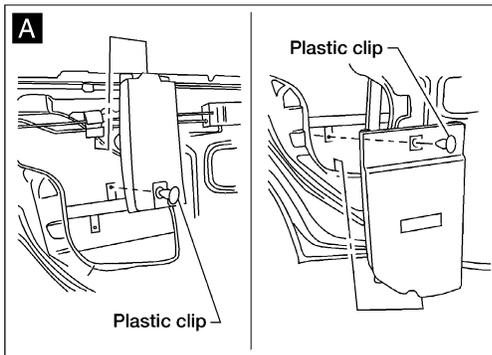
## Rear Door

SEC. 820 • 823 • 825



- Visually inspect for damage (i.e., cracks), replace if any damage is present.
- Always reinstall if removed.

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



# INSTRUMENT PANEL

## CAUTION:

- Disconnect both terminals from battery in advance.
- Disconnect air bag module connectors in advance.
- Never tamper with or force air bag lid open, as this may adversely affect air bag performance.
- Be careful not to scratch finishers and other parts.
- Wrap the tip of a flat-bladed screwdriver with a cloth when removing metal clips from garnishes.

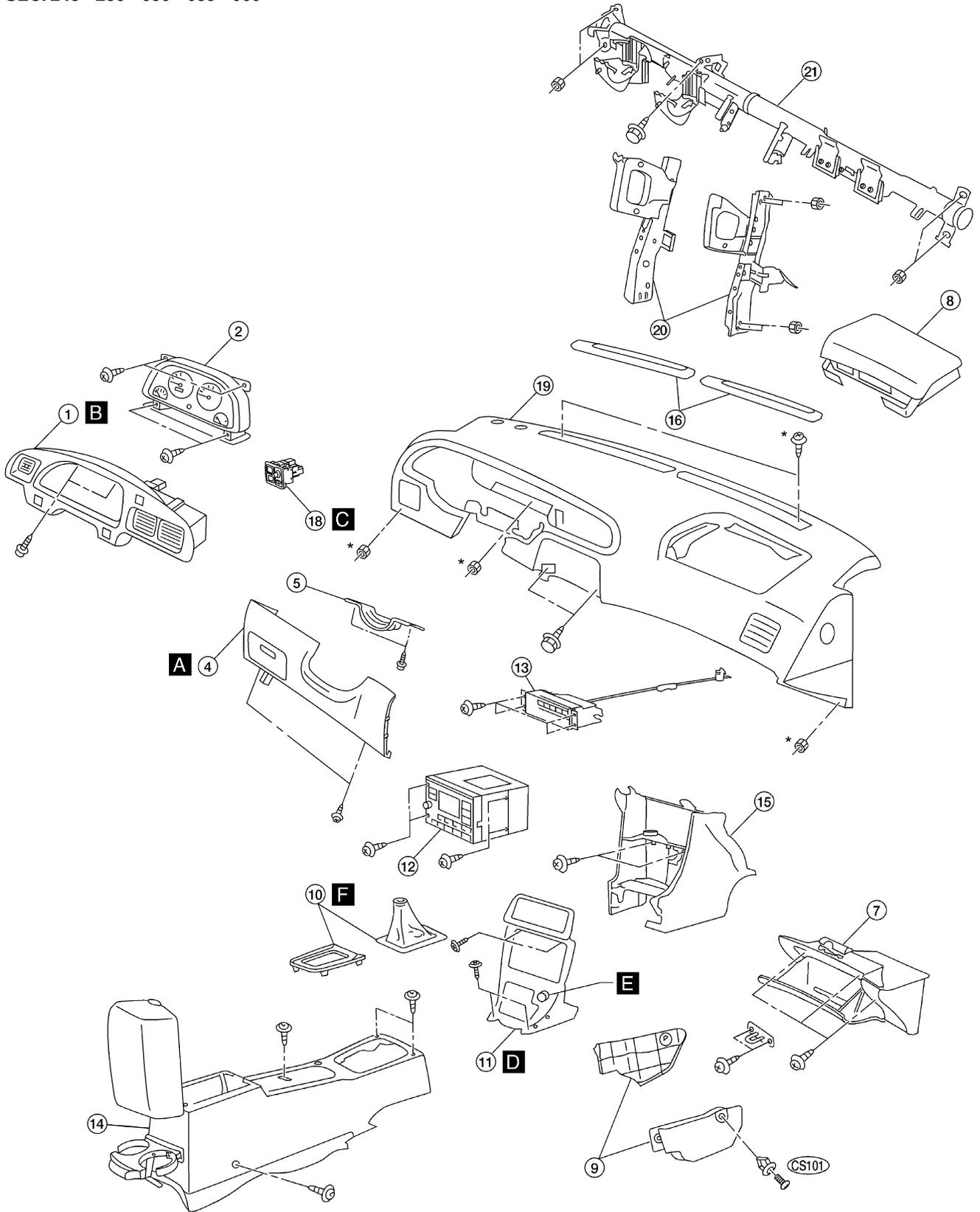
## REMOVAL — Instrument panel assembly

| Instrument panel assembly   | Combination meter | Instrument panel center console | A/C & heater control | Audio                |
|---|-------------------|---------------------------------|----------------------|----------------------|
| ① Cluster lid A<br>● Remove two screws, then disconnect harness connectors.                                     |                   | <b>B</b>                        |                      |                      |
| ② Combination meter<br>Remove four screws, then disconnect harness connectors.                                  |                   |                                 |                      |                      |
| ③ Remove kick plate and dash side finisher on driver side. Refer to "Side and Floor Trim", BT-18.               |                   |                                 |                      |                      |
| ④ Instrument lower panel on driver side<br>● Remove two screws.   |                   |                                 | <b>A</b>             |                      |
| ⑤ Dash lower reinforcement panel<br>● Remove two screws.  |                   |                                 |                      |                      |
| ⑥ Remove steering column mounting nuts. Refer to ST section ("STEERING WHEEL AND STEERING COLUMN") for details. |                   |                                 |                      |                      |
| ⑦ Glove box assembly<br>● Remove five screws.   |                   |                                 |                      |                      |
| ⑧ Remove front passenger air bag module. Refer to RS section ("Removal—Front Passenger Air Bag Module").        |                   |                                 |                      |                      |
| ⑨ Instrument lower covers.  |                   |                                 |                      |                      |
| ⑩ A/T finisher or M/T boot<br>● Snaps in and out of place.  |                   |                                 |                      |                      |
| ⑪ Cluster lid C<br>● Remove four screws.  |                   |                                 |                      | <b>F</b>             |
| ⑫ Audio and deck pocket<br>● Remove four screws.  |                   |                                 |                      | <b>D</b><br><b>E</b> |
| ⑬ A/C & heater control<br>● Remove four screws.   |                   |                                 |                      |                      |
| ⑭ Center console assembly<br>● Remove five screws.  |                   |                                 |                      |                      |
| ⑮ Instrument center panel<br>● Remove two screws.   |                   |                                 |                      |                      |
| ⑯ Front defroster grilles.  |                   |                                 |                      |                      |
| ⑰ Front pillar garnish<br>● Refer to "Side and Floor Trim", BT-18.  |                   |                                 |                      |                      |
| ⑱ Switch panel.   |                   | <b>C</b>                        |                      |                      |
| ⑲ Instrument panel assembly<br>● Remove three nuts and four screws.   |                   |                                 |                      |                      |
| ⑳ Instrument stay assemblies, if necessary<br>● Remove eight nuts.  |                   |                                 |                      |                      |
| ㉑ Steering member assembly, if necessary<br>● Remove five nuts and one bolt.                                    |                   |                                 |                      |                      |

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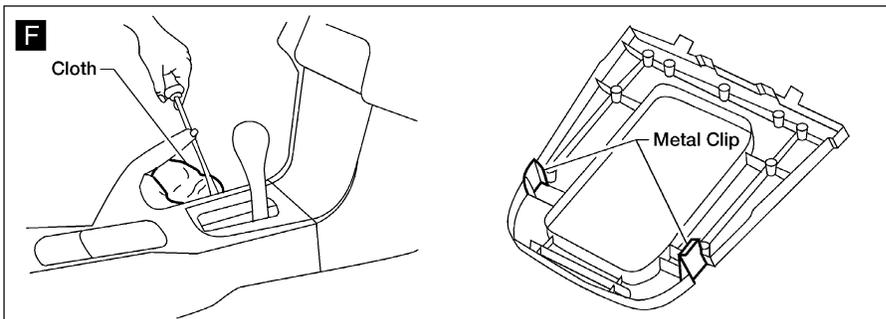
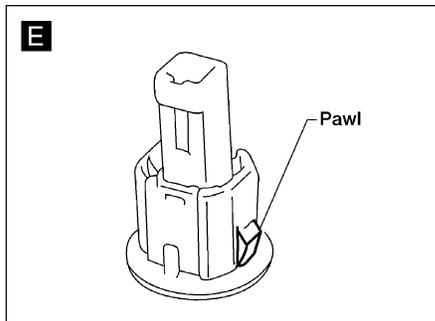
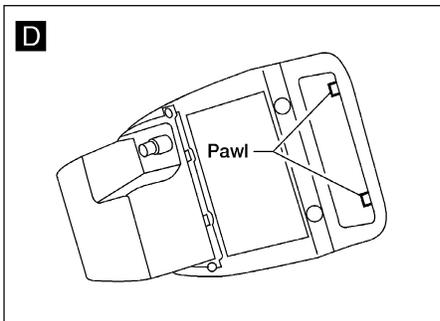
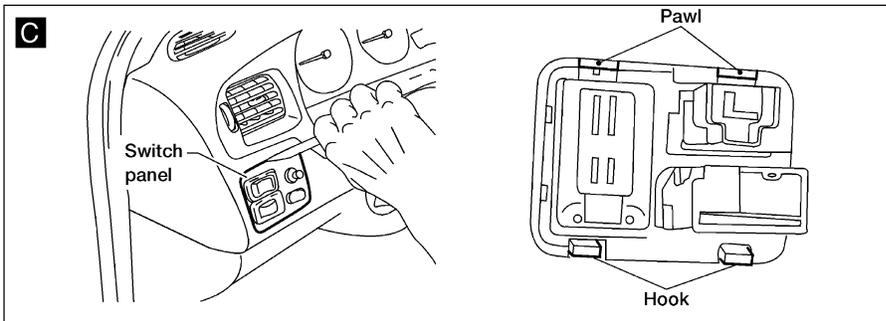
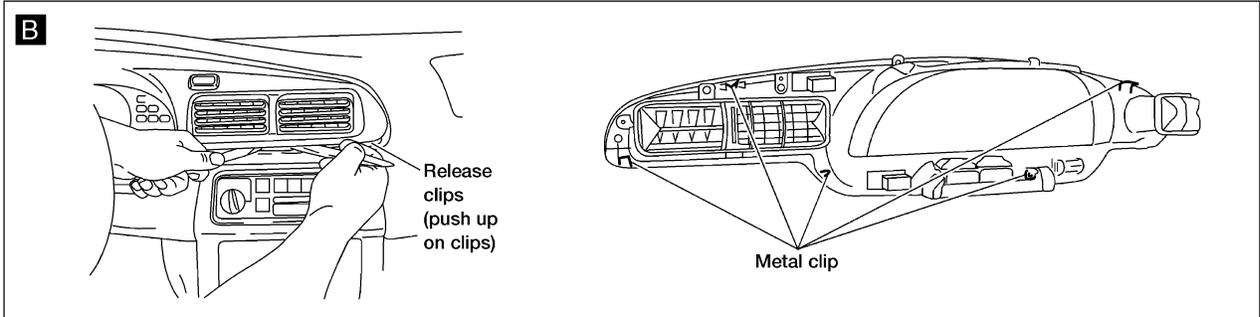
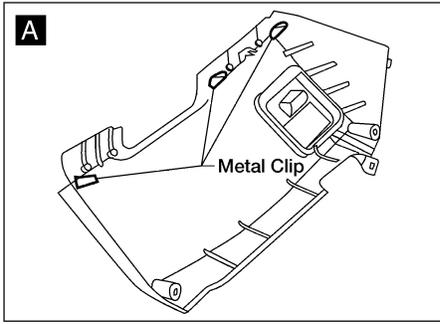
# INSTRUMENT PANEL

SEC. 248 • 280 • 680 • 685 • 969



\* : Instrument panel assembly mounting bolts, screws and nuts.

# INSTRUMENT PANEL



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# INTERIOR TRIM

## Side and Floor Trim

### CAUTION:

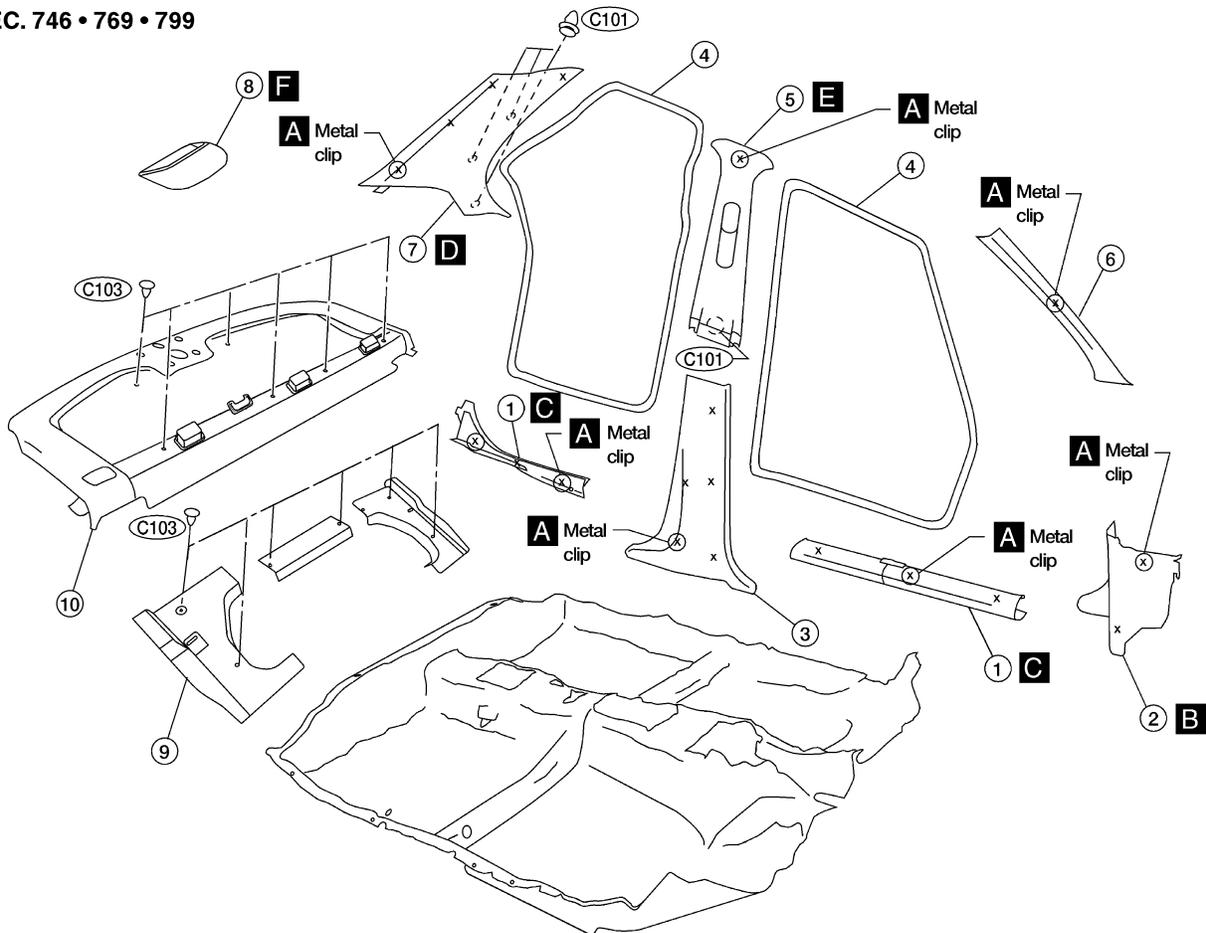
Wrap the tip of flat-bladed screwdriver with a cloth when removing metal clips from garnishes.

### REMOVAL — Body side trim

Remove front and rear seats and seatbelts.

- ① Remove front and rear kick plates. **C**
- ② Remove dash side finisher. **B**
- ③ Remove center pillar lower garnish.
- ④ Remove front and rear body side welts.
- ⑤ Remove center pillar upper garnish. **E**
- ⑥ Remove front pillar garnish.
- ⑦ Remove rear pillar garnish. **D**
- ⑧ Remove center high mount stop lamp. **F**
- ⑨ Remove rear seat finisher.
- ⑩ Remove rear parcel shelf.

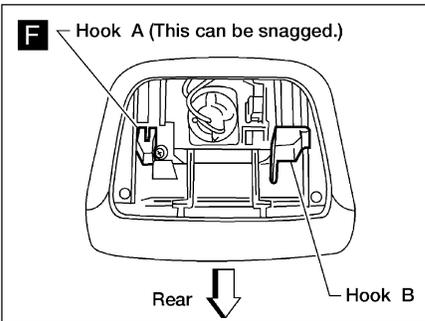
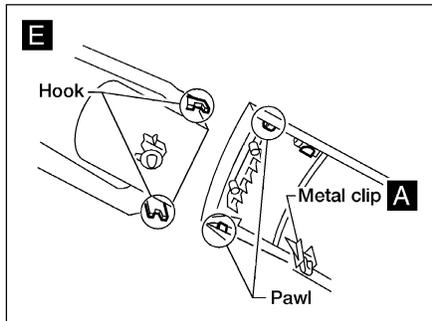
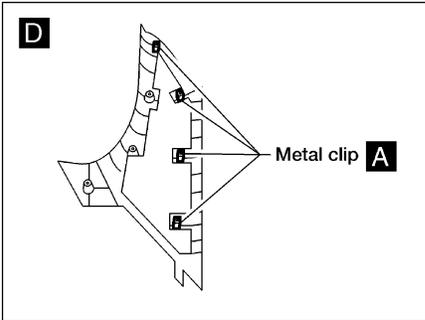
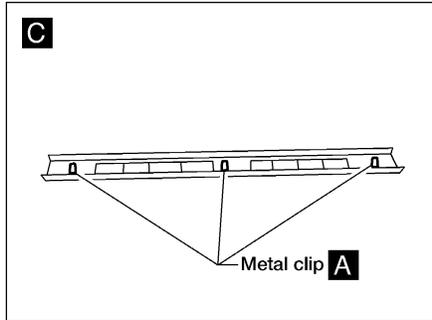
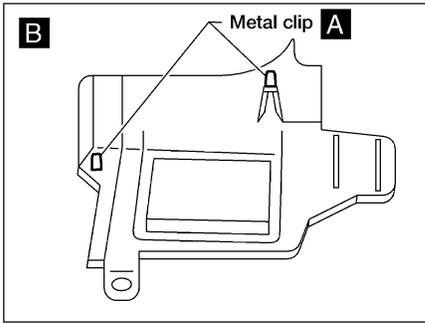
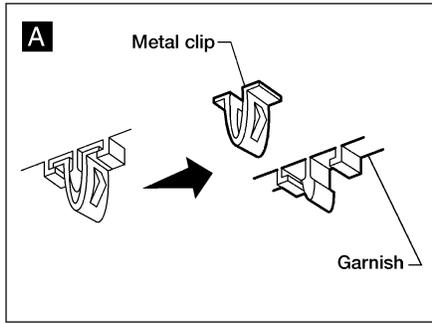
SEC. 746 • 769 • 799



WBT011

# INTERIOR TRIM

## Side and Floor Trim (Cont'd)



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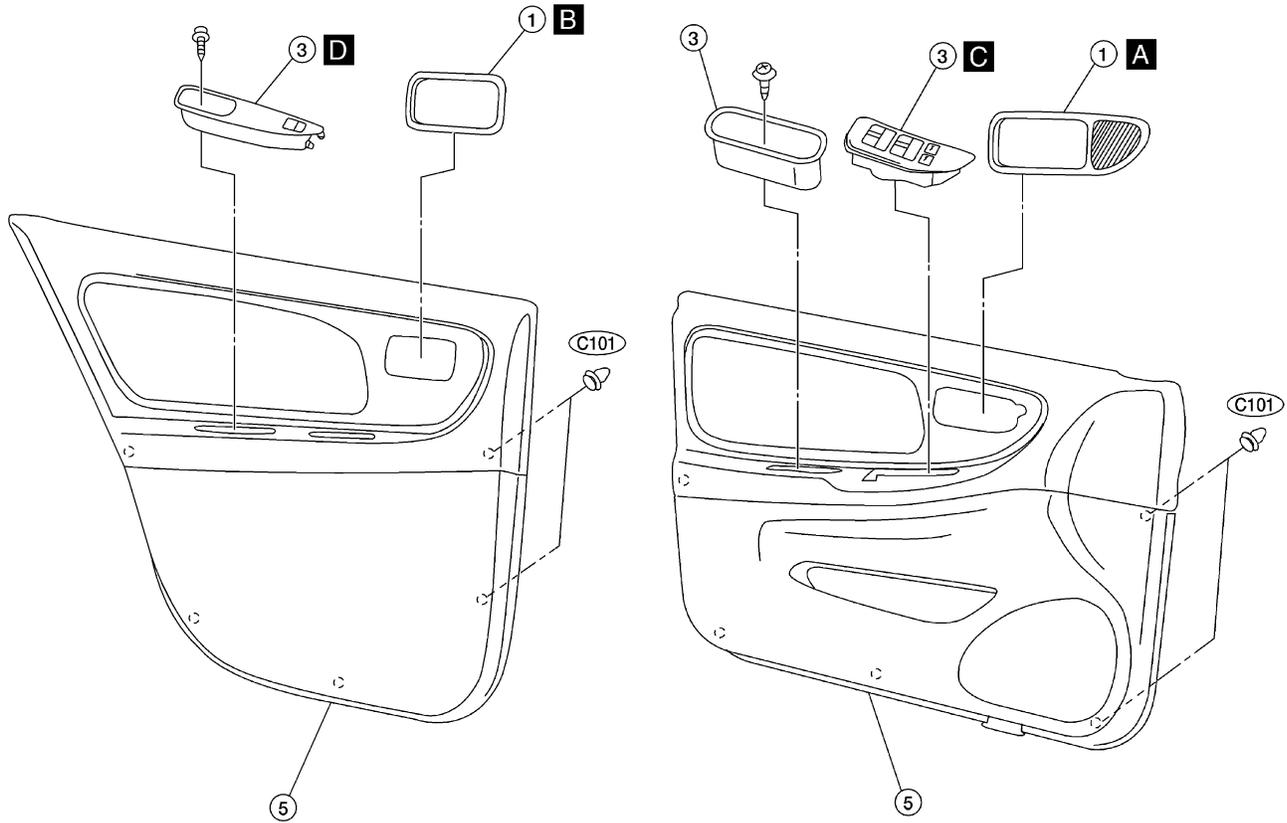
# INTERIOR TRIM

## Door Trim

### DOOR TRIM REMOVAL — Door trim

- ① Remove inside handle escutcheon. **A** , **B**
- ② Remove pull handle (driver door only).
- ③ Remove power window switch finisher then disconnect power window switch connector. **C** , **D**
- ④ Pull on door finisher to remove clips from door panel and remove door finisher.

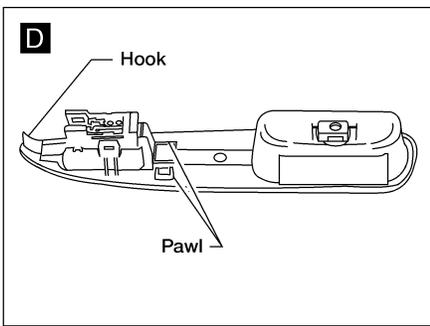
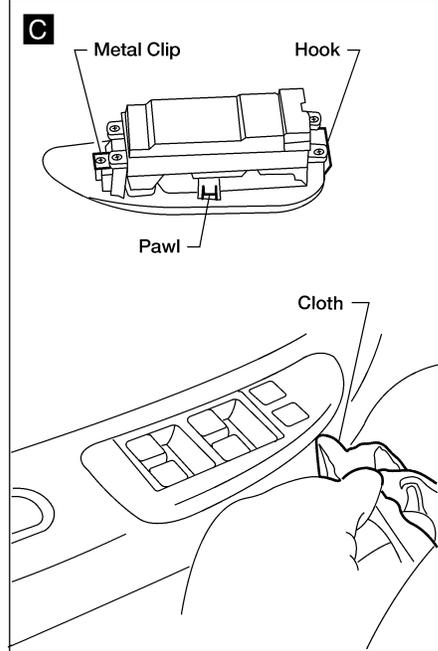
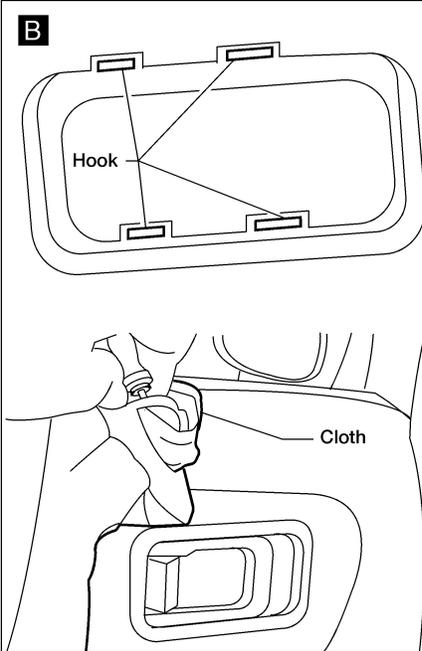
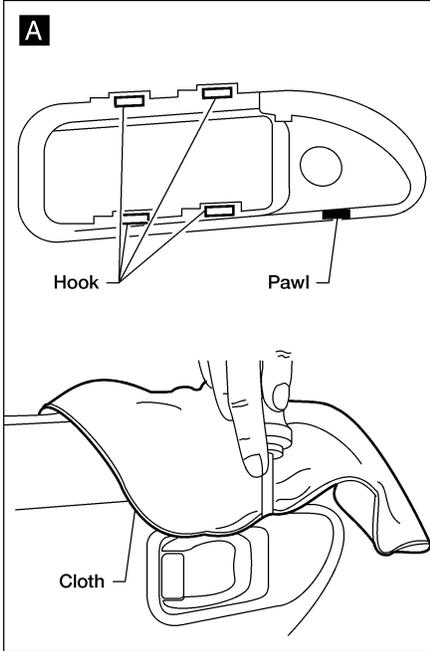
SEC. 805 • 809 • 825 • 828



WBT024

# INTERIOR TRIM

## Door Trim (Cont'd)



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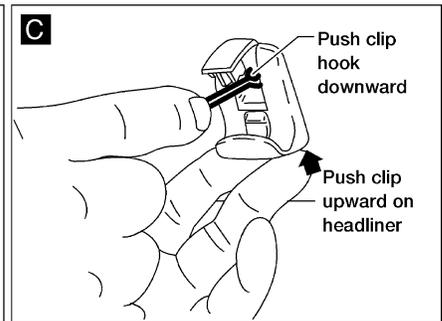
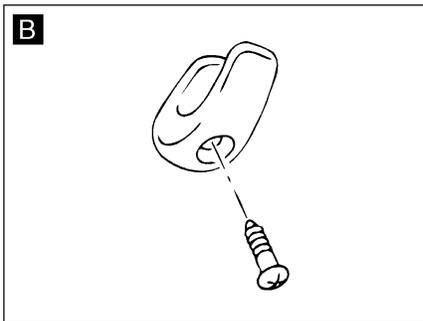
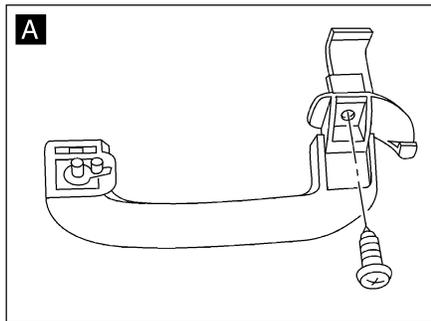
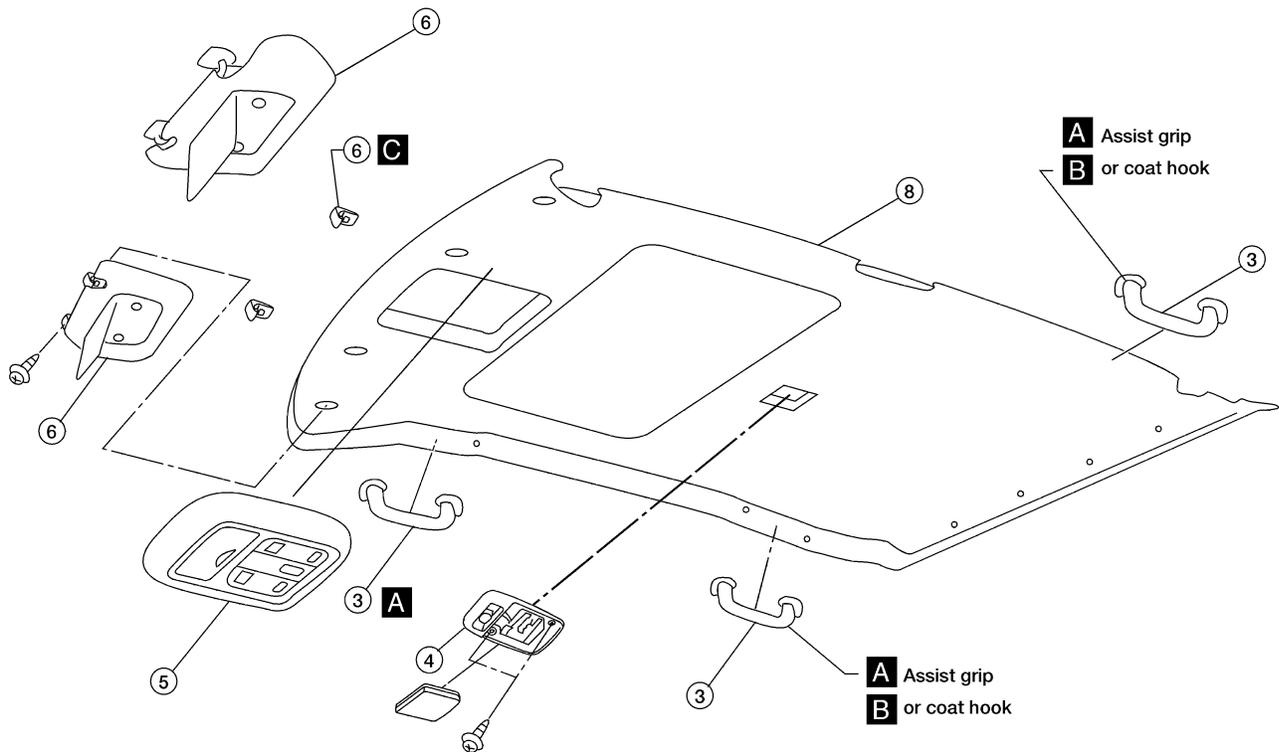
# INTERIOR TRIM

## Roof Trim

### REMOVAL — Headlining

- ① Remove front seat belt upper guide loops. Refer to RS section (“Front Seat Belt”).
- ② Remove front and rear kick plates, center pillar lower garnish, and body side welts. Refer to BT-18.
- ③ Remove assist grips (Models equipped with sunroof) or coat hooks. **A B**
- ④ Remove interior lamp.
- ⑤ Remove sunroof switch. (Models equipped with sunroof)
- ⑥ Remove sunvisors.
- ⑦ Remove front, center upper and rear pillar garnishes. Refer to BT-18.
- ⑧ Remove headlining.

SEC. 264 • 738 • 964

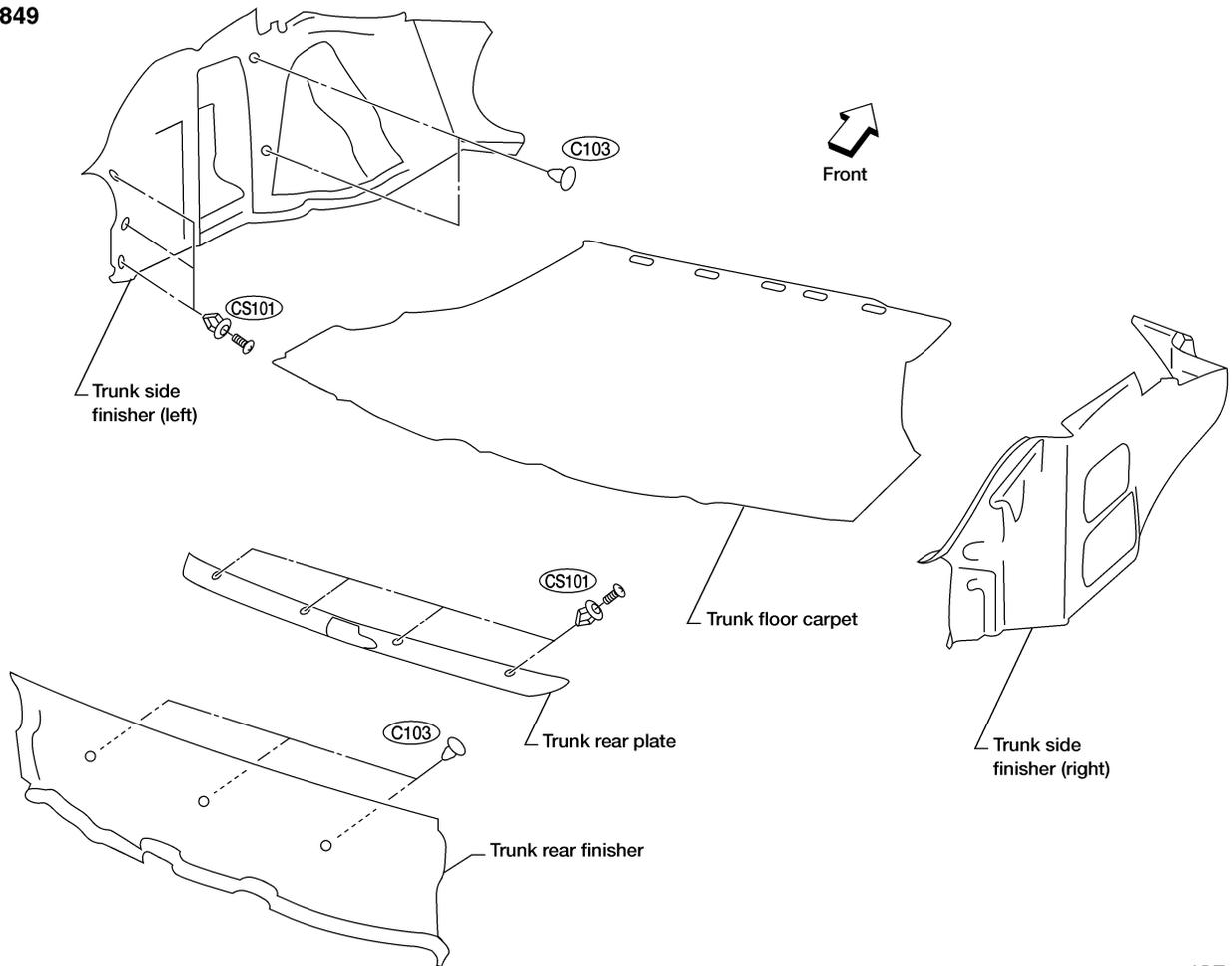


WBT001

# INTERIOR TRIM

## Luggage Room Trim

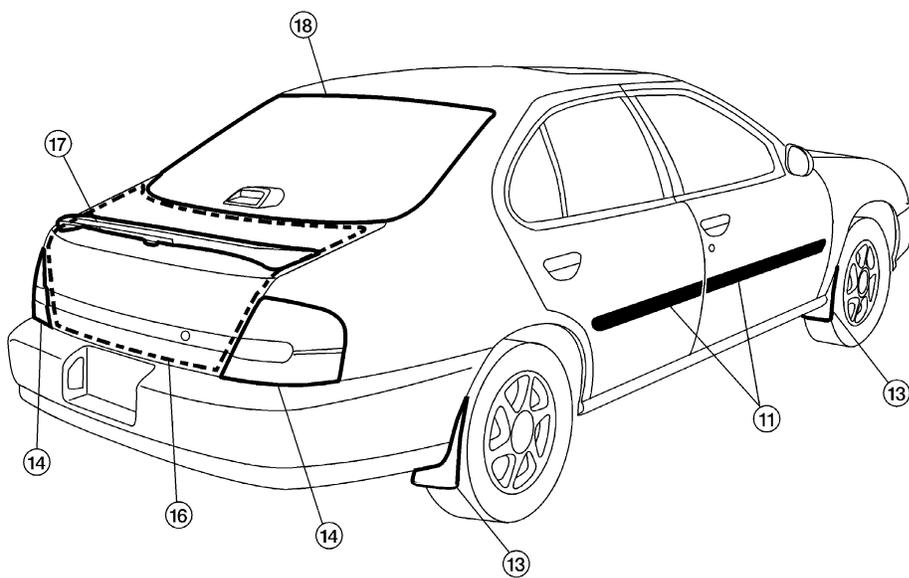
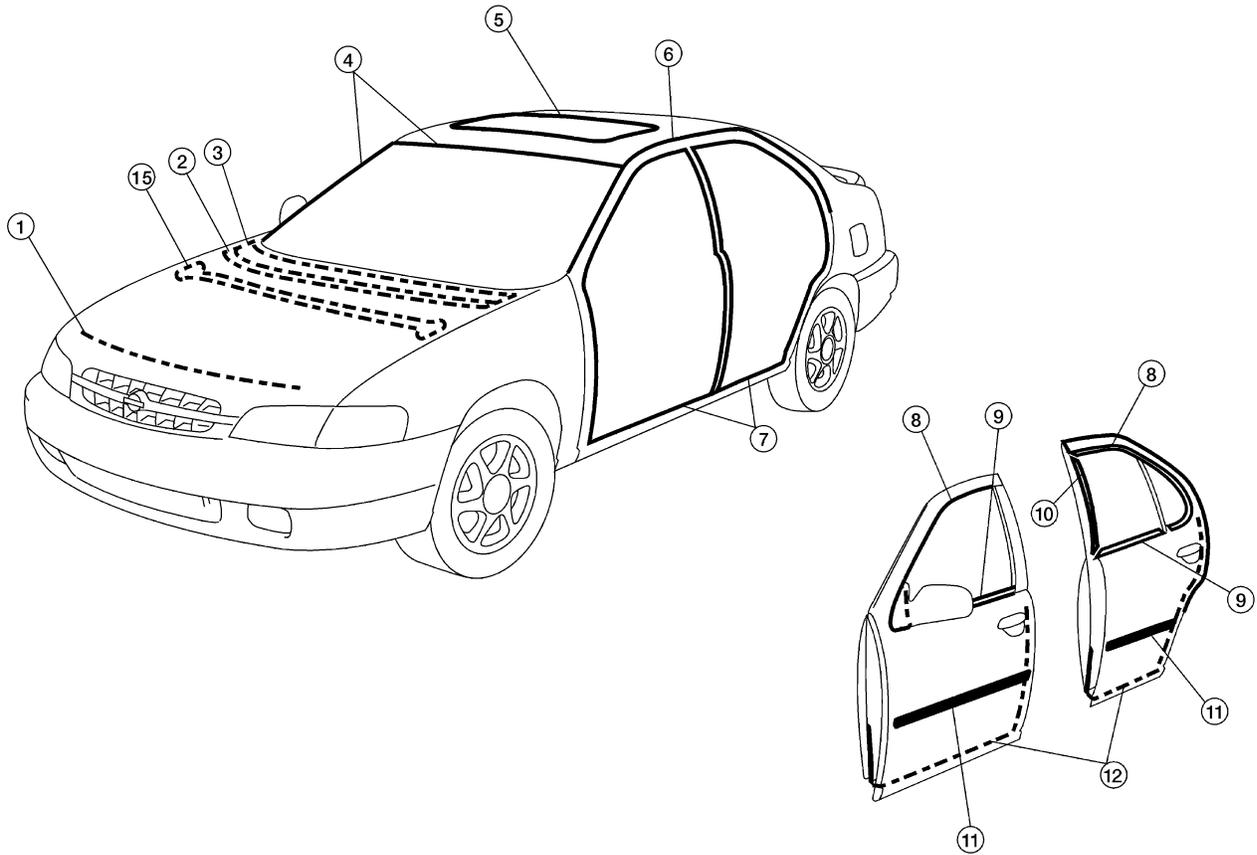
SEC. 849



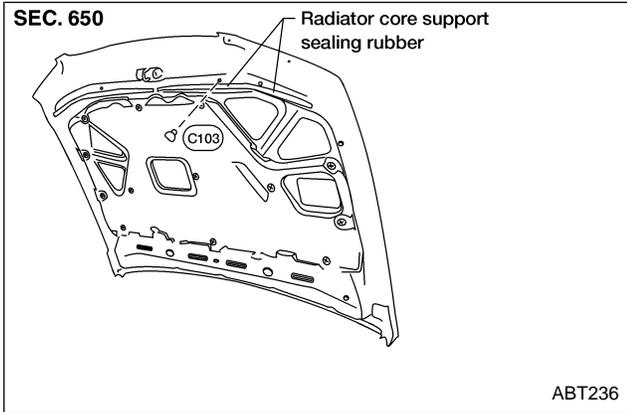
ABT254

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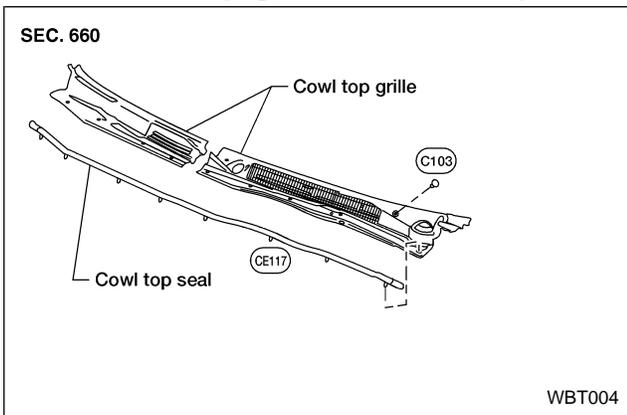
# EXTERIOR



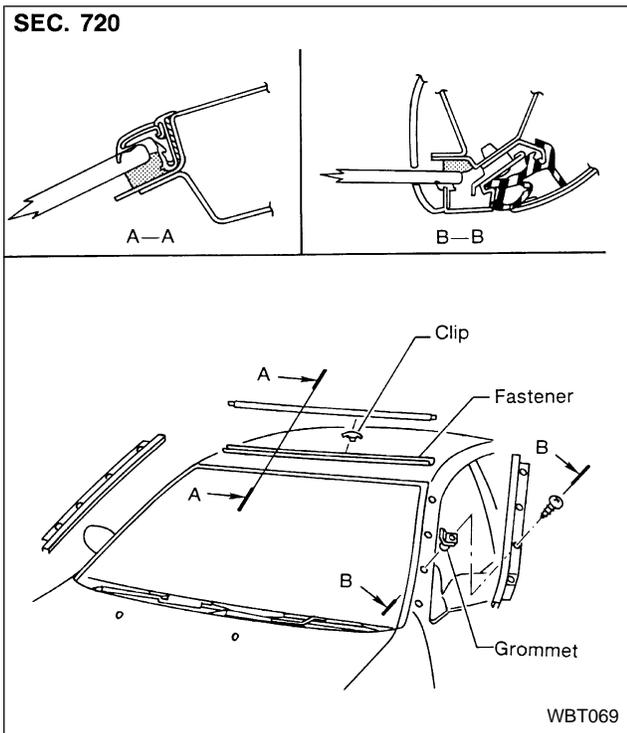
## ① Front hood insulator



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



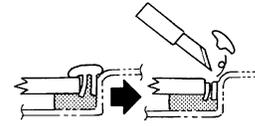
## ④ Front windshield molding



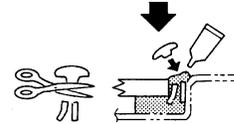
## ④ Windshield upper and side molding

### Method 1

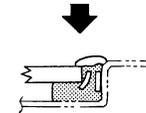
Cut off top portion of molding and clean glass and panel surfaces.



Apply urethane adhesive to top portion of old molding.



Cut off lower portion of new molding.

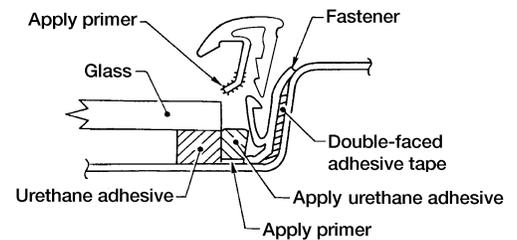


Finish well to give it a good appearance.

WBT027

### Method 2

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



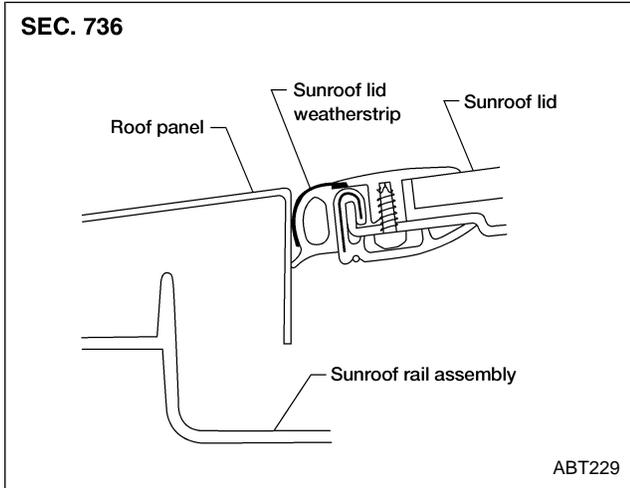
4. Install molding by aligning the molding mark located on center with vehicle center. Be sure to install tightly so that there is no gap around the corner.

WBT070

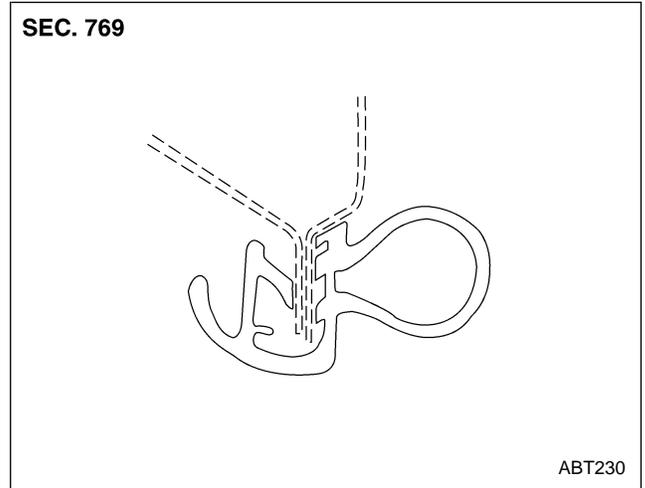
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# EXTERIOR

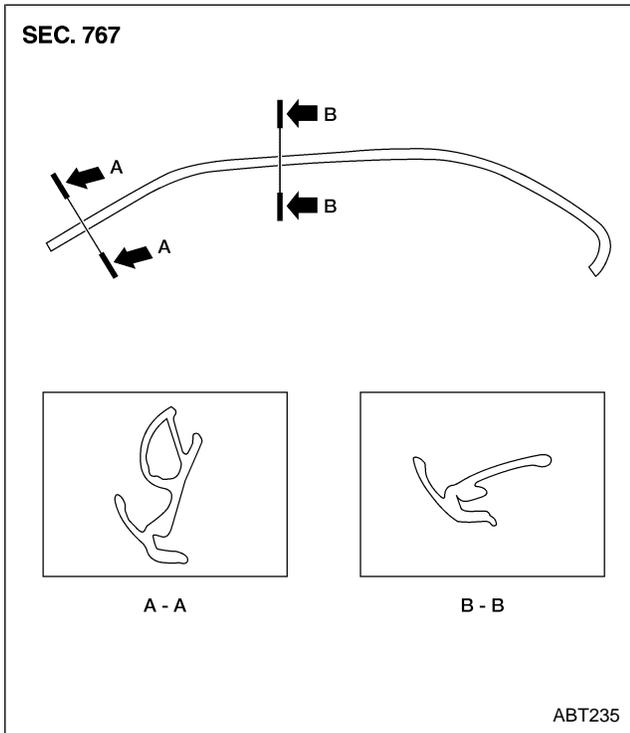
## ⑤ Sunroof lid weatherstrip



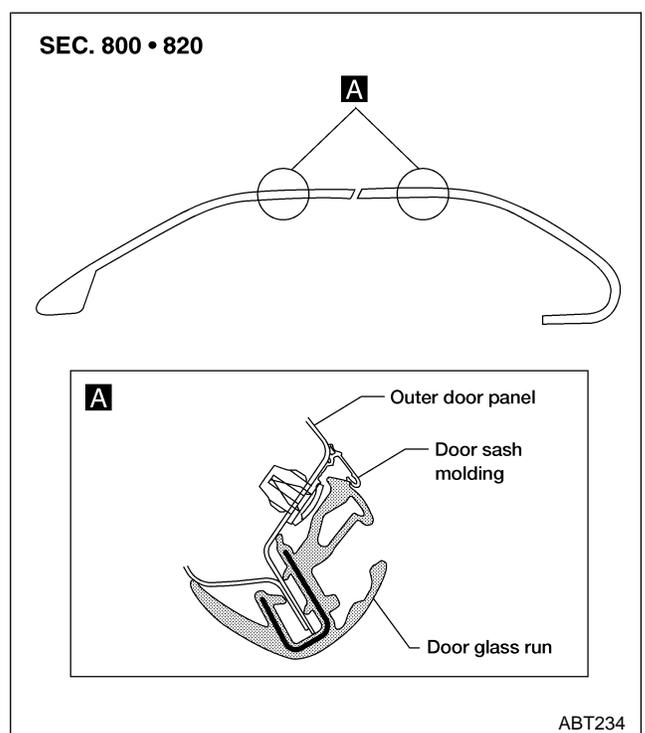
## ⑦ Body side welt



## ⑥ Body side drip weatherstrip

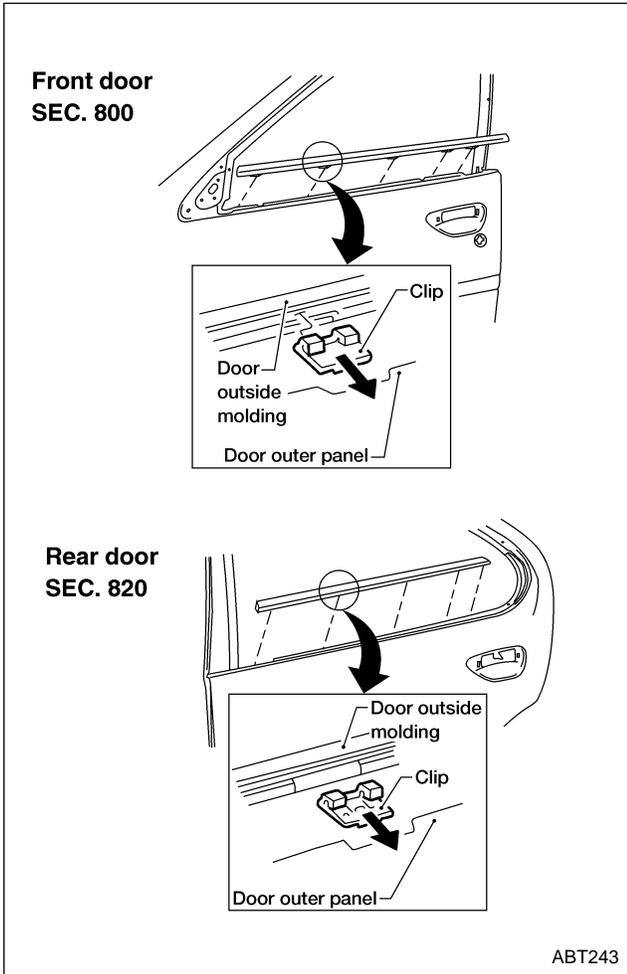


## ⑧ Door sash molding

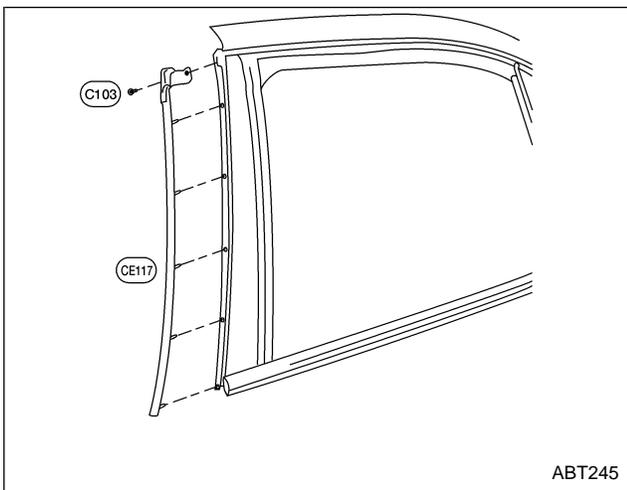


# EXTERIOR

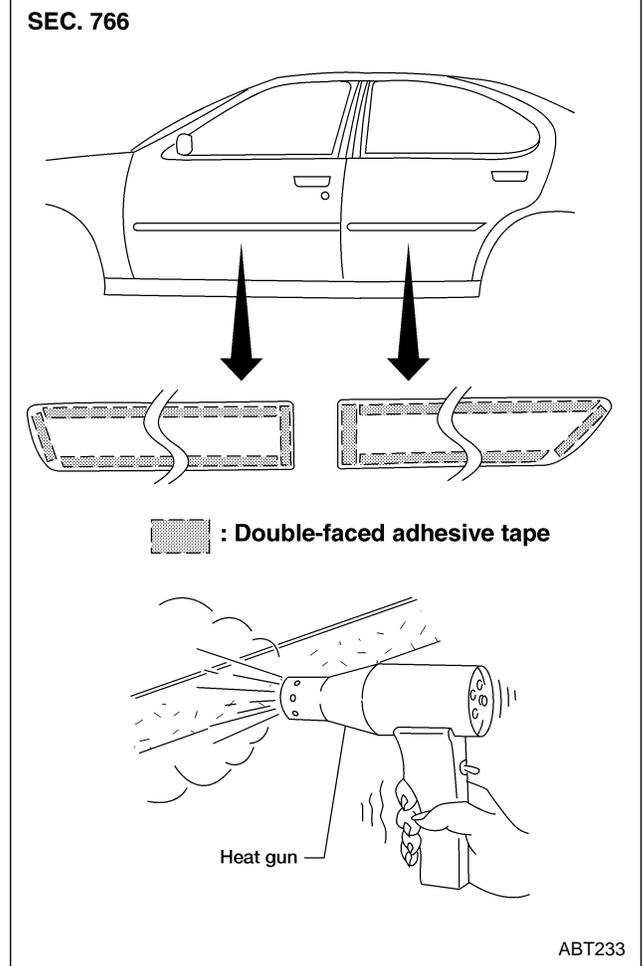
## ⑨ Door outside molding



## ⑩ Door parting seal



## ⑪ Side guard molding



- Original side guard molding is affixed to body panel with double-faced adhesive tape.
- The repair parts are also affixed with double-faced adhesive tape.

### • Removal:

1. Heat molding portion to 30 to 40°C (86 to 104°F) with a heat gun.
2. Raise end of molding and, while cutting off bonding agent, detach molding.

### • Installation:

1. Remove all traces of bonding agent from body panel. Then clean contact face of body.

### CAUTION:

Never apply tack-paper adhesive remover to body panel surface finished with lacquer-based paint.

2. Heat body panel and molding to 30 to 40°C (86 to 104°F) with a heat gun. Then install molding.

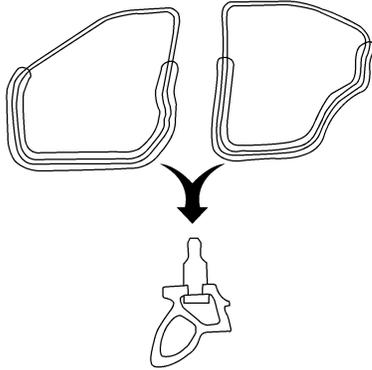
- For vehicles coated with a Hard Clear Coat, use double-faced 3M adhesive tape Product No. 4210 or equivalent, after priming with 3M primer Product No. N-200 or C-100 or equivalent.

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# EXTERIOR

## 12 Door weatherstrip

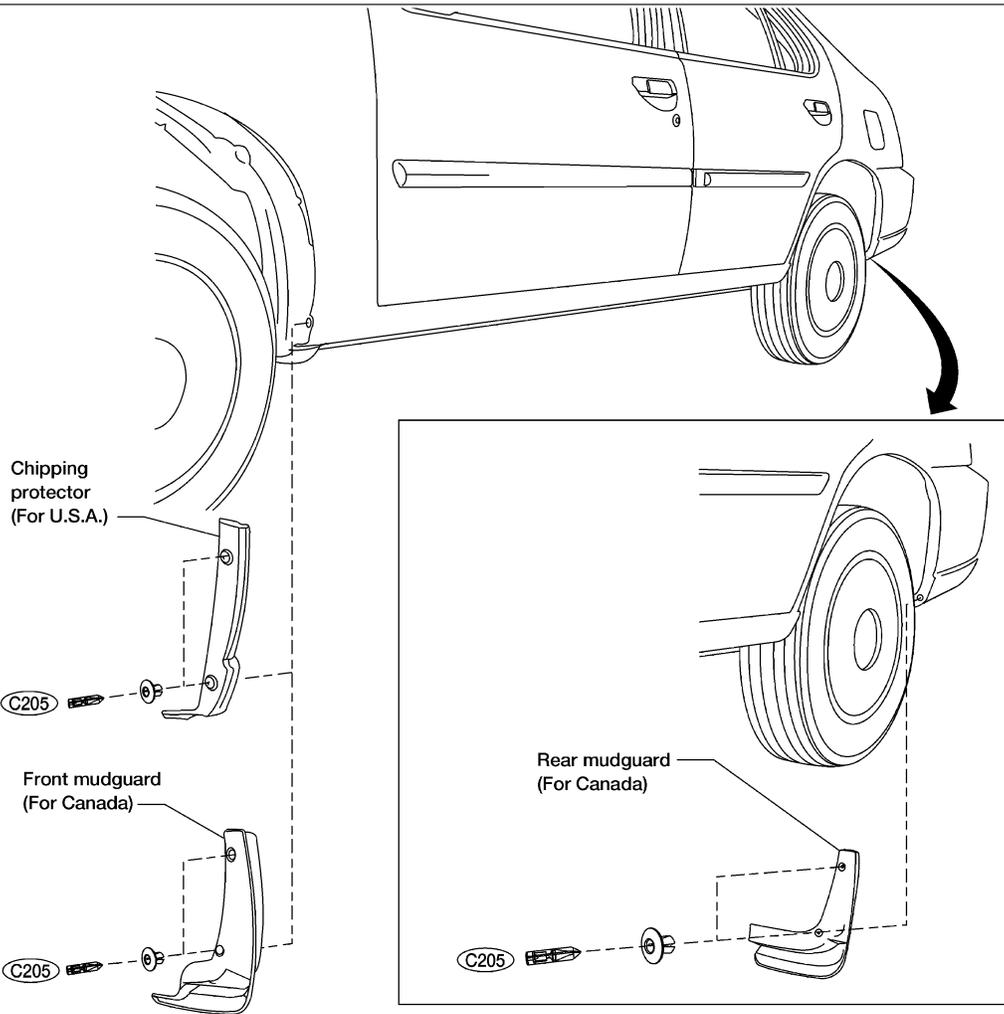
SEC. 800 • 820



ABT231

## 13 Mudguards

SEC. 767

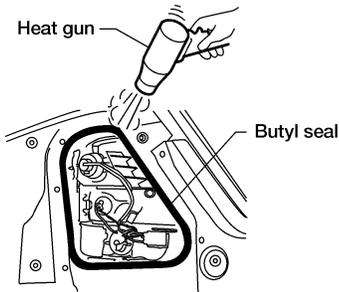


ABT237

# EXTERIOR

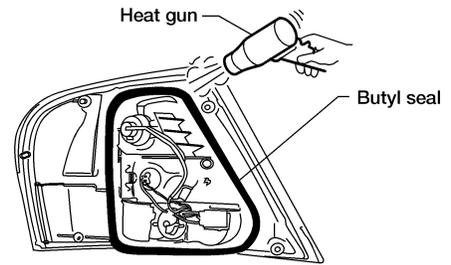
## 14 Rear combination lamp

### SEC.265 Removal



- Warm up lamp assembly area to a temperature of a little below 60°C (140°F).

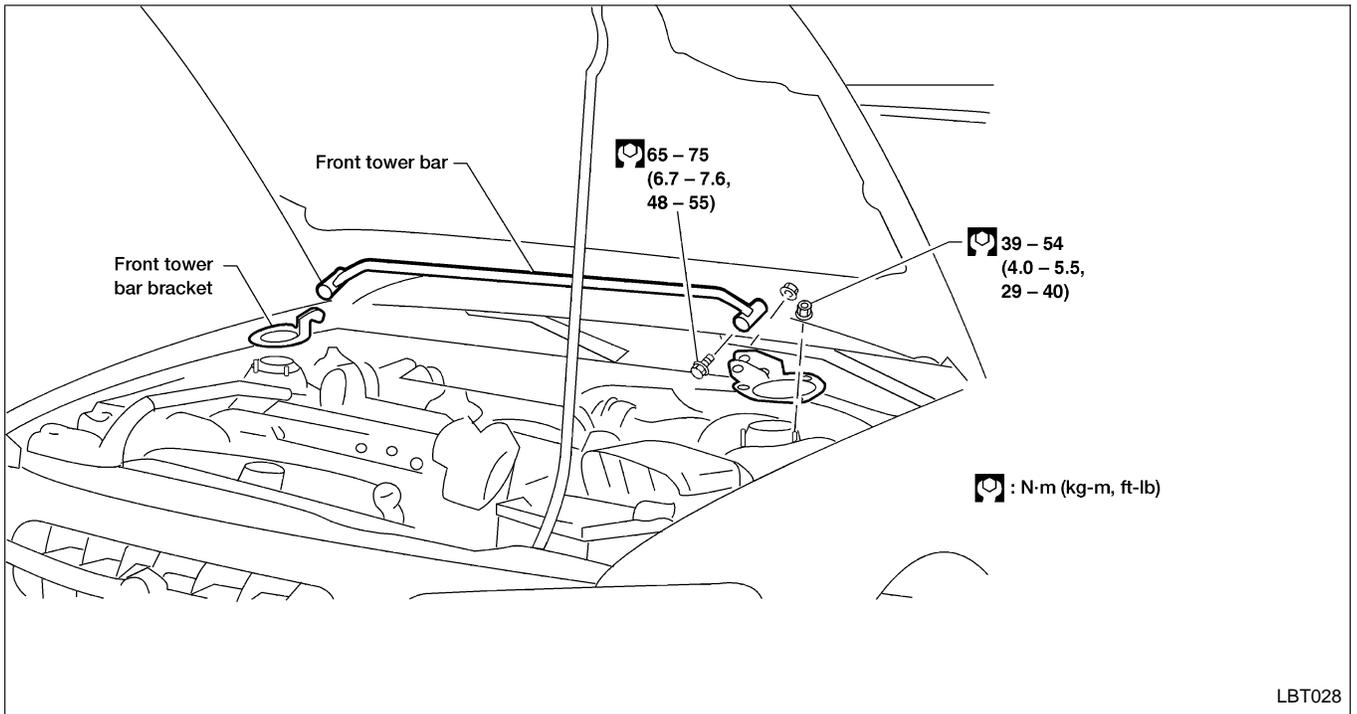
### Installation



- 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).

ABT244

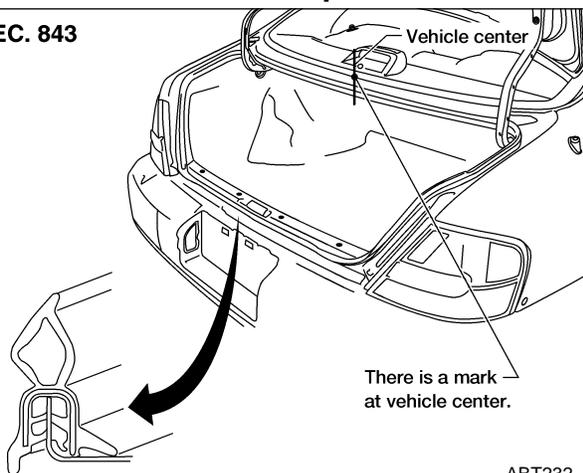
## 15 Front tower bar



LBT028

## 16 Trunk lid weatherstrip

### SEC. 843



ABT232

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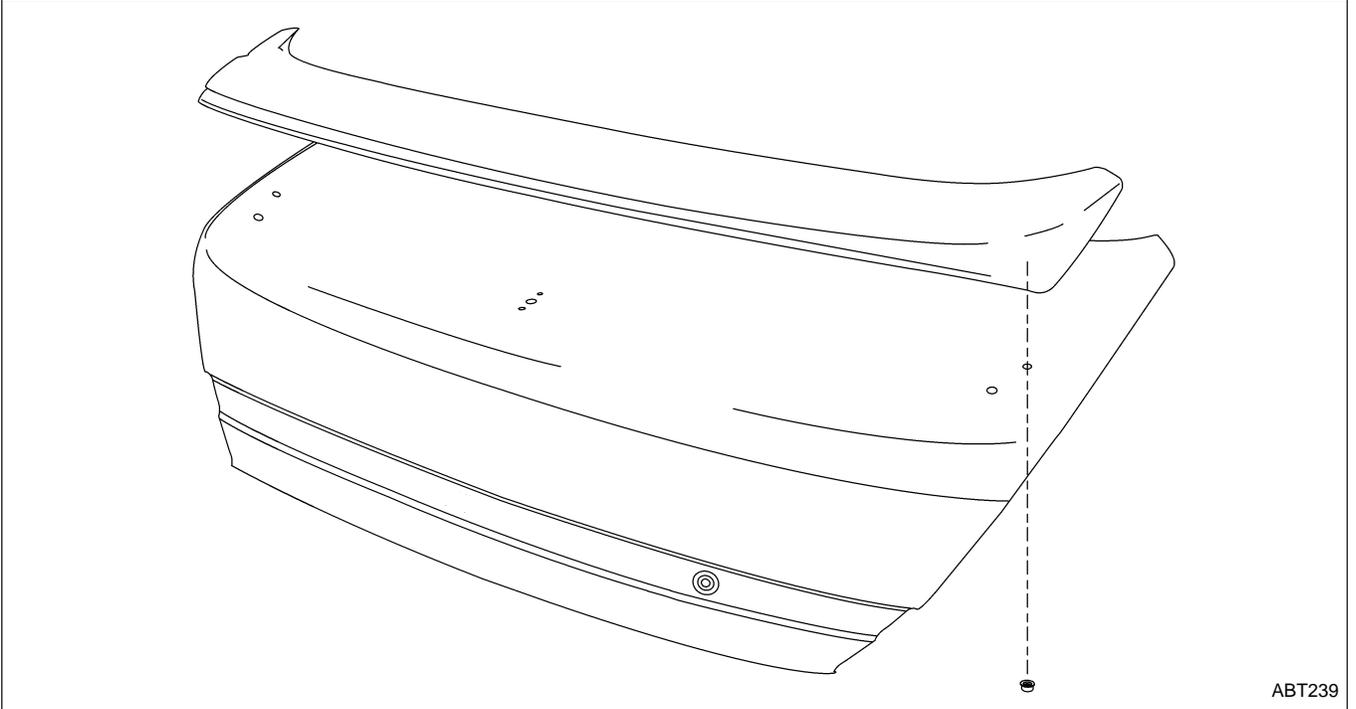
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## EXTERIOR

### ⑰ Rear air spoiler



ABT239

### ⑱ Rear window molding

Refer to "Windshield and Rear Window", BT-43.

# SEAT

---

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

★ For Wiring Diagram, refer to EL section (“POWER SEAT”).

**CAUTION:**

- Before removing the front seat, turn the ignition switch off, disconnect both battery cable 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 and the power seat switch harness connector from under the seat before removing the seat.
- Disconnect the side air bag module before removing the seat back. Refer to RS section (“Side Air Bag Module”).

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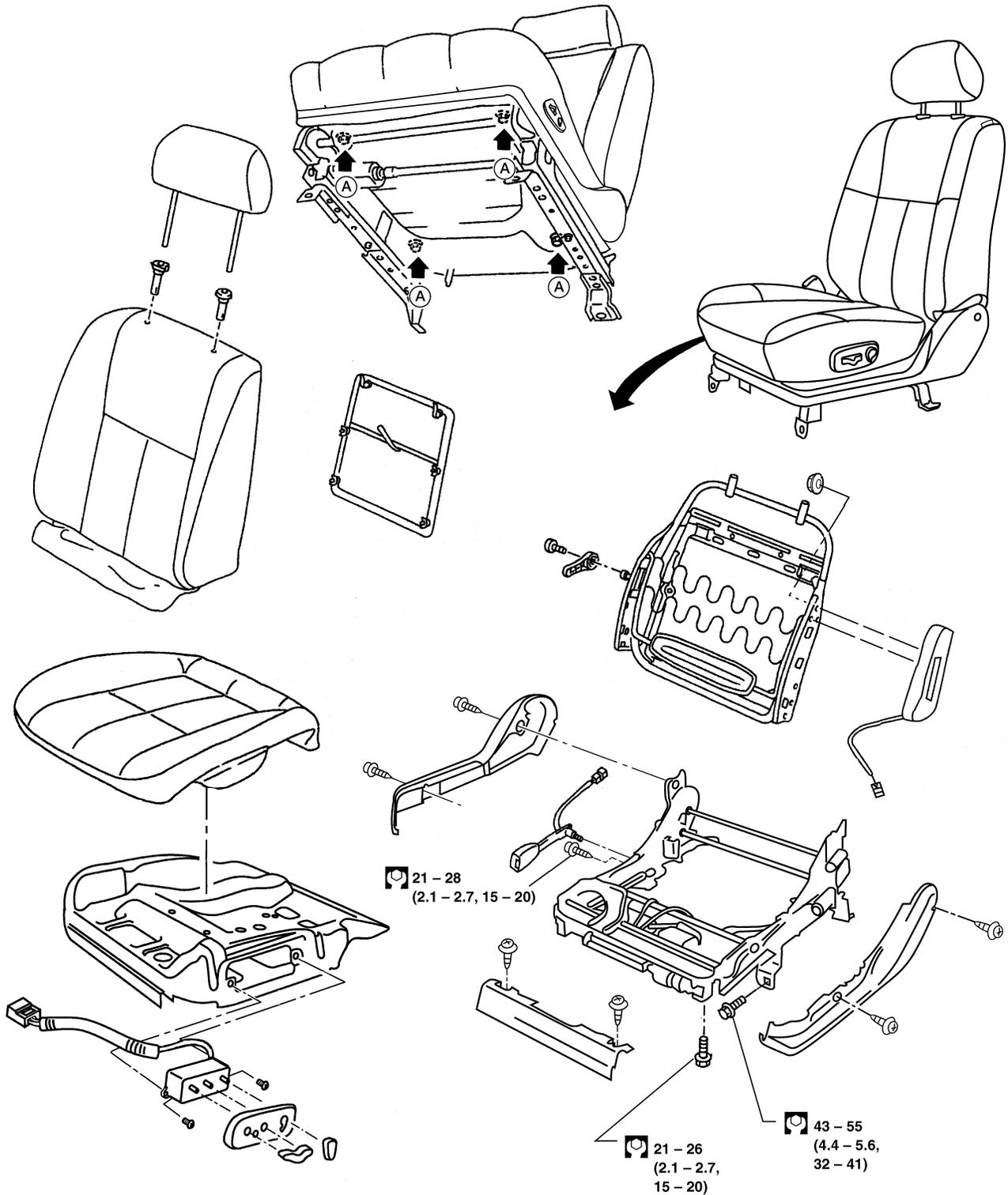
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# SEAT

## Front Seat

### Power Front Seat

SEC. 870



 : N·m (kg·m, ft·lb)

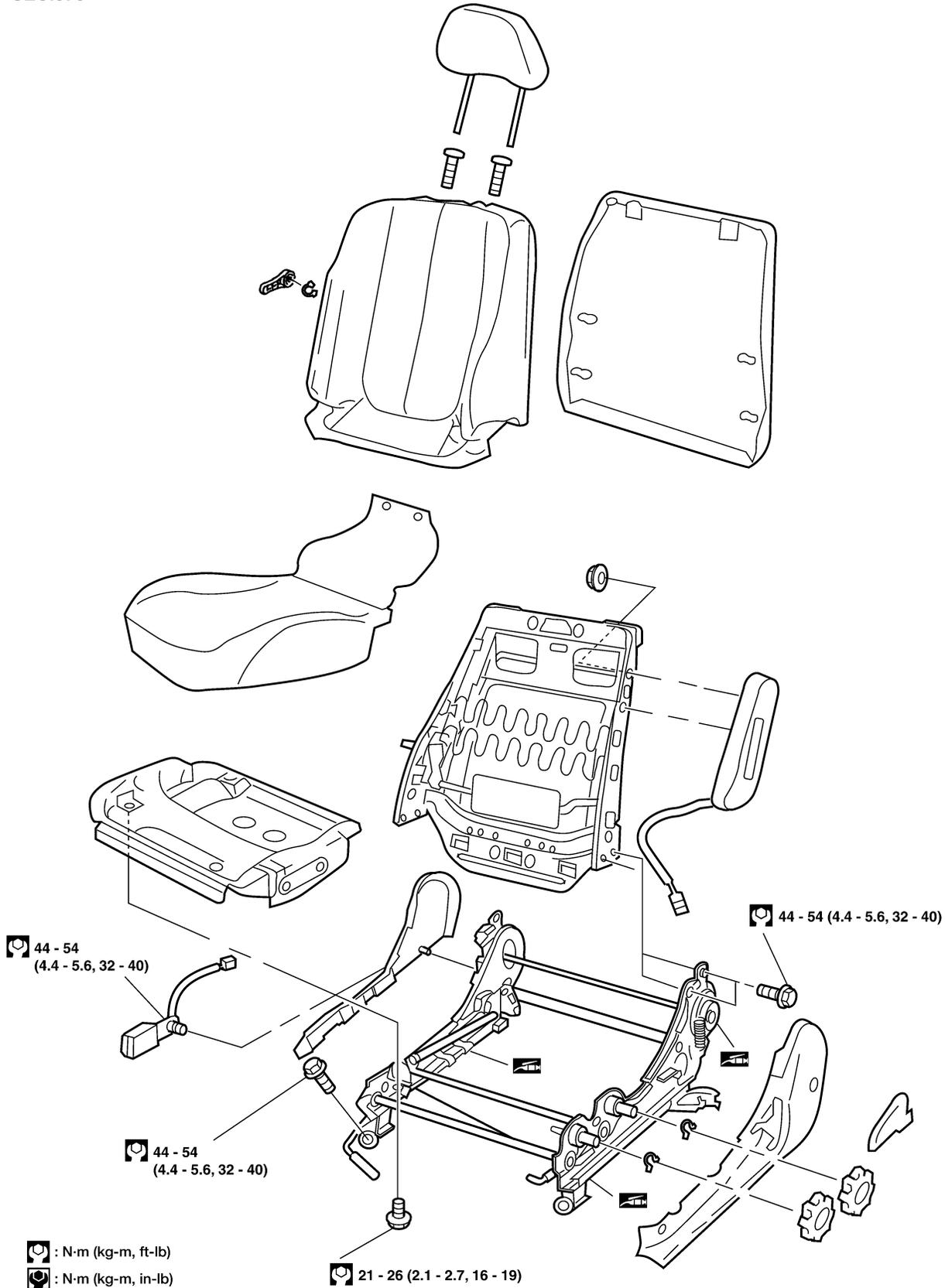
WBT195

# SEAT

## Front Seat (Cont'd)

### Manual Seat

SEC.870

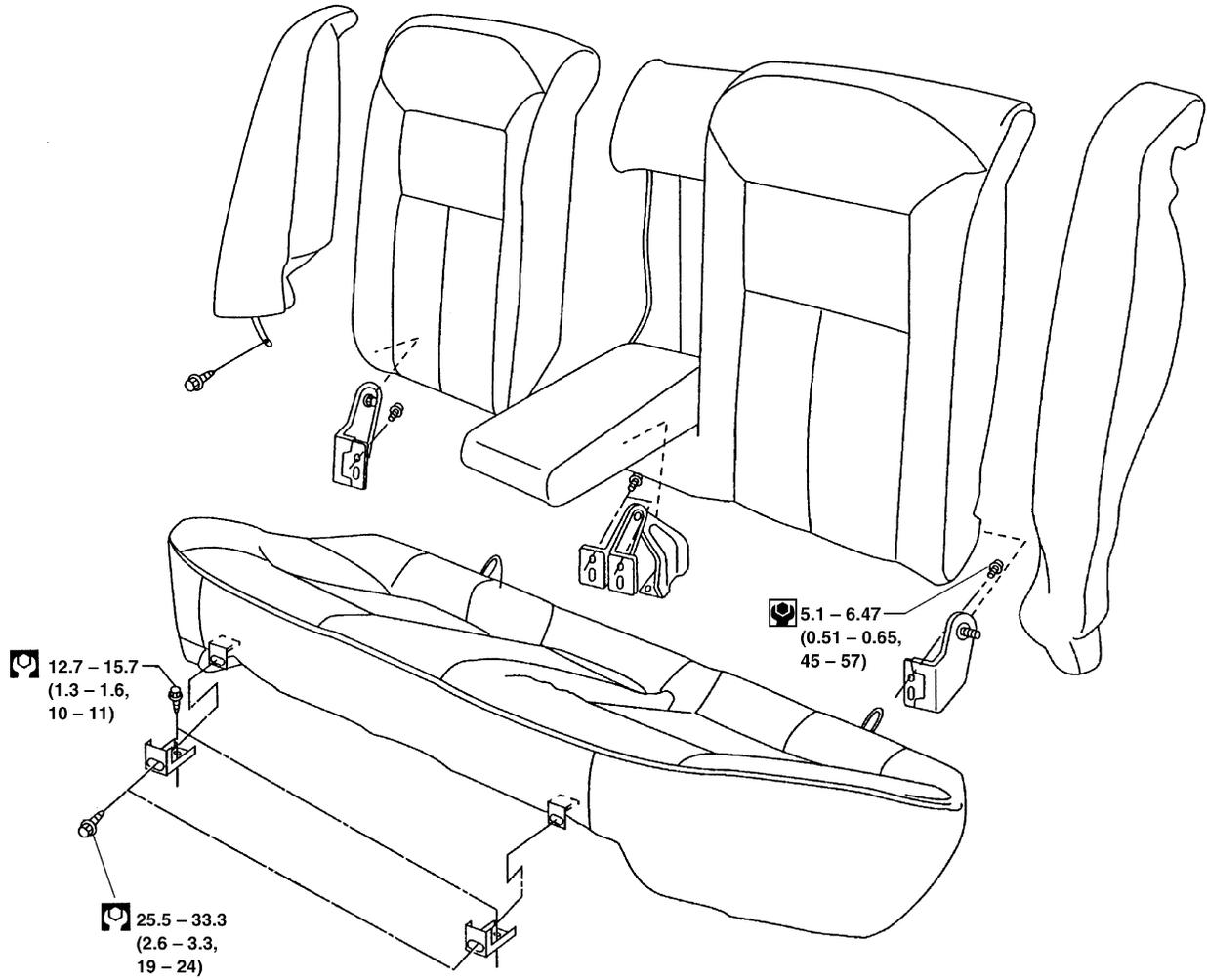


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# SEAT

## Rear Seat

SEC. 880



: N·m (kg-m, ft-lb)

: N·m (kg-m, in-lb)

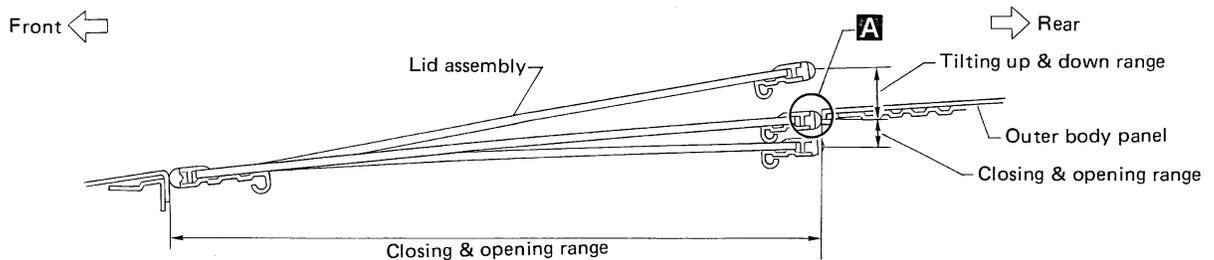
WBT003

# 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 sunroof switch.
4. Fit outer side of lid assembly to the surface of roof on body outer panel.
5. Remove motor, ground sunroof switch bracket and then press OPEN switch 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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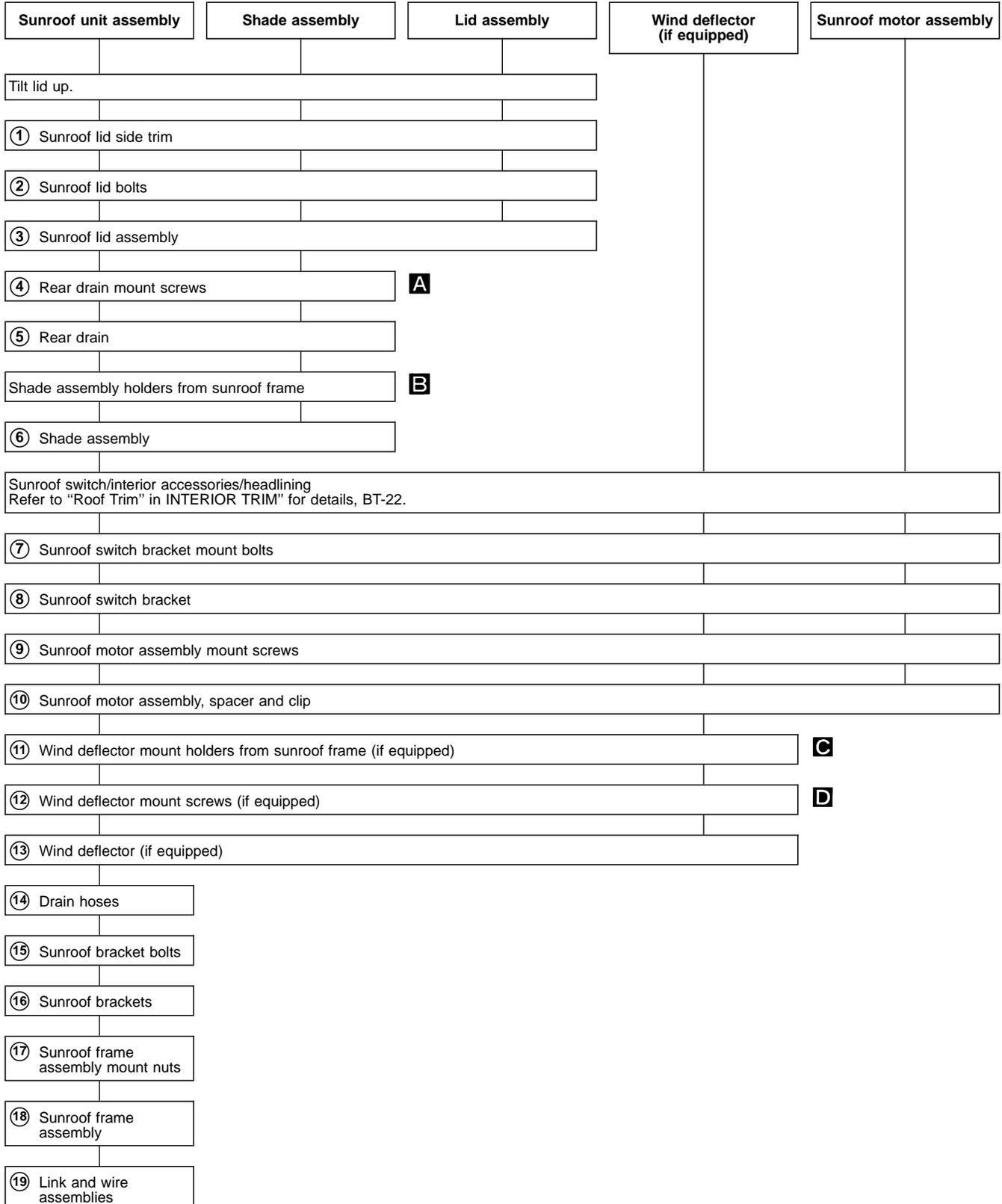
# SUNROOF

## Removal

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

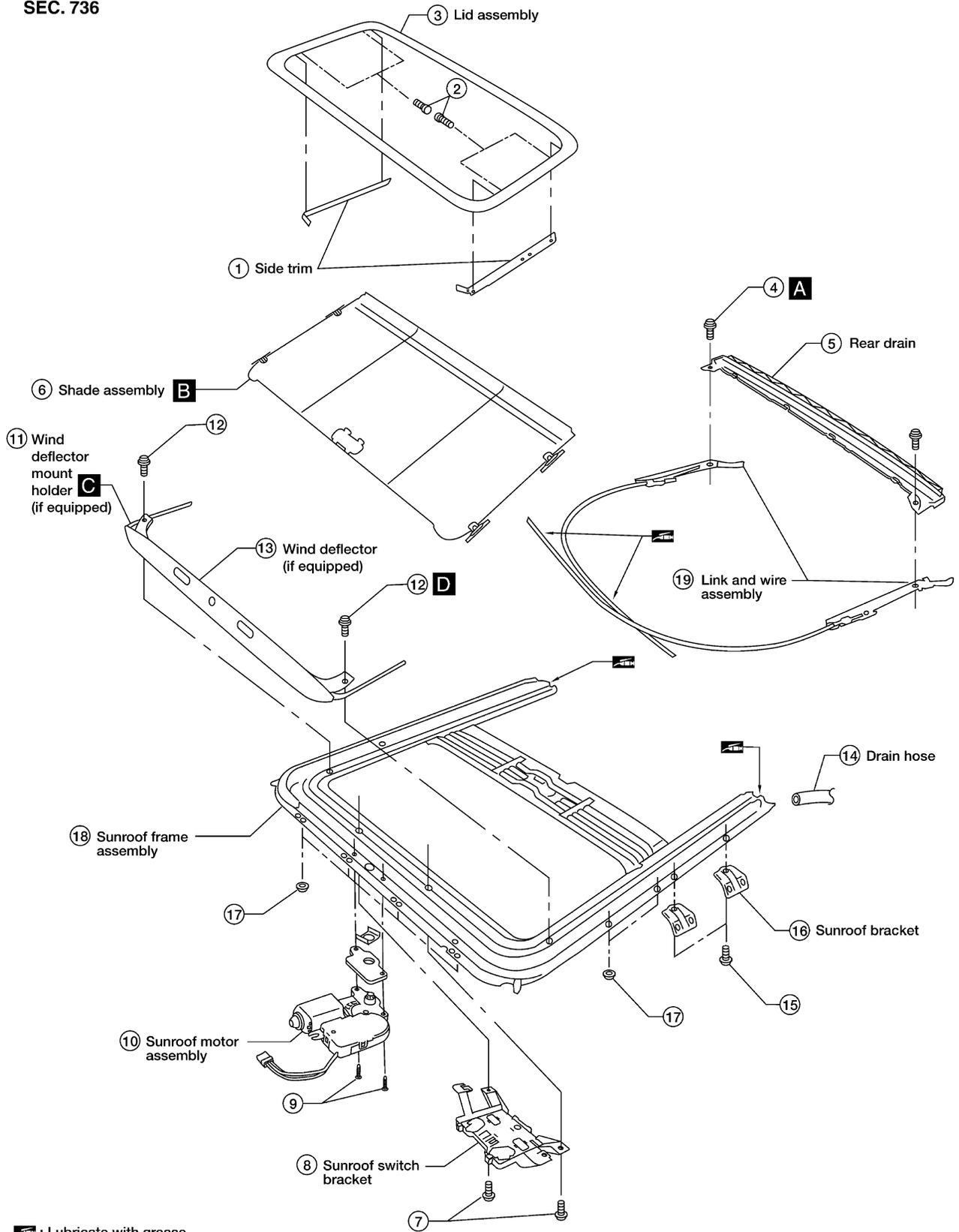
### CAUTION:

- **Always work with a helper.**



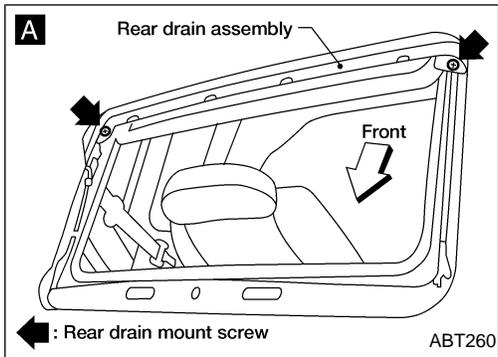
# SUNROOF

SEC. 736

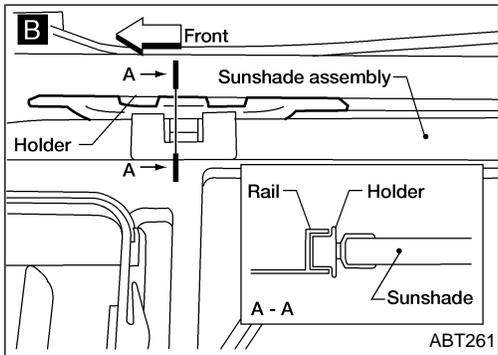


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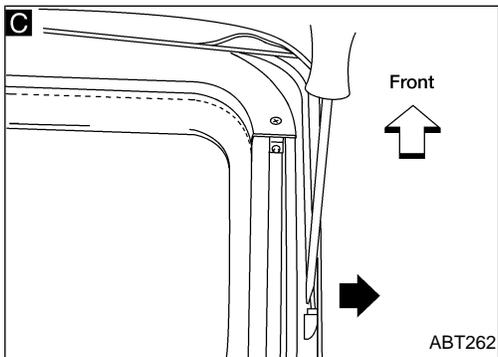
# SUNROOF



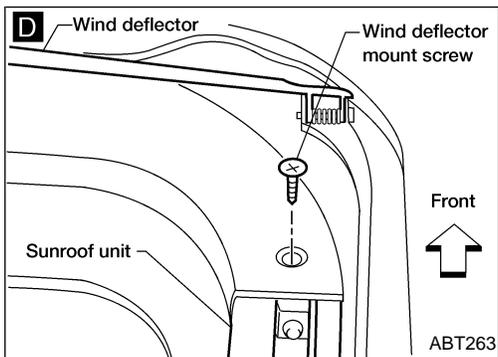
- A** Remove rear drain mount screws. Disengage rear drain assembly by moving it forward. Remove rear drain assembly.



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



- C** Using flat-bladed screwdriver, pry wind deflector mount holder from sunroof frame assembly.



- D** If equipped remove wind deflector mount screws from front end of sunroof unit. Remove wind deflector assembly from sunroof frame assembly.

# SUNROOF

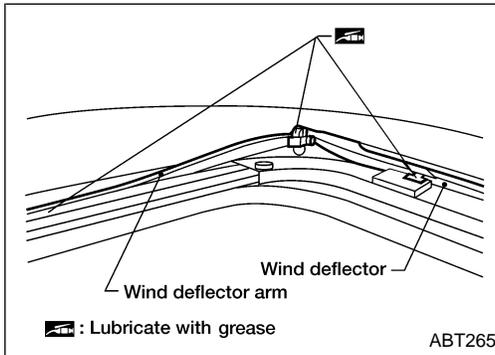
## Trouble Diagnoses

### DIAGNOSTIC TABLE

NOTE: For "Wiring Diagram", refer to EL section ("ELECTRIC SUNROOF").

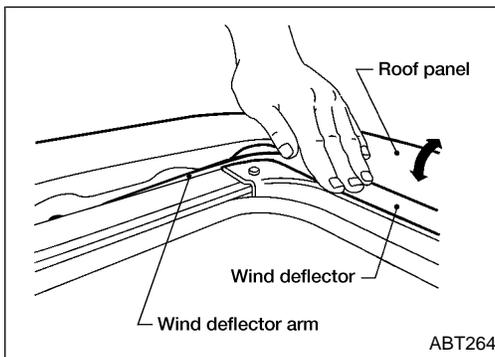
|         |                           | Check items (Components)     |            |             |              |                        |
|---------|---------------------------|------------------------------|------------|-------------|--------------|------------------------|
|         |                           | Wind deflector (if equipped) | Adjustment | Drain hoses | Weatherstrip | Link and wire assembly |
|         | Reference page            | BT-39                        | BT-40      | BT-41       | BT-41        | BT-42                  |
| 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 checking order.



#### WIND DEFLECTOR (If equipped)

1. Open lid.
2. Check visually for proper installation.
3. Check to ensure a proper amount of grease 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", BT-36. If wind deflector is damaged, replace with new one. If wind deflector is not damaged, re-install properly.

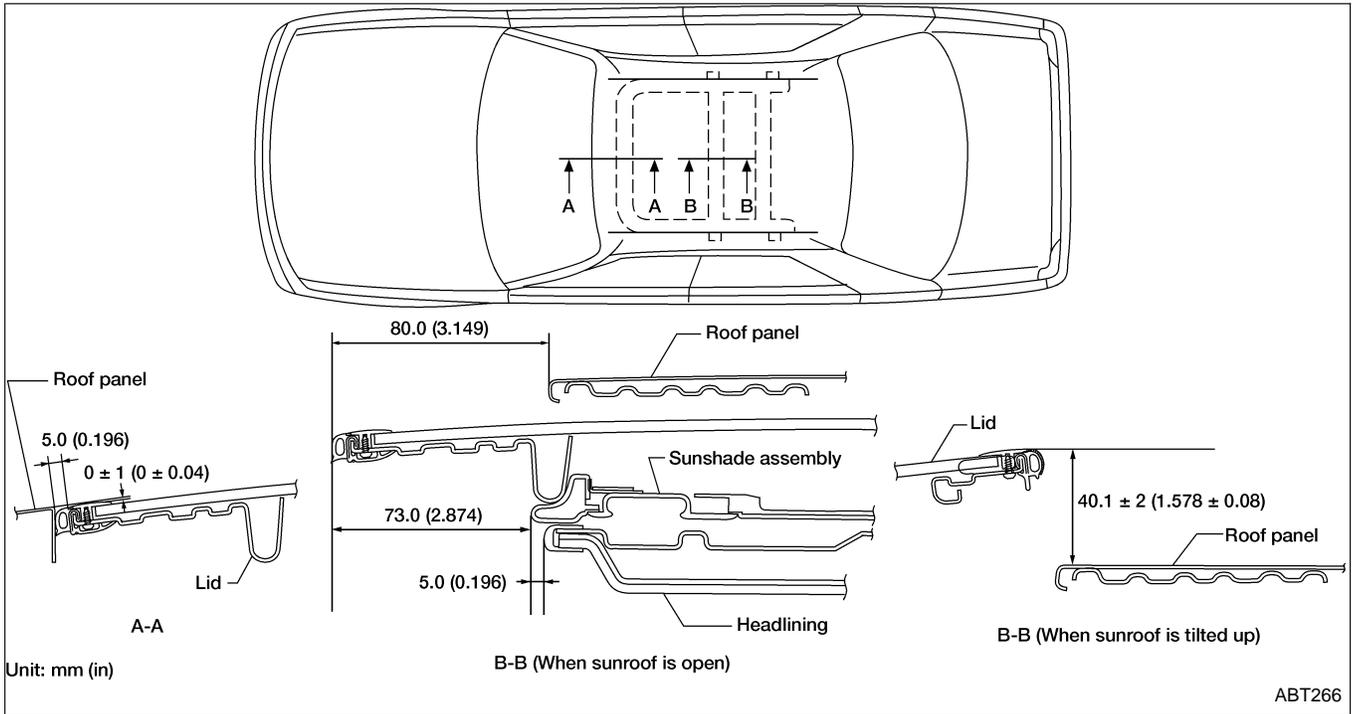


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# SUNROOF

## Trouble Diagnoses (Cont'd) ADJUSTMENT

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



### Gap adjustment

1. Remove shade assembly. (Refer to removal procedures BT-36, for details.)
2. Tilt lid up.
3. Loosen lid securing bolts (2 each on left and right sides), then tilt lid down.
4. Adjust lid so it resembles "A-A" as shown in the figure above.
5. Tilt lid up and down until it is adjusted to "B-B" as shown in the figure above.
6. After adjusting lid, tilt lid up and tighten bolts.
7. Tilt lid up and down several times to check that it moves smoothly.

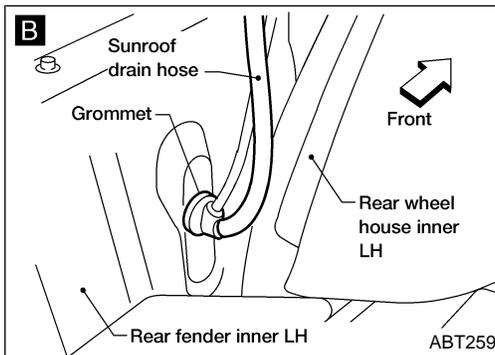
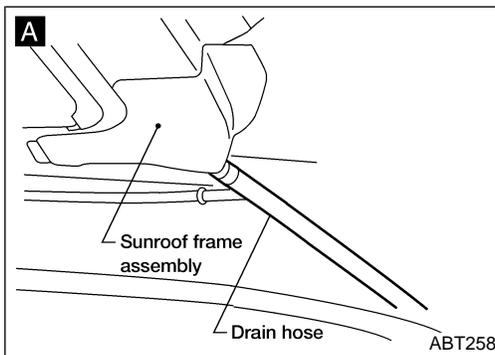
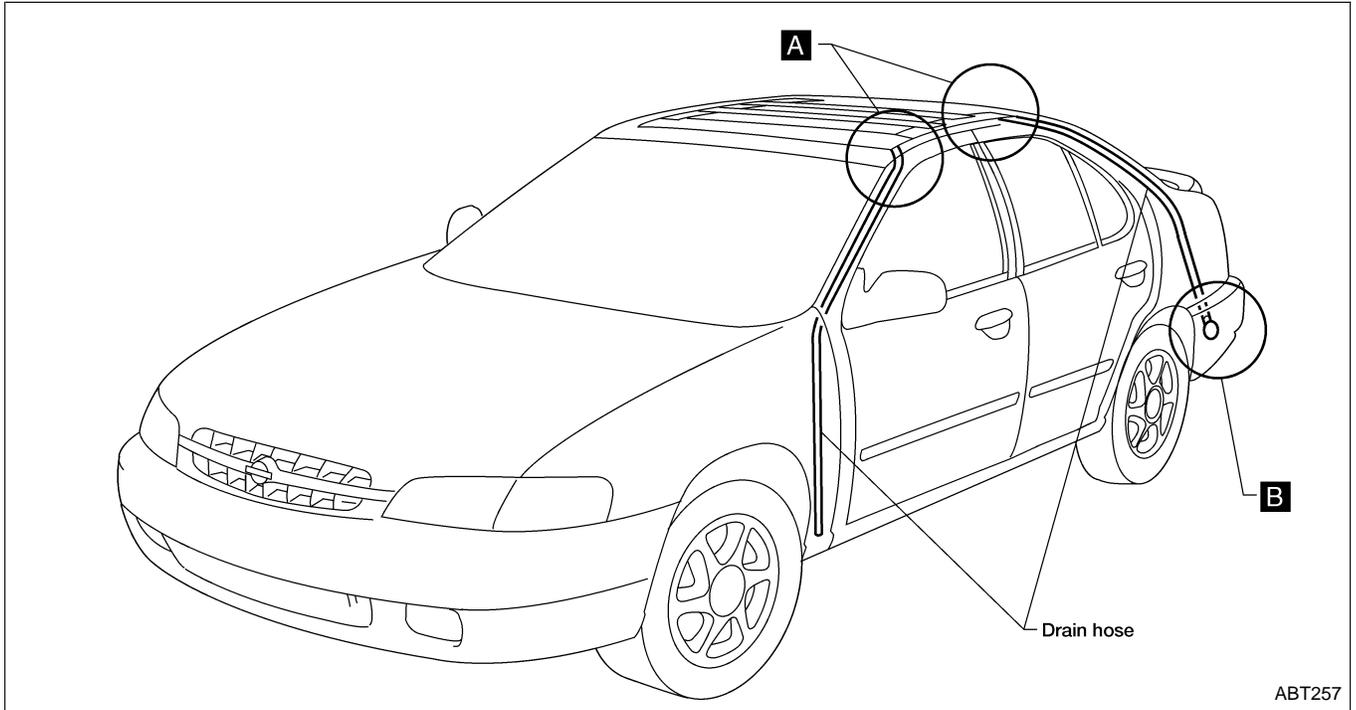
### Height difference adjustment

1. Tilt lid up and down.
2. Check height difference between roof panel and lid to see if it is as "A-A" as shown in the figure above. Adjust if necessary.

# SUNROOF

## Trouble Diagnoses (Cont'd)

### DRAIN HOSES



1. Remove headlining to access drain hose connections. Refer to "REMOVAL — Headlining" in "INTERIOR TRIM", BT-22, for details.
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. **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

- In case of leakage around lid, close lid and pour water over lid to find damaged or gap portion.
- If gap is between weatherstrip and roof panel, perform gap adjustment. Refer to "ADJUSTMENT", BT-40.
- If gap is between weatherstrip and lid, or if weatherstrip is flattened, damaged or deteriorated, replace lid assembly. (Weatherstrip is not serviceable.)

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## SUNROOF

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### **Trouble Diagnoses (Cont'd)**

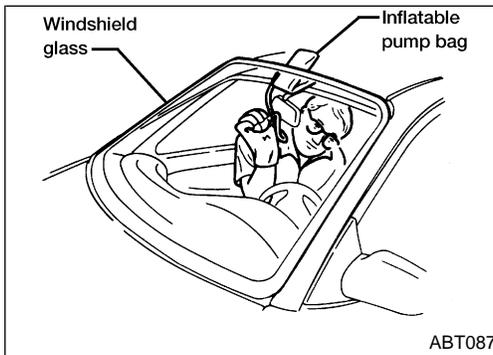
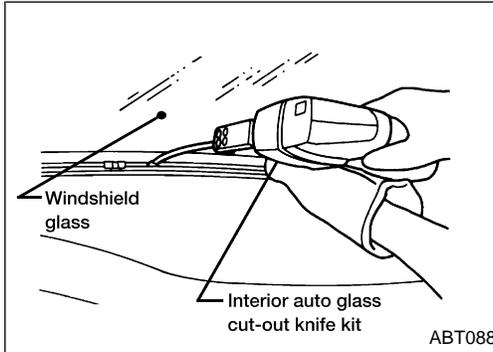
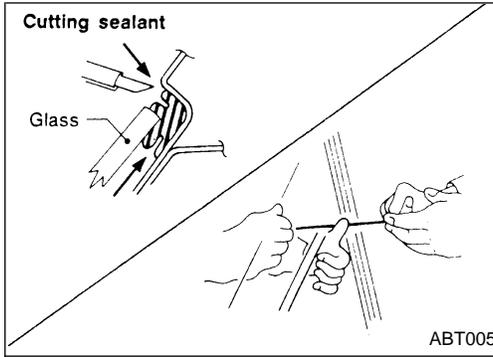
#### **LINK AND WIRE ASSEMBLY**

**NOTE:**

**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 damaged, replace wire. Refer to "Removal", BT-36.

# WINDSHIELD AND WINDOWS



## REMOVAL

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

- Use 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 adhesive is 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.

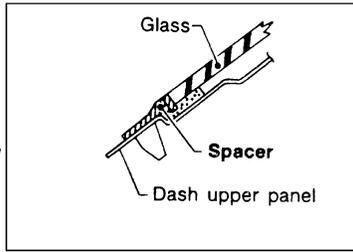
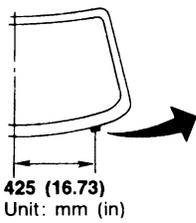
### CAUTION:

- 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 adhesive in a cool, dry place. Ideally, adhesive should be stored in a refrigerator.
- Do not leave adhesive cartridge unattended with the cap 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

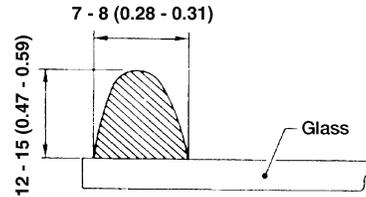
## Windshield and Rear Window

Install spacer to panel.  
Windshield

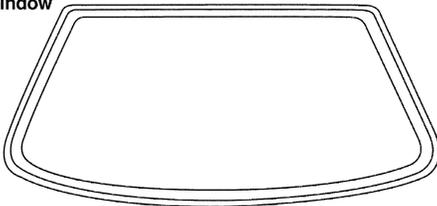


Glass side

Apply urethane adhesive evenly.  
Windshield and rear window



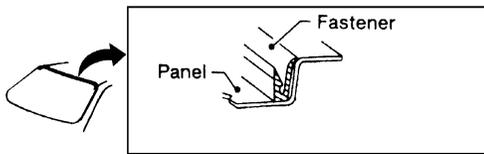
Install moulding to glass.  
Rear window



Unit: mm (in)

Install molding fastener for windshield.  
When installing it, heat body panel and fastener to approx. 30 to 40°C (86 to 104°F).

Upper & side molding fasteners



WBT191

## REPAIRING WATER LEAKS FOR WINDSHIELD

Leaks can be repaired without removing and reinstalling glass.

**If water is leaking between urethane adhesive and body or glass, determine the extent of leakage. This can be done by applying water while pushing glass outward.**

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

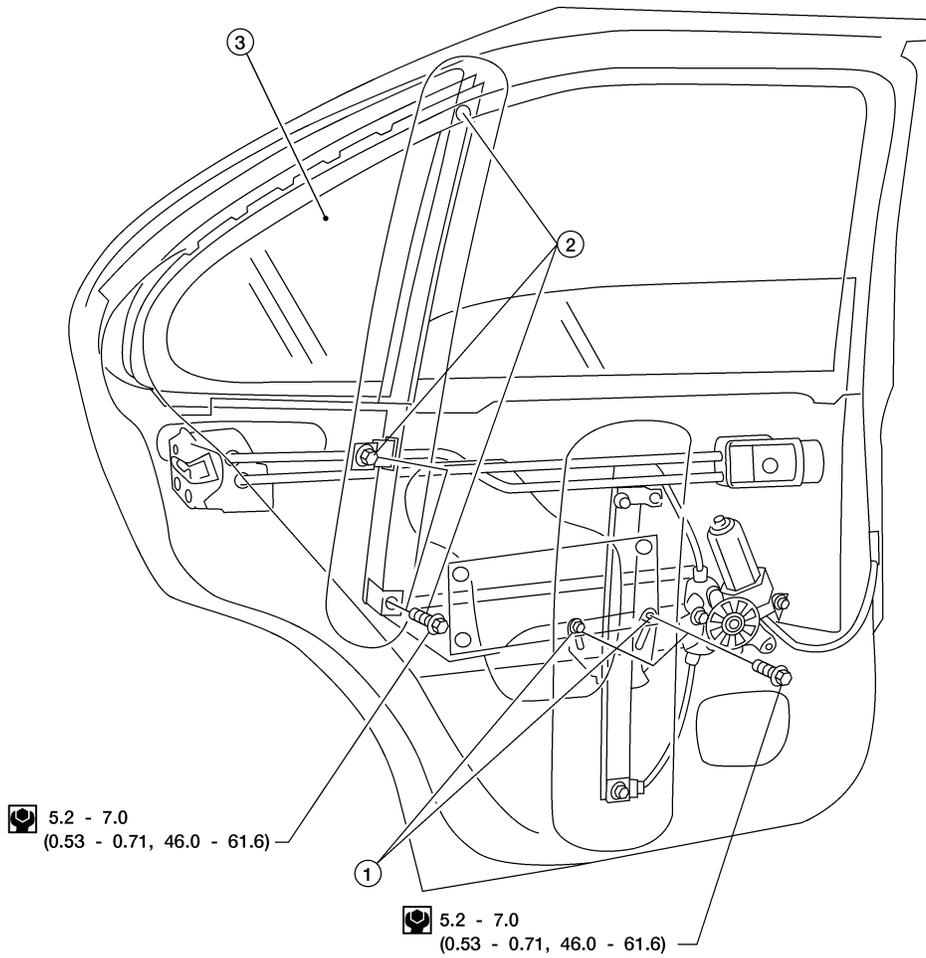
# WINDSHIELD AND WINDOWS

## Quarter Window

### REMOVAL

- Remove the rear door trim. Refer to "Door Trim", BT-20.
- Roll the rear window down.
- ① Remove two screws securing rear glass, then remove rear glass.
- ② Remove three screws securing rear door center sash, then remove rear door center sash.
- ③ Remove the plastic support and quarter glass.

SEC. 820•823•825



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# MIRROR

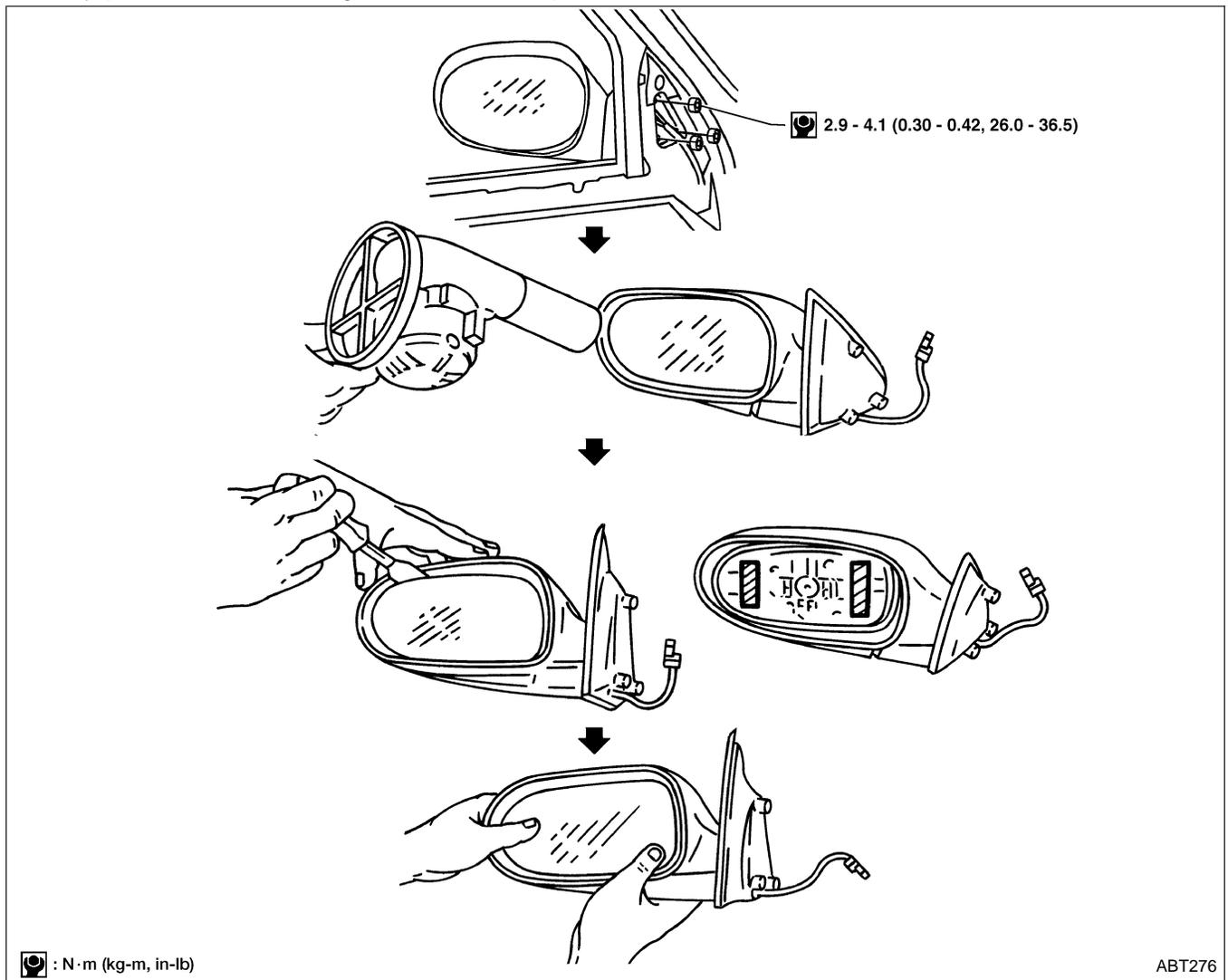
## Door Mirror

### REMOVAL

- ★ For Wiring Diagram, refer to EL section ("POWER DOOR MIRROR").
- Mirror glass must be removed to access internal mirror components (i.e. motor).
- ① Remove sash inner cover.
- ② Remove nuts securing door mirror, disconnect door mirror harness, then remove door mirror assembly.
- ③ Use a heat lamp (at least 500 watts) to warm the frame edge of the door mirror glass to approximately 70°C (159°F) for three minutes.
- ④ Insert a stiff blade scraper between the mirror glass and frame. Pry the glass loose and remove any remaining adhesive (butyl tape) from the mounting surface.

### INSTALLATION

- ① Install butyl/adhesive tape (2 pieces) on the frame
- ② Warm the mirror glass frame edge thoroughly with a heat lamp. Position mirror glass on frame, carefully press on the mirror glass to seat it in place.



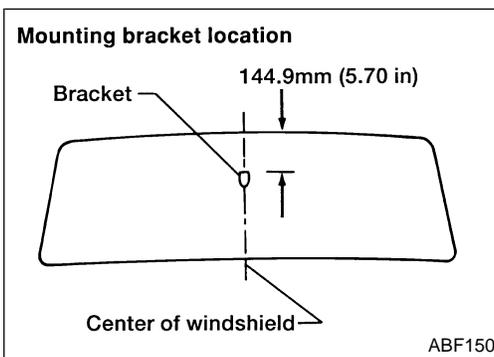
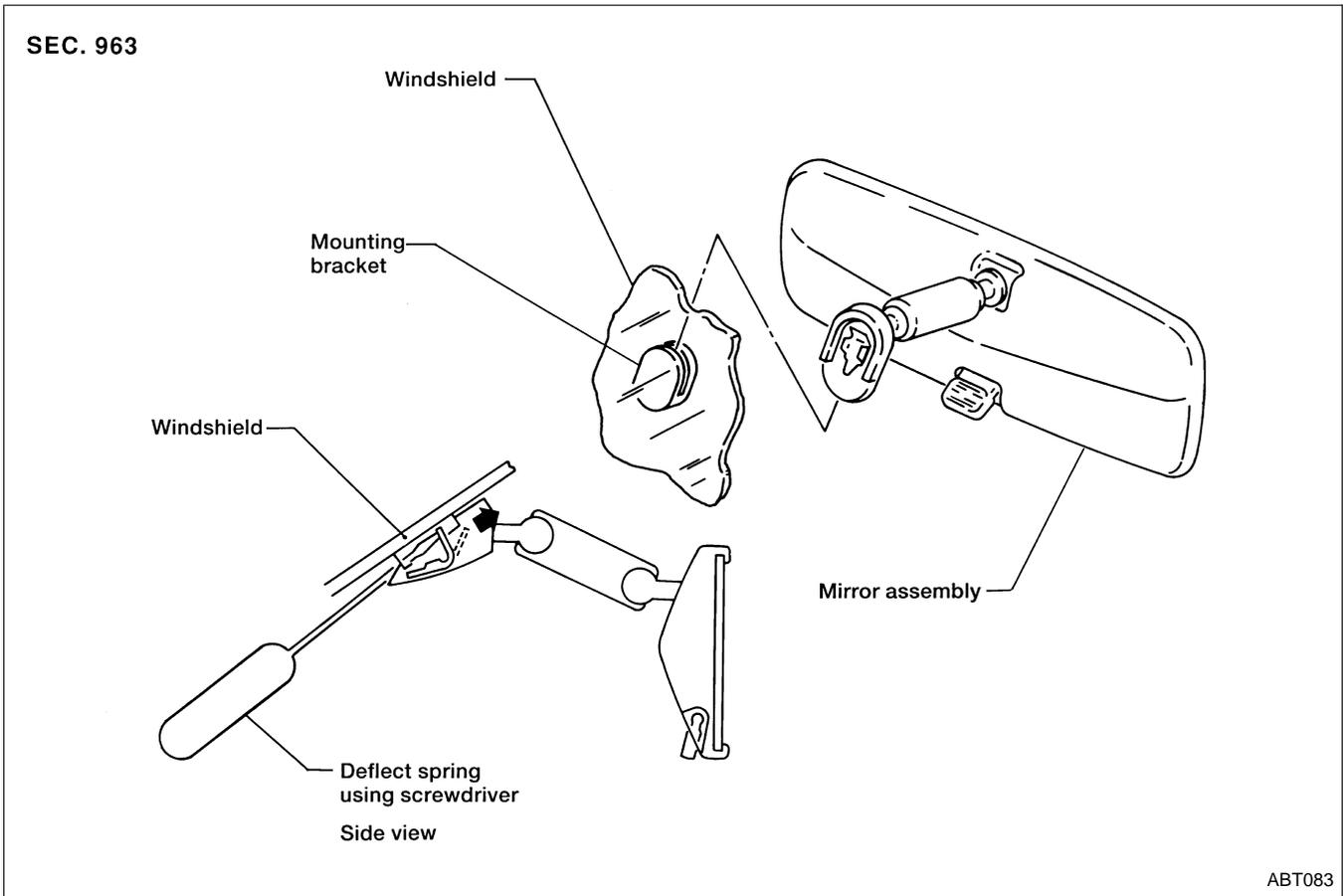
# MIRROR

## Rearview Mirror

### REMOVAL

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

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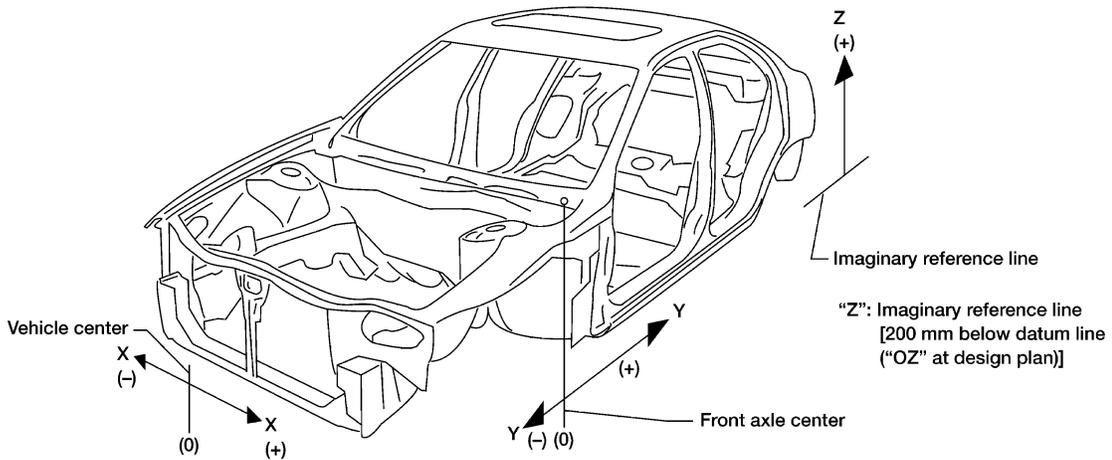
### INSTALLATION

1. Install mounting bracket as follows:
  - a. Determine mounting bracket position on windshield by measuring from top of windshield to top of mounting bracket as shown in the figure.
  - b. Mark location on outside of windshield with wax pencil or equivalent.
  - c. Clean attaching point on inside of windshield with an alcohol-saturated paper towel.
  - d. Sand bonding surface of mounting bracket with sandpaper (No. 320 or No. 360).
  - e. Clean bonding surface of mounting bracket with an alcohol-saturated paper towel.
  - f. Apply Loctite Adhesive 11067-2 or equivalent to bonding surface of mounting bracket.
  - g. Install mounting bracket at premarked position and press mounting bracket against glass for 30 to 60 seconds.
  - h. After five minutes, wipe off excess adhesive with an alcohol-moistened paper towel.
2. Install rearview mirror.

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# BODY ALIGNMENT

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

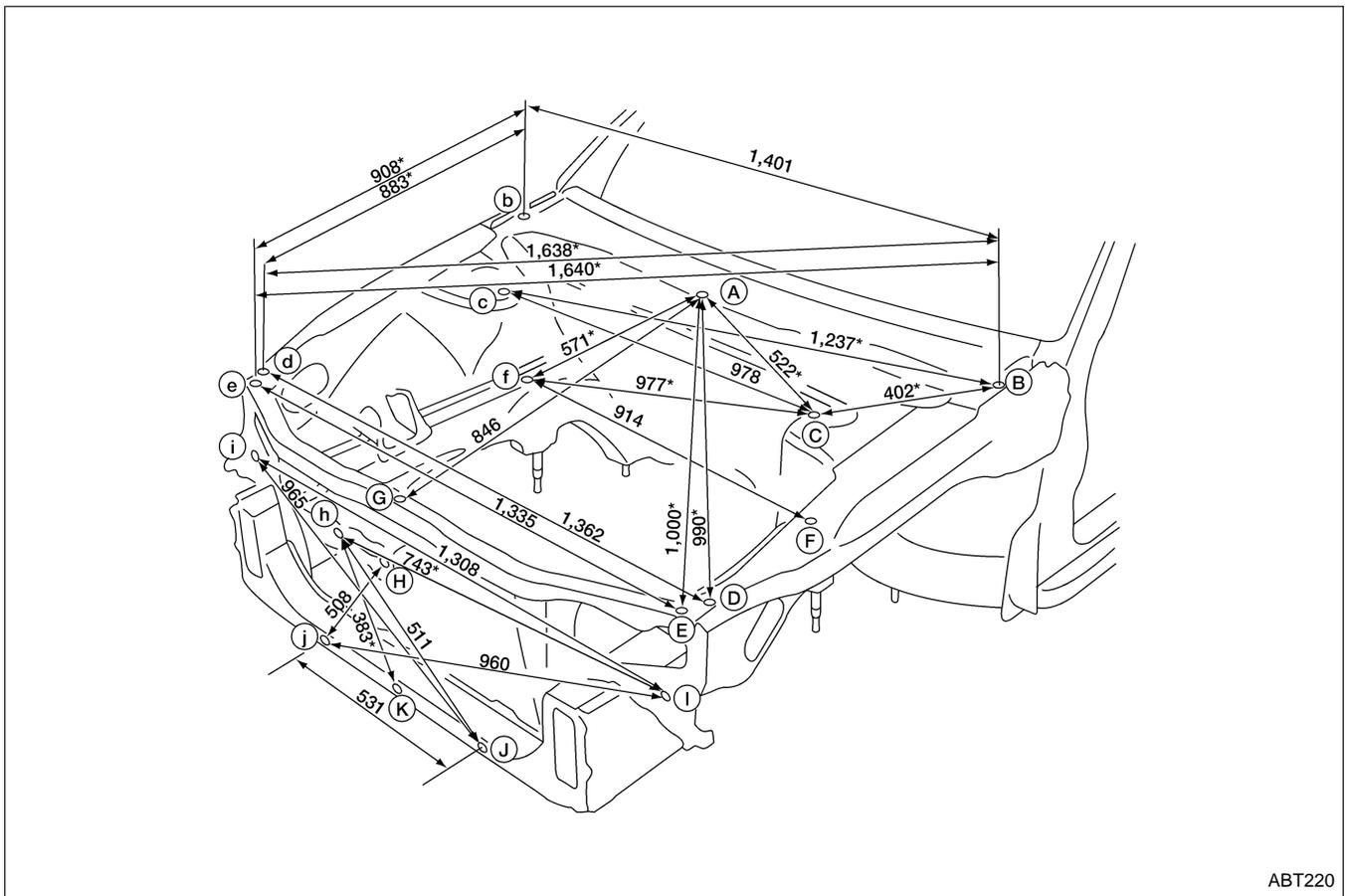


WBT121

## Engine Compartment

### MEASUREMENT

Unit: mm



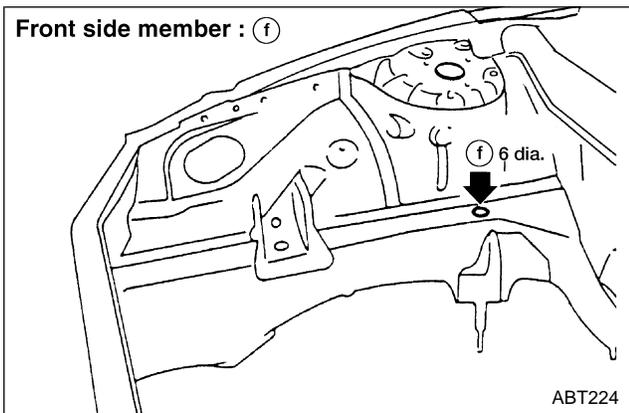
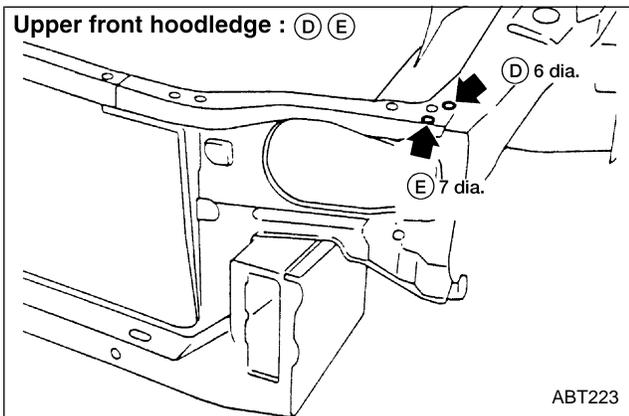
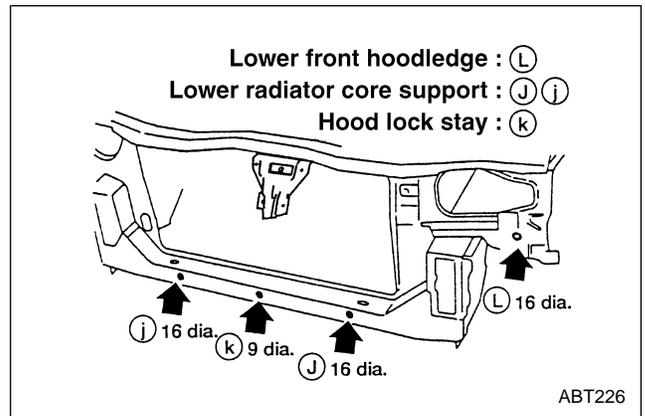
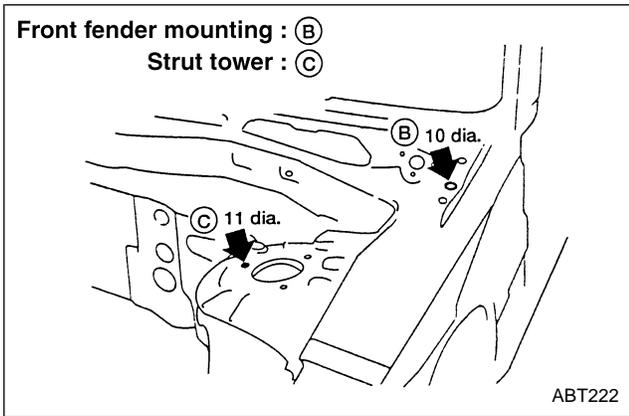
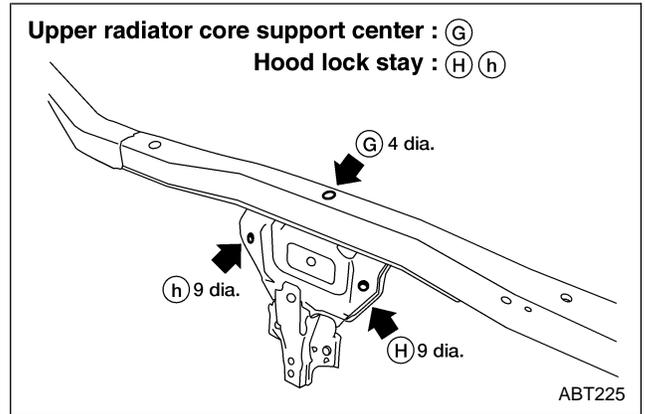
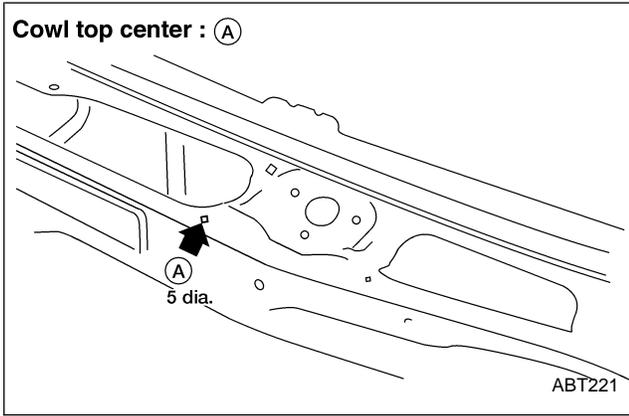
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# BODY ALIGNMENT

## Engine Compartment (Cont'd)

### MEASUREMENT POINTS

Unit: mm

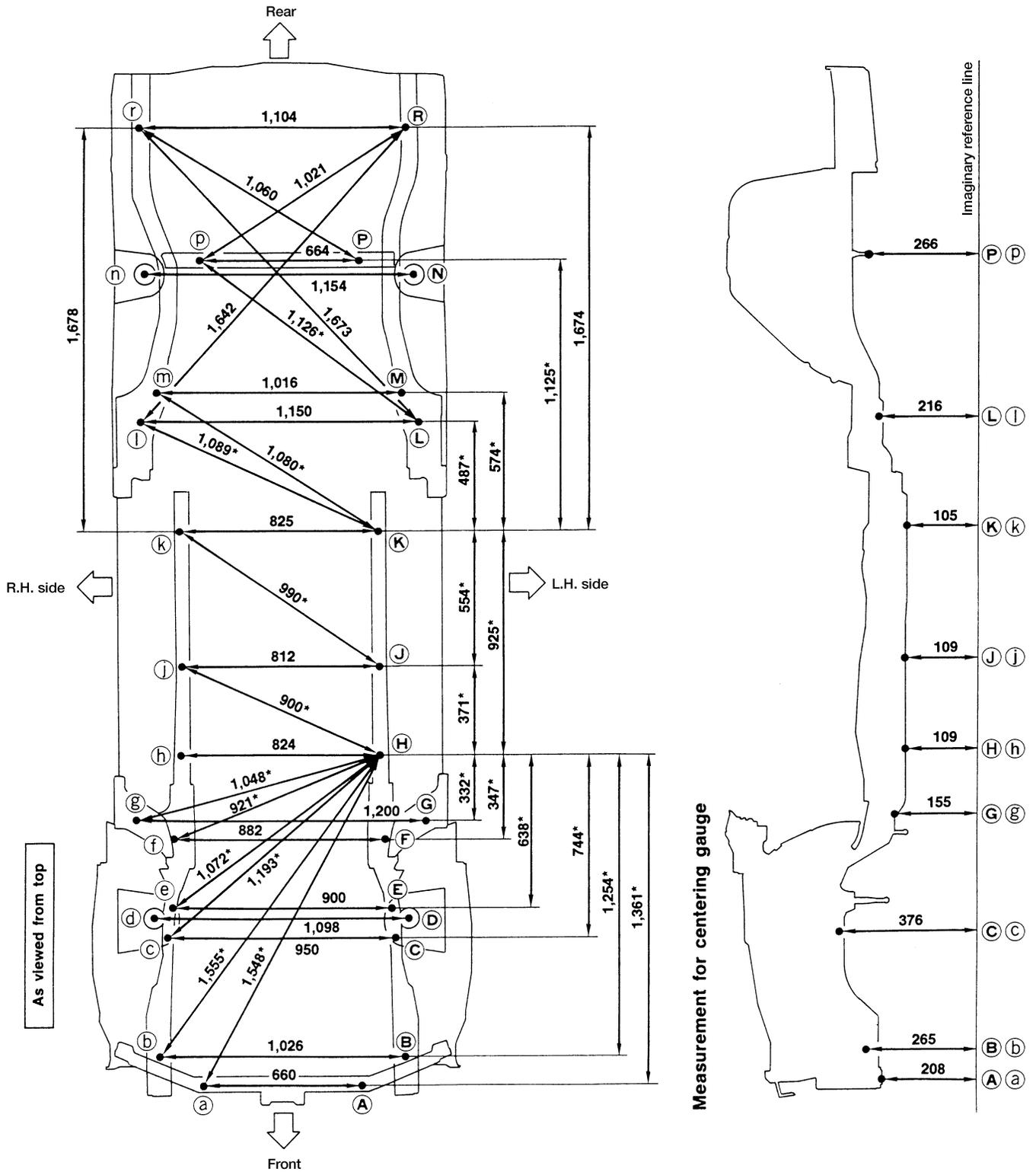


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# BODY ALIGNMENT

## Underbody

### MEASUREMENT



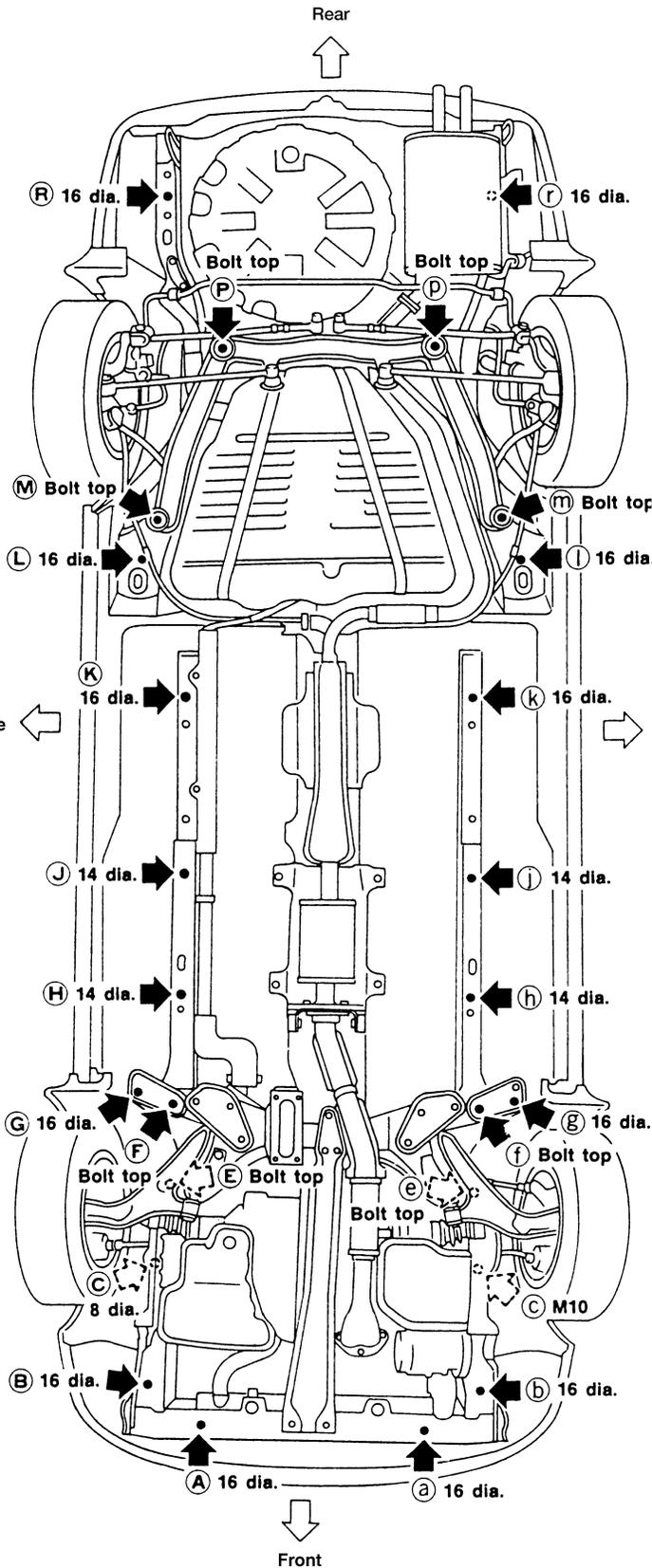
# BODY ALIGNMENT

## Underbody (Cont'd)

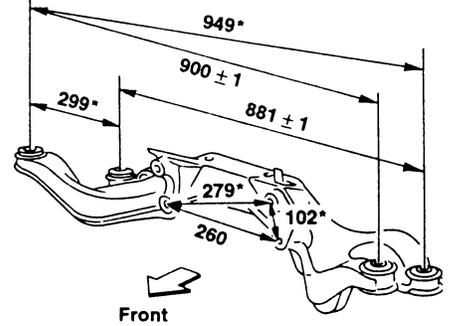
### MEASUREMENT POINTS

Coordinates:

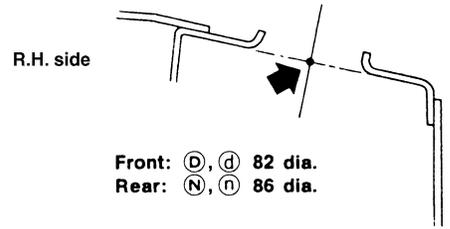
- (A, a)  
X: 330  
Y: -655  
Z: 208
- (B, b)  
X: 513  
Y: -540  
Z: 265
- (C, c)  
X: 475  
Y: -52  
Z: 376
- (D, d)  
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Y: 27  
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X: 450  
Y: 68  
Z: 189
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X: 441  
Y: 354  
Z: 112
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Y: 430  
Z: 155
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Y: 700  
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- (J, j)  
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Y: 1,071  
Z: 109
- (K, k)  
X: 413  
Y: 1,625  
Z: 105
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Y: 2,070  
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Y: 2,190  
Z: 133
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X: 577  
Y: 2,674  
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- (R, r)  
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- (A, a)  
X: 575  
Y: 3,280  
Z: 327



Suspension link mounting hole  
Front suspension member



Front and rear strut tower centers



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## NOTES