

SECTION BT

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PRECAUTIONS

Service Notice

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

The Supplemental Restraint System “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 in a frontal collision. The Supplemental Restraint System consists of air bag modules (located in the center of the steering wheel and on the instrument panel on the passenger side), seat belt pre-tensioners, a diagnosis sensor unit, warning lamp, wiring harness and spiral cable. Information necessary to service the system safely is included in the **RS section** of the Service Manual.

If the vehicle is equipped with side air bag as the Supplemental Restraint System, the 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 side air bag consists of air bag modules (located in the outer side of front seats), satellite sensor, diagnosis sensor unit (which is one of components of air bags for a frontal collision), wiring harness, warning lamp (which is one of components of air bags for a frontal collision).


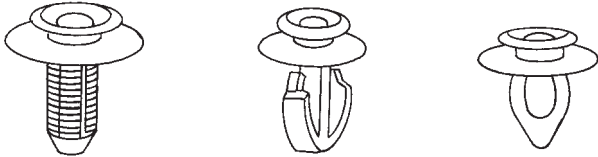


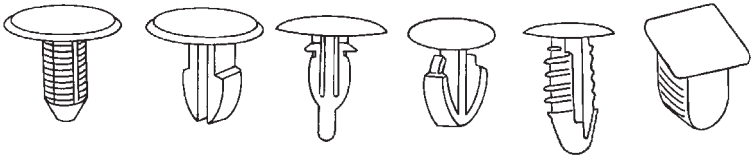
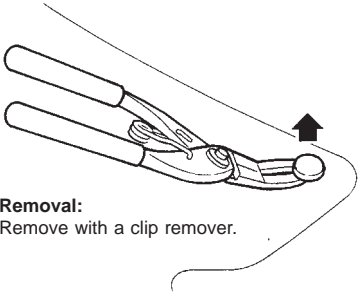

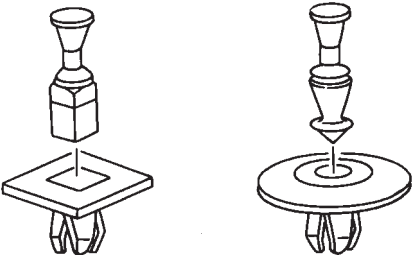
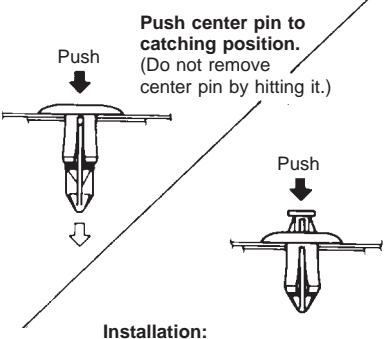

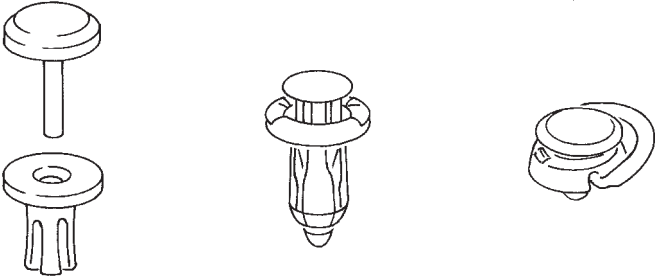
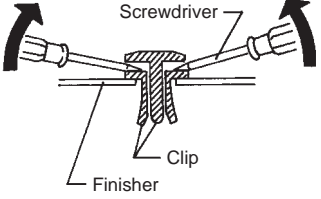
WARNING:

- **To avoid rendering the SRS inoperative (which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation) all maintenance must be performed by an authorized NISSAN dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to do so in this Service Manual. SRS wiring harnesses are covered with yellow insulation (either just before the harness connectors or for the complete harness) for easy identification.**

GENERAL SERVICING


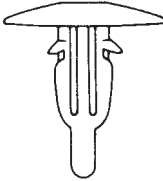
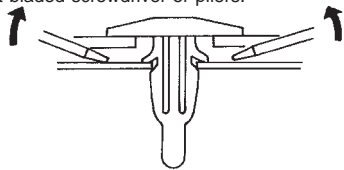

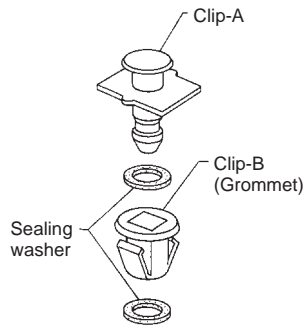
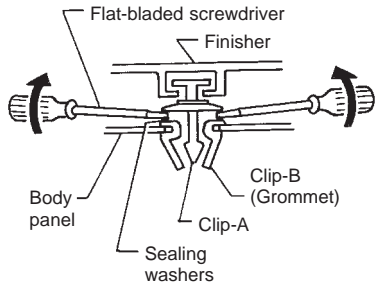

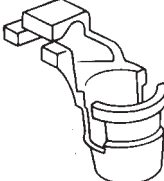
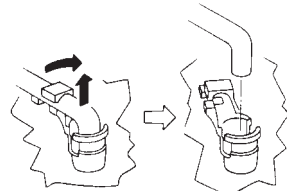

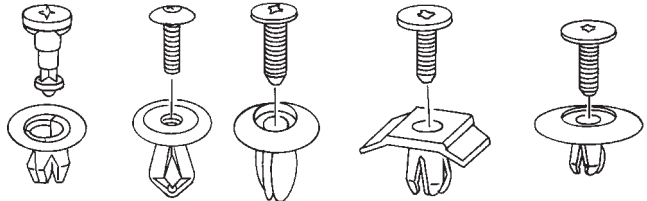
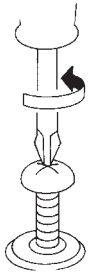
Clip and Fastener

- 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>Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.</p>  <p style="text-align: right;">SBF367BA</p>
	 <p style="text-align: right;">SBT095</p>	 <p>Removal: Remove with a clip remover.</p> <p style="text-align: right;">SBF423H</p>
	 <p style="text-align: right;">SBF258G</p>	<p>Installation:</p>  <p>Push center pin to catching position. (Do not remove center pin by hitting it.)</p> <p style="text-align: right;">SBF708E</p>
	 <p style="text-align: right;">MBT080A</p>	<p>Removal:</p>  <p style="text-align: right;">SBF638C</p>

GENERAL SERVICING

Clip and Fastener (Cont'd)

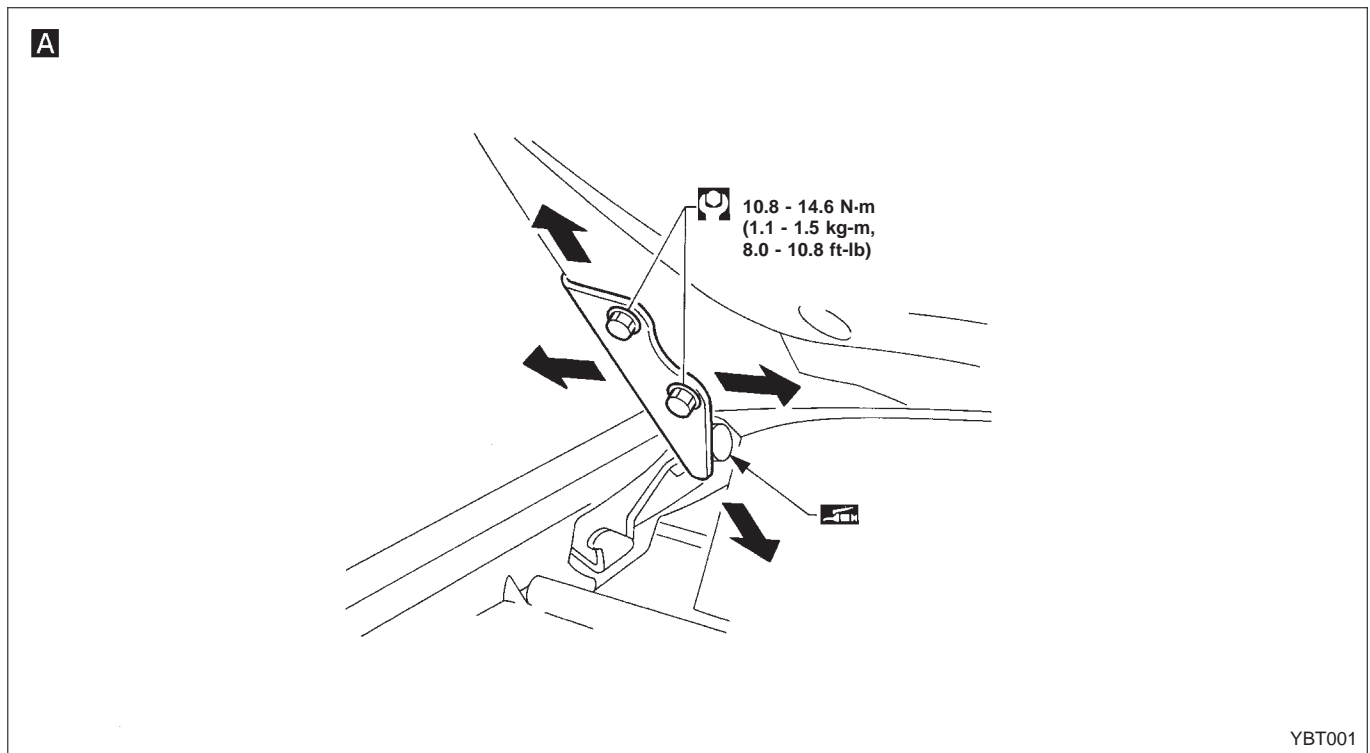
Symbol No.	Shapes	Removal & Installation
		<p>Removal: Remove by bending up with a flat-bladed screwdriver or pliers.</p>  <p style="text-align: right;">SBF175DA</p>
		<p>Removal:</p>  <p style="text-align: right;">SBF259G</p>
		<p>Removal: Holder portion of clip must be spread out to remove rod</p>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

Body Front End

- 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.
- Bumper fascia is made of plastic. Do not use excessive force and be sure to keep oil away from it.
- Hood adjustment: Adjust at hinge portion.
- Hood lock adjustment: After adjusting, check hood lock control operation. Apply a coat of grease to hood locks engaging mechanism.
- Hood opener: Do not attempt to bend cable forcibly. Doing so increases effort required to unlock hood.

REMOVAL — Front bumper assembly

- ① Remove clips (C205) securing bumper fascia to engine undercover.
- ② Remove screws and clips (C205) securing left and right sides of front fender protector.
- ③ Remove screws securing radiator core support to bumper fascia.
- ④ Remove screws securing left and right front fenders to bumper fascia.
- ⑤ Remove clips (CS101) securing retainer to bumper fascia.
- ⑥ Extract bumper fascia assembly.
- ⑦ Remove screws securing fog lamps. Then remove fog lamps.



BODY END

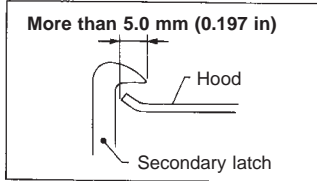
Body Front End (Cont'd)

SEC. 261-620-623-650-656

Hood lock adjustment

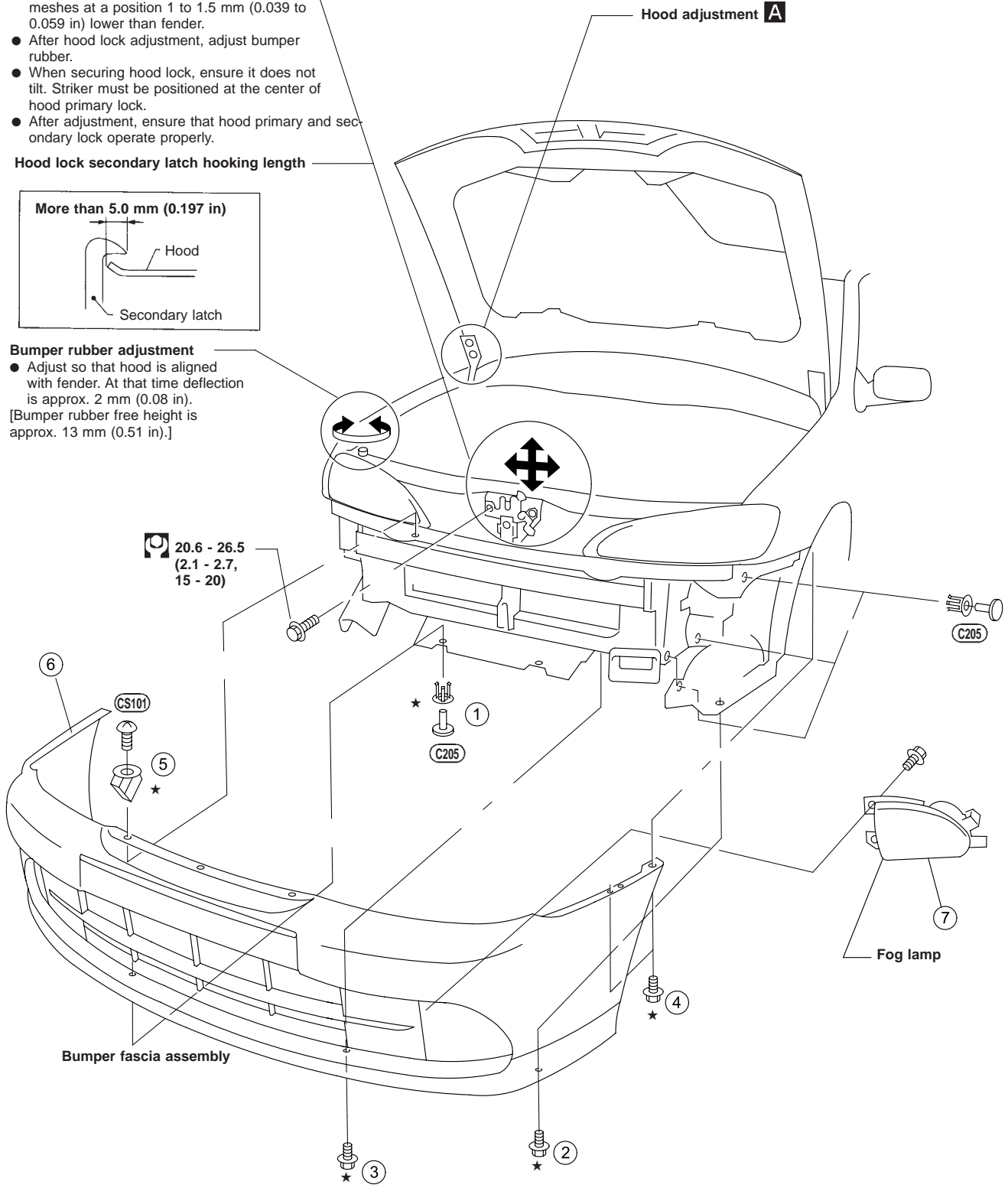
- Adjust hood so that hood primary lock meshes at a position 1 to 1.5 mm (0.039 to 0.059 in) lower than fender.
- After hood lock adjustment, adjust bumper rubber.
- When securing hood lock, ensure it does not tilt. Striker must be positioned at the center of hood primary lock.
- After adjustment, ensure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

Hood lock secondary latch hooking length



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).]



★ : Bumper assembly mounting bolts, screw & clips

🔧 : N·m (kg·m, ft·lb)

NBT033

BODY END

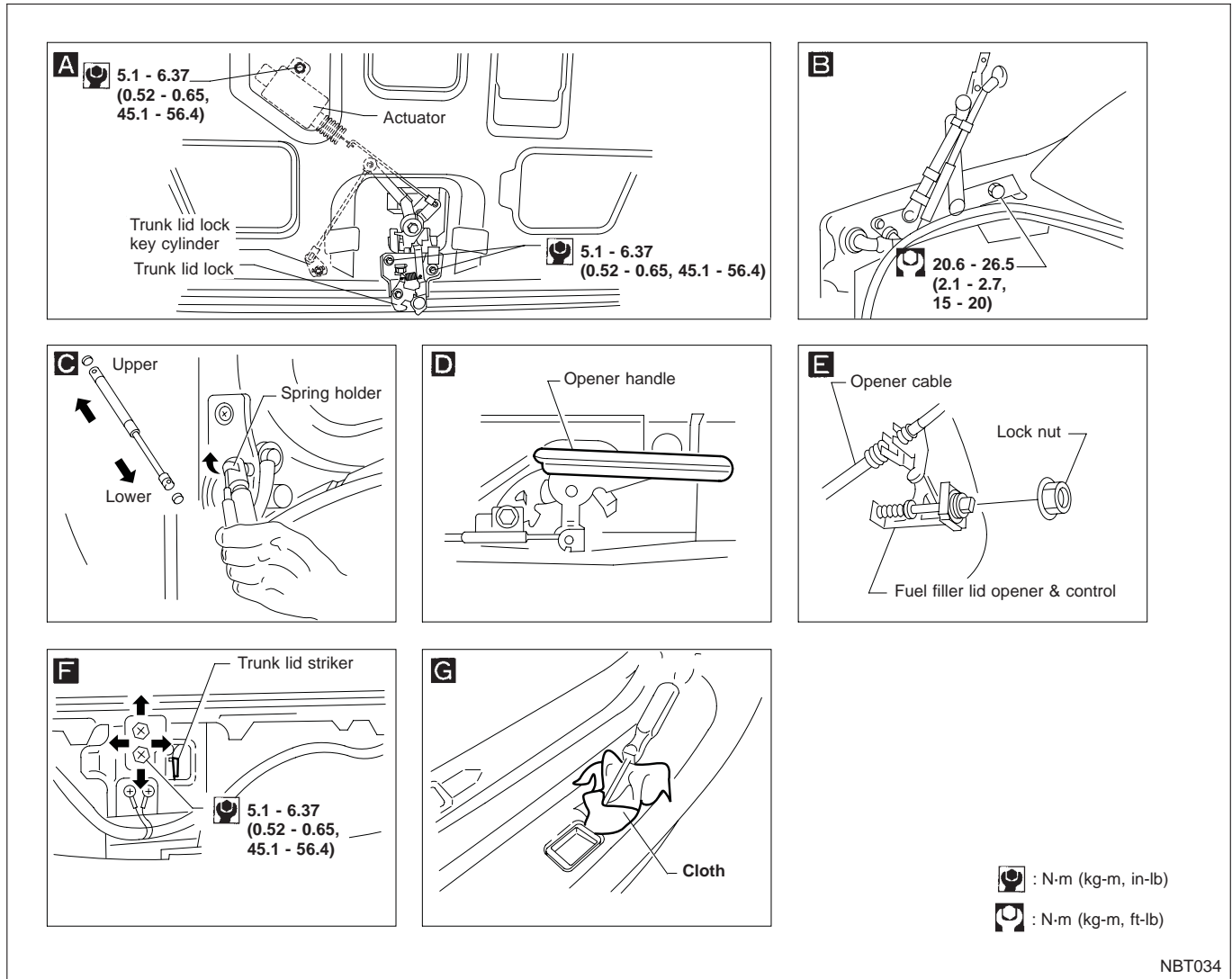
Body Rear End and Opener

4-DOOR SEDAN

- 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.

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.
- Opener cable: Do not attempt to bend cable using excessive force.
- After installation, make sure that trunk lid and fuel filler lid open smoothly.



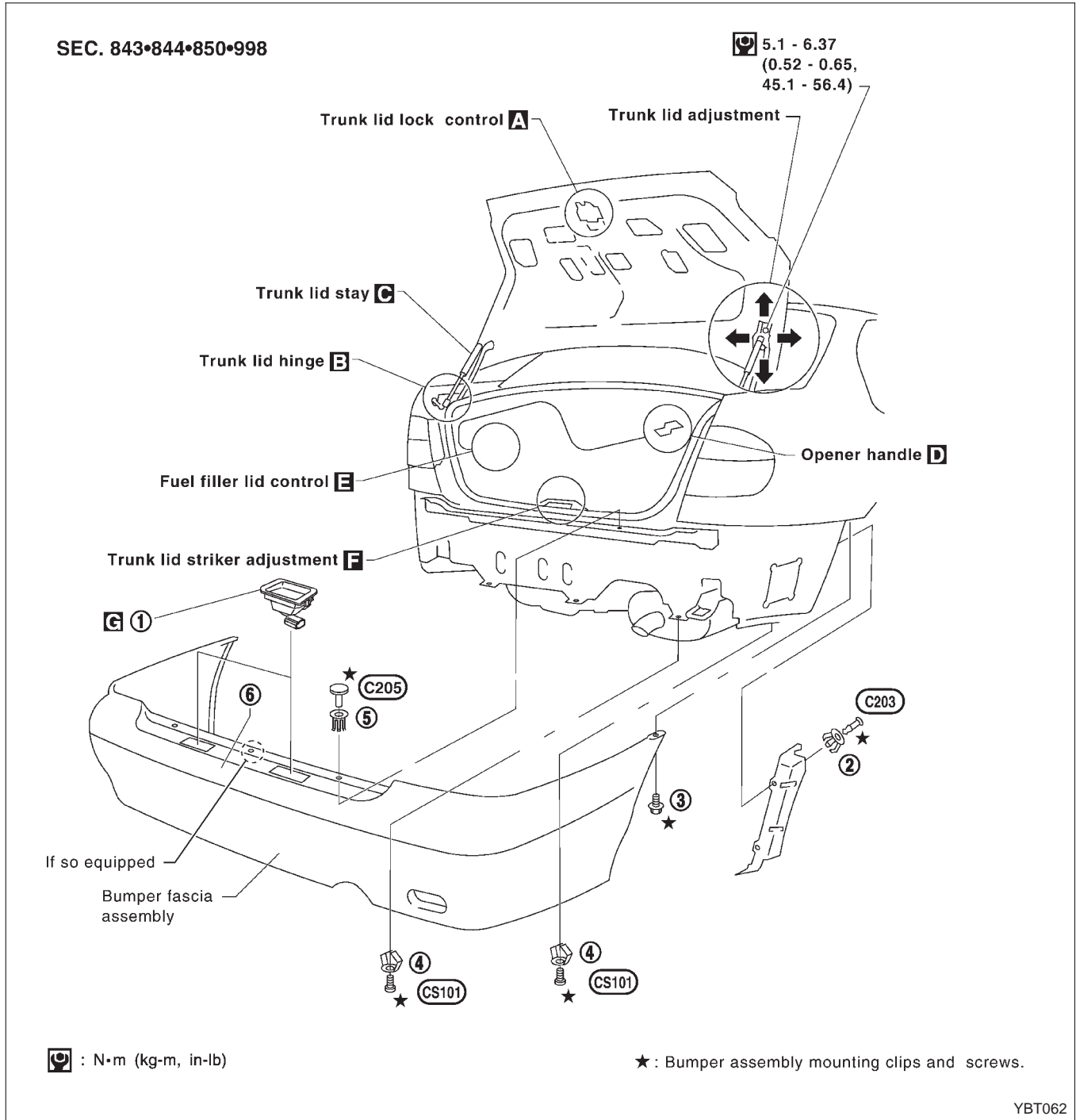
NBT034

BODY END

Body Rear End and Opener (Cont'd)

REMOVAL — Rear bumper assembly

- ① Remove license plate lamp. **G**
- ② Remove clips **C203** securing left and right chipping protector.
- ③ Remove screws securing bumper fascia to left and right rear fenders.
- ④ Remove clips **CS101** securing bumper fascia to rear panel.
- ⑤ Remove clips **C205** securing bumper fascia to rear panel upper.
- ⑥ Extract bumper fascia assembly.



BODY END

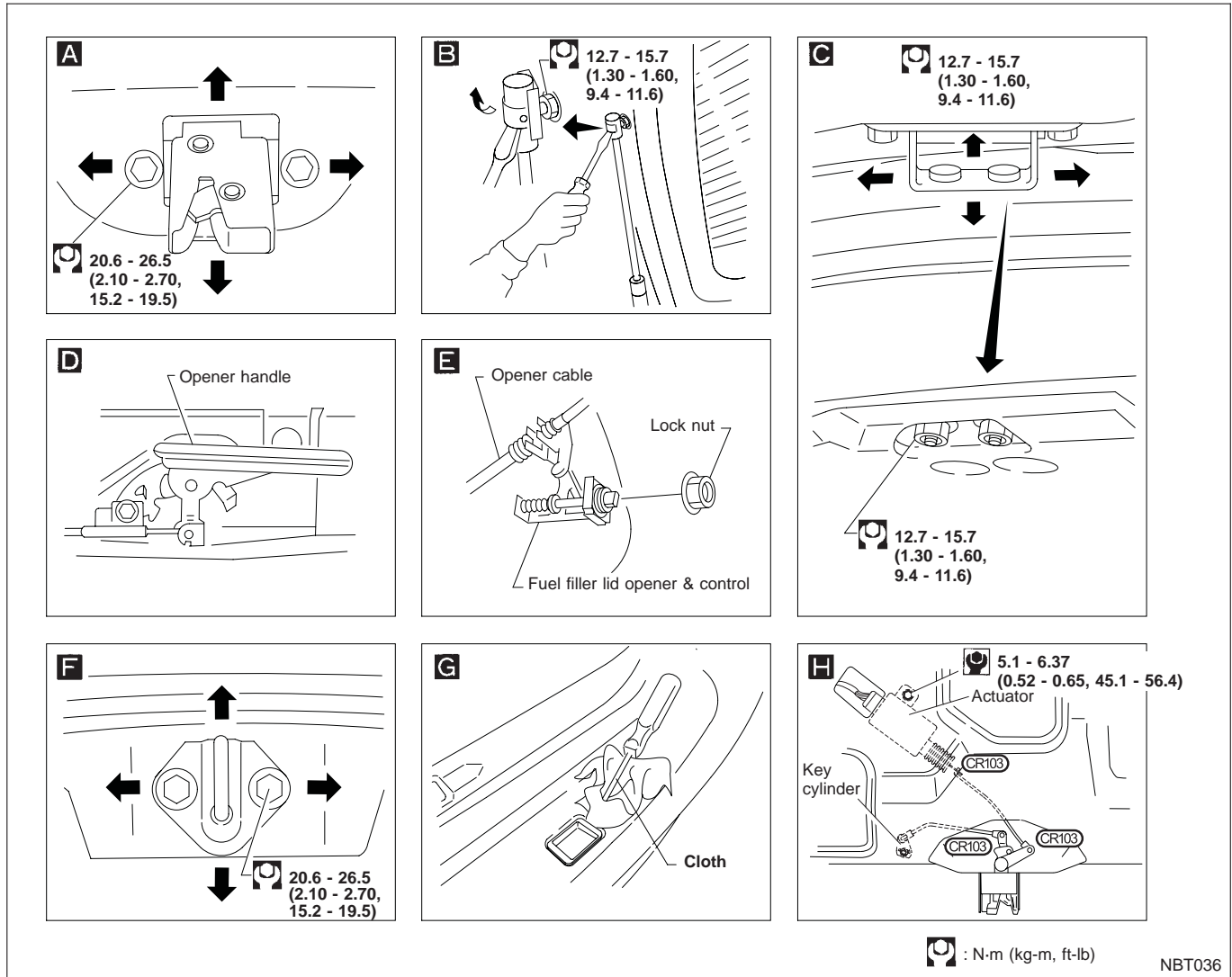
Body Rear End and Opener (Cont'd)

5-DOOR HATCHBACK

- Back door adjustment: Adjust at hinge-body portion for proper back door fit.
- Back door lock system adjustment: Adjust lock & striker so that they are in the center. After adjustment, check back door lock operation.

WARNING:

- Be careful not to scratch back door stay when installing back door. A scratched stay may cause gas leakage.
- The contents of the back door stay are under pressure. Do not take apart, puncture, apply heat or allow fire near it.
- Opener cable: Do not attempt to bend cable using excessive force.
- After installation, make sure that back door and fuel filler lid open smoothly.



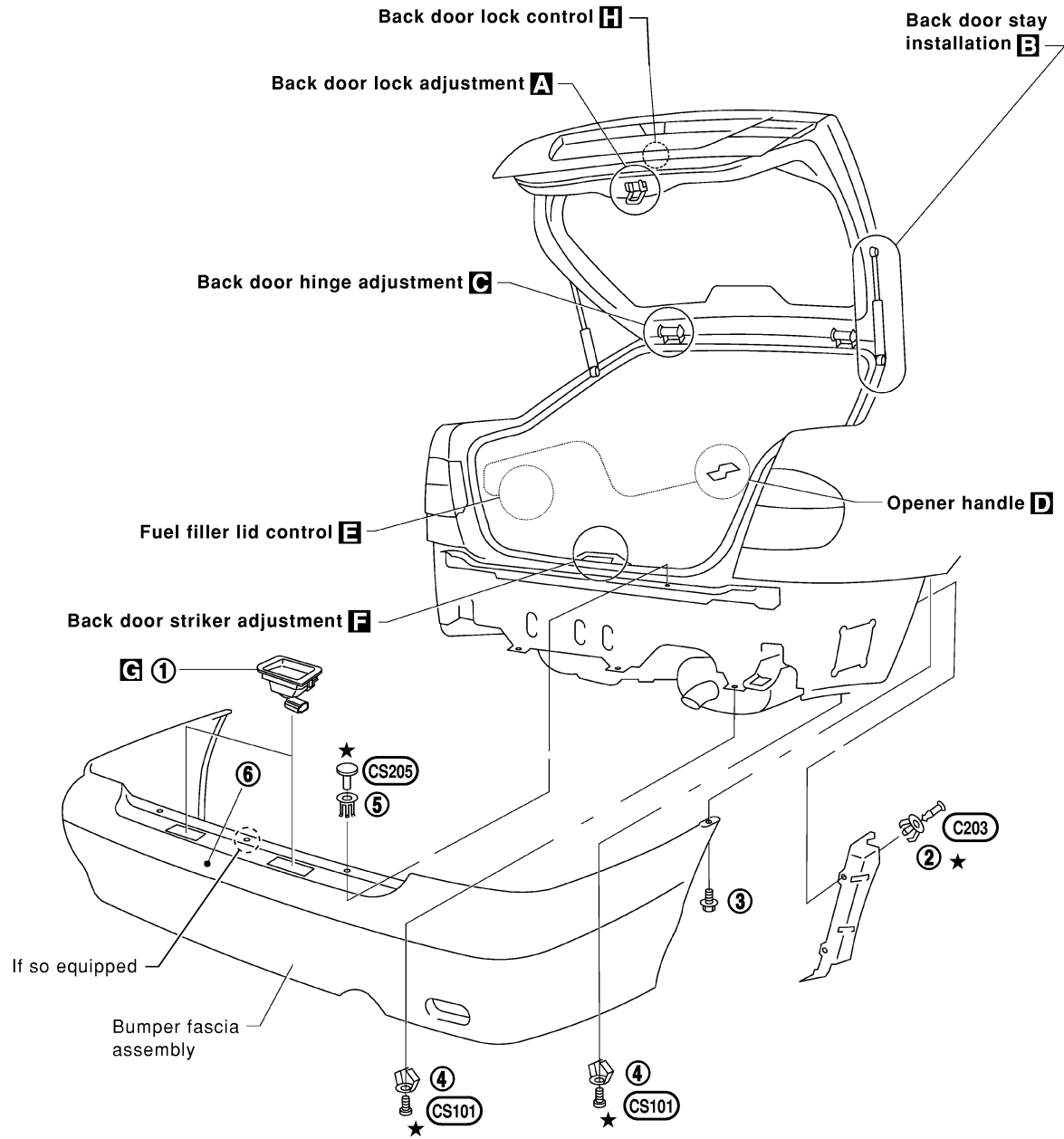
REMOVAL — Rear bumper assembly

- ① Remove license plate lamp **G**
- ② Remove clips **C203** securing left and right chipping protector.
- ③ Remove screws securing bumper fascia to left and right rear fenders.
- ④ Remove clips **CS101** securing bumper fascia to rear panel.
- ⑤ Remove clips **C205** securing bumper fascia to rear panel upper.
- ⑥ Extract bumper fascia assembly.

BODY END

Body Rear End and Opener (Cont'd)

SEC. 850-900-905



★ : Bumper assembly mounting clips and screws.

YBT061

BODY END

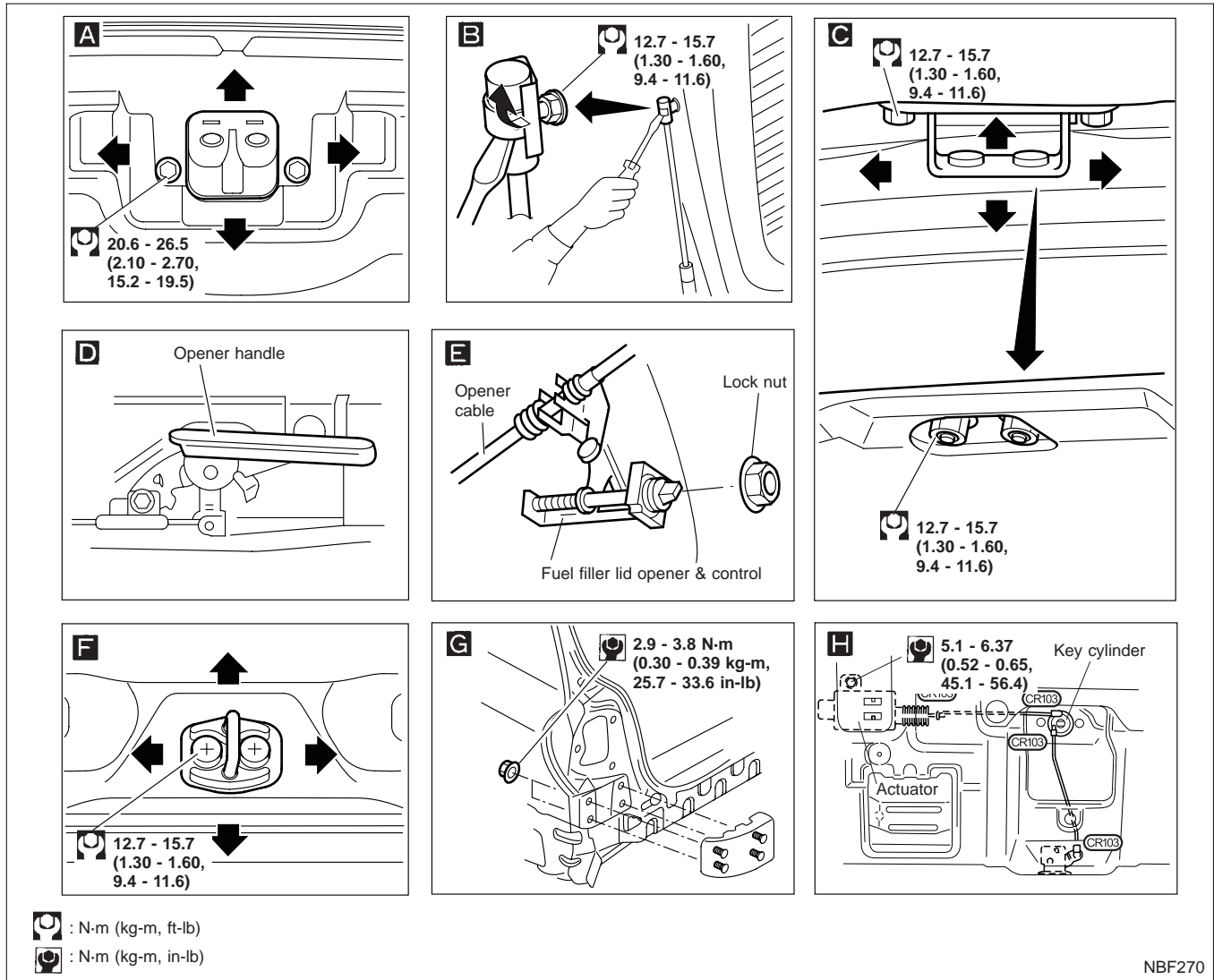
Body Rear End and Opener (Cont'd)

WAGON

- Back door adjustment: Adjust at hinge-body portion for proper back door fit.
- Back door lock system adjustment: Adjust lock & striker so that they are in the center. After adjustment, check back door lock operation.

WARNING:

- Be careful not to scratch back door stay when installing back door. A scratched stay may cause gas leakage.
- The contents of the back door stay are under pressure. Do not take apart, puncture, apply heat or allow fire near it.
- Fuel filler lid opener cable: Do not attempt to bend cable using excessive force.
- After installation, make sure that back door and fuel filler lid open smoothly.

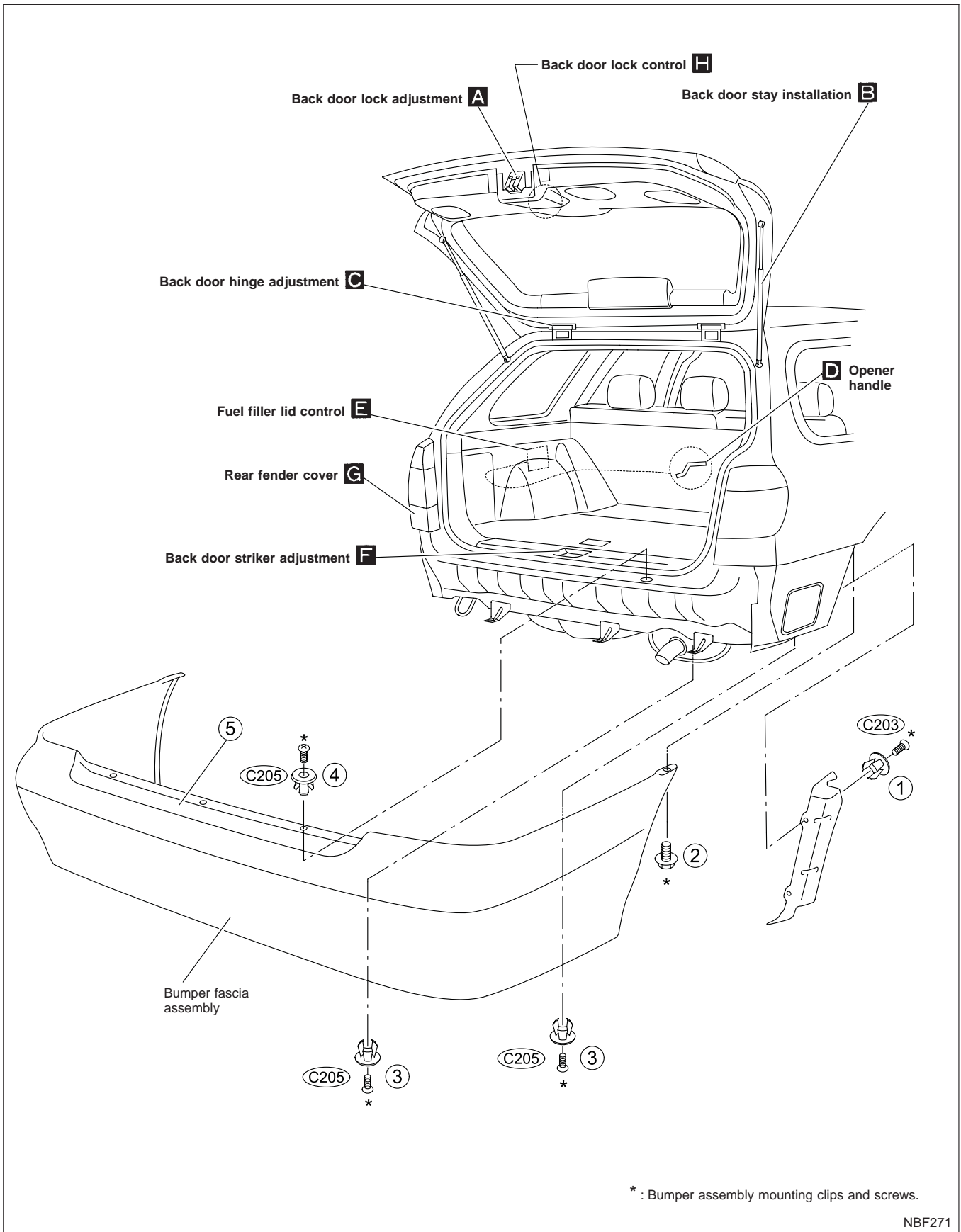


REMOVAL — Rear bumper assembly

- ① Remove clips (C203) securing left and right chipping protector.
- ② Remove screws securing bumper fascia to left and right rear fenders.
- ③ Remove clips (C205) (small) securing bumper fascia to rear panel.
- ④ Remove clips (C205) (large) securing bumper fascia to rear panel upper.
- ⑤ Extract bumper fascia assembly.

BODY END

Body Rear End and Opener (Cont'd)

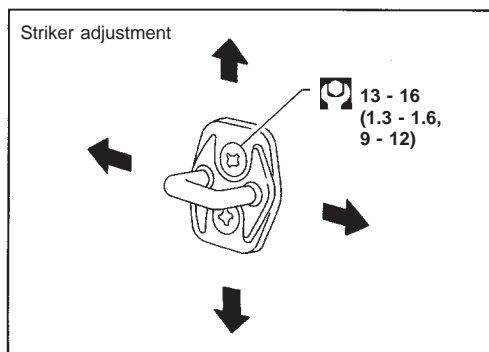
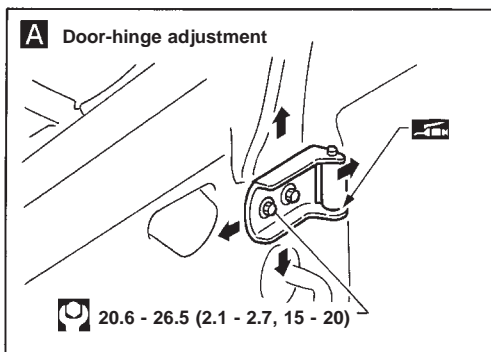
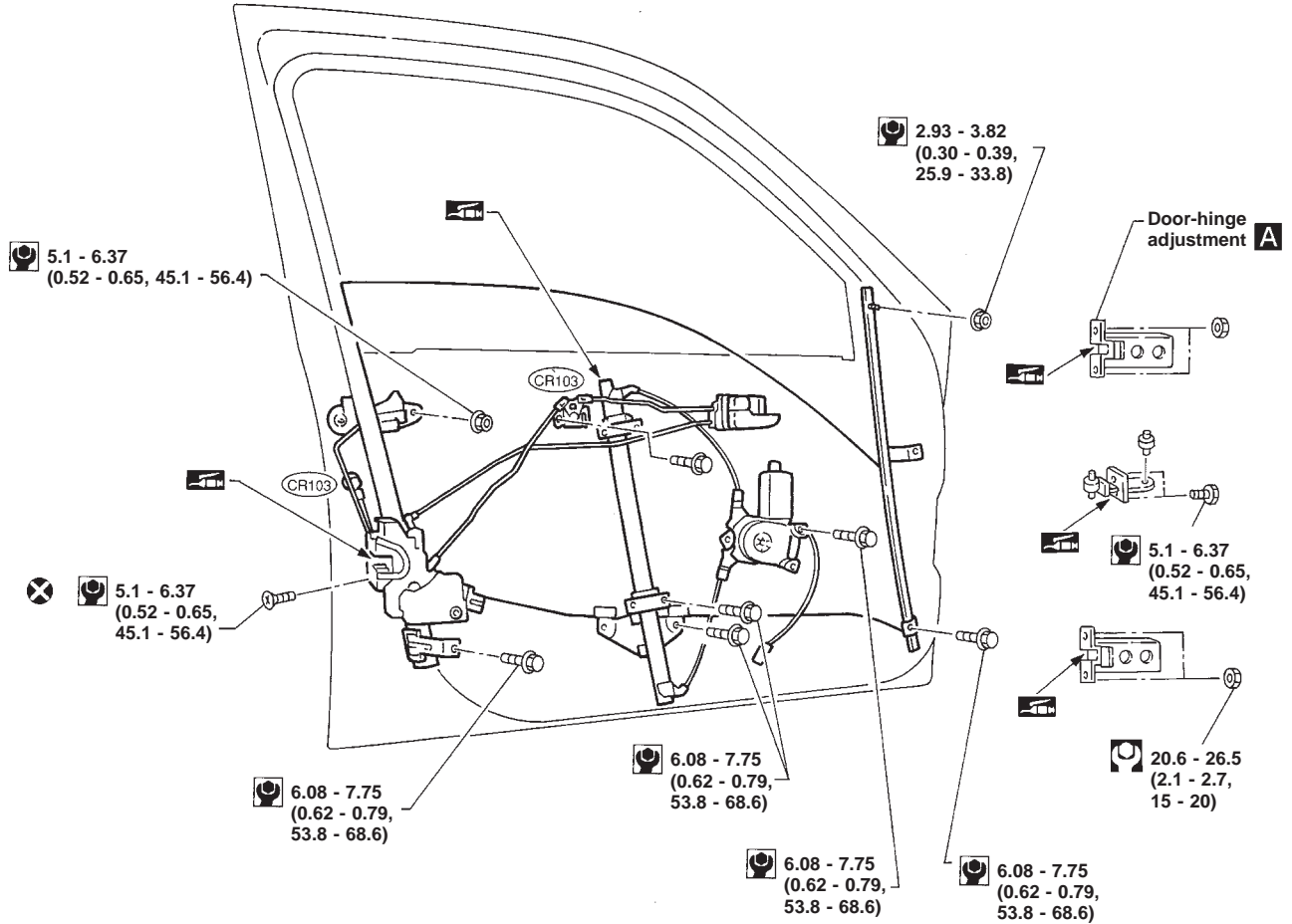


DOOR

Front Door

- For removal of door trim, refer to "Door Trim" in "INTERIOR TRIM" for details, BT-24.
- After adjusting door or door lock, check door lock operation.

SEC. 800-803-805



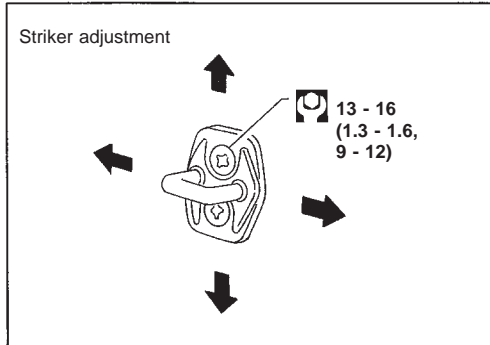
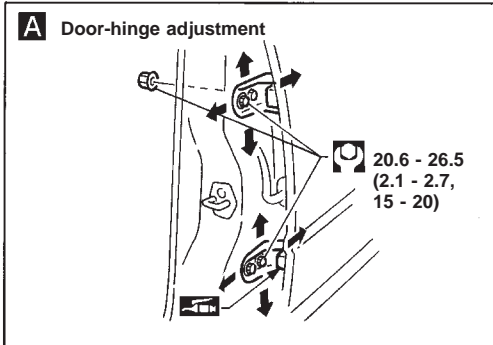
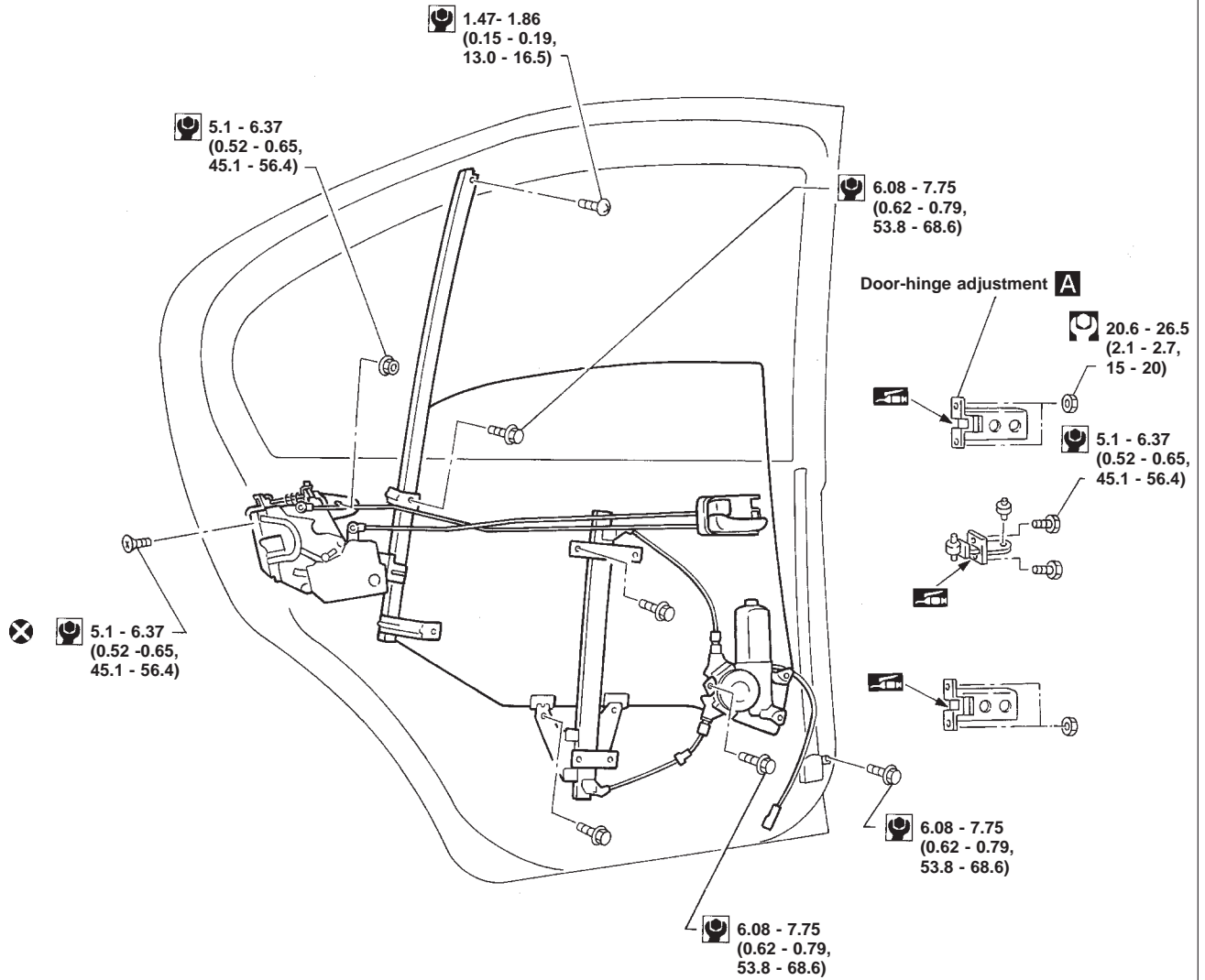
- : N-m (kg-m, ft-lb)
- : N-m (kg-m, in-lb)
- : Apply grease

NBT038

DOOR

Rear Door

SEC. 820-823-825



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

NBT039

INSTRUMENT PANEL

CAUTION:

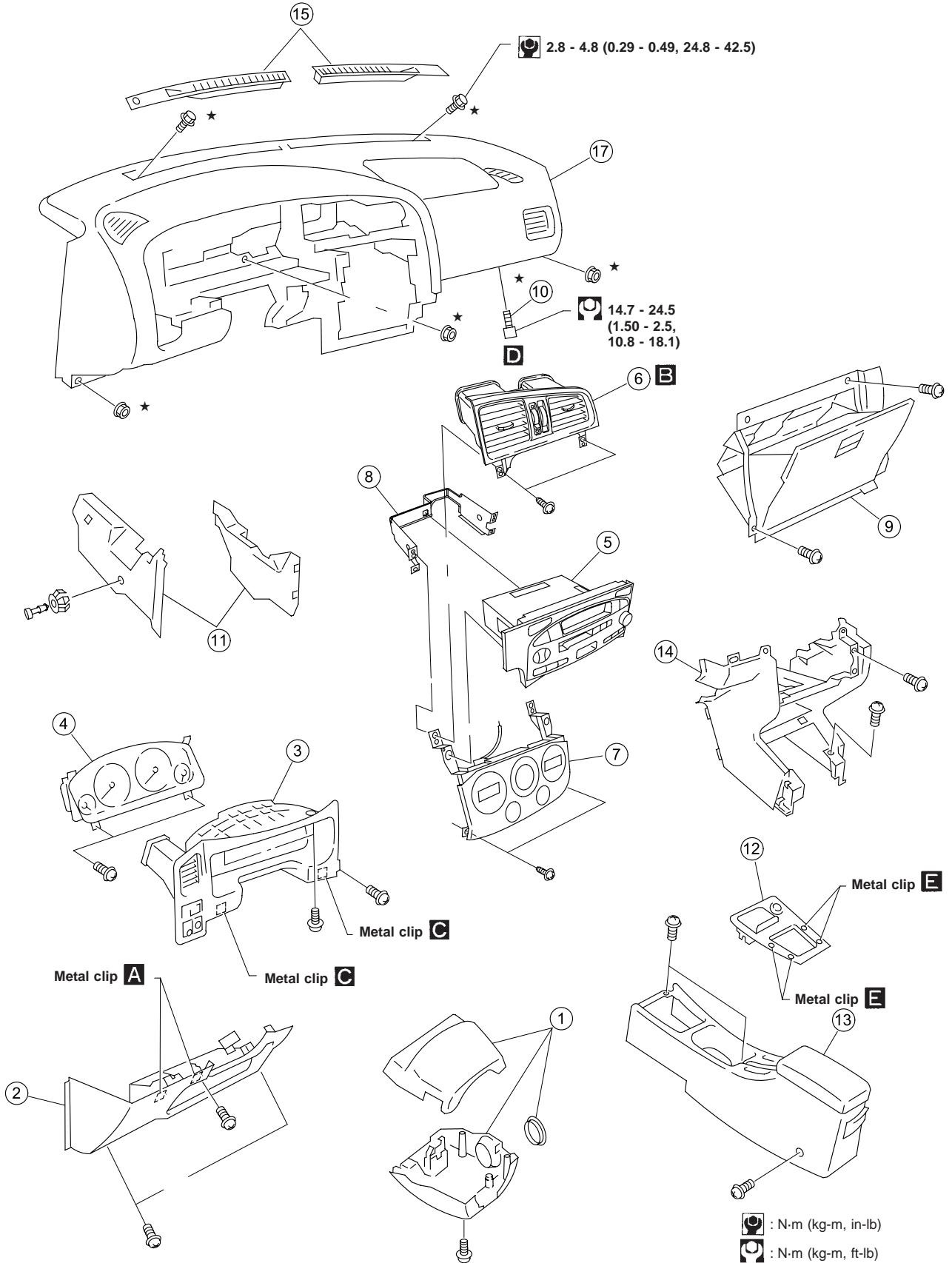
- Disconnect both battery cables in advance.
- Disconnect air bag system line in advance.
- Never tamper with or force air bag lid open, as this may adversely affect air bag performance.
- Be careful not to scratch pad and other parts.

REMOVAL — Instrument panel assembly

Instrument panel assembly	Combination meter	Audio & A/C control	Console box
Remove air bag module (driver's) and steering wheel. Refer to "SUPPLEMENTAL RESTRAINT SYSTEM" in RS section for details.			
① Steering column cover and combination switch ● Remove screws.			
② Instrument lower panel on driver side ● Remove screws.			A
③ Cluster lid A ● Remove screws.			B
④ Combination meter ● Remove screws and disconnect harness connectors.			
⑤ Audio			
⑥ Center ventilator ● Remove screws. ● Pull out with a miniature flat-bladed screwdriver.			C
⑦ A/C or heated control ● Remove screws.			
⑧ Audio bracket			
⑨ Glove box assembly ● Remove glove box pin. ● Then disconnect passenger air bag module connector.			
⑩ Passenger air bag module ● Refer to "SUPPLEMENTAL RESTRAINT SYSTEM" in RS section for details.			D
⑪ Lower cover ● Remove clip			
⑫ AT finisher or MT shift lever boot			E
⑬ Rear console box ● Remove console mask and screws.			
⑭ Front console box ● Remove screws and bolts.			
⑮ Front defroster grill ● Disconnect harness connector.			
⑯ Front pillar garnish ● Refer to "Side and Floor Trim" in "INTERIOR TRIM" for details, BT-18.			
⑰ Instrument panel and pads ● Remove nuts and bolts. ● Remove door mirror switch and disconnect the connector.			

INSTRUMENT PANEL

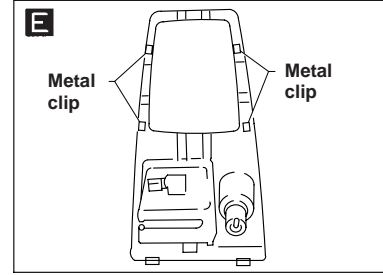
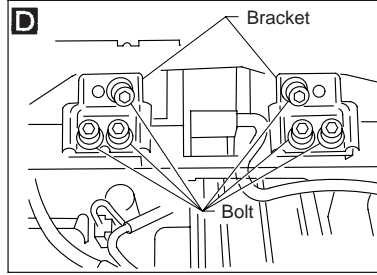
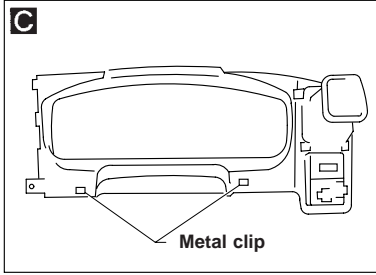
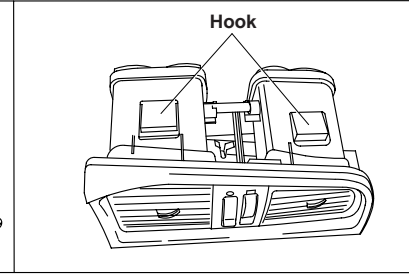
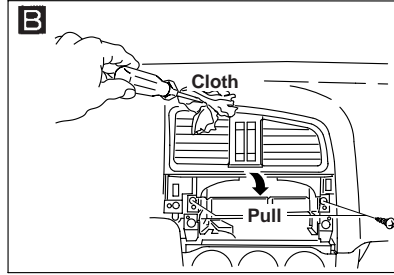
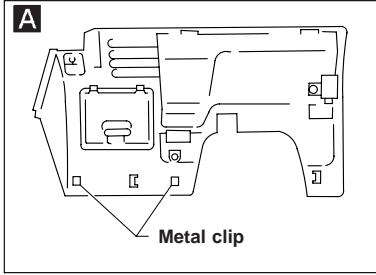
SEC. 248-251-272-487-680-685-969



★ : Instrument panel assembly mounting bolts & nuts.

NBT040

INSTRUMENT PANEL



NBT041

INTERIOR TRIM

Side and Floor Trim

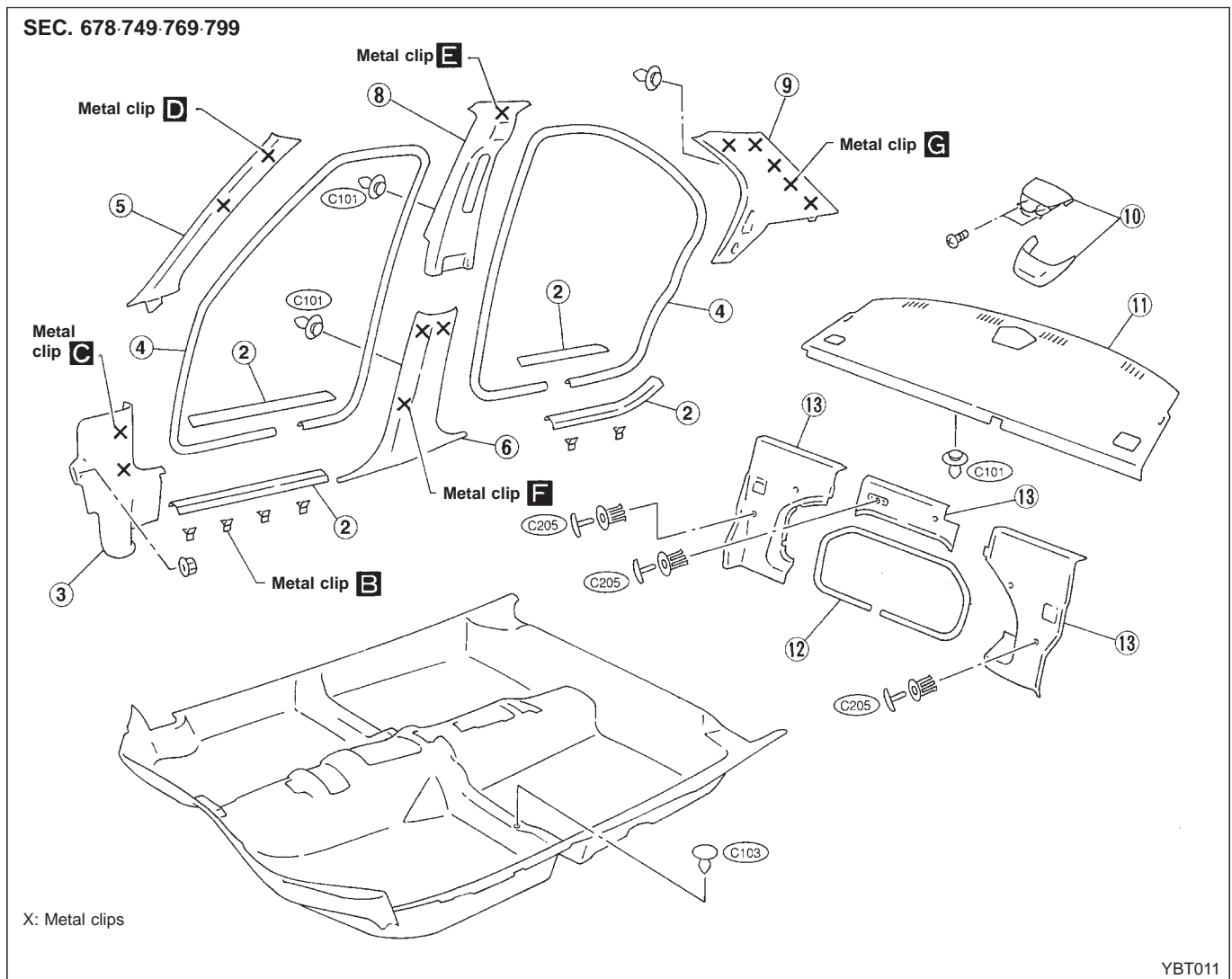
CAUTION:

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

REMOVAL — Body side trim

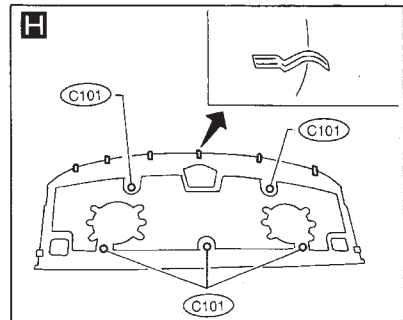
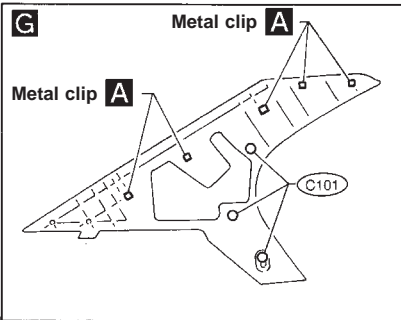
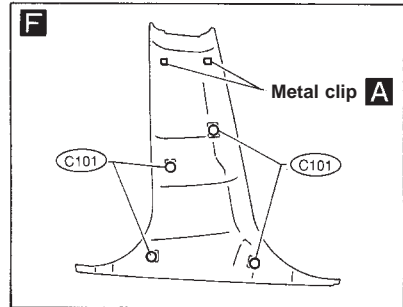
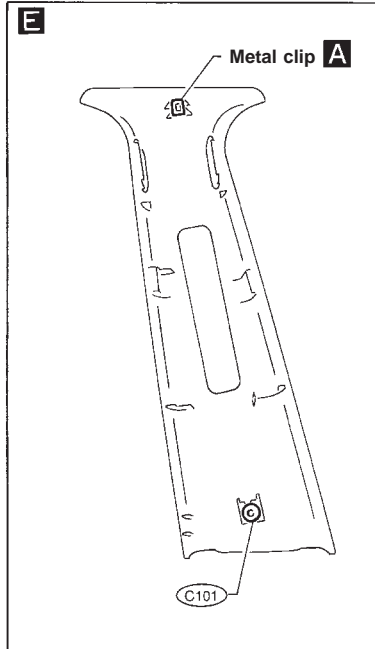
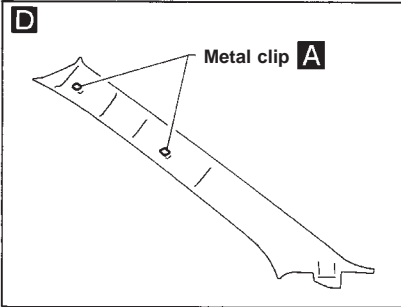
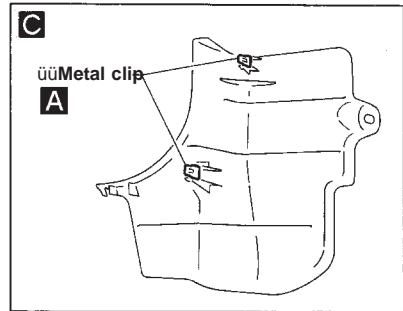
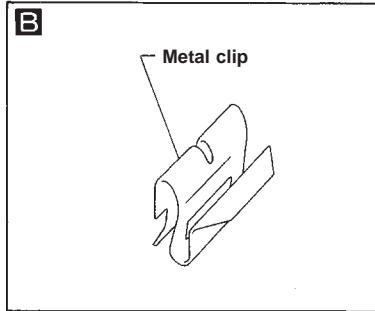
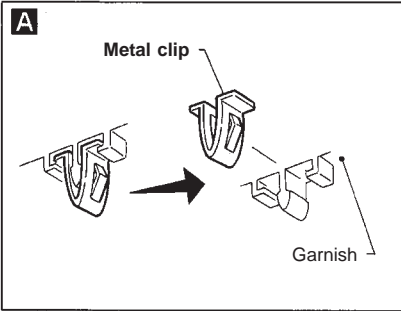
4-door sedan

- ① Remove front and rear seats. Refer to "SEAT" for details, BT-40.
- ② Remove front and rear kicking plates. **B**
- ③ Remove dash side lower finishers. **C**
- ④ Remove front and rear body side welts.
- ⑤ Remove front pillar garnishes. **D**
- ⑥ Remove center pillar lower garnishes. **F**
- ⑦ Remove front seat belt shoulder adjustment anchor bolt covers and anchor bolts (Refer to "SEAT BELTS" in RS section for anchor bolt details).
- ⑧ Remove center pillar upper garnishes. **E**
- ⑨ Remove rear pillar garnishes. **G**
- ⑩ High-mount stop lamp.
- ⑪ Remove rear parcel shelf finisher.
- ⑫ Remove welt.
- ⑬ Remove seatback finisher.



INTERIOR TRIM

Side and Floor Trim (Cont'd)



YBT012

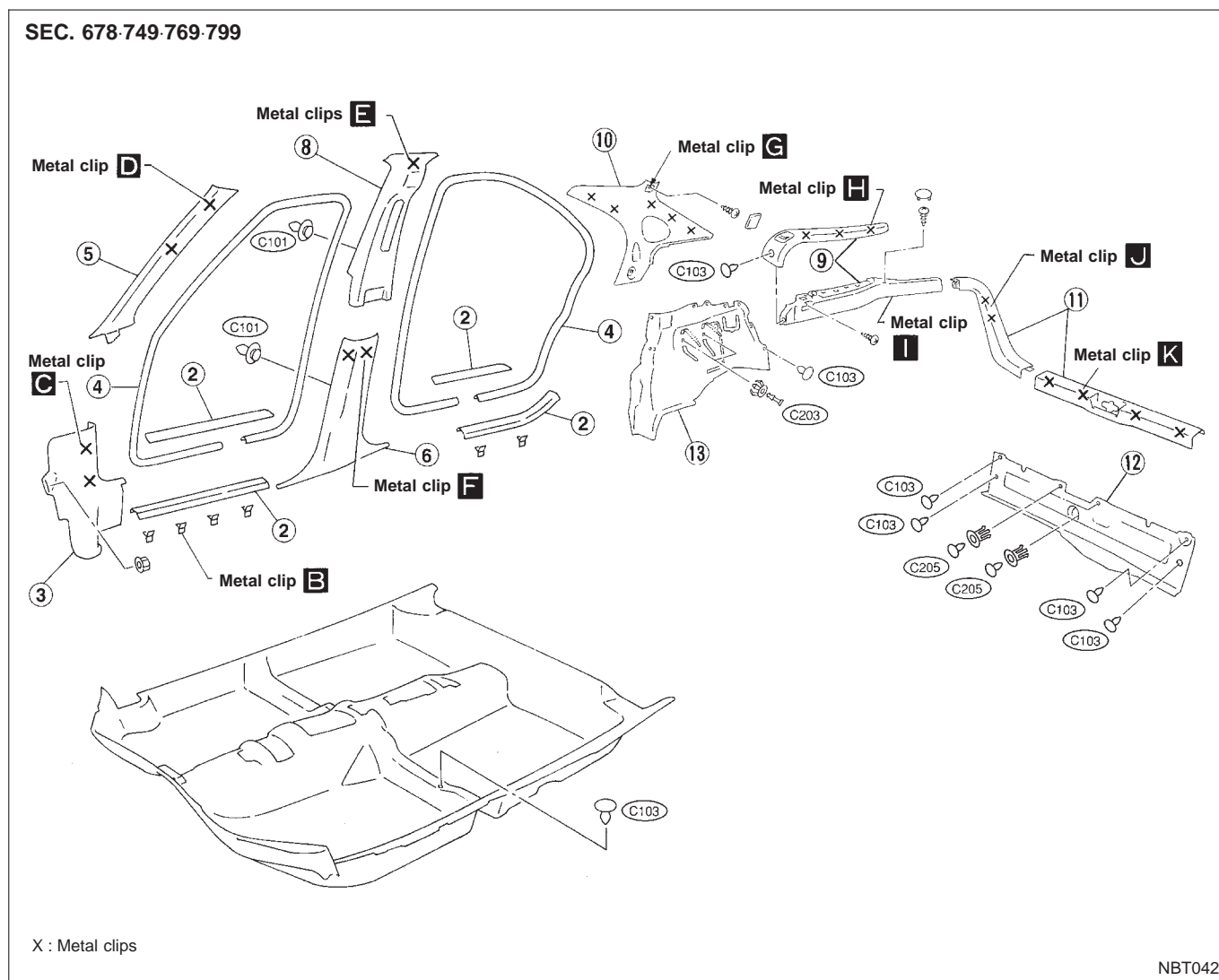
INTERIOR TRIM

Side and Floor Trim (Cont'd)

REMOVAL — Body side trim

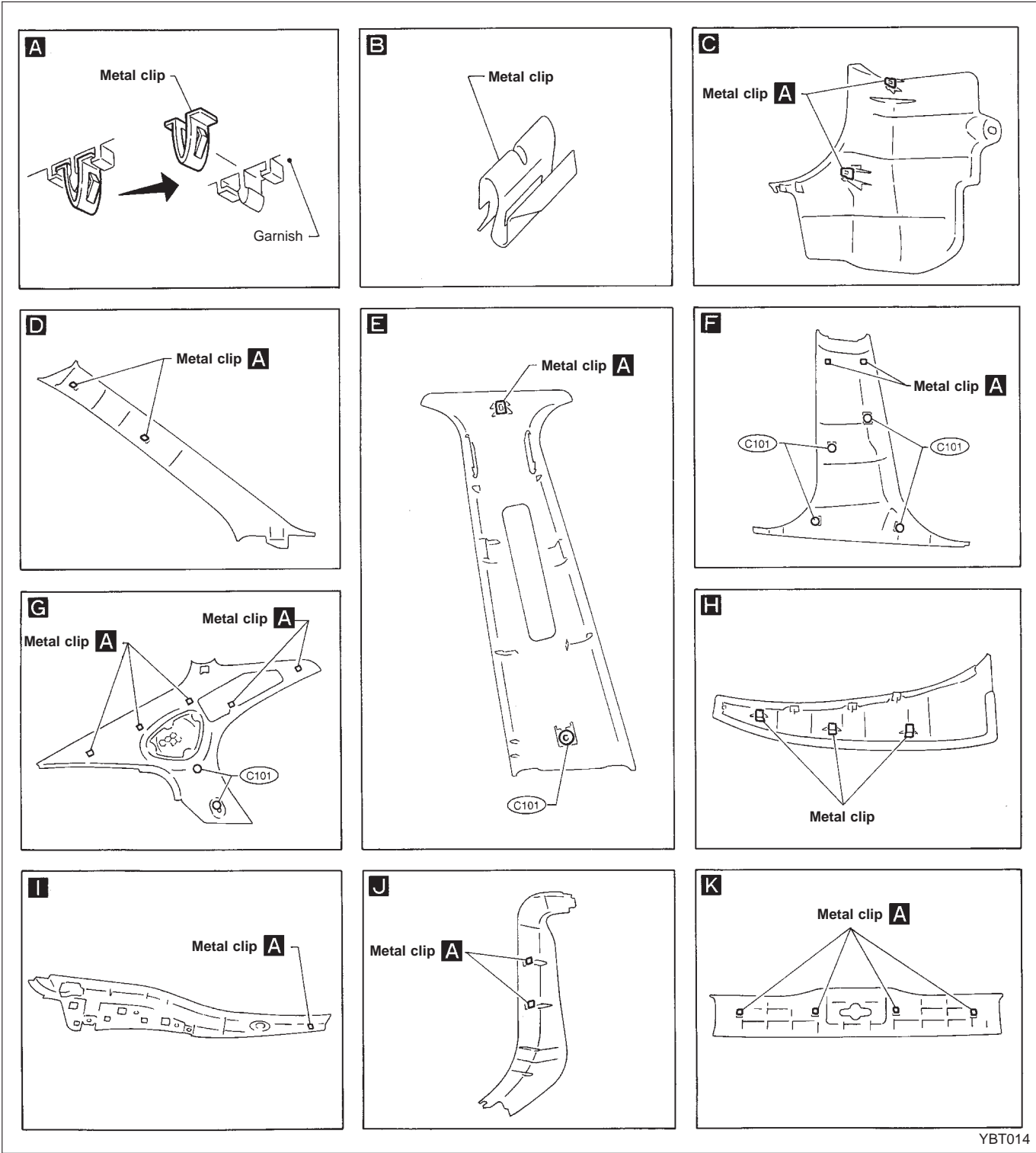
5-door hatchback

- Remove parcel shelf before removing body side trim.
- ① Remove front and rear seats. Refer to "SEAT" for details, BT-40.
- ② Remove front and rear kicking plates. **B**
- ③ Remove dash side lower finishers. **C**
- ④ Remove front and rear body side welts.
- ⑤ Remove front pillar garnishes. **D**
- ⑥ Remove center pillar lower garnishes. **F**
- ⑦ Remove front seat belt shoulder adjustment anchor bolt covers and anchor bolts (Refer to "SEAT BELTS" in RS section for anchor bolt details).
- ⑧ Remove center pillar upper garnishes. **E**
- ⑨ Remove rear parcel shelf side finishers. **H I**
- ⑩ Remove rear pillar finishers. **G**
- ⑪ Remove luggage room rear plate. **J K**
- ⑫ Remove luggage room rear finisher.
- ⑬ Remove luggage room side lower finishers.



INTERIOR TRIM

Side and Floor Trim (Cont'd)



YBT014

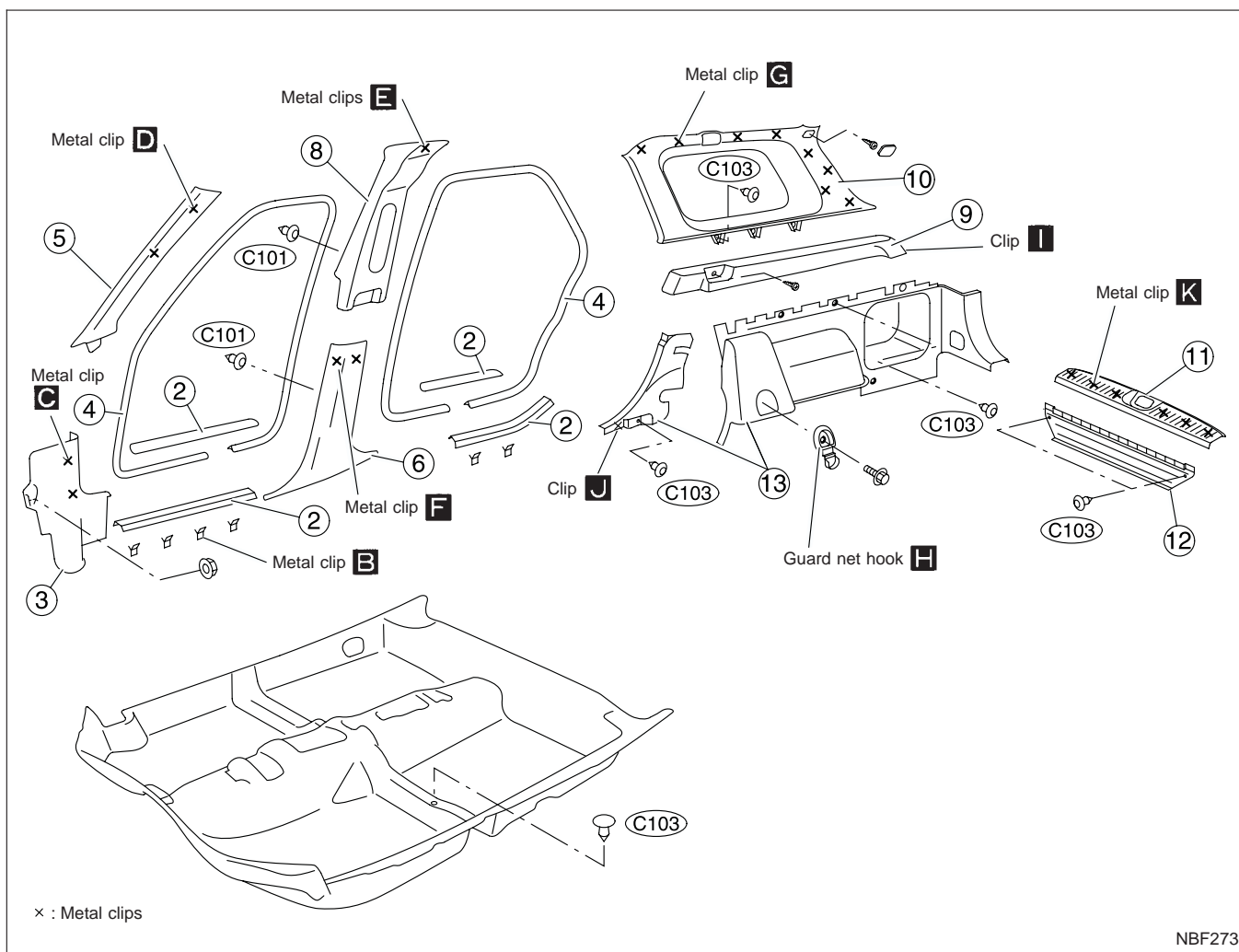
INTERIOR TRIM

Side and Floor Trim (Cont'd)

REMOVAL — Body side trim

Wagon

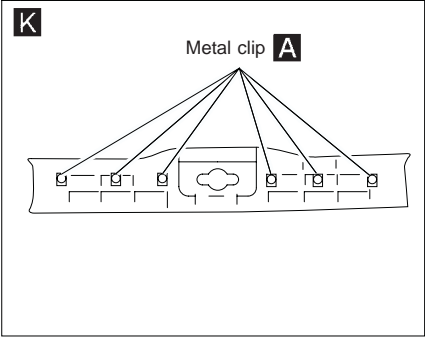
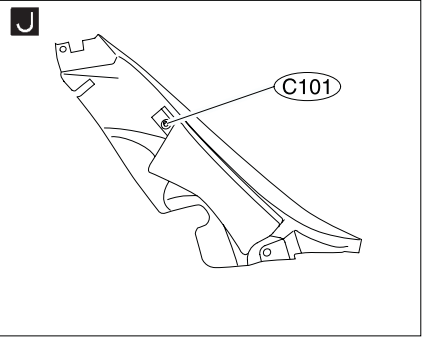
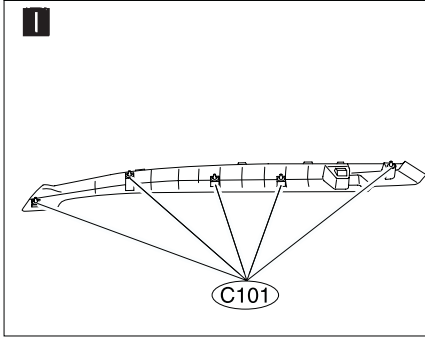
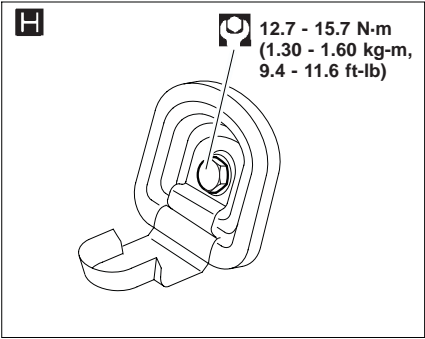
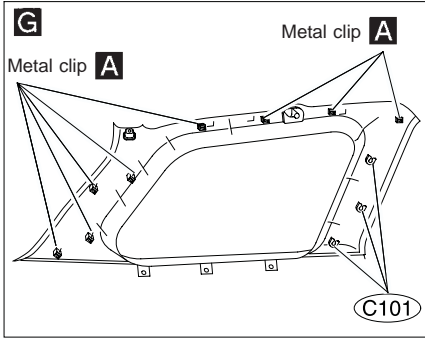
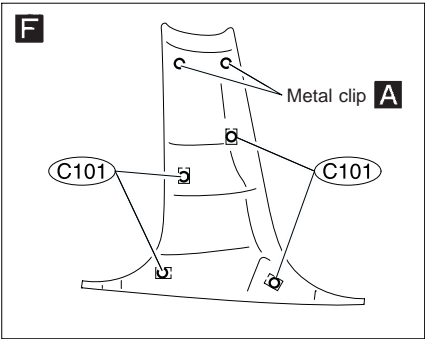
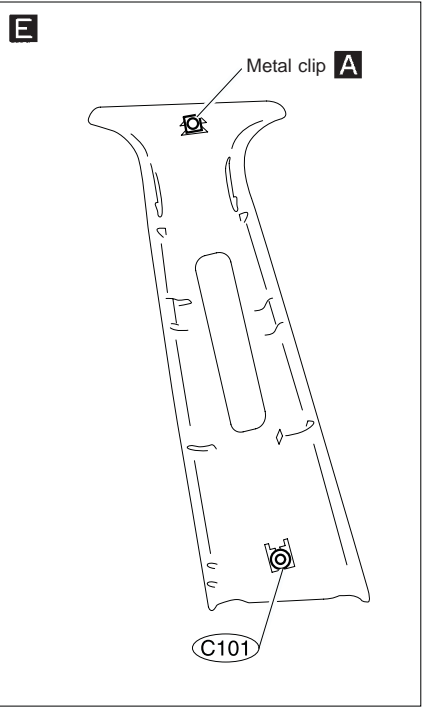
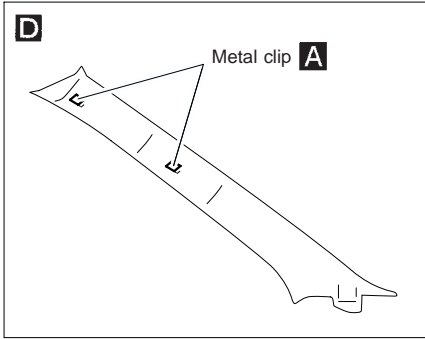
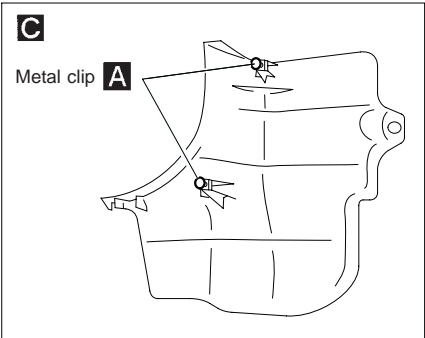
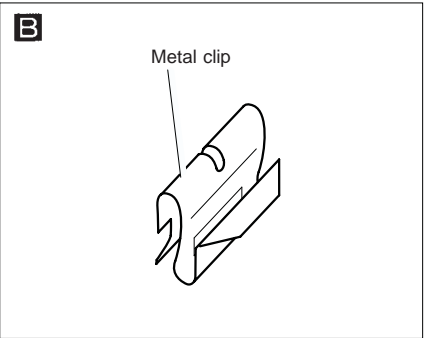
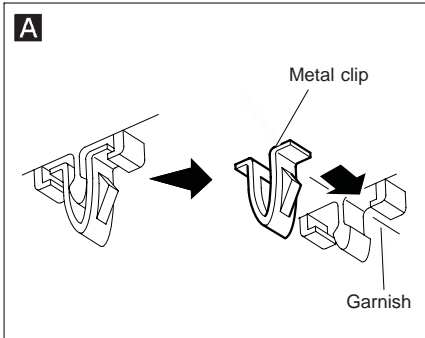
- Remove parcel shelf before removing body side trim.
- ① Remove front and rear seats. Refer to "SEAT" for details, BT-40.
- ② Remove front and rear kicking plates. **B**
- ③ Remove dash side lower finishers. **C**
- ④ Remove front and rear body side welts.
- ⑤ Remove front pillar garnishes. **D**
- ⑥ Remove center pillar lower garnishes. **F**
- ⑦ Remove front seat belt shoulder adjustment anchor bolt covers and anchor bolts (Refer to "SEAT BELTS" in RS section for anchor bolt details).
- ⑧ Remove center pillar upper garnishes. **E**
- ⑨ Remove luggage room side center finisher. **I**
- ⑩ Remove luggage room side upper finisher. **G**
- ⑪ Remove luggage room rear plate. **K**
- ⑫ Remove luggage room rear finisher.
- ⑬ Remove luggage room side lower finisher. **J**



NBF273

INTERIOR TRIM

Side and Floor Trim (Cont'd)



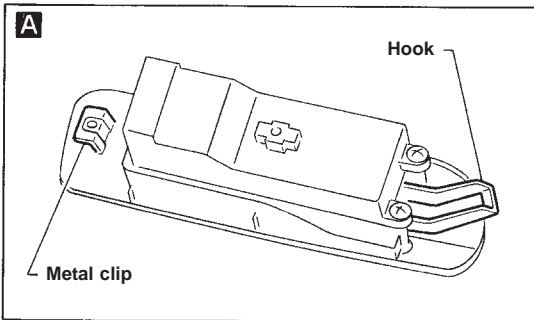
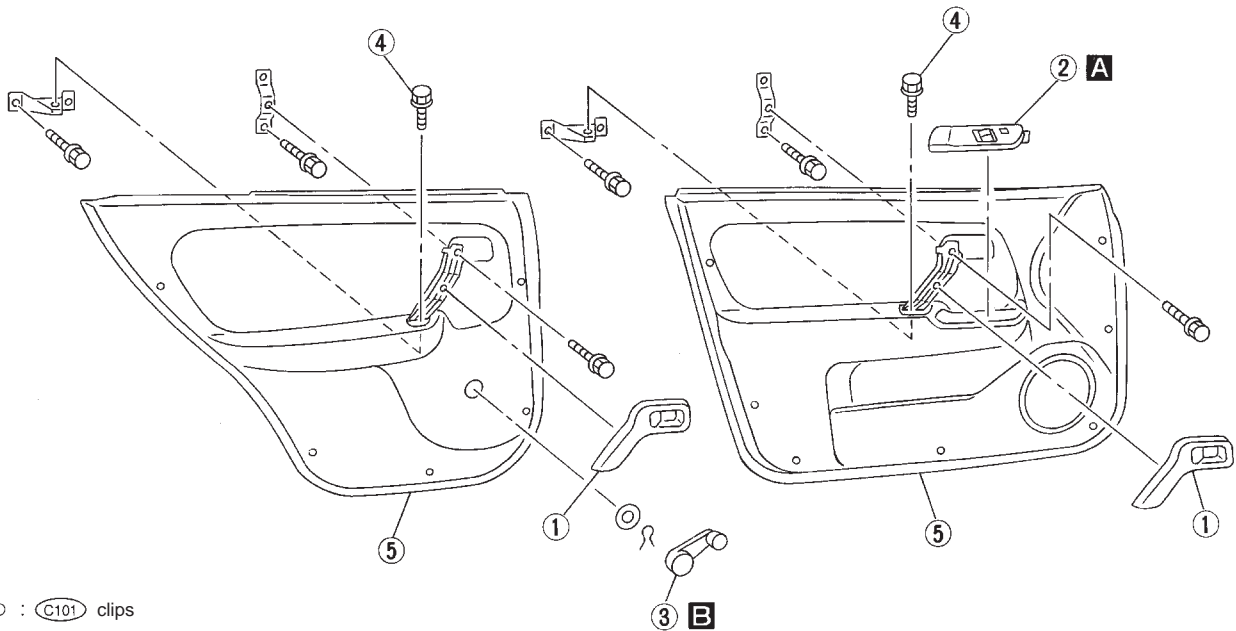
NBF272

Door Trim

REMOVAL — Door trim

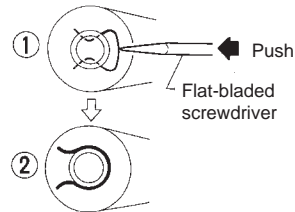
- ① Remove pull handle.
- ② Remove power window switch assembly and disconnect the connector (Power window models). **A**
- ③ Remove window regulator handle (Manual window models). **B**
- ④ Remove bolts, screws and clips (C101) securing door finisher.
- ⑤ Lift out door finisher.

SEC. 251-267-809-828



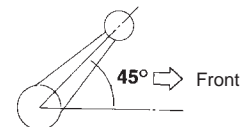
B Manual window regulator handle

Removal



Squeeze the regulator handle clip in place with a screwdriver and remove the regulator handle from the regulator shaft. Set the regulator handle clip as shown in figure ①.

Installation



Push the regulator handle to install it into the regulator shaft. Install the regulator handle in place as shown in the figure with the window completely closed.

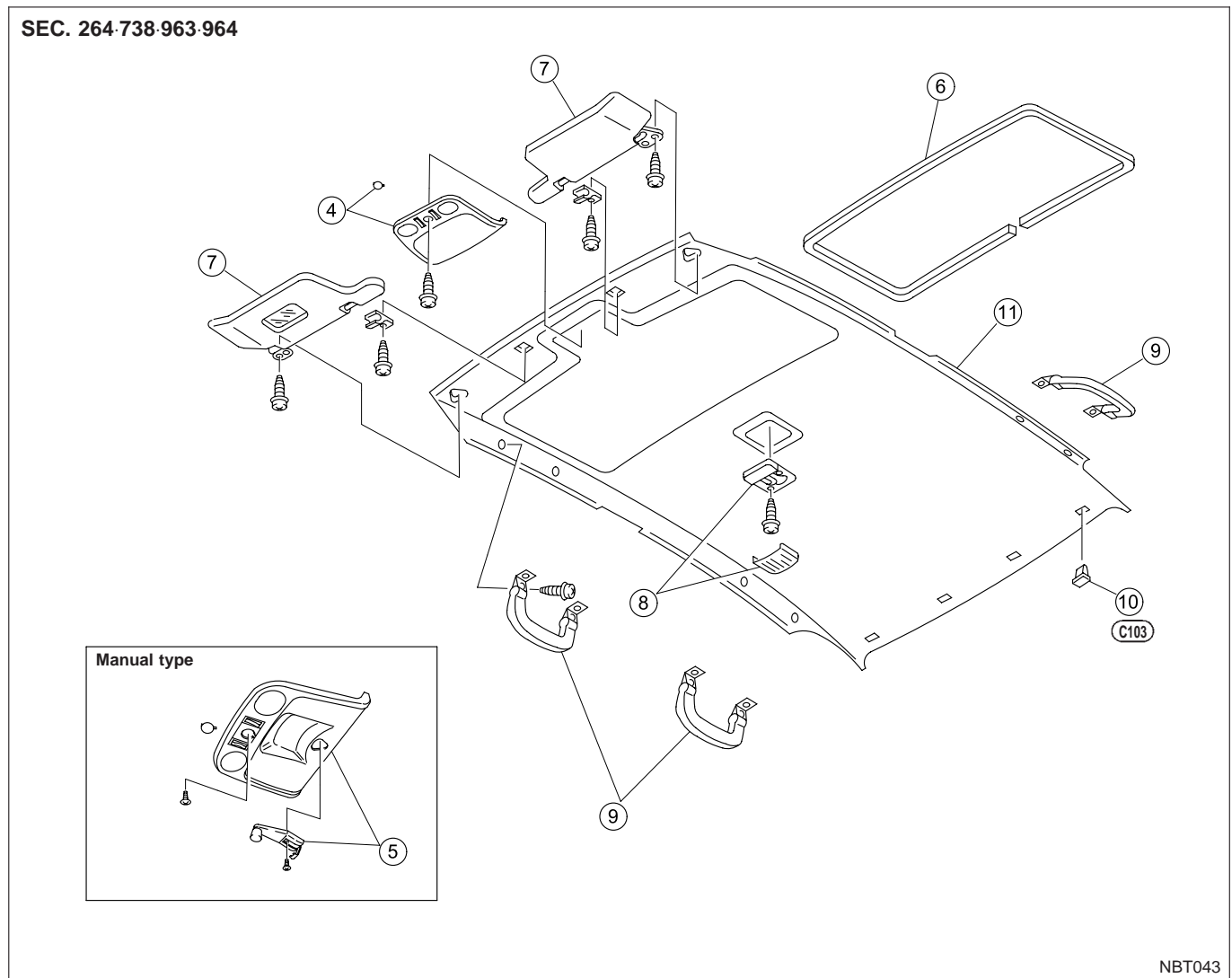
YBT015

Roof Trim

REMOVAL — Headlining

4-door sedan

- ① Remove front and rear seats. Refer to "SEAT" for details, BT-40.
- ② Remove front and rear seat belts. Refer to "SEAT BELTS" in RS section for details.
- ③ Remove body side trim. Refer to "Side and Floor Trim" for details, BT-18.
- ④ Remove sunroof switch. (Models equipped with electric sunroof)
- ⑤ Remove handle and lamp cover. (Models equipped with manual sunroof)
- ⑥ Remove sunroof welt. (Models equipped with sunroof)
- ⑦ Remove sun visors.
- ⑧ Remove interior lamp assembly.
- ⑨ Remove assist grips.
- ⑩ Remove clips (C103) securing headlining.
- ⑪ Remove headlining.



INTERIOR TRIM

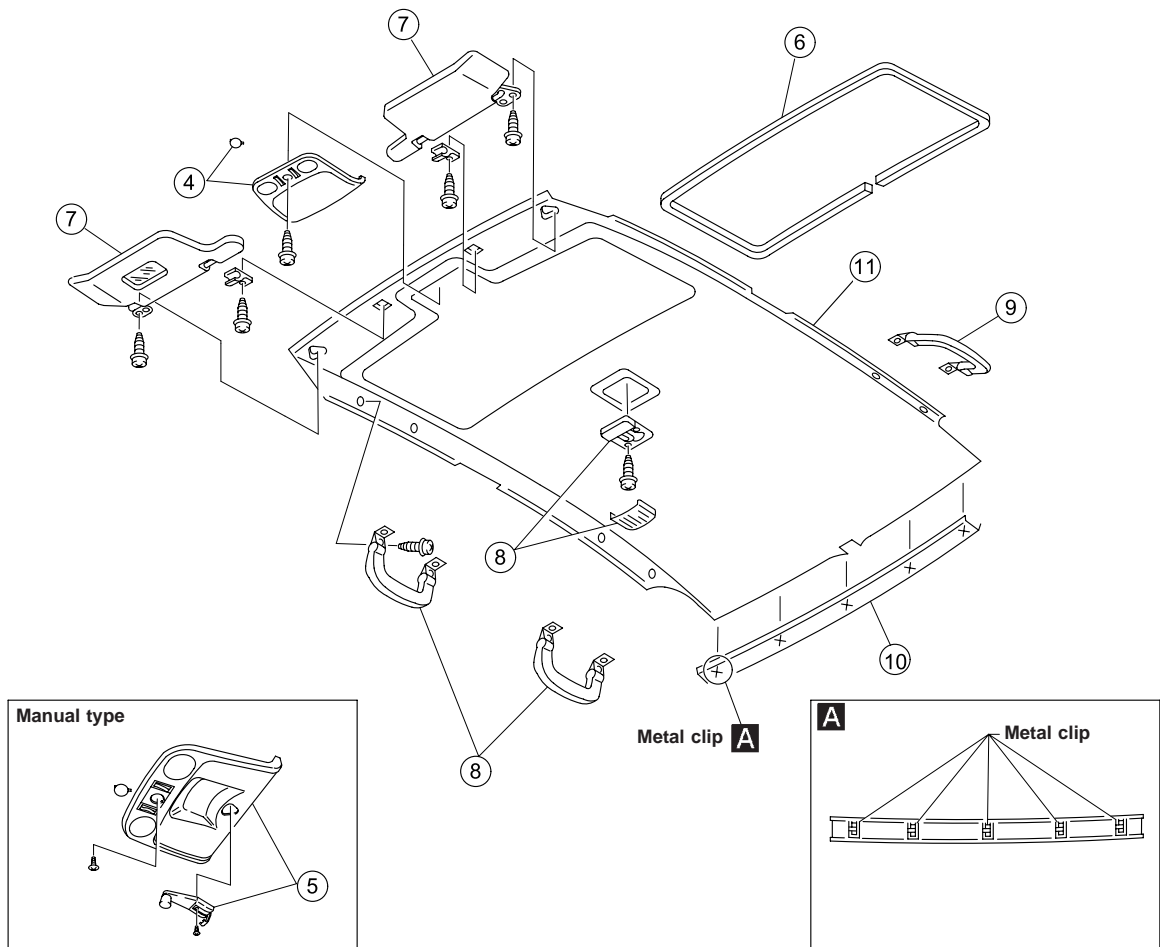
Roof Trim (Cont'd)

REMOVAL — Headlining

5-door hatchback

- ① Remove front and rear seats. Refer to "SEAT" for details, BT-40.
- ② Remove front and rear seat belts. Refer to "SEAT BELTS" in RS section for details.
- ③ Remove body side trim. Refer to "Side and Floor Trim" for details, BT-20.
- ④ Remove sunroof switch. (Models equipped with electric sunroof)
- ⑤ Remove handle and lamp cover. (Models equipped with manual sunroof)
- ⑥ Remove sunroof welt. (Models equipped with sunroof)
- ⑦ Remove sun visors.
- ⑧ Remove interior lamp assembly.
- ⑨ Remove assist grips.
- ⑩ Remove roof rear garnish. **A**
- ⑪ Remove headlining.

SEC. 264-738-963-964



NBT044

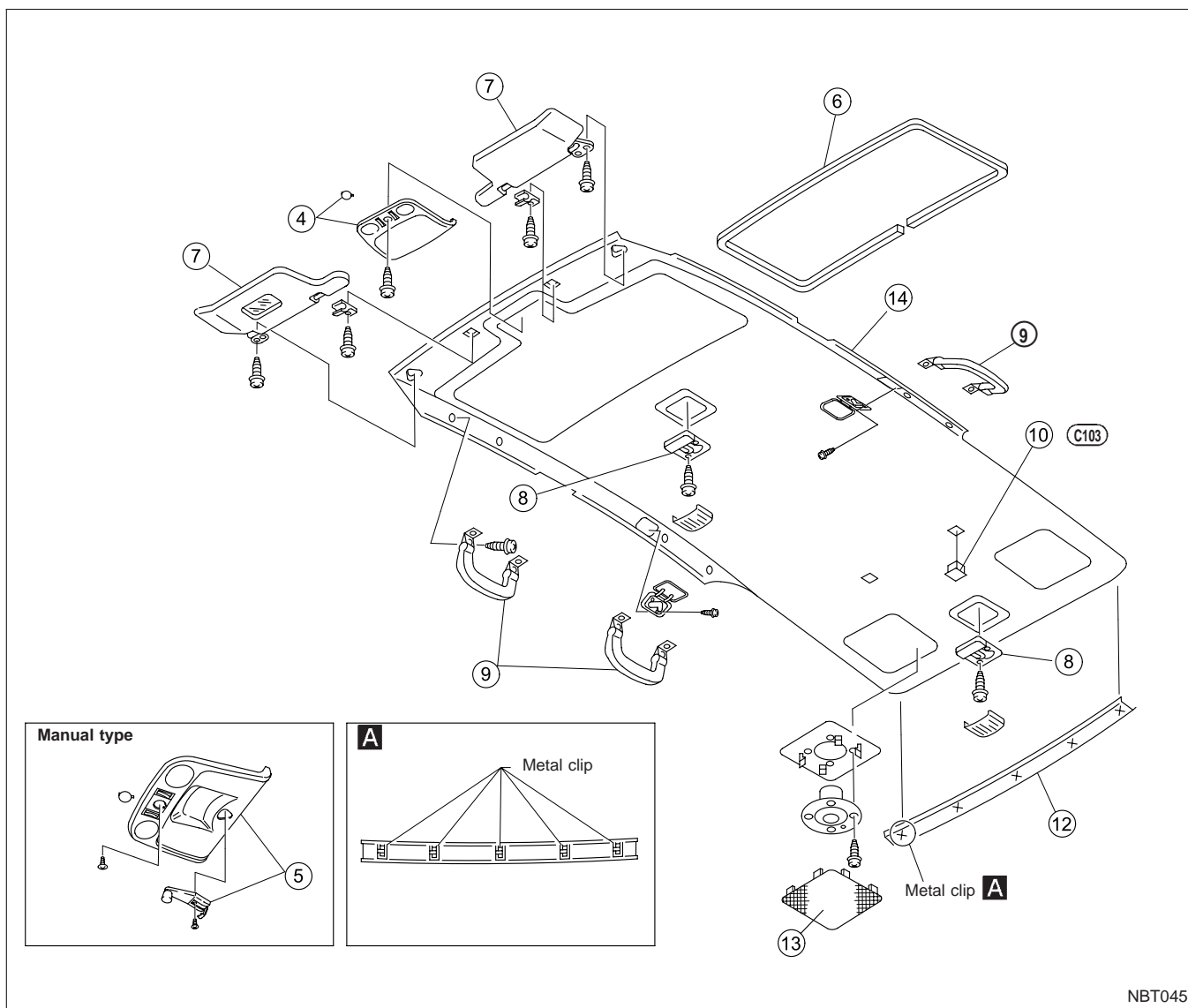
INTERIOR TRIM

Roof Trim (Cont'd)

REMOVAL — Headlining

Wagon

- ① Remove front and rear seats. Refer to "SEAT" for details, BT-40.
- ② Remove front and rear seat belts. Refer to "SEAT BELTS" in RS section for details.
- ③ Remove body side trim. Refer to "Side and Floor Trim" for details, BT-22.
- ④ Remove sunroof switch. (Models equipped with electric sunroof)
- ⑤ Remove handle and lamp cover. (Models equipped with manual sunroof)
- ⑥ Remove sunroof welt. (Models equipped with sunroof)
- ⑦ Remove sun visors.
- ⑧ Remove interior lamp (center) and interior lamp (rear).
- ⑨ Remove assist grips.
- ⑩ Remove clips (C103).
- ⑪ Remove luggage net escutcheons.
- ⑫ Remove roof rear garnish. **A**
- ⑬ Remove speakers.
- ⑭ Remove headlining.

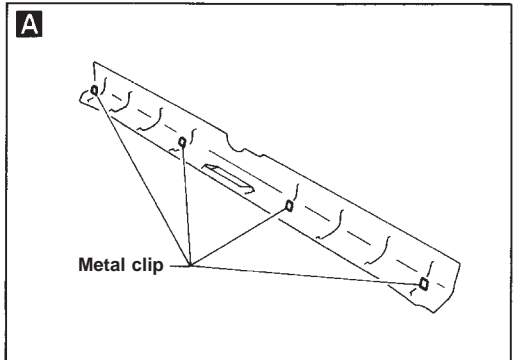
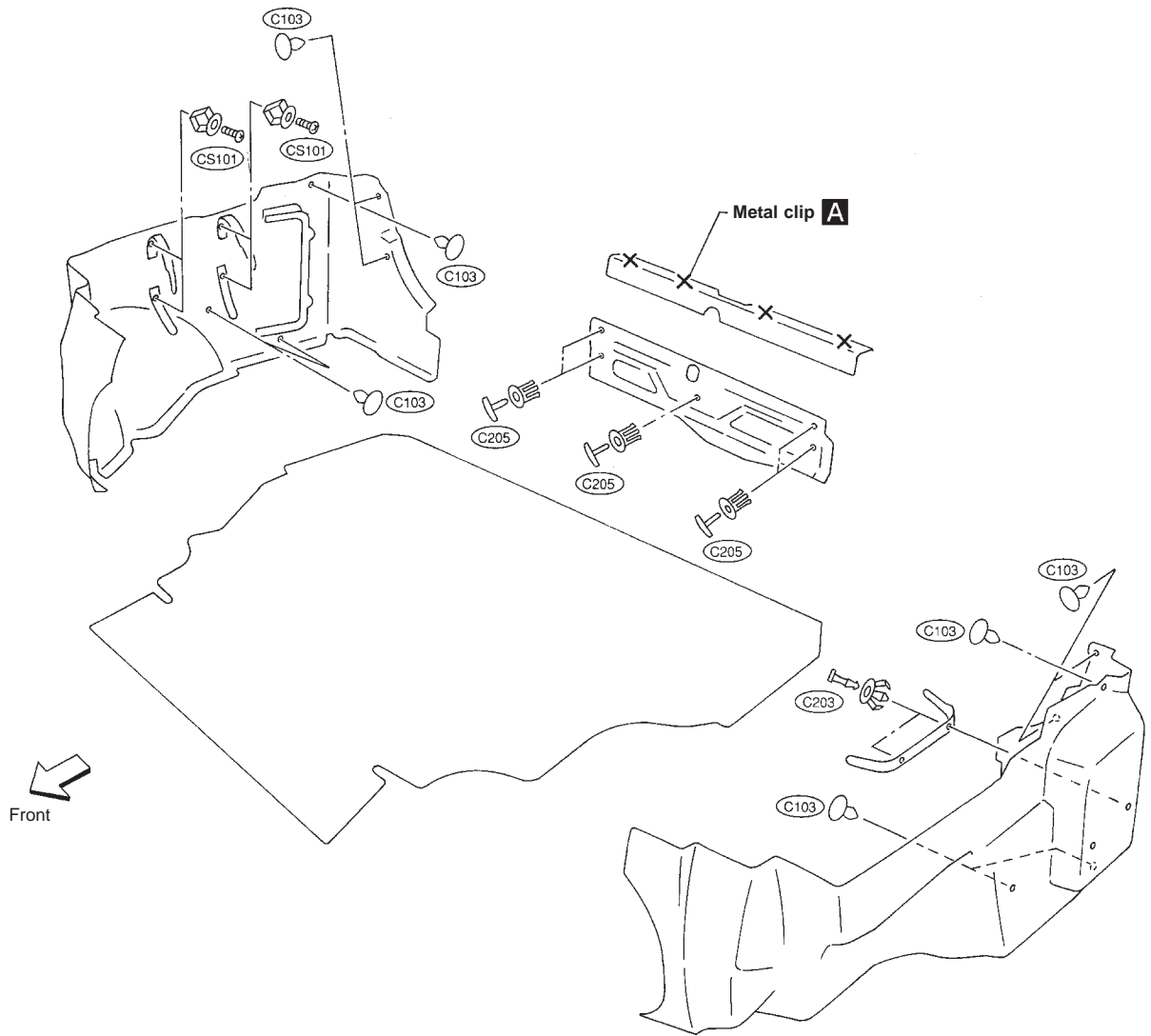


NBT045

INTERIOR TRIM

Trunk Room Trim

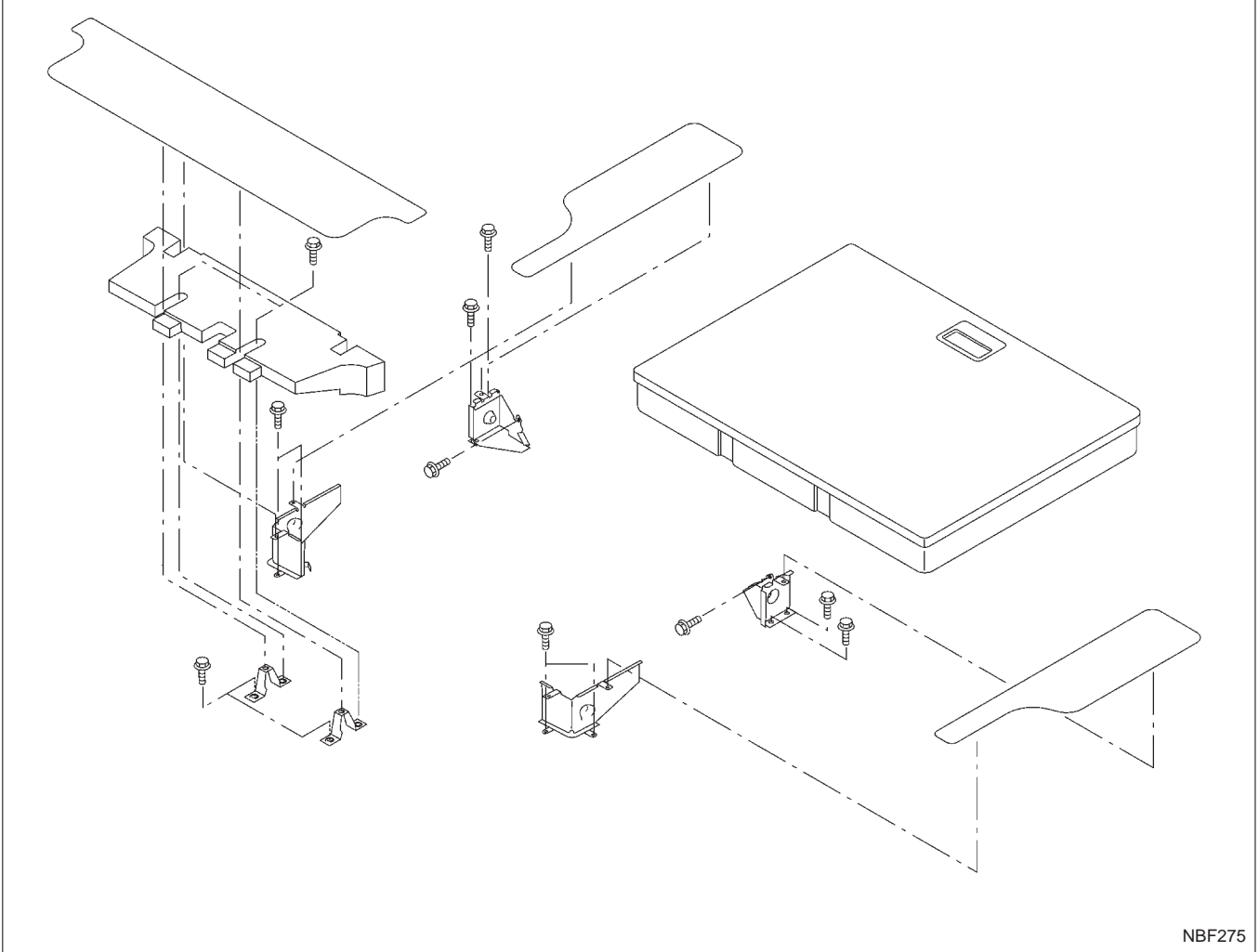
SEC. 849



YBT018

INTERIOR TRIM

Luggage Room Trim



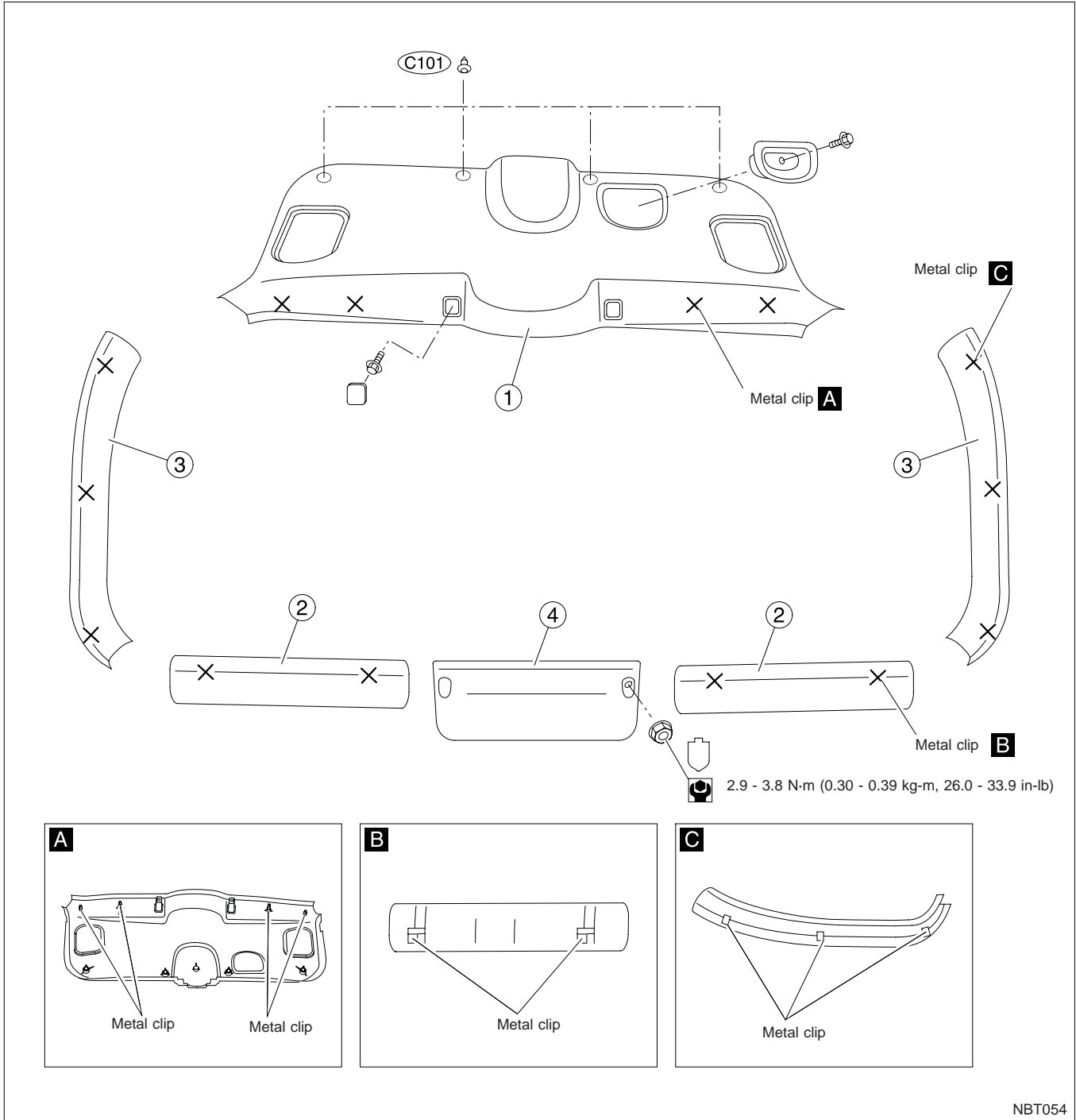
NBF275

INTERIOR TRIM

Back Door Trim

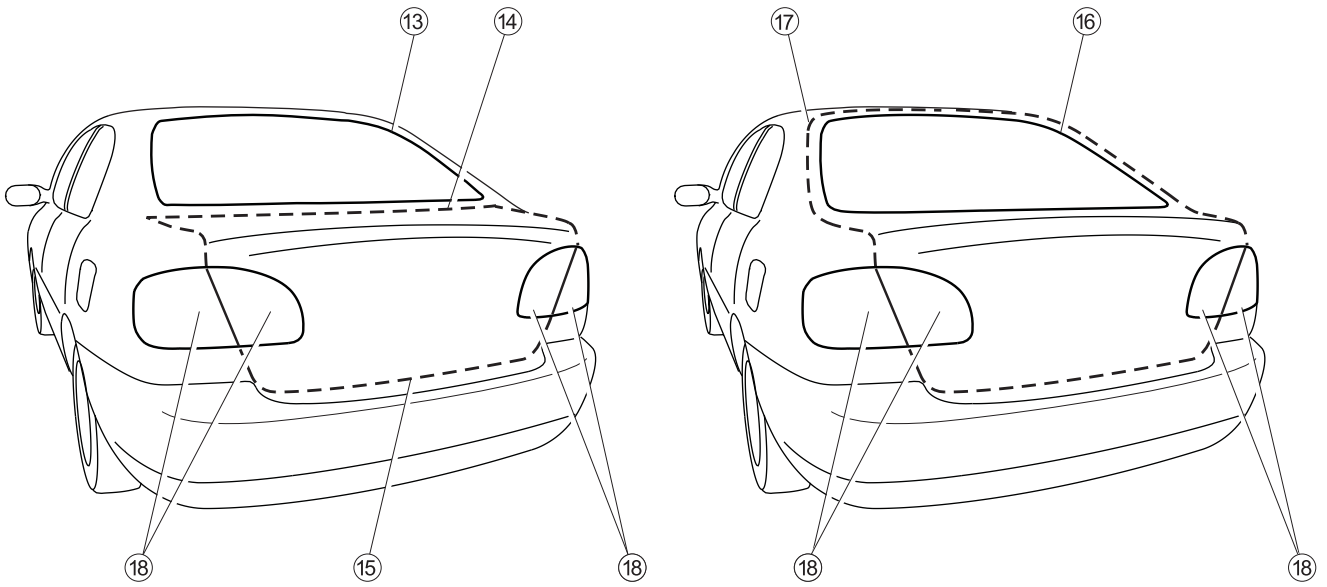
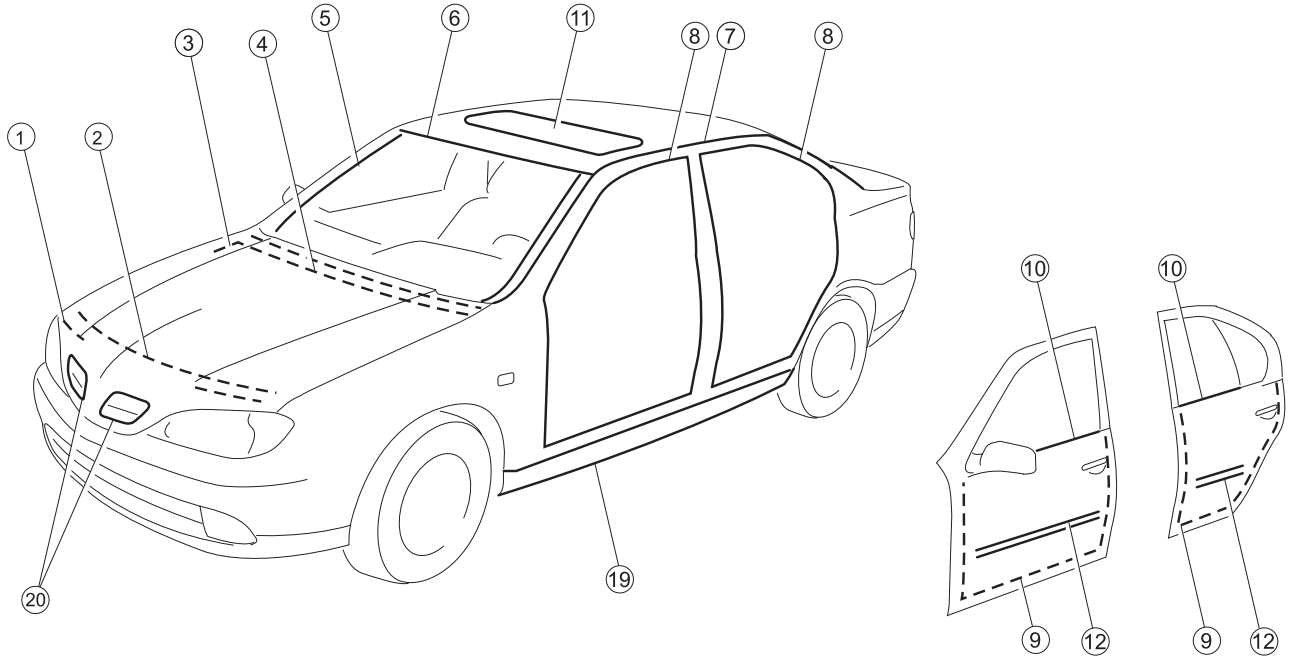
REMOVAL — Back door trim

- ① Remove back door lower finisher. **A**
- ② Remove back door upper finisher. **B**
- ③ Remove back door side finisher. **C**
- ④ Remove high-mounted stop lamp.

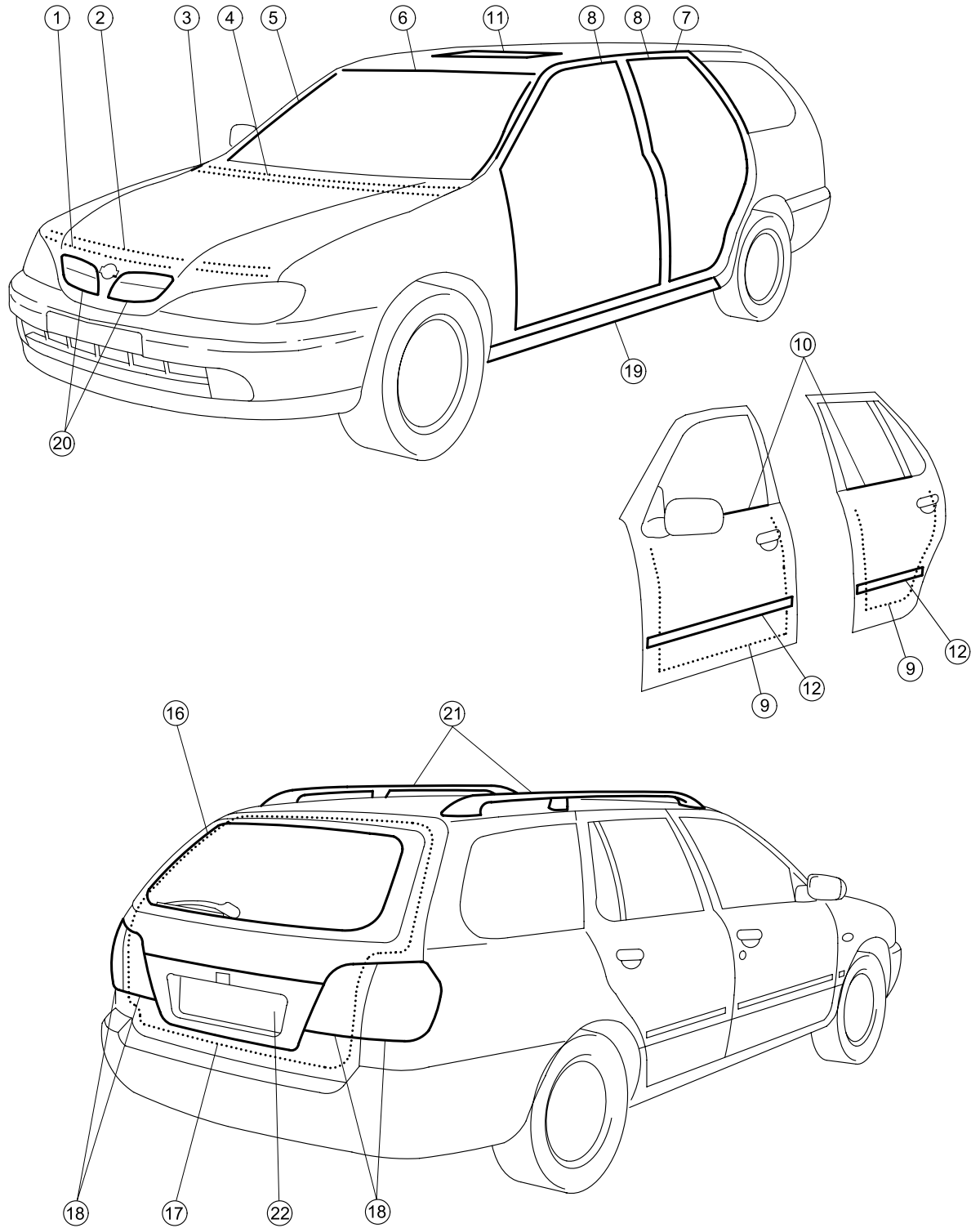


NBT054

EXTERIOR

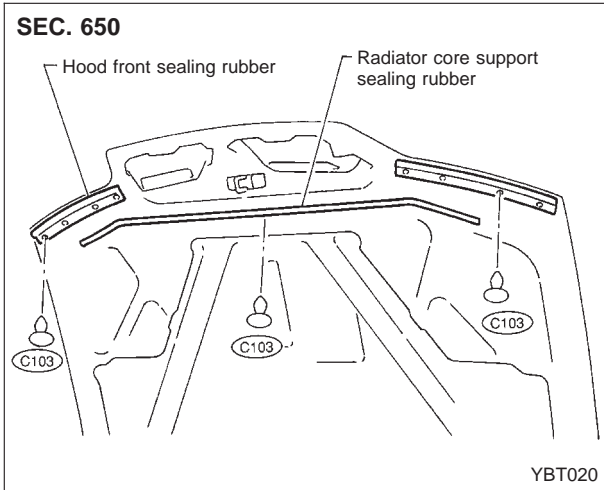


EXTERIOR

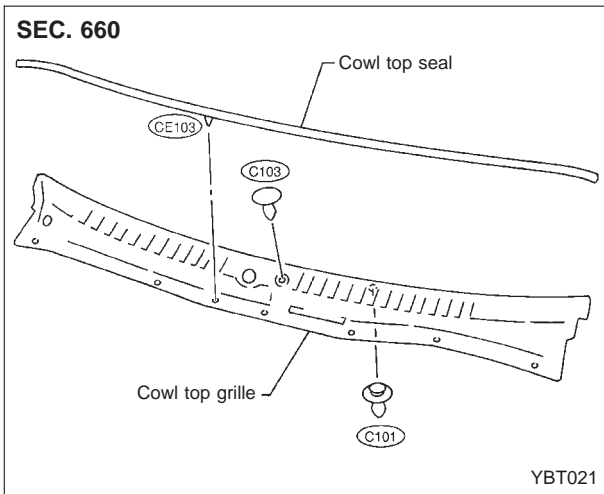


NBT052

① ② Hood front sealing rubber

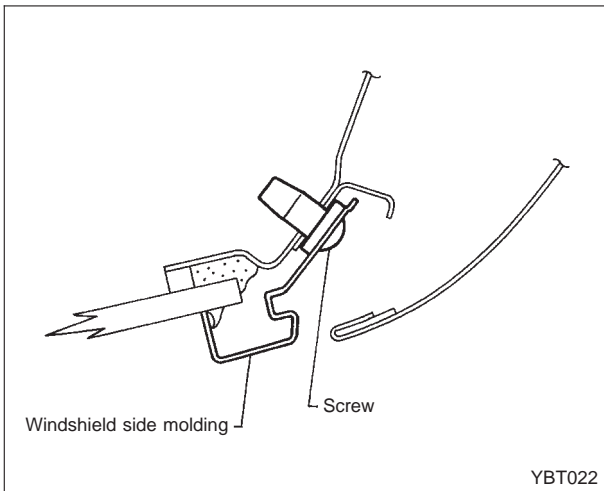


③ ④ Cowl top seal and cowl top grille



⑤ Windshield side molding

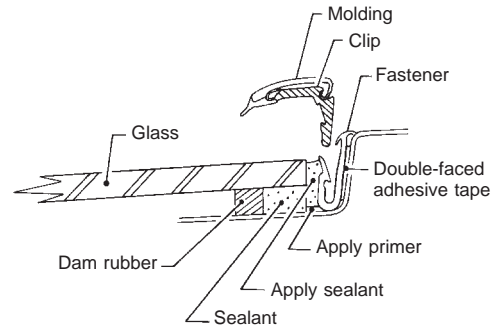
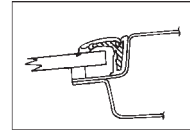
Mounted with screws.



⑥ Windshield upper molding

SEC. 720

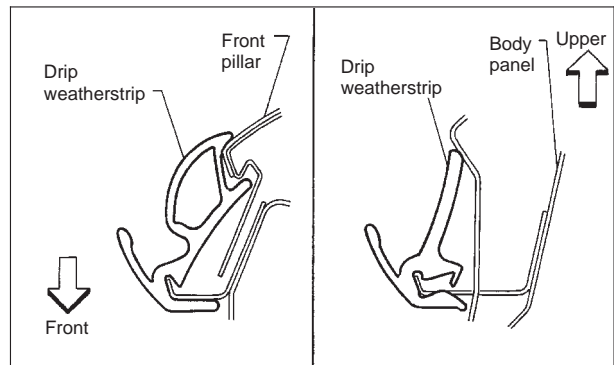
1. Cut off sealant at glass end.
2. Clean the side on which panel was mounted.
3. Set molding fastener and apply primer to body panel, and apply sealant to body.



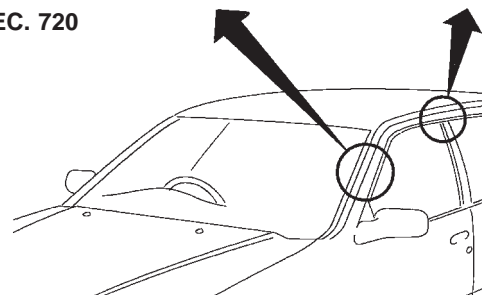
4. Install molding by aligning the molding mark located on center with vehicle center. Be sure to install tightly so that there is no gap around the corner.

SBF342H

⑦ Drip weatherstrip

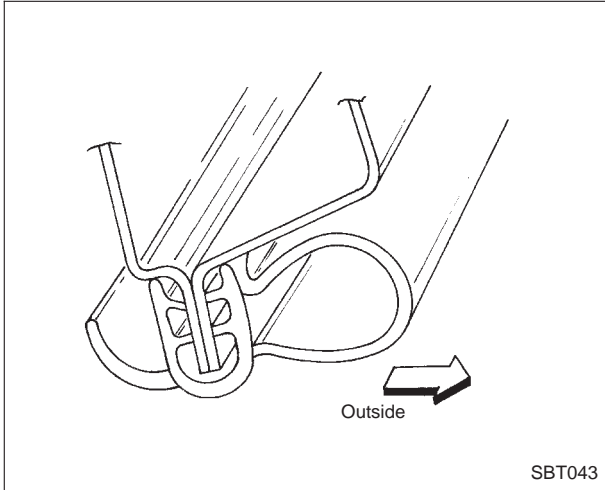


SEC. 720

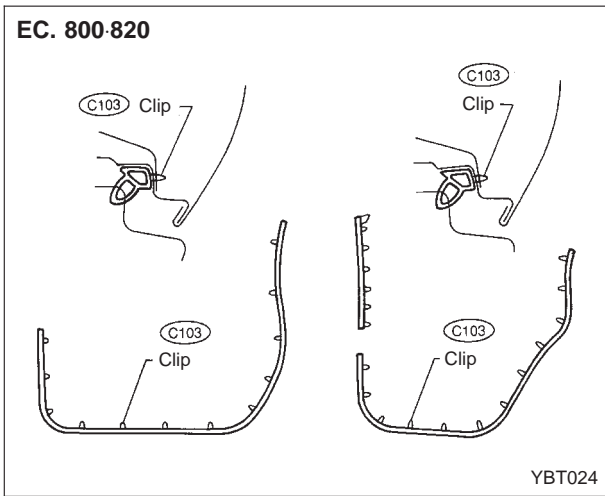


NBT058

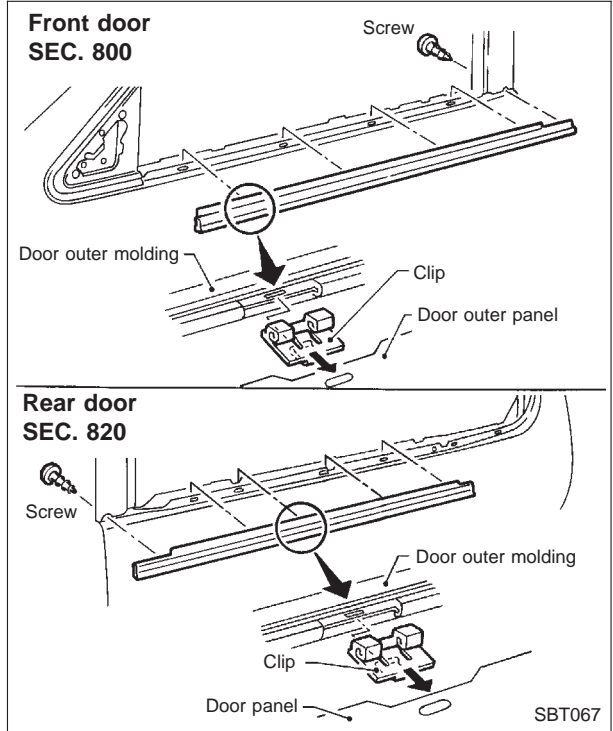
⑧ Body side welt



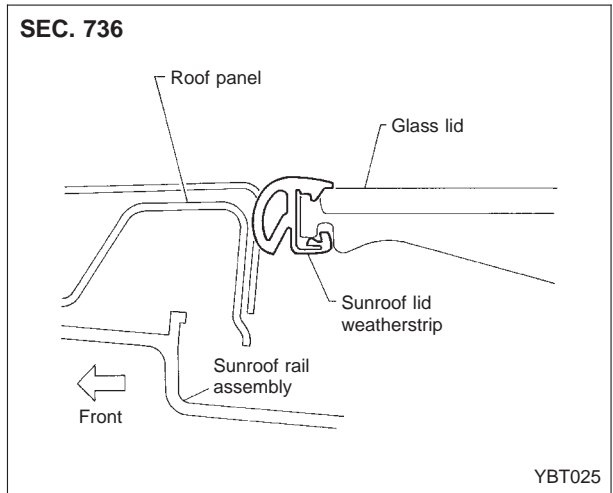
⑨ Door weatherstrip



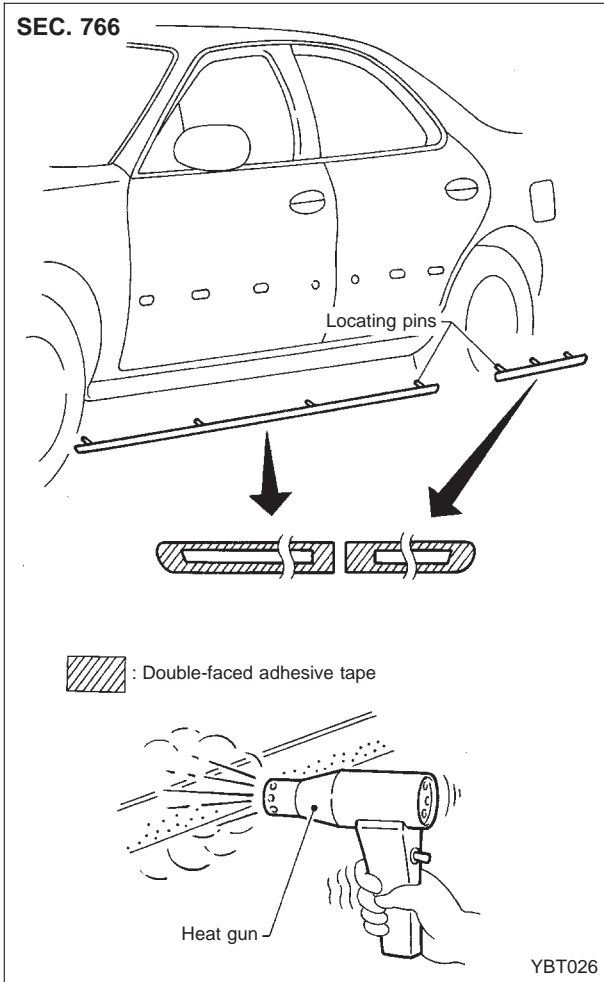
⑩ Door outside molding



⑪ Sunroof lid weatherstrip



⑫ Side guard molding

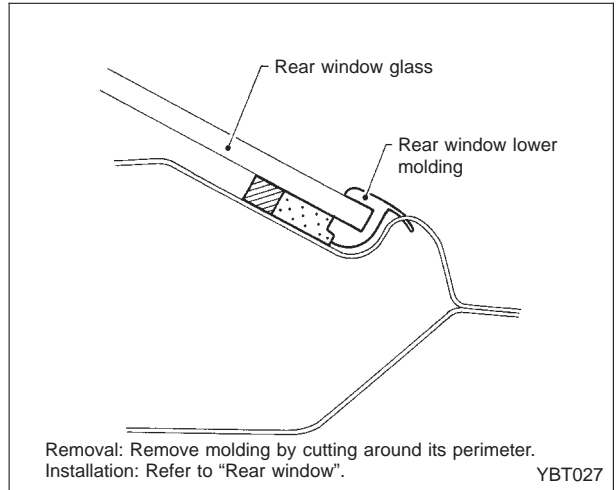


- With a vehicle coated with Hard Clear Coat, use double-faced 3M adhesive tape Product No. 5572 or equivalent, after priming with 3M primer Product No. N-200 or C-100 or equivalent.

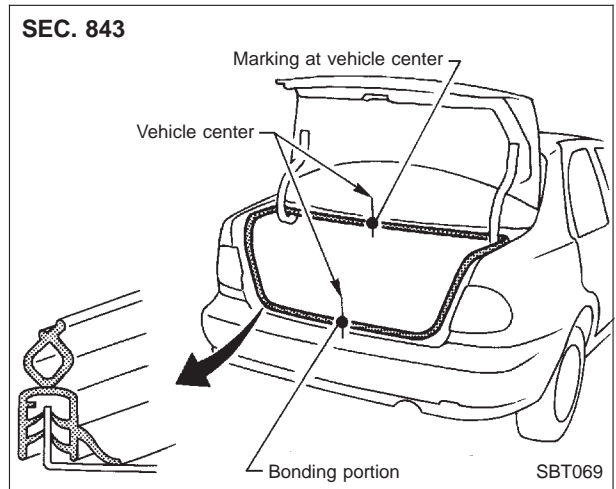
⑬ Rear window upper molding

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

⑭ Rear window lower molding

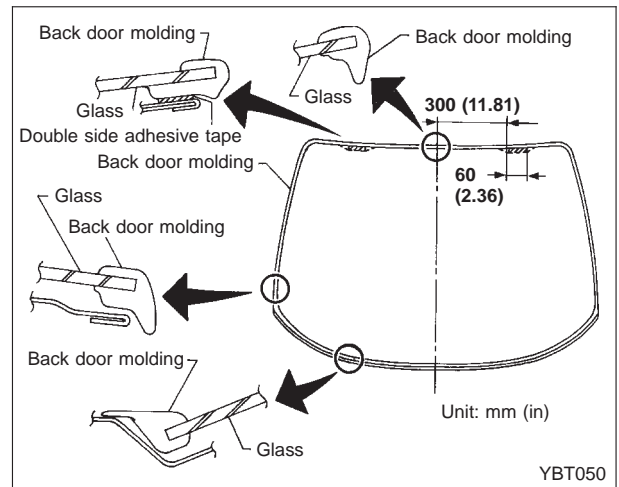


⑮ Trunk lid weatherstrip



⑯ Back door window molding

5-door hatchback

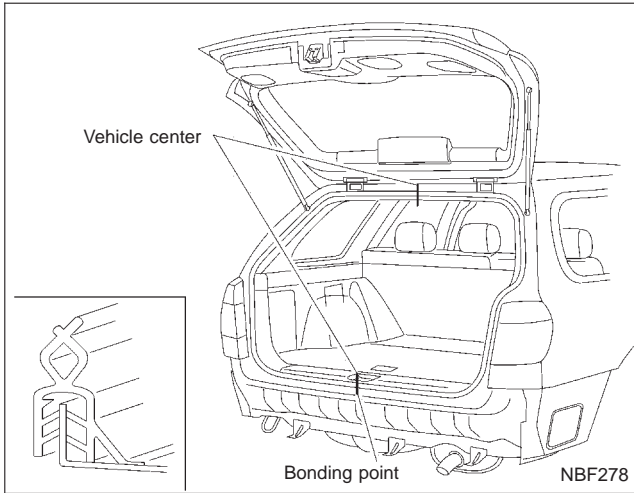


Wagon

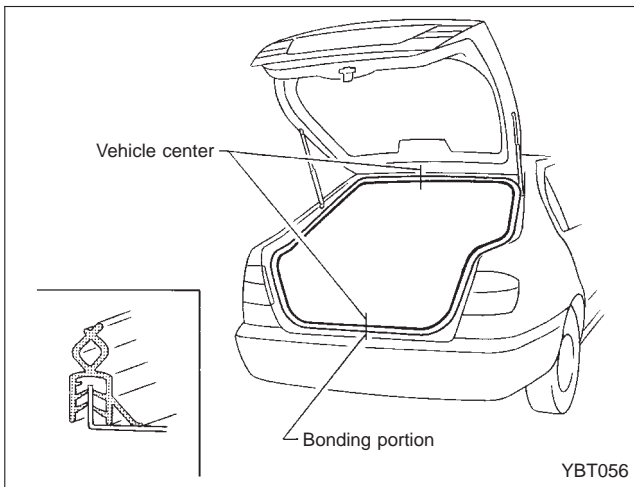
See "Back door window". Refer to BT-57.

⑰ Back door weatherstrip

Wagon



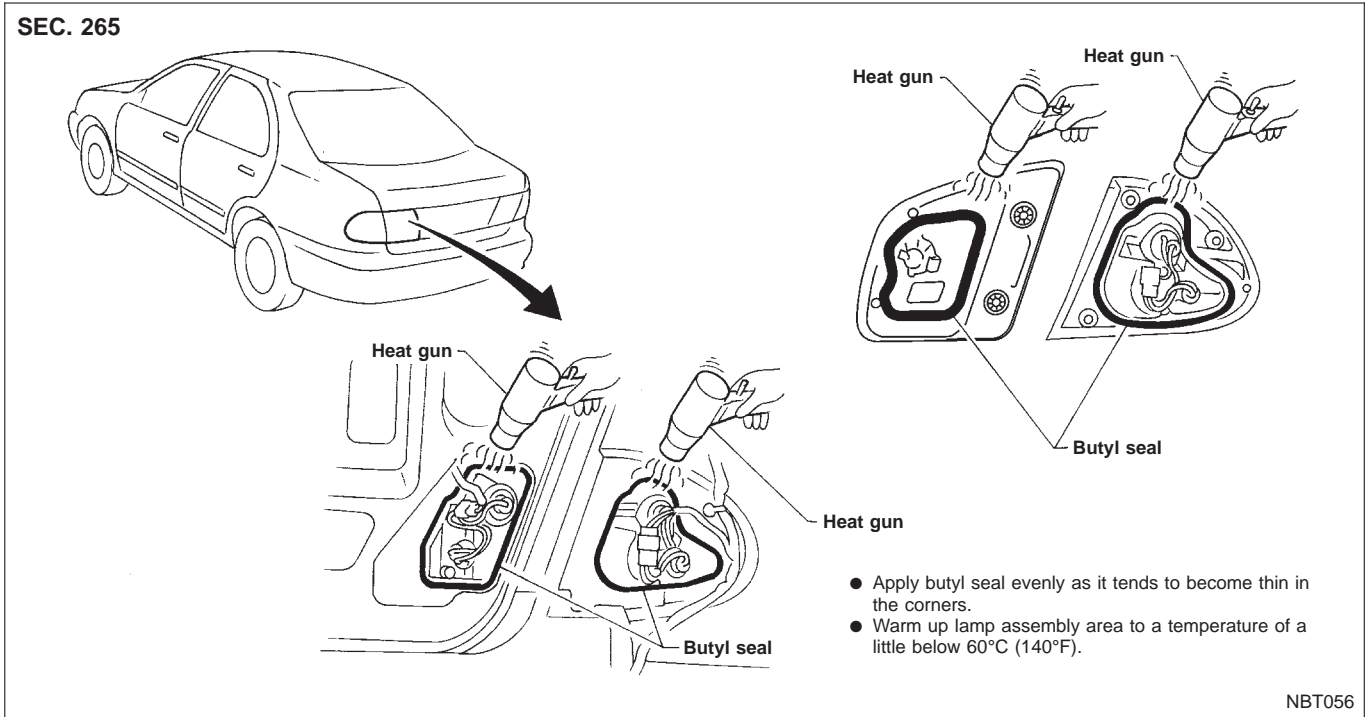
5-door hatchback



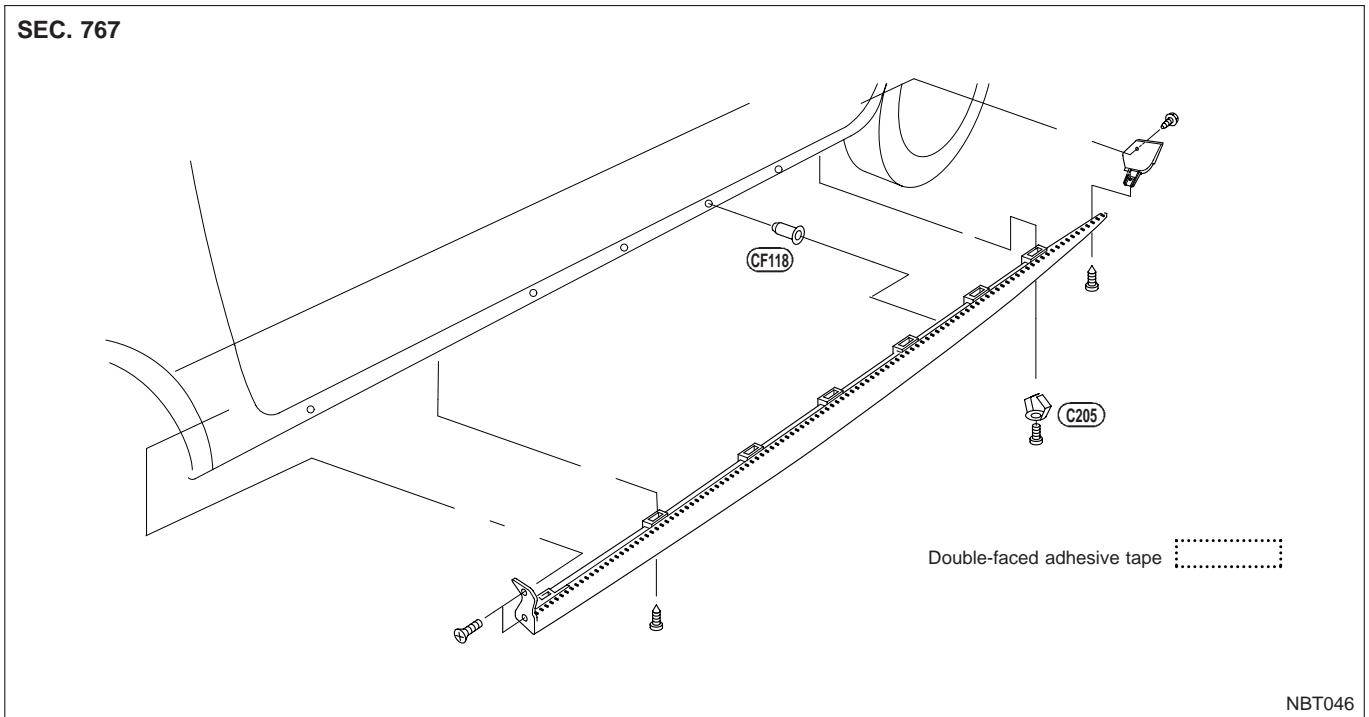
EXTERIOR

⑱ Rear combination lamp

- Rear combination lamps are installed with nuts and butyl sealant.
- When removing inside rear combination lamp (installed on back door), first remove “Back door finisher”. Refer to ⑳ Back door finisher.

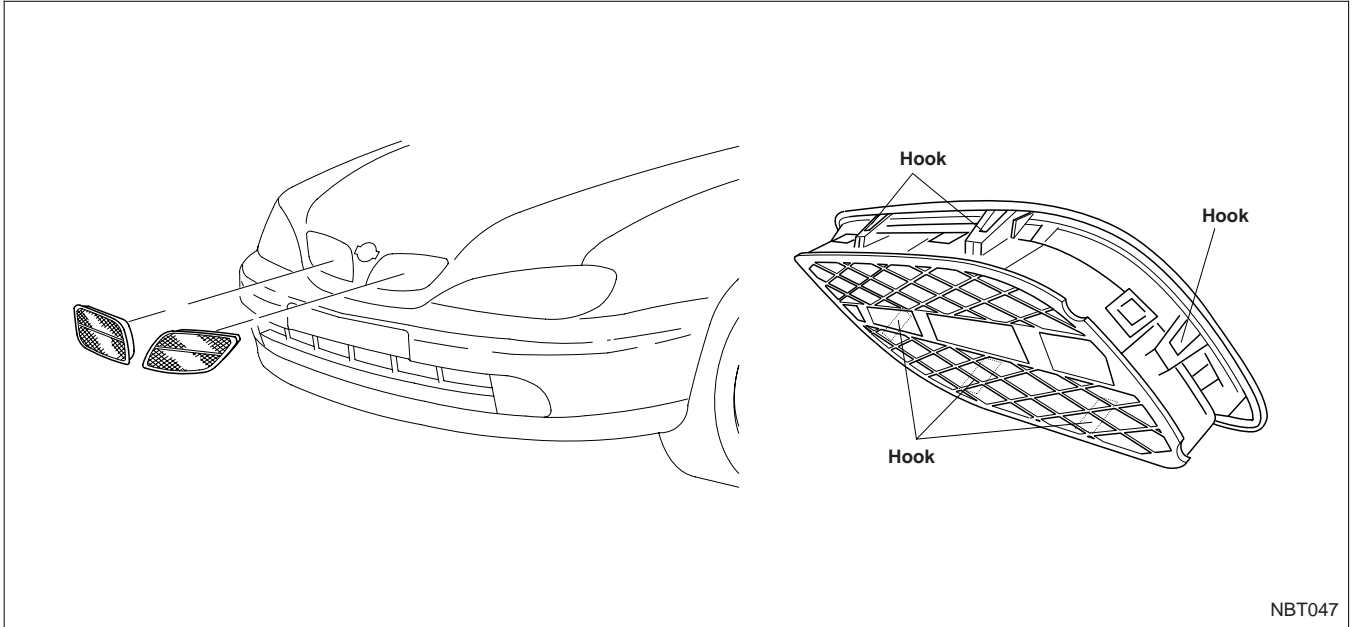


⑲ Center mud guard

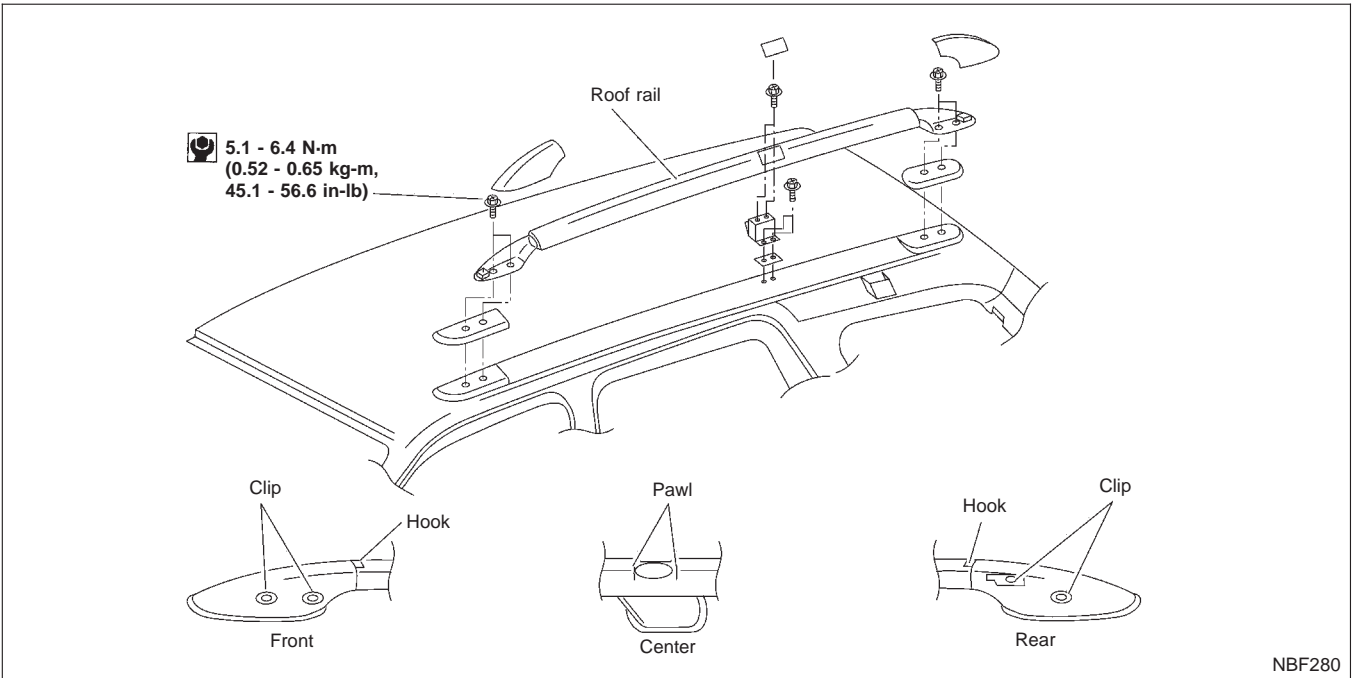


EXTERIOR

⑳ Front hood grille

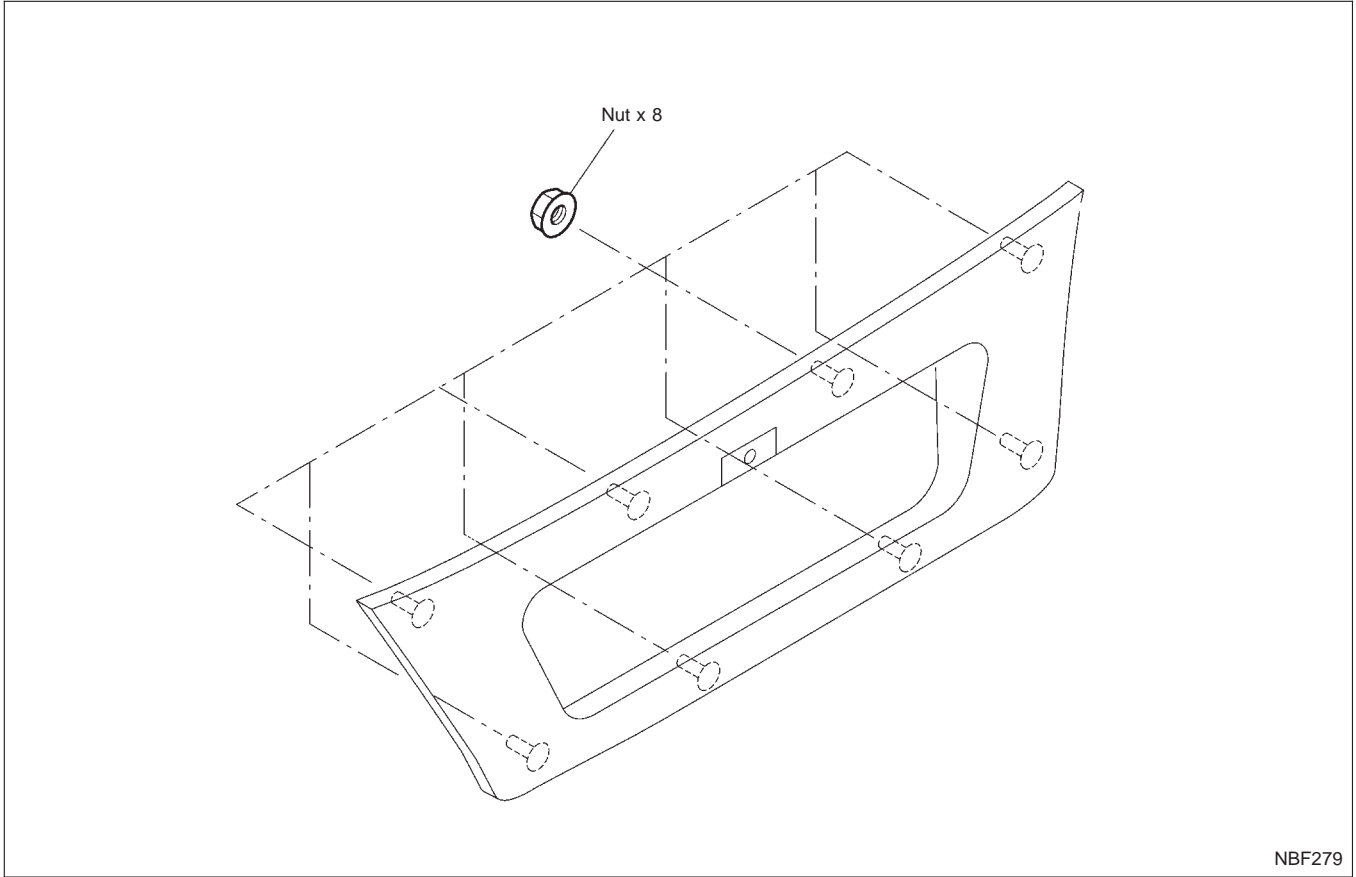


㉑ Roof rail



EXTERIOR

22 Back door finisher

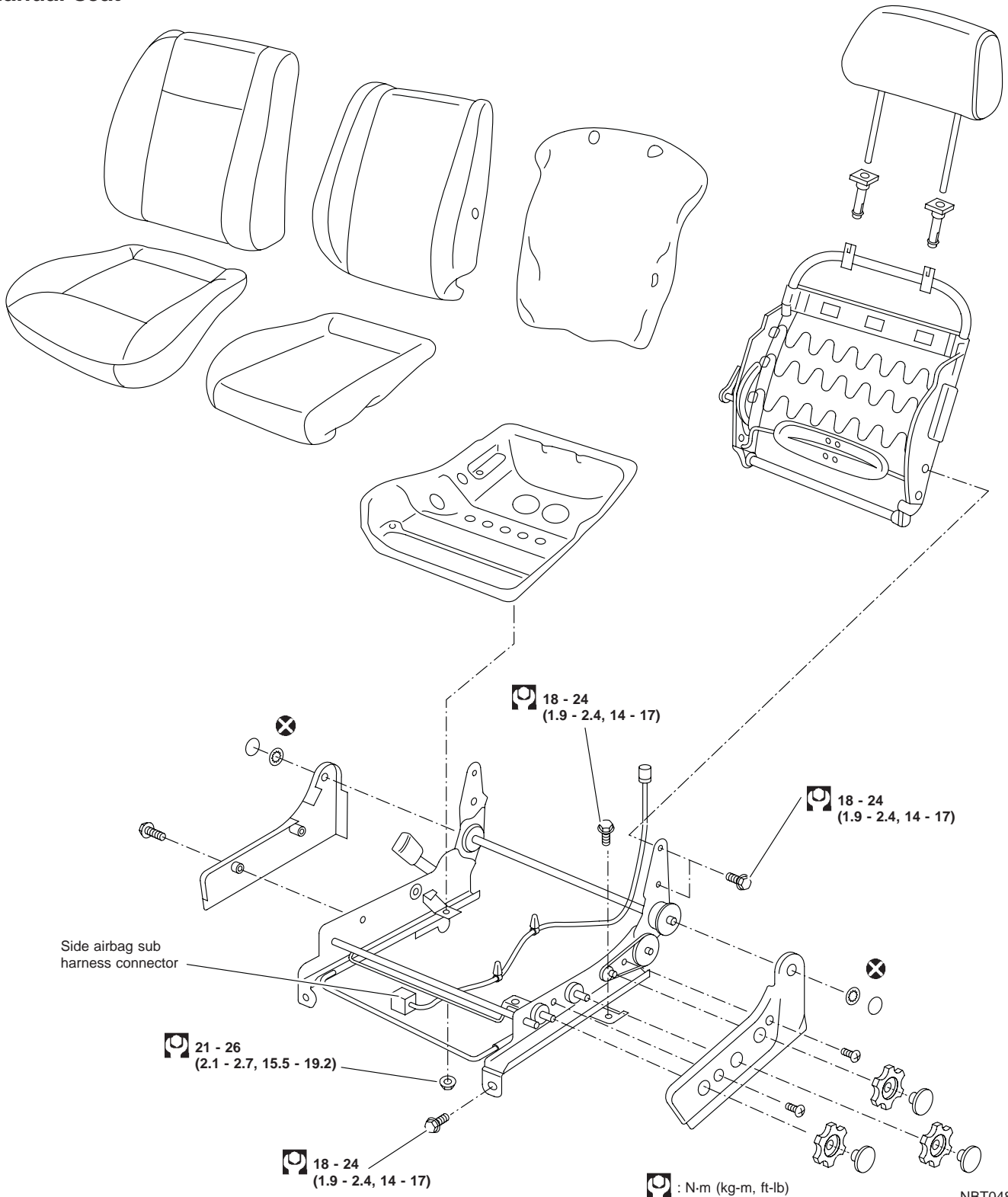


SEAT

- When removing or installing seats with side air bag module, be sure to disconnect or connect side air bag sub harness connector.
- When removing or installing the seat trim, handle it carefully to keep dirt out and avoid damage.
- ★ For Wiring Diagram, refer to “POWER SEAT” in EL section.

Front Seat

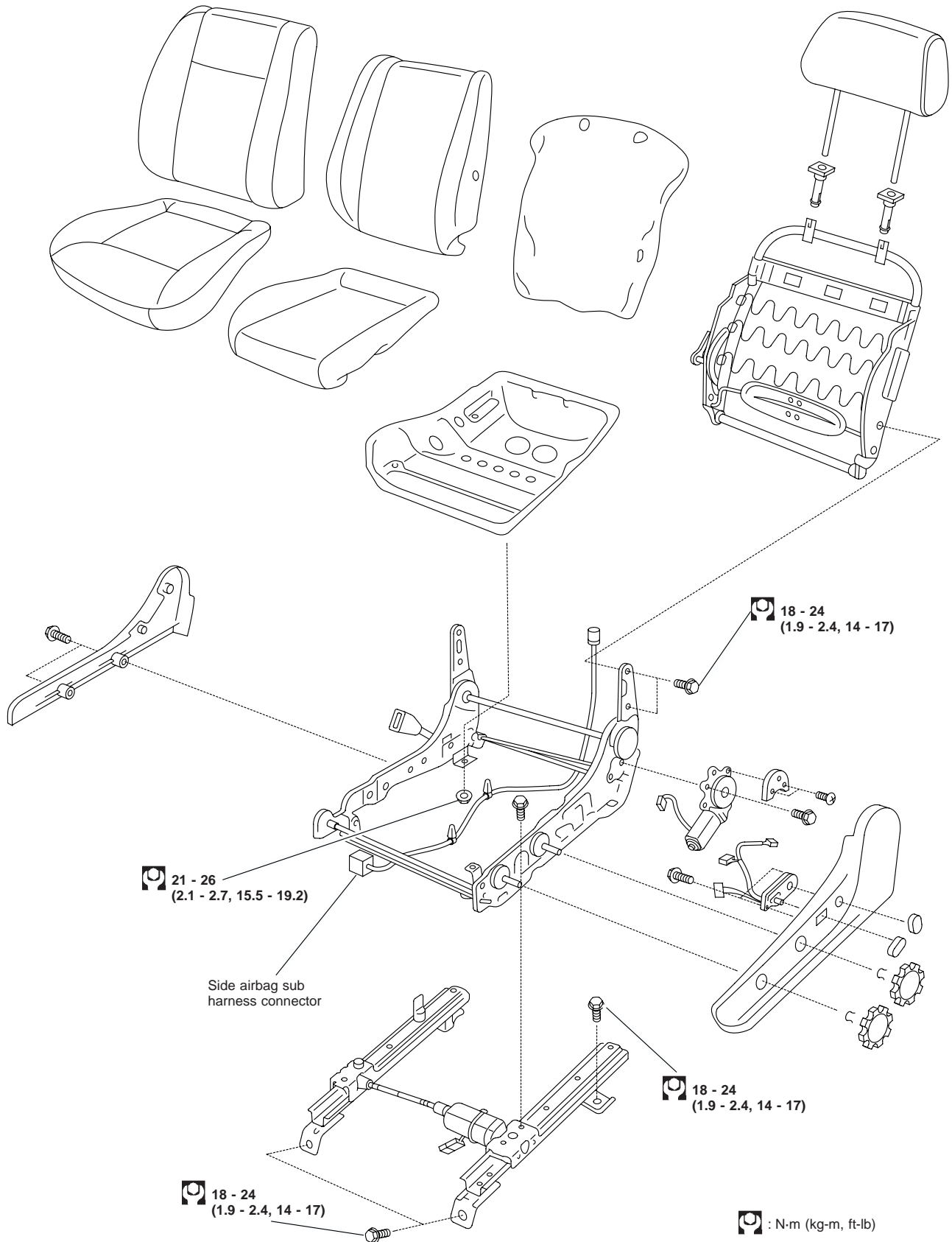
Manual seat



NBT048

Front Seat (Cont'd)

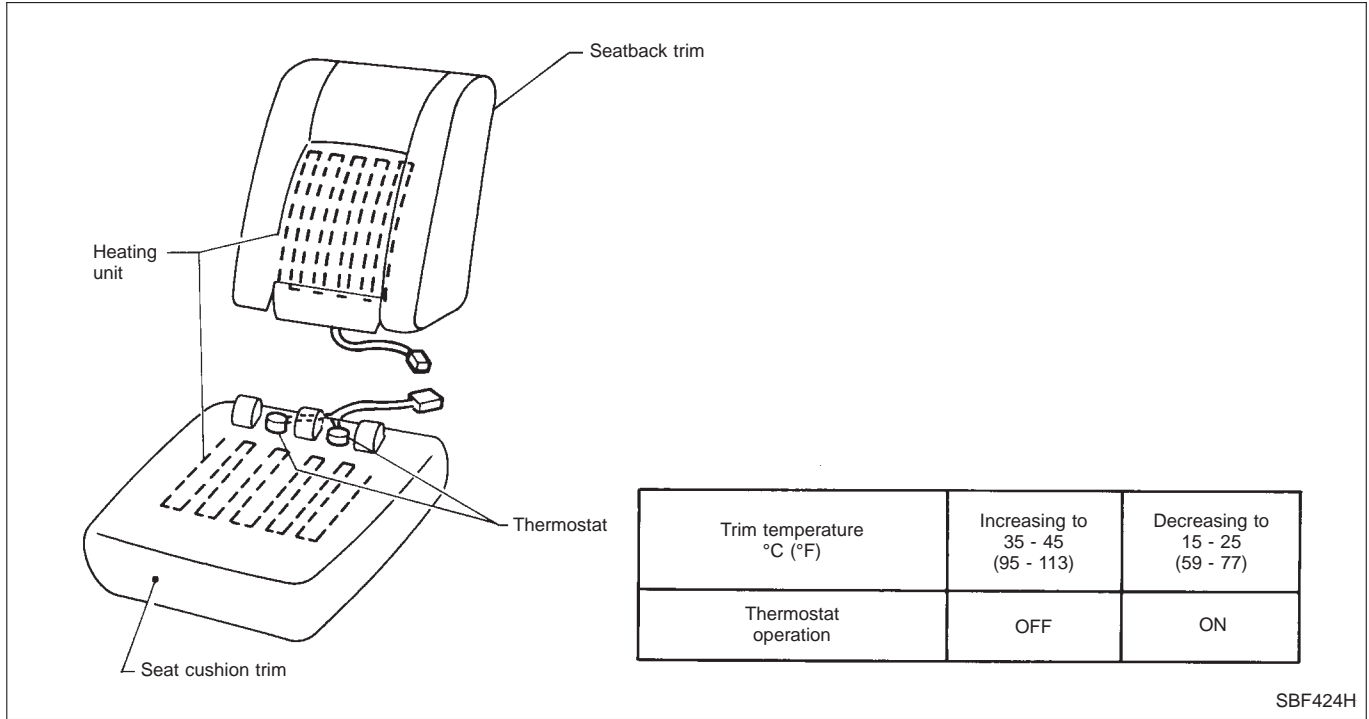
Power Seat



Heated Seat

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

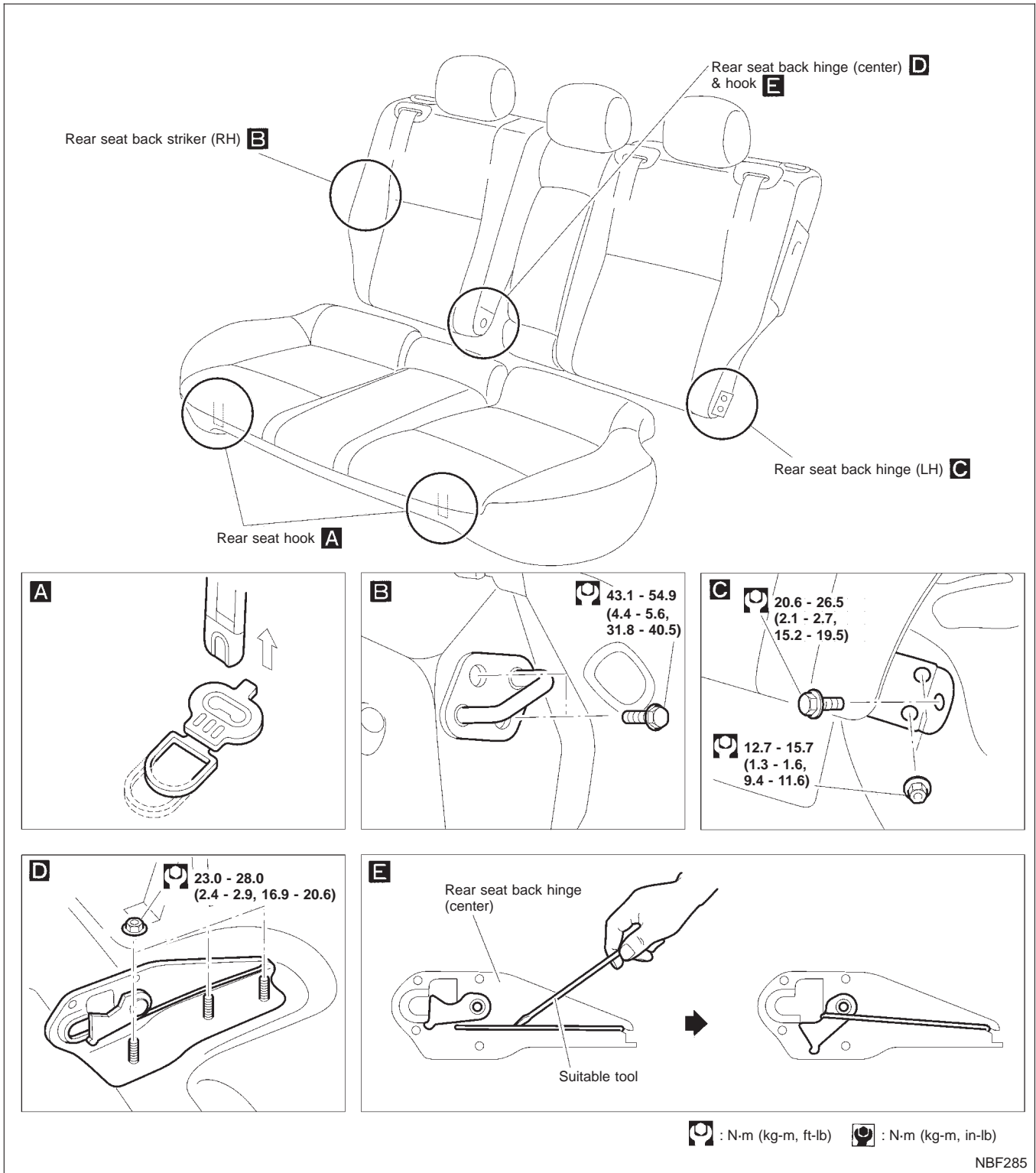
Seatback heating unit removal & installation



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

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

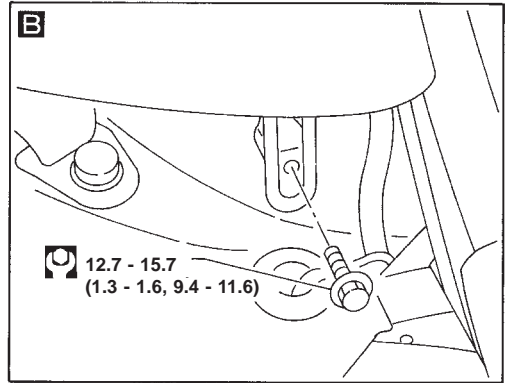
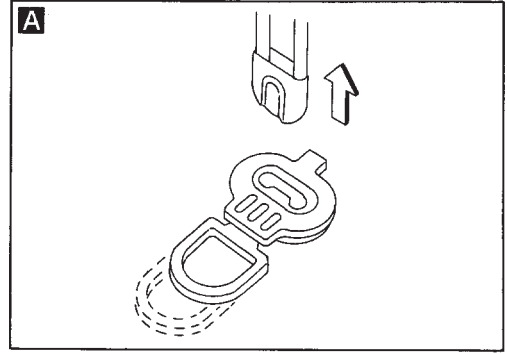
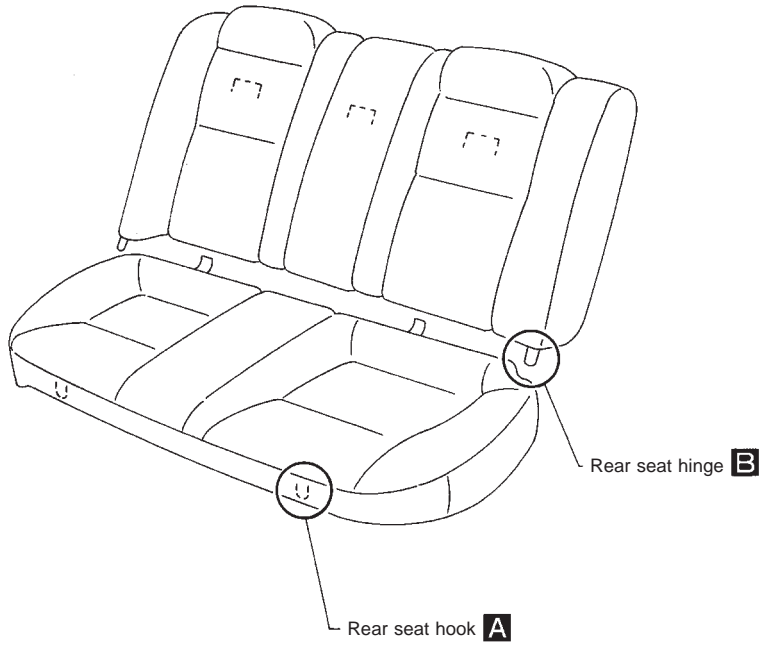
Rear Seat



SEAT

Rear Seat (Cont'd)

Type 1
SEC. 880

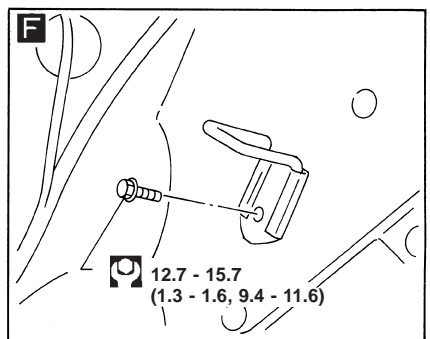
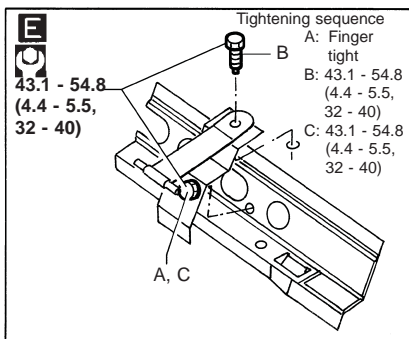
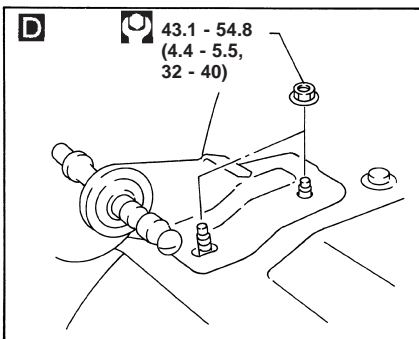
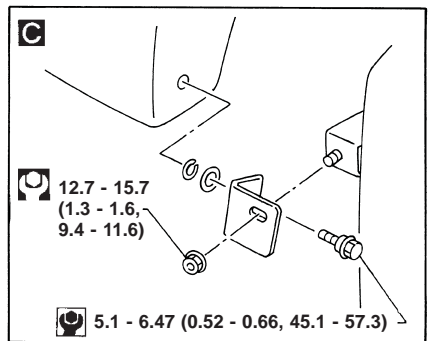
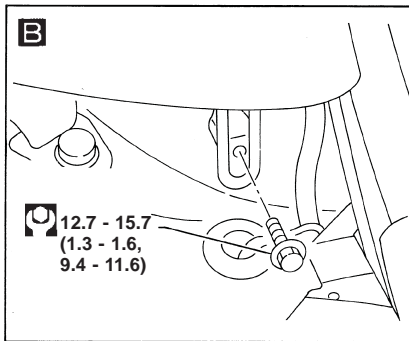
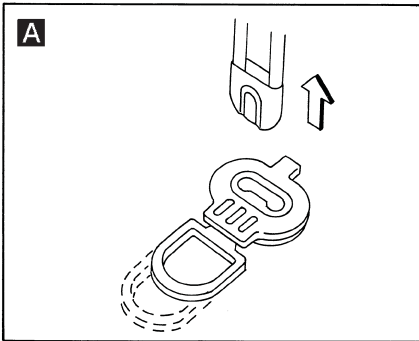
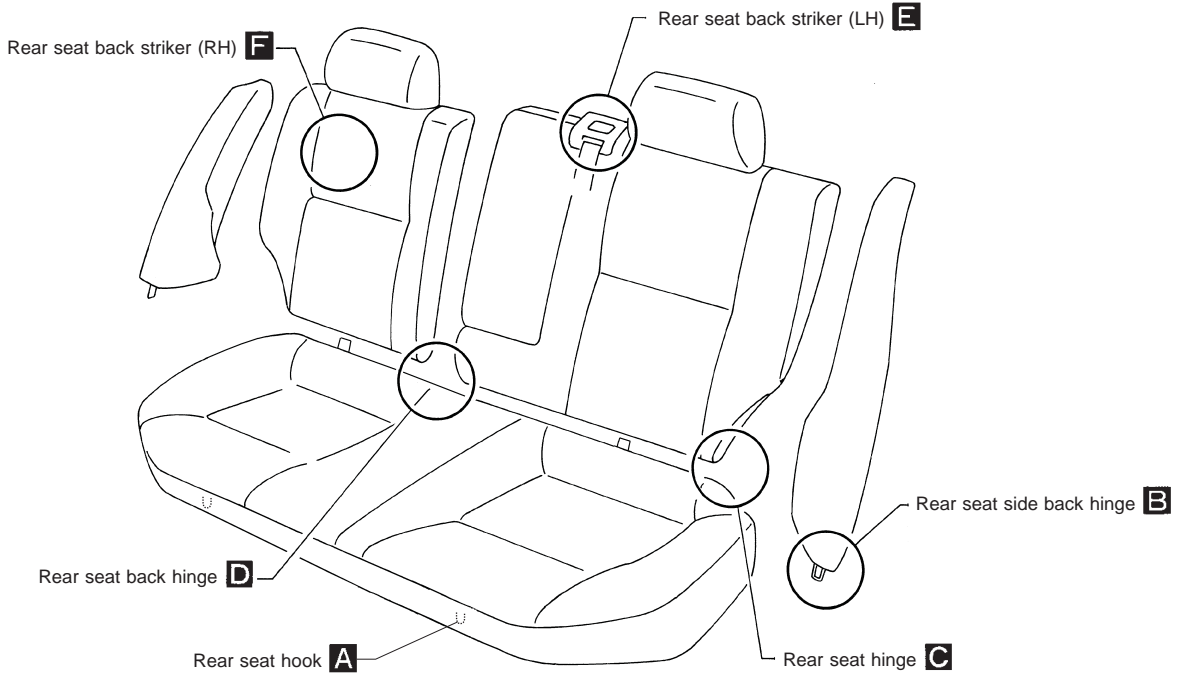


A : N-m (kg-m, ft-lb)

YBT054

Rear Seat (Cont'd)

Type 2
SEC. 880



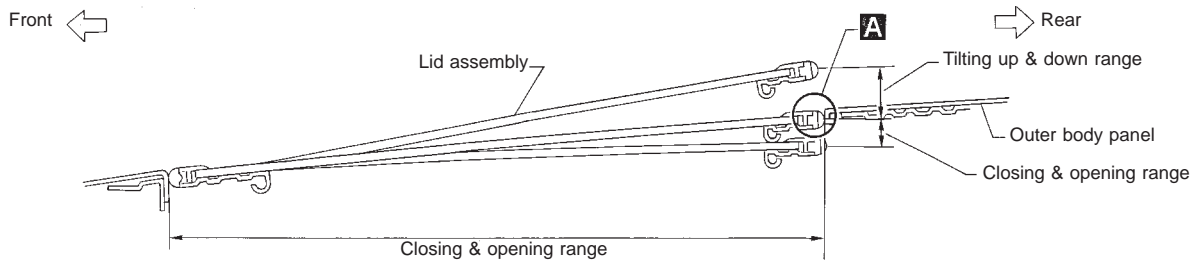
: N-m (kg-m, ft-lb)
 : N-m (kg-m, in-lb)

NBT057

ADJUSTMENT

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

1. Arrange equal lengths of link and wire assemblies on both sides of sunroof opening.
2. Connect sunroof connector to sunroof switch and positive (+) power supply.
3. Set lid assembly to fully closed position **A** by operating open/tilt sunroof switch.
4. Fit outer side of lid assembly to the surface of roof on body outer panel.
5. Remove motor, and keep sunroof switch pressed to rear side 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 front side of sunroof switch to check lid assembly for normal tilting.
9. Check sunroof lid assembly for normal operations (tilt-up, tilt-down, open, and close).



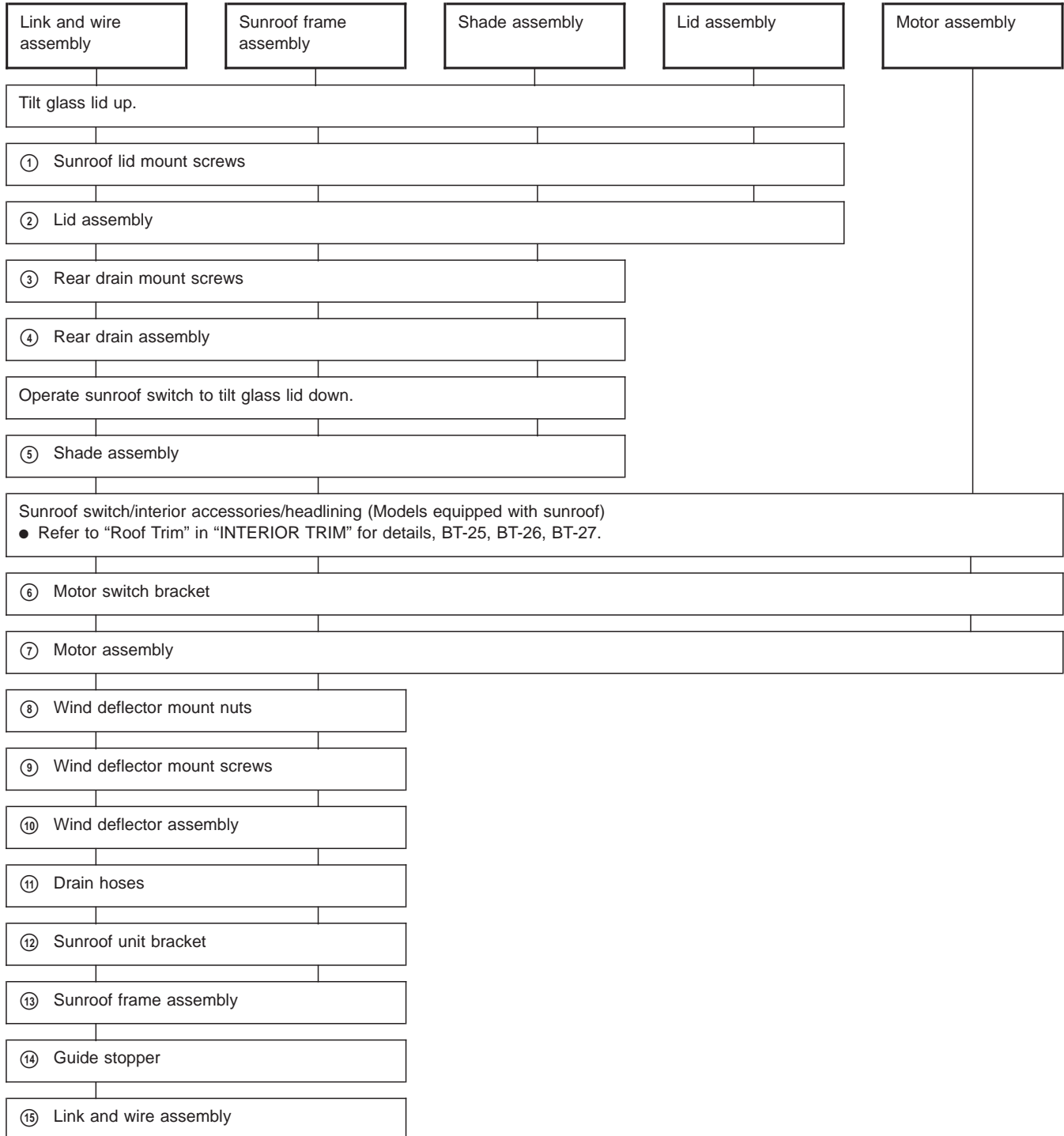
SBF920F

REMOVAL

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

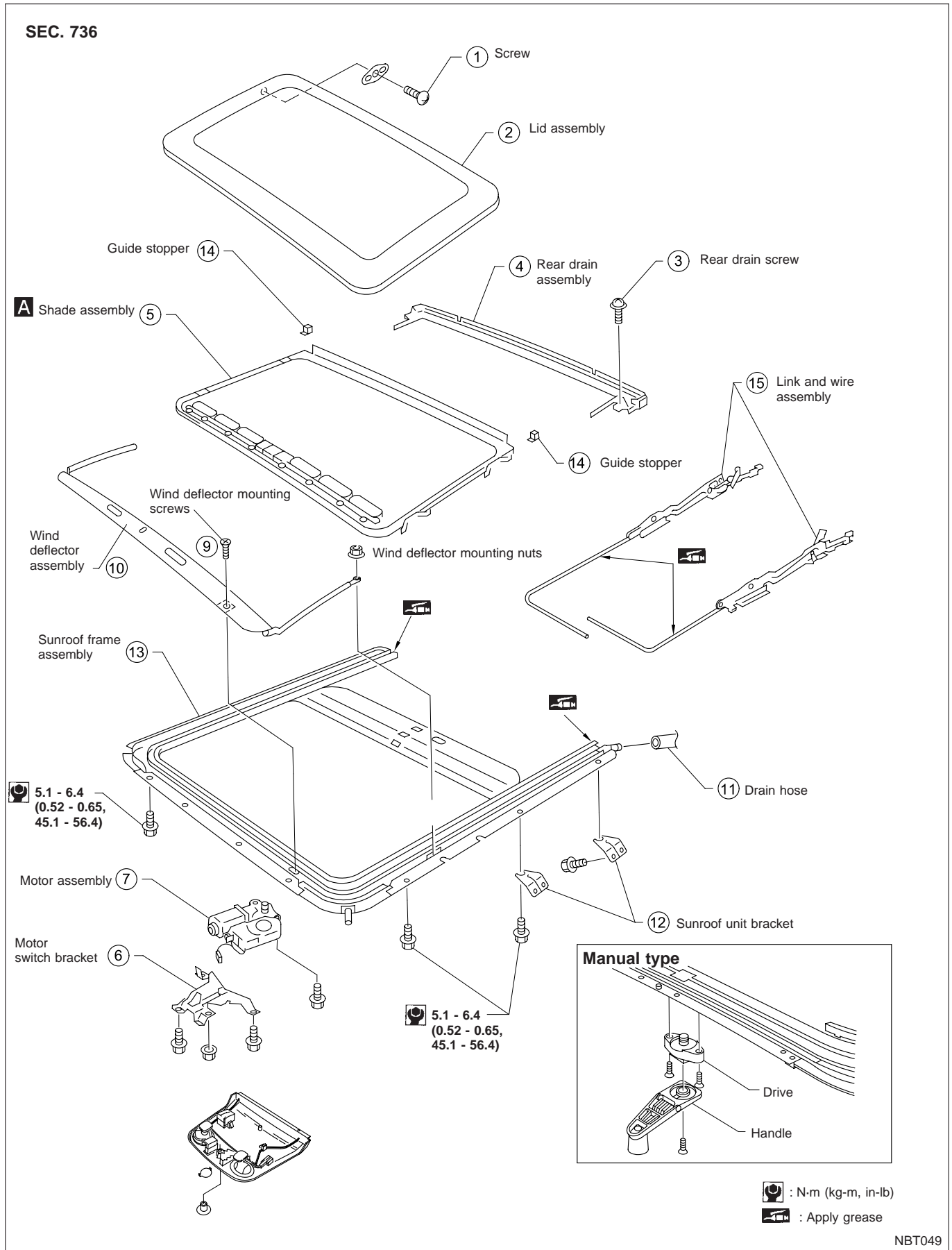
CAUTION:

Always work with a helper.

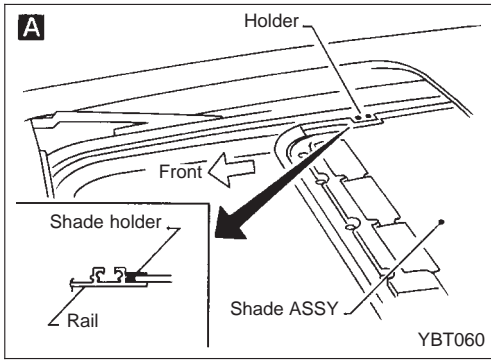


SUNROOF

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



SUNROOF



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

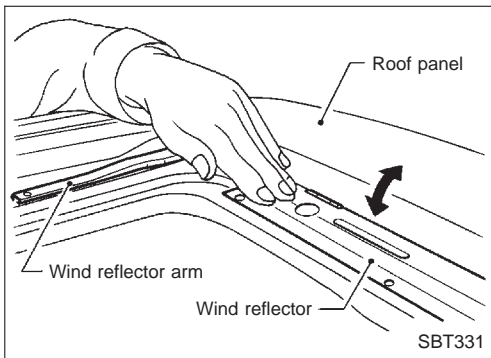
Trouble Diagnoses

DIAGNOSTIC TABLE

NOTE: For diagnosing electric problem, refer to “ELECTRIC SUNROOF” in EL section.

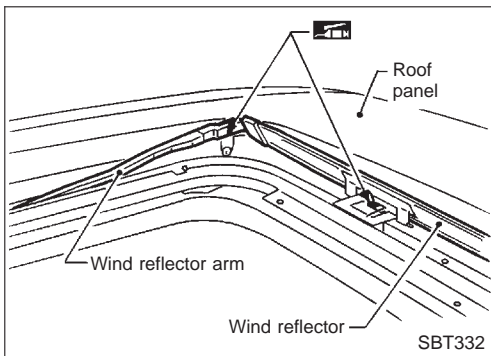
		Check item (Components)				
		Wind deflector	Adjustment	Drain hoses	Weatherstrip	Link and wire assembly
	Reference page	BT-49	BT-50	BT-51	BT-51	BT-52
Symptom	Excessive wind noise	1	2		3	
	Water leaks		1	2	3	
	Sunroof rattles		1	4	2	3
	Excessive operation noise		1		2	3

The numbers in this table mean checking order.



WIND DEFLECTOR

1. Open 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-47). If wind deflector is damage, replace with new one. If wind deflector is not damage, re-install properly.

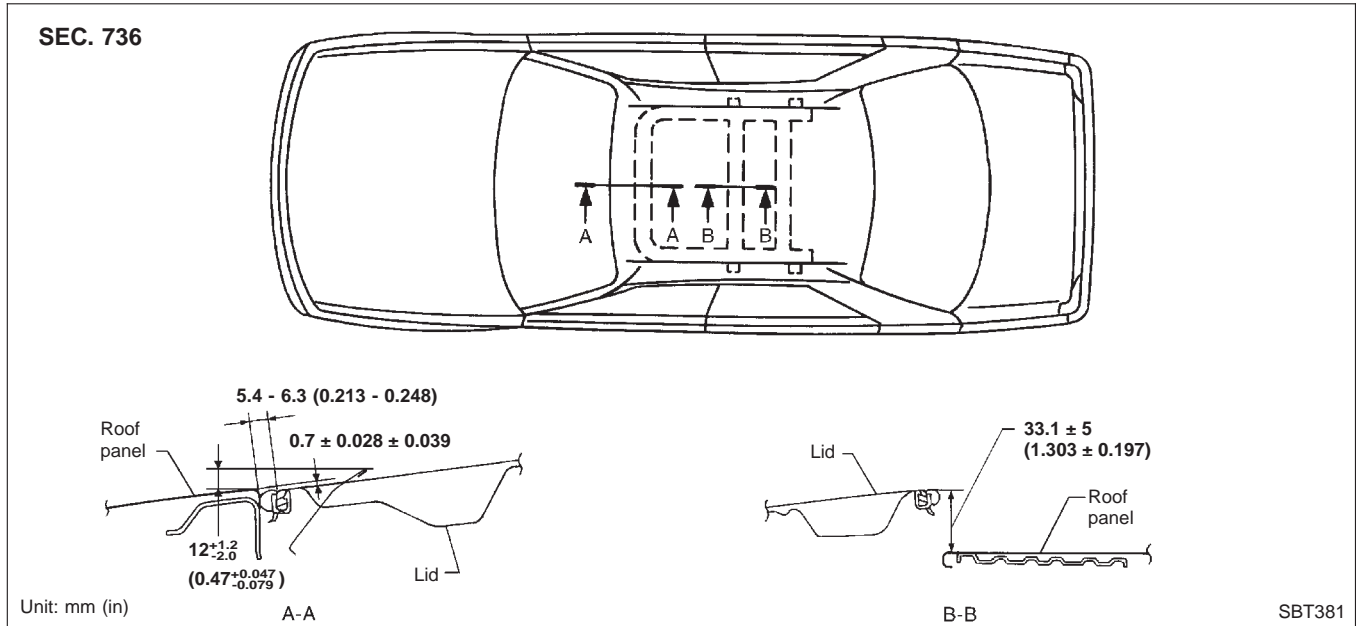


SUNROOF

Trouble Diagnoses (Cont'd)

ADJUSTMENT

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



Gap Adjustment

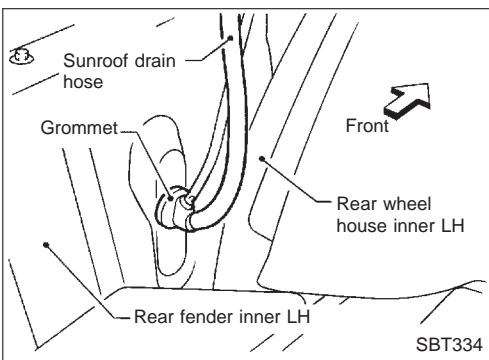
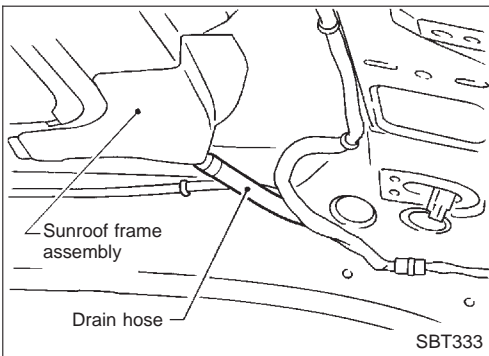
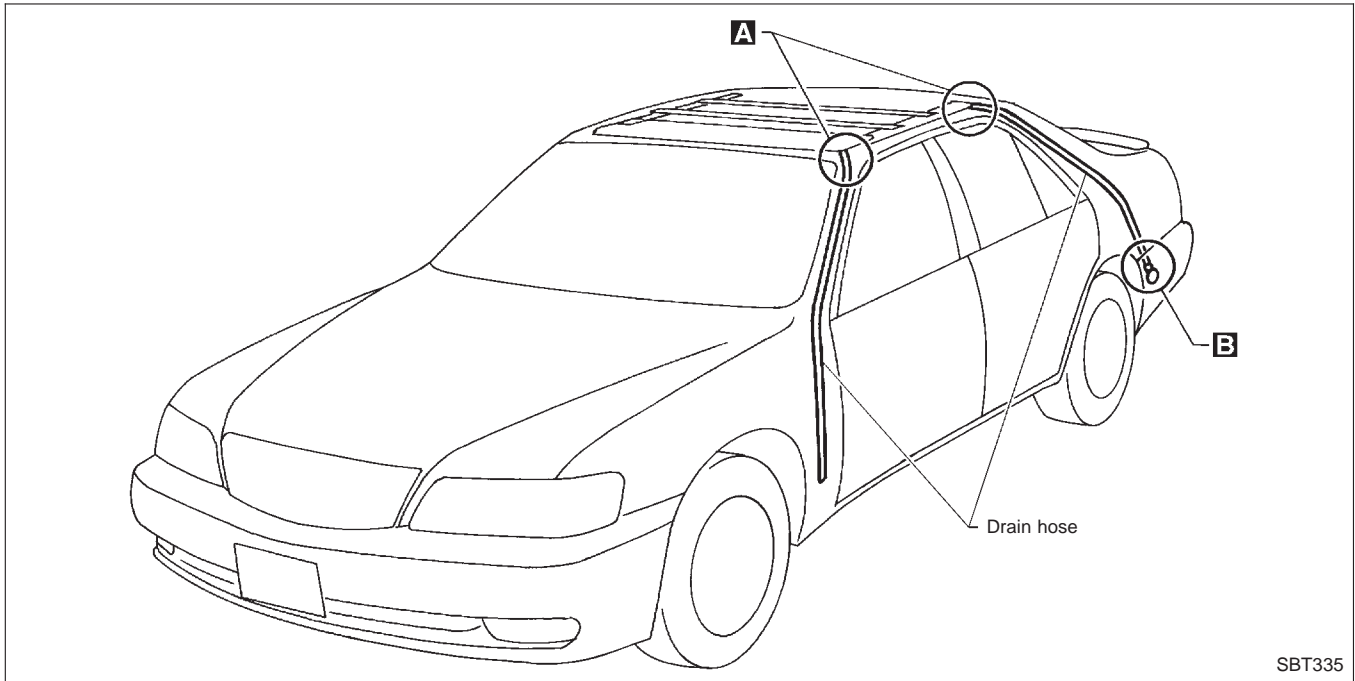
1. Remove shade assembly. (Refer to removal procedures BT-47, for details).
2. Tilt lid up.
3. Loosen lid securing nuts (3 each on left and right sides), then tilt lid down.
4. Adjust lid from outside of vehicle so it resembles "A-A" as shown in the figure above.
5. Tilt lid up and down until it is adjusted to "B-B" as shown in the figure above.
6. After adjusting lid, tilt lid up and tighten nuts.
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.
3. If necessary, adjust it by using one of following procedures:
 - Adjust by adding or removing adjustments shim(s) between lid and link assembly.
 - If 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



1. Remove headlining to access drain hose connections. (Refer to "REMOVAL — Headlining" in "INTERIOR TRIM", BT-25, BT-26, BT-27 for detail).
2. Check visually for proper connections, damage or deterioration. **A** (The figure shows only the front side.)
3. If leakage occur around trunk room, remove trunk room side trim and check connecting area. Check for proper connection, damage or tear. **B**
4. Pour water into drain hoses and find damaged portion.
 - If any damaged portion is found at each step, replace the damaged part.

WEATHERSTRIP

- In the case of leakage around lid, close lid and pour water over lid to find damaged or gap portion.
1. Remove lid assembly. (Refer to removal procedures, BT-47, for details).
 2. Visually check weatherstrip for proper installation. If a gap exists between lid and weatherstrip, check for sufficient amount of butyl seal. If required, remove weatherstrip and apply butyl seal.
Refer to "EXTERIOR" BT-31 for details.

SUNROOF

Trouble Diagnoses (Cont'd)

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

CAUTION:

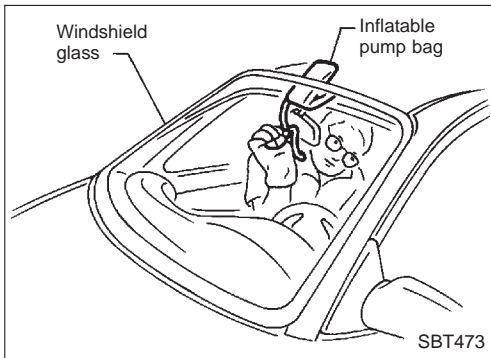
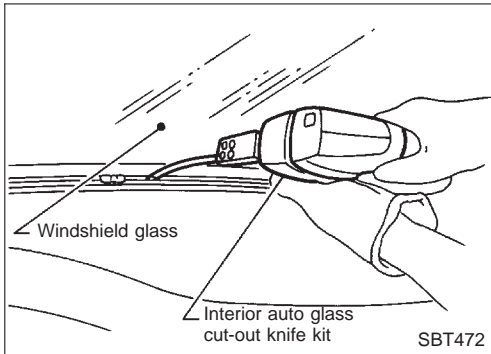
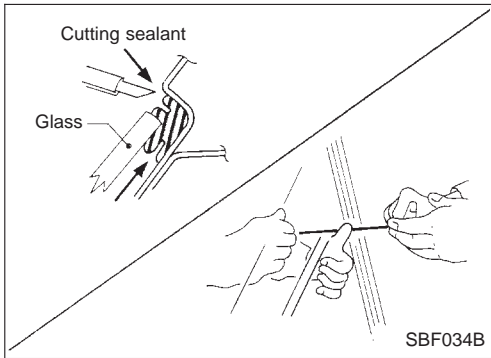
Do not remove weatherstrip except when replacing, or filling up butyl seal.

LINK AND WIRE ASSEMBLY

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

1. Check link to determine if coating film has been peeled of 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-47 for details), then replace wire.

WINDSHIELD AND WINDOWS



REMOVAL

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

WARNING:

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

INSTALLATION

- 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 urethane adhesive has completed cured (preferably 24 hours). Curing time varies with temperature and humidity.

WARNING:

- Keep heat and open flames away as primers and adhesive are flameable.
- The materials contained in the kit are harmful if swallowed, and may irritate 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.

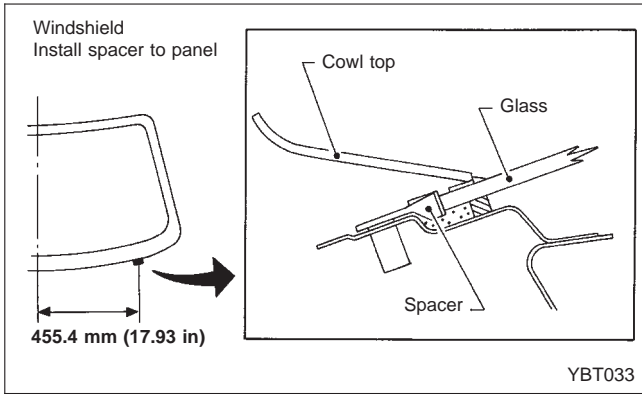
CAUTION

- 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 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 and 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 times varies depending on temperature and humidities. The curing time will increase under higher temperatures lower humidities.

WINDSHIELD AND WINDOWS

Windshield and Rear Window

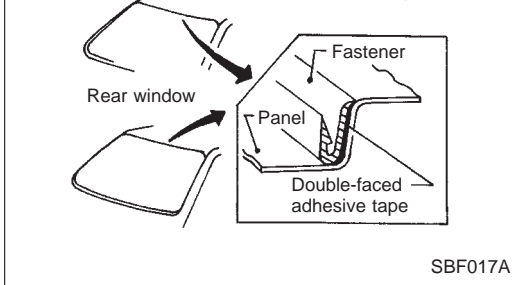
Body side



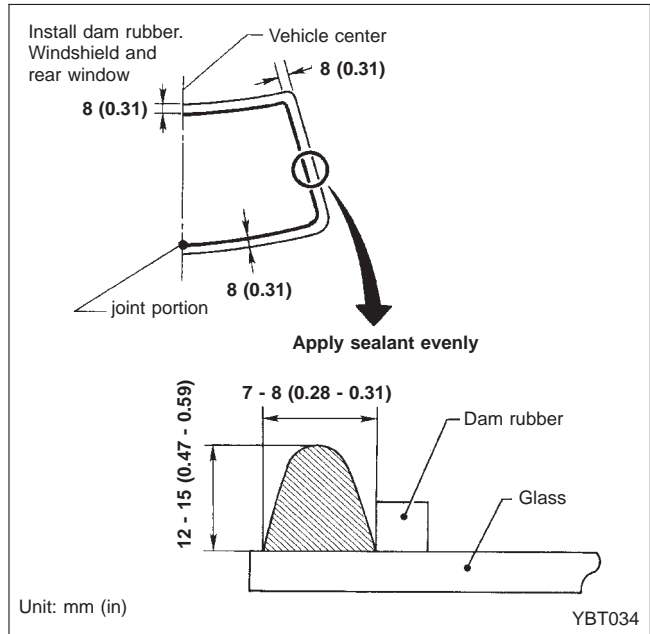
Install molding fastener.

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

Windshield Upper & side molding fasteners



Glass side



REPAIRING WATER LEAKS FOR WINDSHIELD

Leaks can be repaired without removing and reinstalling glass.

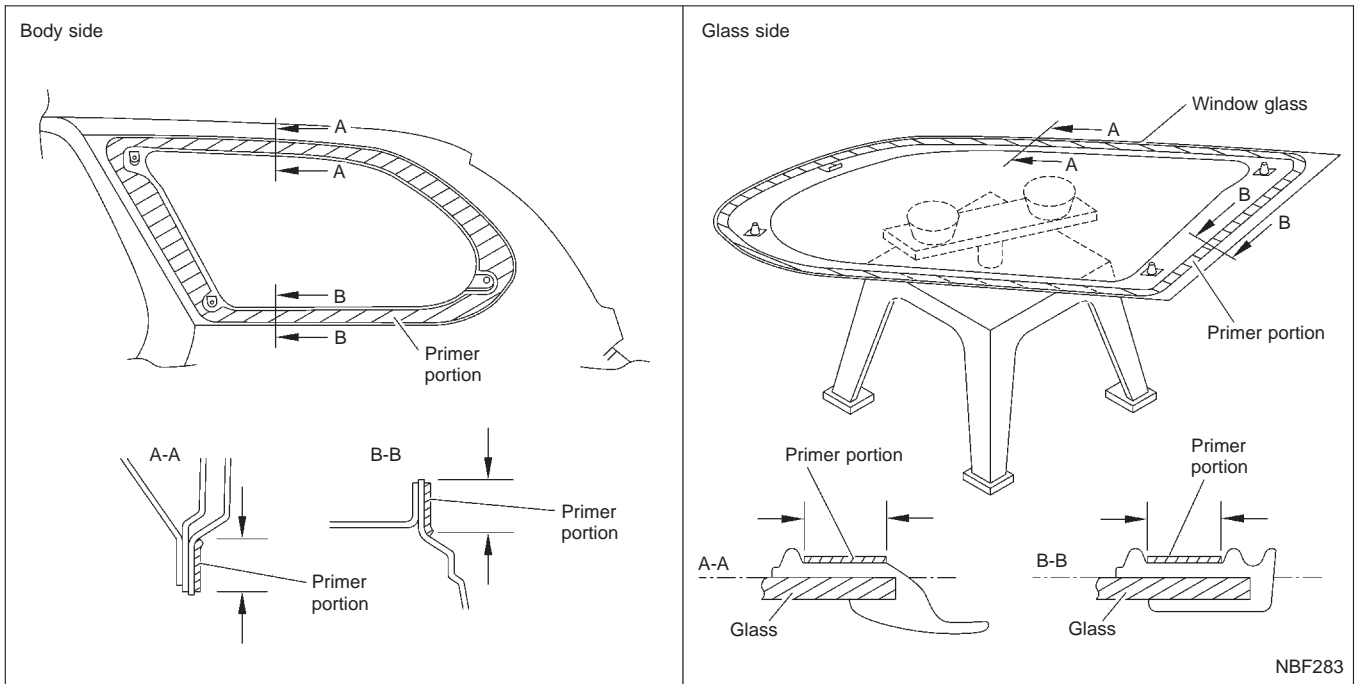
If water is leaking between caulking material and body or glass, determine the extent of leakage. This can be determined by applying water while pushing glass outward.

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

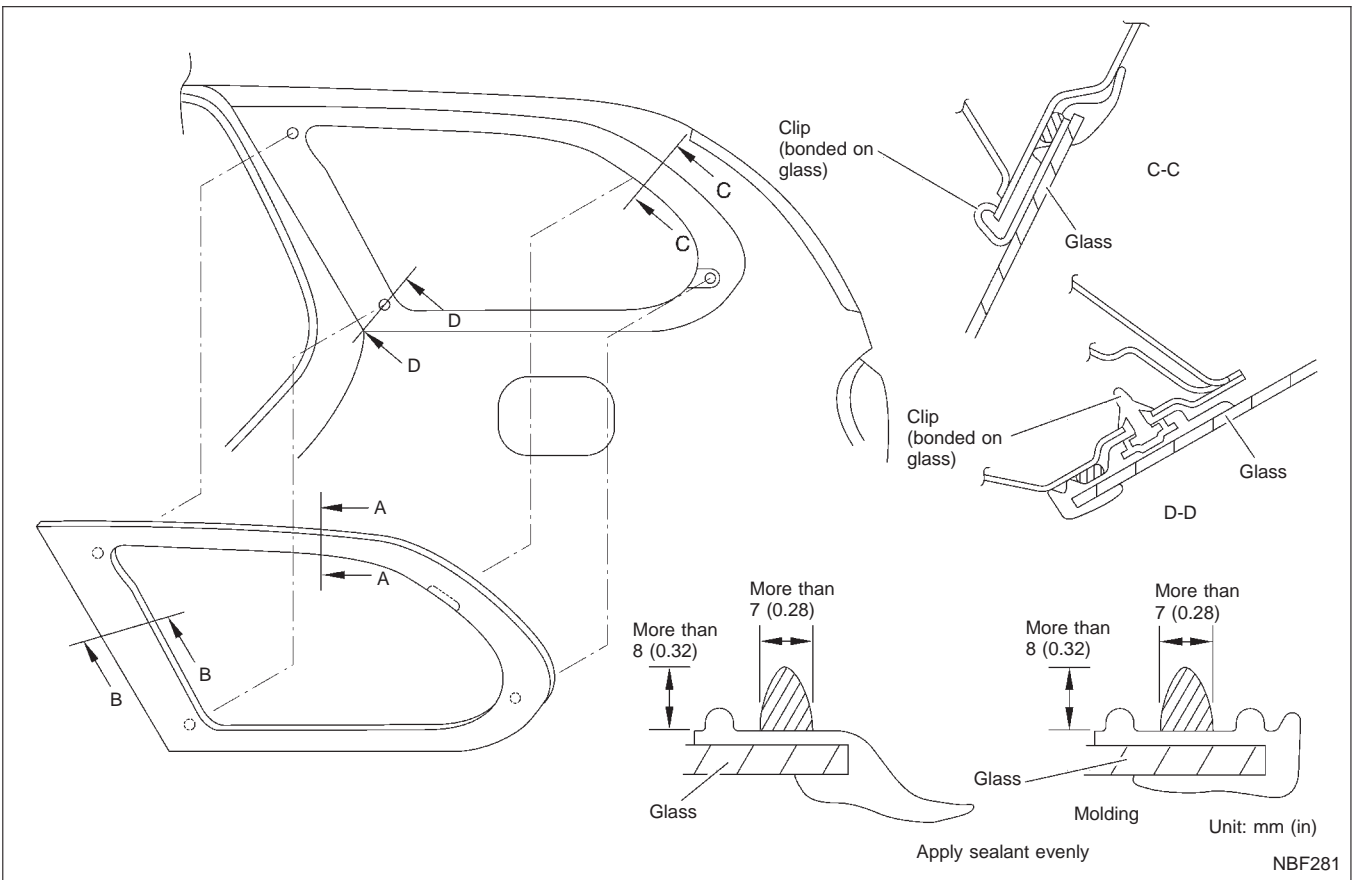
WINDSHIELD AND WINDOWS

Side Window

Primer portion



Sealing portion and installation



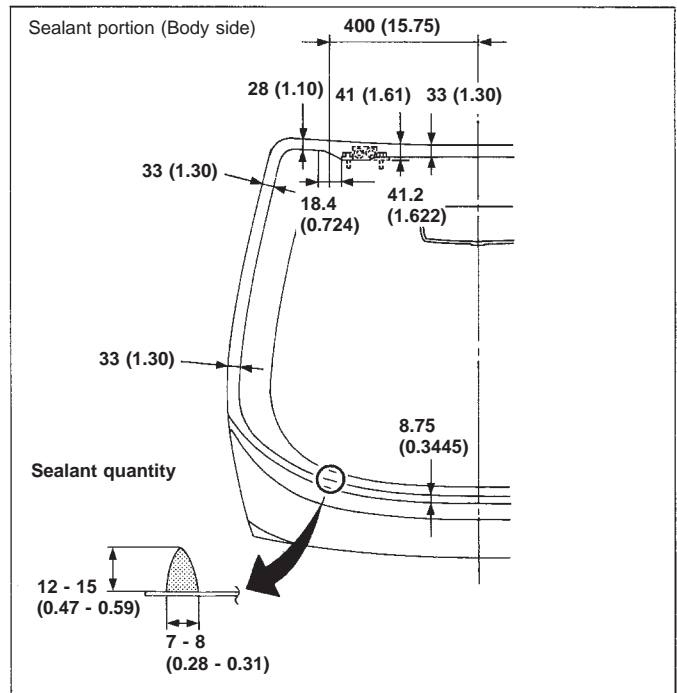
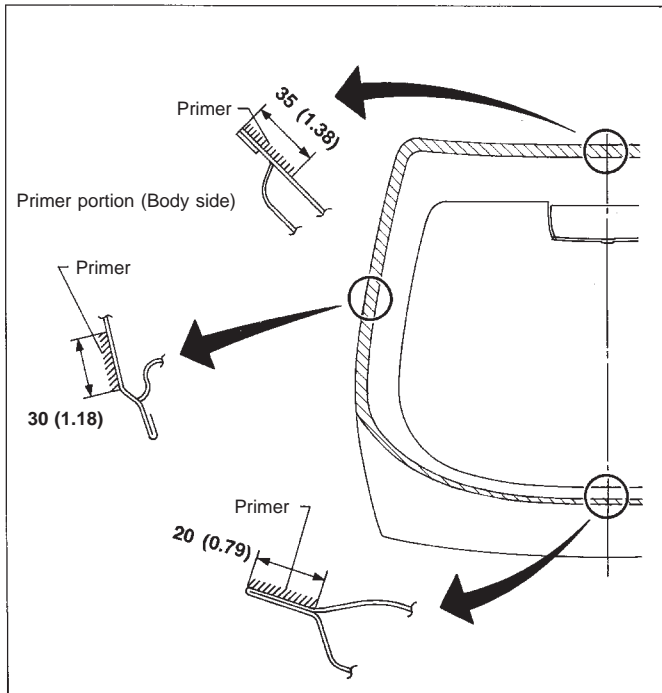
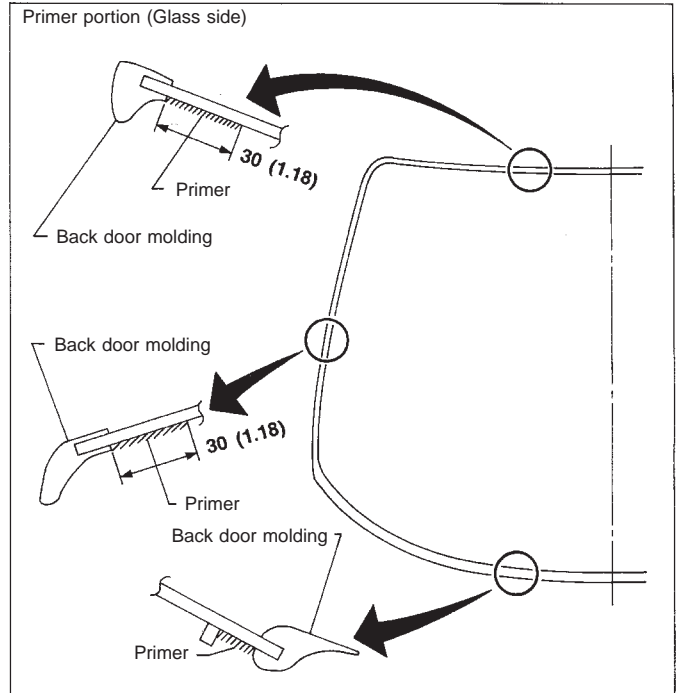
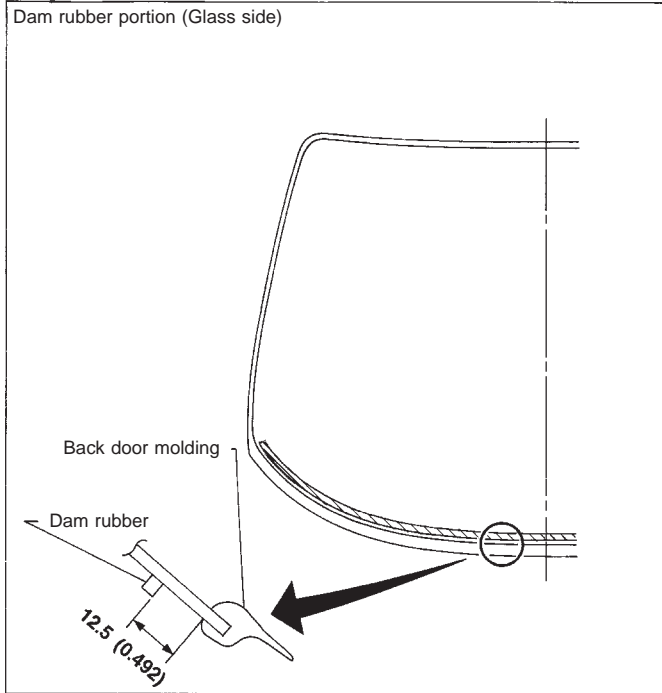
WINDSHIELD AND WINDOWS

Back Door Window

- Construction and removal/reinstallation method of back door window are basically the same as those of windshield.

5-door hatchback

- For details of moldings, refer to "EXTERIOR", BT-31.



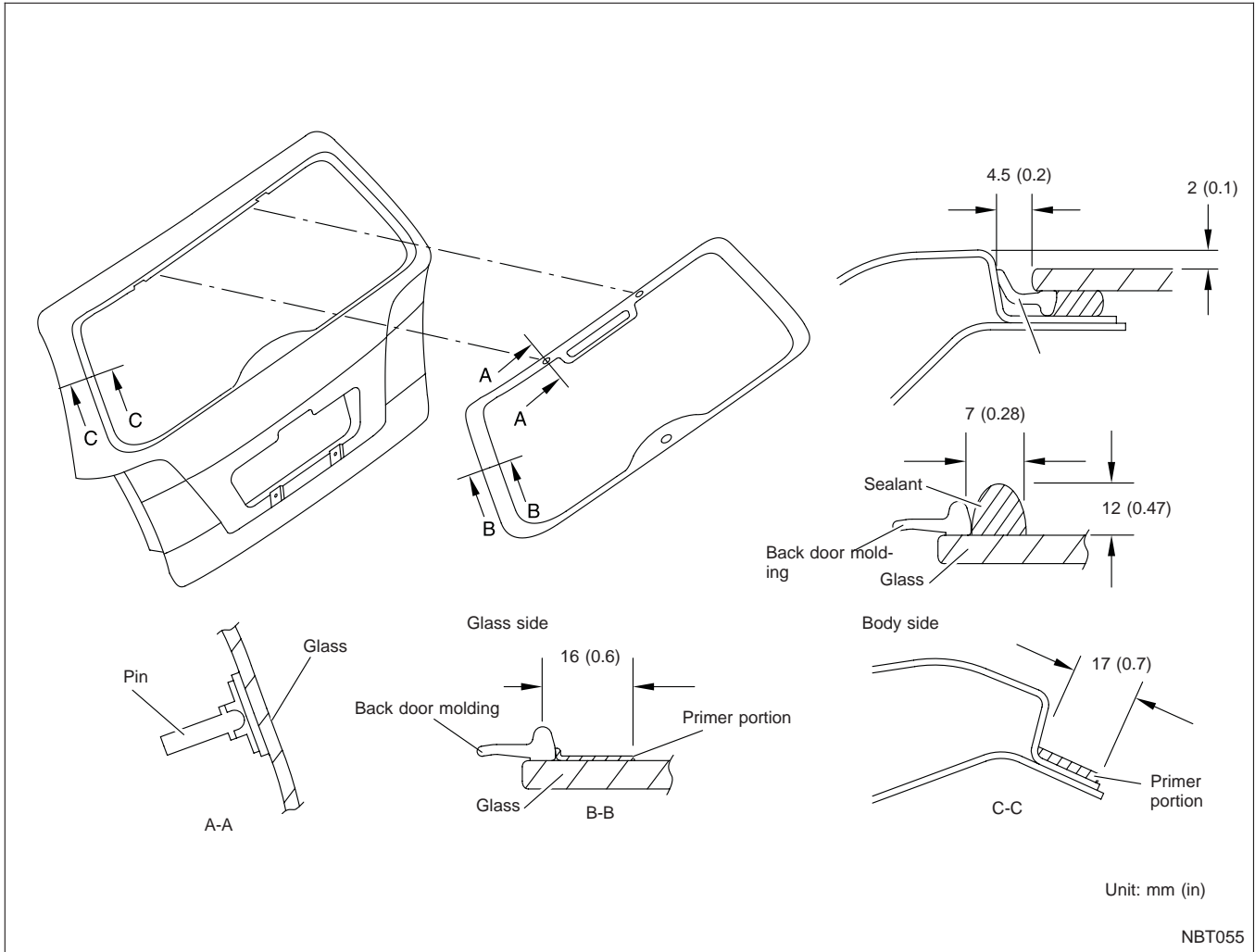
Unit: mm (in)

YBT035

WINDSHIELD AND WINDOWS

Back Door Window (Cont'd)

Wagon



MIRROR

Door Mirror

CAUTION:

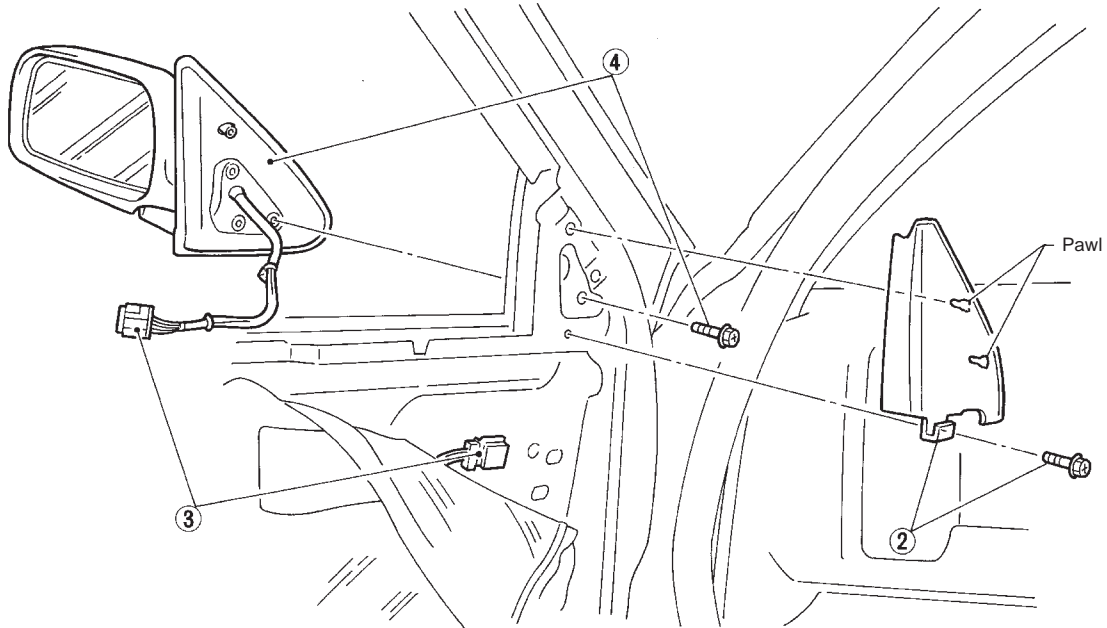
Be careful not to scratch door rearview mirror body.

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

REMOVAL — Door mirror

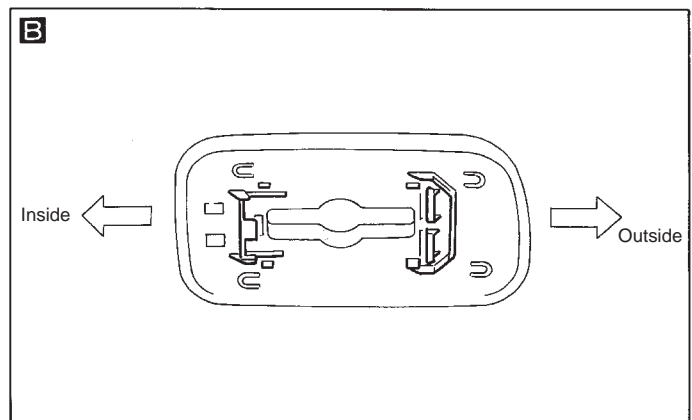
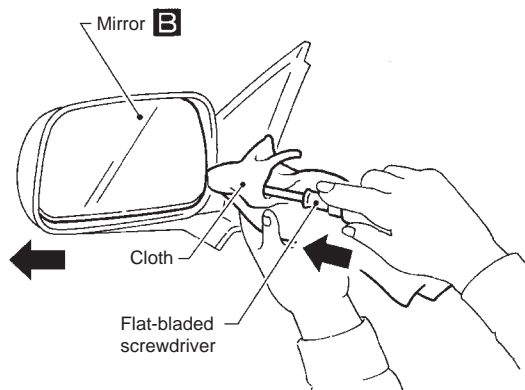
- ① Remove door trim. Refer to “Door Trim” for details, BT-24.
- ② Remove inner cover from front corner of door.
- ③ Disconnect door mirror harness connector.
- ④ Remove bolts securing door mirror, then remove door mirror assembly.

SEC. 963



Removal:

- Wrap flat-blade of screwdriver with a cloth to prevent scratching. Do not insert too far. Push mirror away from car to release.



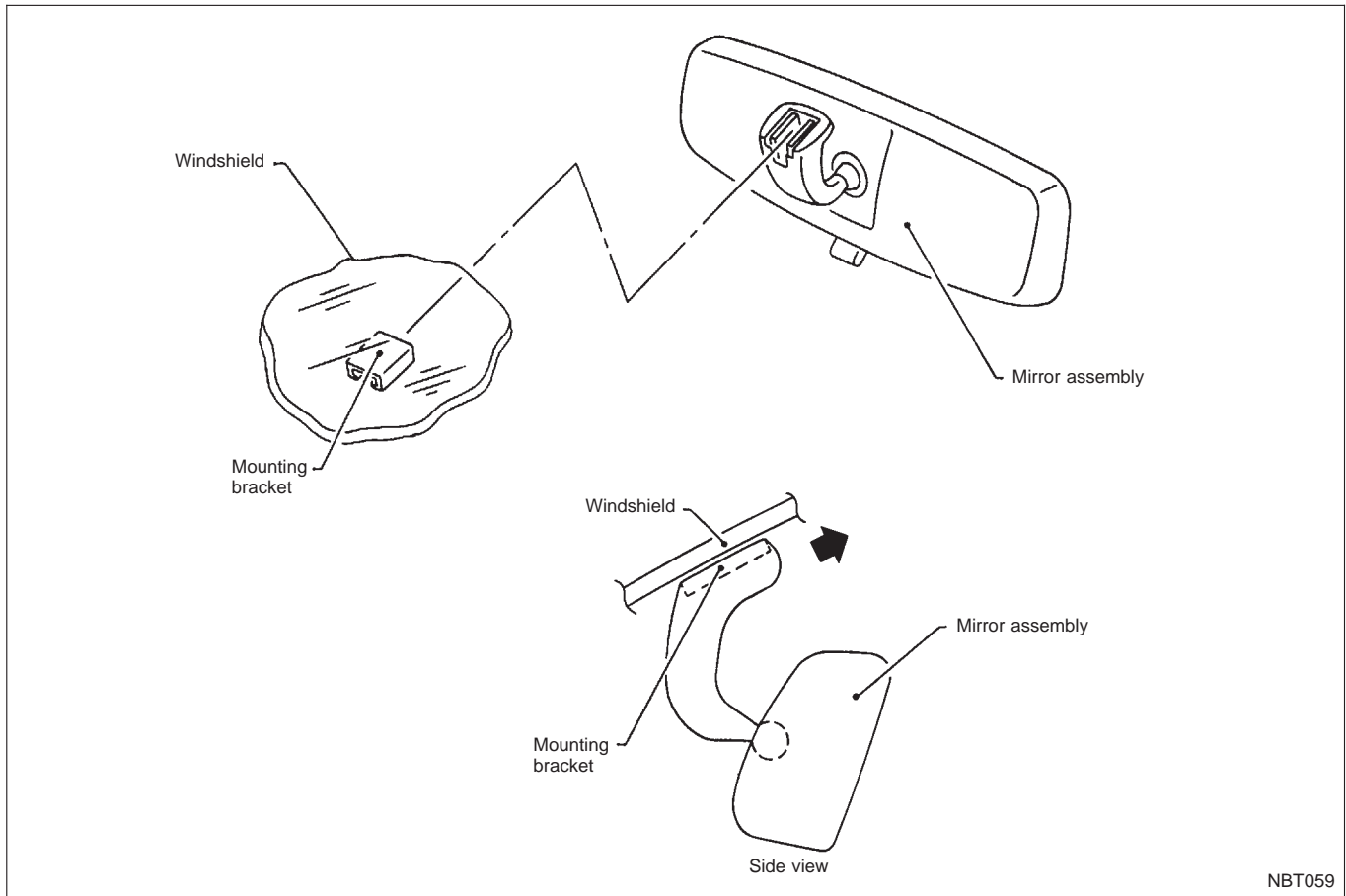
YBT036

MIRROR

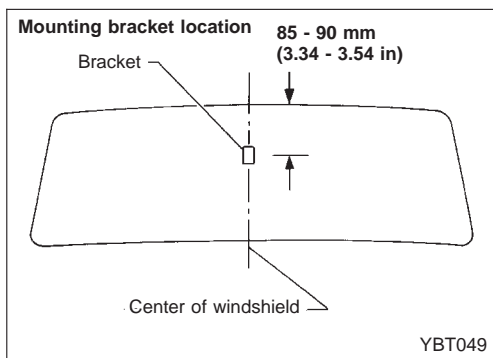
Rearview Mirror

REMOVAL

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



NBT059



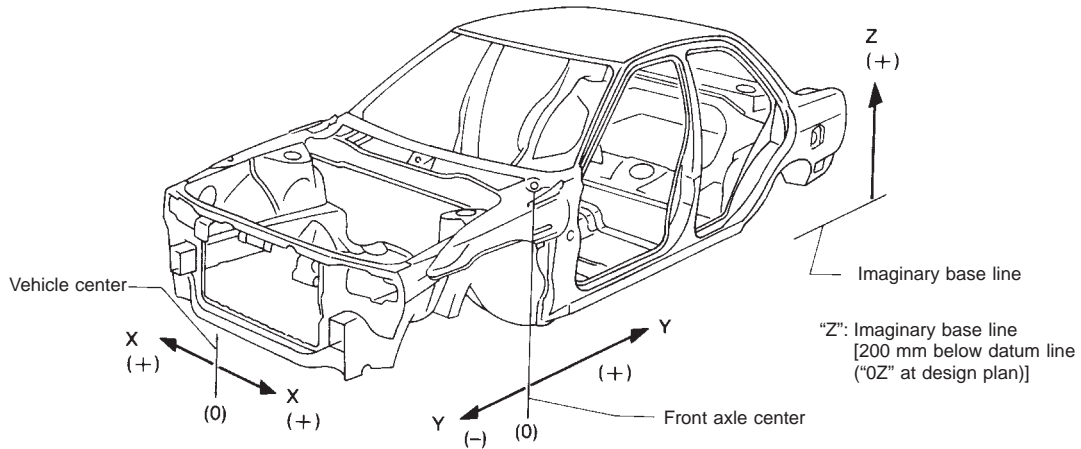
YBT049

INSTALLATION

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

BODY ALIGNMENT

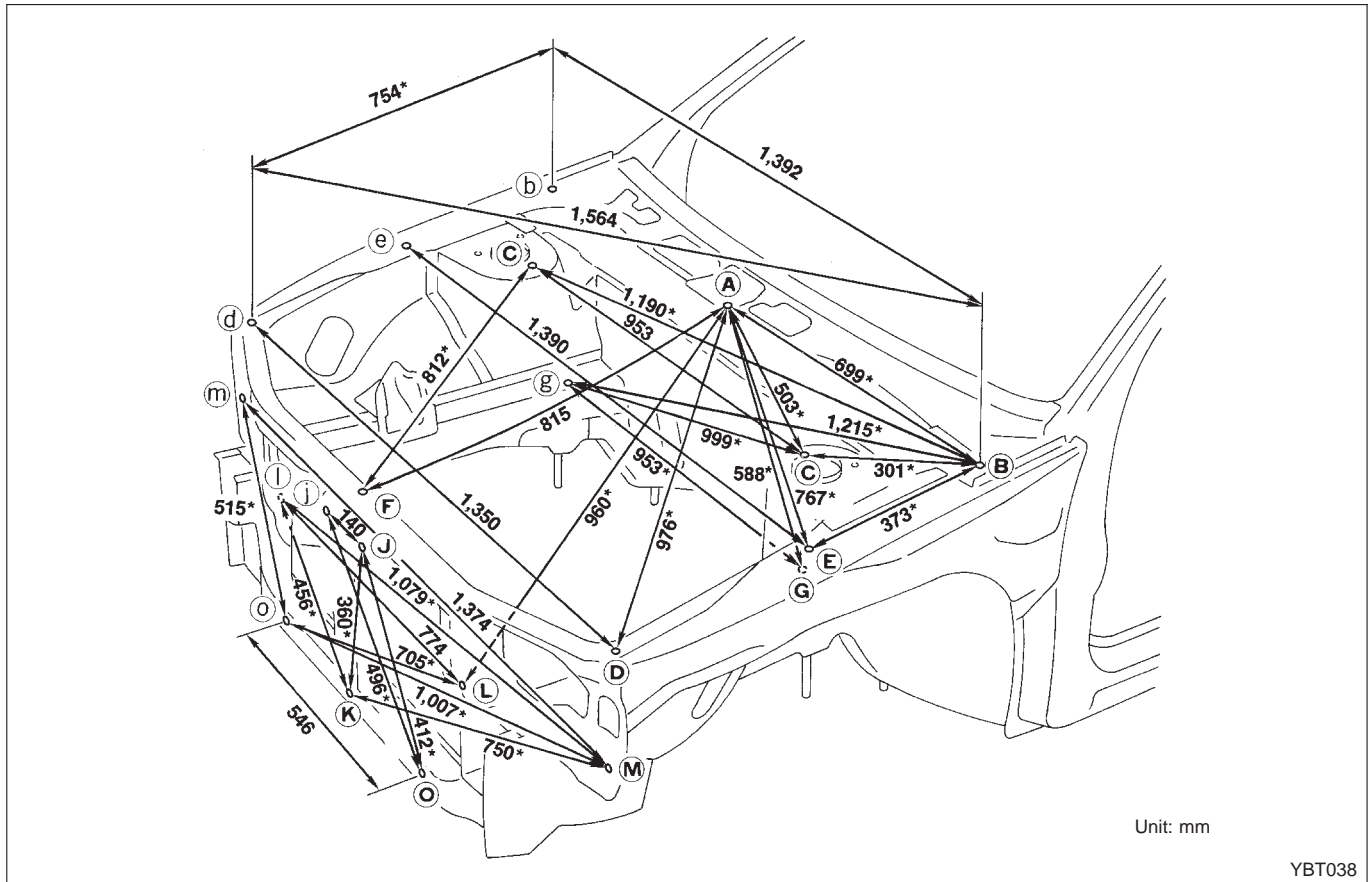
- All dimensions indicated in figures are actual ones.
- When using a tracking gauge, adjust both pointers to equal length. Then check the pointers and gauge itself to make sure there is no free play.
- When a measuring tape is used, check to be sure there is no elongation, twisting or bending.
- Measurements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



SBF874GB

Engine Compartment

MEASUREMENT

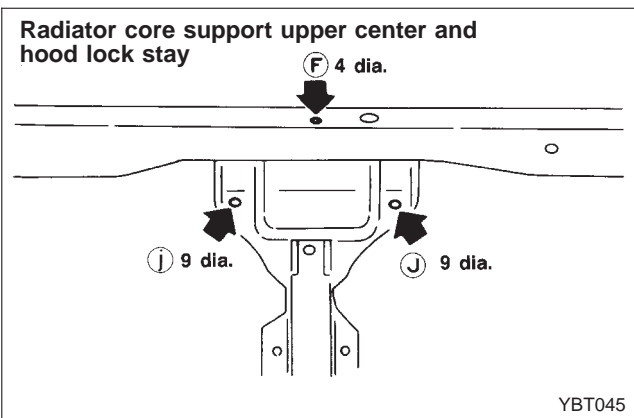
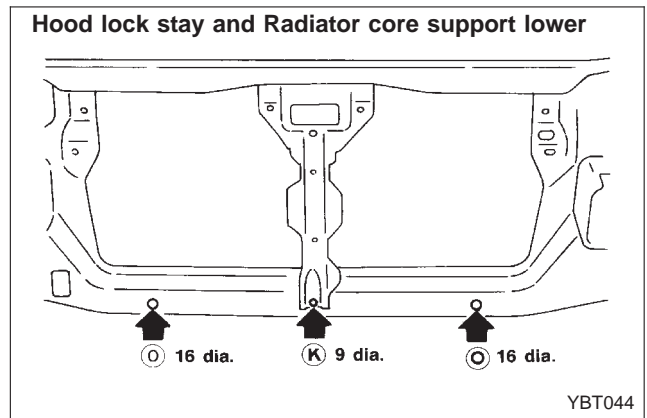
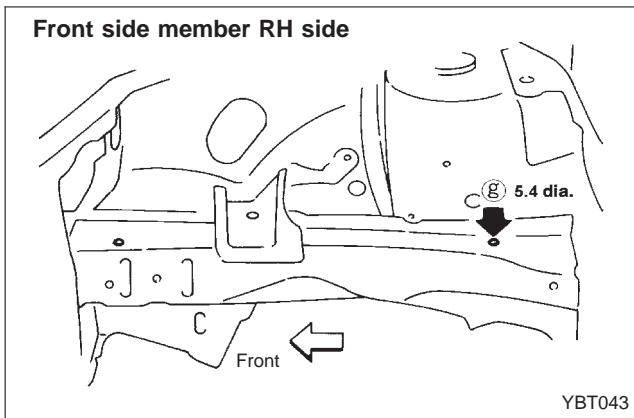
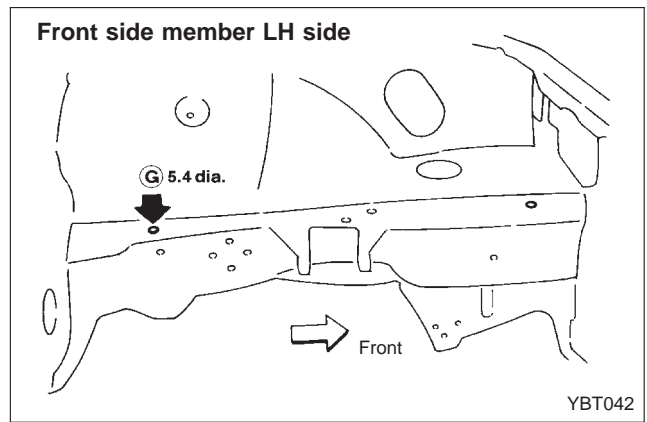
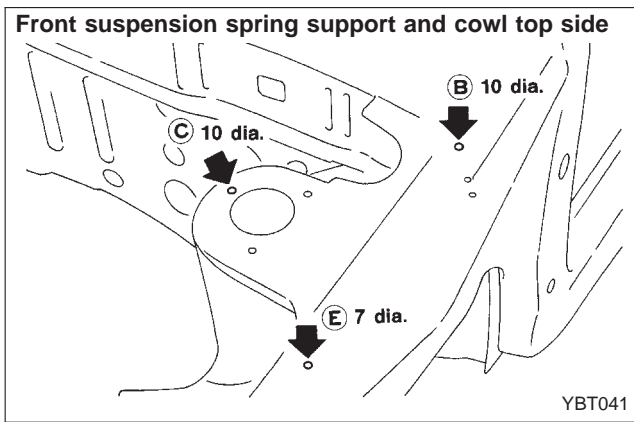
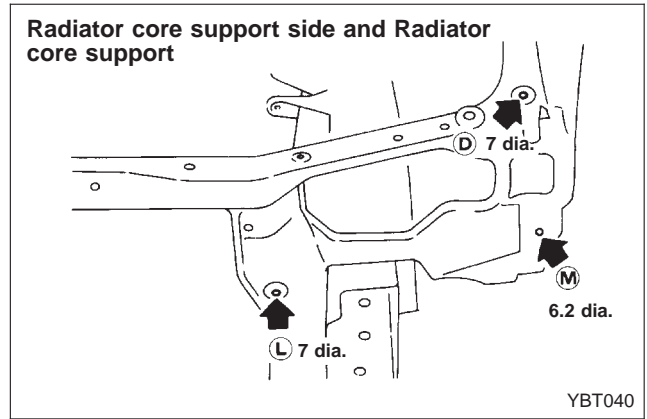
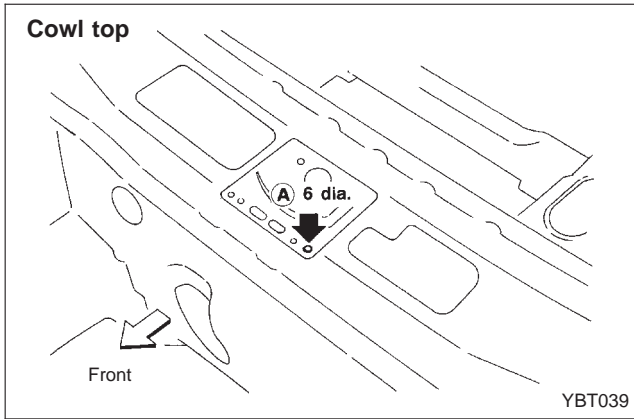


BODY ALIGNMENT

Engine Compartment (Cont'd)

MEASUREMENT POINTS

Unit: mm



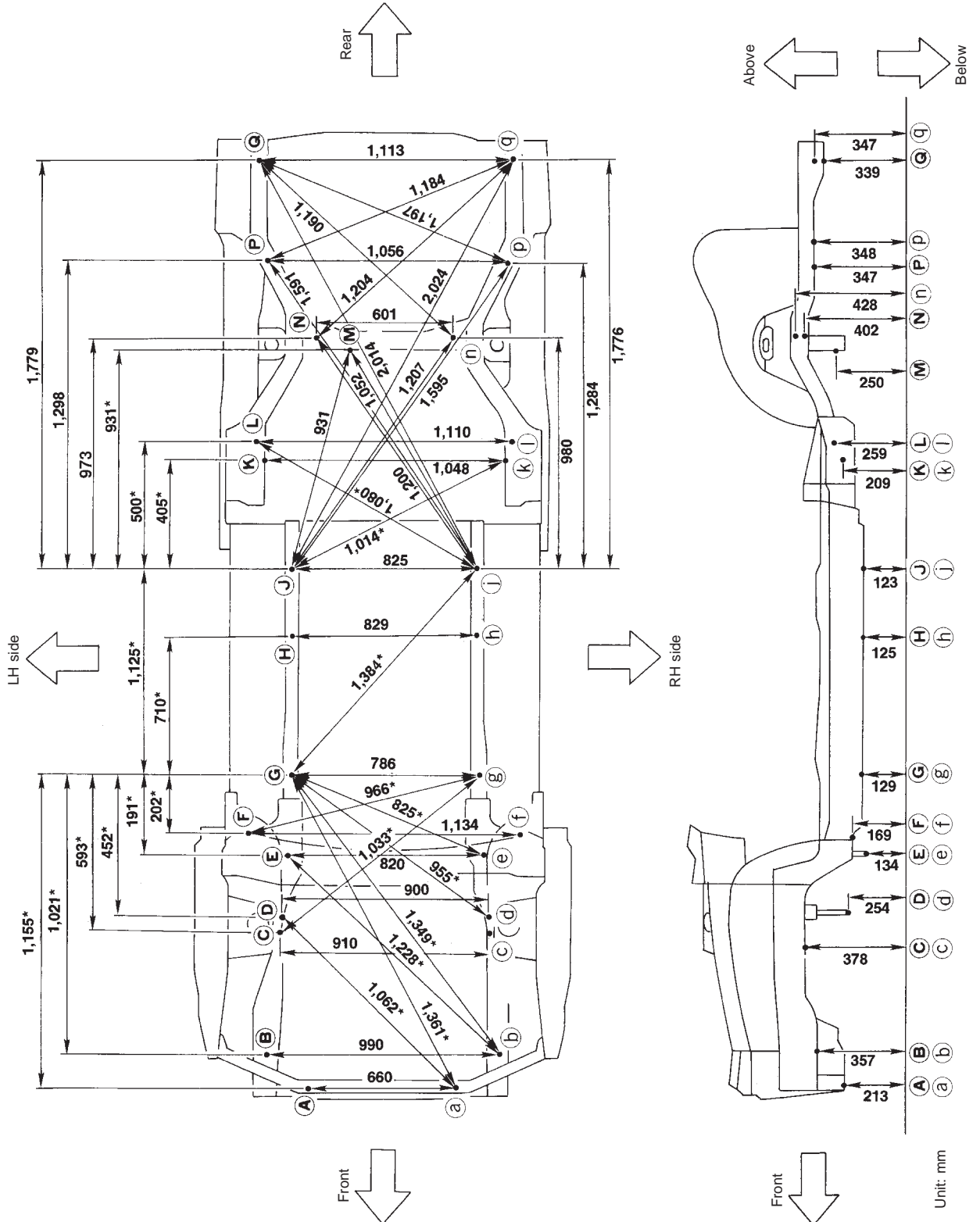
BODY ALIGNMENT

Underbody

MEASUREMENT

* This figure is underside view.

All dimension indicated in these figures are actual ones.

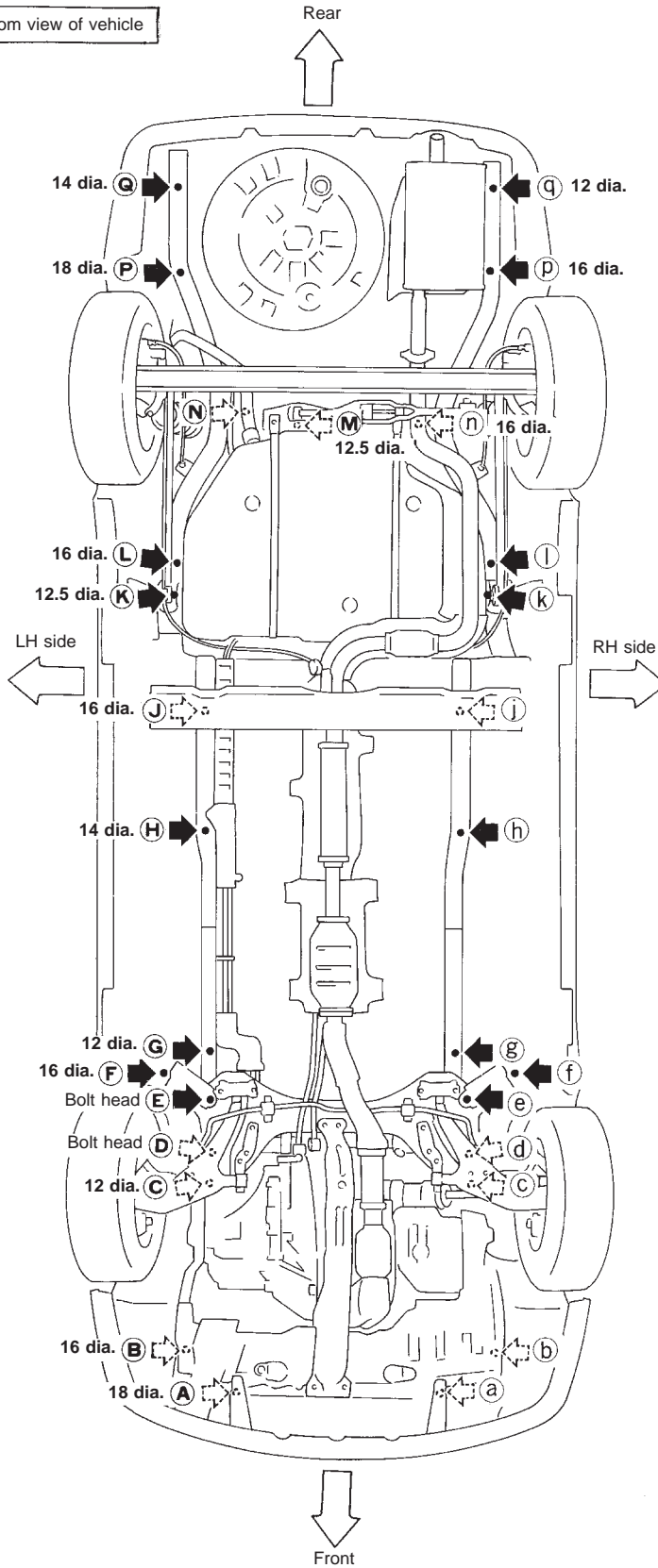


BODY ALIGNMENT

Underbody (Cont'd)

MEASUREMENT POINTS

Bottom view of vehicle



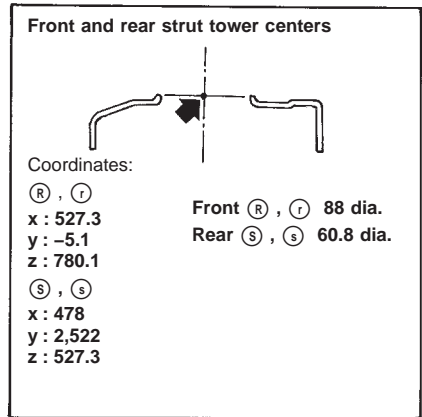
Front coordinates

- (A, a)
- x : 330
- y : -650
- z : 213
- (B, b)
- x : 495
- y : -490
- z : 356.6
- (C, c)
- x : 455
- y : -35
- z : 377.6
- (D, d)
- x : 450
- y : 70
- z : 254
- (E, e)
- x : 410
- y : 310
- z : 133.8
- (F, f)
- x : 587
- y : 405
- z : 169.4
- (G, g)
- x : 393
- y : 500
- z : 128.6
- (H, h)
- x : 414.5
- y : 1,210
- z : 124.9

Rear coordinates

- (J, j)
- x : 412.5
- y : 1,625
- z : 123.2
- (K, k)
- x : 524
- y : 2,005
- z : 209
- (L, l)
- x : 555
- y : 2,085
- z : 259
- (M)
- x : 145
- y : 2,507
- z : 250
- (N)
- x : 300
- y : 2,550
- z : 402.3
- (O)
- x : -300
- y : 2,550
- z : 428.3
- (P)
- x : 512
- y : 2,900
- z : 346.5
- (Q)
- x : -544
- y : 2,882
- z : 347.7
- (R)
- x : 542
- y : 3,385.6
- z : 339.4
- (S)
- x : -570.5
- y : 3,380
- z : 346.5

Unit: mm



BODY ALIGNMENT

NOTE