BODY & TRIM GI

SECTION **BT**

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Service Notice

- NABT0030 When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratches.
- MA 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 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 system composition which is available to NISSAN MODEL R50 is as follows:

- For a frontal collision • The Supplemental Restraint System consists of driver air bag module (located in the center of the steer-GL ing 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

MT The Supplemental Restraint System consists of side air bag module (located in the outer side of front seat). satellite sensor, side curtain air bag module (located in the headlining side of front and rear seat), diagnosis sensor unit (one of components of air bags for a frontal collision), wiring harness, warning lamp (one AT 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 must be performed PD by an authorized NISSAN dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to per-sonal 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. SRS wiring harnesses can be identified with yellow and/or orange harness connector (and with yellow harness protector or yellow insulation tape before the harness connectors).

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PREPARATION

Special Service Tools

Special Service Tools

The actual shapes of Kent-Moore tools may differ from those of special service tools illustrated here.

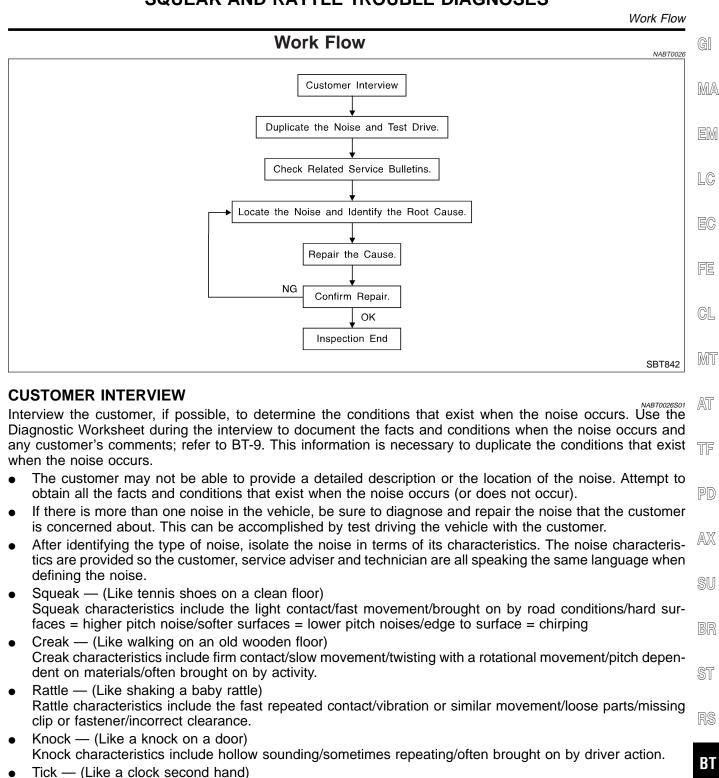
NABT0024

NABT0025

| Tool number (Kent-Moore No.) Tool name | Description |
|--|------------------------------|
| (J-39570) Chassis ear | Locating the noise |
| | SBT839 |
| (J-43980) Nissan Squeak and Rattle kit | Repairing the cause of noize |
| | SBT840 |

Commercial Service Tool

| Tool name | Description |
|------------|--------------------|
| Engine ear | Locating the noise |
| | |



- Like a clock second hand)
 Tick characteristics include gentle contacting of light materials/loose components/can be caused by driver action or road conditions.
- Thump (Heavy, muffled knock noise) Thump characteristics include softer knock/dead sound often brought on by activity.
- Buzz (Like a bumble bee) Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending upon the person. A noise that you may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

SC

Work Flow (Cont'd)

DUPLICATE THE NOISE AND TEST DRIVE

If possible, drive the vehicle with the customer until the noise is duplicated. Note any additional information on the Diagnostic Worksheet regarding the conditions or location of the noise. This information can be used to duplicate the same conditions when you confirm the repair.

If the noise can be duplicated easily during the test drive, to help identify the source of the noise, try to duplicate the noise with the vehicle stopped by doing one or all of the following:

- 1) Close a door.
- 2) Tap or push/pull around the area where the noise appears to be coming from.
- 3) Rev the engine.
- 4) Use a floor jack to recreate vehicle "twist".
- 5) At idle, apply engine load (electrical load, half-clutch on M/T model, drive position on A/T model).
- 6) Raise the vehicle on a hoist and hit a tire with a rubber hammer.
- Drive the vehicle and attempt to duplicate the conditions the customer states exist when the noise occurs.
- If it is difficult to duplicate the noise, drive the vehicle slowly on an undulating or rough road to stress the vehicle body.

CHECK RELATED SERVICE BULLETINS

After verifying the customer concern or symptom, check ASIST for Technical Service Bulletins (TSBs) related to that concern or symptom.

If a TSB relates to the symptom, follow the procedure to repair the noise.

LOCATE THE NOISE AND IDENTIFY THE ROOT CAUSE

- 1. Narrow down the noise to a general area. To help pinpoint the source of the noise, use a listening tool (Chassis Ear: J-39570, Engine Ear: J-39565 and mechanics stethoscope).
- 2. Narrow down the noise to a more specific area and identify the cause of the noise by:
- removing the components in the area that you suspect the noise is coming from.
 Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.
- tapping or pushing/pulling the component that you suspect is causing the noise.
 Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only temporarily.
- feeling for a vibration with your hand by touching the component(s) that you suspect is (are) causing the noise.
- placing a piece of paper between components that you suspect are causing the noise.
- looking for loose components and contact marks.

Refer to "Generic Squeak and Rattle Troubleshooting", BT-7.

REPAIR THE CAUSE

- If the cause is a loose component, tighten the component securely.
- If the cause is insufficient clearance between components:
- separate components by repositioning or loosening and retightening the component, if possible.
- insulate components with a suitable insulator such as urethane pads, foam blocks, felt cloth tape or urethane tape. A Nissan Squeak and Rattle Kit (J-43980) is available through your authorized Nissan Parts Department.

NABT0026S05

CAUTION:

Do not use excessive force as many components are constructed of plastic and may be damaged. Always check with the Parts Department for the latest parts information.

The following materials are contained in the Nissan Squeak and Rattle Kit (J-43980). Each item can be ordered separately as needed.

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc. 76268-9E005: 100 x 135 mm (3.94 x 5.31 in)/76884-71L01: 60 x 85 mm (2.36 x 3.35 in)/76884-71L02: 15 x 25 mm (0.59 x 0.98 in)

INSULATOR (Foam blocks)

Insulates components from contact. Can be used to fill space behind a panel.

73982-9E000: 45 mm (1.77 in) thick, 50 x 50 mm (1.97 x 1.97 in)/73982-50Y00: 10 mm (0.39 in) thick, 50 x 50 mm (1.97 x 1.97 in)

INSULATOR (Light foam block)

| SQUEAR AND RATILE TROUBLE DIAGNUSES Work Flow (Cont'd) | |
|--|--------|
| 80845-71L00: 30 mm (1.18 in) thick, 30 x 50 mm (1.18 x 1.97 in) | GI |
| FELT CLOTH TAPE Used to insulate where movement does not occur. Ideal for instrument panel applications. 68370-4B000: 15 x 25 mm (0.59 x 0.98 in) pad/68239-13E00: 5 mm (0.20 in) wide tape roll The following materials, not found in the kit, can also be used to repair squeaks and rattles. UHMW (TEFLON) TAPE | MA |
| Insulates where slight movement is present. Ideal for instrument panel applications. SILICONE GREASE | EM |
| Used in place of UHMW tape that will be visible or not fit. Note: Will only last a few months. SILICONE SPRAY | LC |
| Use when grease cannot be applied. DUCT TAPE Use to eliminate movement. | EC |
| | |
| CONFIRM THE REPAIR Confirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet. | ł |
| Generic Squeak and Rattle Troubleshooting | CL |
| Refer to Table of Contents for specific component removal and installation information. | |
| INSTRUMENT PANEL | MT |
| Most incidents are caused by contact and movement between: | |
| 1. The cluster lid A and instrument panel | AT |
| 2. Acrylic lens and combination meter housing | |
| 3. Instrument panel to front pillar garnish | TF |
| Instrument panel to windshield Instrument panel mounting pins | |
| 6. Wiring harnesses behind the combination meter | PD |
| A/C defroster duct and duct joint | |
| These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or silicon spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness. | /4/A |
| CAUTION: | SU |
| Do not use silicone spray to isolate a squeak or rattle. If you saturate the area with silicone, you will not be able to recheck the repair. | BR |
| CENTER CONSOLE | ! |
| Components to pay attention to include: 1. Shifter assembly cover to finisher 2. A/C control unit and cluster lid C | ST |
| 3. Wiring harnesses behind audio and A/C control unit | RS |
| The instrument panel repair and isolation procedures also apply to the center console. | |
| DOORS | BT |
| Pay attention to the: | |
| 1. Finisher and inner panel making a slapping noise | HA |
| 2. Inside handle escutcheon to door finisher | 0 00 0 |
| 3. Wiring harnesses tapping | SC |
| 4. Door striker out of alignment causing a popping noise on starts and stops | |
| Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. You can usually insulate the areas with felt cloth tape or insulator foam blocks from the Nissan Squeak and Rattle Kit (J-43980) to repair the noise. | |
| | |

Generic Squeak and Rattle Troubleshooting (Cont'd)

TRUNK

Trunk noises are often caused by a loose jack or loose items put into the trunk by the owner. In addition look for:

- 1. Trunk lid bumpers out of adjustment
- 2. Trunk lid striker out of adjustment
- 3. The trunk lid torsion bars knocking together
- 4. A loose license plate or bracket

Most of these incidents can be repaired by adjusting, securing or insulating the item(s) or component(s) causing the noise.

SUNROOF/HEADLINER

Noises in the sunroof/headliner area can often be traced to one of the following:

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise

- 2. Sunvisor shaft shaking in the holder
- 3. Front or rear windshield touching headliner and squeaking

Again, pressing on the components to stop the noise while duplicating the conditions can isolate most of these incidents. Repairs usually consist of insulating with felt cloth tape.

SEATS

When isolating seat noises it's important to note the position the seat is in and the load placed on the seat when the noise is present. These conditions should be duplicated when verifying and isolating the cause of the noise.

Cause of seat noise include:

- 1. Headrest rods and holders
- 2. A squeak between the seat pad cushion and frame
- 3. The rear seat back lock and bracket

These noises can be isolated by moving or pressing on the suspected components while duplicating the conditions under which the noise occurs. Most of these incidents can be repaired by repositioning the component or applying urethane tape to the contact area.

UNDERHOOD

Some interior noises may be caused by components under the hood or on the engine wall. The noise is then transmitted into the passenger compartment.

- Causes of transmitted underhood noises include:
- 1. Any component mounted to the engine wall
- 2. Components that pass through the engine wall
- 3. Engine wall mounts and connectors
- 4. Loose radiator mounting pins
- 5. Hood bumpers out of adjustment
- 6. Hood striker out of adjustment

These noises can be difficult to isolate since they cannot be reached from the interior of the vehicle. The best method is to secure, move or insulate one component at a time and test drive the vehicle. Also, engine RPM or load can be changed to isolate the noise. Repairs can usually be made by moving, adjusting, securing, or insulating the component causing the noise.

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NABT0027S05

Diagnostic Worksheet

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NABT0028

Diagnostic Worksheet

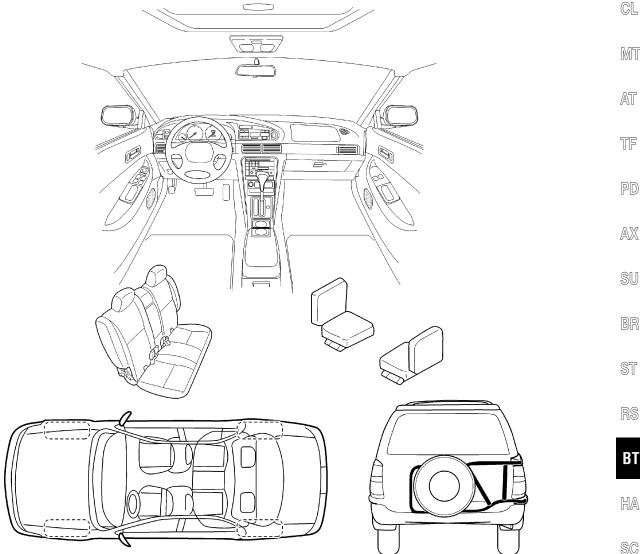
NISSAN

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

Dear Nissan Customer:

We are concerned about your satisfaction with your Nissan vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Nissan right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be asked to take a test drive with a service advisor or technician to ensure we confirm the noise you are hearing.

I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle) The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.



Continue to the back of the worksheet and briefly describe the location of the noise or rattle. In addition, please indicate the conditions which are present when the noise occurs.

EL

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET- page 2

| Briefly describe the location where the | ne noise occurs: |
|---|---|
| | |
| | |
| II. WHEN DOES IT OCCUR? (che | ck the boxes that apply) |
| anytime | after sitting out in the sun |
| 1 st time in the morning | when it is raining or wet |
| only when it is cold outside | dry or dusty conditions |
| \Box only when it is hot outside | other: |
| III. WHEN DRIVING: | IV. WHAT TYPE OF NOISE? |
| through driveways | squeak (like tennis shoes on a clean floor) |
| over rough roads | creak (like walking on an old wooden floor) |
| over speed bumps | rattle (like shaking a baby rattle) |
| only at about mph | knock (like a knock on a door) |
| on acceleration | tick (like a clock second hand) |
| coming to a stop | thump (heavy, muffled knock noise) |
| on turns : left, right or either (circle) | 🖵 buzz (like a bumble bee) |
| with passengers or cargo | |
| □ other: | |
| \Box after driving miles or minu | ites |

TO BE COMPLETED BY DEALERSHIP PERSONNEL Test Drive Notes:

| | | <u>YES</u> | <u>NO</u> | Initials of person performing |
|---|------------------|------------|-----------|----------------------------------|
| Vehicle test driven with custome - Noise verified on test drive - Noise source located and repa - Follow up test drive performed | ired | | | |
| VIN: | Customer Name: _ | | | |
| W.O. #: | Date: | _ | | |

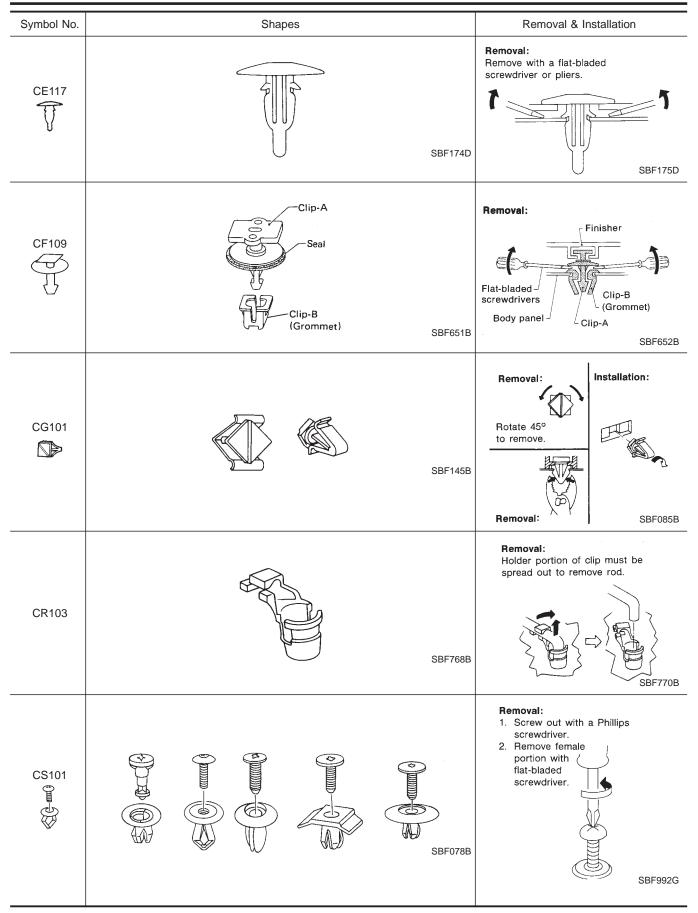
This form must be attached to Work Order

CLIP AND FASTENER

| | | •=== • == • | | Descrip | tion |
|------------|--|-------------|---------------------|--|--------|
| | d fasteners in BT sect any clips and/or faste | | e following numbers | and symbols. | 70003 |
| Symbol No. | | Shapes | | Removal & Installation | |
| C101 | | | SBF302H | Removal: Remove by bending up with flat-bladed screwdrivers or clip remover. | 84 |
| C103 | | T | | | BA |
| | | 0 | SBT095 | Removal: Remove with a clip remover. SBF42: | зн |
| C203 | | | , ; | Push center pin to catching position. (Do not remove center pin by hitting it.) | |
| ₽ Æ | | | SBF258G | Installation: SBF70 | |
| C205 | | | | Removal: Flat-bladed | |
| | | | МВТО80А | Clip Finisher SBF6380 | CA |
| | | | | Removal: | |
| CE103 | _ | | | | |
| | - | - W | SBF104B | SBF14 | 7B |

CLIP AND FASTENER

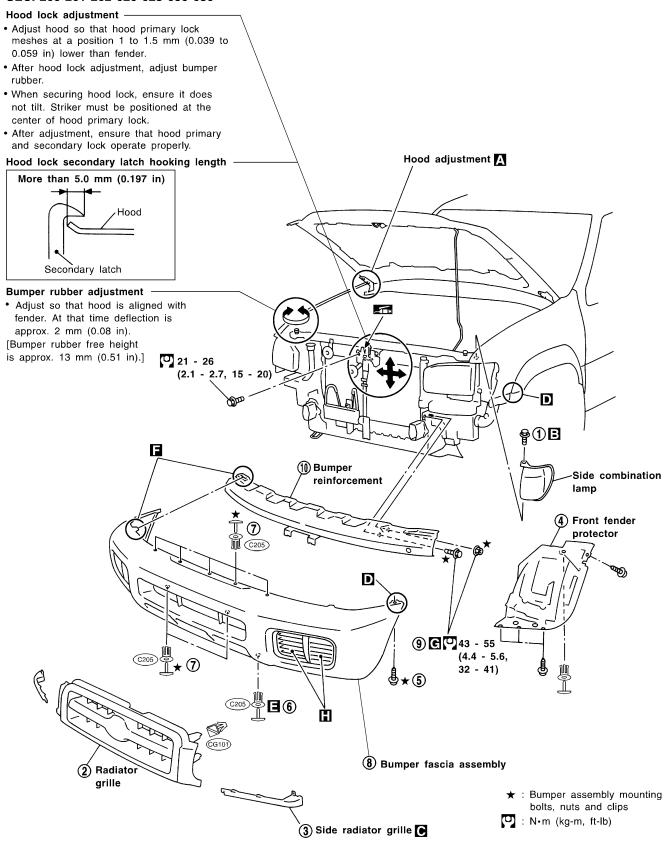
Description (Cont'd)



BODY FRONT END

| Removal and Installation | GI |
|--|-----|
| When removing or installing hood, place a cloth or other padding on front fender panel 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. | MA |
| 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. | EM |
| • Hood opener: Do not attempt to bend cable forcibly. Doing so increases effort required to unlock hood. | 10 |
| FRONT BUMPER ASSEMBLY | LC |
| Remove bolts securing left and right side combination lamps and remove the lamps. B Remove clips securing center radiator grille and remove the center radiator grille. Remove bolts securing left and right radiator grille and remove the grilles. C | EC |
| Remove clips and screws securing left and right sides of fender protector. Remove screws securing bumper fascia. | FE |
| Remove clips securing radiator core support lower. Remove clips securing bumper reinforcement. Extract bumper fasica. | CL |
| 0. Demove bette and pute acquiring humper reinforcement | MT |
| | AT |
| | TF |
| | PD |
| | AX |
| | SU |
| | BR |
| | ST |
| | RS |
| | BT |
| | HA |
| | SC |
| | EL |
| | IDX |

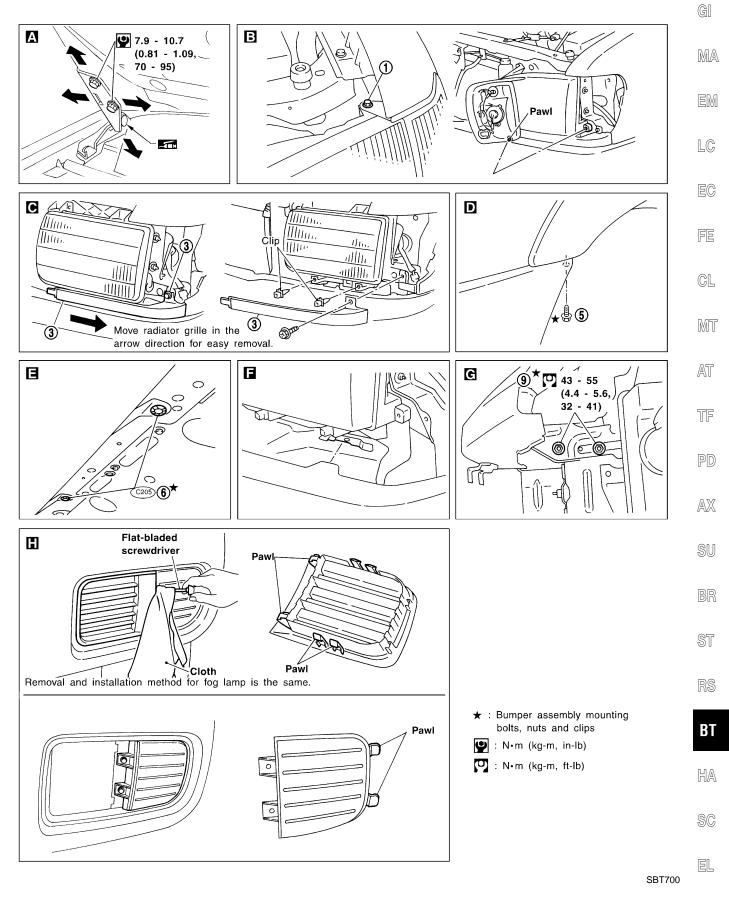
SEC. 260•261•262•620•623•630•650



SBT699

BODY FRONT END

Removal and Installation (Cont'd)



IDX

Removal and Installation

- Bumper fascia is made of plastic. Do not use excessive force and be sure to keep oil away from it.
- Back door lock system adjustment: Adjust lock & striker so that they are in the center. After adjustment, check back door lock operation.
- Back door hatch lock system adjustment: Adjust lock & striker so that they are in the center. After adjustment, check back door hatch lock operation.
- Opener cable: Do not attempt to bend cable using excessive force.
- After installation, make sure that back door and fuel filler lid open smoothly.

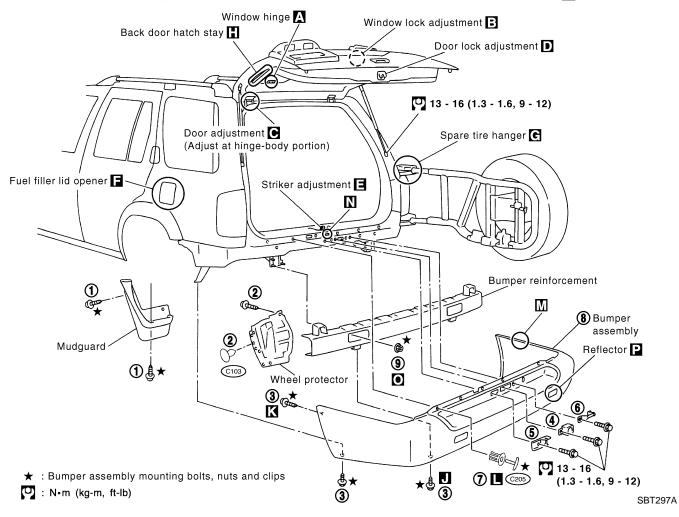
WARNING:

- Be careful not to scratch back door stay and/or back door hatch stay when installing back door and/or back door hatch. A scratched stay may cause gas leakage.
- The contents of the back door stay and back door hatch stay are under pressure. Do not take apart, puncture, apply heat or allow fire near them.

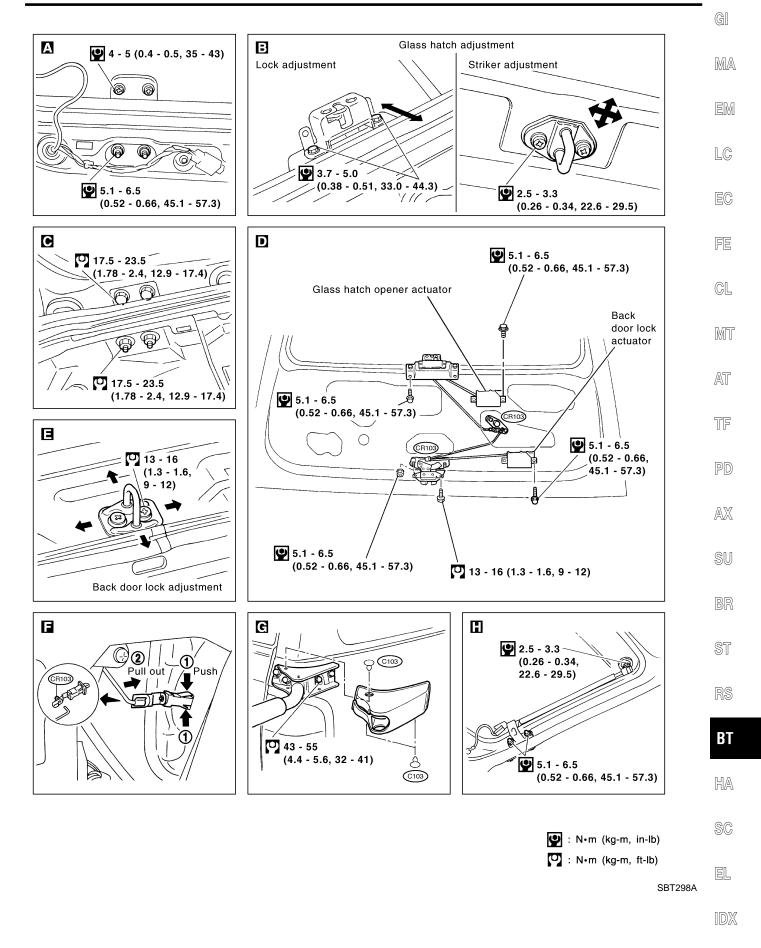
NABT0005S01

REAR BUMPER ASSEMBLY

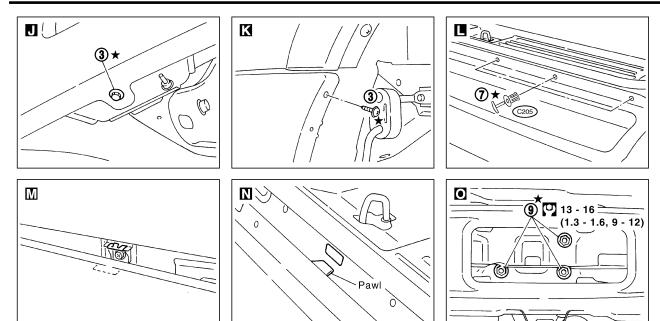
- 1. Remove screws securing left and right mudguards and remove the mudguards.
- 2. Remove clips and screws securing left and right sides of wheel protector.
- 3. Remove bolts and screws securing lower side and side of bumper assembly.
- 4. Remove bolts securing bumper rubber assembly.
- 5. Remove bolts securing spare tire hanger striker assembly.
- 6. Remove bolts securing spare tire hanger guide assembly.
- 7. Remove clips from upper side of bumper assembly.
- 8. Extract bumper assembly.
- 9. Remove nuts securing bumper reinforcement and remove the bumper reinforcement.

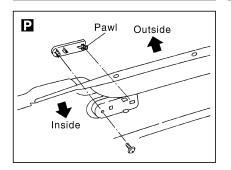


BODY REAR END AND OPENER



BODY REAR END AND OPENER

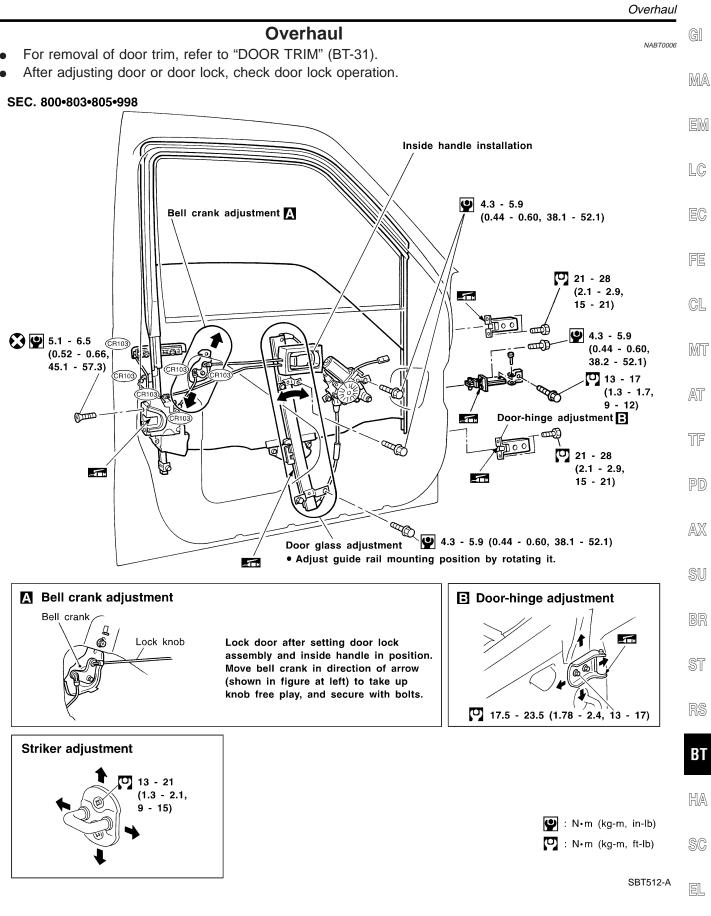




- \star : Bumper assembly mounting bolts, nuts and clips
- N•m (kg-m, ft-lb)

SBT299A

FRONT DOOR



FRONT DOOR

Front Door Limit Switch Reset RESET CONDITIONS

NABT0029

NABT0029S02

After each of the following operations are performed, reset the limit switch (with built-in motor).

- Regulator removal and installation
- Removal of motor from regulator
- Operation of regulator as a single unit
- Door glass removal and installation
- Glass run removal and installation

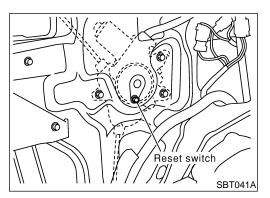
RESET PROCEDURES

After installing parts, proceed as follows:

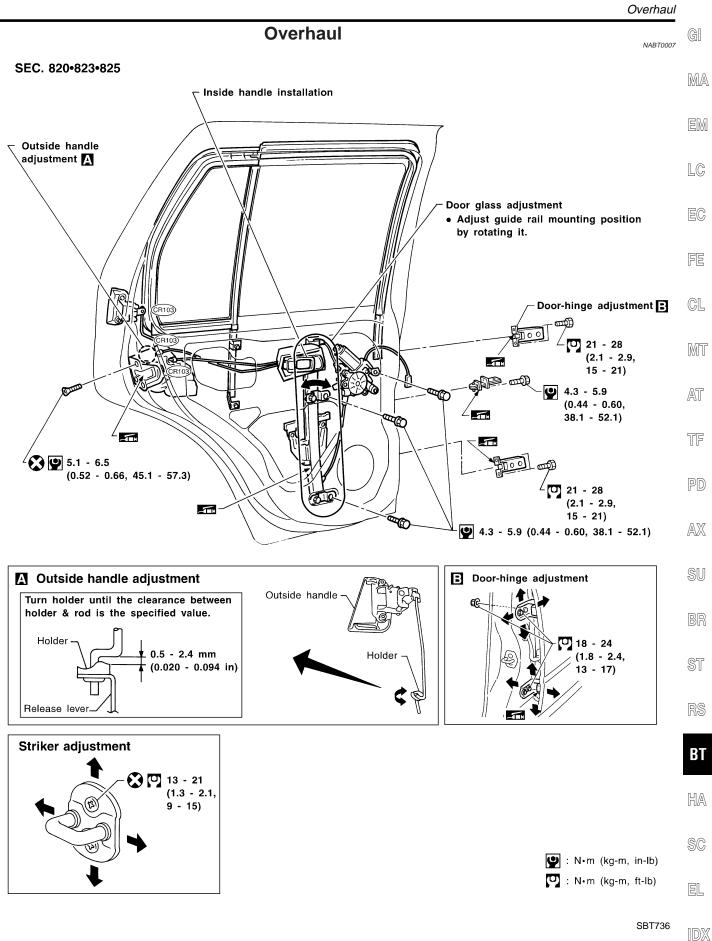
- 1. Close the door window completely.
- 2. Press the reset switch and open the door window completely.
- 3. Release the reset switch. After making sure the reset switch has returned to the original position, close the door window completely.
- 4. The limit switch is now reset.

CAUTION:

Be sure to manually open or close the door window. (Do not use the automatic open-close procedures.)



REAR DOOR



Removal and Installation

CAUTION:

NABT0008

• Lock the CD changer unit mechanism (models with CD changer).

Refer to EL-201, "LOCKING CD CHANGER UNIT MECHA-NISM".

- 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.

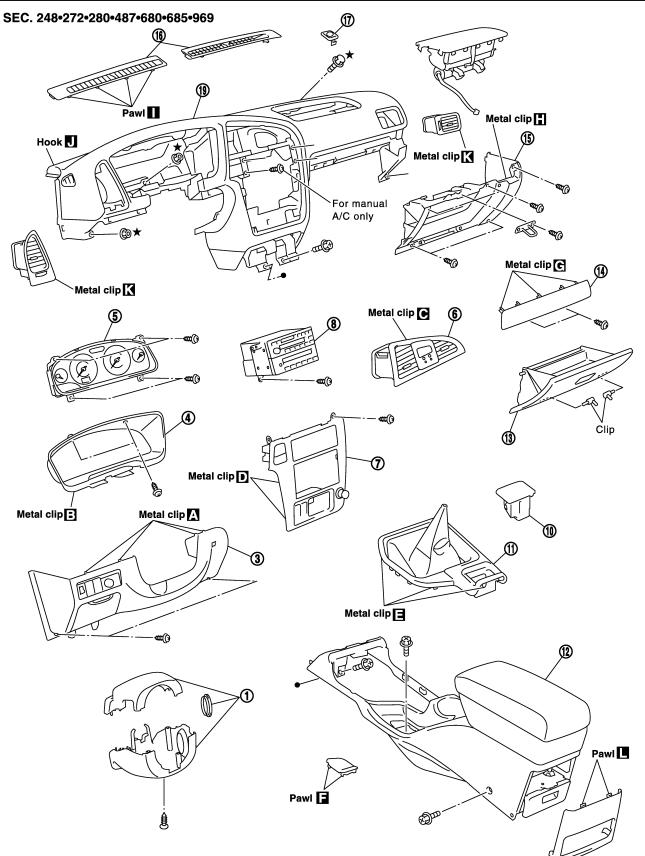
| Instrument panel assembly | Combination meter | Audio & A/C c | control | Console b | юх |
|--|---|---------------|---------|-----------|-----|
| Remove air bag module (driver) and steering wheel. Refer to RS-(*1), "SUPPLEMENTAL RESTRAINT SYSTEM" for details. | | | | | |
| Steering column cover and combination switch Remove screws. | Tilt steering column down fully Remove steering column cover. | n | | | |
| 2 Dash side lower finisher • Refer to BT-(*2), "SIDE AND FLOOR TRIM" for details. | | | | | |
| 3 Instrument lower panel on driver side • Remove screws then disconnect harness connectors. | | | | | |
| 4 Cluster lid A • Remove screws. | | | | | |
| 5 Combination meter • Remove screws then disconnect harness connectors. | | | | | |
| 6 Center ventilator • Disconnect harness connectors. | | I | | | |
| 7 Cluster lid C • Remove screws then disconnect harness connectors. | | | | | |
| 8 Audio assembly• Remove screws. | | I | | | |
| 9 A/C control unit • Remove screws then disconnect harness connectors an • Then disconnect harness connectors. (Auto A/C) | d cable. | | | | |
| 10 Ashtray • Pull the ashtray up. | | | | | |
| 11 Console finisher • Disconnect harness connector. | | | | I | |
| 12 Console box • Remove screws then disconnect harness connector. | | | | | |
| A state of the | | | | | SBT |

| 13 | Glove box • Remove clips. | |
|-----|---|------|
| 14 | Instrument finisher • Remove screws. | |
| 15 | Instrument lower panel on passenger side • Remove screws then disconnect harness | |
| | connector. Then remove passenger air bag module bra Refer to RS-(*1), "SUPPLEMENTAL RESTR SYSTEM" for details. | |
| 16 | Defroster grille | |
| 17 | Instrument mask • Disconnect harness connectors. | |
| 18 | Front pillar garnish • Refer to "SIDE AND FLOOR TRIM" | |
| 19 | for details, (*2). | |
| | Remove bolts and nuts. Then disconnect GPS antenna connector. | |
| 20 | Passenger air bag module • Refer to RS-(*1), "SUPPLEMENTAL RESTR, SYSTEM" for details. | AINT |
| | | |
| | | |
| | | |
| | | |
| | | |
| 1 F | *2 *2 | BT-2 |
| | | |

SC

EL

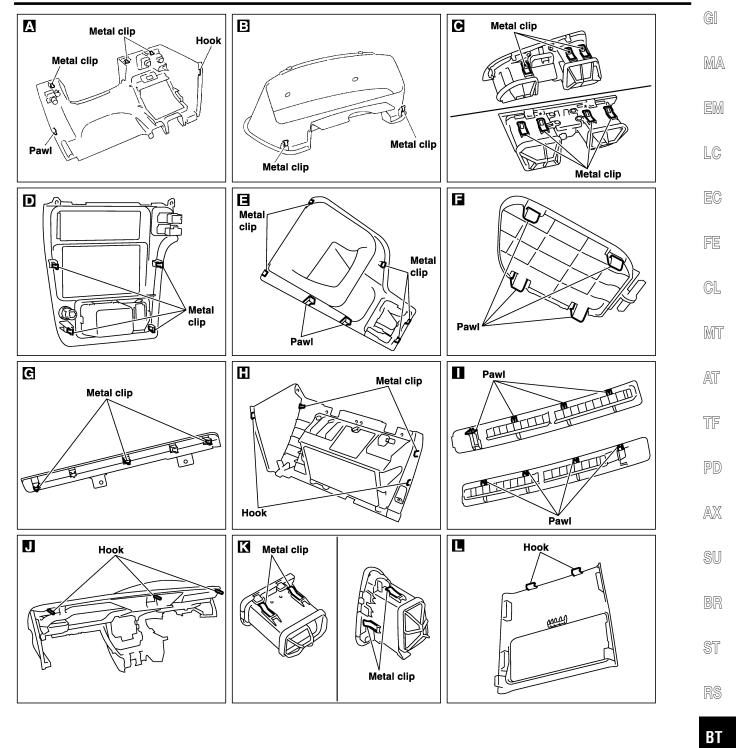
IDX



 \star : Instrument panel assembly mounting bolts & nuts

SBT300A

Removal and Installation (Cont'd)



HA

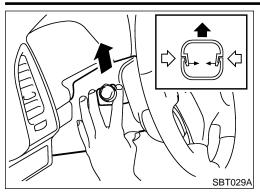
SC

EL

SBT301A

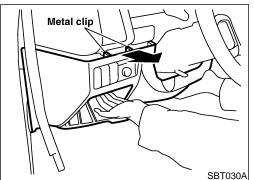
IDX

Removal and Installation (Cont'd)



Steering column cover

After removing the screws, release the pawls by pressing on the upper cover where it meets (the bottom cover) from both sides.



Instrument lower panel on the driver side

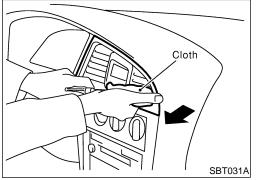
Open the pocket after removing the screws. Hold the opening and the bottom and pull out horizontally.

E Metal clip

Cluster lid A

After removing the screws, hold the bottom and pull out. **CAUTION:**

Cover the surroundings with a cloth to prevent damage.



Center ventilator

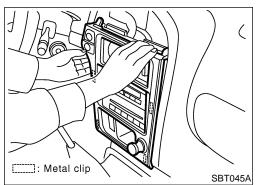
Hook a cloth-covered flat-bladed screwdriver into the right-side groove section, and pull out.

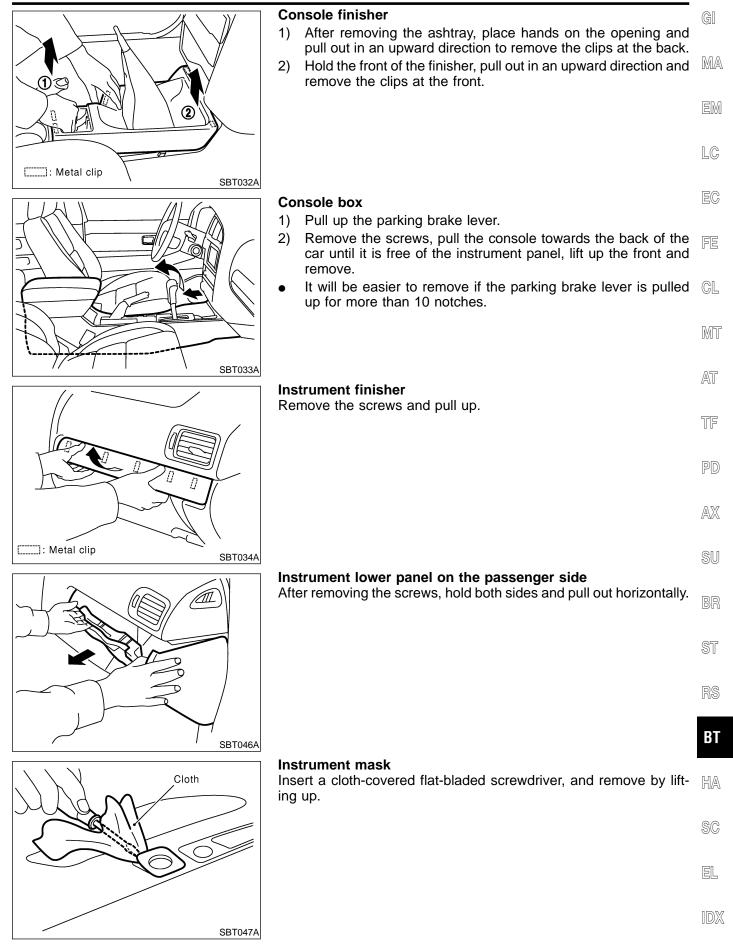
CAUTION:

To prevent the screwdriver from slipping and causing damage to the surface, pull out while applying pressure on the screwdriver towards the right.

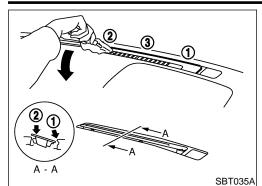
Cluster lid C

After removing the screws, place hands on the metal clip section, and pull forward to remove the metal clips.





Removal and Installation (Cont'd)



Defroster grille

REMOVAL

Insert a cloth-covered flat-bladed screwdriver into the grilles of the outside, center and central grilles, respectively, lift up the front of the grilles and remove.

INSTALLATION

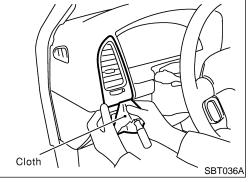
After inserting the front section, insert the rear section (pawls) to attach.

CAUTION:

Confirm that the pawls at the rear are securely attached.

Side ventilator-left

Insert a cloth-covered flat-bladed screwdriver into the lower section, and pull out forward.

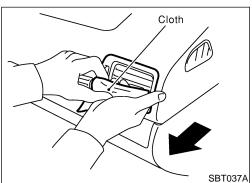


Side ventilator-right

Insert a cloth-covered flat-bladed screwdriver into the corner of the lower section, and pull out forward. (Securely press the screwdriver against the ventilator.) Or, after removing the Instrument lower panel, push the ventilator out from the back.

Side defroster grille

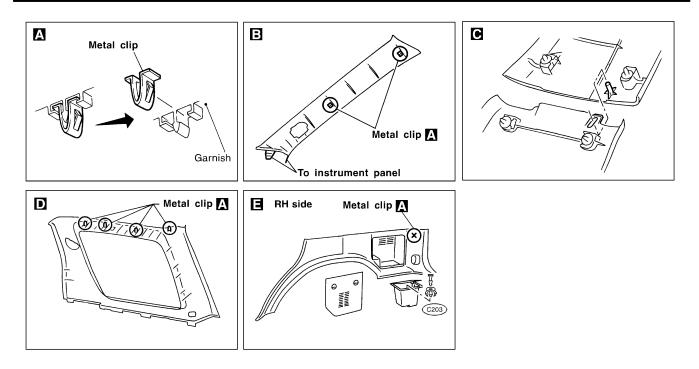
After removing the side ventilator, reach in with hands from the opening, push on the pawls from behind the grille, and remove by pushing out.



SIDE AND FLOOR TRIM

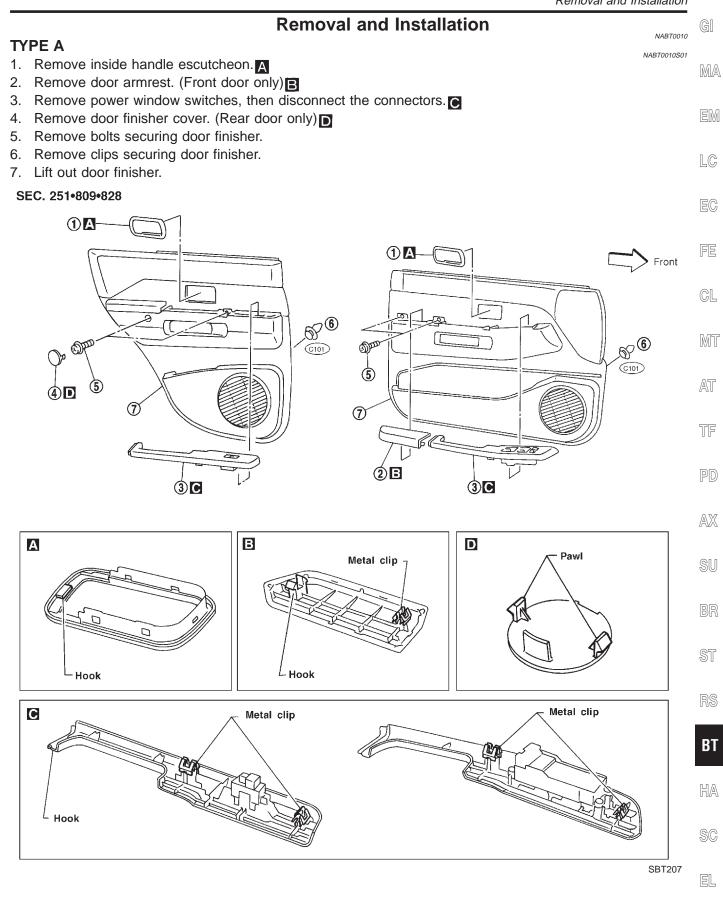
Removal and Installation GI NABT0009 CAUTION: Wrap the tip of flat-bladed screwdriver with a cloth when removing metal clips from garnishes. MA 1. Remove front and rear seats. Refer to "FRONT SEAT" and "REAR SEAT" for details, BT-43, BT-47. 2. Remove front and rear seat belts. Refer to RS-3, "SEAT BELT" for details. 3. Remove front and rear kicking plates. EM 4. Remove dash side lower finishers. 5. Remove front and rear body side welts. LC 6. Remove front pillar garnishes. 7. Remove center assist grips. 8. Remove center pillar lower garnishes. EC 9. Remove center pillar upper garnishes. 10. Remove rear gate kicking plate. FE 11. Remove rear net hooks. 12. Remove tonneau cover assembly and rear parcel holder. 13. Remove rear side lower garnishes. GL 14. Remove rear side upper garnishes. SEC. 678•738•769•799•849 MT Metal clip \Lambda AT (C101) (14) **D** B C203 TF C101) Metal clip 68 PD C101 (12)9 Metal clip 6 ଲ (12) × X କ୍ଷ AX M C C103 \mathbf{X} Metal clip 6 SU (5) g CS101 5 8 Hook 💽 BR 13 🖪 S (C101) (11) 8 ۲ ST 🖉 Hook 🖪 Metal clip A-Metal clip G RS 3 $\widetilde{\mathbf{x}}$ Metal clip BT Metal clip Ì (4) 5 HA SBT694 SC EL IDX

SIDE AND FLOOR TRIM



DOOR TRIM

Removal and Installation



IDX

TYPE B

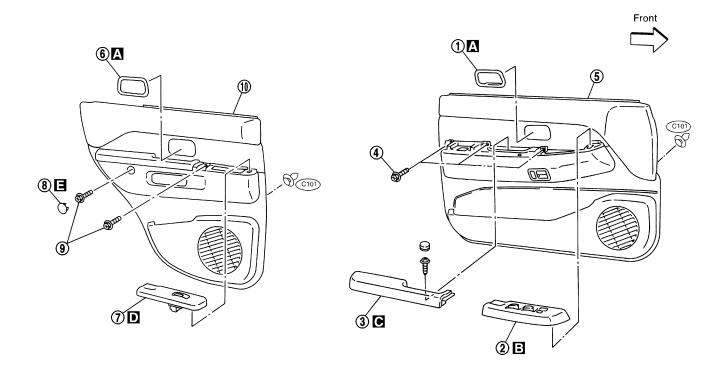
Front Door Trim

- 1. Remove inside handle escutcheon.
- 2. Remove power window switch, then disconnect the connectors.
- 3. Remove door armrest.
- 4. Remove bolts securing door finisher.
- 5. Pull on door finisher to remove clips from door panel and remove door finisher, then disconnect glass hatch and fuel lid opener switch connector.

Rear Door Trim

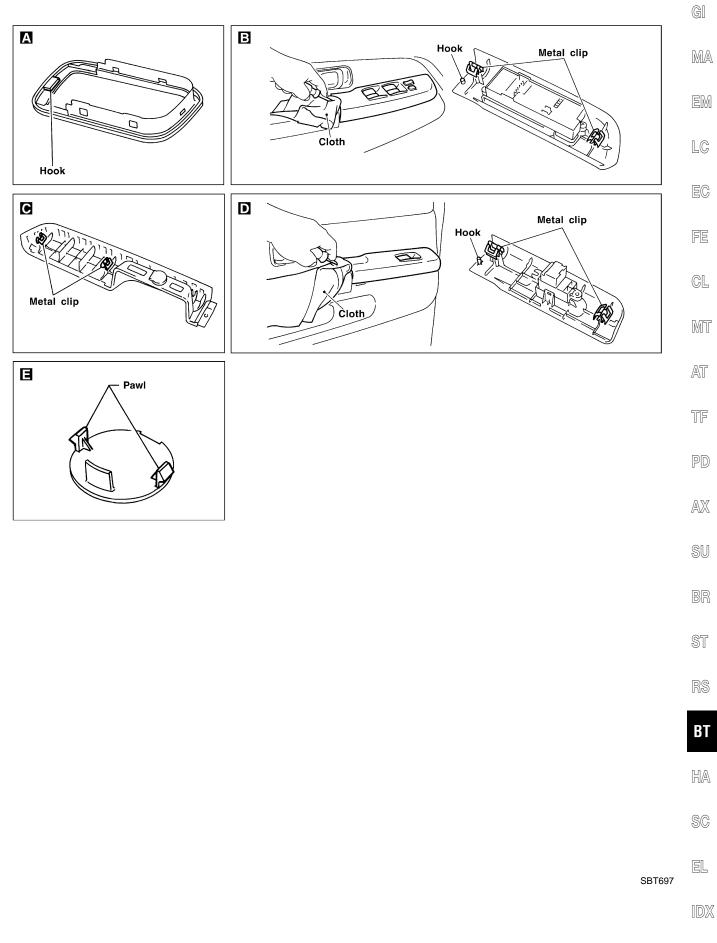
- 6. Remove inside handle escutcheon.
- 7. Remove power window switch, then disconnect the connector.
- 8. Remove door armrest cap.
- 9. Remove bolts securing door finisher.
- 10. Pull on door finisher to remove clips from door panel and remove door finisher.

SEC. 251•809•828



SBT696

DOOR TRIM

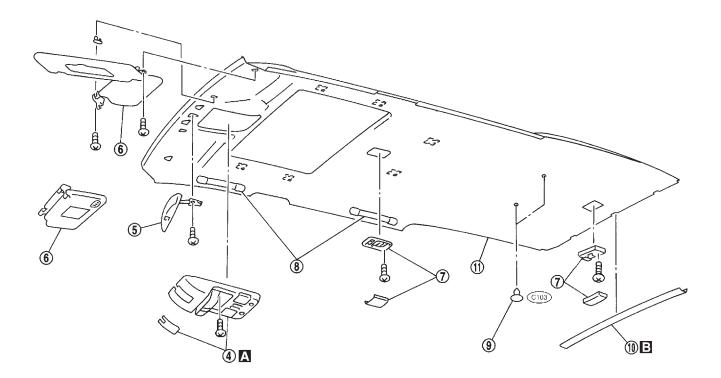


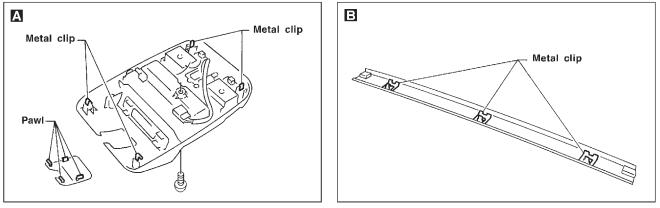
ROOF TRIM

Removal and Installation

- 1. Remove front and rear seats. Refer to "FRONT SEAT" and "REAR SEAT" for details, BT-43, BT-47.
- 2. Remove front and rear seat belts. Refer to RS-3, "SEAT BELTS" for details.
- 3. Remove body side trim. Refer to "SIDE AND FLOOR TRIM" for details, BT-29.
- 4. Remove roof console assembly.
- 5. Remove inside mirror assembly.
- 6. Remove sun visors.
- 7. Remove interior lamp assembly and luggage room lamp assembly.
- 8. Remove assist grips.
- 9. Remove clips securing headlining.
- 10. Remove rear roof garnish.
- 11. Remove headlining from vehicle through either back door.

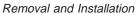
SEC. 264•738•963•964•970



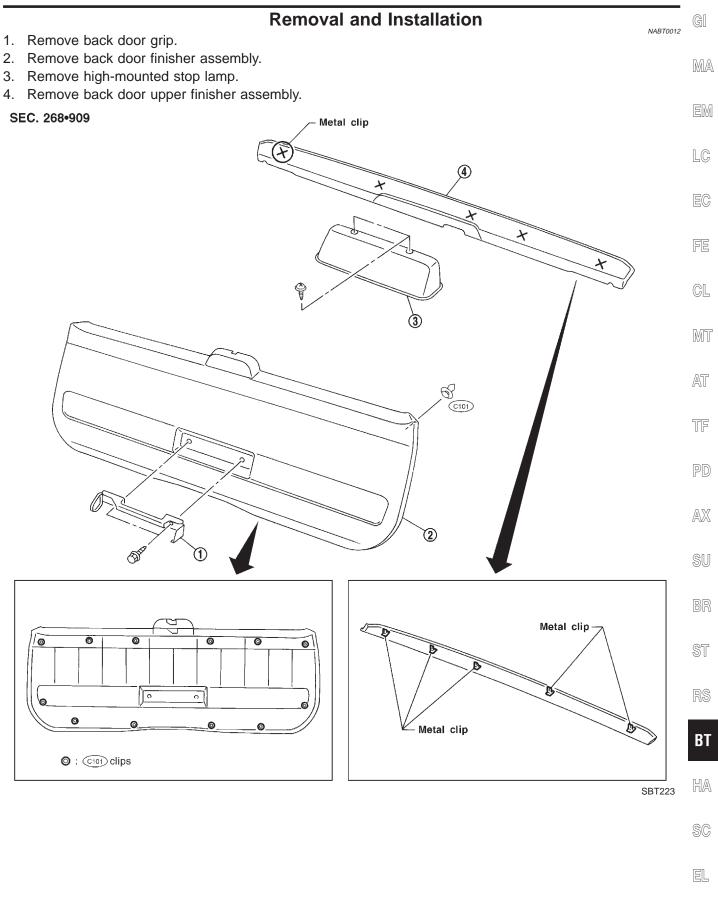


SBT487

BACK DOOR TRIM



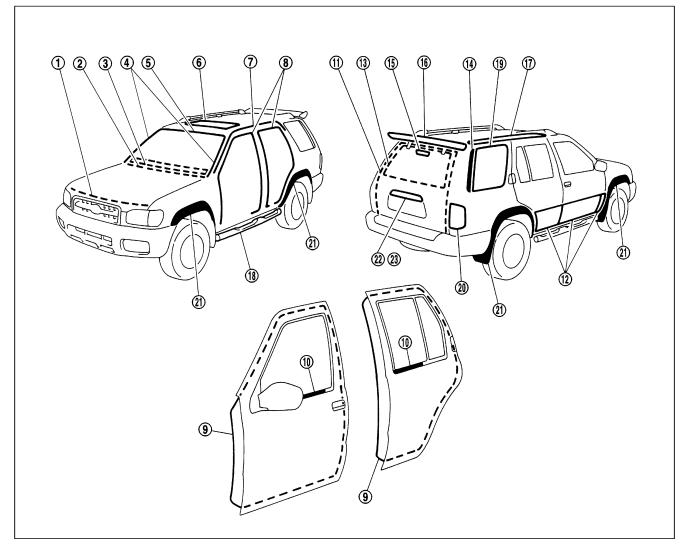
IDX



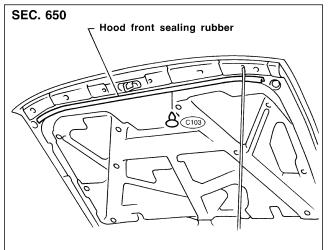
BT-35

Removal and Installation

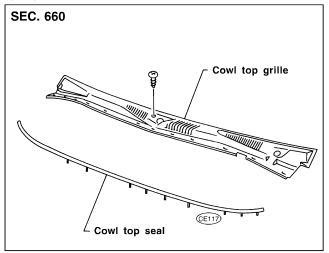




(1) Hood front seal



(2) (3) Cowl top seal and cowl top grille



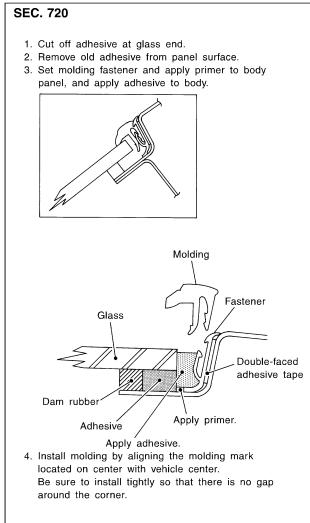
Windshield side molding
 Mounted with screws.

SBT729

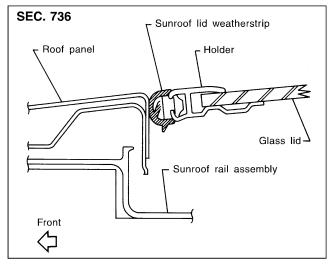


SU

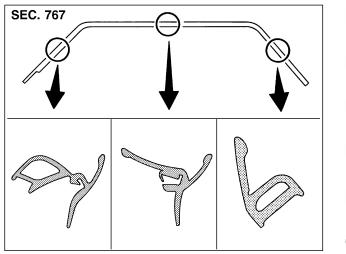
(5) Windshield upper molding



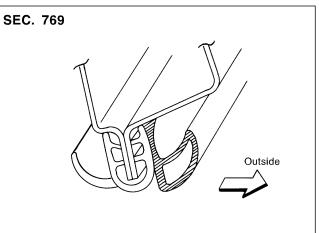
6 Sunroof lid weatherstrip



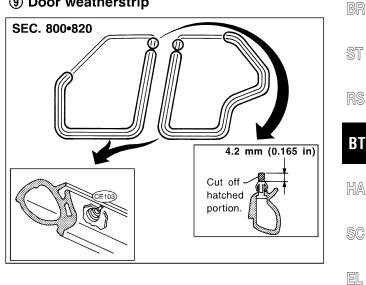
⑦ Drip weatherstrip



(8) Body side welt



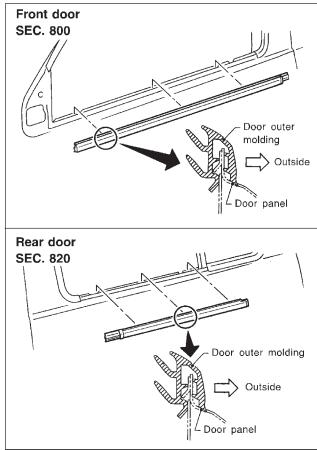
(9) Door weatherstrip



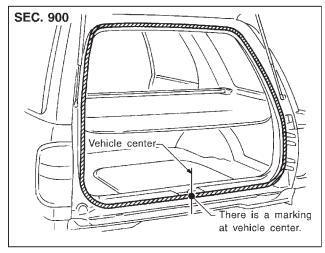
SBT730

EXTERIOR

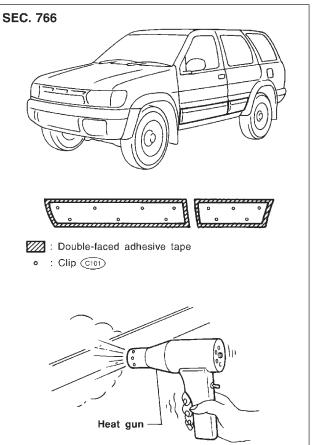
(1) Door outside molding



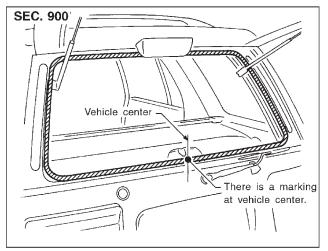
1 Back door weatherstrip



12 Side guard molding



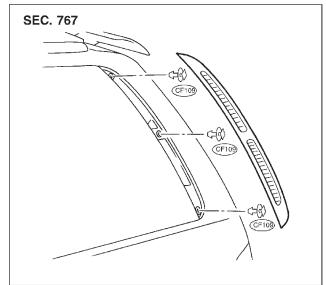
- With a vehicle coated with Hard Clear Coat, use double-faced 3M adhesive tape Product No. 4210 or equivalent, after priming with 3M primer Product No. N-200 or C-100 or equivalent.
- (1) Back door window weatherstrip



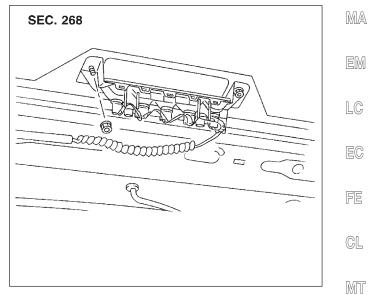
GI

AT

(I) Air outlet grille

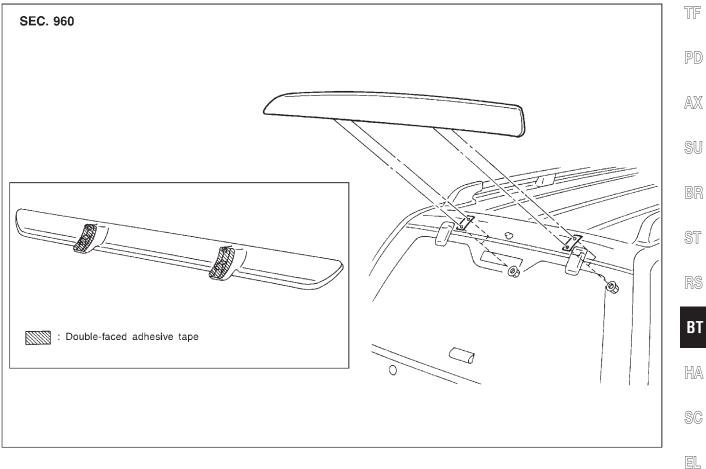


(15) High-mounted stop lamp



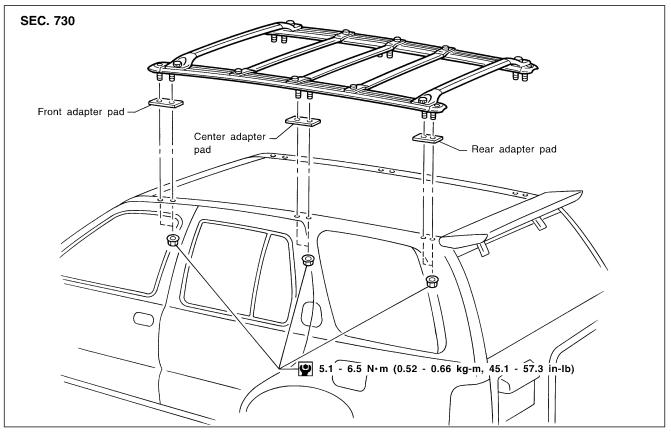
(i) Back door deflector

- When installing, make sure that there are not gaps or waves at ends of deflector.
- Before installing deflector, clean and remove oil from surface where deflector will be mounted.

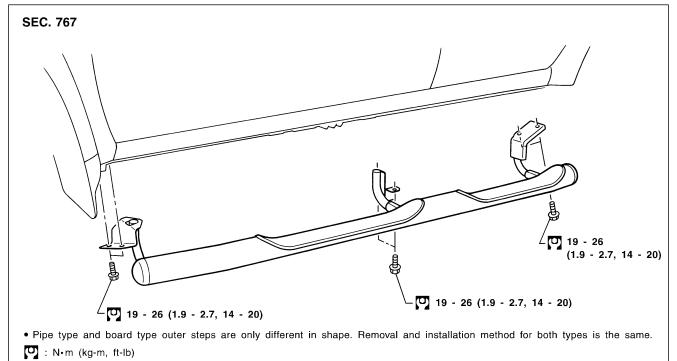


SBT491-A

1 Roof rack



(1) Side step



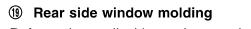
Removal and Installation (Cont'd)

GI

MA

EM

EXTERIOR

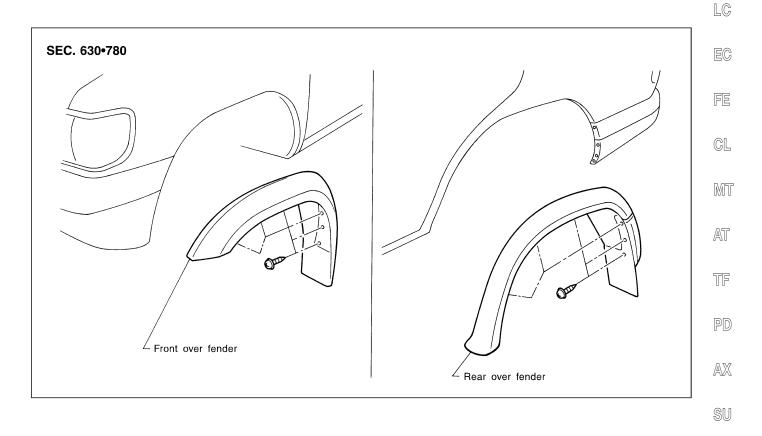


Refer to the applicable sections on the preceding pages.

② Rear combination lamp

Rear combination lamps are installed with nuts.

② Over fender



ST RS

BR

BT

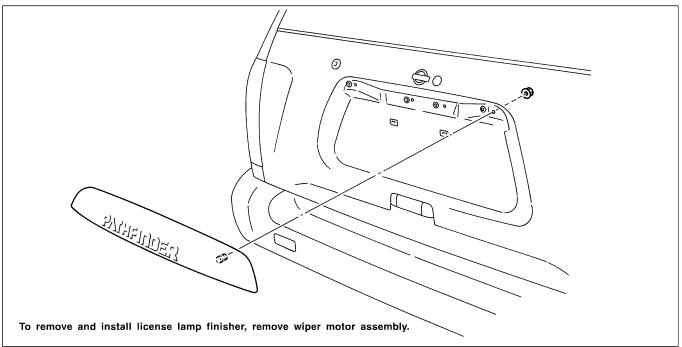
HA

SC

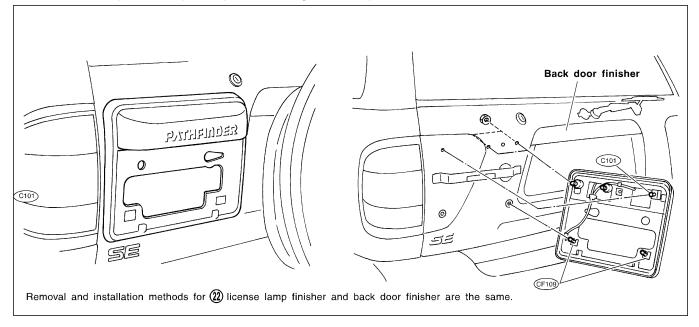
EL

SBT493-A





③ License lamp finisher (With spare tire hanger models)



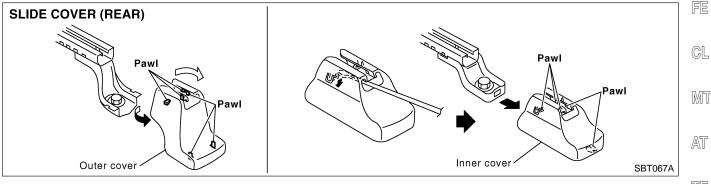
FRONT SEAT

Removal and Installation

- When removing or installing the seat trim, handle carefully to keep dirt out and avoid damage.
- ★ For Wiring Diagram, refer to EL-215, "POWER SEAT".

CAUTION:

- Before removing the front seat, turn the ignition switch off, disconnect both battery cables and wait at least 3 minutes.
- When checking the power seat circuit for continuity using a circuit tester, do not confuse its connector with the side air bag module connector. Such an error may cause the air bag to deploy.
- Do not drop, tilt, or bump the side air bag module installed in the seat. Always handle it with care. .
- Disconnect the side air bag, power seat switch, and heated seat harness connectors from under the seat before removing the seat. EC
- Disconnect the side air bag harness connector before removing the seat back. (Refer to RS-22, "Side Air Bag Module".)



TF

GI

MA

EM

LC

NABT0014

PD

AX

SU

BR

ST

BT

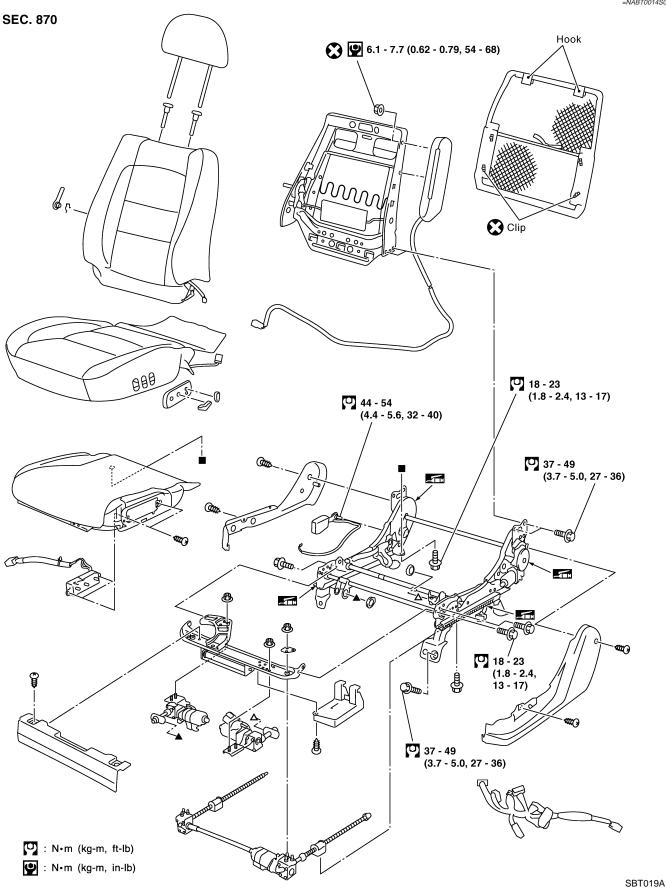
HA

SC

EL

FRONT SEAT

POWER SEAT



FRONT SEAT

MANUAL SEAT GI NABT0014S02 SEC. 870 $\cap \mathcal{C}$ MA EM MM LC (l R С EC (44 - 54 (4.4 - 5.6, 32 - 40) FE ♥ 37 - 49 \ (3.7 - 5.0, 27 - 36) (day 00 -**1**1 CL (Í Ċ [] MT AT 0 AJ, TF ttoO <u>lo</u>g (J))) PD ٥ Ø 37 - 49 (1.8 - 23 (1.8 - 2.4, 13 - 17) 🕐 : N•m (kg-m, ft-lb) (3.7 - 5.0, 27 - 36) AX SBT020A

- SU
- BR

200

ST

RS

BT

HA

SC

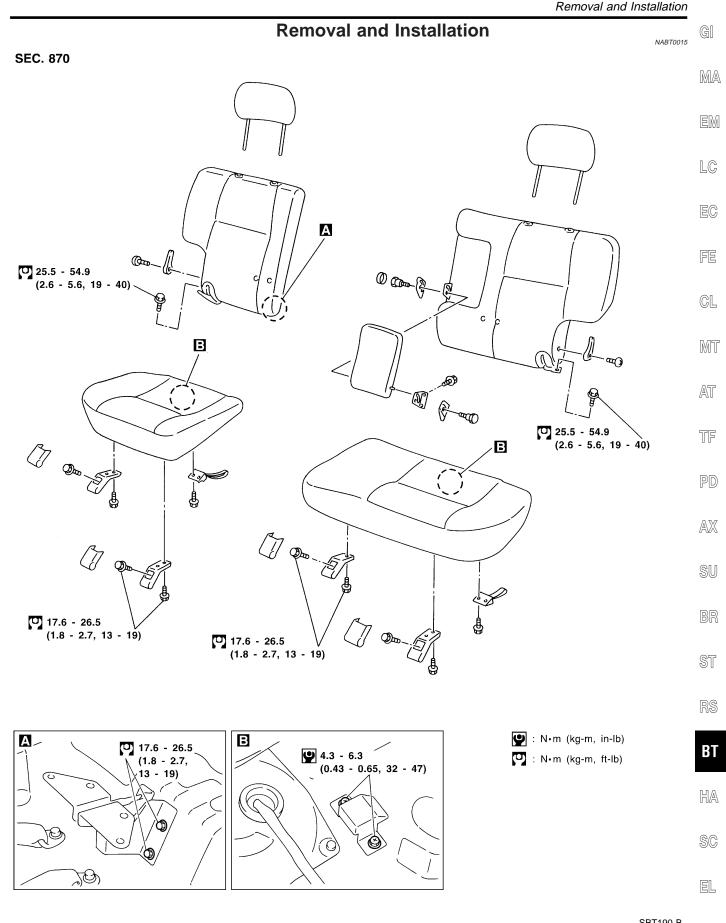
EL

HEATED SEAT

- When handling seat, be extremely careful not to scratch heating unit.
- To replace heating unit, seat trim and pad should be separated.
- Do not use any organic solvent, such as thinner, benzene, alcohol, gasoline, etc. to clean trims.
- ★ For Wiring Diagram, refer to EL-217, "HEATED SEAT".

REAR SEAT

Removal and Installation

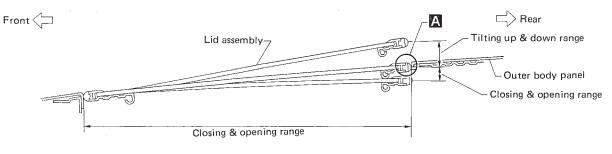


SBT190-B IDX

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 vehicles harness.
- 3. Set lid assembly to fully closed position A by operating OPEN switch and TILT switch. After the lid has closed all the way, keep pushing the tiling switch toward tilt DOWN for more than 1 second.
- 4. Fit outer side of lid assembly to the surface of roof on body outer panel.
- 5. Press TILT-UP switch to check lid assembly for normal tilting.
- 6. Check sunroof lid assembly for normal operations (tilt-up, tilt-down, open, and close).



SBF920F

NABT0016

Contents of Working

Contents of Working

| Contents of Working | | | | | =NABT0034 | GI | | | | | |
|--|-------------------|---------------|-----------------|---------|--------------|---------------------------------|-----------|---------|---------------------------|---------|----------|
| Lid working | , conditic | n | 1 Tilt fu | ll open | | | | 2 3 | 4 5 6 | | MA |
| Switch conditio | Rang | e | Tilt A Range | | | o down ndition Slide Rang | | | | | EM |
| Switch conditio | | \rightarrow | ← ` → | | | | | | | - | LC |
| Pre-select switch (Auto working) | 1st →6 | Sth | | | | | | | ┥ ┥ ゝ ┥ | | EC |
| Closing & opening range | 6th \rightarrow | 1st | < | | | | | | ~~~ | | |
| Tilt switch (Manual working) | Up | | > | | | | | | | | CL |
| Tilting up & down range | Dow | n | ← | | | | | | | | MT |
| Jam protection Reverse working | Oper | ו | | | | - | | | | | AT |
| range | Close | d | | | ◄ | | | | | | TF |
| Pre-select switch i 1st level: Closed 6th level: Full oper | | Sth leve | I. | | | | | | | SBT254A | if PD |
| Condition | | | | Tilt | | | | Pre-se | elect | | |
| Condition | | | | Manual | | | | Aut | 0 | | AX |
| Ignition (timer) |) | Ν | ormal workin | g | Reverse work | ing | Normal wo | rking | Reverse work | ing | <u></u> |
| ON | | | 0 | | Х | | ⊜*1 | | 0 | | SU |
| OFF | | | Х | | Х | | Х | | X*2 | | |

 \bigcirc : Working

X: Not working

*1: Auto doesn't work if the position is not at the initial starting position.

*2: The motor keeps moving in reverse motion until finishing the reverse working.

ST

BR

RS

BT

HA

SC

EL

Contents of Switch Working

Priority of each switch is as follows.

=NABT0035

| | | Tilt switch | | Slide switch (Pre-select) | | |
|---------------|--|--|--------------|---|-------------------------------|--|
| | | Up Down | | Open | Close | |
| Tilt A range | Tilting up/down & sliding open/close | Motor stop | ~ | Follow switch input | ← | |
| ge | Reverse turning | Reverse turn continued | \leftarrow | Reverse turn continued | ~ | |
| | Sliding open | Operate to tilt full open and stop | \leftarrow | Follow switch input | ~ | |
| Tilt B range | Sliding close After continued operation, s at tilt full open position | | ~ | Follow switch input | ~ | |
| | Reverse turning | Reverse turn continued | \leftarrow | Reverse turn continued | ← | |
| Flap range | Sliding open | After continued operation, stop at flap down position | ~ | Follow switch input | ~ | |
| | Sliding close | Operate to flap down position and stop | ~ | Follow switch input | ← | |
| | Reverse turning | Reverse turn continued | \leftarrow | Reverse turn continued | ← | |
| | Sliding open | Motor stop | ~ | Follow switch input | ← | |
| Slide range - | Sliding close | Motor stop | ~ | Follow switch input | ← | |
| | Reverse turning | everse turning Reverse turn continued | | After reverse turn, continued, follow switch input | Reverse turn contin ued | |

JAM PROTECTION

Reverse working is as follows.

NABT0035S01

| | Operation direction | Reverse turn distance | |
|---------------------|---------------------|----------------------------|--|
| Tilt A range | Open operation | Tilt full open position | |
| Tilt B & flap range | Open operation | Tilt full open position | |
| Flap range | Close operation | Flap down position | |
| Slide A range | Close operation | 125 mm (4.92 in) min. | |
| Slide B range | Close operation | 125 mm (4.92 in) min. (*1) | |

(*1): Full open position [In case of reverse start position, full open position is within 125 mm (4.92 in).]

CAUTION:

Don't pinch a foreign object or your body on purpose.

Removal and Installation

- 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.

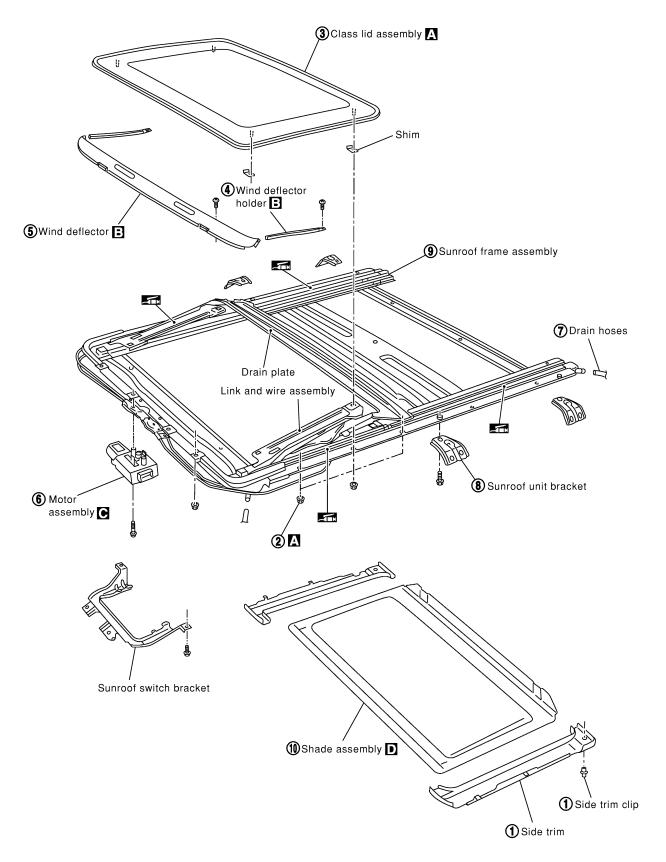
CAUTION:

- Always work with a helper.
- Before removal, fully close the glass lid assembly, then after removal, do not move motor assembly.

BT-50

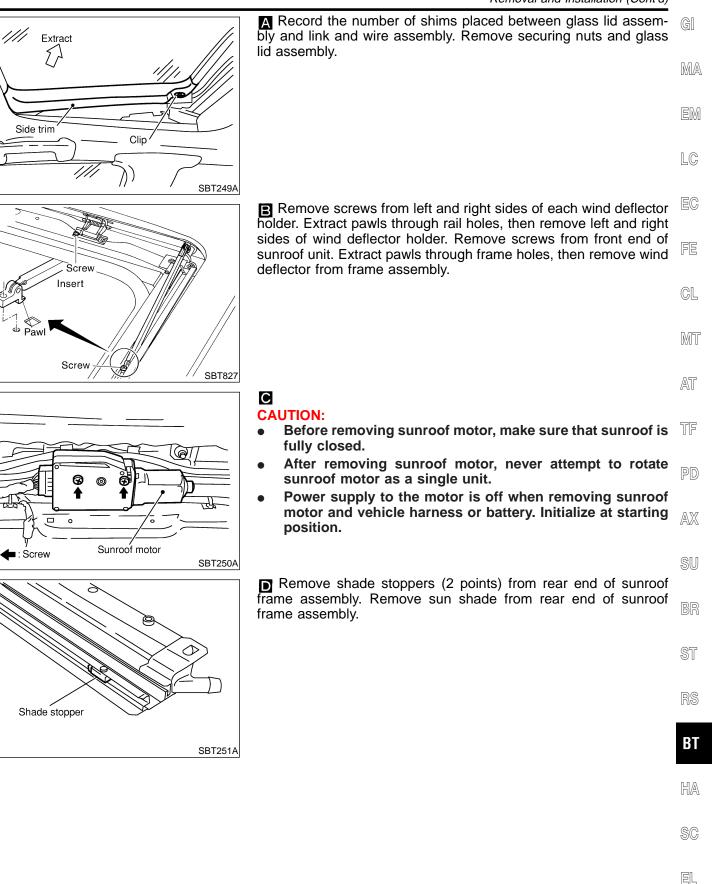
Removal and Installation (Cont'd)

| Tilt glass lid up. Side trim • Remove side trim clips. | MA EM |
|--|----------|
| Remove side trim clips. | EM |
| | |
| Sunroof lid mount nuts | LC |
| Lid assembly | |
| 4 Rear drain mount screws | EC |
| 5 Rear drain assembly | FE |
| Operate sunroof switch to tilt glass lid down. 6 Shade assembly | CL |
| Sunroof switch/interior accessories/headlining | MT |
| Refer to "ROOF TRIM" for details, (*1). | |
| 8 Motor assembly | AT |
| 9 Wind deflector holder B1-B3 | TF |
| 10 Wind deflector mount screw | PD |
| 11 Wind deflector assembly | ۸W |
| 12 Drain hoses | AX |
| 13 Sunroof unit bracket 14 Sunroof frame assembly | SU |
| 15 Guide stopper | BR |
| 16 Rear guide | ST |
| 17 Link and wire assembly ★ For Wiring Diagram, refer to EL-(*2), "POWER SUNROOF". | |
| SBT515-D | RS |
| *1 BT-34 *2 EL-208 | BT |
| | HA |
| | SC |
| | 96 |
| | EL |
| | IDX |



SBT252A

Removal and Installation (Cont'd)



1DX

Trouble Diagnoses DIAGNOSTIC TABLE Sunroof is malfunctioning

=NABT0018

NABT0018S01

| Procedure | Malfunctioning item | | | |
|--|---------------------|--------------------------------|--|--|
| 1. Check power supply. (*1) OK | | Replace battery. | | |
| 2. Is the position initialized at starting position? Yes | No | Initialize the sunroof switch. | | |
| 3. Check sunroof switch. Is correct voltage value or resistance value at each position? Does occur chattering? | NG | Replace the sunroof switch. | | |
| Replace suproof motor | | | | |

Replace sunroof motor.

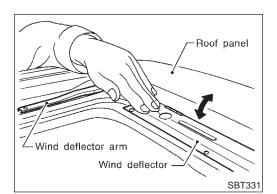
*1: If voltage between terminal 1 (Input voltage) and terminal 8 (ground) of sunroof motor is less than approx. 8V, do not operate.

NOTE:

For diagnosing electric problem, refer to EL-211, "POWER SUN-ROOF".

| | | Check items (Components) | | | | |
|---------|--------------------------------|--------------------------|------------|-------------|--------------|---------------------------|
| | | Wind deflector | Adjustment | Drain hoses | Weatherstrip | Link and wire assembly |
| | Reference page | BT-54 | BT-55 | BT-56 | BT-57 | BT-57 |
| Symptom | Excessive wind noise | 1 | 2 | | 3 | |
| | Water leaks | | 1 | 2 | 3 | |
| | Sunroof rattles | | 1 | 4 | 2 | 3 |
| | Excessive opera- tion noise | | 1 | | 2 | 3 |

The numbers in this table mean checking order.

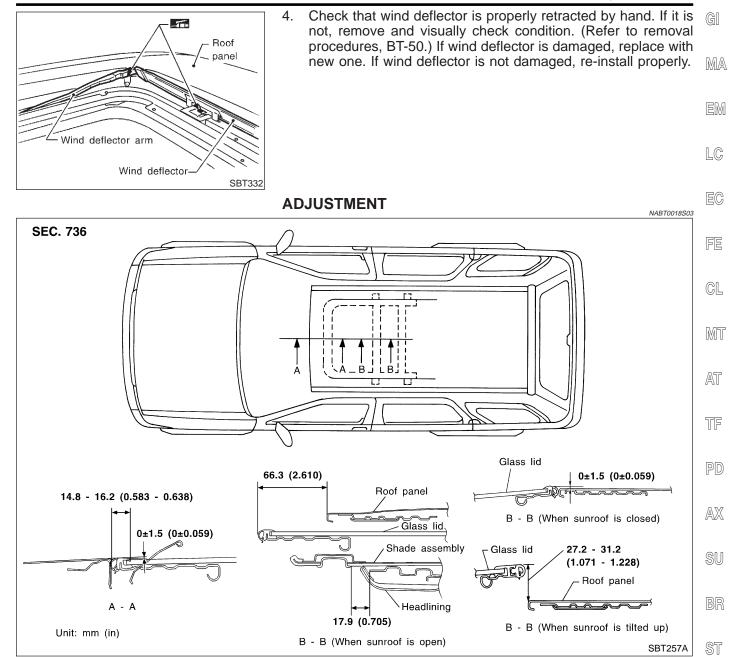


WIND DEFLECTOR

NABT0018S02

- 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.

Trouble Diagnoses (Cont'd)



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

Gap Adjustment

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

IDX

EL

BT

HA

NABT0018S0301

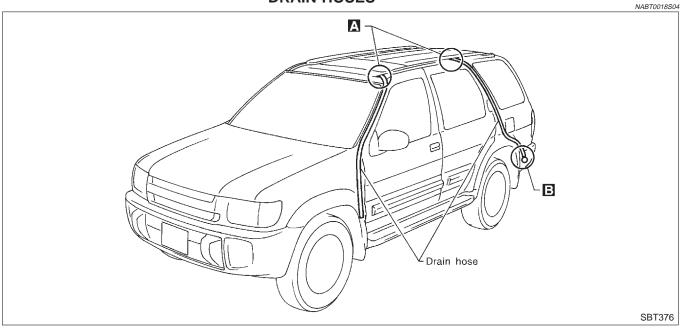
BT-55

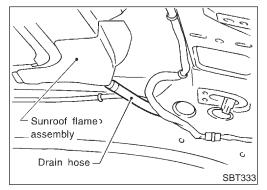
Height Difference Adjustment

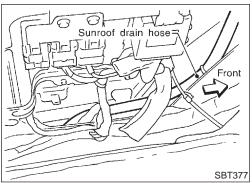
NABT0018S0302

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

DRAIN HOSES







- 1. Remove headlining to access drain hose connections. (Refer to "Removal and Installation" in "ROOF TRIM", BT-34, for detail.)
- 2. Check visually for proper connections, damage or deterioration. A (The figure shows only the front side.)

- 3. If leakage occurs around luggage room, remove luggage room side trim and check connecting area. Check for proper connection, damage or tear.
- 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

- NABT0018S05 In the case of leakage around glass lid, close glass lid and pour • water over glass lid to find damaged or gap portion, remove MA glass lid assembly. (Refer to removal procedures, BT-50, for details.)
- Check weatherstrip visually for any damage, deterioration, or • EM flattening.
- If any damage is found, replace weatherstrip.

CAUTION:

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

LINK AND WIRE ASSEMBLY

NOTE:

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

- Visually check to determine if a sufficient amount of petroleum 1. jelly has been applied to wire or rail groove. If not, add petro-CL leum jelly as required.
- 2. Check wire for any damage or deterioration. If any damage is MT found, remove rear guide (refer to removal procedures, BT-50 for details), then replace wire.

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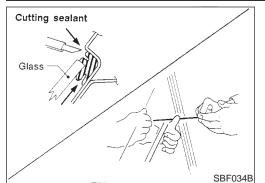
SU

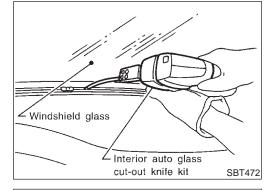
BT

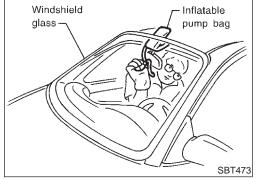
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WINDSHIELD AND WINDOWS

Removal and Installation REMOVAL

NABT0019

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

WARNING:

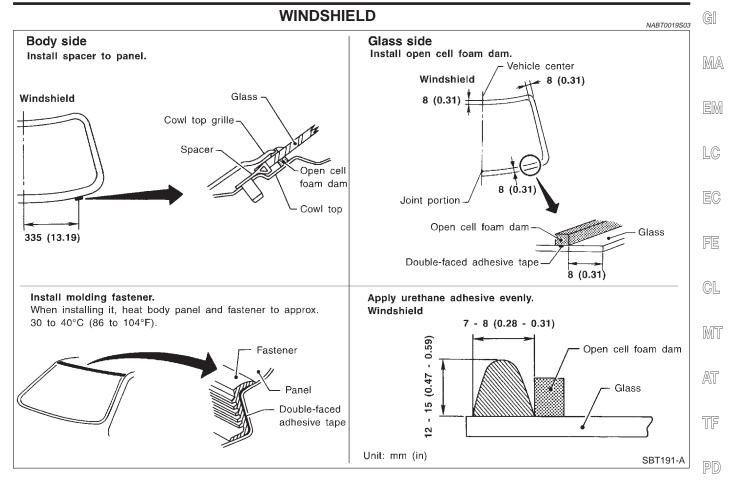
- Keep heat and open flames away as primers and adhesive are flammable.
- The materials contained in the kit are harmful if swallowed, and may irritate skin and eyes. Avoid contact with the skin and eyes.
- Use in an open, well ventilated location. Avoid breathing the vapors. They can be harmful if inhaled.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

CAUTION:

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

WINDSHIELD AND WINDOWS

Removal and Installation (Cont'd)



Repairing Water Leaks for Windshield

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

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

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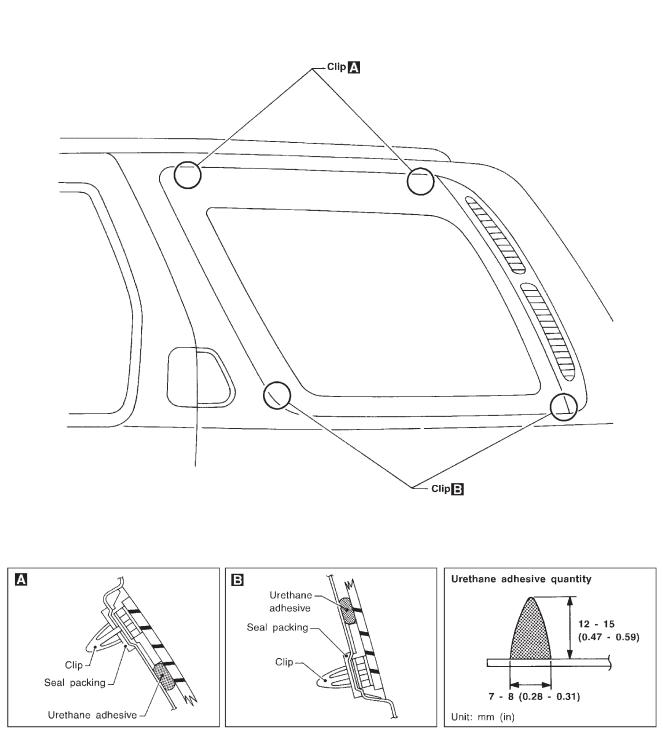
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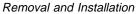
REAR SIDE WINDOW

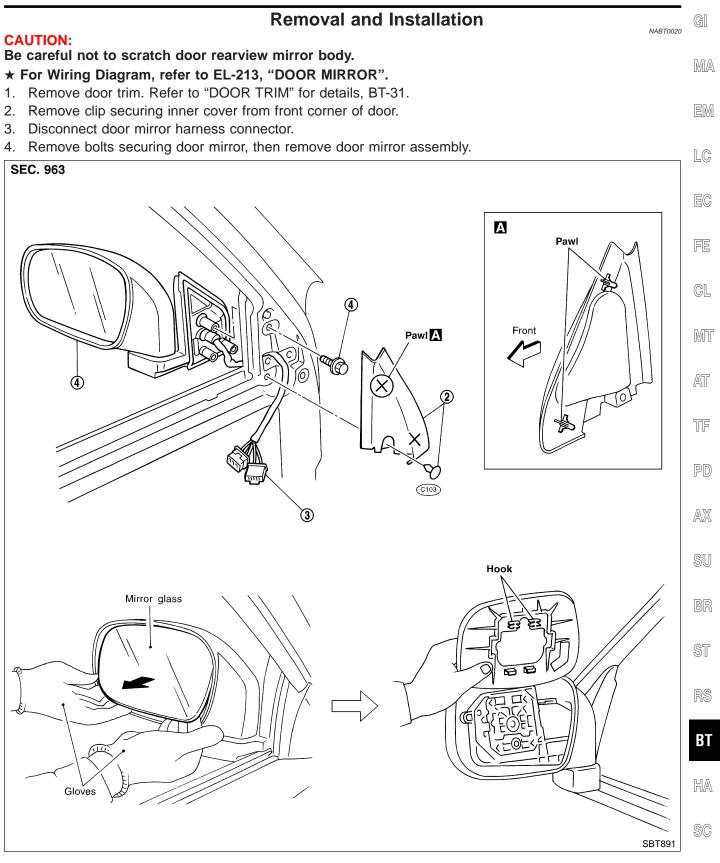
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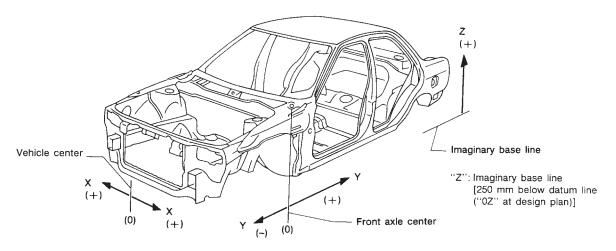




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Alignment

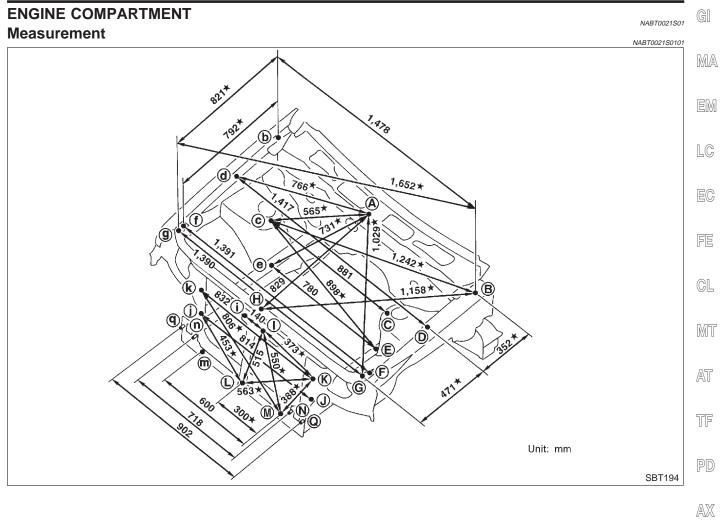
- All dimensions indicated in figures are actual ones.
- When using a tracking gauge, adjust both pointers to equal length. Then check the pointers and gauge itself to make sure there is no free play.
- When a measuring tape is used, check to be sure there is no elongation, twisting or bending.
- Measurements 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".



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Alignment (Cont'd)



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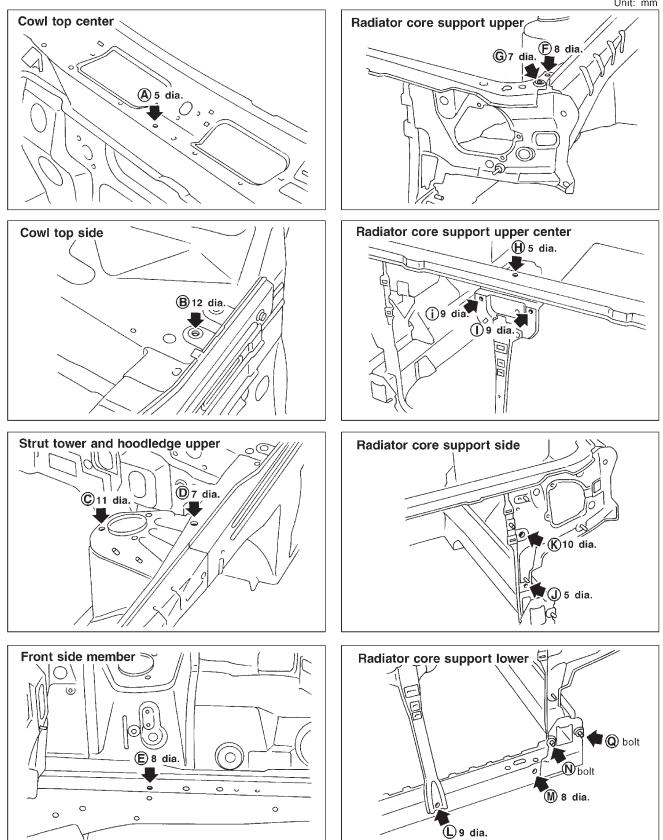
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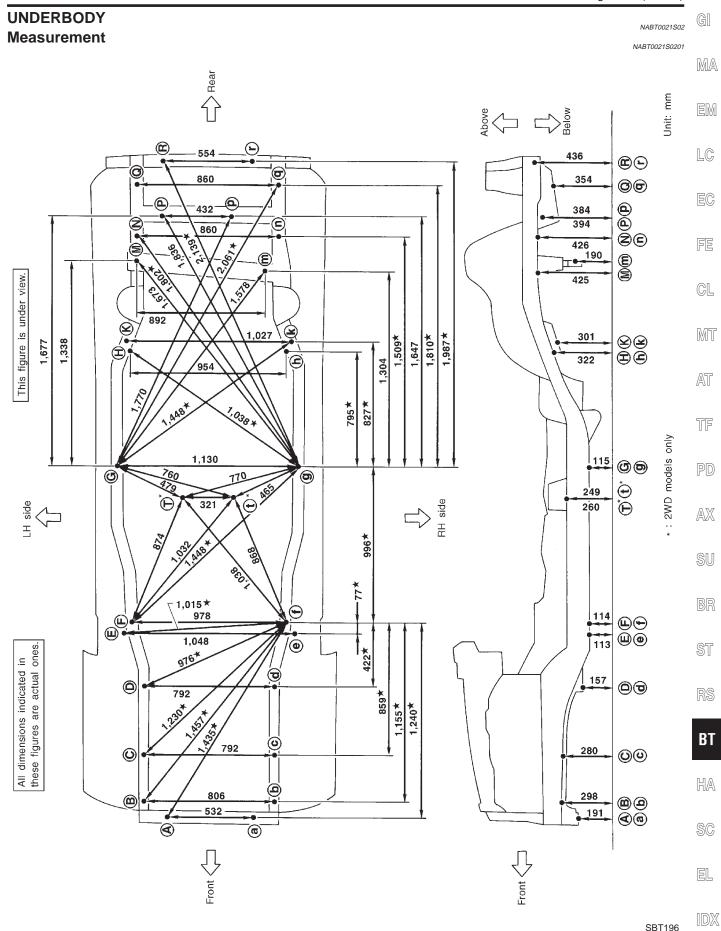
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Measurement Points

NABTO021S0102 Unit: mm



Alignment (Cont'd)



BT-65

Measurement Points

