BODY & TRIM GI

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SECTION

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CL

CONTENTS

PRECAUTIONS	3
Supplemental Restraint System (SRS) "AIR	
BAG" and "SEAT BELT PRE-TENSIONER"	3
PREPARATION	
Special Service Tools	
Commercial Service Tool	
SQUEAK AND RATTLE TROUBLE DIAGNOSES	
Work Flow	
CUSTOMER INTERVIEW	
DUPLICATE THE NOISE AND TEST DRIVE	
CHECK RELATED SERVICE BULLETINS	
LOCATE THE NOISE AND IDENTIFY THE ROOT	
CAUSE	6
REPAIR THE CAUSE	6
CONFIRM THE REPAIR	7
Generic Squeak and Rattle Troubleshooting	7
INSTRUMENT PANEL	
CENTER CONSOLE	
DOORS	
TRUNK	
SUNROOF/HEADLINER	
SEATS	
UNDERHOOD	
Diagnostic Worksheet	
CLIP AND FASTENER	
Description	
BODY FRONT END	
Removal and Installation	
FRONT BUMPER ASSEMBLY	
BODY REAR END AND OPENER	16
Removal and Installation	
REAR BUMPER ASSEMBLY	16
FRONT DOOR	19
Overhaul	19
Front Door Limit Switch Reset	20
RESET CONDITIONS	20
RESET PROCEDURES	20
REAR DOOR	21
Overhaul	21
INSTRUMENT PANEL ASSEMBLY	22

Removal and Installation	MT
SIDE AND FLOOR TRIM	
Removal and Installation	
DOOR TRIM	AT
Removal and Installation	
TYPE A	TP
TYPE B	TF
ROOF TRIM	
Removal and Installation	PD
BACK DOOR TRIM	rø
Removal and Installation35	
EXTERIOR	AX
Removal and Installation	
FRONT SEAT	
Removal and Installation43	SU
POWER SEAT44	00
MANUAL SEAT45	
HEATED SEAT46	BR
REAR SEAT	
Removal and Installation47	
SUNROOF	ST
Adjustment48	
Removal and Installation	60
Trouble Diagnoses	RS
DIAGNOSTIC TABLE	
WIND DEFLECTOR	BT
ADJUSTMENT	DI
DRAIN HOSES	
WEATHERSTRIP	HA
LINK AND WIRE ASSEMBLY55	0 0/~2
WINDSHIELD AND WINDOWS	
Removal and Installation56	SC
REMOVAL	00
INSTALLATION	
WINDSHIELD	EL
REAR SIDE WINDOW	
DOOR MIRROR	
Removal and Installation59	IDX
BODY (ALIGNMENT)	
Alignment	

CONTENTS (Cont'd)

ENGINE COMPARTMENT	ENGINE COMPARTMENT61	UNDERBODY63
--------------------	----------------------	-------------

PRECAUTIONS

Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

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 MA 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 EM The Supplemental Restraint System consists of driver air bag module (located in the center of the steering wheel), front passenger air bag module (located on the instrument panel on passenger side), seat belt pre-tensioners, a diagnosis sensor unit, warning lamp, wiring harness and spiral cable. LC For a side collision The Supplemental Restraint System consists of side air bag module (located in the outer side of front seat), satellite sensor, diagnosis sensor unit (one of components of air bags for a frontal collision), wiring harness, warning lamp (one of components of air bags for a frontal collision). Information necessary to service the system safely is included in the **RS section** of this Service Manual. WARNING: To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed GL by an authorized NISSAN dealer. Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air MT Bag Module, see the RS section. Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this AT Service Manual. Spiral cable and wiring harnesses covered with vellow insulation tape either just before the harness connectors or for the complete harness are related to the SRS.

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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.

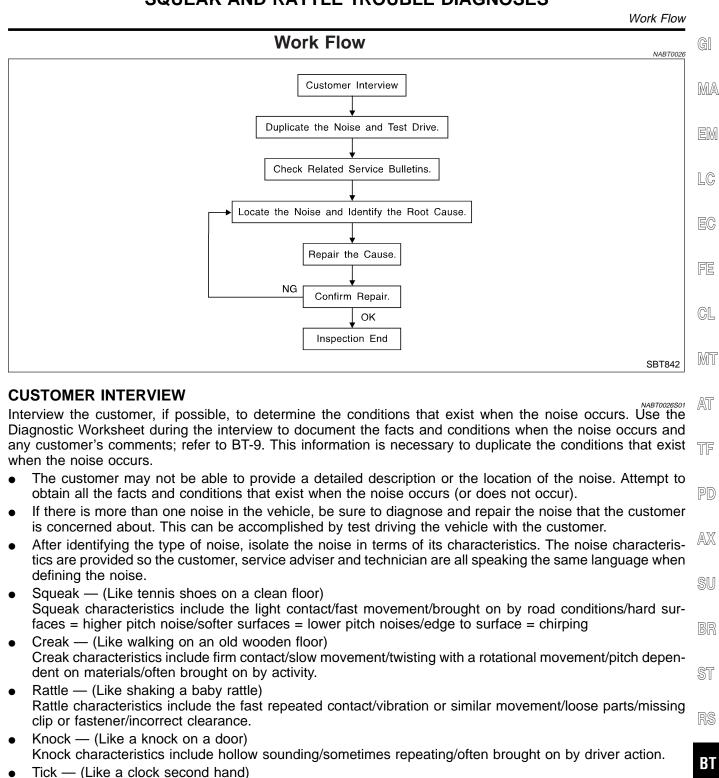
NABT0024

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

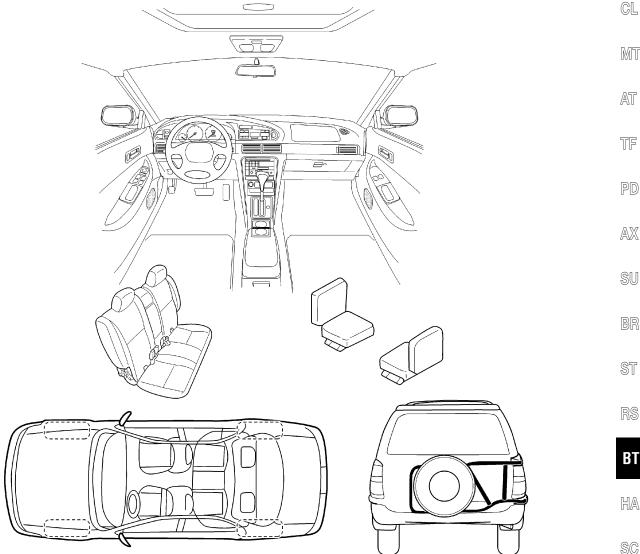
NISSAN

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 customer - Noise verified on test drive - Noise source located and repaired - Follow up test drive performed to confirm repair				
VIN:	Customer Name: _			
W.O. #:	Date:	_		

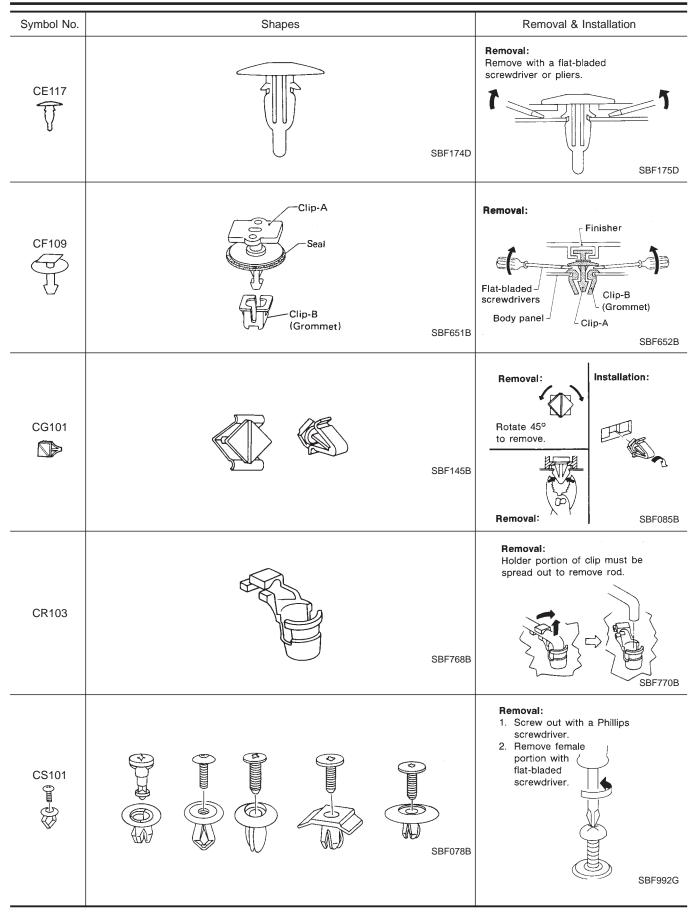
This form must be attached to Work Order

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

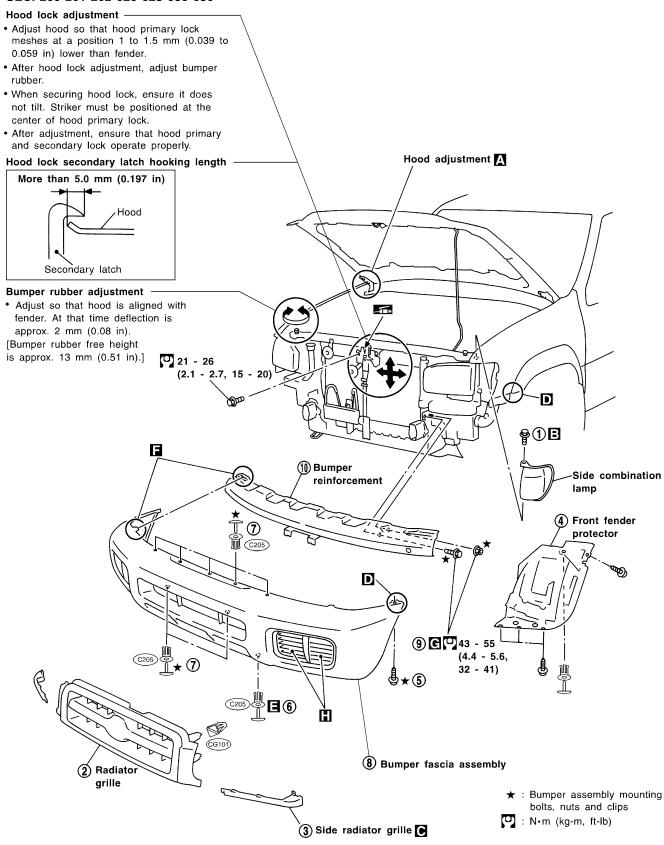
Description (Cont'd)



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

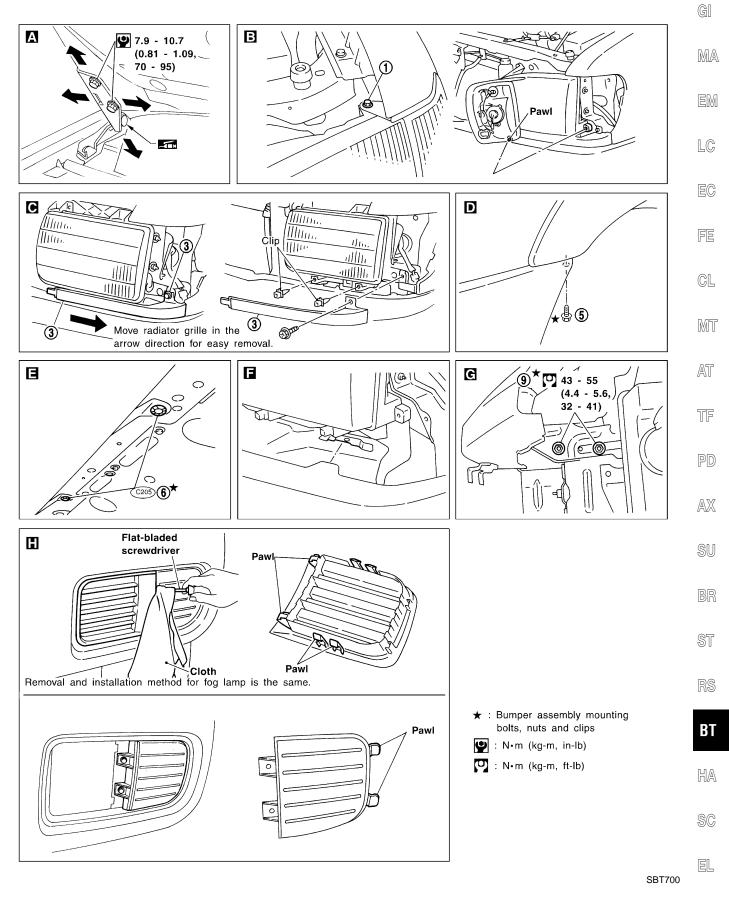
SEC. 260•261•262•620•623•630•650



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.

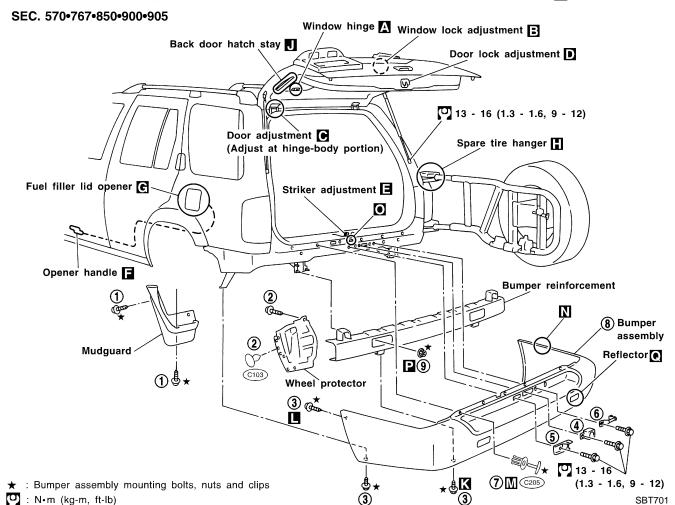
WARNING:

- 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

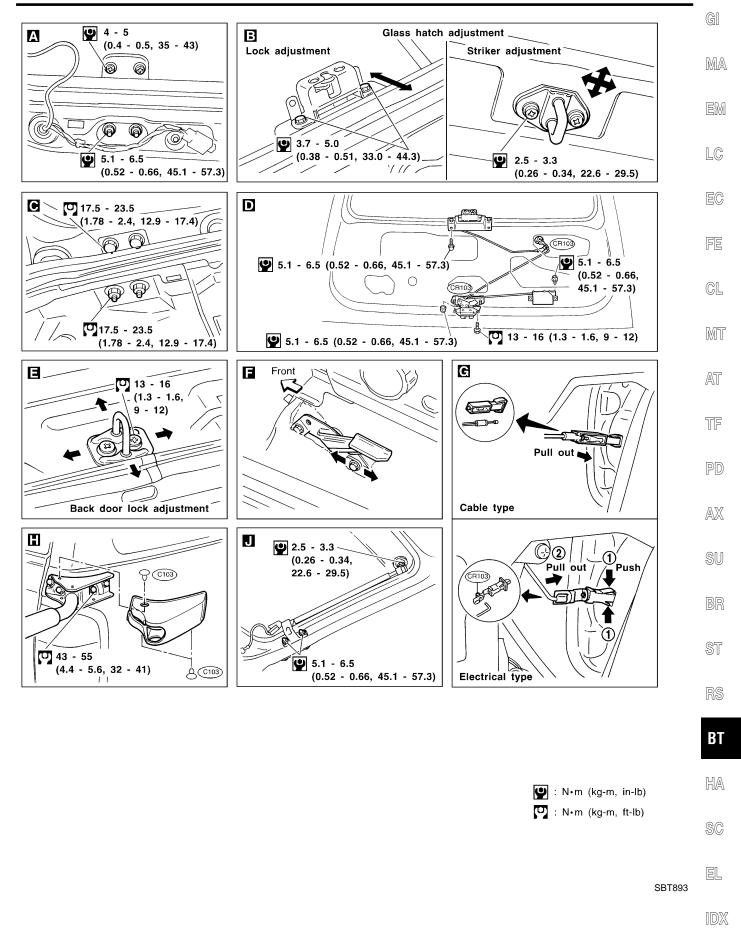
REAR BUMPER ASSEMBLY

- 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. M
- 8. Extract bumper assembly.
- 9. Remove nuts securing bumper reinforcement and remove the bumper reinforcement.

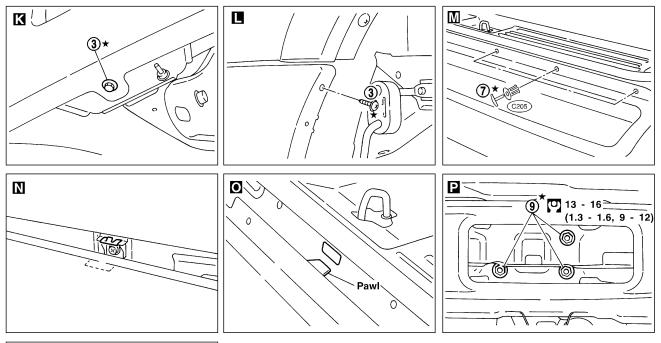


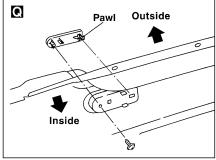
BODY REAR END AND OPENER

Removal and Installation (Cont'd)



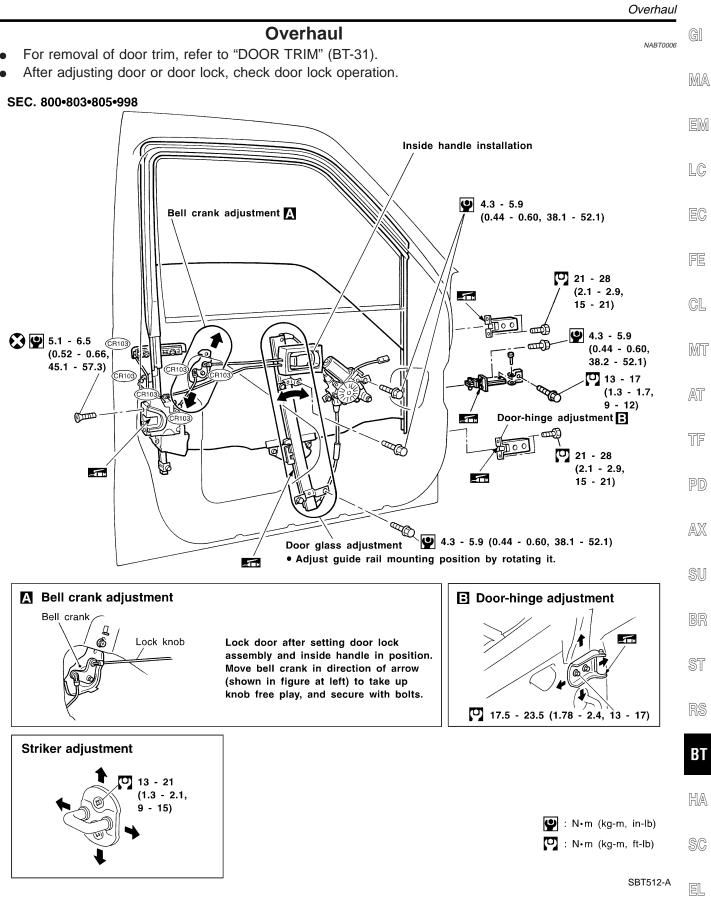
BODY REAR END AND OPENER





★ : Bumper assembly mounting bolts, nuts and clips
 ♥ : N•m (kg-m, ft-lb) SBT703

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

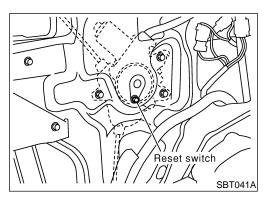
RESET PROCEDURES

After installing parts, proceed as follows:

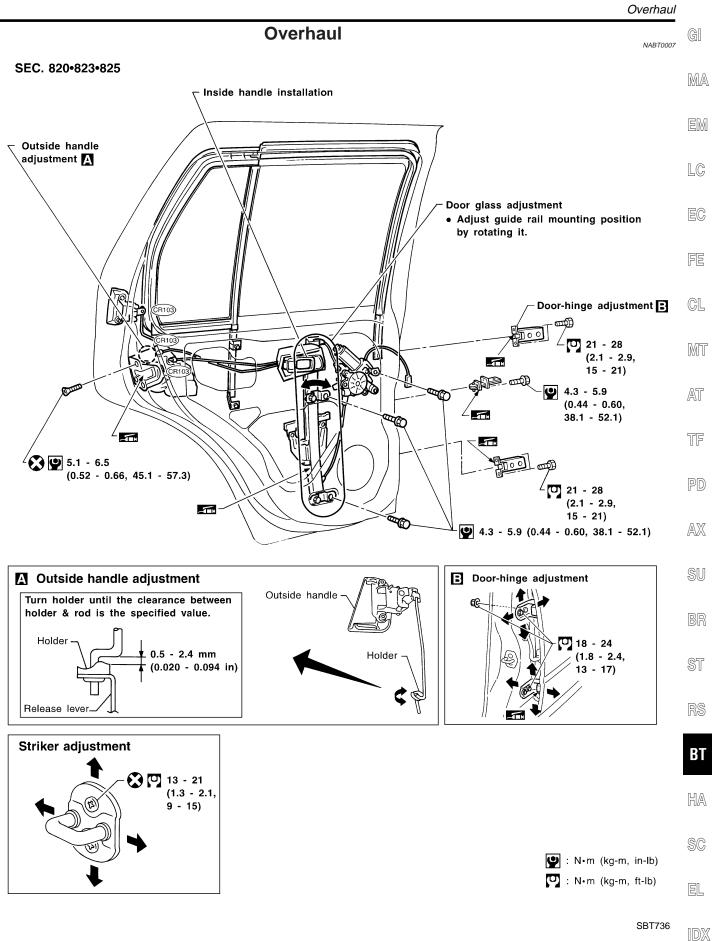
- 1. Close the door window completely.
- 2. Press the reset switch and open the door window completely.
- 3. Release the reset switch. After making sure the reset switch has returned to the original position, close the door window completely.
- 4. The limit switch is now reset.

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:

•

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

NABT0008

Refer to EL-189, "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.

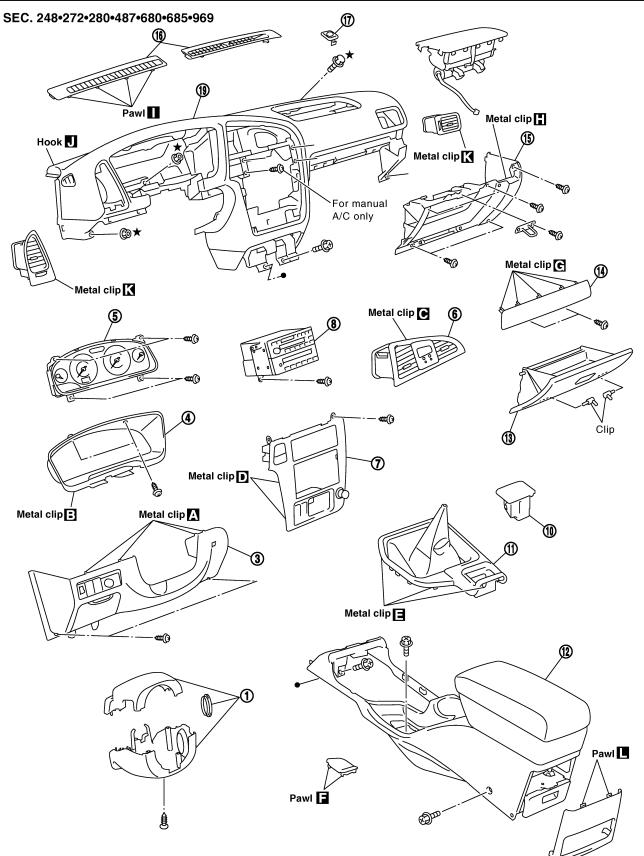
Instrument panel assembly	Combination meter	Audio & A/C control	Console box
Remove air bag module (driver) and steering wheel. Refer to RS-(*1), "SUPPLEMENTAL RESTRAINT SYSTEM" for details.			
1 Steering column cover and combination switch • Remove screws. 2 Dash side lower finisher	Tilt steering column down fully Remove steering column cover.		
Refer to BT-(*2), "SIDE AND FLOOR TRIM" for details. I 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.			
7 Cluster lid C • Remove screws then disconnect harness connectors.			
8 Audio assembly • Remove screws.			
 9 A/C control unit • Remove screws then disconnect harness connectors and • Then disconnect harness connectors. (Auto A/C) 	d cable.		
10 Ashtray • Pull the ashtray up.			
11 Console finisher • Disconnect harness connector.			
12 Console box • Remove screws then disconnect harness connector.			
\ ∕			SBT02

		GI
(A) ↓		MA
13 Glove box • Remove clips.		EN
14 Instrument finisher • Remove screws.		LC
 15 Instrument lower panel on passenger side Remove screws then disconnect harness connector. 		EC
• Then remove passenger air bag module bracket. Refer to RS-(*1), "SUPPLEMENTAL RESTRAINT SYSTEM" for details.		FE
16 Defroster grille		CL
17 Instrument mask • Disconnect harness connectors.		MJ
 18 Front pillar garnish • Refer to "SIDE AND FLOOR TRIM" for details, (*2). 		AT
 19 Instrument panel and pads Remove bolts and nuts. Then disconnect GPS antenna connector. 		TF
		PD
 20 Passenger air bag module Refer to RS-(*1), "SUPPLEMENTAL RESTRAINT SYSTEM" for details. 		AX
		SU
		BR
		ST
	SBT026A	RS
1 RS-19 *2 BT-29	9	BT
		HA

SC

EL

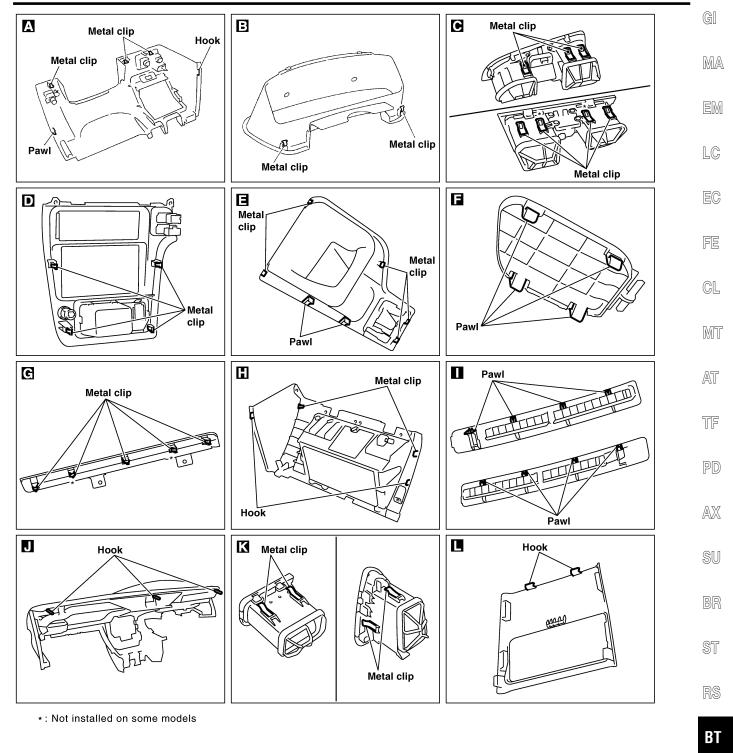
IDX



 \bigstar : Instrument panel assembly mounting bolts & nuts

SBT021A

Removal and Installation (Cont'd)

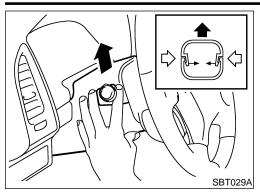


HA

SC

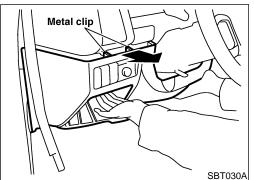
EL

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

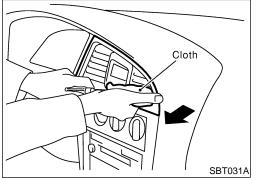
Open the pocket after removing the screws. Hold the opening and the bottom and pull out horizontally.

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

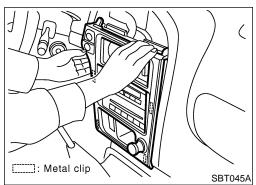
Hook a cloth-covered flat-bladed screwdriver into the right-side groove section, and pull out.

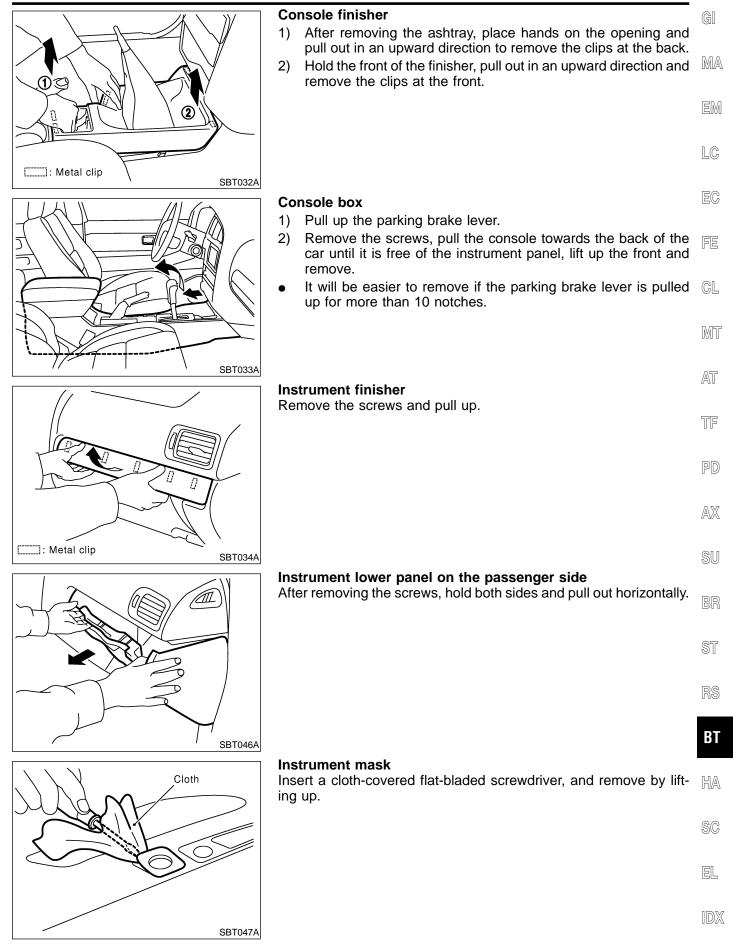
CAUTION:

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

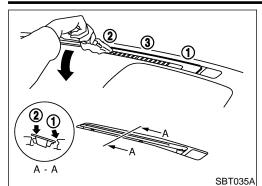
Cluster lid C

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

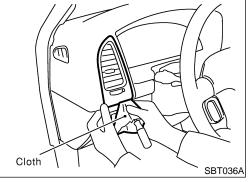
After inserting the front section, insert the rear section (pawls) to attach.

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.

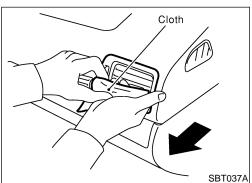


Side ventilator-right

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

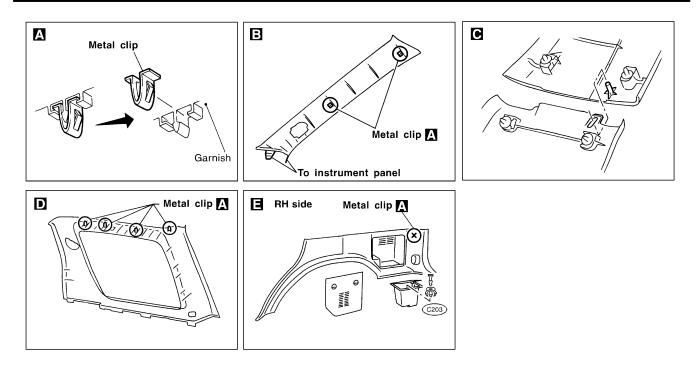
After removing the side ventilator, reach in with hands from the opening, push on the pawls from behind the grille, and remove by pushing out.



SIDE AND FLOOR TRIM

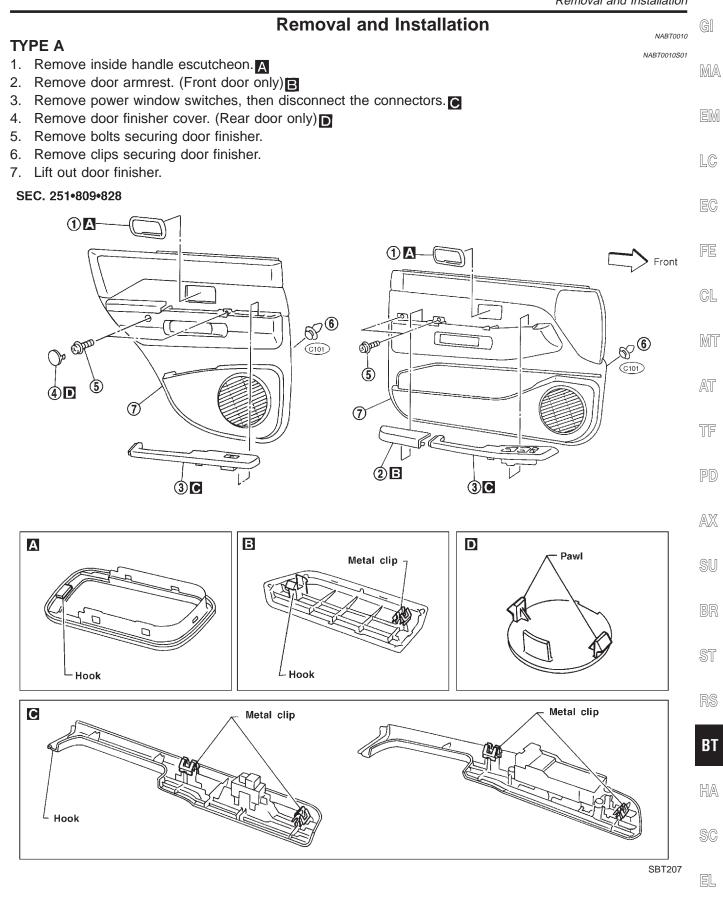
Removal and Installation GI NABT0009 CAUTION: Wrap the tip of flat-bladed screwdriver with a cloth when removing metal clips from garnishes. MA 1. Remove front and rear seats. Refer to "FRONT SEAT" and "REAR SEAT" for details, BT-43, BT-47. 2. Remove front and rear seat belts. Refer to RS-3, "SEAT BELT" 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

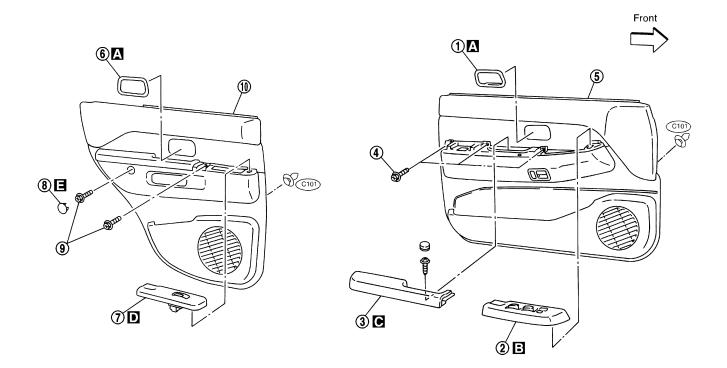
Front Door Trim

- 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

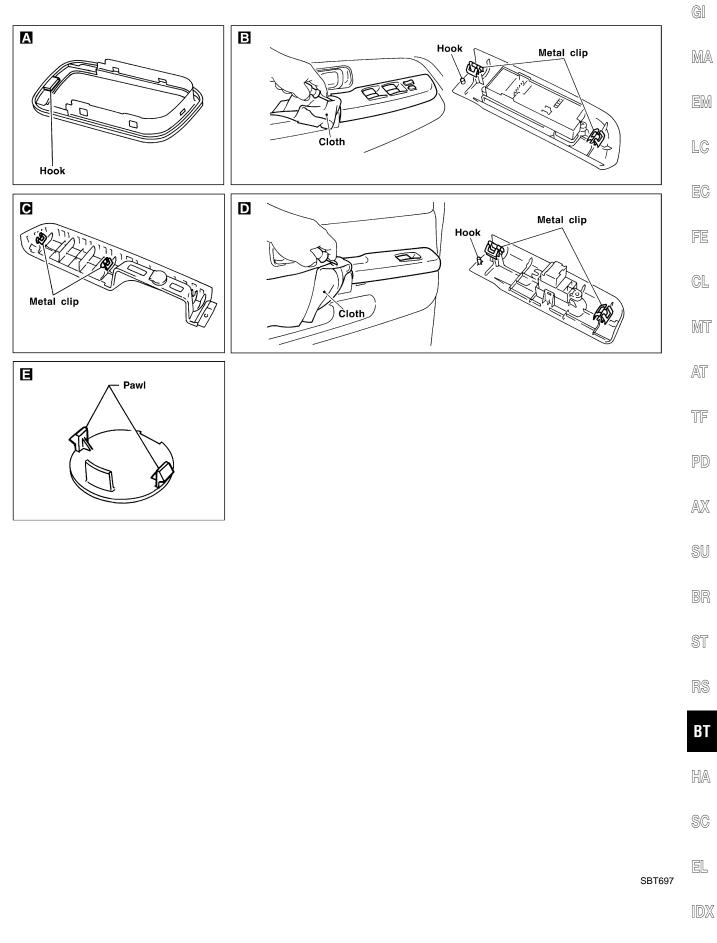
- 6. Remove inside handle escutcheon.
- 7. Remove power window switch, then disconnect the connector.
- 8. Remove door armrest cap.
- 9. Remove bolts securing door finisher.
- 10. Pull on door finisher to remove clips from door panel and remove door finisher.

SEC. 251•809•828



SBT696

DOOR TRIM

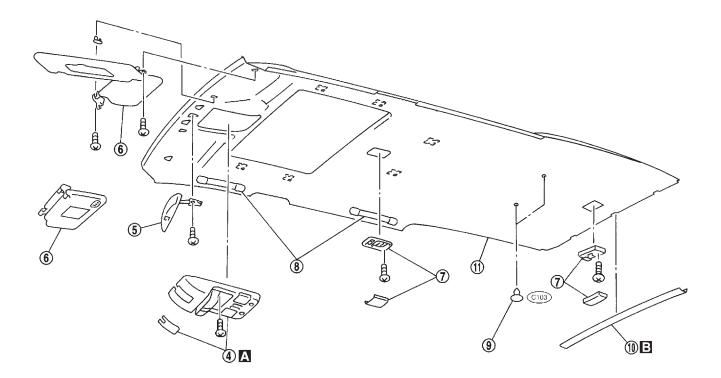


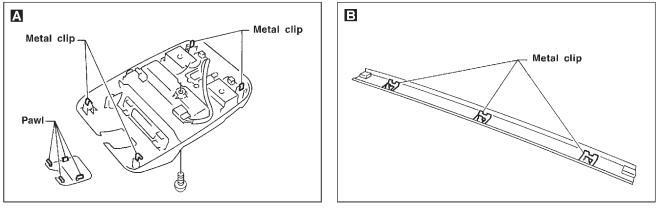
ROOF TRIM

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.

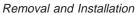
SEC. 264•738•963•964•970



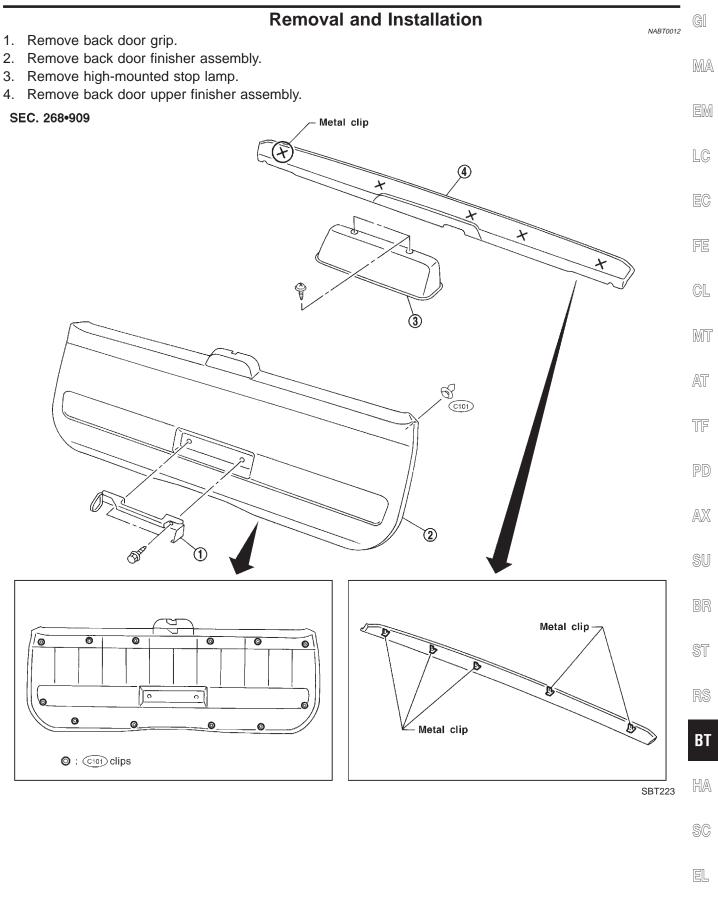


SBT487

BACK DOOR TRIM



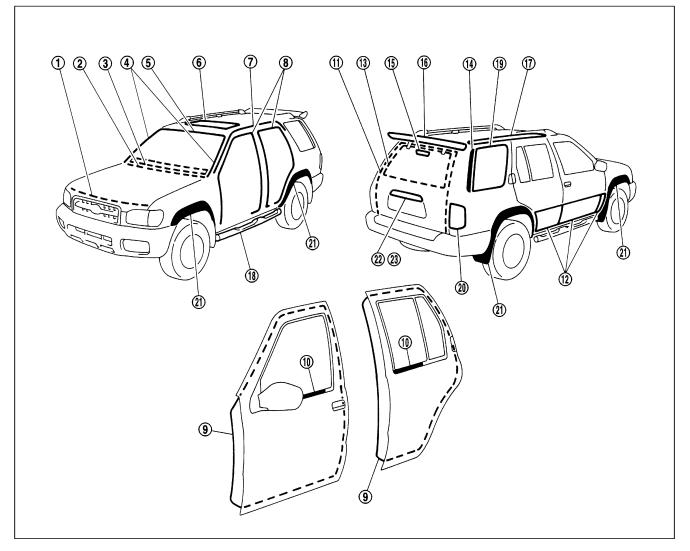
IDX



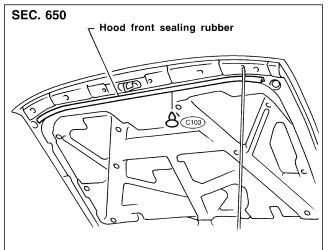
BT-35

Removal and Installation

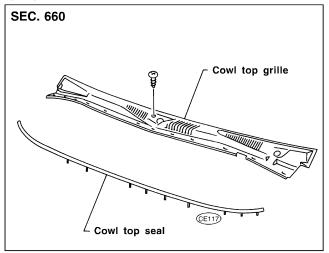




(1) Hood front seal



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



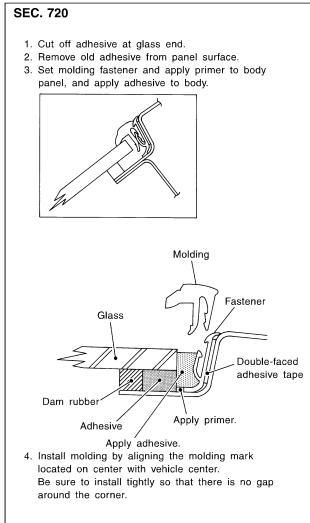
Windshield side molding
 Mounted with screws.

SBT729

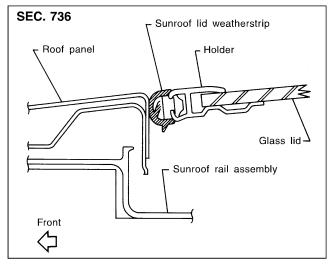


SU

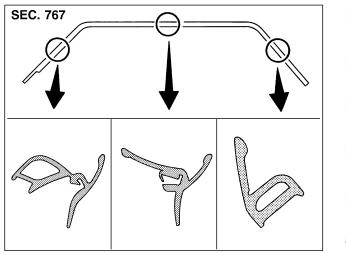
(5) Windshield upper molding



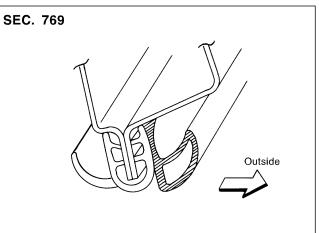
6 Sunroof lid weatherstrip



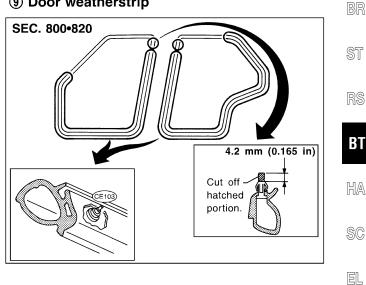
⑦ Drip weatherstrip



(8) Body side welt



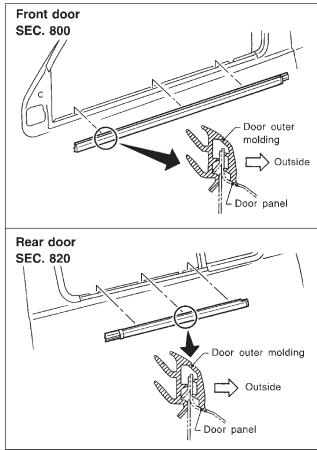
(9) Door weatherstrip



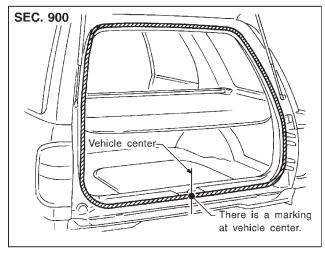
SBT730

EXTERIOR

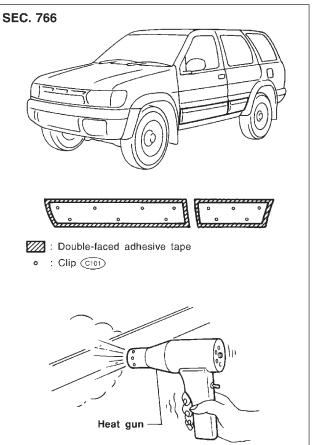
(1) Door outside molding



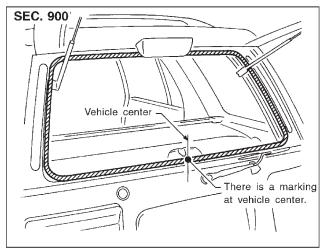
1 Back door weatherstrip



12 Side guard molding



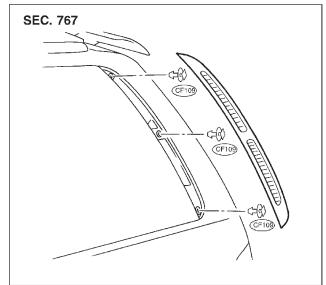
- With a vehicle coated with Hard Clear Coat, use double-faced 3M adhesive tape Product No. 4210 or equivalent, after priming with 3M primer Product No. N-200 or C-100 or equivalent.
- (1) Back door window weatherstrip



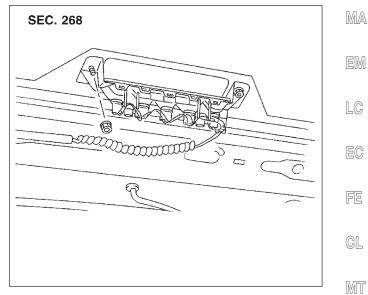
GI

AT

(I) Air outlet grille

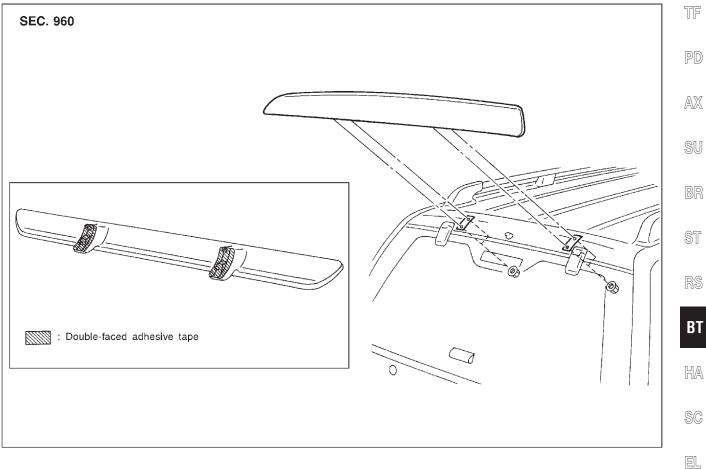


(15) High-mounted stop lamp



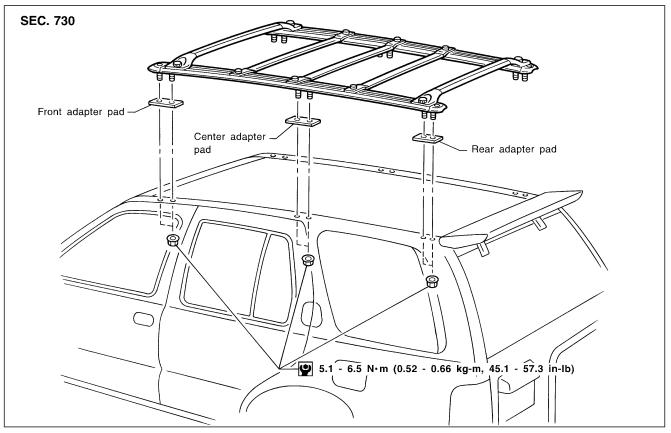
(b) Back door deflector

- 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.

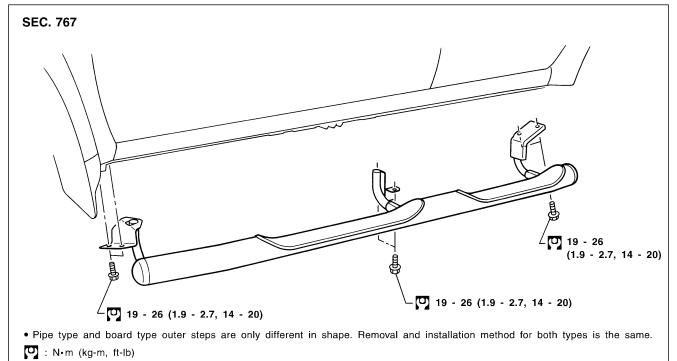


SBT491-A

1 Roof rack



(1) Side step



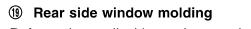
Removal and Installation (Cont'd)

GI

MA

EM

EXTERIOR

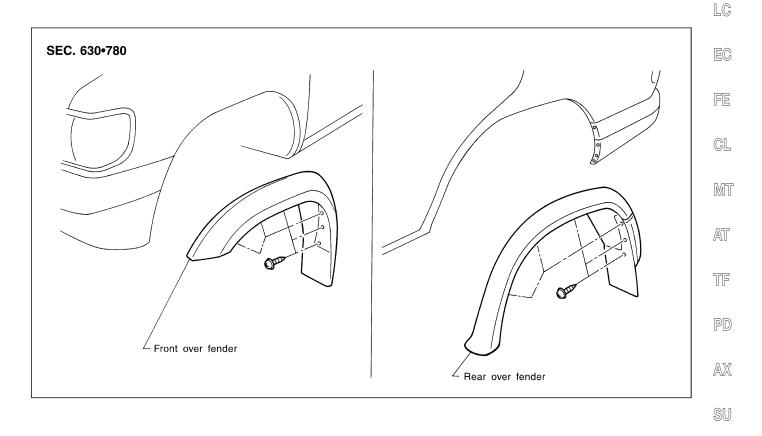


Refer to the applicable sections on the preceding pages.

② Rear combination lamp

Rear combination lamps are installed with nuts.

② Over fender



ST RS

BR

BT

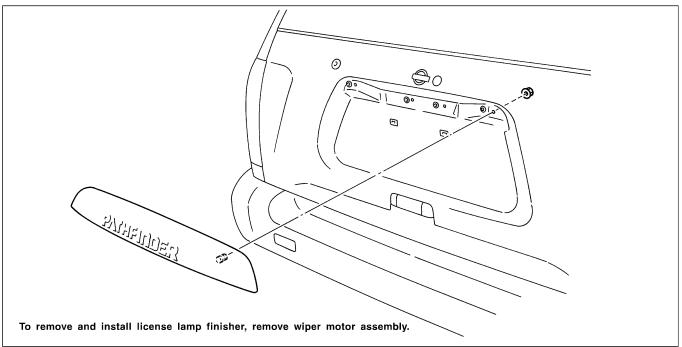
HA

SC

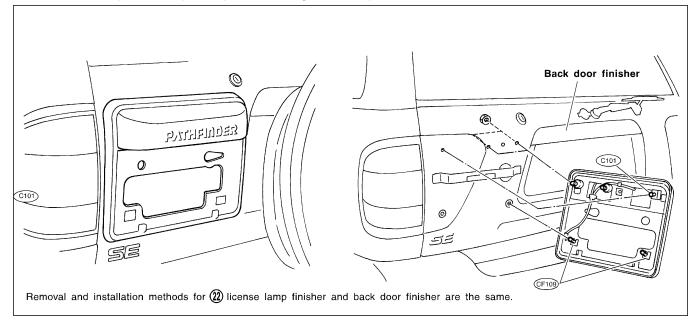
EL

SBT493-A





③ License lamp finisher (With spare tire hanger models)



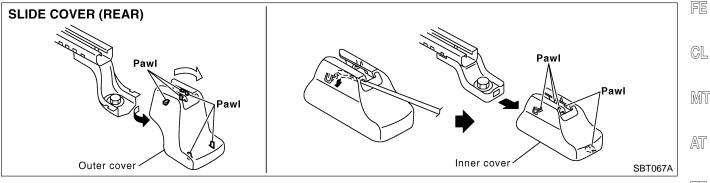
FRONT SEAT

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-200, "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-21, "Side Air Bag Module".)



TF

GI

MA

EM

LC

NABT0014

PD

AX

SU

BR

ST

BT

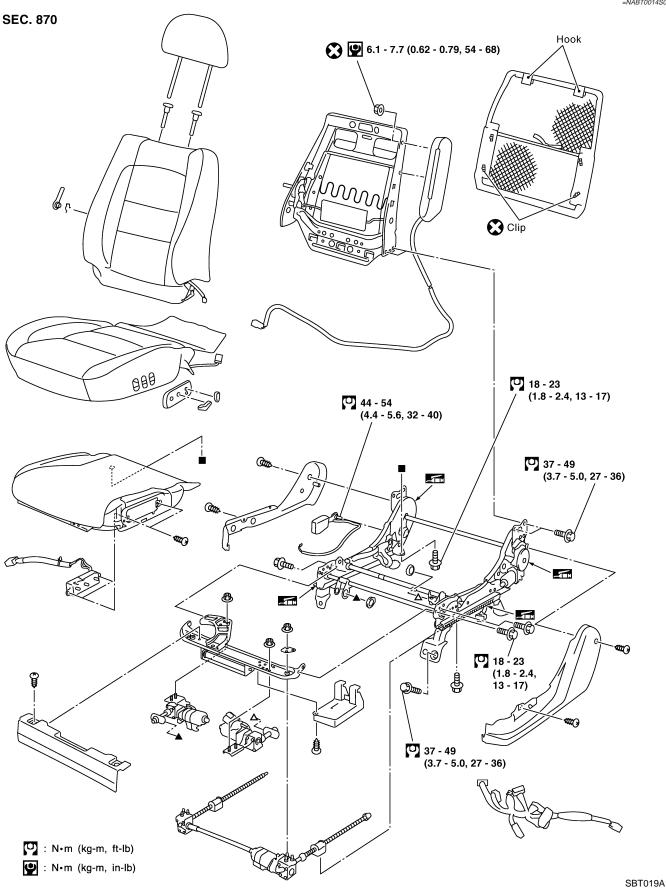
HA

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 tαO <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

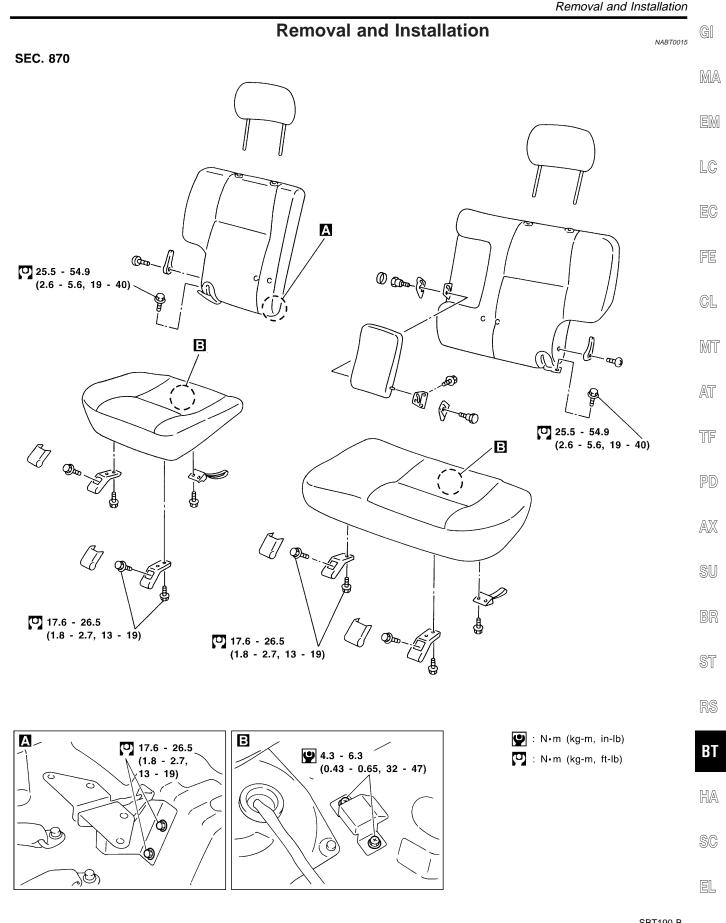
EL

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-202, "HEATED SEAT".

REAR SEAT

Removal and Installation

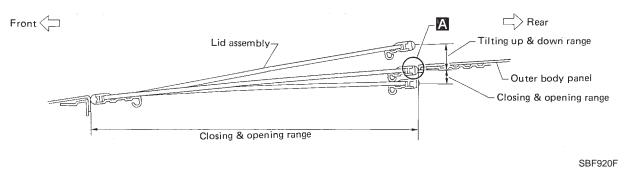


SBT190-B IDX

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 sunroof switch and positive (+) power supply.
- 3. Set lid assembly to fully closed position A by operating OPEN switch and TILT switch.
- 4. Fit outer side of lid assembly to the surface of roof on body outer panel.
- 5. Remove motor, and keep OPEN switch pressed until motor pinion gear reaches the end of its rotating range.
- 6. Install motor.
- 7. Check that motor drive gear fits properly in wires.
- 8. Press TILT-UP switch to check lid assembly for normal tilting.
- 9. Check sunroof lid assembly for normal operations (tilt-up, tilt-down, open, and close).



Removal and Installation

After any adjustment, check sunroof operation and lid alignment.

NABT0016

- 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.

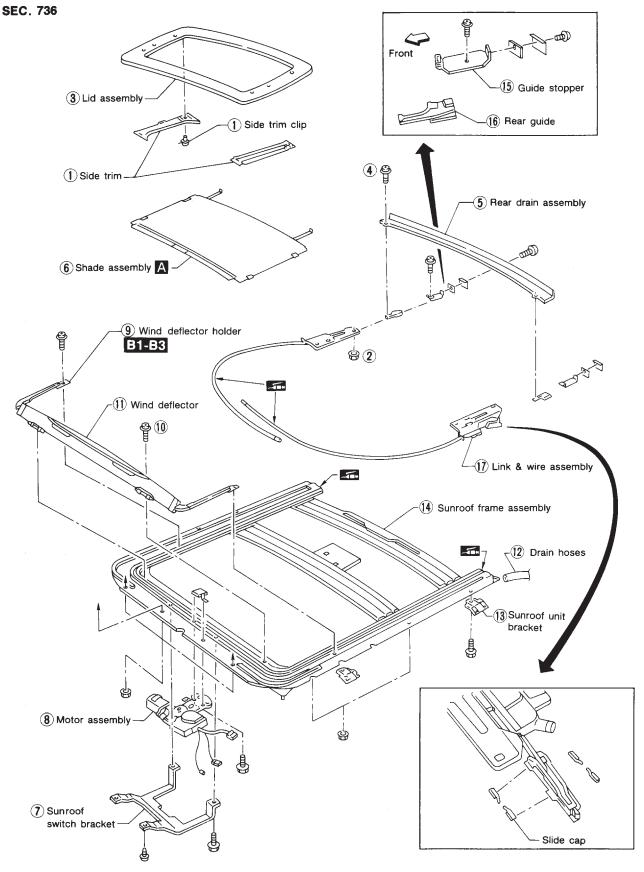
CAUTION:

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

BT-48

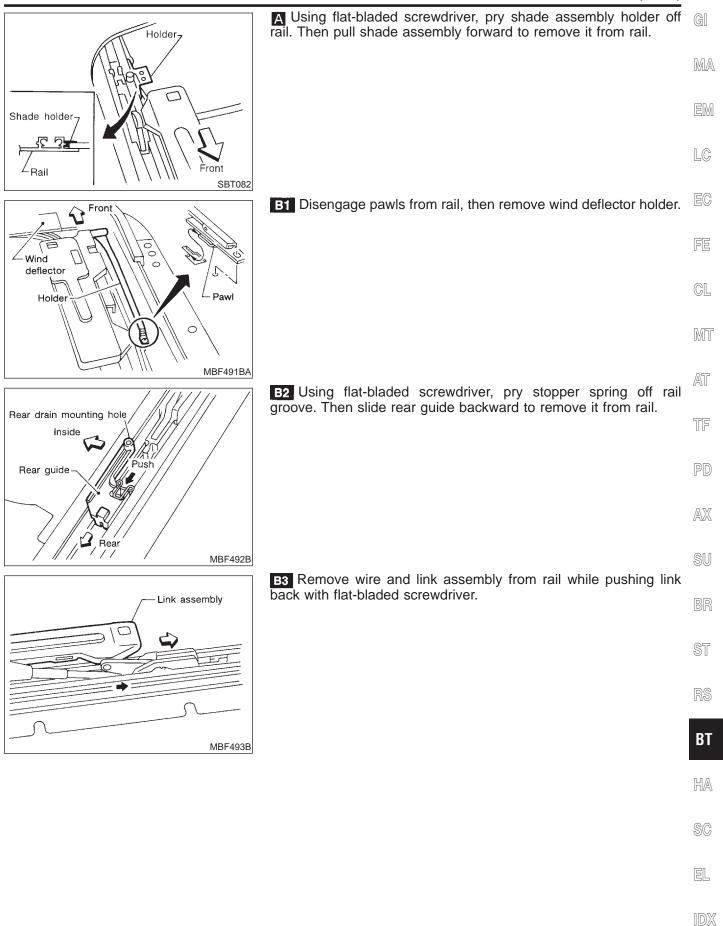
Removal and Installation (Cont'd)

Link and wire assembly Sunroof frame assembly Shade assembly Lid assembly Motor assembly		GI
Tilt glass lid up.		MA
Side trim • 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
6 Shade assembly		
Refer to "ROOF TRIM" for details, (*1).		MT
7 Sunroof switch bracket 8 Motor assembly		AT
9 Wind deflector holder B1-B3		TF
10 Wind deflector mount screw		PD
11 Wind deflector assembly		ru
12 Drain hoses		AX
13 Sunroof unit bracket		SU
14 Sunroof frame assembly		BR
15 Guide stopper		
16 Rear guide Image: transmission of the second state of the		ST
assembly	SBT515-D	RS
*1 BT-34 *2 EL-196		BT
		HA
		SC
		EL
		IDX



MBF462BG





Trouble Diagnoses DIAGNOSTIC TABLE

NOTE:

=NABT0018

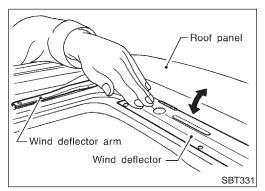
NABT0018S01

NABT0018S02

For diagnosing electric problem, refer to EL-198, "POWER SUN-ROOF".

		Check items (Components)					
		Wind deflector	Adjustment	Drain hoses	Weatherstrip	Link and wire assembly	
	Reference page	BT-52	BT-53	BT-54	BT-54	BT-55	
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.

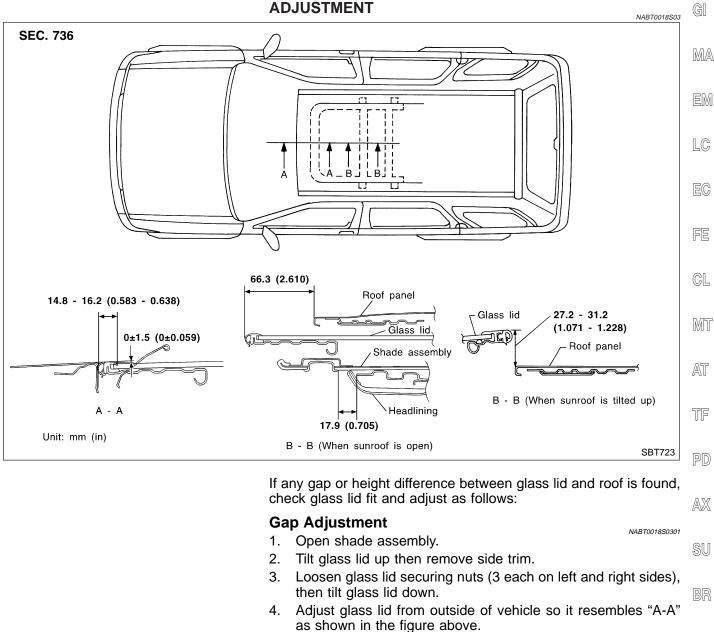


WIND DEFLECTOR

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.
- Roof panel Wind deflector Wind deflector SBT332
- 4. Check that wind deflector is properly retracted by hand. If it is not, remove and visually check condition. (Refer to removal procedures, BT-48.) If wind deflector is damaged, replace with new one. If wind deflector is not damaged, re-install properly.

Trouble Diagnoses (Cont'd)



- ST Tilt glass lid up and down until it is adjusted to "B-B" as shown 5. in the figure above.
- 6. After adjusting glass lid, tilt glass lid up and tighten nuts.
- RS Tilt glass lid up and down several times to check that it moves 7. smoothly.

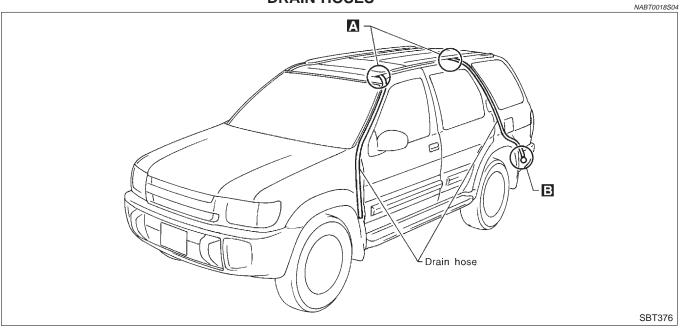
Height Difference Adjustment

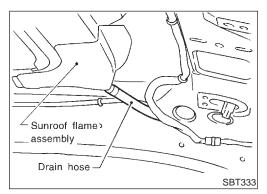
- Tilt glass lid up and down. 1.
- Check height difference between roof panel and glass lid to 2. HA see if it is as "A-A" as shown in the figure above.
- If necessary, adjust it by using one of following procedures. 3.
- Adjust by adding or removing adjustment shim(s) between SC glass lid and link assembly.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

BT

NABT0018S0302

DRAIN HOSES





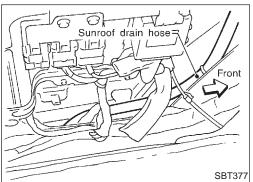
- Remove headlining to access drain hose connections. (Refer 1. to "Removal and Installation" in "ROOF TRIM", BT-34, for detail.)
- 2. Check visually for proper connections, damage or deterioration. A (The figure shows only the front side.)

- If leakage occurs around luggage room, remove luggage room 3. side trim and check connecting area. Check for proper connection, damage or tear.
- Remove drain hoses and check visually for any damage, 4. cracks, or deterioration.
- Pour water into drain hoses and find damaged portion. 5.
- 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.
- 1. Remove glass lid assembly. (Refer to removal procedures, BT-48, for details.)
- 2. Visually check weatherstrip for proper installation. If a gap exists between glass lid and weatherstrip, check for sufficient amount of butyl seal. If required, remove weatherstrip and apply butyl seal.

Refer to "EXTERIOR" (BT-36), for details.



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

CAUTION:

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

LINK AND WIRE ASSEMBLY NOTE:

EM

NABT0018S06

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

- Check link to determine if coating film has peeled off to such 1. EC 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 FE 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 GL found, remove rear guide (refer to removal procedures, BT-48 for details), then replace wire.

MT

AT

TF

PD

AX

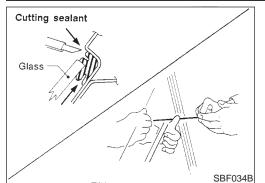
SU

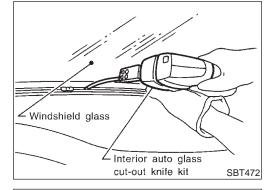
BT

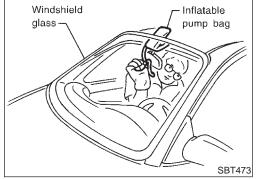
HA

SC

EL







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:

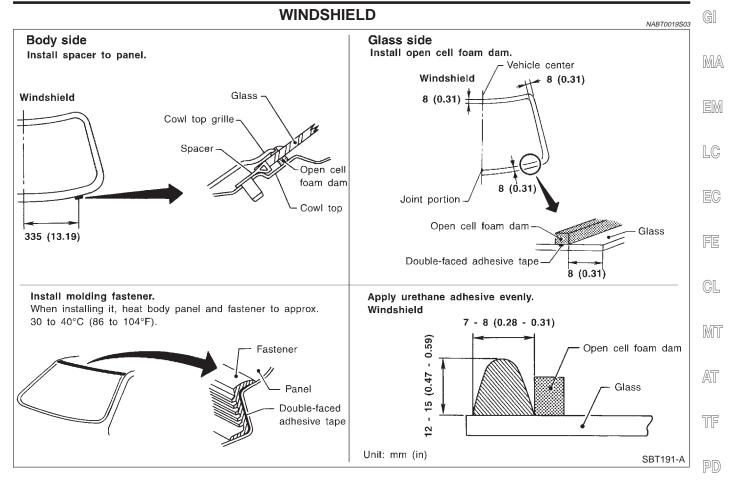
- Keep heat and open flames away as primers and adhesive are flammable.
- The materials contained in the kit are harmful if swallowed, and may irritate skin and eyes. Avoid contact with the skin and eyes.
- Use in an open, well ventilated location. Avoid breathing the vapors. They can be harmful if inhaled. 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.

ЫG

BT

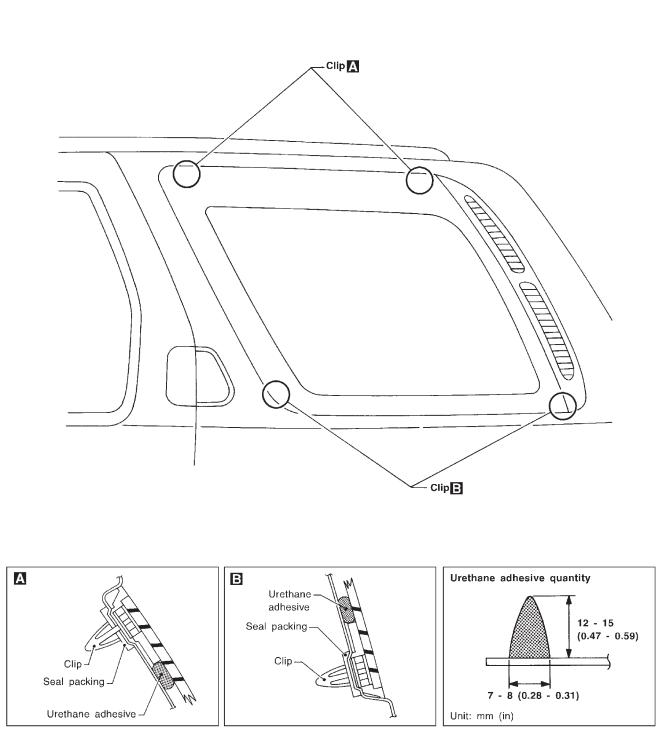
HA

SC

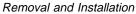
EL

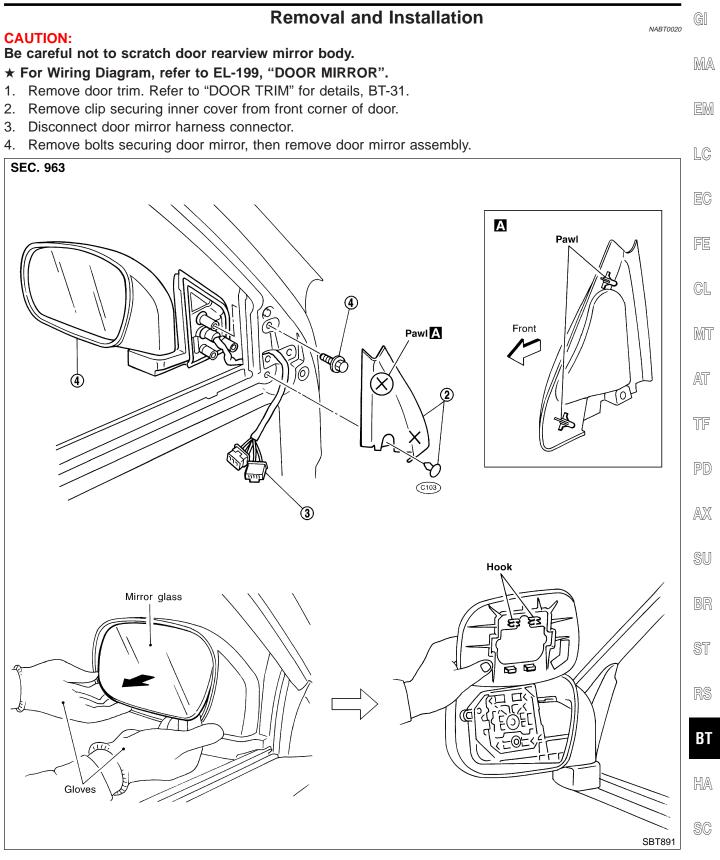
NABT0019S04

SEC. 830





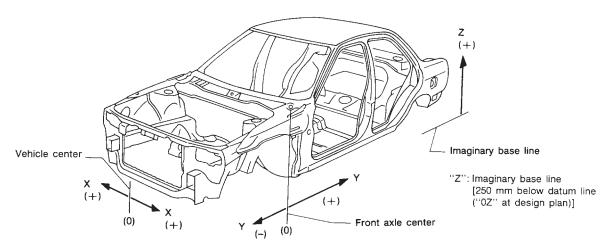




EL

Alignment

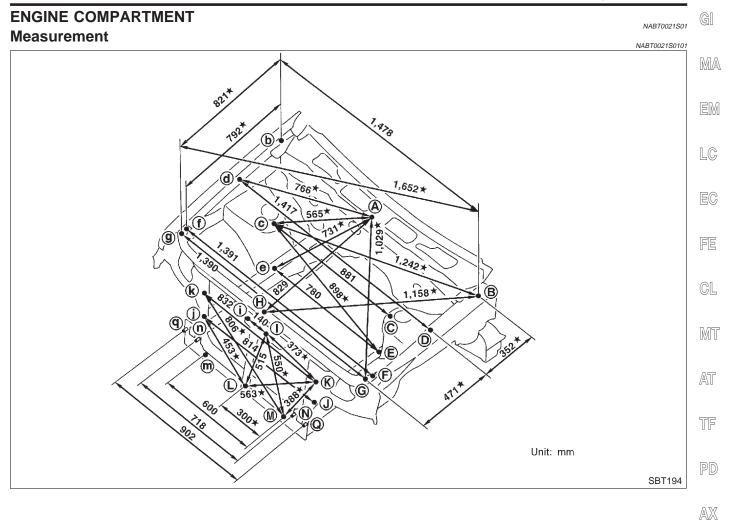
- All dimensions indicated in figures are actual ones.
- When using a tracking gauge, adjust both pointers to equal length. Then check the pointers and gauge itself to make sure there is no free play.
- When a measuring tape is used, check to be sure there is no elongation, twisting or bending.
- Measurements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



SBF874GD

NABT0021

Alignment (Cont'd)



BR

ST

RS

BT

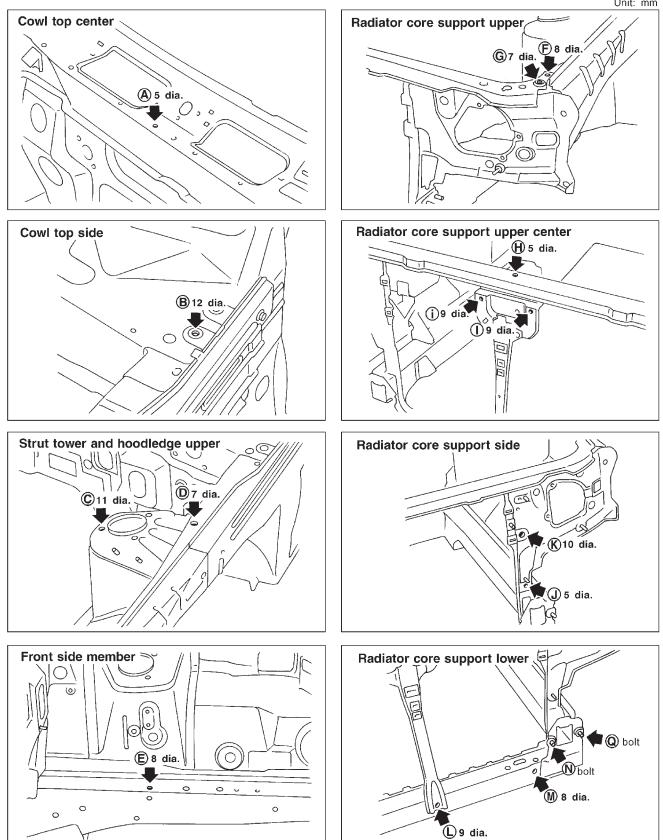
HA

SC

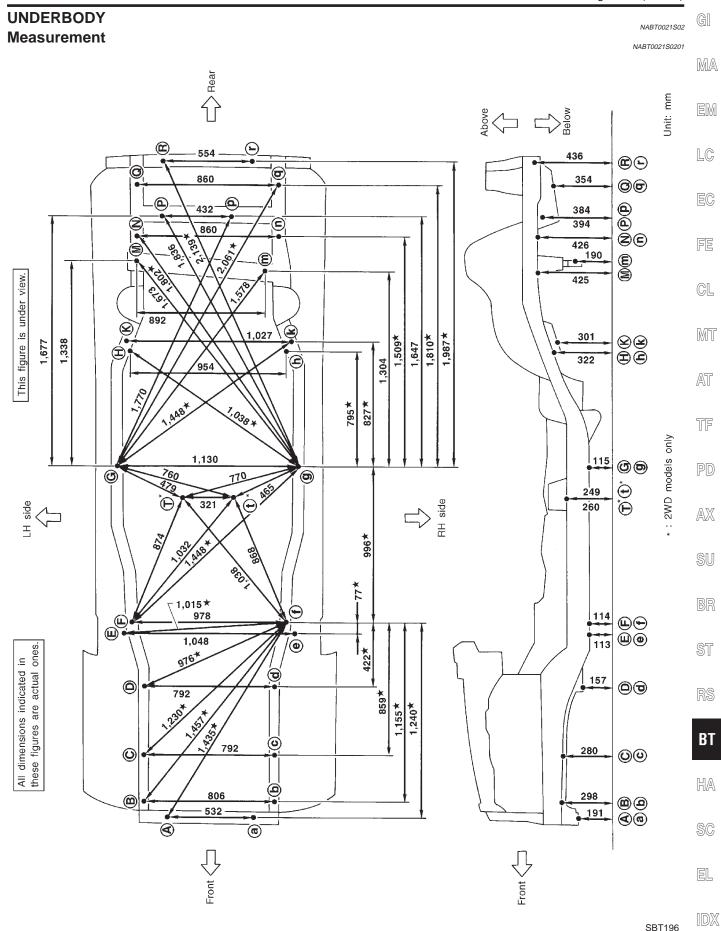
EL

Measurement Points

NABTO021S0102 Unit: mm



Alignment (Cont'd)



BT-63

Measurement Points

