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PRECAUTIONS

PRECAUTIONS PFP:00001

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

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The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. This system includes seat belt switch inputs and dual stage front air bag modules. The SRS system uses the seat belt switches to determine the front air bag deployment, and may only deploy one front air bag, depending on the severity of a collision and whether the front occupants are belted or unbelted. Information necessary to service the system safely is included in the SRS and SB section of this Service Manual

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SRS 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 by yellow and/or orange harnesses or harness connectors.

Precautions for Work

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- When removing or disassembling each component, be careful not to damage or deform it. If a component
 may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and keep them.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After re-installation is completed, be sure to check that each part works normally.
- Follow the steps below to clean components.
- Water soluble foul: Dip a soft cloth into lukewarm water, and wring the water out of the cloth to wipe the fouled area.
 - Then rub with a soft and dry cloth.
- Oily foul: Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%), and wipe the fouled area.
 - Then dip a cloth into fresh water, and wring the water out of the cloth to wipe the detergent off. Then rub with a soft and dry cloth.
- Do not use organic solvent such as thinner, benzene, alcohol, or gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

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Revision: October 2006 SE-3 2006 Maxima

PREPARATION

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Special Service Tool

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

Tool number (Kent-Moore No.) Tool name		Description
— (J-39570) Chassis ear	SIIA0993E	Locating the noise
— (J-43980) NISSAN Squeak and Rattle Kit	SIIA0994E	Repairing the cause of noise

Commercial Service Tool

EIS003X3

(Kent-Moore No.) Tool name		Description
(J-39565) Engine ear	SIIA0995E	Locating the noise

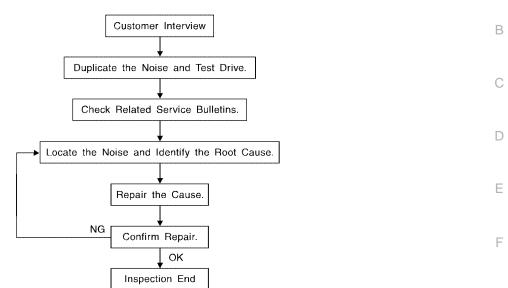
SQUEAK AND RATTLE TROUBLE DIAGNOSES Work Flow

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CUSTOMER INTERVIEW

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any customer's comments; refer to SE-9, "Diagnostic Worksheet". This information is necessary to duplicate the conditions that exist when the noise occurs.

- The customer may not be able to provide a detailed description or the location of the noise. Attempt to
 obtain all the facts and conditions that exist when the noise occurs (or does not occur).
- If there is more than one noise in the vehicle, be sure to diagnose and repair the noise that the customer is concerned about. This can be accomplished by test driving the vehicle with the customer.
- After identifying the type of noise, isolate the noise in terms of its characteristics. The noise characteristics
 are provided so the customer, service adviser and technician are all speaking the same language when
 defining the noise.
- Squeak —(Like tennis shoes on a clean floor)
 Squeak characteristics include the light contact/fast movement/brought on by road conditions/hard surfaces = higher pitch noise/softer surfaces = lower pitch noises/edge to surface = chirping.
- Creak—(Like walking on an old wooden floor)
 Creak characteristics include firm contact/slow movement/twisting with a rotational movement/pitch dependent on materials/often brought on by activity.
- Rattle—(Like shaking a baby rattle)
 Rattle characteristics include the fast repeated contact/vibration or similar movement/loose parts/missing clip or fastener/incorrect clearance.
- Knock —(Like a knock on a door)
 Knock characteristics include hollow sounding/sometimes repeating/often brought on by driver action.
- Tick—(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.

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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 mechanic's 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 fasteners 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 SE-7, "Generic Squeak and Rattle Troubleshooting".

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.

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: 100×135 mm (3.94×5.31 in)/76884-71L01: 60×85 mm (2.36×3.35 in)/76884-71L02: 15×25 mm (0.59×0.98 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, 50×50 mm (1.97×1.97 in)/73982-50Y00: 10 mm (0.39 in) thick, 50×50 mm (1.97×1.97 in)

INSULATOR (Light foam block)

80845-71L00: 30 mm (1.18 in) thick, 30×50 mm (1.18×1.97 in)

FELT CLOTH TAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications.

68370-4B000: 15×25 mm (0.59×0.98 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

Insulates where slight movement is present. Ideal for instrument panel applications.

SILICONE GREASE

Used instead of UHMW tape that will be visible or not fit.

Note: Will only last a few months.

SILICONE SPRAY

Use when grease cannot be applied.

DUCT TAPE

Use to eliminate movement.

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.

Generic Squeak and Rattle Troubleshooting

Refer to Table of Contents for specific component removal and installation information.

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

- 1. The cluster lid A and instrument panel
- 2. Acrylic lens and combination meter housing
- 3. Instrument panel to front pillar garnish
- 4. Instrument panel to windshield
- Instrument panel mounting pins
- 6. Wiring harnesses behind the combination meter
- 7. 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 silicone spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness.

CAUTION:

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.

CENTER CONSOLE

Components to pay attention to include:

- Shifter assembly cover to finisher
- 2. A/C control unit and cluster lid C
- 3. Wiring harnesses behind audio and A/C control unit

The instrument panel repair and isolation procedures also apply to the center console.

DOORS

Pay attention to the:

- 1. Finisher and inner panel making a slapping noise
- 2. Inside handle escutcheon to door finisher
- 3. Wiring harnesses tapping
- 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.

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TRUNK

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

- Trunk lid bumpers out of adjustment
- 2. Trunk lid striker out of adjustment
- 3. The trunk lid torsion bars knocking together
- 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/HEADLINING

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

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

OVERHEAD CONSOLE (FRONT AND REAR)

Overhead console noises are often caused by the console panel clips not being engaged correctly. Most of these incidents are repaired by pushing up on the console at the clip locations until the clips engage. In addition look for:

- Loose harness or harness connectors.
- Front console map/reading lamp lense loose.
- Loose screws at console attachment points.

SEATS

When isolating seat noise 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:

- Headrest rods and holder
- A squeak between the seat pad cushion and frame
- 3. The rear seatback 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 noise 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 noise 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
- 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.

Diagnostic Worksheet

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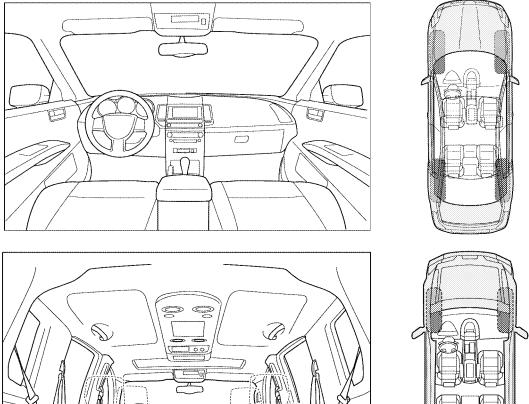
Dear Customer:

We are concerned about your satisfaction with your vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your vehicle 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.

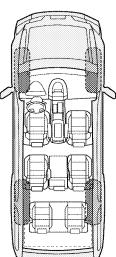
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

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 page 2 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.



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Briefly describe the location where the noi	se occ	urs:		
II. WHEN DOES IT OCCUR? (please chee Anytime 1st time in the morning Only when it is cold outside Only when it is hot outside III. WHEN DRIVING: Through driveways Over rough roads Over speed bumps Only about mph On acceleration Coming to a stop On turns: left, right or either (circle) With passengers or cargo Other: After driving miles or minuteness.	IV.	After sitting out When it is rainin Dry or dusty con Other: WHAT TYPE O Squeak (like ten	in the rang or we notitions F NOISI Inis showing on a ling a back at the second	E es on a clean floor) n old wooden floor) by rattle) ne door) d hand) nock noise)
TO BE COMPLETED BY DEALERSHIP P Test Drive Notes:	ERSO			
		YES	NO 	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	n repai			
VIN: W.O.#				

This form must be attached to Work Order

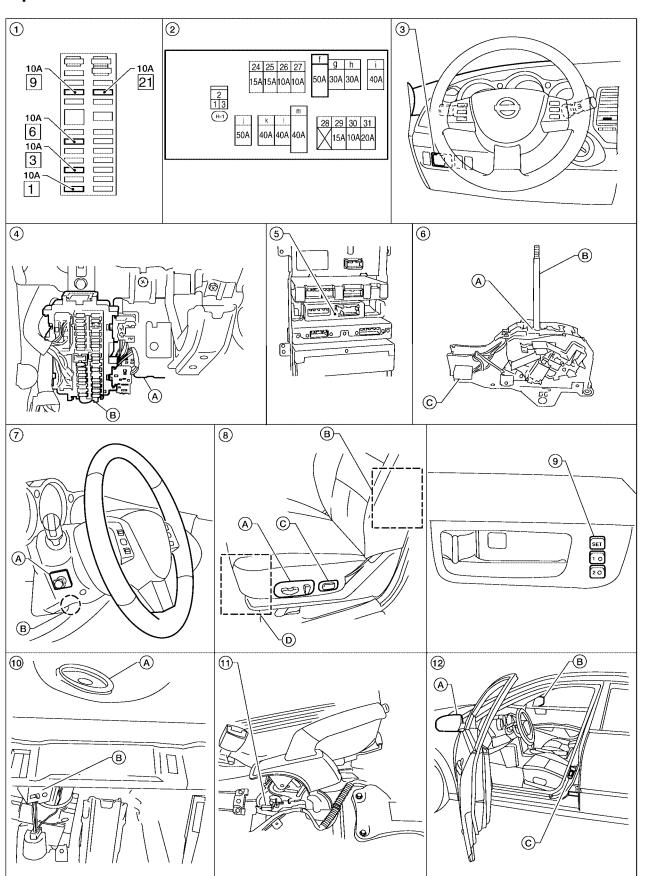
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AUTOMATIC DRIVE POSITIONER

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Component Parts and Harness Connector Location

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1.	Fuse block (J/B)	2.	Fuse and fusible link box	3.	Door mirror remote control switch M7
4.	A. BCM M18, M19, M20 B. Fuse block (J/B) (View with instrument panel removed)	5.	Automatic drive positioner control unit M41, M42 (View with instrument panel removed)	6.	A. A/T device (park position switch) M34 B. A/T selector lever C. A/T device harness connector
7.	A. ADP steering switch M16 B. Telescopic motor M66, M67 Tilt motor M68, M69	8.	A. Power seat switch LH P8 B. Reclining motor P5, lumbar motor P10 C. Lumbar switch P9 D. Driver seat control unit P2, P3 Sliding motor P4 Front lifting motor P6 Rear lifting motor P7	9.	Seat memory switch D5
10.	A. Ignition key cylinder B. Key switch and key lock solenoid M27 (View with steering column cover, lower removed)	11.	Parking brake switch M36	12.	A. Door mirror LH D4 B. Door mirror RH D107 C. Front door switch LH B8

System Description OPERATIVE CONDITION

EIS003X7

The drive position can be set in 2 ways, manually and automatically.

Manual Operation

The driving position (front seat LH position, steering wheel position and door mirror position) can be adjusted with the power seat switch LH, ADP steering switch or door mirror remote control switch.

NOTE:

The door mirrors can be manually operated with the ignition switch turned to ACC or ON.

Automatic Operation

	Function	Description	
Memory operation		The front seat LH, steering wheel and door mirrors move to the stored driving position by pushing seat memory switch (1 or 2).	
Entry/Exiting function Exiting operation Exiting operation At exit, the front seat LH moves backward and the steering position)		At exit, the front seat LH moves backward and the steering wheel raises. (Exiting position)	
(A/T models only) Entry operation		At entry, the front seat LH and steering wheel will move from the exiting position to the previous driving position before the exiting operation.	
Keyfob interlock operation		Perform memory operation, exiting operation and entry operation by pressing keyfob unlock button.	

NOTE:

- Disconnecting the battery erases the stored memory.
- After connecting the battery, insert the key into the ignition cylinder and turn the driver door switch ON (open)→OFF (close)→ON (open), the Entry/Exiting operation becomes possible.
- After exiting operation is carried out, entry operation can be operated.

Auto operation temporary stop conditions.	When ignition switch turns to START during seat memory switch operation and entry operation, seat memory switch operation and entry operation is stopped.				
	When the vehicle speed becomes 7 km/h (4 MPH) or higher. (seat memory switch operation and entry operation).				
	When the setting switch, memory switch 1 or 2 are pressed.				
	 When A/T selector lever is in any position other than P (A/T models). 				
Auto operation stop conditions.	 When the parking brake switch is in the OFF position (M/T models). 				
	When the door mirror remote control switch is operated (when ignition switch turned ON).				
	When power seat switch LH turned operated.				
	When door mirror operates.				
	When front seat LH sliding Entry/Exiting setting is OFF (entry/exiting operation).				

NOTE:

During automatic operation, if the ignition switch is turned ON \rightarrow START, the automatic operation is suspended. When the ignition switch returns to ON, it resumes.

SYSTEM DESCRIPTION

- The system automatically moves the front seat LH and steering wheel to facilitate entry/exit to/from the vehicle (A/T models only). The automatic drive positioner control unit can also store the optimum driving positions (front seat LH, steering wheel position and door mirror position) for 2 people. If the drivers change, one-touch operation allows changing to the other driving position.
- The settings (ON/OFF) of the automatic sliding seat (Entry/Exiting operation) at entry/exit can be changed as desired.

Fail-Safe Mode

When the ignition switch is in the ON position, if any of the parts (indicated in the following chart) move more than the specified amount within a period "T1" when no "ON" input is sent from any of the switches (indicated in the following chart), or an output from the automatic drive positioner is not produced, an output malfunction is sensed. Motor operation will be suspended automatically, and all automatic operations will be ineffective. (In this case, the motor will not operate manually).

OPERATED PORTION	T1
Seat sliding	Approx. 2.5 sec.
Seat reclining	Same as above
Seat lifting (Front)	Same as above
Seat lifting (Rear)	Same as above
Steering wheel	Same as above

Cancel of Fail-safe Mode

• The mode is cancelled when the A/T selector lever is shifted to P position from any other position for A/T or parking brake is engaged for M/T.

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Memory Storing and Keyfob Interlock Storing

- Store the 2 driving positions with the seat memory switch.
- Keyfob interlock function is set simultaneously with setting driving position memory. It can set driving position to memory position.
- 1. Turn ignition switch ON.
- 2. A/T selector lever in P position for A/T, parking brake engaged for M/T.
- 3. Adjust the position of front seat LH, door mirrors and steering wheel with manual operation.
- Press set switch.
 - Indicator LED for which front seat LH positions are already retained in memory is illuminated for 5 seconds.
 - Indicator LED for which front seat LH positions are not retained in memory is illuminated for 0.5 seconds.
- 5. Press seat memory switch for which driving positions are to be entered in memory for more than 0.5 seconds within 5 seconds after pressing the set switch while the indicator LED is illuminated.
 - To enter driving positions in blank memory, indicator LED will be illuminated for 5 seconds.
 - To modify driving positions, indicator LED will be turned off for 0.5 seconds then illuminated for 5 seconds.
- 6. Does keyfob interlock set?
 - If you need storing of keyfob interlock, GO TO 7.
 - If you don't need storing of keyfob interlock, the memory storing is finished. Confirm memory operation.
- 7. Press keyfob unlock button within 5 seconds after pressing seat memory switch (while seat memory switch LED is illuminated).
 - If setting completes, indicator of registered memory turns on for 5 seconds.
- 8. Confirm memory operation with seat memory switch and keyfob.

NOTE:

- If another keyfob interlock function setting is performed by same key, newly registered setting is valid.
- If new memory string is performed to memory switch that already set keyfob interlock function, keyfob interlock function setting is maintained.
- If keyfob does not set previously, keyfob interlock function cannot set.

Memory Operation

Selecting the memory positions.

- 1. Within 45 seconds of opening front door LH press the desired seat memory switch for at least 1 second, or
 - turn ignition switch ON and press the desired seat memory switch for at least 1 second.
- 2. The front seat LH, door mirrors, accelerator pedal and brake pedal will move to their set memory positions. (during adjustments, indicator LED flashes, then illuminates for 5 seconds.

NOTE

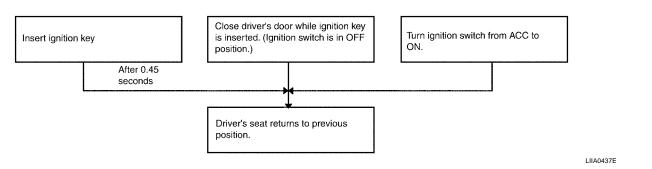
The front seat LH position and steering adjustment functions (see the following table) operate simultaneously in the order of priority.

Priority	Function	Priority	Function
1	Seat sliding, (door mirror LH/RH)*	4	Seat lifter-FR
2 Steering wheel		5	Seat lifter-RR
3	Seat reclining		

^{*:} In conjunction with sliding the seat, the door mirrors are positioned.

Entry Operation

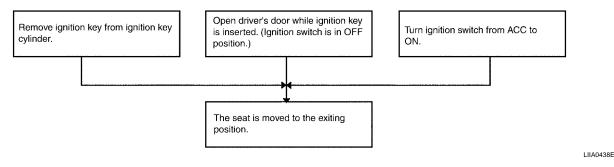
When the front seat LH is in the exiting position, the following operation moves the front seat LH and the steering wheel to the previous position before the exiting operation.



Exiting Operation

At exit, the front seat LH is automatically moved to the exiting position.

- Seat: moves backward
- Steering wheel: raises.



Reverse Tilt Motor (A/T Models)

When the door mirror remote control switch is set to L or R and the transmission is shifted into reverse, the selected door mirror will tilt downward. The door mirror will return to the original position when the transmission is shifted to any position other than reverse, the door mirror remote control switch is set to N or the ignition switch is turned OFF.

Keyfob Interlock Operation

- Perform memory operation, exiting operation and entry operation by pressing keyfob unlock button.
- 1. Remove ignition key from ignition key cylinder.
- 2. A/T selector lever in P position for A/T, parking brake engaged for M/T.
- 3. Press unlock button on keyfob.
- 4. The system performs memory operation and then performs exiting operation.

NOTE:

If the front seat LH position is in memorized position before keyfob unlock button pressed, memory operation does not perform.

- Turn ignition switch ON or close front door LH with ignition switch in ACC.
- 6. The system performs entry operation. (front seat LH and steering positions are moved to memory positions. The memory position is related to keyfob ID.

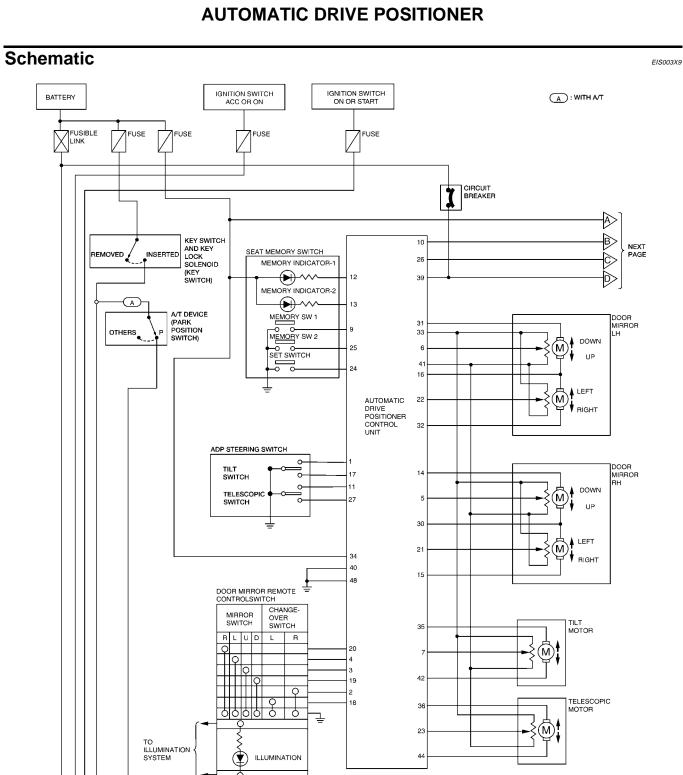
NOTE:

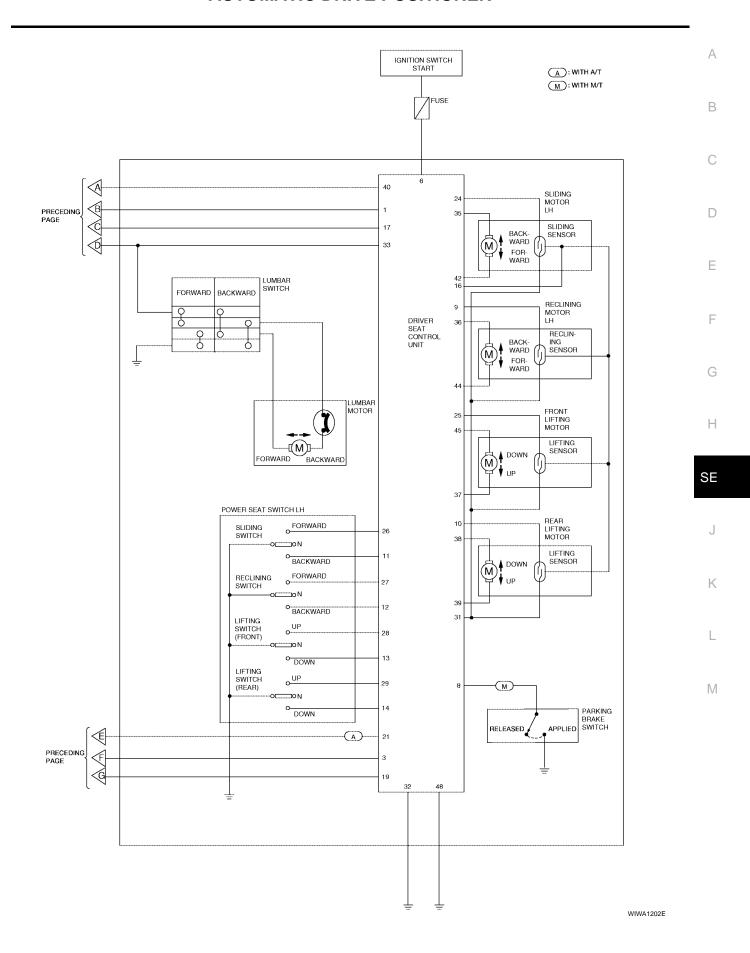
- If Entry/Exiting operation is cancelled, perform memory operation only.
- If ignition switch turns ON in the middle of memory operation, do not perform exiting operation after memory operation.
- If ignition switch turns ON in the middle of exiting operation, shift into entry operation at that time.

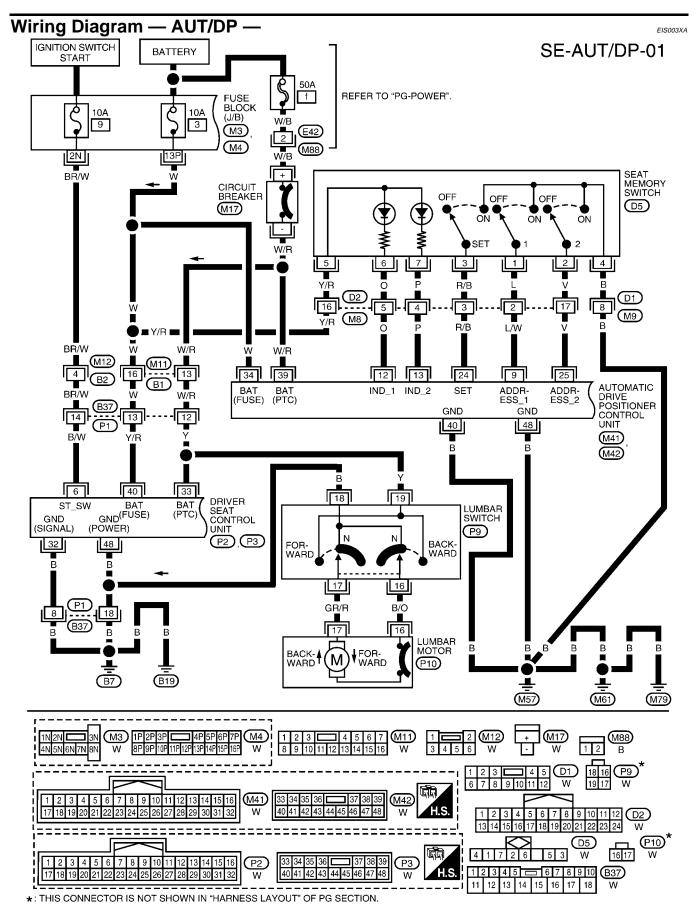
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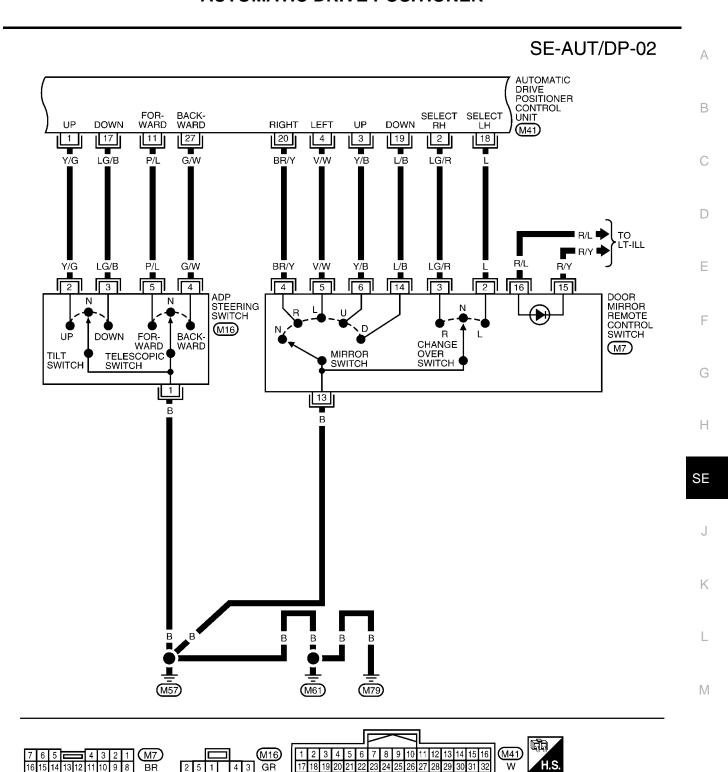
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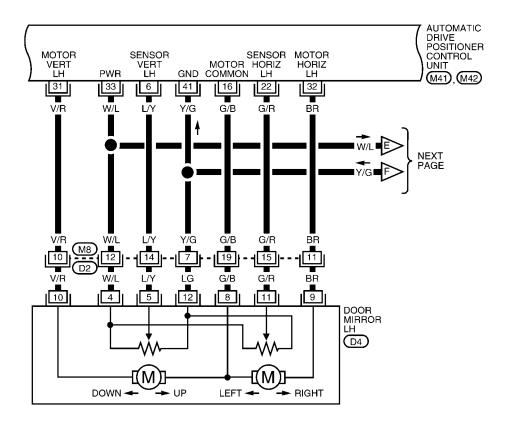


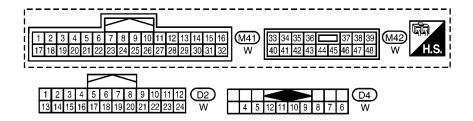
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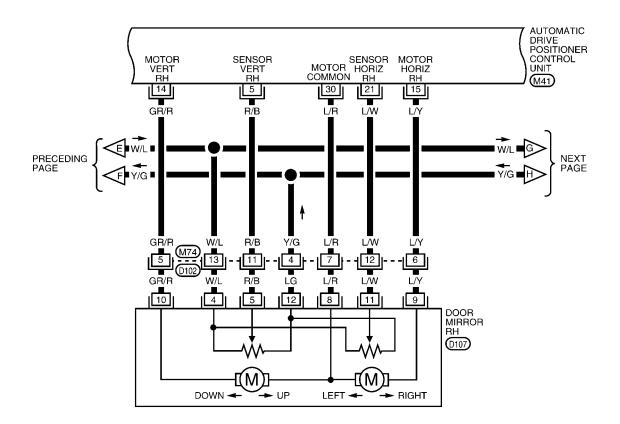
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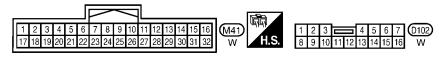
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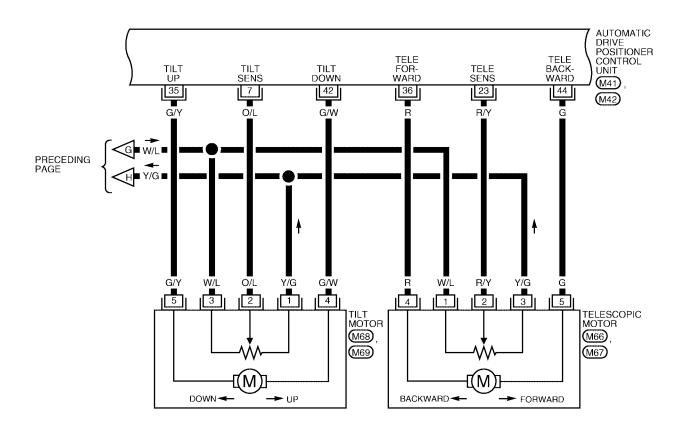
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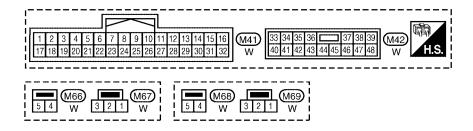




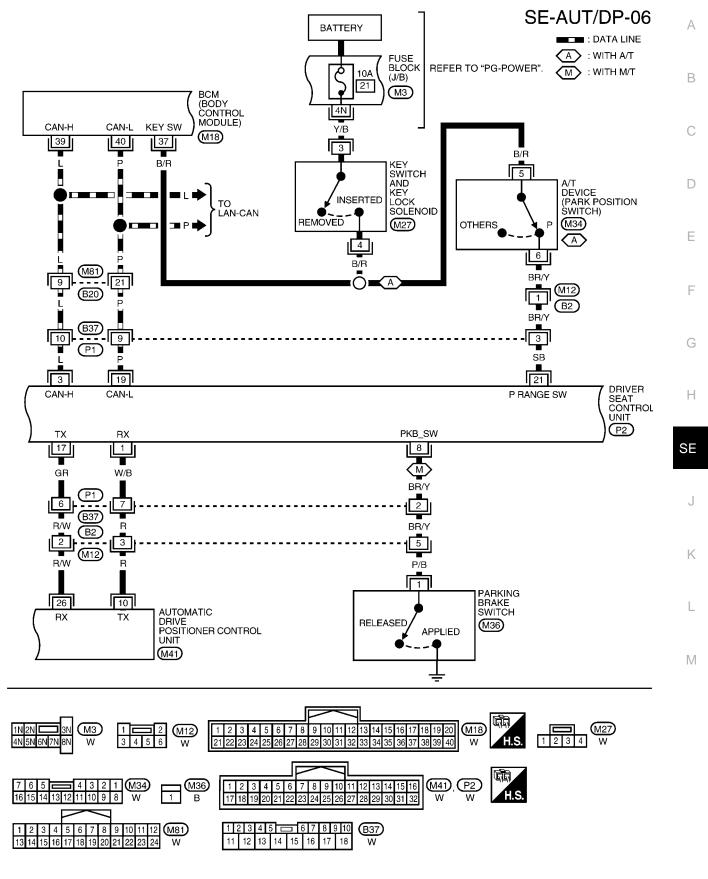
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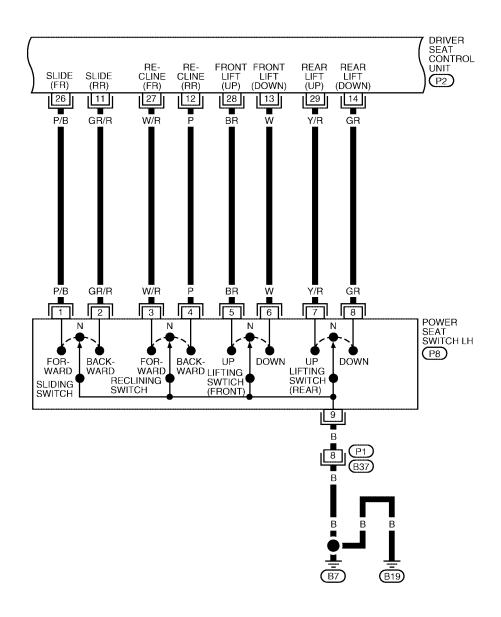


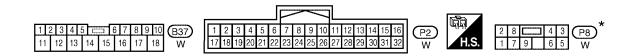
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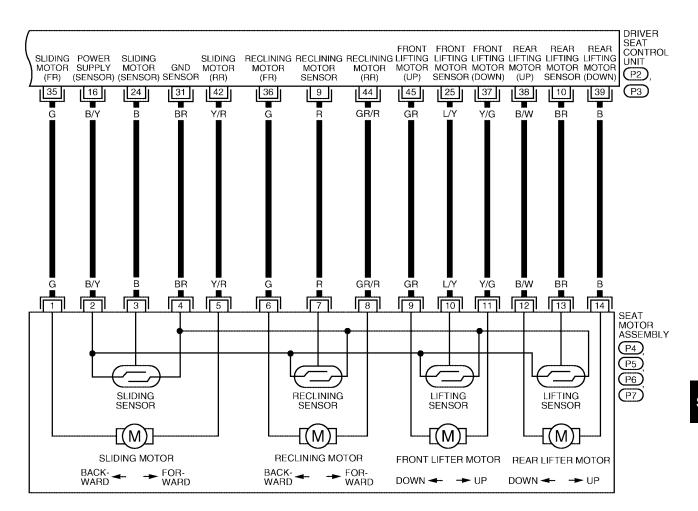


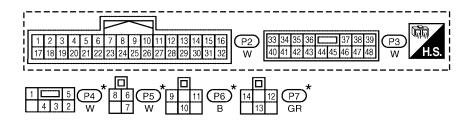


*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

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*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

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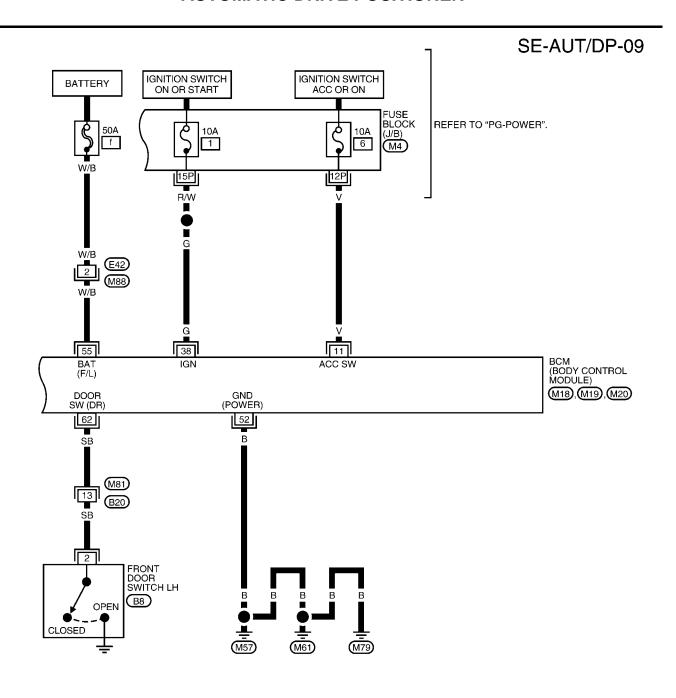
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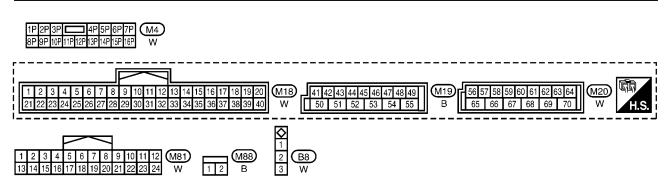
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rmınal	is and	Reference values for	Driver Seat Control U	NIT EIS003XE
Terminal	Wire Color	Item	Condition	Voltage (V) (Approx.)
1	W/B	UART LINE (RX)	_	_
3	L	CAN-H	_	_
6	B/W	Ignition switch (START)	Ignition switch (START position)	Battery voltage
			Parking brake in ON position	0
8	BR/Y	Parking brake switch signal (M/T models only)	Parking brake in other than ON position with ignition key in ignition key cylinder	Battery voltage
9	R	Reclining sensor signal	ON (seat reclining motor operation)	(V) 12 10 8 6
			Other than above	0 or 5
10	BR	Rear lifting sensor signal	ON (rear end lifter motor operation)	(V) 6 4 2 0
			Other than above	0 or 5
11	GR/R	Sliding switch BACKWARD sig-	ON (sliding switch BACKWARD operation)	0
		nal	Other than above	Battery voltage
12	Р	Reclining switch BACKWARD signal	ON (reclining switch BACKWARD operation)	0
		Signal	Other than above	Battery voltage
13	W	Front lifting switch DOWN signal	ON (front lifting switch DOWN operation)	0
			Other than above	Battery voltage
14	GR	Rear lifting switch DOWN signal	ON (rear lifting switch DOWN operation)	0
			Other than above	Battery voltage
16	B/Y	Power supply (ENCODER)	_	5
17	GR	UART LINE (TX)	_	_
19	Р	CAN-L	_	_
			A/T selector lever P position	0
21	SB	A/T device (park position switch) signal	A/T selector lever other than P position with ignition key in ignition key cylinder	Battery voltage

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Terminal	Wire Color	Item	Condition	Voltage (V) (Approx.)	
24 B		Sliding sensor signal	ON (seat sliding motor operation)	(V) 6 4 2 0 50 ms	
			Other than above	0 or 5	
25	L/Y	Front lifting sensor signal	ON (front end lifter motor operation)	(V) 6 4 2 0 ***50ms	
			Other than above.	0 or 5	
26	P/B	Sliding switch FORWARD signal	ON (sliding switch FORWARD operation)	0	
			Other than above	Battery voltage	
27	27 W/R	W/R Reclining switch FO	Reclining switch FORWARD signal	ON (reclining switch FORWARD operation)	0
			Other than above	Battery voltage	
28	BR	Front lifting switch UP signal	ON (front lifting switch UP operation)	0	
			Other than above	Battery voltage	
29	Y/R	Rear lifting switch UP signal	ON (rear lifting switch UP operation)	0	
			Other than above	Battery voltage	
31	BR	Sensor ground	_	0	
32	В	Ground	_	0	
33	Υ	Battery power supply	_	Battery voltage	
35	G	Sliding motor FORWARD output signal	Sliding switch FORWARD operation (motor operated)	Battery voltage	
		7 3	Other than above	0	
36	G	Reclining motor FORWARD output signal	Reclining switch FORWARD operation (motor operated)	Battery voltage	
		put digital	Other than above	0	
37	Y/G	Front lifter motor DOWN output	Front lifting switch DOWN operation (motor operated)	Battery voltage	
		signal	Other than above	0	
38	B/W	Rear lifter motor UP output signal	Rear lifting switch UP operation (motor operated)	Battery voltage	
		i i ui	Other than above	0	
39	В	Rear lifter motor DOWN output signal	Rearlifting switch DOWN operation (motor operated)	Battery voltage	
		- Signal	Other than above	0	
40	Y/R	Battery power supply	_	Battery voltage	

Terminal	Wire Color	Item	Condition	Voltage (V) (Approx.)
42	Y/R	Sliding motor BACKWARD out-	ation (motor operated)	
		put signal	Other than above	0
44	GR/R	Reclining motor BACKWARD output signal	Reclining switch BACKWARD operation (motor operated)	Battery voltage
		output signal	Other than above	0
45	GR	Front lifter motor UP output sig-	Front lifting switch UP operation (motor operated)	Battery voltage
		nal	Other than above	0
48	В	Ground	_	0

Terminals and Reference Values for Automatic Drive Positioner Control Unit

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Terminal	Wire Color	Item	Condition	Voltage (V) (Approx.)
4	V/O	Tilt switch siens LUD	UP operation	0
1	Y/G	Tilt switch signal UP	Other than above	5
0	1.O/D	Ob a second solitable size of DU	RH position	0
2	LG/R	Changeover switch signal RH	Other than above	5
3	Y/B	Mirror quitab aignal LID	UP position	0
3	T/D	Mirror switch signal UP	Other than above	5
4	V/W	Mirror quitab aignal I EET	LEFT position	0
4	V/VV	Mirror switch signal LEFT	Other than above	5
5	R/B	Mirror sensor signal RH VER- TICAL	Door mirror RH UP or DOWN operation	Changes between 3.5 and 0.5
6	L/Y	Mirror sensor signal LH VER- TICAL	Door mirror LH UP or DOWN operation	Changes between 3.5 and 0.5
7	7 0/1	O/L Tilt sensor input	Tilt position TOP	1
7 0/L	The sensor input	Tilt position BOTTOM	4	
0	9 L/W	Power seat memory switch 1	Memory switch 1 ON	0
9 L/VV	signal	Memory switch 1 OFF	5	
10	R	UART LINE (TX)	_	_
11	D/I	P/L Telescopic switch signal FOR-	FORWARD operation	0
" "	F/L	WARD	Other than above	5
12	0	Power seat memory switch	Memory switch 1 ON	1
12	O	indicator 1 signal	Memory switch 1 OFF	Battery voltage
13	Р	Power seat memory switch	Memory switch 2 ON	1
13	Г	indicator 2 signal	Memory switch 2 OFF	Battery voltage
14	GR/R	Mirror motor signal RH UP	UP operation	1.7 - Battery voltage
14	GIVIX	Will of Motor Signal Kill of	Other than above	0
15	L/Y	Mirror motor signal RH LEFT	LEFT operation	1.7 - Battery voltage
13	L/ I	WIII OF THORDES SIGNAL IN LEFT	Other than above	0
		Mirror motor signal LH DOWN	DOWN operation	1.7 - Battery voltage
16	G/B	WILLIAM THOUSE SIGNAL LT DOWN	Other than above	0
10	G/D	Mirror motor signal I U DICUT	RIGHT operation	1.7 - Battery voltage
		Mirror motor signal LH RIGHT	Other than above	0

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Terminal	Wire Color	Item	Condition	Voltage (V) (Approx.)
47	1.0/D	Tile sociedade aires al DOMAI	DOWN operation	0
17	LG/B	Tilt switch signal DOWN	Other than above	5
40			LH position	0
18	L	Changeover switch signal LH	Other than above	5
40	1./5	M: : 1 DOWN	DOWN position	0
19	L/B	Mirror switch signal DOWN	Other than above	5
	DD W	Missas socitals aires at DIOLIT	RIGHT position	0
20	BR/Y	Mirror switch signal RIGHT	Other than above	5
21	L/W	Mirror sensor signal RH HORI- ZONTAL	Door mirror RH LEFT or RIGHT operation	Changes between 3.4 and 0.6
22	G/R	Mirror sensor signal LH HORI- ZONTAL	Door mirror LH LEFT or RIGHT operation	Changes between 3.4 and 0.6
22	R/Y	Tologgopie geneer input	Telescopic position TOP	0.4
23	K/Y	Telescopic sensor input	Telescopic position BOTTOM	4.6
0.4	D/D	Danier and and animal	Set switch ON	0
24	R/B	Power seat set switch signal	Set switch OFF	5
25		V Power seat memory switch 2 signal	Memory switch 2 ON	0
25	V		Memory switch 2 OFF	5
26	R/W	UART LINE (RX)	-	_
27	27 G/W	G/W Telescopic switch signal BACKWARD	BACKWARD operation	0
	0,11		Other than above	5
		Mirror motor signal RH DOWN L/R Mirror motor signal RH RIGHT	DOWN operation	1.7 - Battery voltage
30	L/R		Other than above	0
	_,		RIGHT operation	1.7 - Battery voltage
			Other than above	0
31	V/R	V/R Mirror motor signal LH UP	UP operation	1.7 - Battery voltage
	77.1	ee.e.e.e.g.i.a.i = e.	Other than above	0
32	BR	BR Mirror motor signal LH LEFT	LEFT operation	1.7 - Battery voltage
			Other than above	0
33	W/L	Sensor power supply	_	5
34	W	Battery power supply (FUSE)	_	Battery voltage
35	G/Y	Tilt motor signal UP	UP operation	Battery voltage
	3, .		Other than above	0
36	R	Telescopic motor signal FOR-	FORWARD operation	Battery voltage
		WARD	Other than above	0
39	W/R	Battery power supply (PTC)	_	Battery voltage
40	В	Ground	_	0
41	Y/G	Sensor ground	_	0
42	G/W	Tilt motor DOWN signal	DOWN operation	Battery voltage
· -	2		Other than above	0
44	G	Telescopic motor signal BACK-WARD	BACKWARD operation	Battery voltage
			Other than above	0
48	В	Ground	_	0

Terminals and Reference Values for BCM EIS003XD Wire Voltage (V) **Terminal** Condition Item Color (Approx.) ٧ Battery voltage 11 Ignition switch (ACC or ON) Ignition switch (ACC or ON position) Key inserted \rightarrow Key removed from B/R 37 Ignition key switch (insert) Battery voltage → 0V key cylinder Ignition switch (ON or START posi-G Ignition switch (ON or START) 38 Battery voltage 52 В Ground

Door Close (OFF) → Open (ON)

Trouble Diagnosis **WORK FLOW**

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- Check the symptom and customer's requests.
- Understand the system description. Refer to SE-12, "System Description". 2.
- Perform the preliminary check, refer to <u>SE-31, "PRELIMINARY CHECK"</u>.
- 4. Check the self-diagnosis, results using CONSULT-II refer to SE-36, "Self-diagnosis Results".
- 5. Repair or replace depending on the self-diagnostic results.

Battery power supply

Front door switch LH

- 6. Based on the trouble diagnosis chart, repair or replace the cause of the malfunction. Refer to <u>SE-39</u>, "SYMPTOM CHART" .
- 7. Does the automatic drive positioner system operate normally? If it is normal, GO TO 8. If it is not normal, GO TO 3.
- 8. Inspection end.

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PRELIMINARY CHECK Setting Change Function

The settings of the automatic driving position system can be changed, using CONSULT-II.

×: Applicable -: Not applicable

Battery voltage

Battery voltage → 0V

Setting item	Content	CONSULT-II (WORK SUPPORT)	Display unit	Default setting	Factory setting
0547.01.105	The distance at retain opera-	40mm		×	×
SEAT SLIDE VOLUME SEAT	tion can be selected from the	80mm	_	_	_
	following 3 modes.	150mm		_	_
Sliding Driver Seat and Steering Wheel Raise When Entry/ Exiting	The seat sliding and steering wheel raise exiting and entry at entry/exit can be selected:	ON	ON: Indicator lamp ON	_	×
Vehicle (A/T models only)	ON (operated)—OFF (not operated)	OFF	OFF: Indicator lamp OFF	×	_
Reset custom settings*	All settings to default.	_	Default: Setting button ON	_	_

It is possible to set sliding driver seat and steering wheel raise for entry/exit of vehicle by pressing set switch.

Content	Setting change operation	Indicator LEDs
The seat sliding and steering wheel raise turnout and return at entry/exit can be operated.		Blinking twice
The seat sliding and steering wheel raise turnout and return at entry/exit can be not operated.	Press the set switch for than 10 seconds	Blinking once

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*: Setting of sliding driver seat and steering wheel raise for entry/exit of vehicle is ON at factory-shipment. But if custom settings are reset, setting turns OFF.

NOTE:

- After the setting is registered, the new setting is effective, even if the battery is disconnected.
- If setting change function cannot be set with CONSULT-II or display, refer to <u>SE-34, "CONSULT-II FUNC-TION (AUTO DRIVE POS.)"</u>.
- If setting change function cannot be set with set switch, refer to <u>SE-66, "SEAT MEMORY SWITCH CIRCUIT INSPECTION"</u>.

BCM Power Supply and Ground Circuit Inspection

1. FUSE INSPECTION

Check the following fuses and fusible link for the fuse block (J/B) and fuse and fusible link box.

Unit	Terminal No.	Signal name N		Location
	55	Battery power supply f Fuse and fuslible I		Fuse and fuslible link box
ВСМ	11	Ignition ACC or ON power supply	6	Fuse block (J/B)
	38	Ignition ON or START power supply	1	Fuse block (J/B)

OK or NG

OK >> GO TO 2.

NG >> Replace the fuse or fusible link.

2. BCM POWER SUPPLY CIRCUIT INSPECTION

Disconnect BCM connector, and connect vehicle-side connector terminals shown below to positive probe and body ground to negative probe. Measure voltage.

Unit	Terminal No.	Signal name	Ignition switch	Voltage
	55	Battery power supply	_	Battery voltage
ВСМ	11	Ignition ACC or ON power supply	ACC or ON	Battery voltage
	38	Ignition ON or START power supply	ON or START	Battery voltage

OK or NG

OK >> GO TO 3.

NG >> Repair or replace harness.

3. BCM GROUND CIRCUIT INSPECTION

Check continuity between BCM vehicle-side connector and body ground.

Unit	Terminal No.	Signal name	Ignition switch	Continuity
BCM	52	Ground	_	Yes

OK or NG

OK >> Power supply and ground circuits are normal.

NG >> Repair or replace harness.

DRIVER SEAT CONTROL UNIT AND AUTOMATIC DRIVE POSITIONER CONTROL UNIT POWER SUPPLY AND GROUND CIRCUIT INSPECTION

1. FUSE INSPECTION

Make sure none of the following fuses or fusible link for the driver seat control unit and automatic drive positioner control unit are blown.

Unit	Power source	Fuse No.	
Driver seat control unit	START power supply	9 (10A)	
Driver seat control unit and automotive	Pottory power cumply	3 (10A)	
drive positioner control unit	Battery power supply	f (50A)	

NOTE:

Refer to SE-11, "Component Parts and Harness Connector Location".

OK or NG

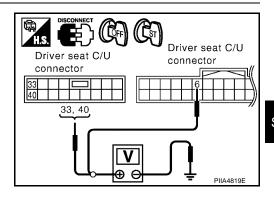
OK >> GO TO 2.

>> If fuse is blown, be sure to eliminate cause of malfunction before installing new fuse. Refer to SE-NG 11, "Component Parts and Harness Connector Location".

2. CHECK DRIVER SEAT CONTROL UNIT POWER SUPPLY CIRCUIT

- Disconnect driver seat control unit.
- 2. Check voltage between driver seat control unit and ground.

Connector	Terminals		Power	Condition	Voltage (V)
Comicolor	(+)	(-)	source	Condition	(Approx.)
P3	33, 40	Ground	Battery power supply	Ignition switch OFF	Battery voltage
P2	6	Ground	START power supply	Ignition switch START	Battery voltage



OK or NG

OK >> GO TO 3.

NG >> Check harness for open and short between driver seat control unit and fuse block (J/B).

3. CHECK DRIVER SEAT CONTROL UNIT GROUND CIRCUIT

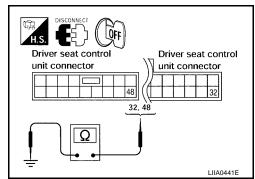
- Turn ignition switch OFF.
- Check continuity between the driver seat control unit connector P2 terminal 32, P3 terminal 48 and ground.

: Continuity should exist. 32 - Ground 48 - Ground : Continuity should exist.

OK or NG

OK >> GO TO 4.

NG >> Repair or replace harness.



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4. CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT POWER SUPPLY CIRCUIT

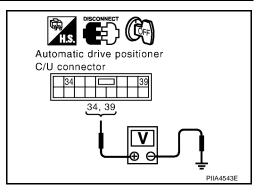
- 1. Disconnect automatic drive positioner control unit.
- 2. Check voltage between automatic drive positioner control unit connector M42 terminal 34, 39 and ground.

34 - Ground : Battery voltage 39 - Ground : Battery voltage

OK or NG

OK >> GO TO 5.

NG >> Repair or replace harness.



5. CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT GROUND CIRCUIT

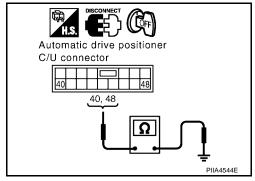
Check continuity between the automatic drive positioner control unit connector M42 terminal 40, 48 and ground.

40 - Ground : Continuity should exist. 48 - Ground : Continuity should exist.

OK or NG

OK >> Automatic drive positioner control unit circuit is OK.

NG >> Repair or replace harness.



CONSULT-II FUNCTION (AUTO DRIVE POS.)

CONSULT-II can display each diagnostic item using the diagnostic test modes shown following.

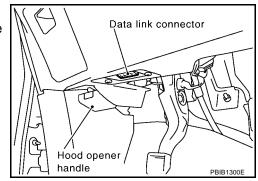
AUTO DRIVE POS. diagnostic mode	Description	
WORK SUPPORT	Supports inspections and adjustments. Commands are transmitted to the driver seat control unit for setting the status suitable for required operation, input/output signals are received from the driver seat control unit and received data is displayed.	
SELF-DIAG RESULTS	Displays driver seat control unit self-diagnosis results.	
DATA MONITOR	Displays driver seat control unit input/output data in real time.	
CAN DIAG SUPPORT MNTR	The result of transmit/receive diagnosis of CAN communication can be read.	
ACTIVE TEST	Operation of electrical loads can be checked by sending drive signal to them.	
ECU PART NUMBER	Driver seat control unit part number can be read.	

CONSULT-II Inspection Procedure

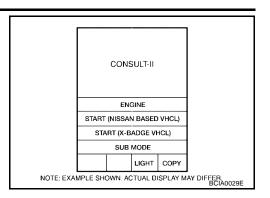
CAUTION:

If CONSULT-II is used with no connection of CONSULT-II CONVERTER, malfunctions might be detected in self-diagnosis depending on control unit which carries out CAN communication.

- Turn ignition switch OFF.
- 2. Connect CONSULT-II and CONSULT-II CONVERTER to the data link connector.
- Turn ignition switch ON.

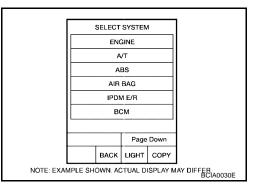


4. Touch "START (NISSAN BASED VHCL)".

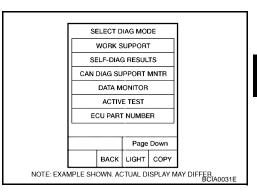


5. Touch "AUTO DRIVE POS".

If "AUTO DRIVE POS." is not indicated, refer to GI-39, "CON-SULT-II Data Link Connector (DLC) Circuit".



6. Select diagnosis mode. "DATA MONITOR", "ACTIVE TEST", "SELF-DIAG RESULTS", "ECU PART NUMBER" and "WORK SUPPORT" are available.



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Self-diagnosis Results DISPLAY ITEM LIST

CONSULT-II display	Item	Malfunction is detected when	Reference page
CAN COMM CIRC [U1000]	CAN communication	Malfunction is detected in CAN communication.	SE-38
SEAT SLIDE [B2112]	Seat slide motor	When any manual and automatic operations are not performed, if any motor operations of seat slide is detected for 0.1 second or more, status is judged "Output error".	<u>SE-41</u> <u>SE-52</u>
SEAT RECLNING [B2113]	Seat reclining motor	When any manual and automatic operations are not performed, if any motor operations of seat reclining is detected for 0.1 second or more, status is judged "Output error".	<u>SE-42</u> <u>SE-53</u>
SEAT LIFTER-FR [B2114]	Seat lifting FR motor	When any manual and automatic operations are not performed, if any motor operations of seat lifting FR is detected for 0.1 second or more, status is judged "Output error".	<u>SE-44</u> <u>SE-54</u>
SEAT LIFTER-RR [B2115]	Seat lifting RR motor	When any manual and automatic operations are not performed, if any motor operations of seat lifting RR is detected for 0.1 second or more, status is judged "Output error".	<u>SE-45</u> <u>SE-55</u>
STEERING TILT [B2116]	Steering tilt motor	When any manual and automatic operations are not performed, if any motor operations of tilt is detected for 0.1 second or more, status is judged "Output error".	<u>SE-49</u>
TELESCO MOTOR [B2117]	Steering telescopic motor	When any manual and automatic operations are not performed, if any motor operations of tilt is detected for 0.1 second or more, status is judged "Output error".	<u>SE-49</u>
TILT SENSOR [B2118]	Steering tilt sensor	When steering tilt sensor detects 0.5V or lower, or 4.5V or higher, for 0.5 seconds or more.	SE-62
STEERING TELE- SCO SENSOR [B2119]	Steering telescopic sensor	When steering telescopic sensor detects 0.5V or lower, or 4.5V or higher, for 0.5 seconds or more.	<u>SE-62</u>
DETENT SW [B2126]	Park position switch	With the A/T selector lever in P position (park position switch OFF), if the vehicle speed of 7 km/h (4 MPH) or higher was input the park position switch input system is judged malfunctioning.	<u>SE-59</u>
PARKING BRAKE [B2127]	Parking brake	With parking brake use (parking brake switch ON), if a vehicle speed of 7 km/h (4 MPH) or higher is input, the parking brake switch input system is judged malfunctioning.	SE-60
UART COMM [B2128]	UART communica- tion	Malfunction is detected in UART communication.	<u>SE-83</u>

NOTE:

- Parking brake malfunction will be detected when starting vehicle on grade or driving without releasing parking brake.
- The displays of CAN communication and detection switch display error detecting condition from memory erase to the present on "TIME".
- If error is detected in the past and present error is detected, "CRNT" is displayed.
- If error is detected in the past and present error is not detected, "PAST" is displayed.
- If error has never been detected, nothing is displayed on "TIME".
- Any items other than CAN communication and detection switch count error detection frequency occurred after erase history to "1-127".
- If error was detected in the past, error detection frequency from memory erase to the present is displayed on "TIME".
- If error has never been detected, nothing is displayed on "TIME".
- Can clear the detected memory.
- Normal: Clear memory in normal condition, history is erased and nothing is displayed on "TIME".
- Error: Clear memory in error condition, error is detected again and "1" is displayed on "TIME".

Data Monitor	
CAN DIAGNOSIS SUPPORT MONITO	R

Monitor item [UNIT]		Contents	
CAN COMM	[OK/NG]	When CAN communication circuit is malfunctioning, it displays "NG".	
INITIAL DIAG	[OK/UNKWN]	Displays [OK/UNKWN] condition of the CAN communication judged by signal input.	
TRANSMIT DIAG	[OK/UNKWN]	Displays [OK/UNKWN] condition of the CAN communication judged by signal input.	
ECM	[OK/UNKWN]	Displays [OK/UNKWN] condition of the CAN communication judged by signal input.	
IPDM E/R	[OK/UNKWN]	Displays [OK/UNKWN] condition of the CAN communication judged by signal input.	

SELECTIOM FROM MENU

Monitor item [OPERA	ΓΙΟΝ or UNIT]	Contents			
SLIDE SW-FR	"ON/OFF"	ON/OFF status judged from the sliding switch (FR) signal is displayed.			
SLIDE SW-RR	"ON/OFF"	ON/OFF status judged from the sliding switch (RR) signal is displayed.			
RECLN SW-FR	"ON/OFF"	ON/OFF status judged from the reclining switch (FR) signal is displayed.			
RECLIN SW-RR	"ON/OFF"	ON/OFF status judged from the reclining switch (RR) signal is displayed.			
LIFT FR SW-UP	"ON/OFF"	ON/OFF status judged from the FR lifting switch (UP) signal is displayed.			
LIFT FR SW-DN	"ON/OFF"	ON/OFF status judged from the FR lifting switch (DOWN) signal is displayed.			
LIFT RR SW-UP	"ON/OFF"	ON/OFF status judged from the RR lifting switch (UP) signal is displayed.			
LIFT RR SW-DN	"ON/OFF"	ON/OFF status judged from the RR lifter switch (DOWN) signal is displayed.			
MIR CON SW-UP	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (UP) signal is displayed.			
MIR CON SW-DN	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (DOWN) signal is displayed.			
MIR CON SW-RH	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (RIGHT) signal is displayed.			
MIR CON SW-LH	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (LEFT) sign displayed.			
MIR CHNG SW-R	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (switching RIGHT) signal is displayed.			
MIR CHNG SW-L	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (switching LEFT) signal is displayed.			
SET SW	"ON/OFF"	ON/OFF status judged from the setting switch signal is displayed.			
TILT SW-UP	"ON/OFF"	ON/OFF status judged from the tilt adjusting switch (UP) signal is displayed.			
TELESCO SW-FR	"ON/OFF"	ON/OFF status judged from the telescopic adjusting switch (FR) signal is displayed.			
MEMORY SW1	"ON/OFF"	ON/OFF status judged from the seat memory switch 1 signal is displayed.			
MEMORY SW2	"ON/OFF"	ON/OFF status judged from the seat memory switch 2 signal is displayed.			
DETENT SW	"ON/OFF"	The A/T selector lever position "ON (P position) / OFF (other than P position)" judged from the park position switch signal is displayed.			
STARTER SW	"ON/OFF"	Ignition key switch ON (START, ON) /OFF (ignition switch IGN, ACC, or OFF) status judged from the ignition switch signal is displayed.			
SLIDE PULSE	_	Value (32768) when battery connects is as standard. If it moves forward, the value increases. If it moves backward, the value decreases.			
RECLN PULSE	_	Value (32768) when battery connects is as standard. If it moves forward, the value increases. If it moves backward, the value decreases.			
LIFT FR PULSE	_	Value (32768) when battery connects is as standard. If it moves forward, the value increases. If it moves backward, the value decreases.			

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Monitor item [OPERATION or UNIT]		Contents	
LIFT RR PULSE	_	Value (32768) when battery connects is as standard. If it moves forward, the value increases. If it moves backward, the value decreases.	
MIR/SEN RH R-L	"ON/OFF"	Voltage output from LH door mirror sensor (LH/RH) is displayed.	
MIR/SEN RH U-D	"ON/OFF"	Voltage output from LH door mirror sensor (UP/DOWN) is displayed.	
MIR/SEN LH R-L	"ON/OFF"	Voltage output from RH door mirror sensor (LH/RH) is displayed.	
MIR/SEN LH U-D	"ON/OFF"	Voltage output from RH door mirror sensor (Up/DOWN) is displayed.	
PARK BRAKE SW	"ON/OFF"	"ON/OFF" status from the parkng brake switch signal is displayed.	

Active Test

CAUTION:

During vehicle driving, it does not perform active test.

NOTF:

If active test is performed, reset automatic drive positioner seat memory after performing work.

DISPLAY ITEM LIST

Test item	Description
SEAT SLIDE	The sliding motor is activated by receiving the drive signal.
SEAT RECLINING	The reclining motor is activated by receiving the drive signal.
SEAT LIFTER FR	The front lifter motor is activated by receiving the drive signal.
SEAT LIFTER RR	The rear lifter motor is activated by receiving the drive signal.
MEMORY SW INDCTR	The memory switch indicator is lit by receiving the drive signal.
MIRROR MOTOR RH	The RH mirror motor moves the mirror UP/DOWN and LEFT/RIGHT by receiving the drive signal.
MIRROR MOTOR LH	The LH mirror motor moves the mirror UP/DOWN and LEFT/RIGHT by receiving the drive signal.

CAN COMMUNICATION INSPECTION USING CONSULT-II (SELF-DIAGNOSIS)

1. SELF-DIAGNOSTIC RESULT CHECK

CAUTION:

If CONSULT-II is used with no connection of CONSULT-II CONVERTER, malfunctions might be detected in self-diagnosis depending on control unit which carries out CAN communication.

- 1. Connect to CONSULT-II and select "AUTO DRIVE POS" on the "SELECT DIAG SYSTEM" screen.
- 2. Select "SELF-DIAG RESULTS" on "SELECT DIAG MODE" screen.
- 3. Check display content in self-diagnostic results.

CONSULT-II display code	Diagnostic item
	INITIAL DIAG
	TRANSMIT DIAG
U1000	ECM
	IPDM E/R
	METER/M&A

Contents diplayed.

No malfunction>>Inspection end.

Malfunction in CAN communication system>>After printing the monitor items, go to "CAN System". Refer to LAN-25, "CAN COMMUNICATION".

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Symptom	Diagnoses / service procedure	Refer to page
	Sliding motor circuit inspection	<u>SE-41</u>
	2. Reclining motor circuit inspection	SE-42
A part of seat system does not operate (both automati-	3. Front lifter motor circuit inspection	<u>SE-44</u>
cally and manually).	4. Rear lifter motor circuit inspection	<u>SE-45</u>
	If the above systems are normal, replace the driver seat control unit.	_
	Mirror motor LH circuit check	SE-46
A part of door mirror does not operate (both automatically	2. Mirror motor RH circuit check	SE-48
and manually).	3. If the above systems are normal, replace the automatic drive positioner control unit.	_
	Sliding sensor circuit inspection	<u>SE-52</u>
	Reclining sensor circuit inspection	SE-53
A part of seat system does not operate (only automatic	3. Front lifting sensor circuit inspection	SE-54
operation).	Rear lifting sensor circuit inspection	SE-55
	5. If the above systems are normal, replace the driver seat control unit.	_
	Mirror sensor LH circuit check	<u>SE-56</u>
A part of door mirror system does not operate (only auto-	2. Mirror sensor RH circuit check	<u>SE-58</u>
matic operation).	3. If the above systems are normal, replace the automatic drive positioner control unit.	_
	A/T device (park position switch) circuit inspection (A/T model only)	<u>SE-59</u>
	Parking brake switch circuit inspection (M/T model only)	
	3. Key switch and key lock solenoid circuit inspection	SE-64
All the automatic operations do not operate.	4. UART communication line circuit inspection	SE-83
	5. Tilt sensor circuit inspection	SE-63
	6. Telescopic sensor circuit inspection	SE-62
	7. If all the above systems are normal, replace the automatic drive positioner control unit.	-
	Sliding switch circuit inspection	SE-68
	Reclining switch circuit inspection	SE-69
A part of seat system does not operate (only manual	3. Front lifting switch circuit inspection	<u>SE-71</u>
operation).	Rear lifting switch circuit inspection	<u>SE-72</u>
	5. If the above systems are normal, replace the driver seat control unit.	_
	Seat sensor power supply and ground inspection	<u>SE-40</u>
	2. Sliding sensor circuit inspection	<u>SE-52</u>
Seat function does not operate (only automatic opera-	Reclining sensor circuit inspection	<u>SE-53</u>
tion).	4. Front lifting sensor circuit inspection	<u>SE-54</u>
	5. Rear lifting sensor circuit inspection	<u>SE-55</u>
	6. If the above systems are normal, replace the driver seat control unit.	-

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Symptom	Diagnoses / service procedure	Refer to page
	Door mirror remote control switch (change over switch) circuit inspection	<u>SE-74</u>
A part of door mirror does not operate (only manual operation).	Door mirror remote control switch (mirror switch) switching circuit inspection	<u>SE-76</u>
	If the above systems are normal, replace the automatic drive positioner control unit.	_
Automatic drive positioner system does not energia (enly	Seat memory switch circuit inspection	SE-66
Automatic drive positioner system does not operate (only memory switch operation).	If the above systems are normal, replace the driver seat control unit.	_
	Seat memory indicator lamp circuit inspection	SE-82
Seat memory indicator lamps 1 and 2 do not illuminate.	2. If all the above systems are normal, replace the driver seat control unit.	-
The Entry/Exiting does not operate when door is opened	Front door switch LH circuit inspection	SE-65
and closed. (The Entry/Exiting operates with key switch) (A/T model only)	2. If all the above systems are normal, replace the BCM.	-
Seat system does not operate (only manual operation).	Power seat switch ground circuit inspection	SE-73

SEAT SENSOR POWER SUPPLY AND GROUND INSPECTION

1. CHECK SEAT SENSOR HARNESS CONTINUITY

- 1. Turn ignition switch OFF.
- 2. Disconnect driver seat control unit and seat motor assembly.
- 3. Check continuity between driver seat control unit connector P2 terminals 16, 31 and seat motor assembly P4 terminals 2, 4.

16 - 2 : Continuity should exist. 31 - 4 : Continuity should exist.

4. Check continuity between driver seat control unit connector P2 terminals 16, 31 and ground.

16 - Ground : Continuity should not exist.31 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 2.

NG >> Repair or replace harness.

2. CHECK SEAT SENSOR POWER SUPPLY

- 1. Connect driver seat control unit.
- 2. Turn ignition switch ON.
- Check voltage between driver seat control unit connector P2 terminal 16 and ground.

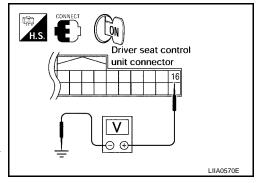
16 - Ground : 5V

OK or NG

NG

OK >> GO TO 3.

>> Replace driver seat control unit. Refer to <u>SE-100</u>, "FRONT SEAT".



3. CHECK SEAT SENSOR GROUND CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Check continuity between driver seat control unit connector P2 terminal 31 and ground.

31 - Ground

: Continuity should not exist.

OK or NG

OK

>> Check the condition of the harness and connector.

NG >> Replace driver seat control unit. Refer to SE-100, "FRONT SEAT".

QFF Driver seat control unit connector LIIA0571E

SLIDING MOTOR CIRCUIT INSPECTION

1. CHECK SEAT SLIDING MECHANISM

Check the following.

- Operation malfunction caused by sliding rail deformation or pinched harness or other foreign materials
- Operation malfunction caused by foreign materials adhered to the sliding motor or sliding rail connector
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.

NG >> Repair the malfunctioning part and check again.

2. CHECK FUNCTION

(P) With CONSULT-II

Check operation with "SEAT SLIDE" in ACTIVE TEST.

Test item	Description
SEAT SLIDE	The sliding motor is activated by receiving the drive signal.

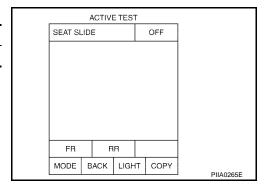
⋈ Without CONSULT-II

GO TO 3.

OK or NG

OK >> Sliding motor circuit is OK.

NG >> GO TO 3.



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3. CHECK SLIDING MOTOR HARNESS CONTINUITY

- 1. Turn ignition switch OFF.
- 2. Disconnect driver seat control unit and sliding motor.
- 3. Check continuity between driver seat control unit connector P3 terminals 35, 42 and sliding motor connector P4 terminals 1, 5.

35 - 1 : Continuity should exist. 42 - 5 : Continuity should exist.

4. Check continuity between driver seat control unit connector P3 terminals 35, 42 and ground.

35 - Ground : Continuity should not exist.42 - Ground : Continuity should not exist.

Driver seat control unit connector 35 42 1,5 LIIA0444E

OK or NG

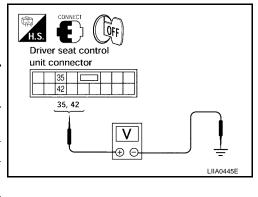
OK >> GO TO 4.

NG >> Repair or replace harness.

4. CHECK DRIVER SEAT CONTROL UNIT OUTPUT SIGNAL

- 1. Connect the driver seat control unit and sliding motor.
- 2. Check voltage between driver seat control unit connector and ground.

Connector	Terminals		Condition	Voltage (V)
	(+)	(-)	Condition	(Approx.)
P3 —	35	Ground	Sliding switch ON (FORWARD operation)	Battery voltage
			Other than above	0
			Sliding switch ON (BACKWARD operation)	Battery voltage
			Other than above	0



OK or NG

OK >> Replace sliding motor. Refer to SE-100, "FRONT SEAT".

NG >> Replace driver seat control unit. Refer to <u>SE-100, "FRONT SEAT"</u>.

RECLINING MOTOR CIRCUIT INSPECTION

1. CHECK SEAT RECLINING MECHANISM

Check the following.

- Operation malfunction caused by an interference with the center pillar or center console
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.

NG >> Repair the malfunctioning part and check again.

2. CHECK FUNCTION

(P) With CONSULT-II

Check operation with "SEAT RECLINING" in ACTIVE TEST.

Test item	Description
SEAT RECLINING	The reclining motor is activated by receiving the drive signal.

⋈ Without CONSULT-II

GO TO 3.

OK or NG

OK >> Reclining motor circuit is OK.

NG >> GO TO 3.

3. CHECK RECLINING MOTOR HARNESS CONTINUITY

- 1. Turn ignition switch OFF.
- 2. Disconnect driver seat control unit and reclining motor.
- Check continuity between driver seat control unit connector P3 terminals 36, 44 and reclining motor connector P5 terminals 6,

: Continuity should exist. 36 - 6 44 - 8 : Continuity should exist.

Check continuity between driver seat control unit connector P3 terminals 36, 44 and ground.

> : Continuity should not exist. 36 - Ground 44 - Ground : Continuity should not exist.

OK or NG

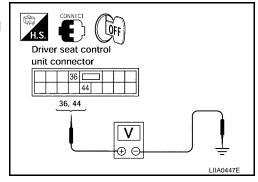
OK >> GO TO 4.

NG >> Repair or replace harness.

4. CHECK DRIVER SEAT CONTROL UNIT OUTPUT SIGNAL

- Connect the driver seat control unit and reclining motor.
- Check voltage between driver seat control unit connector and ground.

Connector	Terminals		Condition	Voltage (V)
Connector	(+)			(Approx.)
	36	Ground	Reclining switch ON (FORWARD operation)	Battery voltage
P3			Other than above	0
	44		Reclining switch ON (BACKWARD operation)	Battery voltage
			Other than above	0



OK or NG

OK >> Replace reclining motor. Refer to SE-100, "FRONT SEAT" .

NG >> Replace driver seat control unit. Refer to <u>SE-100, "FRONT SEAT"</u>.

ACTIVE TEST SEAT RECLINING OFF RR MODE BACK LIGHT PIIA0268E

Driver seat control

36, 44

44

unit connector

Reclining motor

connector

6 8

6, 8

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FRONT LIFTER MOTOR CIRCUIT INSPECTION

1. CHECK FRONT SEAT LIFTING MECHANISM

Check the following.

- Operation malfunction caused by lifter mechanism deformation or pinched harness or other foreign materials
- Operation malfunction caused by foreign materials adhered to the lifter motor or lead screws
- Operation malfunction and interference with other parts by installation

OK or NG

OK >> GO TO 2.

NG >> Repair the malfunctioning part and check again.

2. CHECK FUNCTION

(II) With CONSULT-II

Check operation with "SEAT LIFTER FR" in ACTIVE TEST.

Test item	Description
SEAT LIFTER FR	The front lifter motor is activated by receiving the drive signal.

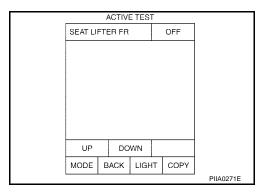
W Without CONSULT-II

ĞO TO 3.

OK or NG

OK >> Front lifter motor circuit is OK.

NG >> GO TO 3.



3. CHECK FRONT LIFTER MOTOR HARNESS CONTINUITY

- 1. Turn ignition switch OFF.
- Disconnect driver seat control unit connector and front lifter motor connector.
- Check continuity between driver seat control unit connector P3 terminals 37, 45 and front lifter motor connector P6 terminals 9, 11.

37 - 11 : Continuity should exist.45 - 9 : Continuity should exist.

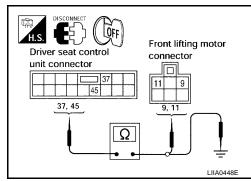
4. Check continuity between driver seat control unit connector P3 terminals 37, 45 and ground.

37 - Ground : Continuity should not exist.45 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 4.

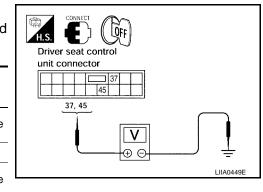
NG >> Repair or replace harness.



4. CHECK DRIVER SEAT CONTROL UNIT OUTPUT SIGNAL

- Connect the driver seat control unit and front lifter motor.
- 2. Check voltage between driver seat control unit connector and ground.

Connector	Terminals		Condition	Voltage (V)
	(+)	(-)	Condition	(Approx.)
P3 -	37	Ground	Front lifting switch ON (UP operation)	Battery voltage
			Other than above	0
		Ground	Front lifting switch ON (DOWN operation)	Battery voltage
		=	Other than above	0



OK or NG

OK >> Replace front lifter motor. Refer to SE-100, "FRONT SEAT".

NG >> Replace driver seat control unit. Refer to <u>SE-100, "FRONT SEAT"</u>.

REAR LIFTING MOTOR CIRCUIT INSPECTION

1. CHECK REAR SEAT LIFTING MECHANISM

Check the following.

- Operation malfunction caused by lifter mechanism deformation or pinched harness or other foreign materials
- Operation malfunction caused by foreign materials adhered to the lifter motor or lead screws
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.

NG >> Repair the malfunctioning part and check again.

2. CHECK FUNCTION

(P) With CONSULT-II

Check operation with "SEAT LIFTER RR" in ACTIVE TEST.

Test item	Description
SEAT LIFTER R R	The rear lifter motor is activated by receiving the drive signal.

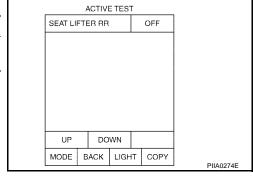
⋈ Without CONSULT-II

GO TO 3.

OK or NG

OK >> Rear lifter motor circuit is OK.

NG >> GO TO 3.



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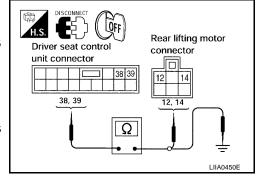
3. CHECK REAR LIFTER MOTOR HARNESS CONTINUITY

- 1. Turn ignition switch OFF.
- 2. Disconnect driver seat control unit and rear lifter motor.
- 3. Check continuity between driver seat control unit connector P3 terminals 38, 39 and lifter motor connector P7 terminals 12, 14.

38 - 12 : Continuity should exist.39 - 14 : Continuity should exist.

 Check continuity between driver seat control unit P3 terminals 38, 39 and ground.

38 - Ground : Continuity should not exist.39 - Ground : Continuity should not exist.



OK or NG

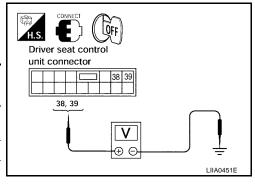
OK >> GO TO 4.

NG >> Repair or replace harness.

4. CHECK DRIVER SEAT CONTROL UNIT OUTPUT SIGNAL

- 1. Connect the driver seat control unit and rear lifter motor.
- 2. Check voltage between driver seat control unit connector and ground.

Connector	Terminals		Condition	Voltage (V)
	(+)	(-)	Condition	(Approx.)
	38	Ground	Rear lifting switch ON (UP operation)	Battery voltage
P3			Other than above	0
13			Rear lifting switch ON (DOWN operation)	Battery voltage
			Other than above	0



OK or NG

OK >> Replace rear lifter motor. Refer to SE-100, "FRONT SEAT".

NG >> Replace driver seat control unit. Refer to <u>SE-100, "FRONT SEAT"</u>.

MIRROR MOTOR LH CIRCUIT INSPECTION

1. CHECK MIRROR MOTOR LH MECHANISM

Check the following.

- Operation malfunction caused by lifter mechanism deformation or pinched harness or other foreign materials
- Operation malfunction caused by foreign materials adhered to the mirror motor or lead screws
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.

NG >> Repair the malfunctioning part and check again.

2. CHECK FUNCTION

(II) With CONSULT-II

Check operation with "MIRROR MOTOR LH" in ACTIVE TEST.

Test item	Description
MIRROR MOTOR LH	The mirror motor LH is activated by receiving the drive signal.

⋈ Without CONSULT-II

GO TO 3.

OK or NG

OK >> Mirror motor LH circuit is OK.

NG >> GO TO 3.

MIRROR MOTOR LH OFF UP DOW L R MODE BACK LIGHT COPY

3. CHECK MIRROR MOTOR LH HARNESS CONTINUITY

- 1. Turn ignition switch OFF.
- Disconnect automatic drive positioner control unit and door mirror LH.
- 3. Check continuity between automatic drive positioner control unit connector M41 terminals 16, 31, 32 and door mirror LH connector D4 terminals 8, 9, 10.

16 - 8 : Continuity should exist.
31 - 10 : Continuity should exist.
32 - 9 : Continuity should exist.

4. Check continuity between automatic drive positioner control unit connector M41 terminals 16, 31, 32 and ground.

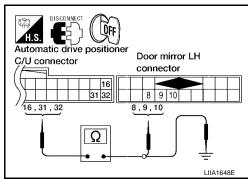
16 - Ground : Continuity should not exist.
31 - Ground : Continuity should not exist.
32 - Ground : Continuity should not exist.

OK or NG

NG

OK >> GO TO 4.

>> Repair or replace harness.



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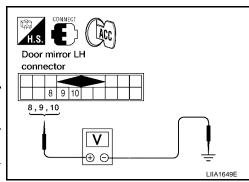
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4. CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT OUTPUT SIGNAL

- Connect the automatic drive positioner control unit and door mirror LH.
- 2. Turn ignition switch to ACC.
- 3. Check voltage between door mirror LH connector and ground.

Connector	Terminals		Condition	Voltage (V)
	(+)	(-)	Condition	(Approx.)
D4	8	Ground	When motor is DOWN or RIGHT operation	1.7 - Battery voltage
			Other than above	0
	9 Ground		When motor is LEFT operation	1.7 - Battery voltage
		Other than above	0	
		When motor is UP operation	1.7 - Battery voltage	
			Other than above	0



OK or NG

OK >> Replace door mirror LH.

NG >> Replace automatic drive positioner control unit.

MIRROR MOTOR RH CIRCUIT INSPECTION

1. CHECK MIRROR MOTOR RH MECHANISM

Check the following.

- Operation malfunction caused by lifter mechanism deformation or pinched harness or other foreign materials
- Operation malfunction caused by foreign materials adhered to the mirror motor or lead screws
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.

NG >> Repair the malfunctioning part and check again.

2. CHECK FUNCTION

(II) With CONSULT-II

Check operation with "MIRROR MOTOR RH" in ACTIVE TEST.

Test item	Description	
MIRROR MOTOR RH	The mirror motor LH is activated by receiving the drive signal.	

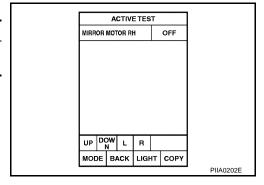
W Without CONSULT-II

ĞO TO 3.

OK or NG

OK >> Mirror motor RH circuit is OK.

NG >> GO TO 3.



3. CHECK MIRROR MOTOR RH HARNESS CONTINUITY

- 1. Turn ignition switch OFF.
- Disconnect automatic drive positioner control unit and door mirror RH.
- 3. Check continuity between automatic drive positioner control unit connector M41 terminals 14, 15, 30 and door mirror RH connector D107 terminals 8, 9, 10.

14 - 10 : Continuity should exist.
15 - 9 : Continuity should exist.
30 - 8 : Continuity should exist.

 Check continuity between automatic drive positioner control unit connector M41 terminals 14, 15, 30 and ground.

14 - Ground : Continuity should not exist.
15 - Ground : Continuity should not exist.
30 - Ground : Continuity should not exist.

Automatic drive positioner Door mirror RH C/U connector C/U connector Automatic drive positioner Door mirror RH C/U connector CONNECTOR Automatic drive positioner Door mirror RH C/U connector Automatic drive positioner Door mirror RH C/U connector CONNECTOR Automatic drive positioner Door mirror RH C/U connector CONNECTOR Automatic drive positioner Door mirror RH C/U connector CONNECTOR Automatic drive positioner Door mirror RH C/U connector CONNECTOR Automatic drive positioner Door mirror RH C/U connector CONNECTOR Automatic drive positioner Door mirror RH C/U connector CONNECTOR Automatic drive positioner Door mirror RH C/U connector CONNECTOR Automatic drive positioner Door mirror RH C/U connector LIIIA1650E

OK or NG

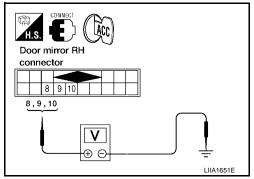
OK >> GO TO 4.

NG >> Repair or replace harness.

4. CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT OUTPUT SIGNAL

- Connect the automatic drive positioner control unit and door mirror RH.
- 2. Turn ignition switch to ACC.
- 3. Check voltage between door mirror RH connector and ground.

Connector	Terminals		Condition	Voltage (V)
	(+)	(–)	Condition	(Approx.)
	8	Ground	When motor is DOWN or RIGHT operation	1.7 - Battery voltage
			Other than above	0
D107	9 Ground		When motor is LEFT operation	1.7 - Battery voltage
			Other than above	0
		When motor is UP operation	1.7 - Battery voltage	
		Other than above	0	



OK or NG

OK >> Replace door mirror RH. Refer to <u>GW-121, "Door Mirror Assembly"</u>.

NG >> Replace automatic drive positioner control unit.

TELESCOPIC CIRCUIT INSPECTION

1. CHECK TELESCOPIC MOTOR

Check the following.

- Operation malfunction caused by telescopic motor deformation or pinched harness or other foreign materials
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.

NG >> Repair the malfunctioning part and check again.

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2. CHECK FUNCTION

(P) With CONSULT-II

Check operation with "TELESCO MOTOR" in ACTIVE TEST.

Test item	Description
TELESCO MOTOR	The telescopic motor is activated by receiving the drive signal.

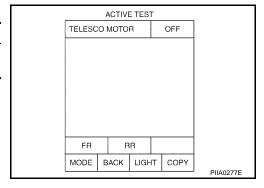
N Without CONSULT-II

GO TO 3.

OK or NG

OK >> Telescopic motor circuit is OK.

NG >> GO TO 3.



3. CHECK TELESCOPIC MOTOR HARNESS CONTINUITY

- 1. Turn ignition switch OFF.
- Disconnect automatic drive positioner control unit and telescopic motor.
- 3. Check continuity between automatic drive positioner control unit connector M42 terminals 36, 44 and telescopic motor connector M66 terminals 4, 5.

36 - 4 : Continuity should exist. 44 - 5 : Continuity should exist.

4. Check continuity between automatic drive positioner control unit connector M42 terminals 36, 44 and ground.

36 - Ground : Continuity should not exist. 44 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 4.

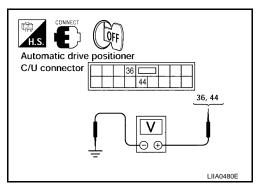
NG >> Repair or replace harness.

Automatic drive positioner C/U connector 36, 44 4, 5 LIIA0479E

4. CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT OUTPUT SIGNAL

- Connect automatic drive positioner control unit and telescopic motor.
- 2. Check voltage between automatic drive positioner control unit connector and ground.

Connector	Terminals		Condition	Voltage (V)
Connection	(+)	(-)	Condition	(Approx.)
	36	Ground	Telescopic switch ON (FORWARD operation)	Battery voltage
			Other than above	0
M42	44		Telescopic switch ON (BACKWARD operation)	Battery voltage
			Other than above	0



OK or NG

OK >> Replace telescopic motor.

NG >> Replace automatic drive positioner control unit.

TILT CIRCUIT INSPECTION

1. CHECK TILT MOTOR

Check the following.

- Operation malfunction caused by tilt motor deformation or pinched harness or other foreign materials
- Operation malfunction and interference with other parts by poor installation

OK or NG

OK >> GO TO 2.

NG >> Repair the malfunctioning part and check again.

2. CHECK FUNCTION

(P) With CONSULT-II

Check operation with "TILT MOTOR" in ACTIVE TEST.

Test item	Description
TILT MOTOR	The tilt motor is activated by receiving the drive signal.

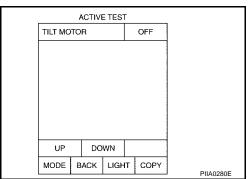
⋈ Without CONSULT-II

GO TO 3.

OK or NG

OK >> Steering wheel tilt motor circuit is OK.

NG >> GO TO 3.



3. CHECK TILT MOTOR HARNESS CONTINUITY

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic drive positioner control unit and tilt motor.
- 3. Check continuity between automatic drive positioner control unit connector M42 terminals 35, 42 and tilt motor connector M68 terminals 4, 5.

35 - 5 : Continuity should exist. 42 - 4 : Continuity should exist.

Check continuity between automatic drive positioner control unit connector M42 terminals 35, 42 and ground.

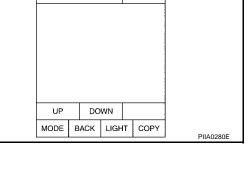
35 - Ground 42 - Ground

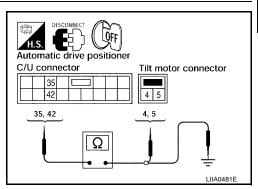
: Continuity should not exist. : Continuity should not exist.

OK or NG

OK >> GO TO 4.

NG >> Repair or replace harness.





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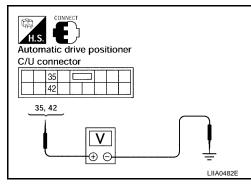
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4. CHECK AUTOMATIC DRIVE POSITIONER CONTROL UNIT OUTPUT SIGNAL

- 1. Connect the automatic drive positioner control unit and tilt motor.
- 2. Check voltage between automatic drive positioner control unit connector and ground.

Connector	Terminals		Condition	Voltage (V)
Connector	(+)	(-)	Condition	(Approx.)
M42	35	Ground	Tilt switch ON (UP operation)	Battery voltage
			Other than above	0
			Tilt switch ON (DOWN operation)	Battery voltage
			Other than above	0



OK or NG

OK >> Replace tilt motor.

NG >> Replace automatic drive positioner control unit.

SLIDING SENSOR CIRCUIT INSPECTION

1. CHECK FUNCTION

(II) With CONSULT-II

Check operation with "SLIDE PULSE" on the DATA MONITOR to make sure the pulse changes.

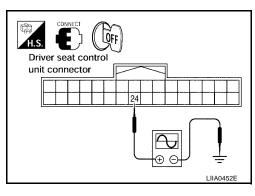
Monitor item [OPERATION or UNIT]		Contents
SLIDE PULSE	_	The seat sliding position (pulse) judged from the sliding sensor signal is displayed

DATA MONITOR SELECT MONITOR ITEM
SELECT MONITOR ITEM
OLLEGI MONTOTTILM
SLIDE PULSE
RECLN PULSE
LIFT FR PULSE
LIFT RR PULSE
MIR/SEN RH U-D
Page Up Page Down
SETTING Numerical Display
MODE BACK LIGHT COPY
PIIA4538E

W Without CONSULT-II

- 1. Turn ignition switch OFF.
- 2. Check signal between driver seat control unit connector and ground, with oscilloscope.

Connector	Term	Terminals		Signal
Connector	(+)	(-)	Condition	Signal
P2	24	Ground	Sliding motor operation	(V) 6 4 2 0 50 ms



OK or NG

OK >> Sliding sensor circuit is OK.

NG >> GO TO 2.

2. CHECK SLIDING SENSOR HARNESS CONTINUITY

- 1. Disconnect driver seat control unit and sliding motor.
- 2. Check continuity between driver seat control unit connector P2 terminal 24 and sliding motor P4 terminal 3.

24 - 3

: Continuity should exist.

Check continuity between driver seat control unit P2 terminal 24 and ground.

24 - Ground

: Continuity should not exist.

OK or NG

OK >> Replace sliding motor. Refer to <u>SE-100, "FRONT SEAT"</u>

NG >> Repair or replace harness.

Driver seat control unit connector connector

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RECLINING SENSOR CIRCUIT INSPECTION

1. CHECK FUNCTION

(II) With CONSULT-II

Check operation with "RECLN PULSE" on the DATA MONITOR to make sure the pulse changes.

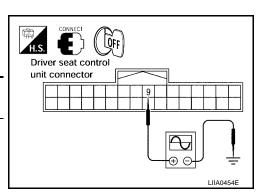
Monitor item [OPER	RATION or UNIT]	Contents
RECLN PULSE	_	The seat reclining position (pulse) judged from the reclining sensor is displayed

DATA M	ONITOR
SELECT MO	NITOR ITEM
SLIDE	PULSE
RECLN	PULSE
LIFT FR	PULSE
LIFT RR	PULSE
MIR/SEN	I RH U-D
Page Up Page	Down
SETTING Num.	erical play
MODE BACK	LIGHT COPY

⋈ Without CONSULT-II

- 1. Turn ignition switch OFF.
- 2. Check signal between driver seat control unit connector and ground, with oscilloscope.

Connector	Term	inals	Condition	Signal
Connector	(+)	(-)	Condition	Signal
P2	9	Ground	Reclining motor operation	(V) 12 10 8 6



OK or NG

OK >> Reclining sensor circuit is OK.

NG >> GO TO 2.

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2. CHECK RECLINING SENSOR HARNESS CONTINUITY

- 1. Disconnect driver seat control unit and reclining motor.
- 2. Check continuity between driver seat control unit connector P2 terminal 9 and reclining motor connector P5 terminal 7.

9 - 7 : Continuity should exist.

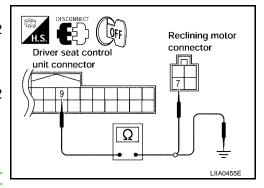
Check continuity between driver seat control unit connector P2 terminals 9 and ground.

9 - Ground : Continuity should not exist.

OK or NG

OK >> Replace reclining motor. Refer to <u>SE-100, "FRONT</u> SEAT".

NG >> Repair or replace harness.



FRONT LIFTING SENSOR CIRCUIT INSPECTION

1. CHECK FUNCTION

(P) With CONSULT-II

Check operation with "LIFT FR PULSE" on the DATA MONITOR to make sure the pulse changes.

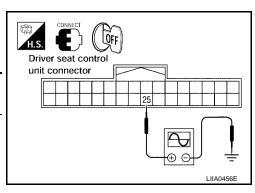
Monitor item [OPER	ATION or UNIT]	Contents
LIFT FR PULSE	_	The front lifting position (pulse) judged from the front lifting sensor is displayed

DATA MONITOR
SELECT MONITOR ITEM
SLIDE PULSE
RECLN PULSE
LIFT FR PULSE
LIFT RR PULSE
MIR/SEN RH U-D
Page Up Page Down
SETTING Numerical Display
MODE BACK LIGHT COPY
PIIA4558E

Without CONSULT-II

- 1. Turn ignition switch OFF.
- 2. Check signal between driver seat control unit connector and ground, with oscilloscope.

Connector	Term	inals	Condition	Signal
Connector	(+)	(-)	Condition	Signal
P2	25	Ground	Front lifter motor operation	(V) 6 4 2 0 50 ms



OK or NG

OK >> Front lifting sensor is OK.

NG >> GO TO 2.

2. CHECK FRONT LIFTING SENSOR HARNESS CONTINUITY

- Disconnect driver seat control unit and front lifter motor.
- 2. Check continuity between driver seat control unit connector P2 terminal 25 and front lifter motor connector P6 terminal 10.

25 - 10

: Continuity should exist.

Check continuity between driver seat control unit connector P2 terminals 25 and ground.

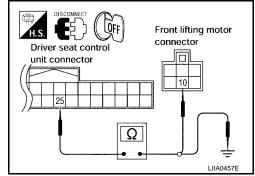
25 - Ground

: Continuity should not exist.

OK or NG

OK >> Replace front lifting motor. Refer to <u>SE-100, "FRONT</u> SEAT"

NG >> Repair or replace harness.



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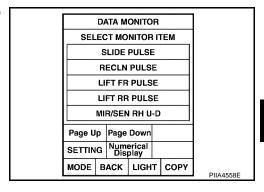
REAR LIFTING SENSOR CIRCUIT INSPECTION

1. CHECK REAR LIFTING SENSOR INPUT/OUTPUT SIGNAL

(P) With CONSULT-II

Check operation with "LIFT RR PULSE" on the DATA MONITOR to make sure pulse changes.

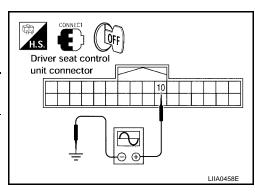
Monitor item [OPER	RATION or UNIT	
LIFT RR PULSE	_	The rear lifting position (pulse) judged from the rear lifting sensor is displayed.



⋈ Without CONSULT-II

- 1. Turn ignition switch OFF.
- 2. Check signal between driver seat control unit connector and ground, with oscilloscope.

Connector	Term	inals	Condition	Signal
Connector	(+)	(-)	Condition	Signal
P2	10	Ground	Rear lift- ing motor operation	(V) 6 4 2 0 50 ms



OK or NG

OK >> Rear lifting sensor circuit is OK.

NG >> GO TO 2.

Revision: October 2006 SE-55 2006 Maxima

2. CHECK REAR LIFTING SENSOR HARNESS CONTINUITY

- Disconnect driver seat control unit connector and rear lifter motor connector.
- 2. Check continuity between driver seat control unit connector P2 terminal 10 and rear lifter motor connector P7 terminal 10.

10 - 13

: Continuity should exist.

3. Check continuity between driver seat control unit connector P2 terminals 10 and ground.

10 - Ground

: Continuity should not exist.

OK or NG

OK >> Replace rear lifter motor. Refer to <u>SE-100, "FRONT SEAT"</u>.

NG >> Repair or replace harness.

MIRROR SENSOR LH CIRCUIT INSPECTION

1. CHECK MIRROR SENSOR LH INPUT/OUTPUT SIGNAL

(II) With CONSULT-II

Check operation with "MIR/SEN LH R-L, MIR/SEN LH U-D" on the DATA MONITOR to make sure pulse changes.

Monitor item [OPERATION or UNIT		
MIR/SEN LH R-L	"V"	Voltage output from LH door mirror sensor (LH/RH) is displayed.
MIR/SEN LH U-D	"V"	Voltage output from LH door mirror sensor (UP/DOWN) is displaced.

DATA MONITOR	
SELECT MONITOR ITEM	
MIR/SEN RH U-D	
MIR/SEN RH R-L	
MIR/SEN LH U-D	
MIR/SEN LH R-L	
PEDAL SEN	
Page Up Page Down	
SETTING Numerical Display	
MODE BACK LIGHT COPY	PIIA4568E
	F IIA4300L

Rear lifting motor

LIIA0459E

connector

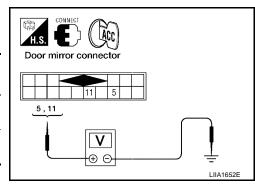
Driver seat control

unit connector

W Without CONSULT-II

- 1. Turn ignition switch to ACC.
- 2. Check voltage between door mirror LH connector and ground.

Connector	Term		Condition	Voltage (V)
	(+)	(-)	Condition	(Approx.)
D4	5	- Ground -	When motor is UP or DOWN operation	Changes between 3.5 - 0.5
	11		When motor is LEFT or RIGHT operation	Changes between 3.5 - 0.5



OK or NG

OK >> Mirror sensor LH circuit is OK.

NG >> GO TO 2.

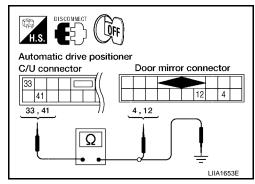
2. CHECK HARNESS CONTINUITY 1

- 1. Turn ignition switch OFF.
- Disconnect automatic drive positioner control unit and door mirror LH.
- 3. Check continuity between automatic drive positioner control unit connector M42 terminals 33, 41 and door mirror LH connector D4 terminals 4, 12.

33 - 4 : Continuity should exist.41 - 12 : Continuity should exist.

4. Check continuity between driver seat control unit connector M42 terminals 33, 41 and ground.

33 - Ground : Continuity should not exist. 41 - Ground : Continuity should not exist.



OK or NG

OK >> GO TO 3.

NG >> Repair or replace harness.

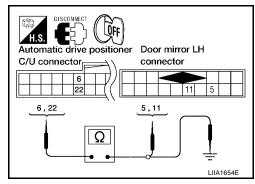
3. CHECK HARNESS CONTINUITY 2

 Check continuity between automatic drive positioner control unit connector M41 terminals 6, 22 and door mirror LH connector D4 terminals 5, 11.

> 6 - 5 : Continuity should exist. 22 - 11 : Continuity should exist.

2. Check continuity between driver seat control unit connector M41 terminals 6, 22 and ground.

6 - Ground : Continuity should not exist. 22 - Ground : Continuity should not exist.



OK or NG

OK >> Replace door mirror LH. Refer to <u>GW-121, "Door Mirror Assembly"</u>.

NG >> Repair or replace harness.

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MIRROR SENSOR RH CIRCUIT INSPECTION

1. CHECK MIRROR SENSOR RH INPUT/OUTPUT SIGNAL

(P) With CONSULT-II

Check operation with "MIR/SEN RH R-L, MIR/SEN RH U-D" on the DATA MONITOR to make sure pulse changes.

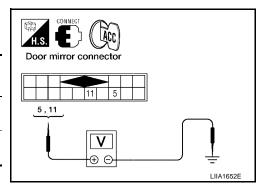
Monitor item [OPER	RATION or UNIT	
MIR/SEN RH R-L	"V"	Voltage output from RH door mirror sensor (RH/RH) is displayed.
MIR/SEN RH U-D	"V"	Voltage output from RH door mirror sensor (UP/DOWN) is displaced.

DATA MONITOR	
SELECT MONITOR ITEM	
MIR/SEN RH U-D	
MIR/SEN RH R-L	
MIR/SEN LH U-D	
MIR/SEN LH R-L	
PEDAL SEN	
Page Up Page Down	
SETTING Numerical Display	
MODE BACK LIGHT COPY	PIIA4568E
	FIIA4000E

Without CONSULT-II

- 1. Turn ignition switch to ACC.
- 2. Check voltage between door mirror RH connector and ground.

Connector	Connector		Condition	Voltage (V)
	(+)	(-)	Condition	(Approx.)
D107	D107 5 Ground	Ground	When motor is UP or DOWN operation	Changes between 3.5 - 0.5
		When motor is LEFT or RIGHT operation	Changes between 3.5 - 0.5	



OK or NG

OK >> Mirror sensor RH circuit is OK.

NG >> GO TO 2.

2. CHECK HARNESS CONTINUITY 1

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic drive positioner control unit and door mirror RH.
- Check continuity between automatic drive positioner control unit connector M42 terminals 33, 41 and door mirror RH connector D107 terminals 4, 12.

33 - 4 : Continuity should exist.41 - 12 : Continuity should exist.

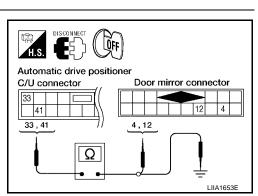
 Check continuity between driver seat control unit connector M42 terminals 33, 41 and ground.

33 - Ground: Continuity should not exist.41 - Ground: Continuity should not exist.

OK or NG

OK >> GO TO 3.

NG >> Repair or replace harness.



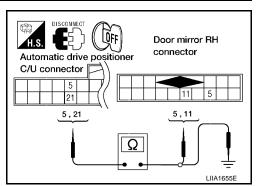
3. CHECK HARNESS CONTINUITY 2

Check continuity between automatic drive positioner control unit connector M41 terminals 5, 21 and door mirror RH connector D107 terminals 5, 11.

> 5 - 5 : Continuity should exist. 21 - 11 : Continuity should exist.

Check continuity between driver seat control unit connector M41 terminals 5, 21 and ground.

> 5 - Ground : Continuity should not exist. 21 - Ground : Continuity should not exist.



OK or NG

OK >> Replace door mirror RH. Refer to GW-121, "Door Mirror Assembly".

NG >> Repair or replace harness.

A/T DEVICE (PARK POSITION SWITCH) CIRCUIT INSPECTION (A/T MODEL ONLY)

1. CHECK FUNCTION

(P) With CONSULT-II

Check that when the A/T selector lever is in P position, "DETENT SW" on the DATA MONITOR becomes OFF.

Monitor item [OPERATION or UNIT]		Contents
DETENT SW	"ON/OFF"	The A/T selector lever position "P position (OFF)/other than P position (ON)" judged from the park position switch signal is displayed.

⋈ Without CONSULT-II

GO TO 2.

OK or NG

OK >> A/T device (park position switch) circuit is OK.

NG >> GO TO 2.

2. Check a/t device (park position switch) harness

- Turn ignition switch OFF.
- 2. Disconnect A/T device (park position switch) and key switch and key lock solenoid.
- Check continuity between A/T device (park position switch) connector M34 terminal 5 and key switch and key lock solenoid connector M27 terminal 4.

: Continuity should exist.

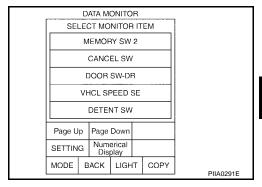
Check continuity between A/T device (park position switch) connector M34 terminal 5 and ground.

> 5 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 3.

NG >> Repair or replace harness.



Key switch and key lock solenoid connector A/T device connector LIIA1656E Α

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3. CHECK A/T DEVICE (PARK POSITION SWITCH)

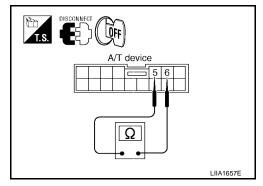
Check continuity between A/T device terminals as follows.

Term	inals	Condition	Continuity
5	6	P position	No
5	Ь	Other than P position	Yes

OK or NG

OK >> GO TO 4.

NG >> Replace A/T device.



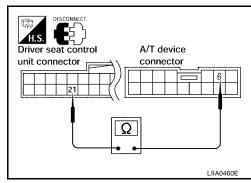
4. CHECK A/T DEVICE (PARK POSITION SWITCH) SIGNAL HARNESS

- Disconnect driver seat control unit.
- Check continuity between driver seat control unit connector P2 terminal 21 and A/T device (park position switch) connector M34 terminal 6.

21 - 6 : Continuity should exist.

Check continuity between driver seat control unit connector P2 terminal 21 and ground.

21 - Ground : Continuity should not exist.



OK or NG

OK >> Replace driver seat control unit. Refer to <u>SE-100, "FRONT SEAT"</u>.

NG >> Repair or replace harness.

PARKING BRAKE SWITCH CIRCUIT INSPECTION (M/T MODEL ONLY)

1. CHECK FUNCTION

(P) With CONSULT-II

Check that when the parking brake is released, "PARKING BRAKE" on the DATA MONITOR becomes OFF.

Monito [OPERATIC		Contents
PARKING BRAKE	"ON/OFF"	The parking brake is "released (OFF)/parking brake is engaged (ON)" judged from the parking brake switch signal is displayed.

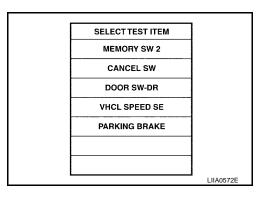
⊗ Without CONSULT-II

ĞO TO 2.

OK or NG

OK >> Parking brake switch circuit is OK.

NG >> GO TO 2.



2. CHECK PARKING BRAKE SWITCH HARNESS

- 1. Turn ignition switch OFF.
- 2. Disconnect parking brake switch and drive seat control unit.
- Check continuity between parking brake switch connector M36

 (B) terminal 1 and driver seat control unit connector P2 (A) terminal 8.

1 - 8

: Continuity should exist.

OK or NG

OK >> GO TO 3.

NG >> Repair or replace harness.

A B LIIA2333E

3. CHECK PARKING BRAKE SWITCH

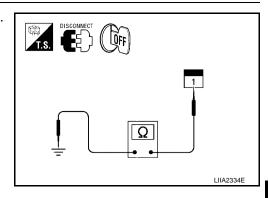
Check continuity between parking brake switch terminals as follows.

Term	inals	Condition	Continuity
1	Ground	Parking brake released	No
'		Parking brake engaged	Yes

OK or NG

OK >> Check the condition of the harness and connector.

NG >> Replace parking brake switch.



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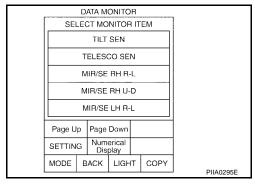
TELESCOPIC SENSOR CIRCUIT INSPECTION

1. CHECK FUNCTION

(P) With CONSULT-II

Operate the ADP steering switch with "TELESCO SEN" on the DATA MONITOR to make sure the voltage changes.

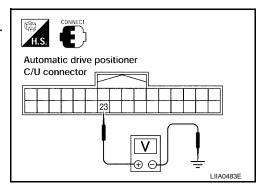
Monitor item [0 TION or U		Contents
TELESCO SEN	"V"	The telescopic position (voltage) judged from the telescopic sensor signal is displayed.



Without CONSULT-II

- 1. Turn ignition switch OFF.
- Check voltage between automatic drive positioner connector and ground.

Connector	Term		Condition	Voltage (V)
Connector	(+)	(-)	Containon	(Approx.)
M41	23	Crowned	Telescopic front end position	2
IVI4 I		23 Ground	Telescopic back end position	4



OK or NG

OK >> Telescopic sensor circuit is OK.

NG >> GO TO 2.

2. CHECK HARNESS CONTINUITY

- 1. Disconnect automatic drive positioner control unit and steeing wheel telescopic sensor.
- Check continuity between automatic drive positioner connector M41, M42 terminals 23, 33, 41 and telescopic sensor connector M67 terminals 1, 2, 3.

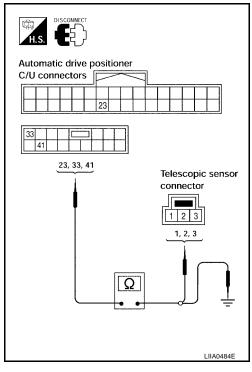
23 - 2 : Continuity should exist.
33 - 1 : Continuity should exist.
41 - 3 : Continuity should exist.

Check continuity between automatic drive positioner control unit connectors M41, M42 terminals 23, 33, 41 and ground.

23 - Ground : Continuity should not exist.
33 - Ground : Continuity should not exist.
41 - Ground : Continuity should not exist.

OK or NG

OK >> Replace telescopic motor. NG >> Repair or replace harness.



TILT SENSOR CIRCUIT INSPECTION

1. CHECK FUNCTION

(II) With CONSULT-II

Operate the ADP steering switch with "TILT SEN" on the DATA MONITOR to make sure the voltage changes.

Monitor item TION or	•	Contents
TILT SEN	"V"	The tilt position (voltage) judged from the tilt sensor signal is displayed.

	DATA M	ONITO	R		
SELECT MONITOR ITEM				EM	
TILT SEN					
	TELES	CO SE	N		
	MIR/SE	RH R-	L.		
	MIR/SE RH U-D				
	MIR/SE	LH R-	L		
Page Up	Page	Down			
SETTING Numerical Display					
MODE	BACK	LIGH	Т	COPY	PIIA0295E
					- FIIAUZ93E

W Without CONSULT-II

- 1. Turn ignition switch OFF.
- 2. Check voltage between automatic drive positioner connector and ground.

Connector	Term	inals	Condition	Voltage (V)
Connector	(+)	(-)	Condition	(Approx.)
M41	7	Ground	Tilt top position	2
IVI 4 I	,	Ground	Tilt down position	4

OK or NG

OK >> Tilt sensor circuit is OK.

NG >> GO TO 2.

2. CHECK HARNESS CONTINUITY

- 1. Disconnect automatic drive positioner control unit and tilt sensor.
- Check continuity between automatic drive positioner connector M41, M42 terminals 7, 33, 41 and tilt sensor connector M69 terminals 1, 2, 3.

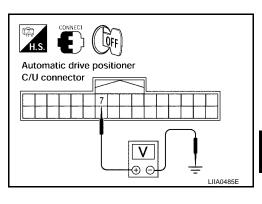
7 - 2 : Continuity should exist.
33 - 3 : Continuity should exist.
41 - 1 : Continuity should exist.

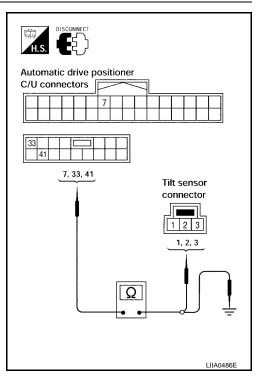
- 3. Check continuity between automatic drive positioner control unit connectors M41, M42 terminals 7, 33, 41 and ground.
 - 7 Ground : Continuity should not exist.
 33 Ground : Continuity should not exist.
 41 Ground : Continuity should not exist.

OK or NG

OK >> Replace tilt motor.

NG >> Repair or replace harness.





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KEY SWITCH AND KEY LOCK SOLENOID CIRCUIT INSPECTION

1. CHECK KEY SWITCH AND KEY LOCK SOLENOID

(II) With CONSULT-II

With "IGN KEY SW" on the DATA MONITOR, Check ON/OFF operation.

Monitor item [OPERA- TION or UNIT]		Contents
IGN KEY SW	"ON/ OFF"	Key inserted (ON)/key removed (OFF) status judged from the key-in detection switch is displayed.

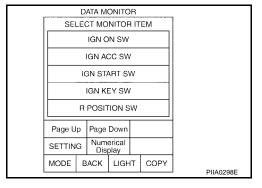
Without CONSULT-II

GO TO 2.

OK or NG

OK >> Key switch and key lock solenoid circuit is OK.

NG >> GO TO 2.



2. KEY SWITCH AND KEY LOCK SOLENOID POWER SUPPLY CIRCUIT INSPECTION

- 1. Turn ignition switch OFF.
- 2. Disconnect key switch and key lock solenoid.
- Check voltage between key switch and key lock solenoid connector M27 terminal 3 and ground.

3 - Ground

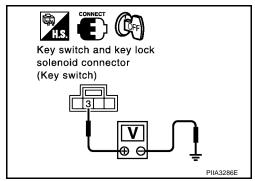
: Battery voltage.

OK or NG

OK >> GO TO 3.

NG >> Check ha

>> Check harness between key switch and key lock solenoid and fuse.



3. CHECK KEY SWITCH AND KEY LOCK SOLENOID

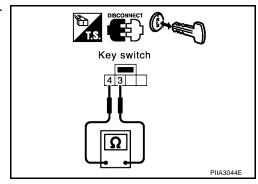
Check continuity between key switch and key lock solenoid terminals as follows.

Terminals Condition		Condition	Continuity
2	3 4	Key is inserted in ignition key cylinder.	Yes
		Key is removed from ignition key cylinder.	No

OK or NG

OK >> GO TO 4.

NG >> Replace key switch and key lock solenoid.



4. CHECK HARNESS CONTINUITY

- 1. Disconnect key switch and key lock solenoid and BCM.
- 2. Check continuity between key switch and key lock solenoid connector M27 terminal 4 and BCM connector M18 terminal 37.

4 - 37

: Continuity should exist.

3. Check continuity between key switch and key lock solenoid connector M27 terminal 4 and ground.

4 - Ground

: Continuity should not exist.

OK or NG

OK >> Key switch and key lock solenoid circuit is OK.

NG >> Repair or replace harness.

FRONT DOOR SWITCH LH CIRCUIT INSPECTION

1. CHECK DOOR SWITCH INPUT SIGNAL

With CONSULT-II

Check door switch ("DOOR SW-DR") in "DATA MONITOR" mode with CONSULT-II.

Monitor item	Condition	
DOOR SW-DR	OPEN: ON	
	CLOSE: OFF	

DATA MONI	TOR	
MONITOR		
DOOR SW - DR	OFF	
DOOR SW - AS	OFF	
		PIIA2464E

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Key switch and key lock solenoid connector

(Key switch)

BCM connector

Without CONSULT-II

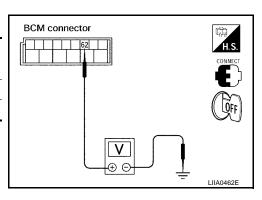
Check voltage between BCM connector and ground.

Item	Connector	Term	inals	Condition	Voltage (V)
item	Connector	(+)	(-)		(Approx.)
Front LH	M20	62	Ground	OPEN	0
T TOTAL LIT	IVIZO	02	Giodila	CLOSE	Battery voltage

OK or NG

OK >> Front door switch LH is OK.

NG >> GO TO 2.



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2. CHECK FRONT DOOR SWITCH LH CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect front door switch LH and BCM.
- Check continuity between front door switch LH connector B8 terminal 2 and BCM connector M18 terminal 62.

2 - 62 : Continuity should exist.

4. Check continuity between door switch LH connector B8 terminal 2 and ground.

2 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 3.

NG >> Repair or replace harness.

3. CHECK FRONT DOOR SWITCH LH

Check continuity between front door switch LH terminal 2 and body ground part of door switch.

Terr	minal	Door switch	Continuity
2	Body ground part	Pushed	No
2	of door switch	Released	Yes

OK or NG

OK >> Further inspection is necessary. Refer to symptom chart.

NG >> Replace front door switch LH.

Door switch DISCONNECT OFF LIIA0948E

SEAT MEMORY SWITCH CIRCUIT INSPECTION

1. CHECK FUNCTION

(II) With CONSULT-II

With "SET SW, MEMORY SW1, MEMORY SW2", "SET SW" on the DATA MONITOR, operate the switch to check ON/OFF operation.

Monitor item [OPERATION or UNIT]		Contents
MEMORY SW1	"ON/ OFF"	ON/OFF status judged from the seat memory switch 1 signal is displayed.
MEMORY SW2 "ON/ OFF"		ON/OFF status judged from the seat memory switch 2 signal is displayed.
SET SW	"ON/ OFF"	ON/OFF status judged from the setting switch signal is displayed.

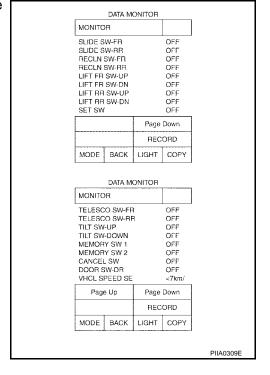
Without CONSULT-II

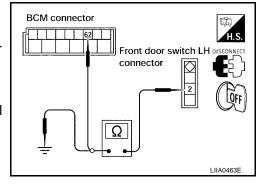
GO TO 2.

OK or NG

OK >> Seat memory switch circuit is OK.

NG >> GO TO 2.

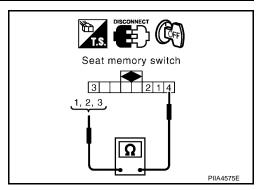




2. CHECK SEAT MEMORY SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect seat memory switch.
- 3. Operate the setting switch and memory switch.
- Check continuity between seat memory switch terminals as follows.

Tern	ninal	Condition	Continuity	
(+)	(-)	Condition	Continuity	
3		Set switch: ON	Yes	
3		Set switch: OFF	No	
2	4	Memory switch 1 ON	Yes	
2		Memory switch 1: OFF	No	
1		Memory switch 2: ON	Yes	
'			Memory switch 2: OFF	No



OK or NG

OK >> GO TO 3.

NG >> Replace seat memory switch.

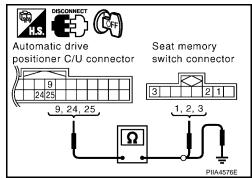
3. CHECK HARNESS CONTINUITY

- 1. Disconnect automatic drive positioner control unit.
- 2. Check continuity between automatic drive positioner control unit connector M41 terminals 9, 24, 25 and seat memory switch connector D5 terminals 1, 2, 3.

9 - 1 : Continuity should exist.
24 - 3 : Continuity should exist.
25 - 2 : Continuity should exist.

3. Check continuity between automatic drive positioner control unit connector M41 terminals 9, 24, 25 and ground.

9 - Ground : Continuity should not exist.
24 - Ground : Continuity should not exist.
25 - Ground : Continuity should not exist.



OK or NG

OK >> GO TO 4.

NG >> Repair or replace harness.

4. CHECK SEAT MEMORY SWITCH GROUND CIRCUIT

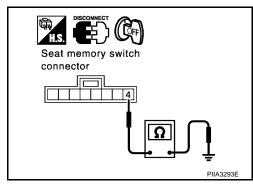
Check continuity between seat memory switch D5 terminal 4 and ground.

4 - Ground : Continuity should exist.

OK or NG

OK >> Replace automatic drive positioner control unit.

NG >> Repair or replace harness.



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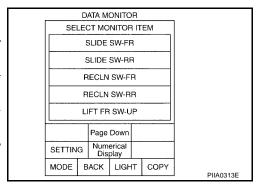
SLIDING SWITCH CIRCUIT INSPECTION

1. CHECK FUNCTION

(P)With CONSULT-II

With "SLIDE SW-FR, SLIDE SW-RR" on the DATA MONITOR, operate the sliding switch to check ON/OFF operation.

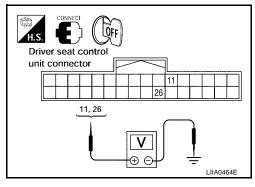
Monitor item [OPERATION or UNIT]		Contents
SLIDE SW-FR "ON/ OFF"		ON / OFF status judged from the sliding switch (FR) signal is displayed.
SLIDE SW-RR	"ON/ OFF"	ON / OFF status judged from the sliding switch (RR) signal is displayed.



Without CONSULT-II

- 1. Turn ignition switch OFF.
- Check voltage between driver seat control unit connector and ground.

Connector	Terminal		Condition	Voltage (V)
	(+)	(-)	Condition	(Approx.)
P2 -	11		Sliding switch ON (BACKWARD operation)	0
		C ** 0	Other than above	Battery voltage
	26	Ground	Sliding switch ON (FORWARD operation)	0
			Other than above	Battery voltage



OK or NG

OK >> Sliding switch circuit is OK.

NG >> GO TO 2.

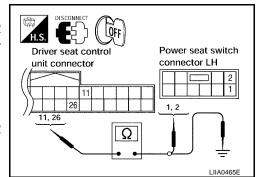
2. CHECK POWER SEAT SWITCH LH HARNESS CONTINUITY

- 1. Disconnect driver seat control unit and power seat switch LH.
- Check continuity between driver seat control unit connector P2 terminals 11, 26 and power seat switch LH connector P8 terminals 1, 2.

11 - 2 : Continuity should exist.26 - 1 : Continuity should exist.

3. Check continuity between driver seat control unit connector P2 terminals 11, 26 and ground.

11 - Ground : Continuity should not exist.26 - Ground : Continuity should not exist.



OK or NG

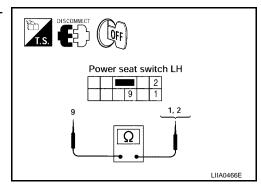
OK >> GO TO 3.

NG >> Repair or replace harness.

3. CHECK SLIDING SWITCH

Check continuity between power seat switch LH terminals as follows.

Terminal		Condition	Continuity
1		Sliding switch ON (FORWARD operation)	Yes
'	9	Other than above	No
2		Sliding switch ON (BACKWARD operation)	Yes
2		Other than above	No



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OK or NG

OK >> Check the condition of the harness and connector.

NG >> Replace power seat switch LH. Refer to <u>SE-100, "FRONT SEAT"</u>.

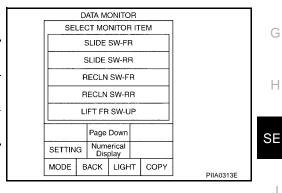
RECLINING SWITCH INSPECTION

1. CHECK FUNCTION

(II) With CONSULT-II

With "RECLN SW-FR, RECLN SW-RR" on the DATA MONITOR, operate the reclining switch to check ON/OFF operation.

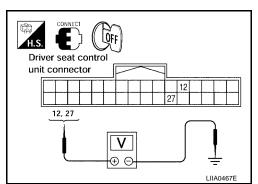
Monitor item [OF UNIT		Contents
RECLN SW-FR	"ON/OFF"	ON/OFF status judged from the reclining switch (FR) signal is displayed.
RECLN SW-RR	"ON/OFF"	ON/OFF status judged from the reclining switch (RR) signal is displayed.



⋈ Without CONSULT-II

- Turn ignition switch OFF.
- 2. Check voltage between driver seat control unit connector and ground.

Connector	Terminal		Condition	Voltage (V)
Commodici	(+)	(-)	Corrainorr	(Approx.)
P2	12	- Ground -	Reclining switch ON (BACKWARD operation)	0
			Other than above	Battery voltage
	27		Reclining switch ON (FORWARD operation)	0
			Other than above	Battery voltage



OK or NG

OK >> Reclining switch circuit is OK.

NG >> GO TO 2.

2. CHECK HARNESS CONTINUITY

- 1. Disconnect driver seat control unit and power seat switch LH.
- 2. Check continuity between driver seat control unit connector P2 terminals 12, 27 and power seat switch LH connector P8 terminals 3, 4.

12 - 4 : Continuity should exist.27 - 3 : Continuity should exist.

 Check continuity between driver seat control unit connector P2 terminals 12, 27 and ground.

12 - Ground : Continuity should not exist.27 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 3.

NG >> Repair or replace harness.

3. RECLINING SWITCH INSPECTION

Check continuity between power seat switch LH terminals as follows.

Terminal		Condition	Continuity
4		Reclining switch ON (BACKWARD operation)	Yes
4	9	Other than above	No
3	9	Reclining switch ON (FORWARD operation)	Yes
3		Other than above	No

Driver seat control

unit connector

Power seat switch

LIIA0468E

connector LH

3 | 4 |

3, 4

OK or NG

OK >> Check the condition of the harness and connector.

NG >> Replace power seat switch LH. Refer to <u>SE-100, "FRONT SEAT"</u>.

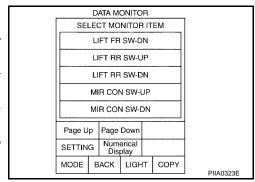
FRONT LIFTING SWITCH CIRCUIT INSPECTION

1. CHECK FUNCTION

(II) With CONSULT-II

With "LIFT FR SW-UP, LIFT FR SW-DN" on the DATA MONITOR, operate the front lifting switch to check ON/OFF operation.

Monitor item [OP UNIT		Contents
LIFT FR SW-DN	"ON/OFF"	ON / OFF status judged from the FR lifting switch (DOWN) signal is displayed.
LIFT RR SW-UP	"ON/OFF"	ON / OFF status judged from the RR lifting switch (UP) signal is displayed.



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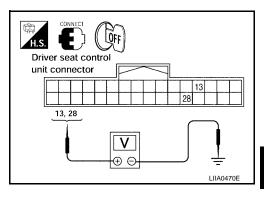
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⋈ Without CONSULT-II

- 1. Turn ignition switch OFF.
- Check voltage between driver seat control unit P2 and ground.

Connector	Terminals		Condition	Voltage (V)
	(+)	(-)	Condition	(Approx.)
P2	13	Ground	Front lifting switch ON (DOWN operation)	0
			Other than above	Battery voltage
	28		Front lifting switch ON (UP operation)	0
			Other than above	Battery voltage



OK or NG

OK >> Front lifting switch circuit is OK.

NG >> GO TO 2.

2. CHECK POWER SEAT SWITCH HARNESS CONTINUITY

- Disconnect driver seat control unit and power seat switch LH.
- 2. Check continuity between driver seat control unit connector P2 terminals 13, 28 and power seat switch LH connector P8 terminals 5, 6.

13 - 6 : Continuity should exist.28 - 5 : Continuity should exist.

 Check continuity between driver seat control unit connector P2 terminals 13, 28 and ground

13 - Ground : Continuity should not exist.28 - Ground : Continuity should not exist.

Driver seat control unit connector LH 13, 28 LIIA0471E

OK or NG

OK >> GO TO 3.

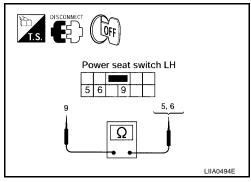
NG >> Repair or replace harness.

Revision: October 2006 SE-71 2006 Maxima

3. CHECK FRONT LIFTING SWITCH

Check continuity between power seat switch LH terminals as follows.

Terminals		Condition	Continuity
5		Front lifting switch ON (UP operation)	Yes
	9	Other than above	No
6		Front lifting switch ON (DOWN operation)	Yes
		Other than above	No



OK or NG

OK >> Check the condition of the harness and connector.

NG >> Replace power seat switch LH. Refer to <u>SE-100, "FRONT SEAT"</u>.

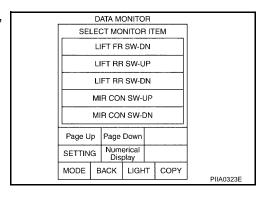
REAR LIFTING SWITCH CIRCUIT INSPECTION

1. CHECK FUNCTION

(II) With CONSULT-II

With "LIFT RR SW-UP, LIFT RR SW-DN" on the DATA MONITOR, operate the rear lifting switch to check ON/OFF operation.

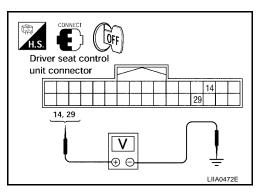
Monitor item [OP UNIT		Contents
LIFT RR SW-UP	"ON/OFF"	Operation (ON)/open (OFF) status judged from the RR lifting switch (UP) signal is displayed.
LIFT RR SW-DN	"ON/OFF"	Operation (ON)/open (OFF) status judged from the RR lifting switch (DOWN) signal is displayed.



W Without CONSULT-II

- 1. Turn ignition switch OFF.
- 2. Check voltage between driver seat control unit connector and ground.

Connector	Terminals		Condition	Voltage (V)
	(+)	(-)	Containon	(Approx.)
P2	14	Ground	Rear lifting switch ON (DOWN operation)	0
			Other than above	Battery voltage
			Rear lifting switch ON (UP operation)	0
			Other than above	Battery voltage



OK or NG

OK >> Rear seat lifting switch circuit is OK.

NG >> GO TO 2.

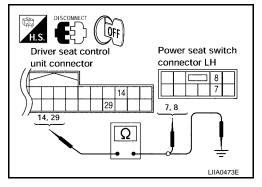
2. CHECK POWER SEAT SWITCH HARNESS CONTINUITY

- 1. Disconnect driver seat control unit and power seat switch LH.
- 2. Check continuity between driver seat control unit connector P2 terminals 14, 29 and power seat switch LH connector P8 terminals 7, 8.

14 - 8 : Continuity should exist. 29 - 7 : Continuity should exist.

Check continuity between driver seat control unit connector P2 terminals 14, 29 and ground.

> 14 - Ground : Continuity should not exist. 29 - Ground : Continuity should not exist.



OK or NG

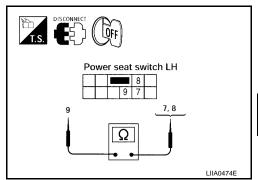
OK >> GO TO 3.

NG >> Repair or replace harness.

3. CHECK REAR LIFTING SWITCH

Check continuity between power seat switch LH terminals as follows.

Term	inals	Condition Conti	
8		Rear lifting switch ON (DOWN operation)	
O	9	Other than above	No
7	9	Rear lifting switch ON (UP operation)	Yes
,		Other than above	No



OK or NG

OK >> Check the condition of the harness and connector.

NG >> Replace power seat switch LH. Refer to <u>SE-100, "FRONT SEAT"</u>.

POWER SEAT SWITCH LH GROUND INSPECTION

1. CHECK POWER SEAT SWITCH LH GROUND CIRCUIT

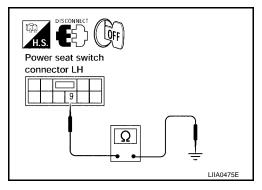
- 1. Turn ignition switch OFF.
- 2. Disconnect power seat switch LH.
- Check continuity between power seat switch LH connector P8 terminal 9 and ground.

9 - Ground : Continuity should exist.

OK or NG

OK >> Check the condition of the harness and connector.

NG >> Repair or replace harness.



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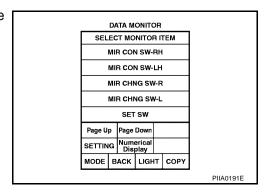
DOOR MIRROR REMOTE CONTROL SWITCH (CHANGEOVER SWITCH) CIRCUIT CHECK

1. CHECK FUNCTION

(P) With CONSULT-II

Check operation with "MIR CHNG SW-R, MIR CHNG SW-L" on the DATA MONITOR to make sure pulse changes.

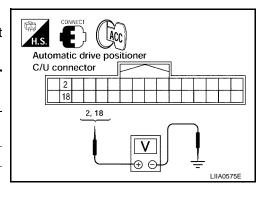
Monitor item [OPE UNIT]	RATION or	Contents
"MIR CHNG SW-R "ON/OFF"		ON/OFF status judged from the door mirror remote control switch (switching to RIGHT) signal is displayed.
MIR CHNG SW-L	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (switching to LEFT) signal is displayed.



Without CONSULT-II

- Turn ignition switch to ACC.
- 2. Check voltage between automatic drive positioner control unit connector and ground.

	(+) (-)			\/oltogo /\/\
Connector			Condition	Voltage (V) (Approx.)
	Changeover switch RIGHT position	2		0
M41		Ground	Other than above	5
	18		Changeover switch LEFT position	0
			Other than above	5



OK or NG

OK >> Door mirror remote control switch (changeover switch) circuit is OK.

NG >> GO TO 2.

2. CHECK DOOR MIRROR REMOTE CONTROL SWITCH CIRCUIT HARNESS CONTINUITY

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic drive positioner control unit and door mirror remote control switch.
- 3. Check continuity between automatic drive positioner control unit connector M41 terminals 2, 18 and door mirror remote control swich connector M7 terminals 2, 3.

2 - 3 : Continuity should exist. 18 - 2 : Continuity should exist.

Check continuity between automatic drive positioner control u

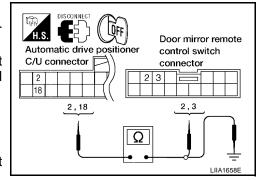
4. Check continuity between automatic drive positioner control unit connector M41 terminals 2, 18 and ground.

2 - Ground : Continuity should not exist.18 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 3.

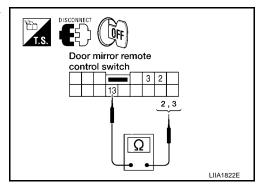
NG >> Repair or replace harness.



3. CHECK DOOR MIRROR REMOTE CONTROL SWITCH (CHANGEOVER SWITCH)

Check continuity between door mirror remote control switch terminals as follows.

Term	inals	Condition Continuity	
2	Changeover switch LEFT posit		Yes
2	13	Other than above	No
2	13	Changeover switch RIGHT position	Yes
3	3	Other than above	No



OK or NG

OK >> Check the condition of the harness and the connector.

NG >> Replace door mirror remote control switch.

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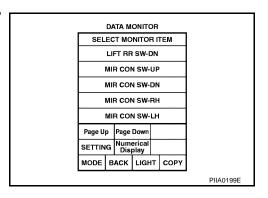
DOOR MIRROR REMOTE CONTROL SWITCH (MIRROR SWITCH) CIRCUIT CHECK

1. CHECK FUNCTION

(II) With CONSULT-II

Check operation with MIR CON SW-UP/DN, MIR CON SW-RH/LH" on the DATA MONITOR to make sure pulse changes.

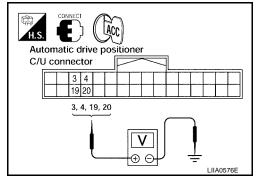
Monitor item [OPE UNIT]	RATION or	Contents
MIR CON SW-UP	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (UP) signal is displayed.
MIR CON SW-DN	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (DOWN) signal is displayed.
MIR CON SW-RH	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (RIGHT) signal is displayed.
MIR CON SW-LH	"ON/OFF"	ON/OFF status judged from the door mirror remote control switch (LEFT) signal is displayed.



⋈ Without CONSULT-II

- 1. Turn ignition switch to ACC.
- 2. Check voltage between automatic drive positioner control unit connector and ground.

Connector	Term	inals	Condition	Voltage (V)
Commodor	(+) (-)		Condition	(Approx.)
	Mirror switch UP operation		0	
			Other than above	5
	Other than above		0	
M41		Ground	Other than above	5
	19		Mirror switch DOWN operation	0
		Other than above	5	
			Mirror switch RIGHT operation	0
			Other than above	5



OK or NG

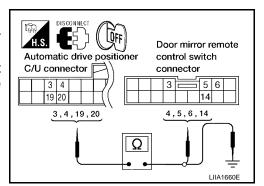
OK >> Door mirror remote control switch (mirror switch) circuit is OK.

NG >> GO TO 2.

2. CHECK DOOR MIRROR REMOTE CONTROL SWITCH CIRCUIT HARNESS CONTINUITY

- 1. Turn ignition switch OFF.
- 2. Disconnect automatic drive positioner control unit and door mirror remote control switch.
- Check continuity between automatic drive positioner control unit connector M41 terminals 3, 4, 19, 20 and door mirror remote control switch connector M7 terminals 4, 4, 6, 14.

3 - 6 : Continuity should exist.
4 - 5 : Continuity should exist.
19 - 14 : Continuity should exist.
20 - 4 : Continuity should exist.



4. Check continuity between automatic drive positioner control unit connector M41 terminals 3, 4, 19, 20 and ground.

3 - Ground : Continuity should not exist.
4 - Ground : Continuity should not exist.
19 - Ground : Continuity should not exist.
20 - Ground : Continuity should not exist.

OK or NG

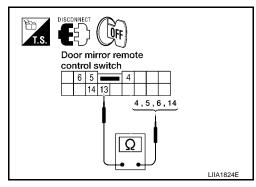
OK >> GO TO 3.

NG >> Repair or replace harness.

3. CHECK DOOR MIRROR REMOTE CONTROL SWITCH (MIRROR SWITCH)

Check continuity between door mirror remote control switch terminals as follows.

Term	inals	als Condition Continu	
4		Mirror switch RIGHT operation	Yes
4		Other than above	No
5		Mirror switch LEFT operation	Yes
5	5 13	Other than above	No
6	13	Mirror switch UP operation	Yes
Ü		Other than above	No
1.4	Mirror switch DOWN operation	Yes	
14	14	Other than above	No



OK or NG

OK >> Check the condition of the harness and the connector.

NG >> Replace door mirror remote control switch.

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DOOR MIRROR REMOTE CONTROL SWITCH GROUND CIRCUIT CHECK

1. CHECK DOOR MIRROR REMOTE CONTROL SWITCH GROUND CIRCUIT

Check continuity between door mirror remote control switch connector M7 terminal 13 and ground.

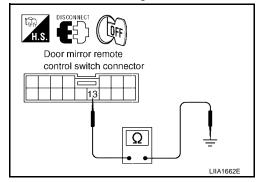
13 - Ground

: Continuity should exist.

OK or NG

OK >> GO TO 2.

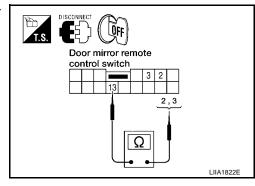
NG >> Repair or replace harness.



2. CHECK DOOR MIRROR REMOTE CONTROL SWITCH GROUND CIRCUIT

Check continuity between door mirror remote control switch terminals as follows.

Term	inals	Condition Continui	
3		Changeover switch RIGHT position	Yes
3	13	Other than above	No
2	13	Changeover switch LEFT position	Yes
		Other than above	No



OK or NG

OK >> Check the condition of the harness and the connector.

NG >> Replace door mirror remote control switch.

ADP STEERING TELESCOPIC SWITCH CIRCUIT INSPECTION

1. CHECK FUNCTION

(P) With CONSULT-II

With "TELESCO SW-FR, TELESCO SW-RR" on the DATA MONI-TOR, operate the ADP steering telescopic switch to check ON/OFF operation.

Monitor item [OPE UNIT]	RATION or	Contents
TELESCO SW-FR	"ON/OFF"	Operation (ON)/open (OFF) status judged from the telescopic switch (FR) signal is displayed.
TELESCO SW-RR	"ON/OFF"	Operation (ON)/open (OFF) status judged from the telescopic switch (RR) signal is displayed.

	DATA	MONITO	R		
SE	LECT M	ONITO	R IT	EM	
	TELES	co sw-	FR		
	TELES	co sw-	RR		
	TILT	SW-UF			
	TILT S				
	MEMO	DRY SW	1		
Page L	lp Pag				
SETTIN	G Nui	1			
MODE	BACK	LIGH	łΤ	COPY]
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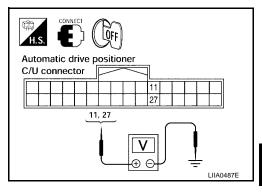
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⋈ Without CONSULT-II

- 1. Turn ignition switch OFF.
- 2. Check voltage between automatic drive positioner control unit connector and ground.

Connector	Terminals (+) (-)		Condition	Voltage (V) (Approx.)
Connector			Condition	
M41	11	Ground	Telescopic switch ON (FORWARD operation)	0
			Other than above	5
	27		Telescopic switch ON (BACKWARD operation)	0
			Other than above	5



OK or NG

OK >> ADP steering telescopic switch circuit is OK.

NG >> GO TO 2.

2. CHECK ADP STEERING TELESCOPIC SWITCH HARNESS CONTINUITY

- Disconnect automatic drive positioner control unit and ADP steering switch.
- 2. Check continuity between automatic drive positioner control unit connector M41 terminals 11, 27 and ADP steering switch connector M16 terminals 4, 5.

: Continuity should exist. 11 - 5 27 - 4 : Continuity should exist.

3. Check continuity between automatic drive positioner control unit connector M41 terminals 11, 27 and ground.

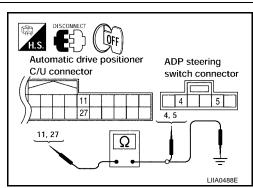
> 11 - Ground : Continuity should not exist. 27 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 3.

Revision: October 2006

NG >> Repair or replace harness.



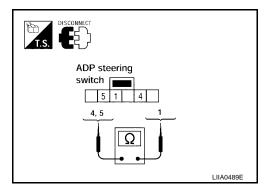
2006 Maxima

SE-79

3. CHECK ADP STEERING TELESCOPIC SWITCH

Check continuity between ADP steering switch terminals as follows.

Term	Terminals Condition		Continuity
		Telescopic switch ON (BACKWARD operation)	Yes
4	1	Other than above	No
5	'	Telescopic switch ON (FORWARD operation)	Yes
		Other than above	No



OK or NG

OK >> GO TO 4.

NG >> Replace ADP steering switch.

4. CHECK ADP STEERING TELESCOPIC SWITCH GROUND CIRCUIT

Check continuity between ADP steering switch connector M16 terminal 1 and ground.

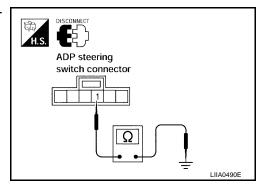
1 - Ground

: Continuity should exist.

OK or NG

OK >> Check the condition of the harness and connector.

NG >> Replace or replace harness.



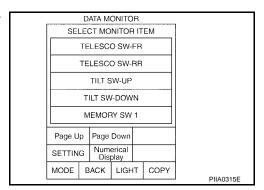
ADP STEERING TILT SWITCH CIRCUIT INSPECTION

1. CHECK FUNCTION

(P) With CONSULT-II

With "TILT SW-UP, TILT SW-DOWN" on the DATA MONITOR, operate the ADP steering wheel tilt switch to check ON/OFF operation.

Monitor item [OP UNIT		Contents			
TILT SW-UP	"ON/OFF"	Operation (ON)/open (OFF) status judged from the tilt switch (FR) signal is displayed.			
TILT SW-DOWN	"ON/OFF"	Operation (ON)/open (OFF) status judged from the tilt switch (RR) signal is displayed.			



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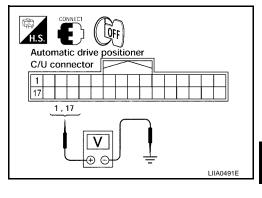
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⋈ Without CONSULT-II

- 1. Turn ignition switch OFF.
- Check voltage between automatic drive positioner control unit connector and ground.

			Î	i	
Connector	Term	ninals	Condition	Voltage (V) (Approx.)	
Connector	(+)	(-)	Containon		
	1	Ground	Tilt switch ON (UP operation)	0	
M41			Other than above	5	
IVI + I	17	Giodila	Tilt switch ON (DOWN operation)	0	
			Other than above	5	



OK or NG

OK >> ADP steering tilt switch circuit is OK.

NG >> GO TO 2.

2. CHECK ADP STEERING TILT SWITCH HARNESS CONTINUITY

- Disconnect automatic drive positioner control unit and ADP steering switch.
- Check continuity between automatic drive positioner control unit connector M41 terminals 1, 17 and ADP steering switch connector M16 terminals 2, 3.

1 - 2 : Continuity should exist. 17 - 3 : Continuity should exist.

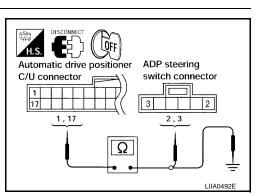
3. Check continuity between automatic drive positioner control unit connector M41 terminals 1, 17 and ground.

1 - Ground : Continuity should not exist.17 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 3.

NG >> Repair or replace harness.



3. CHECK ADP STEERING TILT SWITCH

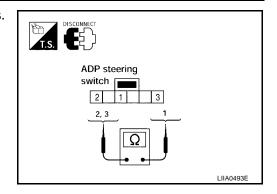
Check continuity between ADP steering switch terminals as follows.

Term	inals	Condition	Continuity
2		Tilt switch ON (UP operation)	Yes
2	1	Other than above	No
3		Tilt switch ON (DOWN operation)	Yes
		Other than above	No

OK or NG

OK >> GO TO 4.

NG >> Replace ADP steering switch.



4. CHECK ADP STEERING TILT SWITCH GROUND CIRCUIT

Check continuity between ADP steering switch connector M16 terminal 1 and ground.

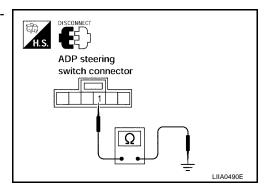
1 - Ground

: Continuity should exist.

OK or NG

OK >> Check the condition of the harness and connector.

NG >> Replace or replace harness.



SEAT MEMORY INDICATOR LAMP CIRCUIT INSPECTION

1. CHECK FUNCTION

With CONSULT-II

With "MEMORY SW INDCTR" in ACTIVE TEST, check operation.

Test item	Description			
MEMORY SW INDCTR	The memory switch indicator is lit by receiving the drive signal.			

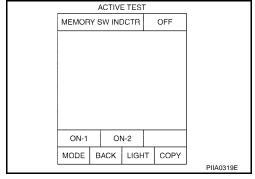
⋈ Without CONSULT-II

GO TO 2.

OK or NG

OK >> Seat memory indicator lamp circuit is OK.

NG >> GO TO 2.



2. CHECK SEAT MEMORY SWITCH POWER SUPPLY CIRCUIT

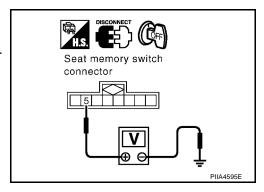
- 1. Turn ignition switch OFF.
- 2. Disconnect seat memory switch.
- Check voltage between seat memory switch connector D5 terminal 5 and ground.



OK or NG

OK >> GO TO 3.

NG >> Repair or replace harness.



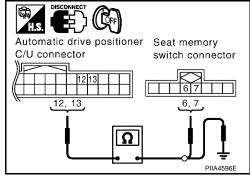
3. CHECK HARNESS CONTINUITY

- 1. Disconnect automatic drive positioner control unit.
- 2. Check continuity between automatic drive positioner control unit connector M41 terminals 12, 13 and seat memory switch connector D5 terminals 6, 7.

12 - 6 : Continuity should exist.13 - 7 : Continuity should exist.

Check continuity between automatic drive positioner control unit connector M41 terminals 12, 13 and ground.

12 - Ground : Continuity should not exist.
13 - Ground : Continuity should not exist.



OK or NG

OK >> GO TO 4.

NG >> Repair or replace harness.

4. CHECK SEAT MEMORY SWITCH INDICATOR SIGNAL

- 1. Connect seat memory switch.
- 2. Check voltage between automatic drive positioner control unit connector M41 terminals 12, 13 and ground.

12 - Ground : Battery voltage 13 - Ground : Battery voltage

OK or NG

OK >> Replace automatic drive positioner control unit.

NG >> Replace seat memory switch.

Automatic drive positioner C/U connector 12, 13 LIIA1134E

UART COMUNICATION LINE CIRCUIT INSPECTION

1. CHECK UART LINE HARNESS

- 1. Turn ignition switch OFF.
- 2. Disconnect driver seat control unit and automatic drive positioner control unit.
- Check continuity between driver seat control unit connector P2 terminal 1, 17 and automatic drive positioner connector M41 terminal 10, 26.

1 - 10 : Continuity should exist.17 - 26 : Continuity should exist.

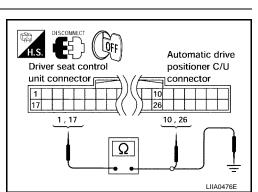
4. Check continuity between driver seat control unit connector P2 terminal 1, 17 and ground.

1 - Ground : Continuity should not exist. 17 - Ground : Continuity should not exist.

OK or NG

OK >> GO TO 2.

NG >> Repair or replace harness.



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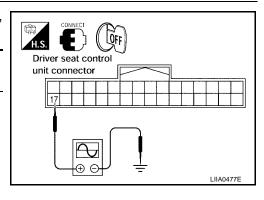
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2. CHECK UART LINE INPUT/OUTPUT SIGNAL 1

Check signal between driver seat control unit connector and ground, with oscilloscope.

Connector	Term	inals	Condition	Signal		
Connector	(+)	(-)	Condition			
P2	17	Ground	Seat memory switch ON (1 or 2 operation)	(V) 6 4 2 0 2 ms		



OK or NG

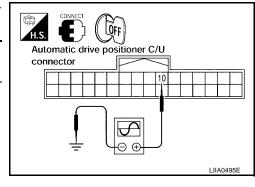
OK >> GO TO 3.

NG >> Replace driver seat control unit.

3. CHECK UART LINE INPUT/OUTPUT SIGNAL 2

Check signal between automatic driver positioner control unit connector ground, with oscilloscope.

Connector	Term	inals	Condition	Signal			
Connector	(+) (-)		Condition	Signal			
M41	10	Ground	Seat memory switch ON (1 or 2 operation)	(V) 6 4 2 0 1 ms			



OK or NG

OK >> GO TO 4.

NG >> Replace automatic driver positioner control unit.

4. CHECK DRIVER SEAT CONTROL UNIT

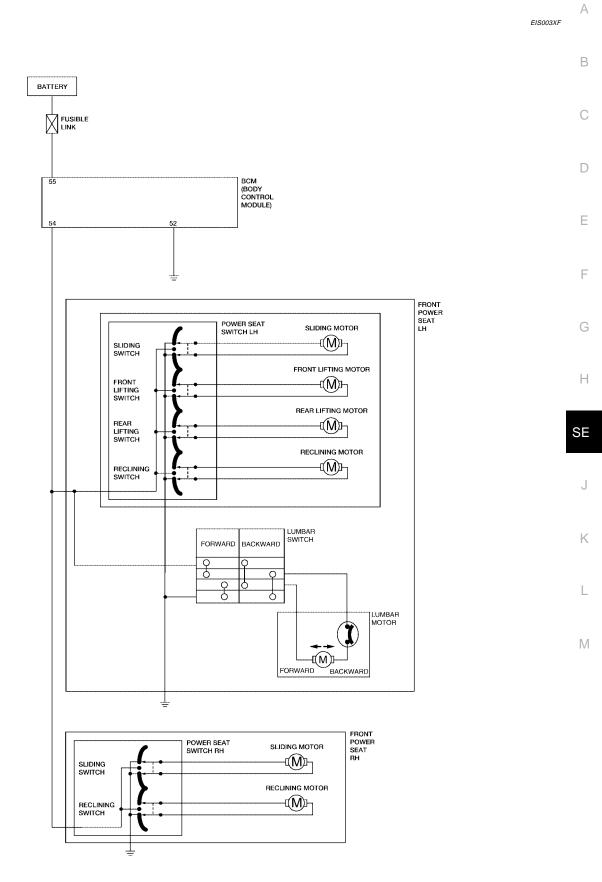
Does the automatic drive positioner function when the driver control unit is exchanged?

YES or NO

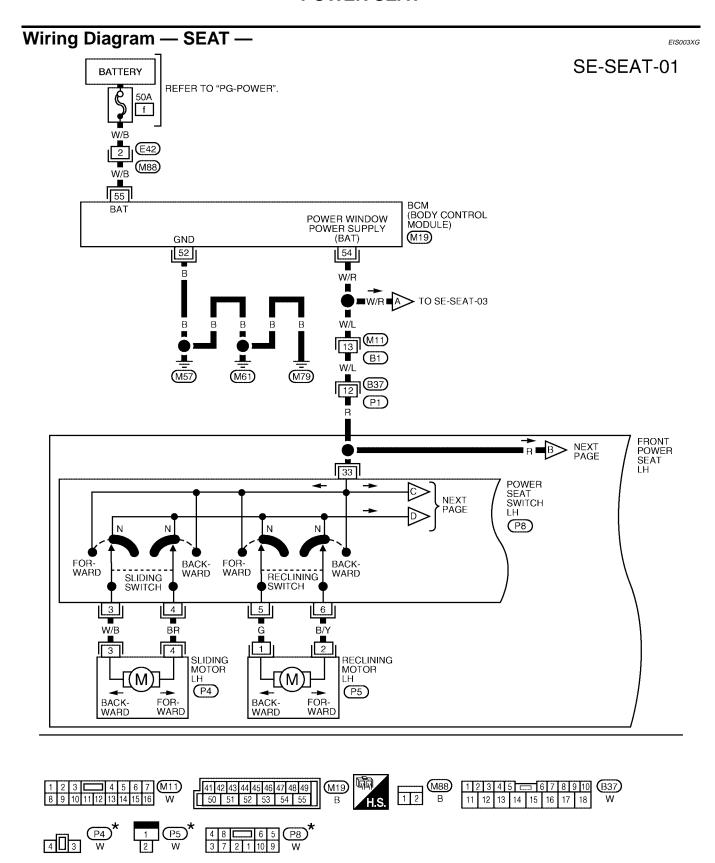
YES >> Replace driver seat control unit.

NN >> Replace automatic drive positioner control unit.

POWER SEAT Schematic PFP:87016

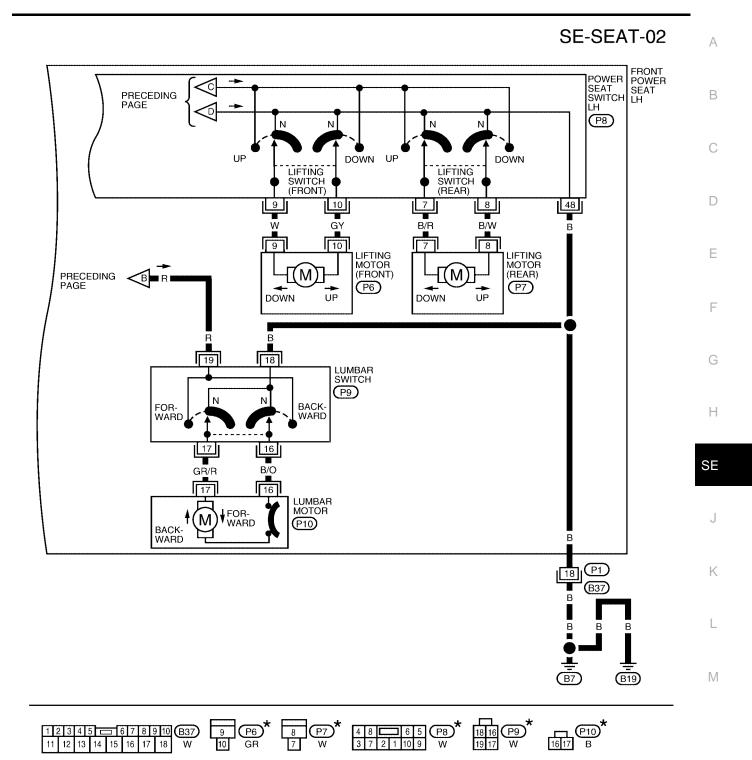


WIWA0352E



 \bigstar : THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

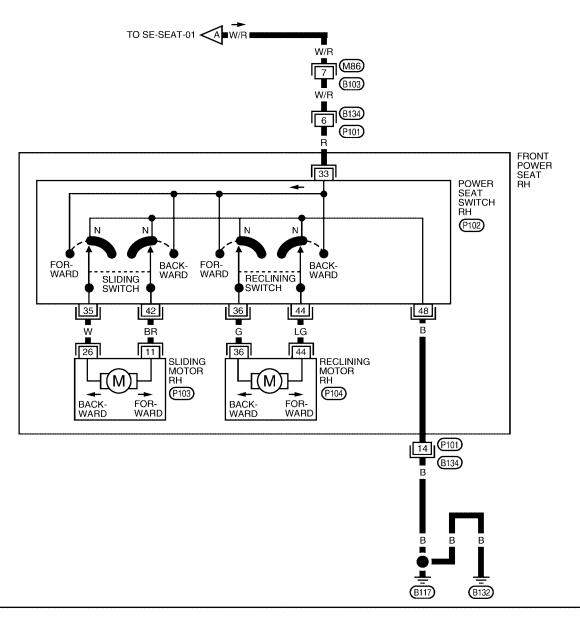
WIWA1185E

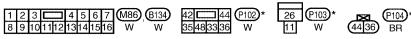


*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

WIWA1295E

SE-SEAT-03





WIWA1296E

^{*:} THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

HEATED SEAT

PFP:87335

Description

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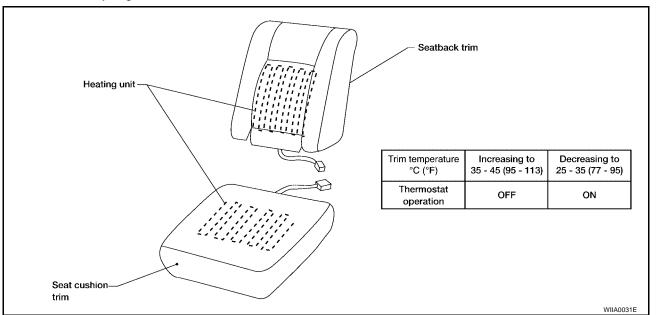
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When handling seat, be extremely careful not to scratch heating unit.

• Do not use any organic solvent, such as thinner, benzene, alcohol, etc. to clean trim.



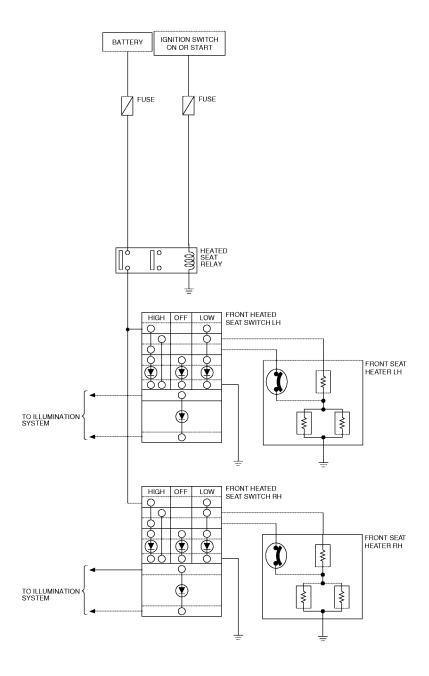
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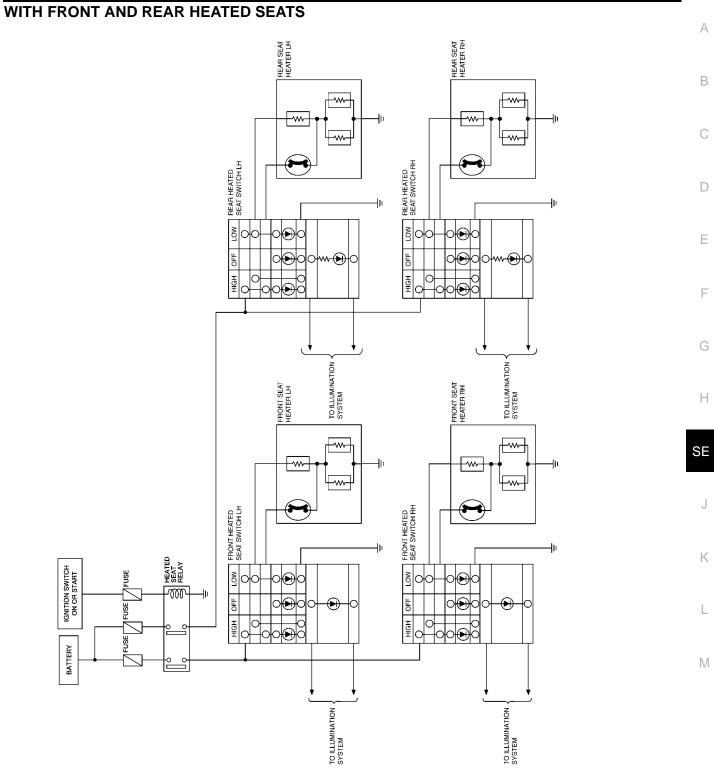
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Schematic
WITH FRONT LEFT AND RIGHT HEATED SEATS

EIS003XI



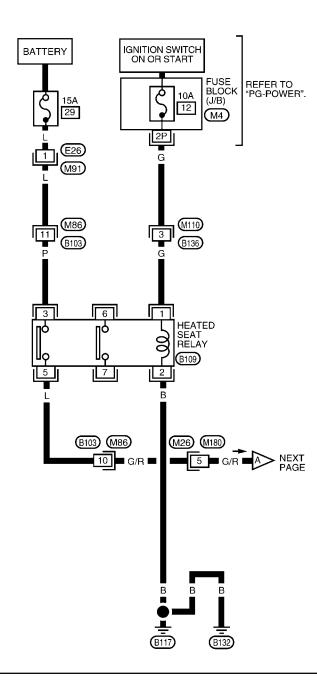


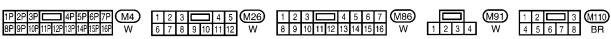
WIWA1204E

Wiring Diagram — HSEAT — WITH FRONT LEFT AND RIGHT HEATED SEATS

EIS003XJ

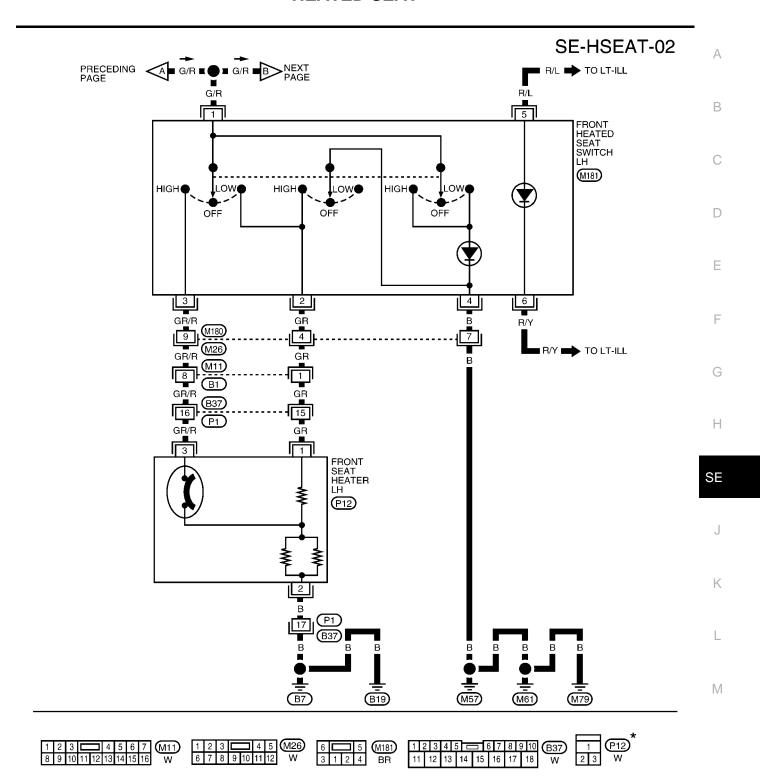
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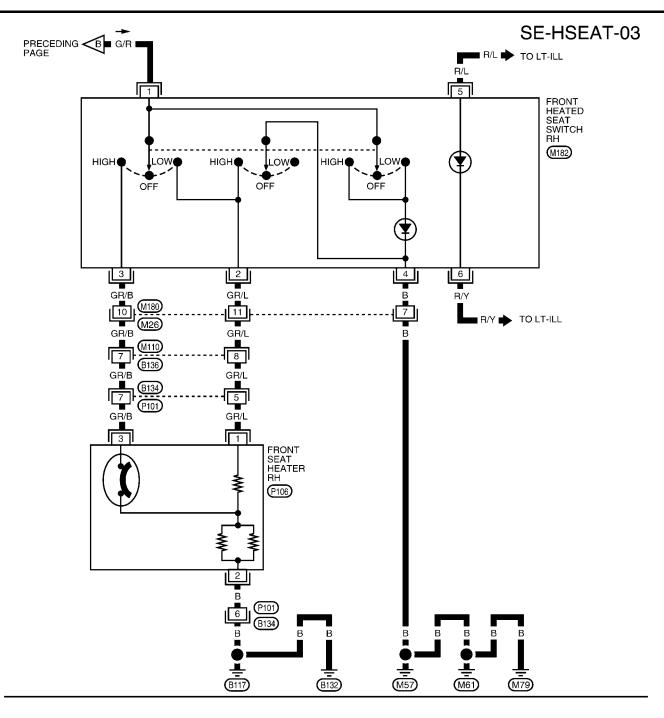


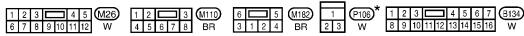
WIWA1186E



★: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

WIWA1187E





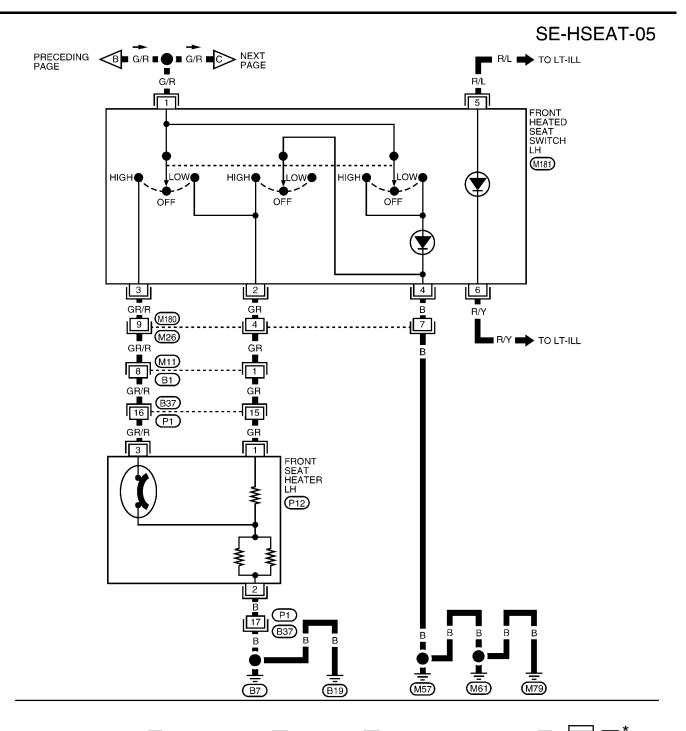
 $\ensuremath{\bigstar}$: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

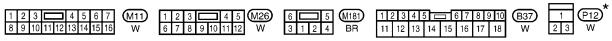
WIWA1188E

WITH FRONT AND REAR HEATED SEATS Α SE-HSEAT-04 IGNITION SWITCH ON OR START **BATTERY** FUSE BLOCK В REFER TO "PG-POWER". 10A (J/B) 12 (M4) C 2P D Е (M110) B103 (B136) 「 6 3 HEATED SEAT RELAY (B109) Н 7 SB (B125) (B201) SB A TO SE-HSEAT-07 SE (B103) (M86) M26 M180 NEXT PAGE 10 **G**/R 5 **■** G/R **■** B K В M (B117) 1 2 3 M110 B201 4 5 6 7 8 BR W 1P 2P 3P 4P 5P 6P 7P M4 8P 9P 10P 11P 12P 13P 14P 15P 16P W (M86)

WIWA1189E

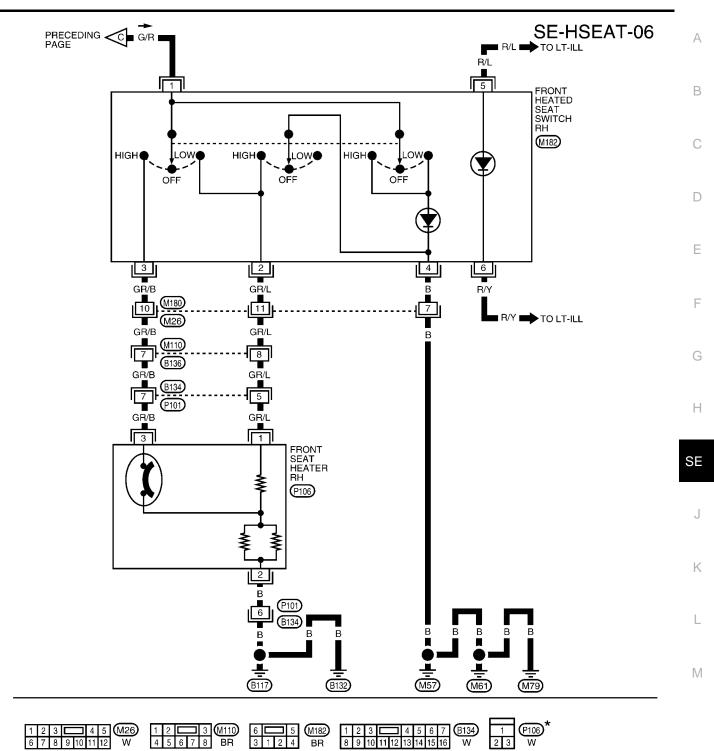
B109





*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

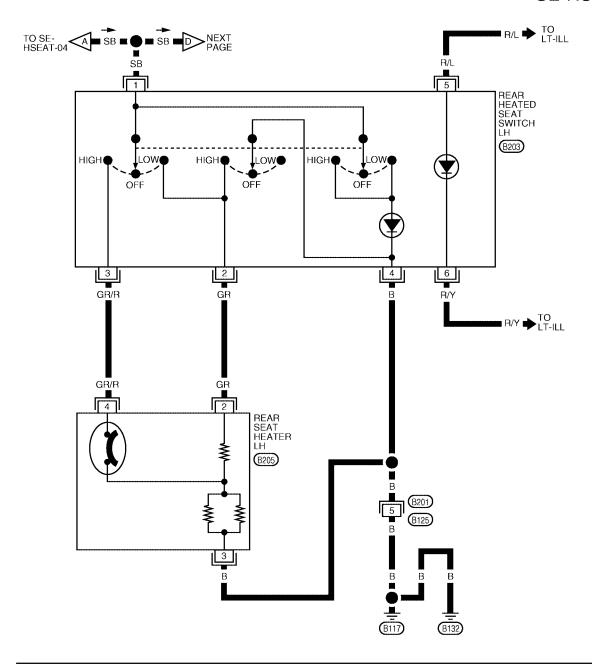
WIWA1190E

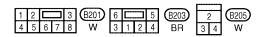


*: THIS CONNECTOR IS NOT SHOWN IN "HARNESS LAYOUT" OF PG SECTION.

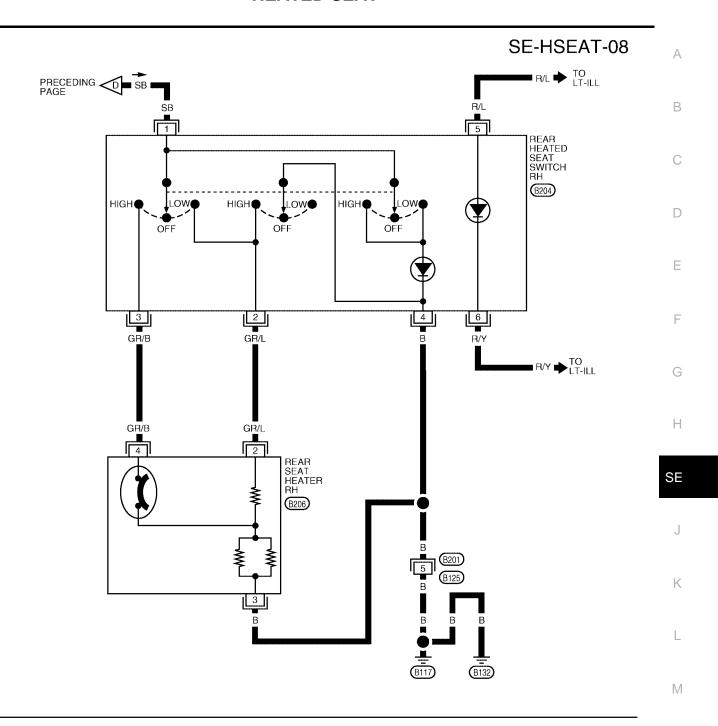
WIWA1191E

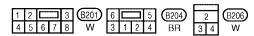
SE-HSEAT-07





WIWA1205E





WIWA1206E

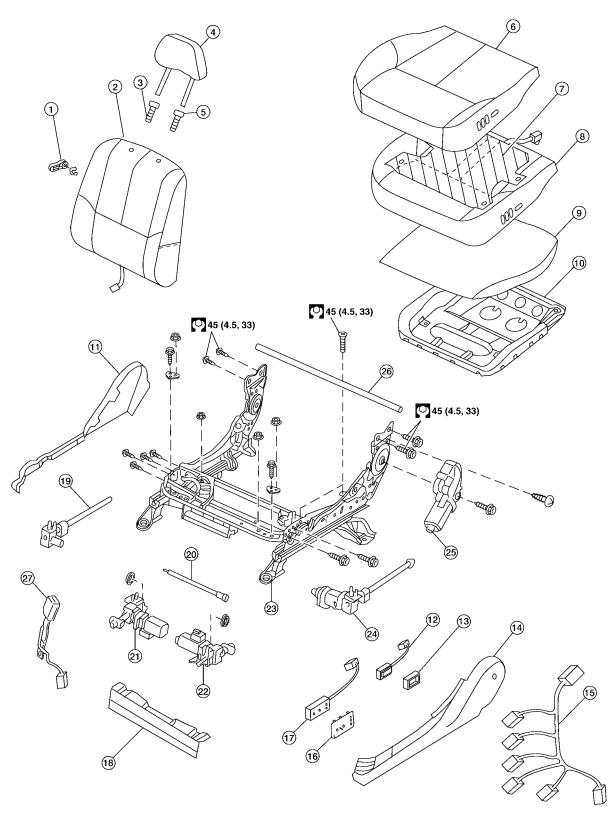
FRONT SEAT PFP:87000

Removal and Installation

EIS003XK

Driver Seat

SEC.870



FRONT SEAT

1.	Manual seat lumbar unit lever	2.	Seatback assembly	3.	Headrest holder (free)
4.	Headrest	5.	Headrest holder (locked)	6.	Seat cushion trim
7.	Seat cushion heater unit (if equipped)	8.	Seat cushion pad	9.	Silk film bag
10.	Seat cushion frame	11.	Seat cushion inner finisher	12.	Power lumbar support switch (optional)
13.	Power lumbar support switch finisher (if equipped)	14.	Seat cushion outer finisher	15.	Driver power seat harness
16.	Power seat switch finisher (if equipped)	17.	Power seat switch	18.	Seat cushion front finisher
19.	Slide assembly	20.	Seat flex wire	21.	Front lifter motor
22.	Rear lifter motor	23.	Driver seat frame	24.	Slide motor
25.	Reclining motor	26.	Crossbar	27.	Seat belt buckle

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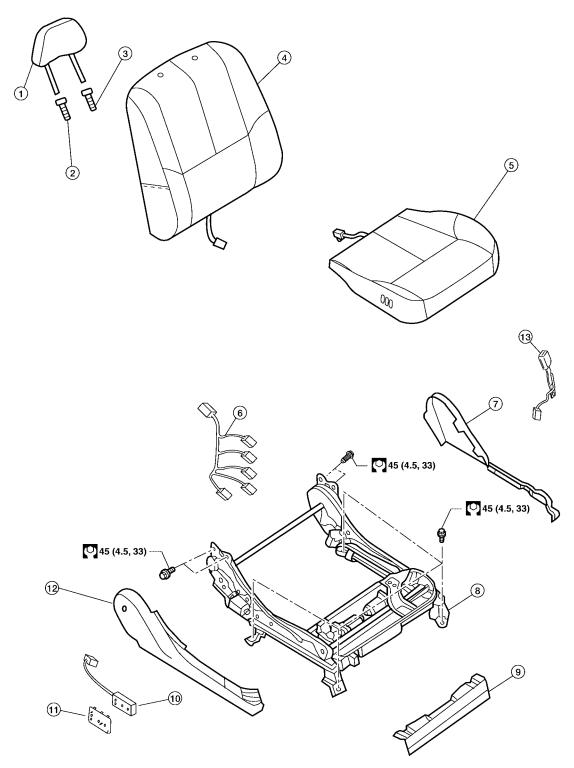
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FRONT SEAT

Passenger Seat

SEC.890



WIIA1290E

- 1. Headrest
- 4. Seatback assembly
- 7. Seat cushion inner finisher
- 10. Power seat switch
- 13. Seat belt buckle

- 2. Headrest holder (free)
- 5. Seat cushion assembly
- 8. Passenger seat power frame assem- 9. bly
- 11. Power seat switch finisher
- 3. Headrest holder (locked)
- 6. Passenger power seat harness
- 9. Seat cushion front finisher
- 12. Seat cushion outer finisher

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

CAUTION:

- Before removing the front seat, turn the ignition switch off, disconnect both battery cables and wait and 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 while installing the seat. Always handle it with care.
- After front side air bag module inflates, front seatback assembly must be replaced.
- Front passenger seat is equipped with an Occupant Classification System sensor and control module. Do not disassemble front passenger seat cushion assembly or remove the trim as this will affect the Occupant Classification System calibration.
- Always replace passenger seat cushion as an assembly.
- 1. Slide the seat until the four bolts are visible and a tool can be inserted.

NOTE:

When disassembling the driver seat after removal, set the front/rear cushion lifter to the top position.

- 2. Disconnect both battery cables and wait at least 3 minutes.
- 3. Remove the harness connector for the side air bag module.
- 4. Remove the bolts.
- 5. Remove the power seat harness connector and vehicle harness clip from the vehicle.

INSTALLATION

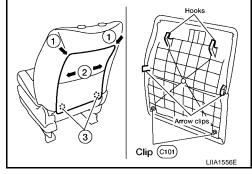
Installation is in the reverse order of removal.

NOTE:

Be sure to insert the rear end tab of the rear leg cover under the rail.

REMOVAL OF SEATBACK ASSEMBLY

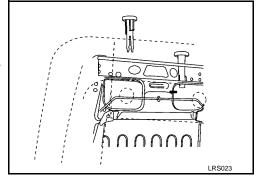
- 1. Remove the seatback finisher from the back of the seatback.
 - 1. Bend both top corners inward (one at a time) to release the top hooks.
 - 2. Shift the seatback finisher to the left and right to release the middle hooks.
 - Separate the trim clips from the seatback frame to remove the seatback finisher.



2. From the back of the seatback, press the headrest holder tabs at the base of the stay pipe to disengage. Then pull the headrest holder up to remove.

NOTE:

Before installing the headrest holder, check its orientation (front/rear and right/left).



- 3. Pull out the harness connector for the side air bag from the seat cushion.
- 4. Remove the reclining device bolts (2 for each side) on the seatback frame, and remove the seatback assembly.

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Revision: October 2006 SE-103 2006 Maxima

FRONT SEAT

NOTE:

When assembling the seatback frame, make sure that the reclining device is locked on both sides, and be sure to temporarily tighten the bolts, then finish tightening them.

INSTALLATION OF SEATBACK ASSEMBLY

Installation is in the reverse order of removal.

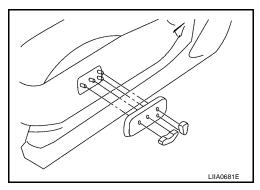
SEAT CUSHION TRIM AND PAD (DRIVER) OR SEAT CUSHION ASSEMBLY (PASSENGER) CAUTION:

- Front passenger seat is equipped with an Occupant Classification System sensor and control
 module. Do not disassemble front passenger seat cushion assembly or remove the trim as this
 will affect the Occupant Classification System calibration.
- Always replace passenger seat cushion as an assembly.
- When removed, the passenger seat cushion must always be placed pan side UP to prevent damage.
- During installation, the wire harness clips must be installed in the holes they were originally in. Do not add additional clips.
- The Occupant Classification System control module can only be replaced as part of the seat cushion assembly.

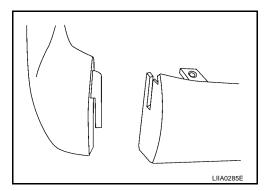
NOTE

If the vehicle has been involved in a collision, the seat must be inspected for damage. Refer to <u>SRS-55, "COL-LISION DIAGNOSIS"</u> .

Remove the power seat switch knob.



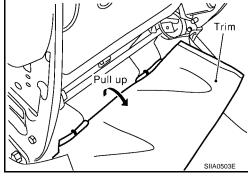
2. Remove the front seat cushion finisher (inner).



- 3. Remove the three power seat switch assembly screws (or lift knobs on manual seats).
- 4. Remove four bolts and seat cushion assembly.

FRONT SEAT

- 5. Remove the retainer on the seat cushion frame, then remove the harness connector for the seat heater.
- 6. For driver seat only, after removing the seat cushion assembly, remove the hog rings to separate the trim cover from the pad and seat cushion heater unit.



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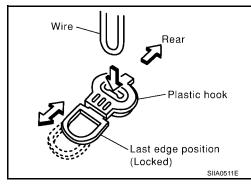
REAR SEAT

REAR SEAT PFP:88300

Removal and Installation REMOVAL

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- Pull the lock at the front bottom of the seat cushion forward (1 for each side), and pull the seat cushion upward to release the wire from the plastic hook, then pull the seat cushion forward to remove.
- 2. Remove the RH and LH screws on the seatback.
- 3. Slide the seatback upward to pull off the wire from the wire from the vehicle-side hook, and remove the seatback.
- 4. After removing, remove the hog ring to separate the trim and pad.



INSTALLATION

Installation is in the reverse order of removal.

Disassembly and Assembly

5-Passenger

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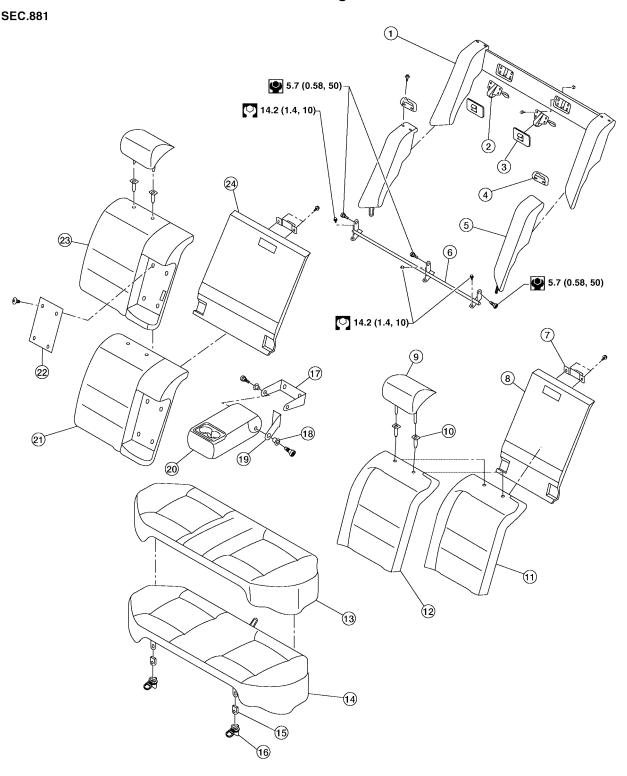
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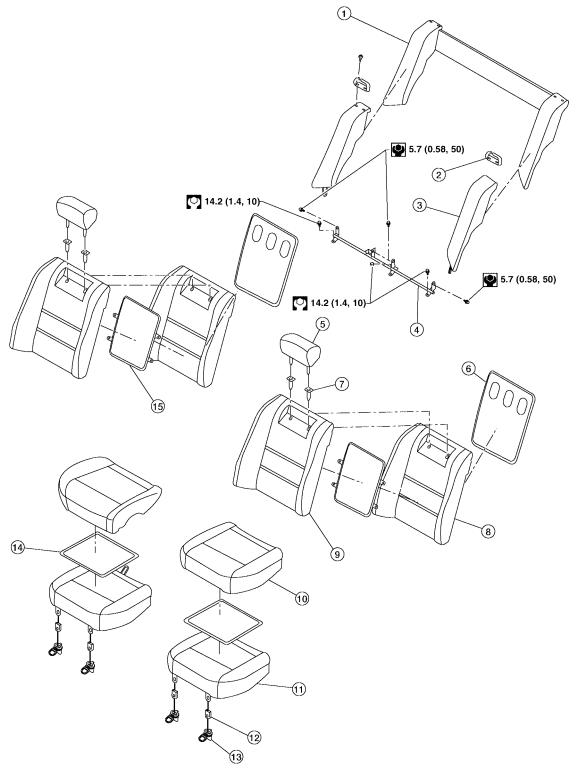
- Rear seat side bolster assembly
- Seat belt guides
- Rear seatback latch strikers
- Rear seatback latch assemblies 2.
- Rear seatback side bolster trim covers
- 8. Rear seatback board (40 percent portion)
- Rear seatback latch covers 3.
- 6. Rear seatback hinge assembly
- 9. Rear seatback headrest

REAR SEAT

10.	Headrest guide	11.	Rear seatback pad (40 percent portion)	12.	Rear seatback trim cover (40 percent portion)
13.	Rear seat cushion trim cover	14.	Rear seat cushion pad and frame	15.	Rear seat cushion hook insulator
16.	Rear seat cushion hook	17.	Armrest bracket	18.	Bushing
19.	Armrest bracket cover	20.	Rear seat armrest assembly	21.	Rear seatback pad (60 percent portion)
22.	Armrest lid board assembly	23.	Rear seatback trim cover (60 percent portion	24.	Rear seatback board (60 percent portion)

4-Passenger

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- 1. Rear seat side bolster assembly
- 4. Rear seatback hinge assembly
- 7. Headrest guide
- 10. Rear seat cushion trim cover
- 13. Rear seat cushion hook
- 2. Seat belt guide
- 5. Rear seatback headrest
- 8. Rear seatback pad
- 11. Rear seat cushion pad and frame
- 14. Rear seat cushion heater
- 3. Rear seatback side bolster trim covers
- 6. Rear seatback board
- 9. Rear seatback trim cover
- 12. Rear seat cushion hook insulator
- 15. Rear seat back heater

REAR SEAT