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< PRECAUTION > PRECAUTION PRECAUTIONS

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

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a 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 AIR BAG" and "SEAT BELT" of this Service Manual.

WARNING:

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that 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 "SRS AIR BAG".
- Never 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 WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

Always observe the following items for preventing accidental activation.

- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the ignition OFF, disconnect the battery, and wait at least 3 minutes before performing any service.

Precautions for Removing Battery Terminal

 When removing the 12V battery terminal, turn OFF the ignition switch and wait at least 30 seconds.
 NOTE:

ECU may be active for several tens of seconds after the ignition switch is turned OFF. If the battery terminal is removed before ECU stops, then a DTC detection error or ECU data corruption may occur.

• For vehicles with the 2-batteries, be sure to connect the main battery and the sub battery before turning ON the ignition switch. **NOTE:**

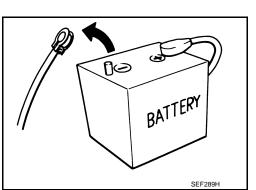
If the ignition switch is turned ON with any one of the terminals of main battery and sub battery disconnected, then DTC may be detected.

• After installing the 12V battery, always check "Self Diagnosis Result" of all ECUs and erase DTC. **NOTE:**

The removal of 12V battery may cause a DTC detection error.

Service Notice

- When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratches.
- Handle trim, molding, instruments, grille, etc. carefully during removing or installing. Be careful not to oil or damage them.



INFOID:000000009652909

INFOID:000000009979163

PRECAUTIONS

< PRECAUTION >

- Apply sealing compound where necessary when installing parts.
- When applying sealing compound, be careful that the sealing compound never protrudes from parts.
 When replacing any metal parts (for example body outer panel, members, etc.), always take rust prevention measures.

Precaution for Work

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, always protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, always 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.
- Always tighten bolts and nuts securely to the specified torque.
- After reinstallation is complete, always 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.

- Never use organic solvent such as thinner, benzene, alcohol, and gasoline.
- For genuine leather seats, and use a genuine leather seat cleaner.

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< PREPARATION >

PREPARATION PREPARATION

Special Service Tool

INFOID:000000009652911

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	
(J39570) Chassis ear	SIIA0993E	Locates the noise	
(J50397) NISSAN Squeak and Rattle Kit	SIIA0994E	Repairs the cause of noise	
Commercial Service Tool		INFOID:0000	000009652912

Tool name		Description
Engine ear	SIIA0995E	Locates the noise

< PREPARATION > CLIP LIST

Clip List

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INFOID:000000009652913

				E
Shapes	Removal & Installation	Shapes	Removal & Installation	
\$ \$ \$	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.	Clip A Clip B	Removal: Finisher Clip A	(
L BÉ SÍ	Removal: Remove with a clip remover.	Clip A Clip B (Grommet)	Removal: Flat-bladed screwdriver Body panel Clip A Clip B (Grommet)	F
	Removal: Push center pin to catching position. (Do not remove center pin by hitting it.) Push Ush Ush Ush Ush Ush Ush Ush U		Removal: Holder portion of clip must be spread out to remove rod.	ŀ
	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.		Removal: 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver.	S
Ĩ	Removal:		Removal: Installation: Rotate 45° to remove. Removal:	
	Removal:		Removal:	(

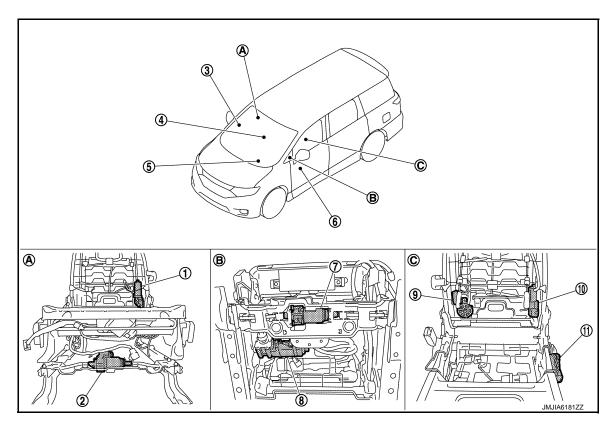
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< SYSTEM DESCRIPTION >

SYSTEM DESCRIPTION COMPONENT PARTS POWER SEAT SYSTEM

POWER SEAT SYSTEM : Component Parts Location

INFOID:000000009652914



- A. View with seatback pad removed (passenger side).
- B. Back side of seat cushion.
- C. View with seatback pad removed (driver side).

No.	Item	Function
1.	Reclining motor (passenger side)	Refer to <u>SE-11, "Reclining Motor"</u> .
2.	Sliding motor (passenger side)	Refer to <u>SE-11, "Sliding Motor"</u> .
3.	Power seat switch (passenger side)	Refer to <u>SE-11, "Power Seat Switch"</u> .
4.	Lumbar support switch	Refer to SE-11, "Lumbar Support Switch".
5.	ВСМ	Supplies at all times the power received from battery to power seat switch. Refer to <u>BCS-4</u> , "BODY CONTROL SYSTEM : Component Parts Location".
6.	Power seat switch (driver side)	Refer to <u>SE-11, "Power Seat Switch"</u> .
7.	Sliding motor (driver side)	Refer to <u>SE-11, "Sliding Motor"</u> .
8.	Lifting motor (front)	Refer to <u>SE-11, "Lifting Motor"</u> .
9.	Lumbar support motor	Refer to <u>SE-11, "Lumbar Support Motor"</u> .
10.	Reclining motor	Refer to <u>SE-11, "Reclining Motor"</u> .
11.	Lifting motor (front)	Refer to <u>SE-11, "Lifting Motor"</u> .

HEATED SEAT SYSTEM

< SYSTEM DESCRIPTION >

HEATED SEAT SYSTEM : Component Parts Location

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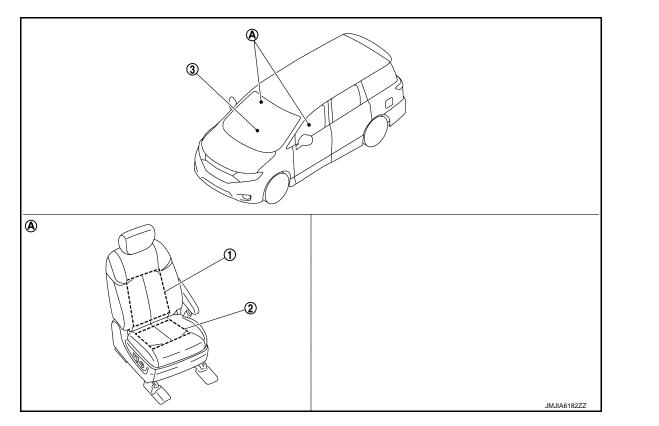
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A. Front seat

No.	Item	Function	SE
1.	Seat back heater	Refer to SE-11, "Seatback Heater".	
2.	Seat cushion heater	Refer to SE-11, "Seat Cushion Heater".	K
3.	Heated seat switch	Refer to SE-11, "Heated Seat Switch".	

SEATBACK POWER FOLDING/RETURN SYSTEM

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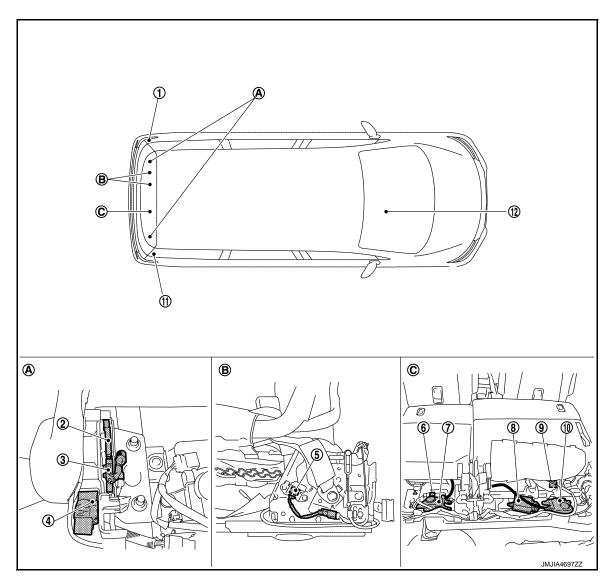
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< SYSTEM DESCRIPTION >

SEATBACK POWER FOLDING/RETURN SYSTEM : Component Parts Location

INFOID:000000009652916



A. Reclining device assembly (outside)

B. Reclining device assembly (Inside)

C. Under the third seat

No.	Item	Function
1.	Third seat fold switch (LH)	Refer to SE-11, "Third Seat Fold Switch".
2.	Sector gear	Refer to SE-11, "Sector Gear".
3.	Sector gear position limit switch	Refer to SE-11, "Sector Gear Position Limit Switch".
4.	Power return motor assembly	Refer to SE-11, "Power Return Motor Assembly".
5.	Seatback angle limit switch	Refer to SE-11, "Seatback Angle Limit Switch".
6.	Seatback lock release actuator relay (LH)	Refer to SE-11, "Seatback Lock Release Actuator Relay".
7.	Seatback lock release actuator (LH)	Refer to SE-11, "Seatback Lock Release Actuator".
8.	Seatback power return control unit	Refer to SE-12, "Seatback Power Return Control Unit".
9.	Seatback lock release actuator relay (RH)	Refer to SE-11, "Seatback Lock Release Actuator Relay".
10.	Seatback lock release actuator (RH)	Refer to SE-11, "Seatback Lock Release Actuator".
11.	Third seat fold switch (RH)	Refer to SE-11, "Third Seat Fold Switch".
12.	Combination meter	Transmit the vehicle speed signal. Refer to <u>MWI-7</u> , " <u>METER SYSTEM</u> : <u>Combination Meter</u> ".

Revision: 2014 May

< SYSTEM DESCRIPTION >	
Reclining Motor	INFOID:0000000009652917
With the power supplied from power seat switch, operates the forward and backward movement	
Sliding Motor	INFOID:000000009652918
With the power supplied from power seat switch, operates the forward and backward slide of sea	at.
Power Seat Switch	INFOID:000000009652919
Built-in reclining switch and sliding switch, controls the power supplied to each motor.	
Lumbar Support Switch	INFOID:000000009652920
Controls the power supplied to lumbar support motor.	
Lifting Motor	INFOID:000000009652921
With the power supplied from power seat switch, operates the up and down movement of seat c	ushion.
Lumbar Support Motor	INFOID:000000009652922
With the power supplied from lumbar support switch, operates the forward and backward move back support device.	ment of seat-
Seatback Heater	INFOID:000000009652923
Built-in seatback, the heater operates with the power supplied by heater seat switch.	Н
Seat Cushion Heater	INFOID:000000009652924
Built-in seat cushion, the heater operates with the power supplied by heater seat switch.	I
Heated Seat Switch	INFOID:000000009652925
Supplies power supply to each heated seat and operates switching of HI/LO of heated seat an the system.	d ON/OFF of SE
Third Seat Fold Switch	INFOID:000000009652926
Supplies power supply to seatback lock release actuator relay and operates reclining and folding third seat.	ng function of
Sector Gear	INFOID:000000009652927
Built-in reclining switch, sliding switch and lifting switch, controls the power supplied to each mot	
Sector Gear Position Limit Switch	INFOID:000000009652928
With the power supplied from power seat switch, operates the forward and backward movement	of seatback.
Power Return Motor Assembly	INFOID:000000009652929
With the power supplied from power seat switch, operates the forward and backward slide of sea	at. O
Seatback Angle Limit Switch	INFOID:000000009652930
With the power supplied from power seat switch, operates the up and down movement of seat c	ushion. P
Seatback Lock Release Actuator Relay	INFOID:000000009652931
Supplies battery power supply to motor when receiving power supply from third seat fold down s	witch.
Seatback Lock Release Actuator	INFOID:000000009652932
Releases lock when receiving battery power supply from seatback lock release actuator relay.	

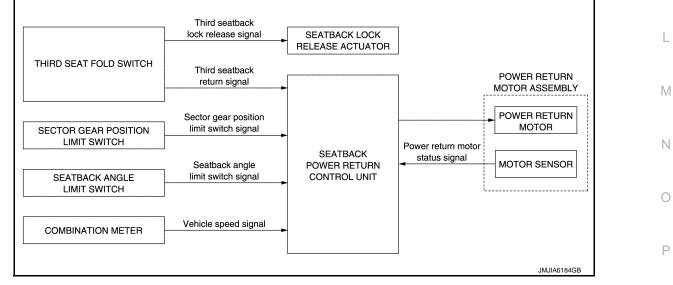
< SYSTEM DESCRIPTION >

Seatback Power Return Control Unit

Control the seatback power return system.

INFOID:000000009652933

< SYSTEM DESCRIPTION >	
SYSTEM	
POWER SEAT SYSTEM	A
POWER SEAT SYSTEM : System Description	В
Power seat switch can be operated regardless of the ignition switch position, because power supply is always supplied to power seat switch.	
SLIDING OPERATION	С
While operating the sliding switch located in power seat switch, sliding motor operates and makes possible the seat front and back position adjustment.	
RECLINING OPERATION	D
While operating the reclining switch located in power seat switch, reclining motor operates and makes possible the seat back forward and backward position adjustment.	E
LIFTING OPERATION While operating the lifting switch located in power seat switch, lifting motor operates and makes possible the	
seat cushion up and down position adjustment.	F
LUMBAR SUPPORT	1
While operating the lumbar support switch, lumbar support motor operates which allows forward and back- ward operation of seatback support. HEATED SEAT SYSTEM	G
HEATED SEAT SYSTEM : System Description	Н
Heated seat is a system that operates when ignition switch is in ON position.	
 HEATER OPERATION While operating the heated seat switch, seat cushion heater and seat back heater operate. Temperature of seat can be adjusted by operating on heated seat switch. 	I
SEATBACK POWER FOLDING/RETURN SYSTEM	<u>ег</u>
SEATBACK POWER FOLDING/RETURN SYSTEM : System Description	SE
SYSTEM DIAGRAM	K



DESCRIPTION

Seatback power folding/return system (electric return type) consists of seatback power return control unit (buzzer is integrated), third seat fold switch, power return motor (motor sensor is integrated), sector gear position limit switch, seatback angle limit switch, and sector gear that transfers the movement of power return

< SYSTEM DESCRIPTION >

motor. The seatback LH and RH of third seat can be folded up or down independently according to the operation of third seat fold switch in luggage room.

Operation Condition

Seatback power folding/return operation (electric type) starts when all of the following conditions are satisfied.

- Vehicle speed 2 km/h (1 MPH) or less
- Seatback angle limit switch is ON
- Battery voltage is normal

Seatback Power Fold/Return Operation

When third seat fold switch is operated, seatback power return control units checks whether or not the operation conditions are satisfied, and then controls the return operation of third seatback. Status of each part is as described in the following table.

No.	Third seatback condition	Sector gear position	Sector gear position switch	Seatback angle limit switch
1	Return complete position	Initial position	OFF	OFF
2	Fold down position	Initial position	OFF	ON
3	Return operation	Return incomplete position	$OFF\toON$	ON
4	Return complete position	Return complete position	ON	OFF
5	A: Third seatback B: Seat cushion	Initial position	OFF	OFF

1. When third seatback is in folded up status (return complete position), sector gear is in the initialization position. Sector gear position limit switch and seatback angle limit switch are in the OFF position.

2. When third seat fold switch is pressed in the direction of folding down, seatback lock release actuator operates, winds wire of seatback lock assembly, and then releases seatback lock. When seatback lock is released, seatback folds down by repulsion of spring in seatback.

< SYSTEM DESCRIPTION >

When third seatback folds down, seatback angle limit switch turns ON, and seatback power return control units judges that third seatback is in the folded down status (folding down position). When third seat fold switch is pressed in the direction of folding up, seatback power return control unit 3. supplies power supply to power return motor and sounds return operation start buzzer. Power return motor, which is supplied power from seatback power return control unit, rotates to the folding

up direction, and operates third seat return operation via sector gear. When sector gear starts to rotate in the folding up direction, sector gear position limit switch tuns ON, and seatback power return control unit judges that sector gear is in a position other than the initial position.

- 4. When third seat folds up to the return complete position, seatback angle limit switch turns OFF, and seatback power return control unit sounds return completion buzzer and stops power return motor. When power return motor is stopped, after 0.2 seconds, seatback power return control unit rotates power return motor in the reverse direction so that sector gear returns to the initial position.
- 5. When sector gear returns to the initial position according to the reverse rotation of power return motor, sector gear position limit switch turns OFF and seatback power return control unit stops the reverse rotation of power return motor, and the return operation is complete.

NOTE:

 When third seat fold switch is released during return operation (sector gear position limit switch and seatback angle limit switch are in the ON position), seatback power return control unit detects third seat fold switch OFF signal, rotates power return motor in the reverse direction, and then returns third seatback to the folded down position.

When third seat fold switch is pressed again during reverse operation, return operation restarts.

· When battery cable is disconnected from battery terminal while sector gear is in a position other than the initial position (sector gear position limit switch is in the ON position), and then when battery cable is connected again to battery terminal, sector gear returns to the initial position.

Anti-Pinch Function

Н When signal change from motor sensor is detected during third seatback return operation, due to foreign material trapping, seatback power return control unit sounds buzzer, stops power return motor, and rotates power return motor in the reverse direction after 0.2 seconds. Third seatback returns to the folded down position.

Sector Gear Reverse Starting Condition

Sector gear rotates in the reverse direction when any of the following conditions is satisfied.

- Third seatback return operation is complete (seatback angle limit switch: OFF)
- Third seat fold switch is released before return operation is complete
- Trapping is detected
- Lock status of power return motor is detected
- Third seatback return operation is not complete within 60 seconds
- Battery voltage malfunction is detected during return operation
- Battery voltage returns to normal after battery voltage malfunction is detected during return operation
- Sector gear position limit switch does not turn from OFF to ON within the specified number of times of motor L pulse from the start of return operation

The reverse rotation operation stops when any of the following conditions is satisfied.

- Sector gear initial position (sector gear position limit switch: OFF)
- Lock status of power return motor is detected (lock during reverse rotation operation)
- The sector gear initial position is not completed within 60 seconds

Consumption Electricity Control System

Ν Seatback power return control unit controls electric power so that electric power consumption can be reduced according to the vehicle condition.

Low Electric Power Consumption Mode

The system shifts to low electric power consumption mode when all the following conditions are satisfied.

- Third seat fold switch is OFF
- Power return motor is not in operation
- When the condition that the vehicle speed is 2 km/h (1 MPH) or less continues for 30 seconds or more

The system releases low electric power consumption mode when any of the following conditions is satisfied.

- When third seat fold switch is pressed
- When the change occurs to the pulse of vehicle speed sensor

For low electric power consumption mode, the following functions are available.

Power supply for sector gear position limit switch and seatback angle limit switch is turned OFF

Power supply for motor sensor is turned OFF when power return motor is not in operation

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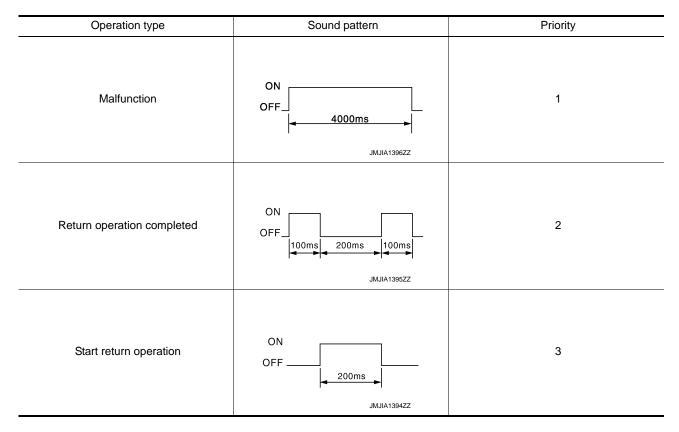
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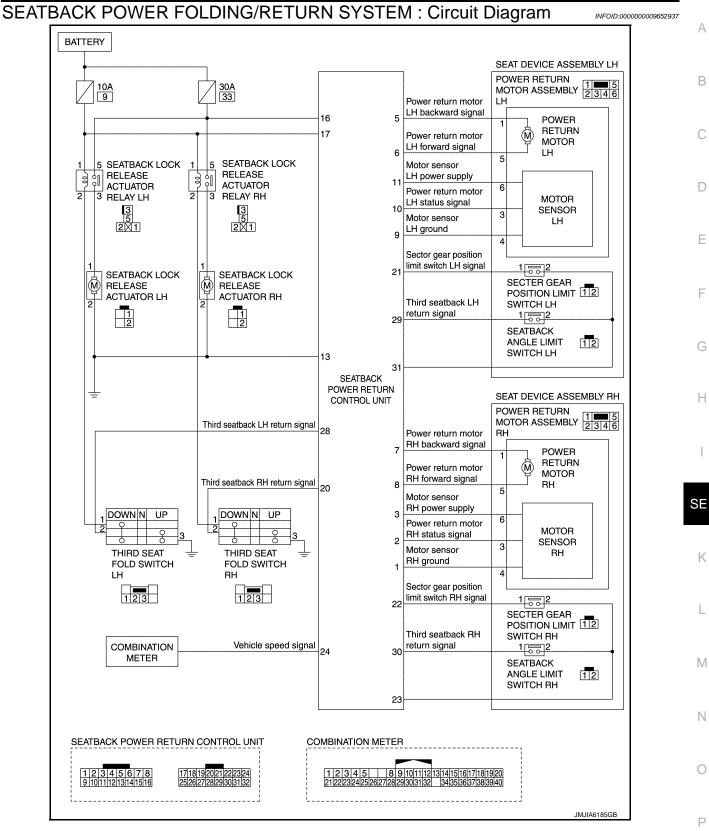
< SYSTEM DESCRIPTION >

Buzzer Operation Pattern And Order Priority

Seatback power return control unit sounds a buzzer according to third seatback return operation status. When buzzer sounding conditions are satisfied at the same time, the highest buzzer pattern are as described in the following table.



< SYSTEM DESCRIPTION >



SEATBACK POWER FOLDING/RETURN SYSTEM : Fail-safe

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Even if the automatic return control is inactivated, the fold-down and manual return operations can be performed.

< SYSTEM DESCRIPTION >

Malfunction items	Fail-safe in operation
Seatback angle limit switch stays in the "ON" position	Seatback power return control unit judges that power return motor and gear are locked during operation because the return complete position of third seatback cannot be recognized. Seatback power return control unit operates power return motor in the reverse rotation.
Seatback angle limit switch stays in the "OFF" position	Seatback power return control unit recognizes that third seatback is in the return com- plete position. Third seatback does not operate when third seat fold switch is operated in the following up direction.
Sector gear position limit switch stays in the "ON" position	Seatback power return control unit recognized that sector gear is locked during opera- tion and stops power motor operation. Operation of seatback power return system is in- hibited when the above status is recognized continuously 4 times.
Sector gear position limit switch stays in the "OFF" position	When sector gear position limit switch does not turn ON after seatback power return op- eration is started, seatback power return control unit judges that sector gear is locked and operates power return motor in the reverse operation.
Motor sensor malfunction (High, Low, or Fixed)	When pulse does not indicate any change after motor starts to operate, seatback power return control unit judges that motor sensor is malfunctioning and returns sector gear to the initial position.

SEATBACK POWER RETURN CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION SEATBACK POWER RETURN CONTROL UNIT

Reference Value

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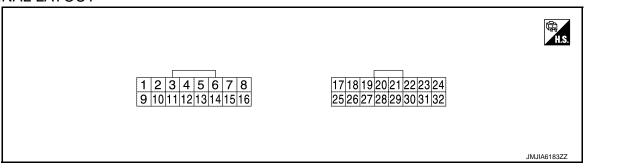
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TERMINAL LAYOUT



PHYSICAL VALUES

Termir (Wire		Description		Condition	Value
(+)	(—)	Signal name	Input/ Output	Condition	value
1 (B/W)	Ground	Ground [Motor sensor (RH)]	_	_	_
2 (R)	Ground	Motor sensor (RH) input signal	Input	When the power return motor (RH) is operated	(V) 6 4 2 0 10 ms JMKIA0070GB
			When the pinch occurs	The above pulse width should be expanded	
3 (R/B)	Ground	Power supply [Motor sensor (RH)]	Output	When the power return motor is op- erated	9 – 16 V
5 (L/W)	Ground	Ground Power return motor (LH)	Output	When the power return motor (LH) performs reverse operation	9 – 16 V
		backward signal		Other than the above	0 – 0.5 V
6	Ground	Power return motor (LH)	Output	When the power return motor (LH) performs return operation	9 – 16 V
(Y)		forward signal		Other than the above	0 – 0.5 V
7 (G)	Ground	Power return motor (RH)	Output	When the power return motor (RH) performs reverse operation	9 – 16 V
	backward signal			Other than the above	0 – 0.5 V
8 (B/Y)	Ground	Power return motor (RH)	Output	When the power return motor (RH) performs return operation	9 – 16 V
(0/1)		forward signal		Other than the above	0 – 0.5 V
9 (R/W)	Ground	Ground [Motor sensor (LH)]		_	_

SEATBACK POWER RETURN CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

(+) (-) Signal name Input/ Output 10 (L/W) Ground Motor sensor (LH) input signal Input When the power return motor (LH) is operated Imput	Termin (Wire		Description		Condition	Value	
10 (LW) Ground Motor sensor (LH) input signal Input When the power return motor (LH) is operated Imput sensor (LH) is (Motor sensor (LH)) Imput (Motor sensor (LH)) The above pulse with should be expanded 11 (Y/R) Ground Power supply (Motor sensor (LH)) Output When the power return motor is op erated 9 – 16 V 13 (GW) Ground Forum 4 — — — 16 (BW) Ground Battery power supply Input — 9 – 16 V 17 (CG) Ground System power supply Input — 9 – 16 V 20 (Y) Ground System power supply Input Third sear fold switch (RH) in return position 0 – 0.5 V 20 (BW) Ground Sector gear position limit switch (LH) input signal Input When the above 0 – 0.5 V 21 (BW) Ground Sector gear position limit switch (RH) input signal Input When the sector gear (RH) is in the initial position (other than low power consumption mode) 9 – 16 V 22 (BW) Ground Ground (CH) input signal Input When the backs approx.40 (BW) 0 – 0.5 V 23 (GO) Ground Third sear fold switch (LH) Input	(+)	(-)	Signal name	•	Condition	value	
$\begin{array}{ c c c c c c } \hline \begin{array}{ c c c c c } \hline \begin{array}{ c c c } \hline \end{array} \\ \hline \begin{array}{ c c c } \hline \end{array} \\ \hline \begin{array}{ c c c } \hline \end{array} \\ \hline \begin{array}{ c c c } \hline \end{array} \\ \hline \begin{array}{ c c c } \hline \end{array} \\ \hline \begin{array}{ c c c } \hline \end{array} \\ \hline \begin{array}{ c c } \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{ c c } \hline \end{array} \\ \hline \begin{array}{ c c } \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{ c c } \hline \end{array} \\ \hline \begin{array}{ c c } \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{ c } \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{ c } \hline \end{array} \\ \hline \begin{array}{ c } \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{ c } \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \begin{array}{ c } \hline \end{array} \\ \hline \begin{array}{ c } \hline \end{array} \\ \end{array} \\$		Ground		Input		6 4 2 0 •••••••••••••••••••••••••••••••••	
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $		Ground	Ground	_	_	_	
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20 (Y) Ground Third sear fold switch (RH) Input position 0 - 0.5 V 21 (BW) Ground Sector gear position limit switch (LH) input signal Input Input When the sector gear (LH) is in the initial position (other than low power consumption mode) 9 - 16 V 22 (SB) Ground Sector gear position limit switch (RH) input signal Input Input When the sector gear (RH) is in the initial position (other than low power consumption mode) 9 - 16 V 23 (B/O) Ground Sector gear position limit switch (RH) Input Input When the sector gear (RH) is in the initial position (other than low power consumption mode) 9 - 16 V 23 (B/O) Ground Ground [Limit switch (RH)] — — — 24 (LO) Ground Vehicle speed signal Input When vehicle speed is approx.40 m/m (25MPH) 0 • 28 (G/O) Ground Third sear fold switch (LH) Input Third sear fold switch (LH) in return position 0 - 0.5 V 29 (O) Ground Seatback angle limit switch (LH) input signal Input Third sear fold switch (LH) is in the return completion position (other than low power consumption mode) 9 - 16 V 29 (O) Ground Seatback angle limit switch (RH) input signal Input Input When the third seatback (RH) is in the return completion position (other		Ground	System power supply	Input	_	9 – 16 V	
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$ \begin{array}{ c c c c } \hline 23 \\ (B/O) \hline Ground \hline [Limit switch (RH)] \hline - & - & - & - \\ \hline 24 \\ (L/O) \hline 24 \\ (L/O) \hline 30 \hline Ground \hline Vehicle speed signal \hline Input \hline Vehicle speed is approx.40 \hline 10 \hline 20 \ ms \hline 2$		Ground		Input	initial position (other than low power	9 – 16 V	
$ \begin{array}{ c c c c } \hline (B/O) & Ground & [Limit switch (RH)] & - & - & - & - & - & - & - & - & - & $					Other than the above	0 – 0.5 V	
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29 (O) Ground Seatback angle limit switch (LH) input signal Input When the third seatback (LH) is in the return completion position (other than low power consumption mode) 9 – 16 V 30 (BR/W) Ground Seatback angle limit switch (RH) input signal Input When the third seatback (RH) is in the return completion position (other than low power consumption mode) 9 – 16 V		Ground		Input		0 – 0.5 V	
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30 (BR/W)GroundSeatback angle limit switch (RH) input signalInputthe return completion position (other than low power consumption mode)9 – 16 V					Other than the above	Other than the above	0 – 0.5 V
Other than the above $0 - 0.5 V$		Ground		Input	the return completion position (other	9 – 16 V	
					Other than the above	0 – 0.5 V	

SEATBACK POWER RETURN CONTROL UNIT

< ECU DIAGNOSIS INFORMATION >

Terminal No. (Wire color)		Llocorintion		Condition	Value	А
(+)	()	Signal name	Input/ Output	Condition	value	
31 (W/R)	Ground	Ground [Limit switch (LH)]	—	_	_	В
32 (L/W)	Ground	Ground	_	_	_	С

Fail-safe

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Even if the automatic return control is inactivated, the fold-down and manual return operations can be performed.

Malfunction items	Fail-safe in operation
Seatback angle limit switch stays in the "ON" position	Seatback power return control unit judges that power return motor and gear are locked during operation because the return complete position of third seatback cannot be recognized. Seatback power return control unit operates power return motor in the reverse rotation.
Seatback angle limit switch stays in the "OFF"position	Seatback power return control unit recognizes that third seatback is in the return com- plete position. Third seatback does not operate when third seat fold switch is operated in the following up direction.
Sector gear position limit switch stays in the "ON" position	Seatback power return control unit recognized that sector gear is locked during opera- tion and stops power motor operation. Operation of seatback power return system is in- hibited when the above status is recognized continuously 4 times.
Sector gear position limit switch stays in the "OFF" position	When sector gear position limit switch does not turn ON after seatback power return op- eration is started, seatback power return control unit judges that sector gear is locked and operates power return motor in the reverse operation.
Motor sensor malfunction (High, Low, or Fixed)	When pulse does not indicate any change after motor starts to operate, seatback power return control unit judges that motor sensor is malfunctioning and returns sector gear to the initial position.

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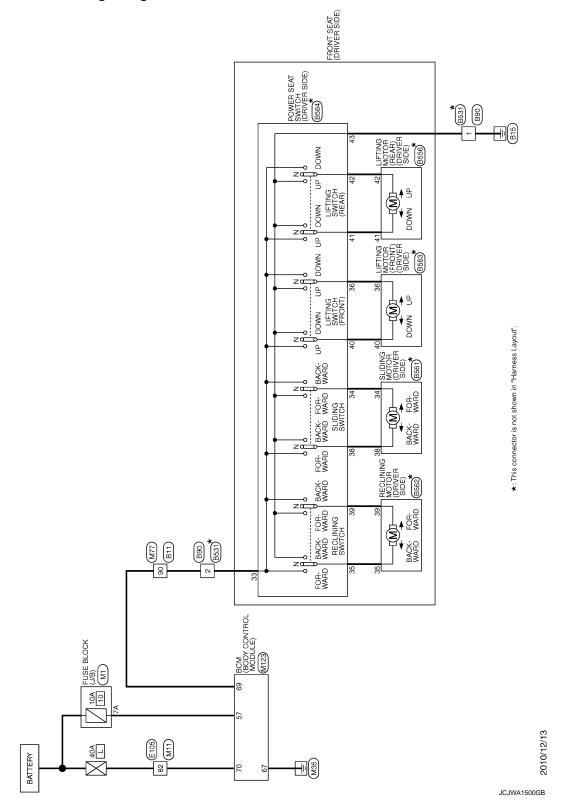
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< WIRING DIAGRAM >

WIRING DIAGRAM POWER SEAT CONTROL SYSTEM DRIVER SIDE

DRIVER SIDE : Wiring Diagram



POWER SEAT FOR DRIVER SIDE

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POWER SEAT CONTROL SYSTEM

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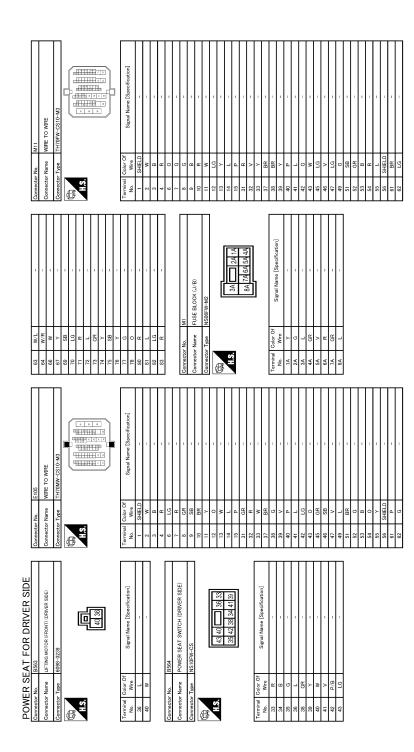
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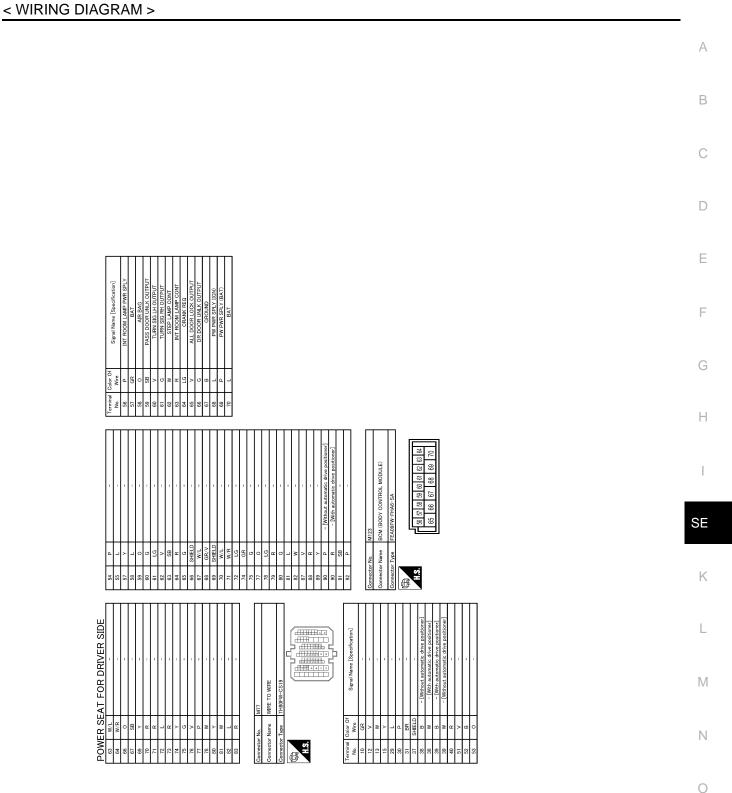
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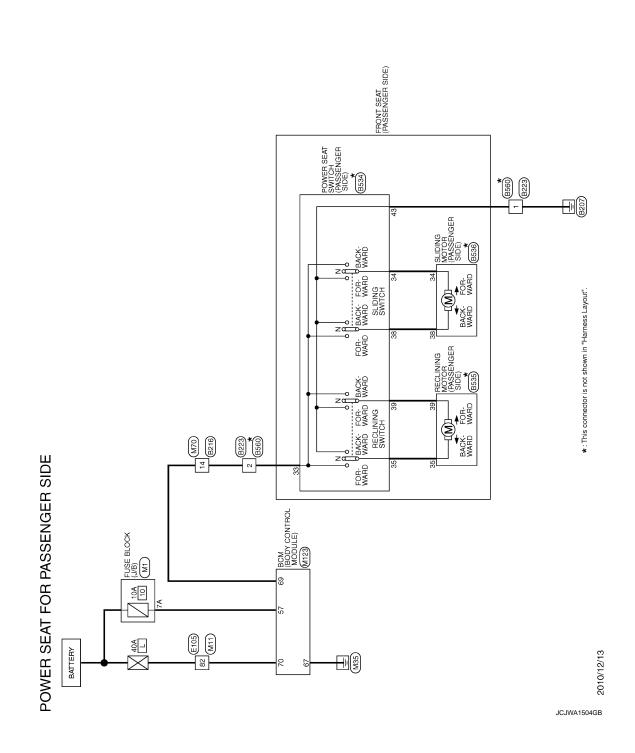
PASSENGER SIDE

POWER SEAT CONTROL SYSTEM

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PASSENGER SIDE : Wiring Diagram

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Connector No. Connector Name Connector Type	1 1
Connector No. 8536 Connector Name Su.DNG MOTOR (PASERNGER SIDE) Connector Type 6098-3193	Terminal Californial No. Wine Supul Name (Sacrification) No. ERG Supul Name (Sacrification) Democratic Name ERG Supul Name (Sacrification) Democratic Name ERG Name Marcel Name ERG Supul Name (Sacrification) Democratic Name ERG Supul Name (Sacrification)
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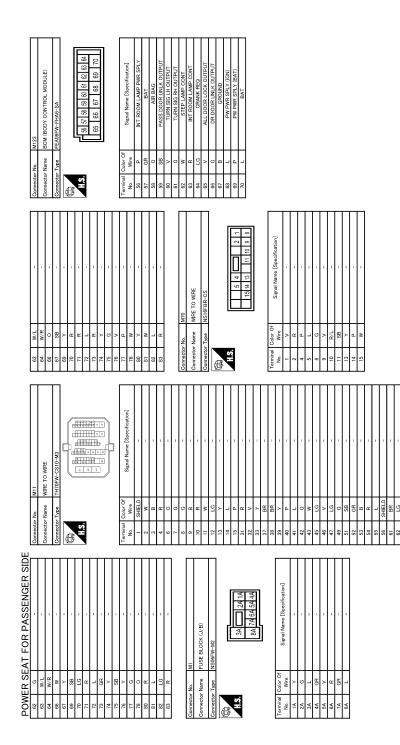
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LUMBAR SUPPORT SYSTEM

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Wiring Diagram

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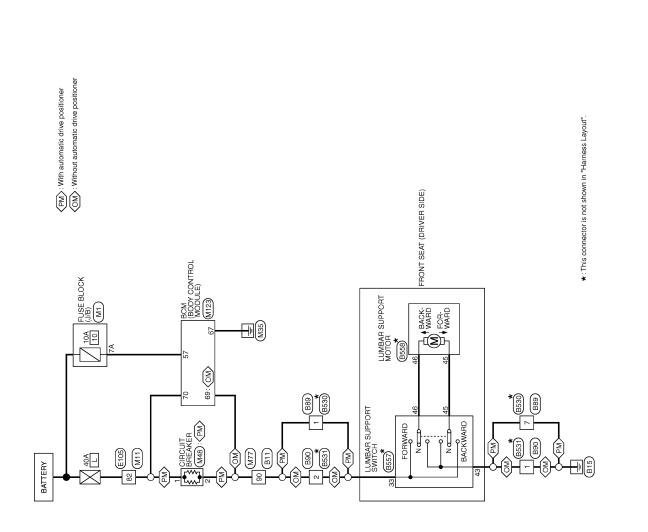
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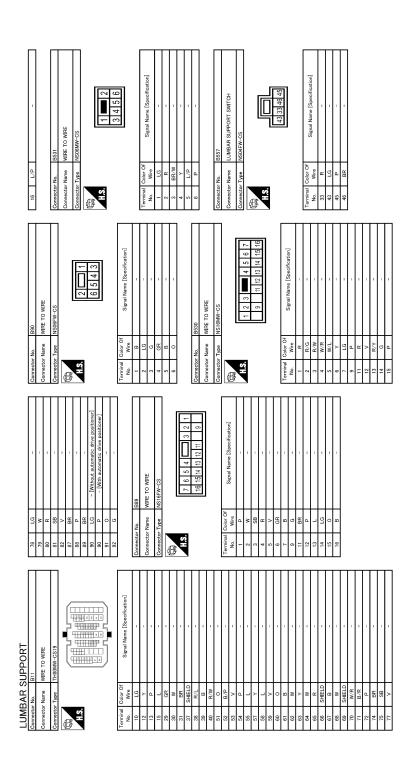
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Revision: 2014 May

2010/12/13

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LUMBAR SUPPORT SYSTEM

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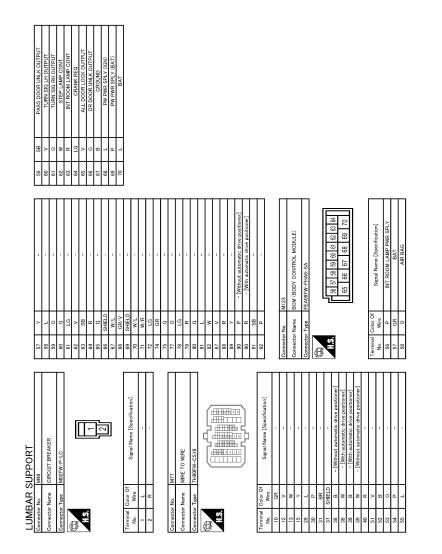
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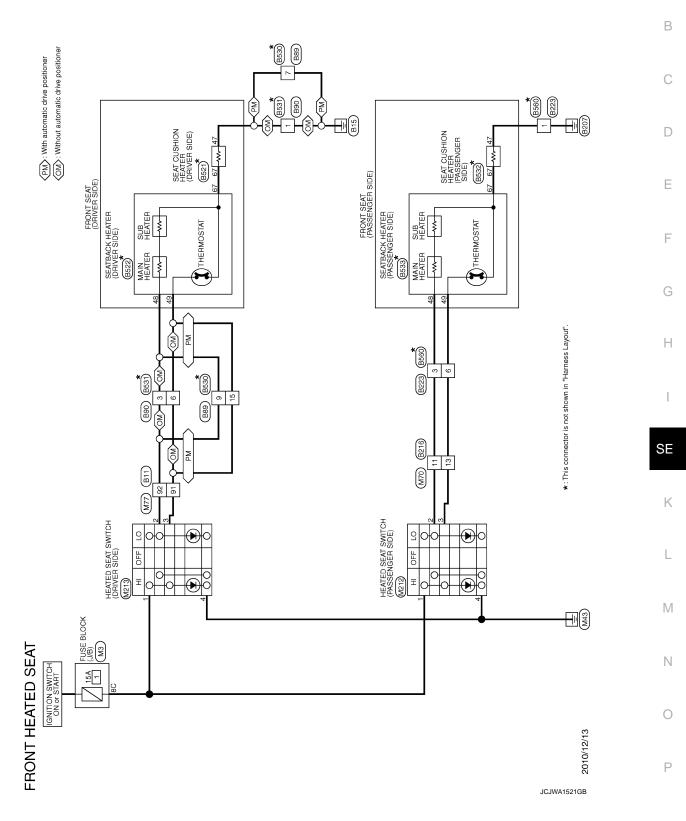


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< WIRING DIAGRAM >

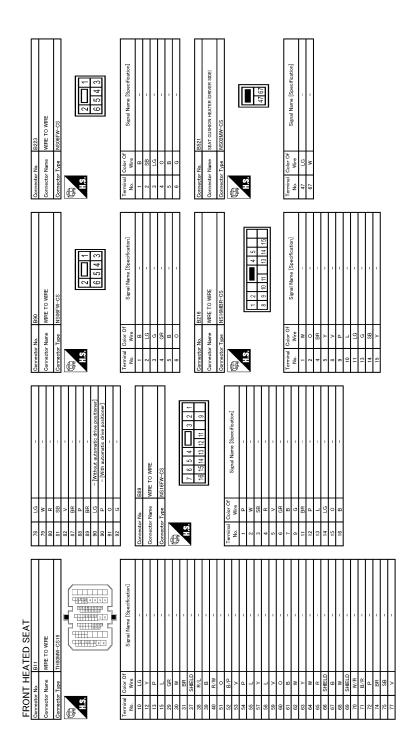
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Wiring Diagram



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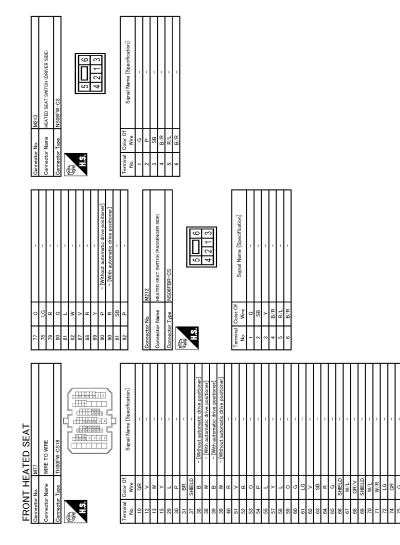
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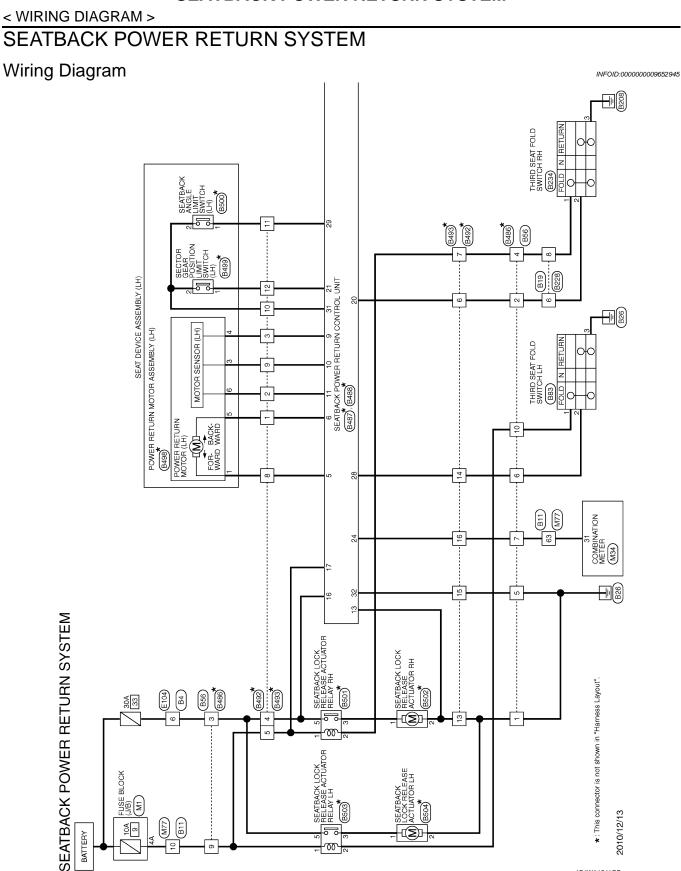
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SEATBACK POWER RETURN SYSTEM



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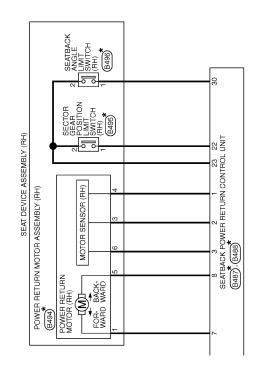
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SEATBACK POWER RETURN SYSTEM Connector Name MRE TO WRE Connector Name MRE TO WRE Connector Name MRE TO WRE Connector Name MRE TO WRE MRE TO MRE MRE TO MRE TO MRE MRE TO MRE TO MRE MRE TO MRE TO MRE TO MRE MRE TO MRE	15 29 33 33 39 55 55 53	Connector Name WIRE TO WIRE Connector Name WIRE TO WIRE Connector Type WS0BFW-CS	Oommeter No. B83 Oommeter Name HartD SEAT FOLD SWITCH LH Demonstrate THRD SEAT FOLD SWITCH LH Demonstrate TMORW-1V TODER TODERW-1V TABLE TODERW-1V
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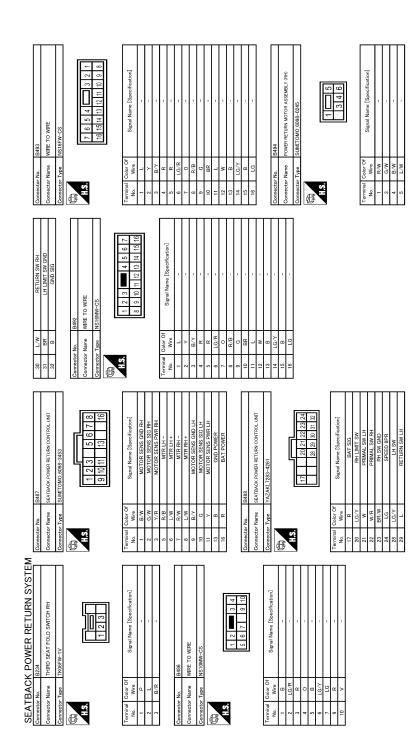
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SEATBACK POWER RETURN SYSTEM < WIRING DIAGRAM >



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SEATBACK POWER RETURN SYSTEM a vn a vn vn a cometor Nim astron can provide the posterior of the poster	L
B495 Event Reference Event Signal Name [Specification] Signal Name [Specification]	Μ
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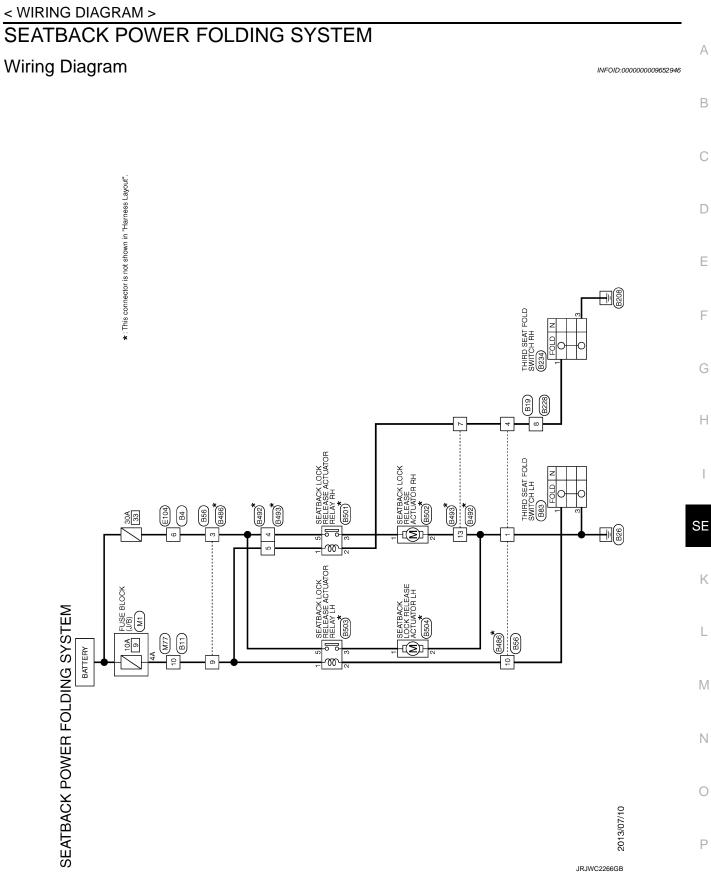
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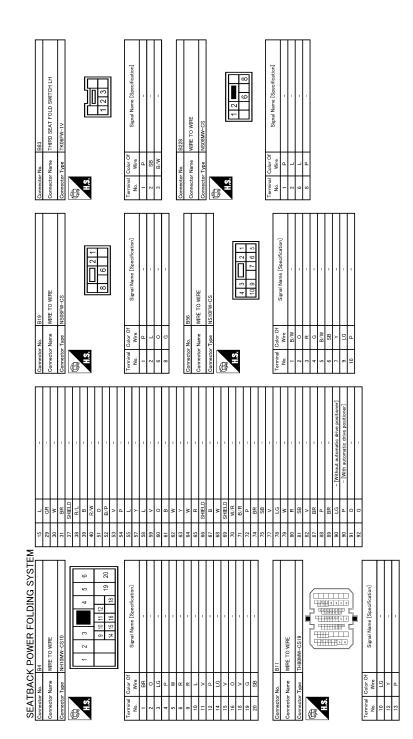
SEATBACK POWER	R RETURN SYSTEM									
Connector No. B504		Conner	Connector No.	M1	16	-	ENGINE COOLANT TEMPERATURE SIGNAL	54	٩	1
		,			8	LG	AMBIENT SENSOR SIGNAL	55	L	-
CONNECTOR NAME SEALBACK LUC	SEATBACK LUCK HELEASE ACTUATUR LH		Connector Name		19	œ	A/C AUTO AMP. CONNECTION RECOGNITION SIGNAL	57	Y	1
Connector Type YAZAKI_7123-6040	-6040	Conne	Connector Type	NS06FW-M2	20	Y	AMBIENT SENSOR GROUND	58	٦	1
¢		4			21	_	CAN-H	59	0	
ľ		ß			22	٩	CAN-L	99	5	1
	Ę		e		23	в	GROUND	61	LG	1
11.36		Ì	5		24	в	FUEL LEVEL SENSOR GROUND	62	V	1
	-1			0 × 7 A 6 A 5 A 4 A	25	BR	ALTERNATOR SIGNAL	63	SB	1
	2			The second se	26	BR	PARKING BRAKE SWITCH SIGNAL	64	R	1
]	27	Y	BRAKE FLUID LEVEL SWITCH SIGNAL	65	9	-
					28	>	SECURITY SIGNAL	99	SHIELD	-
Terminal Color Of Sign	Signal Name [Snecification]	Terminal	0	f Signal Name [Snecification]	29	0	WASHER LEVEL SWITCH SIGNAL	67	W/L	-
		No.	Wire		31	SB	VEHICLE SPEED SIGNAL (8-PULSE)	68	GR/V	-
1 R	-	1A	>	-	32	۵.	OVERDRIVE CONTROL SWITCH SIGNAL	69	SHIELD	-
2 B	-	2A	σ	-	34	0	FUEL LEVEL SENSOR SIGNAL	70	W/L	-
		3A	-	-	35	٩	SEAT BELT BUCKLE SWITCH SIGNAL (DRIVER SIDE)	71	W/R	-
		4∧	GR		36	BR	PASSENGER SEAT BELT WARNING SIGNAL	72	LG	
Connector No. E104		5A	>	-				74	GR	-
Connector Name WIDE TO WIDE		6A	ж	-				75	G	-
		7A	GR	1	Connec	Connector No.	M77	11	0	1
Connector Type NH10FW-CS10	0	8A		1			MER TO MER	78	ГG	
					Connec	ctor Name		6/	œ	1
					Connec	Connector Type	TH80FW-CS19	80	σ	
3	, , ,	Connei	Connector No.	M34				8	ſ	
	,]				ł			83	M	
_	12 11 10 9	Conner	Connector Name	COMBINATION METER		0		87	>	1
20 19	18 15 14	Connei	Connector Type	TH40FW-NH	21	5		8	œ	1
	2	[68	Y	1
		ß						06	٩	 [Without automatic drive positioner]
al Color Of	[C.					06	۳	 [With automatic drive positioner]
No. Wire old		÷	5]	91	SB	1
1 1	-			3 4 5 8 10 11 12 13	Terminal	0	Sinnel Name [Casaiffortion]	92	Р	-
2 GR	1			85	°N N	Wire	Filosophicado autoriado			
3 BR	-				10	GR	-			
4 L	-				12	>	-			
8		Terminal	0	f Signal Name [Snecification]	13	>				
6 LG		No	>	P	15	>				
7 6	1	-	0	BATTERY POWER SUPPLY	29		1			
10 L	-	2	~	IGNITION SIGNAL	8	۵.	-			
11 P	-	e	8	GROUND	31	BR	-			
12 V	-	4	8	GROUND	37	SHIELD	-			
14 LG	-	2	B/P	ILLUMINATION CONTROL SIGNAL	38	B	 [Without automatic drive positioner] 			
15 V	-	8	SB	TRIP RESET SWITCH SIGNAL	38	W	 [With automatic drive positioner] 			
16 W	-	10	٩	METER CONTROL SWITCH GROUND	39	B	 [With automatic drive positioner] 			
	-	F		ENTER SWITCH SIGNAL	39	2	- [Without automatic drive positioner]			
19 SB	-	12	BR	SELECT SWITCH SIGNAL	40	н	-			
20 V	-	13	>	ILLUMINATION CONTROL SWITCH SIGNAL (+)	5	>	-			
		14	+	ILLUMINATION CONTROL SWITCH SIGNAL (-)	52					
		15	BR	AIR BAG SIGNAL	53	0	1			

JRJWC2265GB

< WIRING DIAGRAM >

SEATBACK POWER FOLDING SYSTEM





JRJWC2267GB

	А
eelfeation]	В
Signal Name (Specification) Signal Name (Specification) Signal Name (Specification) Signal Name (Specification) Signal Name (Specification)	С
Terminal I Color Of Wire 1 0 2 8 2 9 2 9 2 9 2 1 1 1 1 1 1 1 1 1 1 1 2 2 3 1 1 1 1 1 1 1 1 1	D
	E
B90 Sgrad Name (Specification) Sgrad Name (Specification	F
5 C R 7 0 1 7 0 1 10 1 1 11 1 1 13 1 1 14 L0 1 15 1 1 16 1 1 17 1 1 18 0 0 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <	G
0 MRE 00 MRE 00 CS 00 CS 01 1 12 3 1 2 3 01 1 12 3 1 2 3 01 1 12 3 1 2 3 01 1 12 3 1 2 3 1 2 3 1 2 3 1 3 1 13 1 3 2 1 1 4 5 6 1 5 5 1 5 5 1 6 5 1 6 5 1 1 13 1 13 1 14 1 15 1 15 1 15 1 15 1 15 1 15	I
	SE
Commetton Commetton N N N N N N N N N N N N N	K
VER FOLDING SYSTI CAT FOLD SWITCH RH CAT FOLD SWITCH RH CAT FOLD SWITCH RH NU CA Skural Name [Sseedfication] Cat Cat Cat Cat Cat Cat Cat Cat Cat Cat	L
	Μ
SEATBACK FOWEF Connector Name Connector Name THIPD SEAT IN Connector Name THIPD SEAT IN Connector Name THIPD SEAT IN Connector Name THIPD SEAT IN Connector Name Name THIPD SEAT IN Connector Name THIPD SEAT IN	Ν

SEATBACK POWER FOLDING SYSTEM

Revision: 2014 May

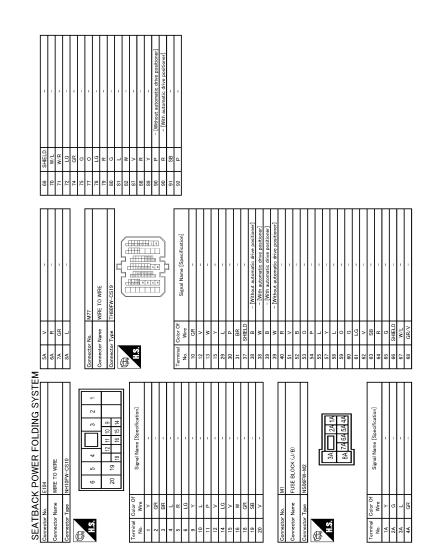
< WIRING DIAGRAM >

2014 **QUEST**

JRJWC2268GB

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JRJWC2269GB

< BASIC INSPECTION >	
BASIC INSPECTION	А
DIAGNOSIS AND REPAIR WORK FLOW	Λ
Work Flow	В
DETAILED FLOW	
1. OBTAIN INFORMATION ABOUT SYMPTOM	С
Interview the customer to obtain the malfunction information (conditions and environment when the malfunc- tion occurred) as much as possible when the customer brings the vehicle in.	D
>> GO TO 2.	
2. REPRODUCE THE MALFUNCTION INFORMATION	Е
Check the malfunction on the vehicle that the customer describes. Inspect the relation of the symptoms and the condition when the symptoms occur.	F
>> GO TO 3.	I
3. IDENTIFY THE MALFUNCTIONING SYSTEM WITH "SYMPTOM DIAGNOSIS"	G
Use "Symptom diagnosis" from the symptom inspection result in step 2 and then identify where to start per- forming the diagnosis based on possible causes and symptoms.	
>> GO TO 4.	Н
4. IDENTIFY THE MALFUNCTIONING PARTS WITH "DTC/CIRCUIT DIAGNOSIS"	
Perform the diagnosis with "DTC/CIRCUIT DIAGNOSIS" of the applicable system.	I
>> GO TO 5.	SE
5. REPAIR OR REPLACE THE MALFUNCTIONING PARTS	SE
Repair or replace the specified malfunctioning parts.	К
>> GO TO 6.	
6.FINAL CHECK	
Check that malfunctions are not reproduced when obtaining the malfunction information from the customer, referring to the symptom inspection result in step 2.	
Are the malfunctions corrected? YES >> INSPECTION END	M
NO $>>$ GO TO 3.	
	Ν
	_
	0

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS POWER SUPPLY AND GROUND CIRCUIT

Diagnosis Procedure

INFOID:000000009652948

1.CHECK FUSE

Check that the following fuses are not fusing.

Signal name	Fuse No.
Battery power supply	9 (10 A)
Dattery power suppry	33 (30 A)

Is the inspection result normal?

YES >> GO TO 2.

NO >> Replace the blown fuse after repairing the affected circuit.

2. CHECK POWER SUPPLY

1. Turn ignition switch OFF.

- Disconnect seatback power return control unit connector and seatback lock release actuator relay (LH and RH) connector.
- 3. Check voltage between seatback power return control unit harness connector and ground.

	+)		
Seatback power	return control unit	(–)	Voltage (V)
Connector	Terminal		
B487	16	Ground	9 – 16
B488	17	Ground	9 - 10

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

$\mathbf{3.}$ CHECK GROUND CIRCUIT

Check continuity between seatback power return control unit harness connector and ground.

Seatback power	return control unit		Continuity
Connector	Terminal	Ground	Continuity
B487	13		Existed
B488	32		Existed

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

		INFOID:000000009652949
		NN 012.00000000000000000000000000000000000
lure".		
		INF01D:000000009652950
UND CIRCUIT		
r. (I H) barness conne	ector and around	
		·
		Continuity
Ground		
		Existed
URN SIGNAL		
arness connector ar	nd ground.	
		Voltage (V)
		voltage (v)
Ground		4.7 – 5.3
CUIT 1		
connector.		
in control unit harnes	ss connector and	d third seat fold switch
	()	Continuity
Connector Terminal		
D02	2	Existed
B83		d around
B83 In control unit harnes	ss connector and	d ground.
	ss connector and	
	ss connector and	d ground.
n control unit harnes	ss connector and	
	UND CIRCUIT r. (LH) harness conne Ground URN SIGNAL arness connector ar (-) Ground CUIT 1 connector. n control unit harnes	UND CIRCUIT r. (LH) harness connector and ground Ground URN SIGNAL arness connector and ground. (-) Ground CUIT 1

< DTC/CIRCUIT DIAGNOSIS >

4.CHECK THIRD SEAT FOLD SWITCH (LH) FOLD SIGNAL

Check voltage between third seat fold switch (LH) harness connector and ground.

	(+)		
Third seat fo	old switch (LH)	(-)	Voltage (V)
Connector	Terminal		
B83	1	Ground	9 – 16

Is the inspection result normal?

YES >> GO TO 9.

NO >> GO TO 5.

5. CHECK THIRD SEAT FOLD SWITCH (LH) CIRCUIT 2

1. Disconnect seatback lock release actuator relay (LH) connector.

 Check continuity between seatback lock release actuator relay (LH) harness connector and third seat fold switch (LH) harness connector.

Seatback lock release actuator relay (LH)		Third seat fo	ld switch (LH)	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B503	2	B83	1	Existed

3. Check continuity between third seat fold switch (LH) harness connector and ground.

Third seat fo	ld switch (LH)		Continuity
Connector	Terminal	Ground	Continuity
B83	1		Not existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

6.CHECK THIRD SEAT FOLD SWITCH (LH) CIRCUIT 3

Check voltage between seatback lock release actuator relay (LH) harness connector and ground.

(+)		
Seatback lock release	se actuator relay (LH)	(-)	Voltage (V)
Connector	Terminal		
B503	1	Ground	9 – 16

Is the inspection result normal?

YES >> GO TO 8. NO >> GO TO 7.

7.CHECK FUSE

Check 10 A fuse [#9, located fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 10.

NO >> Replace the blown fuse after repairing affected circuit.

8.CHECK SEATBACK LOCK RELEASE ACTUATOR RELAY (LH)

Check seatback lock release actuator relay (LH).

Refer to SE-53. "Component Inspection (Seatback Lock Release Actuator Relay)".

Is the inspection result normal?

YES >> GO TO 10.

NO >> Replace seatback lock release actuator relay (LH).

9.CHECK THIRD SEAT FOLD SWITCH (LH)

	THIRD S	EAT FOLD SWITCH		
< DTC/CIRCUIT DIAGNO	SIS >			
Check third seat fold switc Refer to <u>SE-53, "Compone</u>		Seat Fold Switch)"		
Is the inspection result nor				
YES >> GO TO 10.		5 (
NO >> Replace third 10.CHECK INTERMITTE		. Refer to <u>SE-136, "Remova</u>	al and Installation	<u> </u>
Refer to <u>GI-42, "Intermitter</u>	<u>it inclaent"</u> .			
>> INSPECTION	END			
RH				
RH: Component Fu	nction Check			INFOID:000000009652951
1. CHECK FUNCTION				
Check that the third seat for	old switch (RH) oper	ation.		
Is the inspection result nor				
YES >> INSUPECTION NO >> Refer to SE-5	N END 1, "RH : Diagnosis P	rocedure"		
RH : Diagnosis Proce	-	<u>locedule</u> .		
_				INFOID:000000009652952
1. CHECK THIRD SEAT F	OLD SWITCH (RH)	GROUND CIRCUIT		
 Turn ignition switch Ol Disconnect third seat the seat of the se		noctor		
		witch (RH) harness connect	or and ground.	
	fold switch (RH)			
Connector	Terminal	Ground	(Continuity
B234	3			Existed
Is the inspection result nor	mal?			
YES >> GO TO 2. NO >> Repair or repla	ace harness			
2.CHECK THIRD SEAT F		RETURN SIGNAI		
		RH) harness connector and	around.	
		,	3 • • •	
Third cost	(+) fold quaitab (DH)			
Connector	fold switch (RH) Terminal	(-)	v	oltage (V)
B234	2	Ground		4.7 – 5.3
Is the inspection result nor	mal?			
YES >> GO TO 4.				
NO >> GO TO 3. 3				
3.CHECK THIRD SEAT F				
 Disconnect seatback p Check continuity betw (RH) harness connect 	een seatback power	unit connector. return control unit harness	connector and th	ird seat fold switch
Seatback power ret	urn control unit	Third seat fold swite	ch (RH)	
Connector	Terminal	Connector	Terminal	Continuity

 B488
 20
 B234
 2
 Existed

3. Check continuity between seatback power return control unit harness connector and ground.

< DTC/CIRCUIT DIAGNOSIS >

Seatback power	return control unit		Continuity
Connector	Terminal	Ground	Continuity
B488	20		Not existed

Is the inspection result normal?

YES >> Replace rear power return control unit. Refer to <u>SE-139</u>, "Removal and Installation".

NO >> Repair or replace harness.

4.CHECK THIRD SEAT FOLD SWITCH (RH) FOLD SIGNAL

Check voltage between third seat fold switch (RH) harness connector and ground.

	(+)		
Third seat f	old switch (RH)	()	Voltage (V)
Connector	Terminal		
B234	1	Ground	9 – 16

Is the inspection result normal?

YES >> GO TO 9.

NO >> GO TO 5.

5.CHECK THIRD SEAT FOLD SWITCH (RH) CIRCUIT 2

- 1. Disconnect seatback lock release actuator relay (RH) connector.
- 2. Check continuity between seatback lock release actuator relay (RH) harness connector and third seat fold switch (RH) harness connector.

Seatback lock releas	se actuator relay (RH)	Third seat fo	ld switch (RH)	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B501	2	B234	1	Existed

3. Check continuity between third seat fold switch (RH) harness connector and ground.

Third seat fol	d switch (RH)		Continuity
Connector	Terminal	Ground	Continuity
B234	1		Not existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

$\mathbf{6}$.CHECK THIRD SEAT FOLD SWITCH (RH) CIRCUIT 3

Check voltage between seatback lock release actuator relay (RH) harness connector and ground.

	(+)		
Seatback lock relea	se actuator relay (RH)	()	Voltage (V)
Connector	Terminal		
B501	1	Ground	9 – 16

Is the inspection result normal?

YES >> GO TO 8.

7.CHECK FUSE

Check 10 A fuse [#9, located fuse block (J/B)].

Is the inspection result normal?

YES >> GO TO 10.

NO >> Replace the blown fuse after repairing affected circuit.

SE-52

< DTC/CII	RCUIT			FULD SW	ЛСП	
-			CK RELEASE ACTUATO	R RELAY (RE	1)	
			e actuator relay (RH).		·/	A
Refer to S	<u>E-53, "C</u>	Componer	t Inspection (Seatback Lo	ock Release /	Actuator Relay)".	
<u>Is the insp</u> YES >	> GO T		<u>nal?</u>			В
NO >	> Repla	ice seatba	ick lock release actuator i	relay (RH).		
			OLD SWITCH (RH)			С
Check thir Refer to S			(RH). ht Inspection (Third Seat F	Fold Switch)".		
Is the insp				<u> </u>		D
-	> GO T		eat fold switch (RH). Refe	or to SE 126	Pomoval and Installati	on"
	-		NT INCIDENT	10 <u>3L-130.</u>	<u>Removal and installation</u>	<u>оп</u> . Е
Refer to G						
						F
		ECTION E				
Compor	nent In	spectio	n (Third Seat Fold S	Switch)		INFOID:000000009652953
1. CHECK		SEAT FO	OLD SWITCH			
1. Turn i	gnition s	switch OF	F. Switch Defer to SE 126	"Domovol on	l Installation"	Н
			switch. Refer to <u>SE-136,</u> vitch terminals under the f			
	Termina	al		Condition		Continuity
					While being pressed	Existed
1		3	Third seat fold switch	FOLD	Other than the above	Not existed SE
2		5	Third Seat fold Switch	RETURN	While being pressed	Existed
la tha inan	o otiona r				Other than the above	Not existed
<u>Is the insp</u> YES >		ECTION E				
			eat fold switch.Refer to S	<u>E-136, "Rem</u>	oval and Installation".	1
Compor	nent In	spectio	n (Seatback Lock R	elease Act	uator Relay)	INFOID:000000009652954
1.CHECH	K SEATE	BACK LOO	CK ACCTUATOR RELAY			D.A.
		switch OF				M
			actuator relay. tuator relay terminals unc	der the followi	na l	
condit			, , , , , , , , , , , , , , , , , , , ,		ଁ <u>ଓ</u>	N
Tern	ninal		Condition	Continuity		
			t current supply between ter-	Existed	5	
3	5	minals 1 a Not currer		Not existed		
						2X1 P
					\cup	
						PBIB0098E

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace seatback lock actuator relay.

< DTC/CIRCUIT DIAGNOSIS >

VEHICLE SPEED SIGNAL CIRCUIT

Diagnosis Procedure

INFOID:000000009652955

1.CHECK VEHICLE SPEED SIGNAL

- 1. Start engine.
- 2. Drive the vehicle at more than 40 km/h (25 MPH). CAUTION:

Always drive vehicle at a safe speed. NOTE:

This procedure may be conducted with the drive wheels lifted in the shop or by driving the vehicle. If a road test is expected to be easier, it is unnecessary to lift the vehicle.

3. Check signal between seatback power return control unit harness connector and ground with an oscilloscope.

Seatback power	+) return control unit	()	Signal (Reference value)
Connector	Terminal		
B488	24	Ground	0 20 ms JSNIA0012GB

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK VEHICLE SPEED SIGNAL CIRCUIT

- 1. Turn ignition switch OFF.
- 2. Disconnect seatback power return control unit connector and combination meter connector.
- 3. Check continuity between seatback power return control unit harness connector and combination meter harness connector.

Seatback power	return control unit	Combina	tion meter	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B488	24	M34	31	Existed

4. Check continuity between seatback power return control unit harness connector and ground.

Seatback power	return control unit		Continuity
Connector	Terminal	Ground	Continuity
B488	24		Not existed

Is the inspection result normal?

YES >> Replace combination meter. Refer to <u>MWI-93, "Removal and Installation"</u>.

NO >> Repair or replace harness.

${\it 3.}$ CHECK INTERMITTENT INCIDENT

Refer to GI-42, "Intermittent Incident".

>> INSPECTION END

SEATBACK ANGLE LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

SEATBACK ANGLE LIMIT SWITCH

I : Diagnosis Proc	cedure			INFOID:00000
.CHECK SEATBACK A	ANGLE LIMIT SWIT	CH (LH) INPUT	SIGNAL	
. Turn ignition switch (. Disconnect seatback	OFF. (angle limit switch (l	_H) connector.) harness connector a	and ground.
	(+)			
Seatback a	angle limit switch (LH)		(—)	Voltage (V)
Connector	Termina	ıl		
B500	1		Ground	9 – 16
YES >> GO TO 3. NO >> GO TO 2.				
Disconnect seatback Check continuity bet switch (LH) harness Seatback power re Connector	c power return contro ween seatback pow connector. eturn control unit Terminal	ol unit connecto er return contro Seatbac Connector	or.	ctor and seatback ang
Disconnect seatback Check continuity bet switch (LH) harness Seatback power re Connector B488	c power return contro ween seatback pow connector. eturn control unit Terminal 29	ol unit connecto er return contro Seatbact Connector B500	or. bl unit harness conne < angle limit switch (LH) Terminal	Continuity Existed
Check continuity bet switch (LH) harness Seatback power re Connector B488 Check continuity bet Seatback po	k power return contro ween seatback pow connector. eturn control unit Terminal 29 ween seatback power ower return control unit	ol unit connecto er return contro Seatbac Connector B500 er return contro	or. of unit harness conne angle limit switch (LH) Terminal 1 of unit harness connea	Continuity Existed
Disconnect seatback Check continuity bet switch (LH) harness Seatback power re Connector B488 Check continuity bet	c power return contro ween seatback pow connector. eturn control unit Terminal 29 ween seatback pow	ol unit connecto er return contro Seatbac Connector B500 er return contro	or. ol unit harness conne k angle limit switch (LH) Terminal 1	Continuity Existed ctor and ground.
Disconnect seatback Check continuity bet switch (LH) harness Seatback power re Connector B488 Check continuity bet Seatback po Connector B488 the inspection result no YES >> Replace sea NO >> Repair or rep .CHECK SEATBACK A Disconnect seatback	connector. eturn control unit Terminal 29 ween seatback pow ower return control unit Terminal 29 ween seatback powe ower return control unit Termina 29 ormal? tback power return control colace harness. ANGLE LIMIT SWITE ween seatback powe	DI unit connecto er return contro Seatback Connector B500 er return contro I control unit. Re CH (LH) GROU	or. of unit harness conne (angle limit switch (LH) Terminal 1 of unit harness connect Ground fer to <u>SE-139, "Remo</u> JND CIRCUIT or and sector gear pos	Continuity Existed ctor and ground. Continuity Not existed
 Disconnect seatback Check continuity bet switch (LH) harness Seatback power re Connector B488 Check continuity bet Seatback po Check continuity bet Check continuity bet 	connector. ween seatback pow connector. turn control unit Terminal 29 ween seatback pow ower return control unit Termina 29 ormal? tback power return control place harness. ANGLE LIMIT SWITC ween seatback pow connector.	ol unit connecto er return contro Seatbac Connector B500 er return contro d control unit. Re CH (LH) GROU ol unit connecto er return contro	or. of unit harness conne (angle limit switch (LH) Terminal 1 of unit harness connect Ground fer to <u>SE-139, "Remo</u> JND CIRCUIT or and sector gear position of the sector gear position of th	Continuity Existed ctor and ground. Continuity Not existed wal and Installation".
 Disconnect seatback Check continuity bet switch (LH) harness Seatback power re Connector B488 Check continuity bet Seatback point Seatback point Check continuity bet Seatback point Seatback point Check continuity bet CHECK SEATBACK A Disconnect seatback Check continuity bet switch (LH) harness 	connector. ween seatback pow connector. turn control unit Terminal 29 ween seatback pow ower return control unit Termina 29 ormal? tback power return control place harness. ANGLE LIMIT SWITC ween seatback pow connector.	ol unit connecto er return contro Seatbac Connector B500 er return contro d control unit. Re CH (LH) GROU ol unit connecto er return contro	or. of unit harness conne (angle limit switch (LH) Terminal 1 of unit harness connect Ground fer to <u>SE-139, "Remo</u> JND CIRCUIT or and sector gear pos	Continuity Existed ctor and ground. Continuity Not existed wal and Installation".

Seatback power	return control unit		Continuity
Connector	Terminal	Ground	Continuity
B488	31		Not existed

Is the inspection result normal?

YES >> GO TO 4.

SEATBACK ANGLE LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness.

4.CHECK SEATBACK ANGLE LIMIT SWITCH (LH)

Check seatback angle limit switch (LH).

Refer to SE-57, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace seatback angle limit switch (LH) [reclining device assembly (LH)]. Refer to <u>SE-122.</u> <u>"Exploded View"</u>.

5.CHECK INTERMITTENT INCIDENT

Refer to GI-42, "Intermittent Incident".

>> INSPECTION END

RH

RH : Diagnosis Procedure

INFOID:000000009652957

1.CHECK SEATBACK ANGLE LIMIT SWITCH (RH) INPUT SIGNAL

1. Turn ignition switch OFF.

- 2. Disconnect seatback angle limit switch (RH) connector.
- 3. Check voltage between seatback angle limit switch (RH) harness connector and ground.

((+)		
Seatback angle	Seatback angle limit switch (RH)		Voltage (V)
Connector	Terminal		
B496	1	Ground	9 – 16

NOTE:

It is not low power consumption mode.

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.CHECK SEATBACK ANGLE LIMIT SWITCH (RH) CIRCUIT

1. Disconnect seatback power return control unit connector.

 Check continuity between seatback power return control unit harness connector and seatback angle limit switch (RH) harness connector.

Seatback power	return control unit	Seatback angle	limit switch (RH)	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B488	30	B496	1	Existed

3. Check continuity between seatback power return control unit harness connector and ground.

Seatback power	return control unit		Continuity
Connector	Terminal	Ground	Continuity
B488	30		Not existed

Is the inspection result normal?

YES >> Replace seatback power return control unit. Refer to <u>SE-139, "Removal and Installation"</u>.

NO >> Repair or replace harness.

 $\mathbf{3.}$ CHECK SEATBACK ANGLE LIMIT SWITCH (RH) GROUND CIRCUIT

1. Disconnect seatback power return control unit connector and sector gear position limit switch connector.

 Check continuity between seatback power return control unit harness connector and seatback angle limit switch (RH) harness connector.

SE-56

SEATBACK ANGLE LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Seatback powe	r return control unit	Seatback and	gle limit switch (RH)	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B488	23	B496	2	Existed
3. Check continuity b	between seatback pov	ver return control ur	nit harness connector	and ground.
Seatback	power return control unit			Continuity
Connector	Termin	al	Ground	Continuity
B488	23			Not existed
s the inspection result	t normal?			
YES >> GO TO 4.				
· ·	replace harness.			
4. CHECK SEATBAC	K ANGLE LIMIT SWIT	TCH (RH)		
Check seatback angle				
Refer to <u>SE-57, "Com</u> s the inspection resul				
YES >> GO TO 5.				
NO >> Replace s		switch (RH) [reclini	ng device assembly	(RH)]. Refer to SE-122
<u>"Exploded</u>				
5. CHECK INTERMIT	TENT INCIDENT			
Refer to <u>GI-42, "Intern</u>	nittent Incident".			
>> INSPECT	ION END			
Component Inspe	ection			INFOID:0000000096529
· · ·				
	ECTION			
		гоц		

1.CHECK SEATBACK ANGLE LIMIT SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect seatback angle limit switch connector.
- 3. Check seatback angle limit switch terminals under the following conditions.

Ter	minal	Condition		Continuity	L
1	2	Soothook ongle limit quitch	While being pressed	Existed	
I	2	Seatback angle limit switch	Other than the above	Not existed	
					M

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace seatback angle limit switch (reclining device assembly). Refer to <u>SE-122, "Exploded</u> <u>View"</u>.

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< DTC/CIRCUIT DIAGNOSIS >

SEATBACK LOCK RELEASE ACTUATOR

LH

LH : Diagnosis Procedure

INFOID:000000009652959

1.CHECK SEATBACK LOCK RELEASE ACTUATOR (LH) GROUND CIRCUIT

Check continuity between seatback lock release actuator (LH) harness connector and ground.

Seatback lock rel	ease actuator (LH)		Continuity
Connector	Terminal	Ground	Continuity
B504	2		Existed

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace harness.

Check 30 A fuse (#33).

Is the inspection result normal?

YES >> GO TO 3.

NO >> Replace the blown fuse after repairing affected circuit.

3.CHECK SEATBACK LOCK RELEASE ACTUATOR (LH) POWER SUPPLY 1

1. Turn ignition switch OFF.

- 2. Disconnect seatback lock release actuator (LH) connector.
- 3. Check continuity between seatback lock release actuator (LH) harness connector and ground.

(•	+)						
Seatback lock rele	ease actuator (LH)	(-)	Condition		Condition Voltag		Voltage (V)
Connector	Terminal						
B504	1	Ground	Third seat fold switch (LH)		9 – 16		
5504	Ι	Ground	Third Seat fold Switch (LTI)	Other than the above	0		

Is the inspection result normal?

YES >> Replace seatback lock release actuator (LH). Refer to <u>SE-122, "Exploded View"</u>.

NO >> GO TO 4.

4.CHECK SEATBACK LOCK RELEASE ACTUATOR (LH) POWER SUPPLY 2

1. Disconnect seatback lock release actuator relay (LH) connector.

2. Check continuity between seatback lock release actuator relay (LH) harness connector and ground.

	(+)		
Seatback lock relea	Seatback lock release actuator relay (LH)		Voltage (V)
Connector	Connector Terminal		
B503	5	Ground	9 – 16

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

${f 5.}$ CHECK SEATBACK LOCK RELEASE ACTUATOR (LH) POWER SUPPLY CIRCUIT

1. Check continuity between seatback lock release actuator relay (LH) harness connector and seatback lock release actuator (LH) harness connector.

SEATBACK LOCK RELEASE ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

Seatback lock release	e actuator relay (LH)	Seatback lock release actuator (LH)		Continuity	
Connector	Terminal	Connector	Terminal	Continuity	
B503	3	B504 1		Existed	
. Check continuity	between seatback loc	ck release actuator	relay (LH) harness co	onnector and ground.	
	(+)				
Seatback lo	ck release actuator relay (l	I H)	(_)	Continuity	
Connector	Termi			Continuity	
B503	3		Ground	Not existed	
s the inspection resul					
YES >> GO TO 6.					
· ·	replace harness.				
J. CHECK SEATBAC	K LOCK RELEASE A	ACTUATOR RELAY	7 (LH)		
	elease actuator relay				
	ponent Inspection (Set	eatback Lock Relea	ase Actuator Relay)".		
<u>s the inspection resul</u> YES >> GO TO 7.					
	seatback lock release	actuator relay (LH).		
CHECK INTERMIT	TENT INCIDENT				
efer to <u>GI-42, "Interr</u> >> INSPECT	nittent Incident".				
Refer to <u>GI-42, "Interr</u> >> INSPECT	nittent Incident".				
Refer to <u>GI-42, "Interr</u> >> INSPECT RH	nittent Incident". ION END			INFOID:0000000	
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P	nittent Incident". TON END rocedure			INF01D:0000000	
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC	nittent Incident". 'ION END rocedure K LOCK RELEASE A				
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC	nittent Incident". 'ION END rocedure K LOCK RELEASE A		GROUND CIRCUIT		
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC Check continuity betw	nittent Incident". 'ION END rocedure K LOCK RELEASE A	lease actuator (RH		and ground.	
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC Check continuity betw	nittent Incident". TON END rocedure K LOCK RELEASE A reen seatback lock re	lease actuator (RH			
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC Check continuity betw Seatback	nittent Incident". ION END rocedure K LOCK RELEASE A reen seatback lock re lock release actuator (RH	lease actuator (RH	I) harness connector a	and ground.	
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC Check continuity betw Seatback Connector	nittent Incident". TON END rocedure K LOCK RELEASE A reen seatback lock re lock release actuator (RH Termi 2	lease actuator (RH	I) harness connector a	and ground. Continuity	
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC Check continuity betw Seatback Connector B502 s the inspection resul YES >> GO TO 2.	nittent Incident". TON END rocedure K LOCK RELEASE A reen seatback lock rel lock release actuator (RH Termi 2 t normal?	lease actuator (RH	I) harness connector a	and ground. Continuity	
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P .CHECK SEATBAC Check continuity betw <u>Seatback</u> Connector <u>B502</u> s the inspection resul YES >> GO TO 2 NO >> Repair or	nittent Incident". TON END rocedure K LOCK RELEASE A reen seatback lock rel lock release actuator (RH Termi 2 t normal?	lease actuator (RH	I) harness connector a	and ground. Continuity	
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC Check continuity betw Seatback Connector B502 s the inspection resul YES >> GO TO 2.	nittent Incident". TON END rocedure K LOCK RELEASE A reen seatback lock rel lock release actuator (RH Termi 2 t normal?	lease actuator (RH	I) harness connector a	and ground. Continuity	
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC Check continuity betw <u>Seatback</u> Connector <u>B502</u> s the inspection resul YES >> GO TO 2 NO >> Repair or	nittent Incident". ION END rocedure K LOCK RELEASE A reen seatback lock rel lock release actuator (RH Termi 2 t normal? replace harness.	lease actuator (RH	I) harness connector a	and ground. Continuity	
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC Check continuity betw Seatback Connector B502 s the inspection resul YES >> GO TO 2. NO >> Repair or CHECK FUSE Check 30 A fuse (#33 s the inspection resul	nittent Incident". TON END rocedure K LOCK RELEASE A reen seatback lock rel lock release actuator (RH Termi 2 t normal? replace harness.). t normal?	lease actuator (RH	I) harness connector a	and ground. Continuity	
Refer to <u>GI-42, "Interr</u> >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC Check continuity betw Seatback Connector B502 s the inspection resul YES >> GO TO 2. NO >> Repair or CHECK FUSE Check 30 A fuse (#33 s the inspection resul YES >> GO TO 3.	nittent Incident". TON END rocedure K LOCK RELEASE A reen seatback lock ref lock release actuator (RH Termi 2 t normal? replace harness.). t normal?	lease actuator (RH	I) harness connector a	and ground. Continuity	
Refer to GI-42, "Intern >> INSPECT RH RH : Diagnosis P I.CHECK SEATBAC Check continuity betw Seatback Connector B502 s the inspection resul YES >> GO TO 2. NO >> Repair or CHECK FUSE Check 30 A fuse (#33 s the inspection resul YES >> GO TO 3. NO >> Replace to	nittent Incident". TON END rocedure K LOCK RELEASE A reen seatback lock rel lock release actuator (RH Termi 2 t normal? replace harness.). t normal?	lease actuator (RH	I) harness connector a	and ground. Continuity	

3. Check continuity between seatback lock release actuator (RH) harness connector and ground.

SEATBACK LOCK RELEASE ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

(+)				
Seatback lock rele	ease actuator (RH)	(—)	Condition		Voltage (V)
Connector	Terminal				
B502	1	Ground	Third sect fold switch (PH) While being pressed		9 – 16
B302	I	Ground	Third seat fold switch (RH)	Other than the above	0

Is the inspection result normal?

YES >> Replace seatback lock release actuator (RH). Refer to <u>SE-122, "Exploded View"</u>.

NO >> GO TO 4.

4.CHECK SEATBACK LOCK RELEASE ACTUATOR (RH) POWER SUPPLY 2

- 1. Disconnect seatback lock release actuator relay (RH) connector.
- 2. Check continuity between seatback lock release actuator relay (RH) harness connector and ground.

(+)		
Seatback lock release	se actuator relay (RH)	()	Voltage (V)
Connector	Connector Terminal		
B501	5	Ground	9 – 16

Is the inspection result normal?

YES >> GO TO 5.

NO >> Repair or replace harness.

5.CHECK SEATBACK LOCK RELEASE ACTUATOR (RH) POWER SUPPLY CIRCUIT

 Check continuity between seatback lock release actuator relay (RH) harness connector and seatback lock release actuator (RH) harness connector.

Seatback lock release actuator relay (RH)		Seatback lock rele	Continuity		
Connector	Terminal	Connector Terminal		Continuity	
B501	3	B502	1	Existed	

2. Check continuity between seatback lock release actuator relay (RH) harness connector and ground.

((+) Seatback lock release actuator relay (RH)		
Seatback lock release			Continuity
Connector	Terminal		
B501	3	Ground	Not existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

6.CHECK SEATBACK LOCK RELEASE ACTUATOR RELAY (RH)

Check seatback lock release actuator relay (RH).

Refer to SE-61, "Component Inspection (Seatback Lock Release Actuator Relay)".

Is the inspection result normal?

YES >> GO TO 7.

NO >> Replace seatback lock release actuator relay (RH).

7. CHECK INTERMITTENT INCIDENT

Refer to GI-42, "Intermittent Incident".

>> INSPECTION END

SEATBACK LOCK RELEASE ACTUATOR

< DTC/CIRCUIT DIAGNOSIS >

Component Inspection (Seatback Lock Release Actuator Relay)

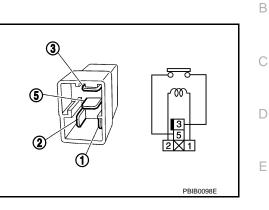
INFOID:000000009652961

А

1.CHECK SEATBACK LOCK ACCTUATOR RELAY

- 1. Turn ignition switch OFF.
- 2. Remove seatback lock actuator relay.
- 3. Check seatback lock actuator relay terminals under the following conditions.

Terr	Terminal Condition		Continuity
3	5	12 V direct current supply between ter- minals 1 and 2.	Existed
		Not current supply	Not existed



Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace seatback lock actuator relay.

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SECTOR GEAR POSITION LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

SECTOR GEAR POSITION LIMIT SWITCH

LH

LH : Diagnosis Procedure

INFOID:000000009652962

1.CHECK SECTOR GEAR POSITION LIMIT SWITCH INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect sector gear position limit switch (LH) connector.
- 3. Check voltage between sector gear position limit switch (LH) connector and ground.

(+)			
Sector gear positi	Sector gear position limit switch (LH)		Voltage (V)	
Connector	Connector Terminal			
B499	1	Ground	9 – 16	

NOTE:

It is not low electric power consumption mode.

Is the inspection result normal?

YES >> GO TO 3. NO >> GO TO 2.

2.CHECK SECTOR GEAR POSITION LIMIT SWITCH (LH) SIGNAL CIRCUIT

- 1. Disconnect seatback power return control unit connector.
- 2. Check continuity between seatback power return control unit harness connector and sector gear position limit switch (LH) harness connector.

Seatback power	Seatback power return control unit		Sector gear position limit switch (LH)		
Connector	Terminal	Connector Terminal		Continuity	
B488	21	B499	1	Existed	

3. Check continuity between seatback power return control unit harness connector and ground.

Seatback power return control unit			Continuity	
Connector	Terminal	Ground	Continuity	
B488	21		Not existed	

Is the inspection result normal?

YES >> Replace seatback power return control unit. Refer to <u>SE-139</u>, "Removal and Installation".

NO >> Repair or replace harness.

${f 3.}$ CHECK SECTOR GEAR POSITION LIMIT SWITCH (LH) GROUND CIRCUIT

 Disconnect seatback power return control unit connector and seatback angle limit switch (LH) connector.
 Check continuity between seatback power return control unit harness connector and sector gear position limit switch (LH) harness connector.

Seatback power return control unit		Sector gear position	Continuity		
Connector	Terminal	Connector Terminal		Continuity	
B488	31	B499	2	Existed	

3. Check continuity between seatback power return control unit harness connector and ground.

Seatback power return control unit			Continuity
Connector	Terminal	Ground	Continuity
B488	31		Not existed

Is the inspection result normal?

YES >> GO TO 4.

SECTOR GEAR POSITION LIMIT SWITCH

	SECTOR GE	AK FUSI		Зилсп	
< DTC/CIRCUIT DIAGN					
NO >> Repair or rep					
4.CHECK SECTOR GE			(LH)		
Check sector gear positi Refer to <u>SE-64, "Compo</u>	nent Inspection"				
s the inspection result n	ormal?				
"Exploded V	iew".	nit switch (L	H) [reclining dev	vice assemb	ly (LH)]. Refer to <u>SE-122.</u>
D. CHECK INTERMITTE	NT INCIDENT				
Refer to <u>GI-42, "Intermitt</u>	ent Incident".				
>> INSPECTIO	N END				
RH					
RH : Diagnosis Pro	cedure				INFOID:000000009652963
					INI 012.000000000002.503
1. CHECK SECTOR GE	AR POSITION LIM	IT SWITCH	INPUT SIGNAL		
1. Turn ignition switch					
 Disconnect sector ge Check voltage between 				ector and are	hund
. Oneon vonage beim	cen sector gear pos			ctor and gro	
	(+)		(-) Voltage		
Sector gear p	osition limit switch (RH)				Voltage (V)
Connector	Termin	al			
B495	1		Ground		9 – 16
NOTE: t is not low electric powers s the inspection result n YES >> GO TO 3. NO >> GO TO 2.	•	de.			
2. CHECK SECTOR GE	AR POSITION LIM	IT SWITCH	(RH) SIGNAL C		
I. Disconnect seatback					
	ween seatback pov			ss connecto	r and sector gear position
Seatback power re	turn control unit	Sector	gear position limit	switch (RH)	Continuity
Connector	Terminal	Conne	ector	Terminal	Continuity
B488	22	B49	95	1	Existed
3. Check continuity bet	ween seatback pow	ver return co	ontrol unit harnes	ss connector	r and ground.
Seatback po	ower return control unit				
Connector	Termin	al	Ground		Continuity
B488	22				Not existed
s the inspection result n	ormal?				
s the inspection result n YES >> Replace sea		control unit	Refer to SE-13	9, "Removal	and Installation".
•	tback power return place harness.				and Installation".

1. Disconnect seatback power return control unit connector and seatback angle limit switch (RH) connector.

2. Check continuity between seatback power return control unit harness connector and sector gear position limit switch (RH) harness connector.

SECTOR GEAR POSITION LIMIT SWITCH

< DTC/CIRCUIT DIAGNOSIS >

Seatback power	Seatback power return control unit		Sector gear position limit switch (RH)		
Connector	Terminal	Connector Terminal		Continuity	
B488	23	B495	2	Existed	

3. Check continuity between seatback power return control unit harness connector and ground.

Seatback power return control unit			Continuity
Connector	Terminal	Ground	Continuity
B488	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK SECTOR GEAR POSITION LIMIT SWITCH (RH)

Check sector gear position limit switch (RH).

Refer to SE-64, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace sector gear position limit switch (RH) [reclining device assembly (RH)]. Refer to <u>SE-122</u>, <u>"Exploded View"</u>.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-42, "Intermittent Incident".

>> INSPECTION END

Component Inspection

COMPONENT INSPECTION

1.CHECK SECTOR GEAR POSITION LIMIT SWITCH

- 1. Turn ignition switch OFF.
- 2. Disconnect sector gear position limit switch connector.
- 3. Check sector gear position limit switch terminals under the following conditions.

Terr	ninal	Condition		Continuity
1	1 0	Sector gear position limit switch	While being pressed	Existed
	2	Sector gear position limit switch	Other than the above	Not existed

Is the inspection result normal?

YES >> INSPECTION END

NO >> Replace sector gear limit switch (reclining device assembly). Refer to <u>SE-122, "Exploded View"</u>.

Revision: 2014 May

INFOID:000000009652964

POWER RETURN MOTOR

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INFOID:000000009652965

< DTC/CIRCUIT DIAGNOSIS >

LH : Diagnosis Procedure

POWER RETURN MOTOR

LH

2.	Turn ignition sw Check voltage b		wer return m	otor assembly (LH) harness co	onnector and ground	J.
-	(+)					
	Power return motor	assembly (Ll	l) (–)	Condition		Voltage (V)
	Connector	Terminal				
		1			Reverse operation	9 – 16
	B498	I	Ground	Power return motor assembly (LH)	Other than the above	0 – 0.5
	D430	5	Cround		Return operation	9 – 16
_		Ũ			Other than the above	0 - 0.5
NC 2.0	CHECK POWER Disconnect seat tor.	RETURN tback powe y between	r return cont seatback po) CIRCUIT rol unit connector and power r wer return control unit harness		
	Seatback po	ower return co	ntrol unit	Power return motor asse	ower return motor assembly (LH)	
	Connector		Terminal	Connector	Terminal	Continuity
	B487		5	B498	1 5	Existed
	Chook continuit	v between :	seatback pov	ver return control unit harness	connector and grou	nd.
. –	Check continuity	,				
. –			Irn control unit		Con	41-0-1-14-1
		ack power ret	urn control unit Termir		Con	tinuity
	Seatba	ack power ret		nal Ground		-
	Seatba Connector B487	ack power retr	Termir			tinuity existed
<u>s tr</u> YE N(3. (Seatba Connector B487 <u>ne inspection res</u> S >> Replace D >> Repair of CHECK INTERM	ack power retr ult normal? e seatback or replace h	Termir 5 6 Dower return arness. CIDENT	control unit. Refer to <u>SE-139</u> ,	Not e	existed
TE NC Str YE NC Che Str YE NC	Seatba Connector B487 ne inspection res S >> Replace D >> Repair of CHECK INTERM eck intermittent in ne inspection res S >> Replace <u>"Explod</u> D >> Repair of	ack power retr sult normal? e seatback or replace h ITTENT IN ncident. Re sult normal? e power ret ed View".	Termir 5 6 Dower return arness. CIDENT fer to <u>GI-42,</u> urn motor as	Ground	Not e	existed
YE NC 3.(Che Is th YE NC RH	Seatba Connector B487 De inspection res S >> Replace D >> Repair of CHECK INTERM eck intermittent in the inspection res S >> Replace <u>"Explode</u> D >> Repair of S >> Replace	ack power retr ack power retr ult normal? e seatback or replace h ITTENT IN ncident. Re ult normal? e power ret ed View". or replace h Procedu	Termir 5 6 Dower return arness. CIDENT fer to <u>GI-42,</u> urn motor as arness.	Ground control unit. Refer to <u>SE-139</u> , <u>"Intermittent Incident"</u> . ssembly (LH) [reclining device	Not e	existed
	Seatba Connector B487 De inspection res S >> Replace D >> Repair of CHECK INTERM Eck intermittent in the inspection res S >> Replace "Explode D >> Repair of CHECK POWER	ack power retr ack power retr ult normal? e seatback or replace h IITTENT IN ncident. Re ult normal? e power ret ed View". or replace h Procedu RETURN	Termir 5 6 Dower return arness. CIDENT fer to <u>GI-42,</u> urn motor as arness.	Control unit. Refer to <u>SE-139</u> ,	Not e	existed <u>Illation"</u> . efer to <u>SE-1</u>
- Str YE NC 3.(Che Str YE NC RH RH	Seatba Connector B487 De inspection res S >> Replace D >> Repair of CHECK INTERM eck intermittent in the inspection res S >> Replace <u>"Explode</u> D >> Repair of S >> Replace	ack power retr ack power retr ult normal? e seatback or replace h IITTENT IN ncident. Re ult normal? e power ret ed View". or replace h Procedu RETURN	Termir 5 6 Dower return arness. CIDENT fer to <u>GI-42,</u> urn motor as arness.	Ground control unit. Refer to <u>SE-139</u> , <u>"Intermittent Incident"</u> . ssembly (LH) [reclining device	Not e	existed <u>Illation"</u> . efer to <u>SE-1</u>

POWER RETURN MOTOR

< DTC/CIRCUIT DIAGNOSIS >

2. Check voltage between power return motor assembly (RH) harness connector and ground.

(+) Power return motor assembly (RH)						
		(-)	Condition		Voltage (V)	
Connector	Terminal					
	4			Reverse operation	9 – 16	
P404	I	Ground	Power return motor assembly (RH)	Other than the above	0 - 0.5	
B494	F	Ground 5	Power return motor assembly (RH)	Return operation	9 – 16	
	5			Other than the above	0 - 0.5	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK POWER RETURN MOTOR (RH) CIRCUIT

1. Disconnect seatback power return control unit connector and power return motor assembly (RH) connector.

2. Check continuity between seatback power return control unit harness connector and power return motor assembly (RH) harness connector.

Seatback power	return control unit	Power return motor assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B487	7	B494	1	Existed
D407	8	- B494	5	Existed

3. Check continuity between seatback power return control unit harness connector and ground.

Seatback power	return control unit		Continuity
Connector	Terminal	Ground	Continuity
B487	7 Ground	Not existed	
<u> </u>	8		NOT EXISTED

Is the inspection result normal?

YES >> Replace seatback power return control unit. Refer to <u>SE-139, "Removal and Installation"</u>.

NO >> Repair or replace harness.

 ${\it 3.}$ CHECK INTERMITTENT INCIDENT

Check intermittent incident. Refer to GI-42, "Intermittent Incident".

Is the inspection result normal?

YES >> Replace power return motor assembly (RH) [reclining device assembly (RH)]. Refer to <u>SE-122</u>, <u>"Exploded View"</u>.

NO >> Repair or replace harness.

< DTC/CIRCUIT DIAGNOSIS >	>
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MOTOR SENSOR

LH

LH : Diagnosis Procedure

1.CHECK MOTOR SENSOR (LH) POWER SUPPLY

1. Turn ignition switch OFF.

2. Disconnect power return motor assembly (LH) connector.

3. Check voltage between power return motor assembly (LH) harness connector and ground.

	(+)				D
Power return mo	otor assembly (LH)	()	Condition	Voltage (V)	
Connector	Terminal				
B498	6	Ground	When power return motor (LH) is operated	9 – 16	

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK MOTOR SENSOR (LH) POWER SUPPLY CIRCUIT

- 1. Disconnect seatback power return control unit connector.
- 2. Check continuity between seatback power return control unit harness connector and power return motor assembly (LH) harness connector.

Seatback power return control unit		Power return mo	Continuity	
Connector	Terminal	Connector	Terminal	Continuity
B487	11	B498	6	Existed

3. Check continuity between seatback power return control unit harness connector and ground.

Seatback power	return control unit		Continuity	SE
 Connector	Terminal	Ground	Continuity	
 B487	11		Not existed	K

Is the inspection result normal?

YES	>> Replace seatback power return control unit	. Refer to SE-139	. "Removal and Installation".
-----	---	-------------------	-------------------------------

NO >> Repair or replace harness.

3.CHECK MOTOR SENSOR (LH) GROUND CIRCUIT

1. Check continuity between seatback power return control unit harness connector and power return motor assembly (LH) harness connector.

Continuity	tor assembly (LH)	Power return mo	return control unit	Seatback power
Continuity	Terminal	Connector	Terminal	Connector
Existed	4	B498	9	B487

2. Check continuity between seatback power return control unit harness connector and ground.

Seatback power	return control unit		Continuity	
Conr	nector	Ground	Continuity	Р
B487	9		Not existed	
	10			

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4.CHECK MOTOR SENSOR (LH) OUTPUT SIGNAL

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INFOID:000000009652967

< DTC/CIRCUIT DIAGNOSIS >

- 1. Connect seatback power return control unit connector.
- 2. Check signal between seatback power return control unit harness connector and ground with an oscilloscope.

(+) Seatback power return control unit		()	Condition	Signal
Connector	Terminal			(Reference value)
B487	10	Ground	During the power return motor (LH) operation	(V) 6 4 2 0 10 ms JMKIA0070GB
			When pinching of seatback oc- curs	The above pulse width should b expanded

Is the inspection result normal?

YES >> GO TO 6. NO >> GO TO 5.

NO >> GO TO 5.

5.CHECK MOTOR SENSOR (LH) SIGNAL CIRCUIT

- 1. Disconnect power return motor assembly (LH) connector and seatback power return control unit connector.
- Check continuity between power return motor assembly (LH) harness connector and seatback power return control unit harness connector.

Seatback power return control unit		Power return motor assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B487	10	B498	3	Existed

3. Check continuity between power return motor assembly (LH) harness connector and ground.

Seatback power	return control unit		Continuity
Connector Terminal		Ground	Continuity
B487	10		Not existed

Is the inspection result normal?

YES >> Replace power return motor assembly (LH) [reclining device assembly (LH)]. Refer to <u>SE-122,</u> <u>"Exploded View"</u>.

NO >> Repair or replace harness.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-42, "Intermittent Incident".

>> INSPECTION END

RH

RH : Diagnosis Procedure

INFOID:000000009652968

1.CHECK MOTOR SENSOR (RH) POWER SUPPLY

1. Turn ignition switch OFF.

- 2. Disconnect power return motor assembly (RH) connector.
- 3. Check voltage between power return motor assembly (RH) harness connector and ground.

< DTC/CIRCUIT DIAGNOSIS >

(+) Power return motor	r assembly (DU)	(_)		Condition		Voltage (V
Connector	Terminal	(-)		Condition		voltage (v
B494	6	Ground	When power return	n motor (RH) is operated		9 – 16
e inspection resu S >> GO TO 3 >> GO TO 2 CHECK MOTOR S Disconnect seath Check continuity assembly (RH) h	3. SENSOR (RH) back power ret between seat	urn control ur back power r	nit connector.	t harness connector	and powe	er return m
Seatback pow	er return control u	nit	Power return mo	tor assembly (RH)		
Connector	Termi		Connector	Terminal	- Co	ontinuity
B487	3		B494	6	E	xisted
Connector		Terminal		Ground	Conti	,
S >> Replace			trol unit. Refer to	SE-139, "Removal a	Not ex Ind Install	
he inspection resu ES >> Replace O >> Repair of CHECK MOTOR S	seatback powe r replace harne SENSOR (RH) between seat	er return cont ess. GROUND C back power r	IRCUIT	SE-139, "Removal a	nd Install	<u>ation"</u> .
he inspection results ES >> Replace D >> Repair of CHECK MOTOR S Check continuity assembly (RH) h	seatback powe r replace harne SENSOR (RH) between seat arness connec	er return contess. GROUND C back power r	RCUIT eturn control uni	t harness connector	nd Install	ation".
ne inspection results ES >> Replace D >> Repair of CHECK MOTOR S Check continuity assembly (RH) h	seatback powe r replace harne SENSOR (RH) between seat	er return contess. GROUND C back power r tor.	RCUIT eturn control uni		and Install	ation".
e inspection results S >> Replace >> Repair of CHECK MOTOR S Check continuity assembly (RH) h	seatback powe r replace harne SENSOR (RH) between seat arness connect rer return control u	er return contess. GROUND C back power r tor.	EIRCUIT return control uni Power return mo	t harness connector	and powe	<u>ation"</u> . er return m
e inspection results S >> Replace >> Repair of HECK MOTOR S Check continuity assembly (RH) h Seatback pow Connector B487	seatback powe r replace harne SENSOR (RH) between seat arness connect rer return control u Termin 1	er return confess. GROUND C back power r tor.	EIRCUIT return control uni Power return mo Connector B494	t harness connector tor assembly (RH) Terminal	and powe	ation". er return m ontinuity
ne inspection results S >> Replace D >> Repair of CHECK MOTOR S Check continuity assembly (RH) h Seatback pow Connector B487 Check continuity	seatback powe r replace harne SENSOR (RH) between seat arness connect rer return control u Termin 1	er return contess. GROUND C back power r stor. nit nal	EIRCUIT return control uni Power return mo Connector B494	t harness connector tor assembly (RH) Terminal 4	and powe	ation". er return n ontinuity Existed d.
ie inspection results S >> Replace D >> Repair of CHECK MOTOR S Check continuity assembly (RH) h Seatback pow Connector B487 Check continuity Seatbac	seatback power replace harned SENSOR (RH) between seat arness conned er return control u Termin 1 between seat	er return contess. GROUND C back power retor. nit nal pack power re	EIRCUIT return control uni Power return mo Connector B494 eturn control unit	t harness connector tor assembly (RH) Terminal 4	and powe	ation". er return n ontinuity Existed d. nuity
e inspection results S >> Replace D >> Repair of CHECK MOTOR S Check continuity assembly (RH) h Seatback pow Connector B487 Check continuity	seatback power r replace harned SENSOR (RH) between seat arness connector rer return control u Termin 1 between seatt ck power return co Connector	er return contess. GROUND C back power r stor. nit nal	EIRCUIT return control uni Power return mo Connector B494 eturn control unit	t harness connector otor assembly (RH) Terminal 4 harness connector a	and powe	ation". er return m ontinuity ixisted d. nuity

< DTC/CIRCUIT DIAGNOSIS >

(+) Seatback power return control unit			Condition	Signal (Reference value)	
		(-)			
Connector	Terminal			()	
B487	B487 2 Ground	During the power return motor (RH) operation	(V) 6 4 2 0 10 ms JMKIA0070GB		
			When pinching seatback occurs	The above pulse width should be expanded	

Is the inspection result normal?

YES >> GO TO 6.

NO >> GO TO 5.

 ${\bf 5.} {\sf CHECK} \; {\sf MOTOR} \; {\sf SENSOR} \; ({\sf RH}) \; {\sf SIGNAL} \; {\sf CIRCUIT}$

1. Disconnect power return motor assembly (RH) connector and seatback power return control unit connector.

2. Check continuity between power return motor assembly (RH) harness connector and seatback power return control unit harness connector.

Seatback power return control unit		Power return motor assembly (RH)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B487	2	B494	3	Existed

3. Check continuity between power return motor assembly (RH) harness connector and ground.

-	Seatback power	return control unit		Continuity
-	Connector Terminal		Ground	Continuity
_	B487	2	1	Not existed
		10		

Is the inspection result normal?

- YES >> Replace power return motor assembly (RH) [reclining device assembly (RH)]. Refer to <u>SE-122</u>, <u>"Exploded View"</u>.
- NO >> Repair or replace harness.

6.CHECK INTERMITTENT INCIDENT

Refer to GI-42, "Intermittent Incident".

>> INSPECTION END

SEATBACK DOES NOT OPERATE POWER RE < SYMPTOM DIAGNOSIS >	ETURN
SYMPTOM DIAGNOSIS	
SEATBACK DOES NOT OPERATE POWER RETURN BOTH SIDES	A
BOTH SIDES : Diagnosis Procedure	INFOID:000000009652969
1. CHECK POWER SUPPLY AND GROUND CIRCUIT	С
Check power supply and ground circuit. Refer to <u>SE-48, "Diagnosis Procedure"</u> .	
Is the inspection result normal?	D
YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts.	
2. CHECK VEHICLE SPEED SIGNAL CIRCUIT	E
Check vehicle speed signal circuit. Refer to <u>SE-54, "Diagnosis Procedure"</u> .	
Is the inspection result normal?	F
YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts.	0
3. CONFIRM THE OPERATION	G
Confirm the operation again.	Н
<u>Is the inspection result normal?</u> YES >> Check intermittent incident. Refer to <u>GI-42, "Intermittent Incident"</u> .	
NO >> GO TO 1.	I
LH : Diagnosis Procedure	IN/FO/ID-000000000500770
	INFOID:000000009652970
1. CHECK THIRD SEAT FOLD SWITCH (LH) Check third seat fold switch (LH).	
Refer to SE-49, "LH : Component Function Check".	К
Is the inspection result normal? YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts.	L
2.CHECK POWER RETURN MOTOR (LH) Check power return motor (LH).	
Refer to <u>SE-65, "LH : Diagnosis Procedure"</u> .	Μ
Is the inspection result normal? YES >> GO TO 3.	Ν
NO >> Repair or replace the malfunctioning parts.	N
3. CHECK SEATBACK ANGLE LIMIT SWITCH (LH)	0
Check seatback angle limit switch (LH). Refer to <u>SE-55, "LH : Diagnosis Procedure"</u> .	0
Is the inspection result normal?	Р
YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts.	
4.CONFIRM THE OPERATION	
Confirm the operation again.	

Is the result normal?

YES >> Check intermittent incident. Refer to <u>GI-42, "Intermittent Incident"</u>.

SEATBACK DOES NOT OPERATE POWER RETURN

< SYMPTOM DIAGNOSIS >

NO >> GO TO 1. RH

RH : Diagnosis Procedure

INFOID:000000009652971

1.CHECK THIRD SEAT FOLD SWITCH (RH)

Check third seat fold switch (RH).

Refer to <u>SE-51, "RH : Component Function Check"</u>.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2. CHECK POWER RETURN MOTOR (RH)

Check power return motor (RH).

Refer to SE-65, "RH : Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK SEATBACK ANGLE LIMIT SWITCH (RH)

Check seatback angle limit switch (RH). Refer to <u>SE-56, "RH : Diagnosis Procedure"</u>.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to <u>GI-42, "Intermittent Incident"</u>.

NO >> GO TO 1.

DOES NOT DETUDN BUT MALEUNCTION DETECTION BUZZED SOUNDS

DOES NOT RETURN BUT MALFUNCTION DETECTION BUZZER SOUNDS	
< SYMPTOM DIAGNOSIS >	_
DOES NOT RETURN BUT MALFUNCTION DETECTION BUZZER	
SOUNDS	A
LH	
LH : Diagnosis Procedure	2
1.CHECK SECTOR GEAR POSITION LIMIT SWITCH (LH)	С
Check sector gear position limit switch (LH). Refer to <u>SE-62, "LH : Diagnosis Procedure"</u> .	
Is the inspection result normal?	D
YES >> GO TO 2.	D
NO >> Repair or replace the malfunctioning parts.	_
2.CHECK MOTOR SENSOR (LH)	E
Check motor sensor (LH). Refer to <u>SE-67, "LH : Diagnosis Procedure"</u> .	
Is the inspection result normal?	F
YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts.	
3. CONFIRM THE OPERATION	G
Confirm the operation again.	-
Is the result normal?	Н
YES >> Check intermittent incident. Refer to <u>GI-42, "Intermittent Incident"</u> .	
NO >> GO TO 1. RH	1
	1
RH : Diagnosis Procedure	³ SE
1.CHECK SECTOR GEAR POSITION LIMIT SWITCH (RH)	5
Check sector gear position limit switch (RH). Refer to <u>SE-63, "RH : Diagnosis Procedure"</u> .	12
Is the inspection result normal?	K
YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts.	L
2.CHECK MOTOR SENSOR (RH)	-
Check motor sensor (RH). Refer to <u>SE-68, "RH : Diagnosis Procedure"</u> .	M
Is the inspection result normal?	
YES >> GO TO 3.	Ν
NO >> Repair or replace the malfunctioning parts.	1.4
3.CONFIRM THE OPERATION	-
Confirm the operation again. <u>Is the result normal?</u>	0
YES >> Check intermittent incident. Refer to <u>GI-42, "Intermittent Incident"</u> .	
NO >> GO TO 1.	Ρ

SEATBACK DOES NOT FOLD DOWN BY SWITCH OPERATION

< SYMPTOM DIAGNOSIS >

SEATBACK DOES NOT FOLD DOWN BY SWITCH OPERATION BOTH SIDES

DOTTODEO	
BOTH SIDES : Diagnosis Procedure	INFOID:000000009652974
1. CHECK POWER SUPPLY AND GROUND CIRCUIT	
Check power supply and ground circuit. Refer to <u>SE-48</u> , "Diagnosis Procedure".	
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts.	
2.CONFIRM THE OPERATION	
Confirm the operation again.	
Is the result normal?	
YES >> Check intermittent incident. Refer to <u>GI-42, "Intermittent Incident"</u> .	
NO >> GO TO 1. LH	
LH	
LH : Diagnosis Procedure	INFOID:000000009652975
1. CHECK THIRD SEAT FOLD SWITCH (LH)	
Check third seat fold switch (LH). Refer to <u>SE-49, "LH : Component Function Check"</u> .	
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts.	
2.CHECK SEATBACK LOCK RELEASE ACTUATOR (LH)	
Check seatback lock release actuator (LH). Refer to <u>SE-58, "LH : Diagnosis Procedure"</u> .	
Is the inspection result normal?	
YES >> GO TO 3.	
NO >> Repair or replace the malfunctioning parts.	
3. CONFIRM THE OPERATION.	
Confirm the operation again.	
Is the result normal?	
YES >> Check intermittent incident. Refer to <u>GI-42, "Intermittent Incident"</u> .	
NO >> GO TO 1.	
RH	
RH : Diagnosis Procedure	INFOID:000000009652976
1.CHECK THIRD SEAT FOLD SWITCH (RH)	
Check third seat fold switch (RH). Refer to <u>SE-51, "RH : Component Function Check"</u> .	
Is the inspection result normal?	
YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts.	
2.CHECK SEATBACK LOCK RELEASE ACTUATOR (RH)	
Check seatback lock release actuator (RH).	
Refer to <u>SE-59. "RH : Diagnosis Procedure"</u> .	

Revision: 2014 May

Is the inspection result normal?

SEATBACK DOES NOT FOLD DOWN BY SWITCH OPERATION

< SYM	PTOM DIAGNOSIS >	
YES NO 3. COI	>> GO TO 3. >> Repair or replace the malfunctioning parts. NFIRM THE OPERATION.	A
Confirm	n the operation again.	В
<u>Is the r</u>	esult normal?	D
YES NO	>> Check intermittent incident. Refer to <u>GI-42, "Intermittent Incident"</u> . >> GO TO 1.	С
		D
		Е

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MALFUNCTION DETECTION BUZZER SOUNDS DURING POWER RETURN MO-TOR INVERSE ROTATION

< SYMPTOM DIAGNOSIS >

MALFUNCTION DETECTION BUZZER SOUNDS DURING POWER RE-TURN MOTOR INVERSE ROTATION

LH

LH : Diagnosis Procedure

INFOID:000000009652977

1.CHECK SEATBACK ANGLE LIMIT SWITCH (LH)

Check seatback angle limit switch (LH). Refer to <u>SE-55, "LH : Diagnosis Procedure"</u>.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK SECTOR GEAR POSITION LIMIT SWITCH (LH)

Check sector gear position limit switch (LH).

Refer to SE-62, "LH : Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK POWER RETURN MOTOR (LH)

Check power return motor (LH). Refer to <u>SE-65, "LH : Diagnosis Procedure"</u>.

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4.CONFIRM THE OPERATION

Confirm the operation again.

Is the result normal?

YES >> Check intermittent incident. Refer to <u>GI-42, "Intermittent Incident"</u>.

NO >> GO TO 1.

RH

RH : Diagnosis Procedure

1.CHECK SEATBACK ANGLE LIMIT SWITCH (RH)

Check seatback angle limit switch (RH). Refer to <u>SE-56, "RH : Diagnosis Procedure"</u>.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK SECTOR GEAR POSITION LIMIT SWITCH (RH)

Check sector gear position limit switch (RH). Refer to <u>SE-64</u>, "Component Inspection".

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace the malfunctioning parts.

3.CHECK POWER RETURN MOTOR (RH)

Check power return motor (RH). Refer to <u>SE-65, "RH : Diagnosis Procedure"</u>. Is the inspection result normal?

YES >> GO TO 4.

INFOID:000000009652978

MALFUNCTION DETECTION BUZZER SOUNDS DURING POWER RETURN MO-TOR INVERSE ROTATION

< SYMPTOM DIAGNOSIS >	
NO >> Repair or replace the malfunctioning parts.	
4.CONFIRM THE OPERATION	A
Confirm the operation again.	
Is the result normal?	В
 YES >> Check intermittent incident. Refer to <u>GI-42. "Intermittent Incident"</u>. NO >> GO TO 1. 	
	С
	D
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ANTI-PINCH FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

ANTI-PINCH FUNCTION DOES NOT OPERATE

Diagnosis Procedure

INFOID:000000009652979

1.CHECK MOTOR SENSOR (LH)

Check motor sensor (LH).

Refer to <u>SE-67, "LH : Diagnosis Procedure"</u>.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK MOTOR SENSOR (RH)

Check motor sensor (RH). Refer to <u>SE-68, "RH : Diagnosis Procedure"</u>.

Is the inspection result normal?

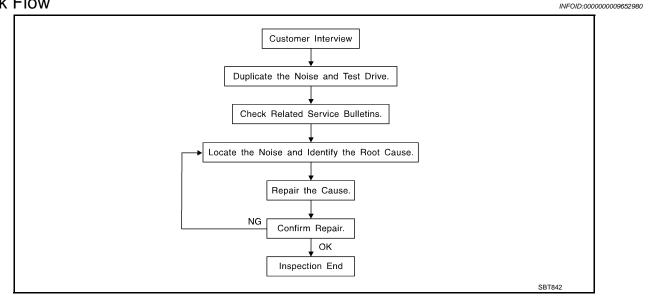
YES >> Replace seatback power return control unit. Refer to <u>SE-139, "Removal and Installation"</u>.

NO >> Repair or replace the malfunctioning parts.

< SYMPTOM DIAGNOSIS >

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow



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 of customer's comments; refer to <u>SE-83</u>, "<u>Diagnostic Worksheet</u>". 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, perform a diagnosis and repair the noise that the customer is concerned about. This can be accomplished by performing a cruise test on the vehicle with the customer.
- After identifying the type of noise, isolate the noise in terms of its characteristics. The noise characteristics SE 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
 a 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 bumblebee)
 Buzz characteristics include high frequency rattle/firm contact.
- Often the degree of acceptable noise level will vary depending up on the person. A noise that a technician 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.

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 the repair is reconfirmed.

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< SYMPTOM DIAGNOSIS >

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 models, drive position on A/T models).
- 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 and mechanics stethoscope).
- 2. Narrow down the noise to a more specific area and identify the cause of the noise by:
- Removing the components in the area that is are suspected to be the cause of the noise. Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.
- Tapping or pushing/pulling the component that is are suspected to be the cause of 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 by hand by touching the component(s) that is are suspected to be the cause of the noise.
- Placing a piece of paper between components that are suspected to be the cause of the noise.
- Looking for loose components and contact marks.

Refer to <u>SE-81, "Inspection Procedure"</u>.

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-50397) is available through the authorized Nissan Parts Department.

CAUTION:

Never use excessive force as many components are constructed of plastic and may be damaged. NOTE:

Always check with the Parts Department for the latest parts information.

The following materials are contained in the Nissan Squeak and Rattle Kit (J-50397). are listed on the inside cover of the kit, and can each be ordered separately as needed.

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

76268-9E005: 100 \times 135 mm (3.94 \times 5.31 in)/76884-71L01: 60 \times 85 mm (2.36 \times 3.35 in)/76884-71L02:15 \times 25 mm (0.59 \times 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 \times 50 mm (1.97 \times 1.97 in)/73982-

50Y00: 10 mm (0.39 in) thick, 50 \times 50 mm (1.97 \times 1.97 in)

INSULATOR (Light foam block)

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

FELT CLOTHTAPE

Used to insulate where movement does not occur. Ideal for instrument panel applications. 68370-4B000: 15×25 mm (0.59 \times 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

< S	YMPTOM DIAGNOSIS >	
	ulates where slight movement is present. Ideal for instrument panel applications.	
Use	ICONE GREASE ed in place of UHMW tape that is be visible or does not fit. Will only last a few months. ICONE SPRAY	А
Use	ed when grease cannot be applied.	В
	CT TAPE ed to eliminate movement.	D
	INFIRM THE REPAIR	
Co	nfirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same inditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet.	С
Ins	spection Procedure	D
Ref	fer to Table of Contents for specific component removal and installation information.	
INS	STRUMENT PANEL	Е
Mo	st incidents are caused by contact and movement between:	
1.	The cluster lid A and instrument panel	
2.	Acrylic lens and combination meter housing	F
3.	Instrument panel to front pillar garnish	
4.	Instrument panel to windshield	G
5.	Instrument panel mounting pins	G
6.	Wiring harnesses behind the combination meter	
7.	A/C defroster duct and duct joint	Н
	These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by	
	applying felt cloth tape or silicon spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness.	I
	Never use silicone spray to isolate a squeak or rattle. If the area is saturated with silicone, the recheck of repair becomes impossible.	SE
CF	NTER CONSOLE	0L
	mponents to pay attention to include:	
1.	Shifter assembly cover to finisher	Κ
2.	A/C control unit and cluster lid C	
3.	Wiring harnesses behind audio and A/C control unit	
	e instrument panel repair and isolation procedures also apply to the center console.	L
DO	ORS	
Pay	y attention to the following:	M
1.	Finisher and inner panel making a slapping noise	
2.	Inside handle escutcheon to door finisher	
3.	Wiring harnesses tapping	Ν
4.	Door striker out of alignment causing a popping noise on starts and stops	
ma	pping or moving the components or pressing on them while driving to duplicate the conditions can isolate ny of these incidents. The areas can usually be insulated with felt cloth tape or insulator foam blocks from Nissan Squeak and Rattle Kit (J-50397) to repair the noise.	0
TR	UNK	
	nk noises are often caused by a loose jack or loose items put into the trunk by the customer. addition look for the following:	Ρ
1.	Trunk lid dumpers out of adjustment	
2.	Trunk lid striker out of adjustment	

- 3. The trunk lid torsion bars knocking together
- 4. A loose license plate or bracket

< SYMPTOM DIAGNOSIS >

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

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

SEATS

When isolating seat noise it's important to note the position the seats in and the load placed on the seat when the noise occurs. These conditions should be duplicated when verifying and isolating the cause of the noise. Cause of seat noise include:

- 1. Headrest rods and holder
- 2. 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
- 6. Hood striker out of adjustment

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

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet



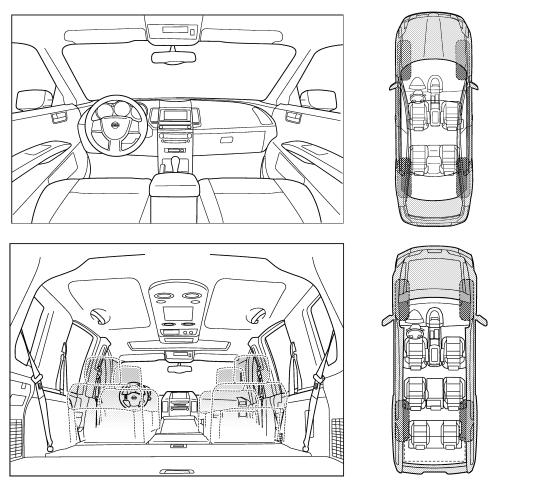
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

Dear Nissan Customer:

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

I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)

The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.



Continue to 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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< SYMPTOM DIAGNOSIS >

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

II. WHEN DOES IT OCCUR? (please chec	k the boxes that apply)
 anytime 1st time in the morning only when it is cold outside only when it is hot outside 	 after sitting out in the rain when it is raining or wet dry or dusty conditions other:
III. WHEN DRIVING:	IV. WHAT TYPE OF NOISE
 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 minu 	 squeak (like tennis shoes on a clean floor) creak (like walking on an old wooden floor) rattle (like shaking a baby rattle) knock (like a knock at the door) tick (like a clock second hand) thump (heavy, muffled knock noise) buzz (like a bumble bee)

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

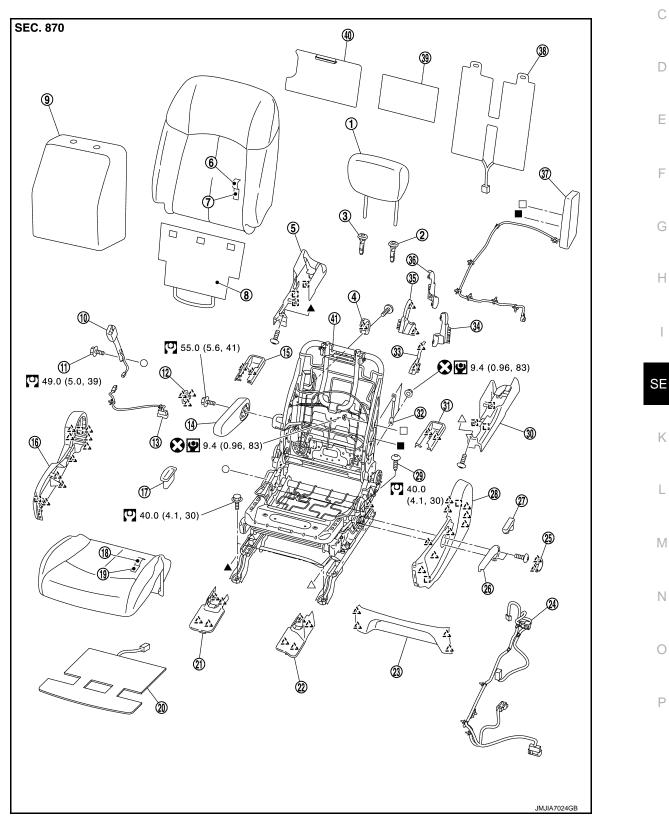
	YES	NO	Initials of person performing
Vehicle test driven with customer - Noise verified on test drive - Noise source located and repaired - Follow up test drive performed to confirm repair			
		me:	

< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION FRONT SEAT (MANUAL SEAT)

Exploded View

DRIVER SEAT



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< REMOVAL AND INSTALLATION >

- 1. Headrest
- 4. Seatback hook assembly
- 7. Seatback pad
- 10. Seat belt buckle
- 13. Seat belt buckle harness
- 16. Seat cushion inner finisher
- 19. Seat cushion pad
- 22. Seat slide front outer cover
- 25. Seat lifter lever knob cap
- 28. Seat cushion outer finisher
- 31. Seat slide rear outer cover
- 34. Reclining device outer cover (rear)
- 37. Side air bag module
- 40. Seatback board
- ∴ : Pawl
- [] : Metal clip
- : Always replace after every disassembly.
- : N·m (kg-m, in-lb)
- : N·m (kg-m, ft-lb)

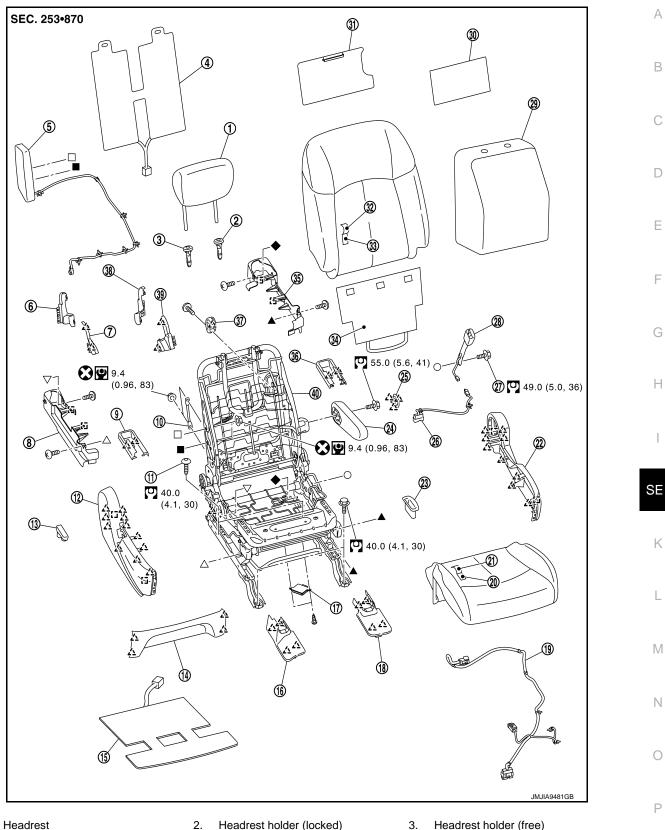
*: Only for seat with heater unit.

PASSENGER SEAT

- 2. Headrest holder (locked)
- 5. Lower inner finisher
- 8. Seatback lower carpet
- 11. Anchor bolt
- 14. Armrest assembly
- 17. Seat belt buckle trim
- 20. Seat cushion heater unit*
- 23. Seat cushion finisher
- 26. Seat lifter lever knob
- 29. TORX bolt
- 32. Side air bag rod
- 35. Reclining device inner cover (front)
- 38. Seatback heater unit*
- 41. Seat frame & adjuster assembly

- 3. Headrest holder (free)
- 6. Seatback trim
- 9. Seatback silencer
- 12. Armrest cap
- 15. Seat slide rear inner cover
- 18. Seat cushion trim
- 21. Seat slide front inner cover
- 24. Seat harness assembly
- 27. Seat reclining lever knob
- 30. Lower outer finisher
- 33. Reclining device outer cover (front)
- 36. Reclining device inner cover (rear)
- 39. Seatback felt

< REMOVAL AND INSTALLATION >



- 1. Headrest
- 4. Seatback heater unit*
- Reclining device outer cover (front) 7.
- 10. Side air bag rod
- 13. Seat reclining lever knob
- 2. Headrest holder (locked)
- 5. Side air bag module
- Lower outer finisher 8.
- 11. TORX bolt
- 14. Seat cushion finisher

- Headrest holder (free)
- 6. Reclining device outer cover (rear)
- 9. Seat slide rear outer cover
- 12. Seat cushion outer finisher
- 15. Seat cushion heater unit*

unit

20. Seat cushion pad

29. Seatback silencer

35. Lower inner finisher

32. Seatback trim

23. Seat belt buckle trim

26. Seat belt buckle harness

38. Reclining device inner cover (rear)

< REMOVAL AND INSTALLATION >

- 16. Seat slide front outer cover
- 19. Seat harness assembly
- 22. Seat cushion inner finisher
- 25. Armrest cap
- 28. Seat belt buckle
- 31. Seatback board
- 34. Seatback lower carpet
- 37. Seatback hook assembly
- 40. Seat frame & adjuster assembly
- ^ : Pawl
- [] : Metal clip
- Always after every disassembly.
- 🞐 : N·m (kg-m, in-lb)
- : N·m (kg-m, ft-lb)

*: Only for seat with heater unit.

Removal and Installation

REMOVAL

WARNING:

Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more.

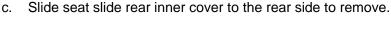
- 1. Remove headrest.
- 2. Operate seat slide lever and slide seat to the frontmost position.
- 3. Remove seat slide rear outer cover.
- a. Disengage pawls on the rear side of seat slide rear outer cover.
- b. Disengage pawls on the front side of seat slide rear outer cover.

Disengage pawls on the rear side of seat slide rear inner cover.

c. Slide seat slide rear outer cover to the rear side to remove.

∠____: Pawl

cover. c.



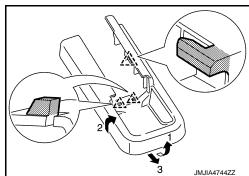
Remove seat slide rear inner cover.

2 : Pawl

4.

a.

b.



- 5. Remove rear outer mounting TORX bolt.
- 6. Remove rear inner mounting TORX bolt.
- 7. Operate seat slide lever and slide seat to the rearmost position.
- Revision: 2014 May

SE-88

2014 QUEST

- 17. Occupant detection system control 18. Seat slide front inner cover
 - 21. Seat cushion trim
 - 24. Armrest assembly
 - 27. Anchor bolt
 - 30. Seatback felt
 - 33. Seatback pad
 - 36. Seat slide rear inner cover
 - 39. Reclining device inner cover (front)

Disengage pawls on the front side of seat slide rear inner cover.

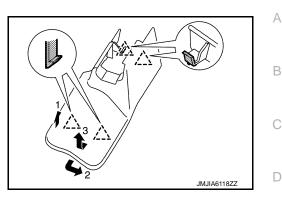
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< REMOVAL AND INSTALLATION >

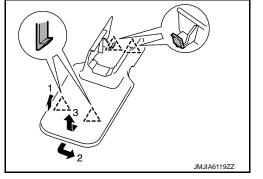
- Remove seat slide front outer cover. 8.
- a. Disengage pawls on the front side of seat slide front outer cover.
- b. Disengage pawls on the rear side of seat slide front outer cover.
- Slide seat slide front outer cover to the front side while lifting it c. upward to remove.

2 : Pawl



- Remove seat slide front inner cover. 9.
- Disengage pawls on the front side of seat slide front inner cover. a.
- b. Disengage pawls on the rear side of seat slide front inner cover.
- Slide seat slide front inner cover to the front side while lifting it C. upward to remove.





- 10. Remove front outer mounting bolt.
- 11. Remove front inner mounting bolt.
- 12. Operate seat reclining lever and set the seatback vertically.
- 13. Disconnect seat cushion lower harness connector, and then remove harness fixing clips.

WARNING:

SE Never insert foreign materials, such as a screwdriver, into air bag module connector. (This is to prevent accidental activation caused by static electricity.) **CAUTION:**

Κ Before performing removal operation, check the installation position of harness connectors and harness fixing clamps.

14. Remove seat from the vehicle.

CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

INSTALLATION

Note the following items, and install in the reverse order of removal.

CAUTION:

- When removing and installing, use shop cloths to protect parts from damage.
- Before installing seat, check that sliding rail inner and outer are locked in the same position.
- Before tightening bolts, check that the carpet is not caught in bolt holes on mounting portion.
- Always fix the harness fixing clamp in position.
- When connecting the connector, be sure to raise lock, and then push lock into the connector to fix. Check that the lock is engaged securely after connecting the connector.

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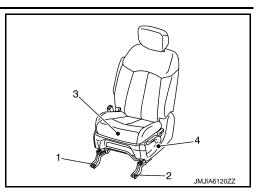
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< REMOVAL AND INSTALLATION >

• When installing, tighten mounting bolts to the specified torque according to the numerical order as shown in the figure, starting from front inner mounting bolt. For the specified torque, refer to <u>SE-85</u>, "Exploded View".



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SEATBACK

SEATBACK : Disassembly and Assembly

b. Remove mounting bolt, and remove armrest assembly.

Remove the seatback retainer (A), and then open seatback fas-

3. Roll up seatback trim, and then remove seatback retainer (C).

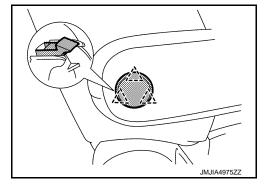
DISASSEMBLY

2.

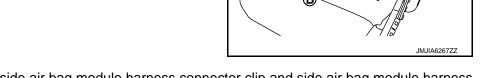
tener (B).

- 1. Remove armrest assembly.
- a. Disengage pawls and remove armrest cap.

2 : Pawl



- 4. Remove side air bag module.
- a. Remove seatback lower carpet from the seatback trim retainer.
- b. Remove seatback trim retainer (A) and (B).



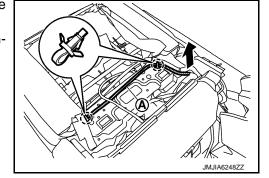
c. Remove seat cushion lower side air bag module harness connector clip and side air bag module harness clip.



< REMOVAL AND INSTALLATION >

- d. Remove side air bag module harness clips from the seat frame & adjuster assembly.
- e. Pull out side air bag module harness (A) from the side or reclining device finisher.





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- f. Remove mounting nuts, and then remove side air bag rod from the seat frame & adjuster assembly.
- g. Pull up seatback pad (1) as shown in the figure and secure work space. Remove side air bag module (3) from the inner cloth (2).



- Never damage seatback trim or inner cloth (reinforcement cloth).
- Check direction if side air bag module.
- Never disassemble and check inflator. Side air bag module must never be disassembled.
- To prevent damage to the parts, never impact the side air
- bag module.
 Replace the side air bag module if it is dropped or sustains an impact.

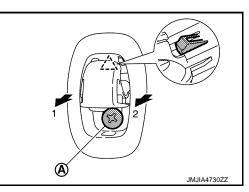


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- To prevent accidental explosion, never expose the side air bag module to temperatures more than 90°C (194°F).
- Place air bag module as a unit with side air bag deployment surface facing upward (stud volts facing downward). (This is to prevent accidental deployment.)
- 5. Remove seatback hook assembly.
- a. Rotate seatback hook to the position where fixing screw (A) can be removed, and then remove screw.
- b. Pull seatback hook assembly forward, disengage pawl, and then remove seatback hook assembly from the seatback.

2 : Pawl



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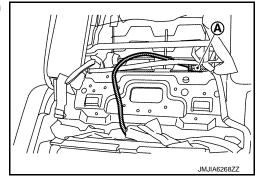
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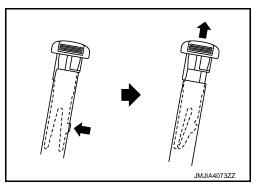
< REMOVAL AND INSTALLATION >

6. Disconnect seatback heater unit harness connector (A). (with heater seat only)



 Remove the headrest holder from the seatback while pressing the pawls as shown by the arrows in the figure.
 CAUTION:

Before installing headrest holder check its orientation. (Front/rear and right/left)



- 8. Remove seatback trim, seatback pad and seatback heater unit (with heater seat only) from seat frame & adjuster assembly.
- Remove hog rings, and separate the seatback trim and seatback pad. CAUTION:
- Before performing separating operation, check the installation position of hog rings.
- 10. Separate the seatback pad and seatback heater unit. (with heater seat only)
- 11. Remove seatback silencer from seat frame & adjuster assembly.

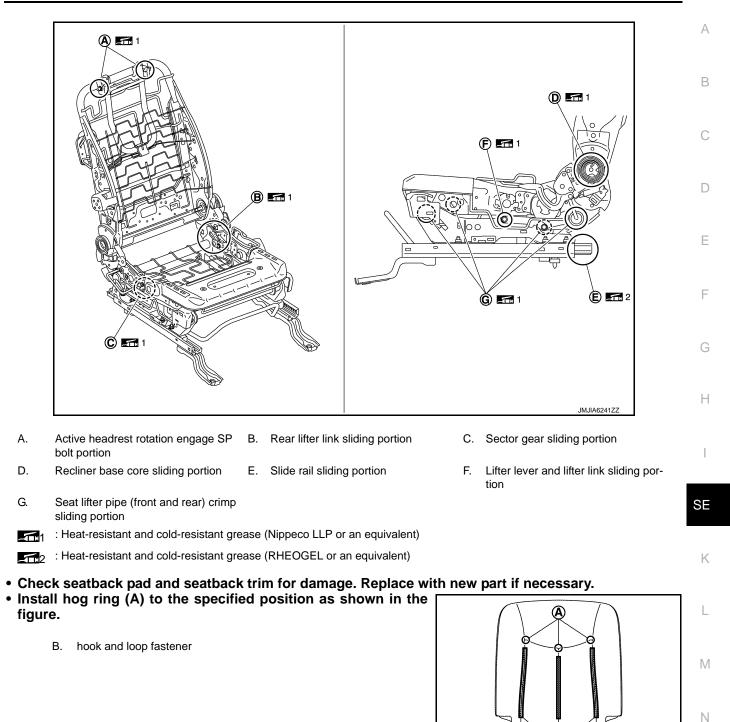
ASSEMBLY

Note the following, and assemble in the reverse order of disassembly.

CAUTION:

• Check the following parts for lubrication. Apply grease if necessary.

< REMOVAL AND INSTALLATION >



- If crimping using a hog ring is unsuccessful, using a new hog ring.
- Check that cutting slits on side air bag module cloth cover are not damaged. Replace side air bag module with a new one if necessary.
- Check that part number of the side air bag module is appropriate to seat specification.

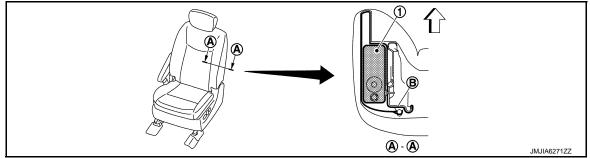
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< REMOVAL AND INSTALLATION >

• Check that side air bag module (1) and inner cloth (reinforcement cloth) (B) is in the position as shown in the figure.



- Check inner cloth (reinforcement cloth) for wrinkles and folding.
- Check that inner cloth (reinforcement cloth) is not pinched.
- · Check that seatback trim and is fixed correctly.
- Never damage harness, connector, or clips of the side air bag module.
- Never damage seatback trim or inner cloth (reinforcement cloth).
- Check direction of side air bag module.
- Use new mounting nut when mounting the side air bag module. Tighten to the specified torque. For the specified torque, refer to <u>SE-85, "Exploded View"</u>.
- Be careful not to leave any foreign materials (screwdriver or others) in seatback.
- Check that harness route and harness clip installation position are in the specified positions.
- When harness clip is damaged, mark the clip position and replace damaged clip with a new one in the original position.

SEAT CUSHION

SEAT CUSHION : Disassembly and Assembly

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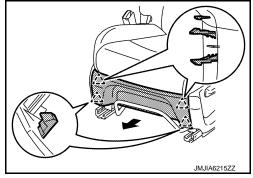
DISASSEMBLY

Driver seat

NOTE:

When removing lower outer finisher or lower inner finisher, operate lifter lever and set seat cushion to the highest position in advance. This facilitates removal.

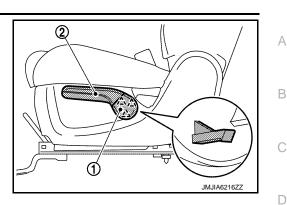
- 1. Pull seat cushion finisher forward, disengage pawls, and then remove seat cushion finisher.
 - 2 : Pawl



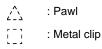
2. Remove seat cushion outer finisher.

< REMOVAL AND INSTALLATION >

- a. Disengage pawls and remove lifter lever knob cap (1).
- b. Remove fixing screws and remove lifter lever knob (2).
 - A : Pawl

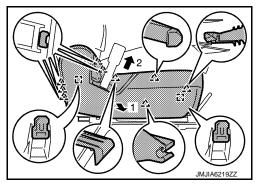


- Disengage pawls using a screwdriver while pulling seat reclining lever knob. Slide seat reclining lever knob toward seat front and remove it.
 - کے : Pawl
- Pull seat cushion outer finisher toward seat front. Disengage pawls and metal clips. Slide seat cushion outer finisher toward seat front. Remove seat cushion outer finisher.



 Remove seat cushion inner finisher. Pull seat cushion inner finisher toward seat front. Disengage pawls and metal clips. Slide seat cushion inner finisher upwards. Remove seat cushion inner finisher.





- 4. Remove seat cushion trim, seat cushion pad, and seat cushion heater unit (with heater seat only) from seat frame & adjuster assembly.
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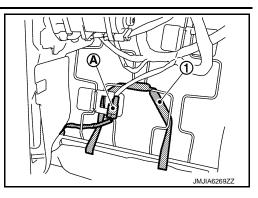
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< REMOVAL AND INSTALLATION >

- Disconnect seat cushion heater unit harness connector (A) installed in the lower portion of seat cushion. (with heater seat only.)
- b. Remove seatback lower carpet rubber band (1) installed in the lower portion of seat cushion.



- c. Remove seat cushion trim retainer installed on seat frame & adjuster assembly.
- d. Remove seat cushion trim, seat cushion pad, and seat cushion heater unit (with heater seat only) from seat frame & adjuster assembly.
- 5. Remove hog rings, and separate the seat cushion trim and seat cushion pad. CAUTION:

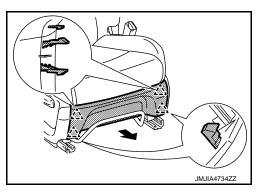
Before performing separating operation, check the installation position of hog rings.

- 6. Separate the seat cushion pad and seat cushion heater unit. (with heater seat only)
- 7. Remove seatback trim and seatback pad from seat frame & adjuster assembly. Refer to <u>SE-90, "SEATBACK : Disassembly and Assembly"</u>.
- 8. Remove reclining device cover.
 - Disengage pawls and remove reclining device outer cover (front and rear).
 - Disengage pawls and remove reclining device inner cover (front and rear).
- 9. Remove following parts from seat frame & adjuster assembly.
 - Remove lower outer finisher.
 - Remove lower inner finisher.
 - Remove seat belt buckle trim.
 - Remove seat belt buckle. Refer to <u>SB-8, "SEAT BELT BUCKLE : Removal and Installation"</u>.
 - Remove seatback board.
 - Remove seatback felt.
 - Remove seat harness from seat frame & adjuster assembly.

Passenger seat

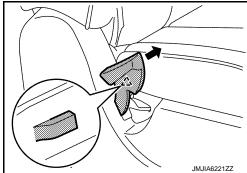
1. Pull seat cushion finisher forward, disengage pawls, and then remove seat cushion finisher.

2 : Pawl



- 2. Remove seat cushion outer finisher.
- a. Disengage pawls using a screwdriver while pulling seat reclining lever knob. Slide seat reclining lever knob toward seat front and remove it.

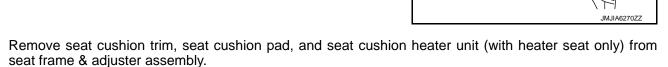




< REMOVAL AND INSTALLATION >

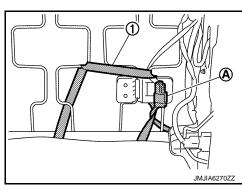
- b. Pull seat cushion outer finisher toward seat front. Disengage pawls and metal clips. Slide seat cushion outer finisher toward seat front. Remove seat cushion outer finisher.
 - .
 : Pawl

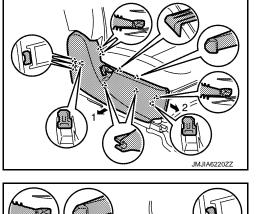
 .
 : Metal clip
- 3. Pull seat cushion inner finisher toward seat front. Disengage pawls and metal clips. Slide seat cushion inner finisher upwards. Remove seat cushion inner finisher.
 - ∴ : Pawl
- Remove seat cushion trim, seat cushion pad, and seat cushion heater unit (with heater seat only) from seat frame & adjuster assembly.
- Disconnect seat cushion heater unit harness connector (A) installed in the lower portion of seat cushion. (with heater seat only.)
- b. Remove seatback lower carpet rubber band (1) installed in the lower portion of seat cushion.



- Remove hog rings, and separate the seat cushion trim and seat cushion pad. Μ CAUTION: Before performing separating operation, check the installation position of hog rings. 6. Separate the seat cushion pad and seat cushion heater unit. (with heater seat only) Ν Remove seatback trim and seatback pad from seat frame & adjuster assembly. Refer to SE-90, "SEATBACK : Disassembly and Assembly". 8. Remove reclining device cover. Disengage pawls and remove reclining device outer cover (front and rear). • Disengage pawls and remove reclining device inner cover (front and rear). Remove following parts from seat frame & adjuster assembly. Remove lower outer finisher. Ρ Remove lower inner finisher. Remove seat belt buckle trim. Remove seat belt buckle. Refer to SB-8, "SEAT BELT BUCKLE : Removal and Installation".
 - Remove seatback board.
 - Remove seatback felt.
 - Remove seat harness from seat frame & adjuster assembly.
 - Remove occupant detection system control unit. Refer to <u>SR-32, "Removal and Installation"</u>.

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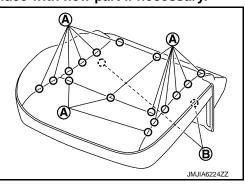
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< REMOVAL AND INSTALLATION >

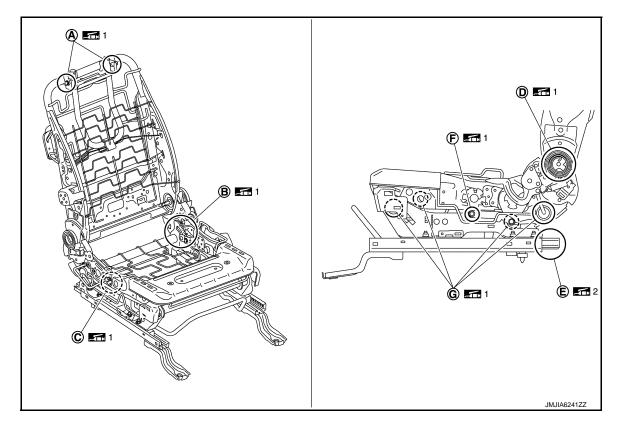
ASSEMBLY

Note the following, and assemble in the reverse order of disassembly. **CAUTION:**

- Check seat cushion trim and seat cushion pad for damage. Replace with new part if necessary.
- Install seat cushion front hog rings (A) and seat cushion back
- hog rings (B) to the specified positions.



Check the following parts for lubrication. Apply grease if necessary.



- Α. Active headrest rotation engage SP B. Rear lifter link sliding portion bolt portion
- D. Recliner base core sliding portion
- E. Slide rail sliding portion
- C. Sector gear sliding portion
- F. Lifter lever and lifter link sliding portion

G. Seat lifter pipe (front and rear) crimp sliding portion

: Heat-resistant and cold-resistant grease (Nippeco LLP or an equivalent) **1**1

: Heat-resistant and cold-resistant grease (RHEOGEL or an equivalent)

- If crimping using a hog ring is unsuccessful, secure using a new hog ring.
- Check that harness route and harness clip installation position are in the specified positions.
- When harness clip is damaged, mark the clip position and replace damaged clip with a new one in the original position.
- Tighten seat belt buckle anchor bolt to the specified torque. For the specified torque, refer to SE-85, "Exploded View".

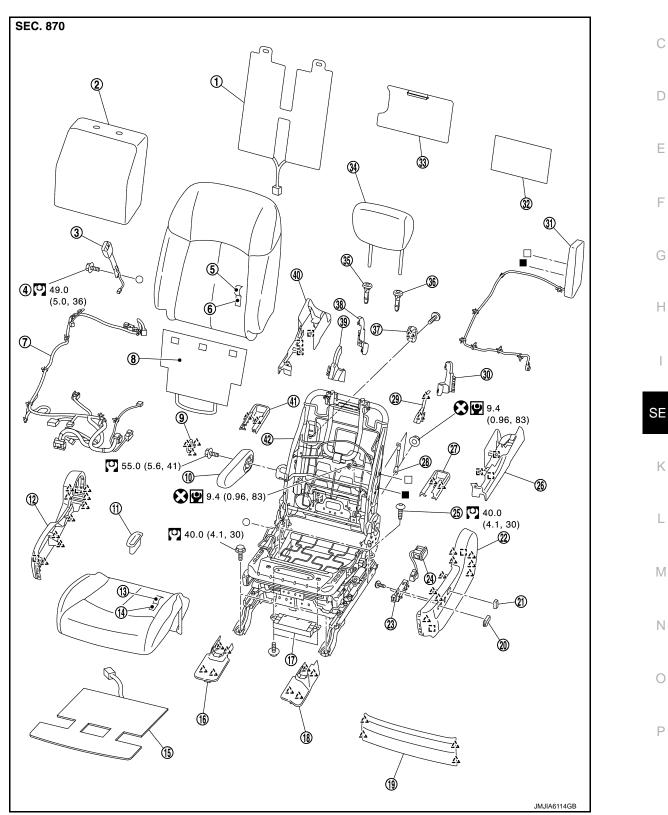
SE-98

< REMOVAL AND INSTALLATION >

FRONT SEAT (POWER SEAT)

Exploded View

DRIVER SEAT



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< REMOVAL AND INSTALLATION >

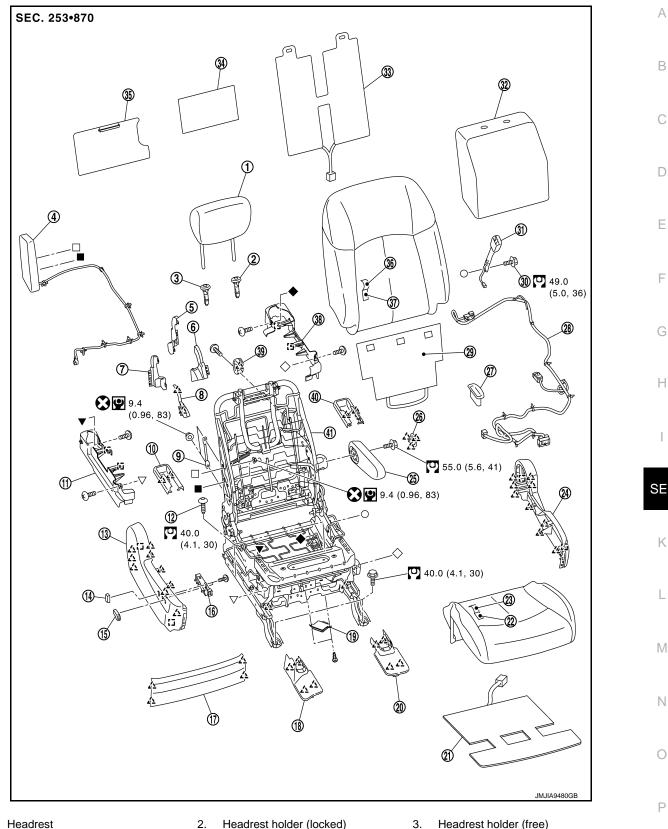
- 1. Seatback heater unit
- 4. Anchor bolt
- 7. Seat harness assembly
- 10. Armrest assembly
- 13. Seat cushion trim
- 16. Seat slide front inner cover
- 19. Seat cushion finisher
- 22. Seat cushion outer finisher
- 25. TORX bolt
- 28. Side air bag rod
- 31. Side air bag module
- 34. Headrest
- 37. Seatback hook assembly
- 40. Lower inner finisher
- ,^ : Pawl
- : Metal clip
- : Always replace after every disassembly.
- : N·m (kg-m, in-lb)
- : N·m (kg-m, ft-lb)

PASSENGER SEAT

- 2. Seatback silencer
- 5. Seatback trim
- 8. Seatback lower carpet
- 11. Seat belt buckle trim
- 14. Seat cushion pad
- 17. Seat control unit
- 20. Seat slide & lifter switch knob
- 23. Seat switch assembly
- 26. Lower outer finisher
- 29. Reclining device outer cover (front)
- 32. Seatback felt
- 35. Headrest holder (free)
- 38. Reclining device inner cover (rear)
- 41. Seat slide rear inner cover

- 3. Seat belt buckle
- 6. Seatback pad
- 9. Armrest cap
- 12. Seat cushion inner finisher
- 15. Seat cushion heater unit
- 18. Seat slide front outer cover
- 21. Seat reclining switch knob
- 24. Lumber support switch assembly
- 27. Seat slide rear outer cover
- 30. Reclining device outer cover (rear)
- 33. Seatback board
- 36. Headrest holder (locked)
- 39. Reclining device inner cover (front)
- 42. Seat frame & adjuster assembly

< REMOVAL AND INSTALLATION >



- 1. Headrest
- 4. Side air bag module
- 7. Reclining device outer cover (rear)
- Seat slide rear outer cover 10.
- 13. Seat cushion outer finisher
- 16. Seat switch assembly

- 2. Headrest holder (locked)
- 5. Reclining device inner cover (rear)
- 8. Reclining device outer cover (front)
- Lower outer finisher 11.
- 14. Seat reclining switch knob
- 17. Seat cushion finisher

- Headrest holder (free)
- Reclining device inner cover (front)
- 9. Side air bag rod
- 12. TORX bolt

6.

- 15. Seat slide & lifter switch knob
- 18. Seat slide front outer cover

SE-101

< REMOVAL AND INSTALLATION >

19. Occupant detection system control 20. Seat slide front inner cover 21. Seat cushion heater unit unit 24. Seat cushion inner finisher 22. Seat cushion pad 23. Seat cushion trim 25. Armrest assembly 26. Armrest cap 27. Seat belt buckle trim 28. Seat harness assembly 29. Seatback lower carpet 30. Anchor bolt 31. Seat belt buckle 32. Seatback silencer 33. Seatback heater unit 34. Seatback felt 35. Seatback board 36. Seatback trim 37. Seatback pad 38. Lower inner finisher 39. Seatback hook assembly 40. Seat slide rear inner cover 41 Seat frame & adjuster assembly : Pawl : Metal clip : Always replace after every disassembly. (\mathbf{X}) 9 : N·m (kg-m, in-lb) : N·m (kg-m, ft-lb) Removal and Installation

REMOVAL

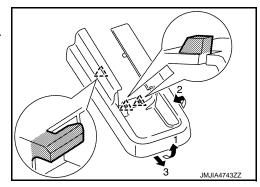
WARNING:

Before servicing, turn ignition switch OFF, disconnect battery negative terminal and wait 3 minutes or more. NOTE:

When removing lower outer finisher, lower inner finisher, side air bag, and seat harness on driver side, operate seat slide & seat lifter switch and set seat cushion to the highest position in advance. This facilitates removal.

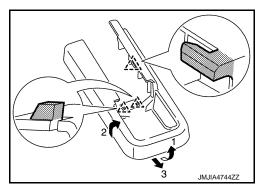
- 1. Remove headrest.
- 2. Operate seat slide & lifter switch and slide seat to the frontmost position.
- 3. Remove seat slide rear outer cover.
- a. Disengage pawls on the rear side of seat slide rear outer cover.
- b. Disengage pawls on the front side of seat slide rear outer cover.
- c. Slide seat slide rear outer cover to the rear side to remove.

کے : Pawl



- 4. Remove seat slide rear inner cover.
- a. Disengage pawls on the rear side of seat slide rear inner cover.
- b. Disengage pawls on the front side of seat slide rear inner cover.
- c. Slide seat slide rear inner cover to the rear side to remove.

: Pawl



- 5. Remove rear outer mounting TORX bolt.
- 6. Remove rear inner mounting TORX bolt.
- 7. Operate seat slide & lifter switch and slide seat to the rearmost position.

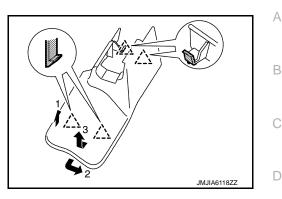
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< REMOVAL AND INSTALLATION >

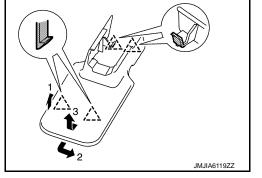
- Remove seat slide front outer cover. 8.
- a. Disengage pawls on the front side of seat slide front outer cover.
- b. Disengage pawls on the rear side of seat slide front outer cover.
- Slide seat slide front outer cover to the front side while lifting it c. upward to remove.

2 : Pawl



- Remove seat slide front inner cover. 9.
- Disengage pawls on the front side of seat slide front inner cover. a.
- b. Disengage pawls on the rear side of seat slide front inner cover.
- Slide seat slide front inner cover to the front side while lifting it C. upward to remove.





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- 10. Remove front outer mounting bolt.
- 11. Remove front inner mounting bolt.
- 12. Operate seat reclining switch and set the seatback vertically.
- 13. Disconnect seat cushion lower harness connector, and then remove harness fixing clips.

WARNING:

SE Never insert foreign materials, such as a screwdriver, into air bag module connector. (This is to prevent accidental activation caused by static electricity.) **CAUTION:**

Κ Before performing removal operation, check the installation position of harness connectors and harness fixing clamps.

14. Remove seat from the vehicle.

CAUTION:

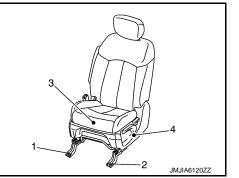
When removing and installing, use shop cloths to protect parts from damage.

INSTALLATION

Note the following items, and install in the reverse order of removal.

CAUTION:

- When removing and installing, use shop cloths to protect parts from damage.
- Before tightening bolts, check that the carpet is not caught in bolt holes on mounting portion.
- Always fix the harness fixing clamp in position.
- When connecting the connector, be sure to raise lock, and then push lock into the connector to fix. Check that the lock is engaged securely after connecting the connector.
- When installing, tighten mounting bolts to the specified torgue according to the numerical order as shown in the figure, starting from front inner mounting bolt. For the specified torque, refer to SE-99, "Exploded View".



< REMOVAL AND INSTALLATION >

NOTE:

After installing the front seat, perform additional service when removing battery negative terminal. Refer to <u>ADP-46</u>, "<u>Description</u>". **SEATBACK**

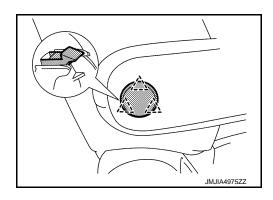
SEATBACK : Disassembly and Assembly

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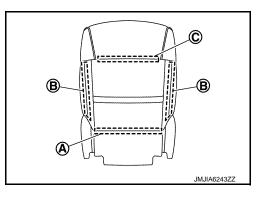
DISASSEMBLY

- 1. Remove armrest assembly.
- a. Disengage pawls and remove armrest cap.

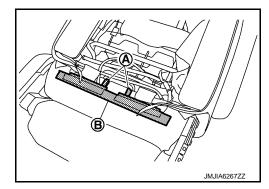
2 : Pawl



- b. Remove mounting bolt, and remove armrest assembly.
- 2. Remove the seatback retainer (A), and then open seatback fastener (B).
- 3. Roll up seatback trim, and then remove seatback retainer (C).



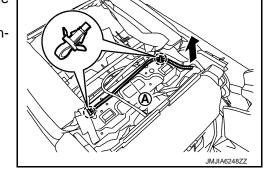
- 4. Remove side air bag module.
- a. Remove seatback lower carpet from the seatback trim retainer.
- b. Remove seatback trim retainer (A) and (B).



c. Remove seat cushion lower side air bag module harness connector clip and side air bag module harness clip.

< REMOVAL AND INSTALLATION >

- d. Remove side air bag module harness clips from the seat frame & adjuster assembly.
- Pull out side air bag module harness (A) from the side or recline. ing device finisher.
 - : Clip ()



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- Remove mounting nuts, and then remove side air bag rod from the seat frame & adjuster assembly. f.
- Pull up seatback pad (1) as shown in the figure and secure work g. space. Remove side air bag module (3) from the inner cloth (2).



- Never damage seatback trim or inner cloth (reinforcement cloth).
- Check direction if side air bag module.
- Never disassemble and check inflator. Side air bag module must never be disassembled.
- To prevent damage to the parts, never impact the side air bag module.
- Replace the side air bag module if it is dropped or sustains an impact.

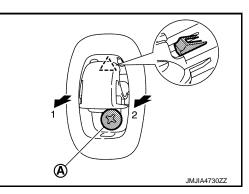


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- To prevent accidental explosion, never expose the side air bag module to temperatures more than 90°C (194°F).
- Place air bag module as a unit with side air bag deployment surface facing upward (stud volts) facing downward). (This is to prevent accidental deployment.)
- Remove seatback hook assembly. 5.
- Rotate seatback hook to the position where fixing screw (A) can a. be removed, and then remove screw.
- b. Pull seatback hook assembly forward, disengage pawl, and then remove seatback hook assembly from the seatback.

: Pawl Â



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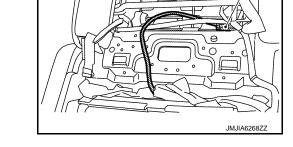
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< REMOVAL AND INSTALLATION >

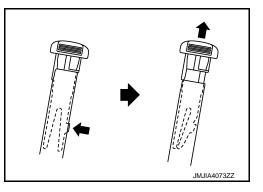
6. Disconnect seatback heater unit harness connector (A).



(A)

 Remove the headrest holder from the seatback while pressing the pawls as shown by the arrows in the figure.
 CAUTION:

Before installing headrest holder check its orientation. (Front/rear and right/left)



- 8. Remove seatback trim, seatback pad and seatback heater unit from seat frame & adjuster assembly.
- 9. Remove hog rings, and separate the seatback trim and seatback pad. CAUTION:

Before performing separating operation, check the installation position of hog rings.

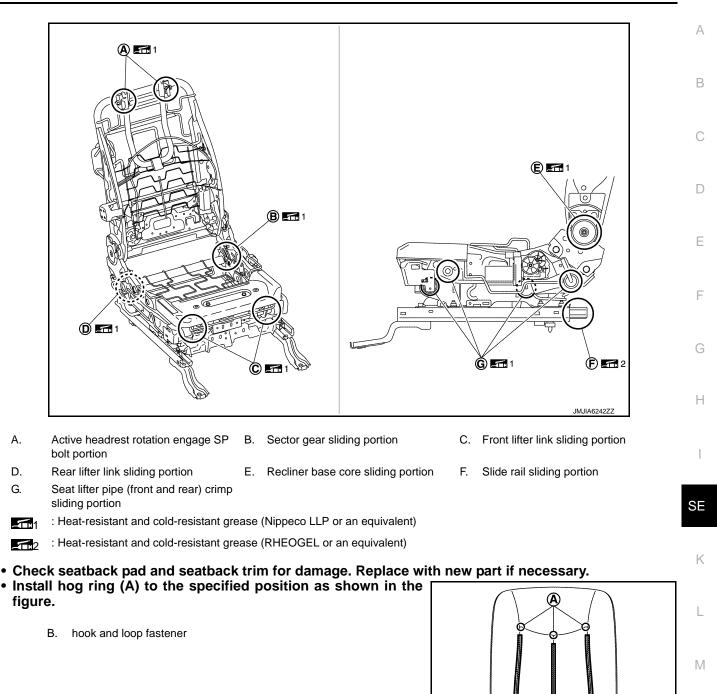
- 10. Separate the seatback pad and seatback heater unit.
- 11. Remove seatback silencer from seat frame & adjuster assembly.

ASSEMBLY

Note the following, and assemble in the reverse order of disassembly. **CAUTION:**

• Check the following parts for lubrication. Apply grease if necessary.

< REMOVAL AND INSTALLATION >



- If crimping using a hog ring is unsuccessful, using a new hog ring.
- Check that cutting slits on side air bag module cloth cover are not damaged. Replace side air bag module with a new one if necessary.
- Check that part number of the side air bag module is appropriate to seat specification.

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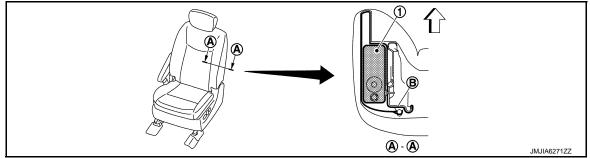
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< REMOVAL AND INSTALLATION >

• Check that side air bag module (1) and inner cloth (reinforcement cloth) (B) is in the position as shown in the figure.



- Check inner cloth (reinforcement cloth) for wrinkles and folding.
- Check that inner cloth (reinforcement cloth) is not pinched.
- Check that seatback trim and is fixed correctly.
- Never damage harness, connector, or clips of the side air bag module.
- Never damage seatback trim or inner cloth (reinforcement cloth).
- Check direction of side air bag module.
- Use new mounting nut when mounting the side air bag module. Tighten to the specified torque. For the specified torque, refer to <u>SE-99, "Exploded View"</u>.
- Be careful not to leave any foreign materials (screwdriver or others) in seatback.
- Check that harness route and harness clip installation position are in the specified positions.
- When harness clip is damaged, mark the clip position and replace damaged clip with a new one in the original position.

SEAT CUSHION

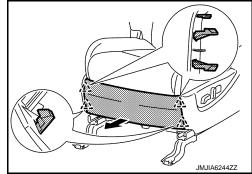
SEAT CUSHION : Disassembly and Assembly

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DISASSEMBLY

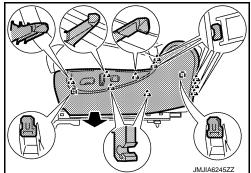
Driver seat

- 1. Pull seat cushion finisher forward, disengage pawls, and then remove seat cushion finisher.
 - <u>کک</u> : Pawl



- 2. Remove seat cushion outer finisher.
- a. Pull seat cushion outer finisher forward, disengage pawls and metal clips, and then remove seat cushion outer finisher.

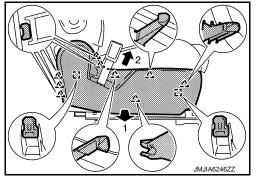




< REMOVAL AND INSTALLATION >

- b. Disconnect seat switch assembly harness connector and lumber support switch assembly harness connector.
- 3. Remove seat switch assembly and lumber support switch assembly from seat cushion outer finisher.
- Pull seat cushion inner finisher toward seat front. Disengage pawls and metal clips. Slide seat cushion inner finisher upwards. Remove seat cushion inner finisher.

$\hat{\}$: Pawl
	: Metal clip



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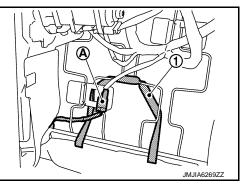
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- 5. Remove seat cushion trim, seat cushion pad, and seat cushion heater unit from seat frame & adjuster assembly.
- a. Disconnect seat cushion heater unit harness connector (A) installed in the lower portion of seat cushion.
- b. Remove seatback lower carpet rubber band (1) installed in the lower portion of seat cushion.



- c. Remove seat cushion trim retainer installed on seat frame & adjuster assembly.
- d. Remove seat cushion trim, seat cushion pad, and seat cushion heater unit from seat frame & adjuster seatembly.
 6. Remove hog rings, and separate the seat cushion trim and seat cushion pad.

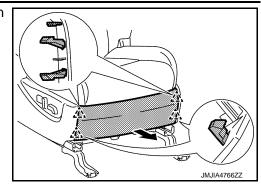
	CAUTION: Before performing separating operation, check the installation position of hog rings.	
7.	Separate the seat cushion pad and seat cushion heater unit.	
0	Demove eacthcold trim and eacthcold and from eact from a division accomply	

- Remove seatback trim and seatback pad from seat frame & adjuster assembly. Refer to <u>SE-104, "SEATBACK : Disassembly and Assembly"</u>.
- 9. Remove reclining device cover.
 - Disengage pawls and remove reclining device outer cover (front and rear).
 - Disengage pawls and remove reclining device inner cover (front and rear).
- 10. Remove following parts from seat frame & adjuster assembly.
 - Remove lower outer finisher.
 - Remove lower inner finisher.
 - Remove seat belt buckle trim.
 - Remove seat belt buckle. Refer to <u>SB-8, "SEAT BELT BUCKLE : Removal and Installation"</u>.
 - Remove seatback board.
 - Remove seatback felt.
 - Remove seat harness from seat frame & adjuster assembly.

Passenger seat

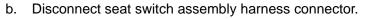
< REMOVAL AND INSTALLATION >

- 1. Pull seat cushion finisher forward, disengage pawls, and then remove seat cushion finisher.
 - : Pawl



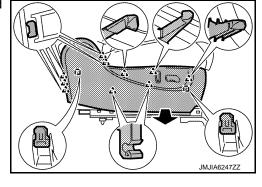
- 2. Remove seat cushion outer finisher.
- a. Pull seat cushion outer finisher forward, disengage pawls and metal clips, and then remove seat cushion outer finisher.

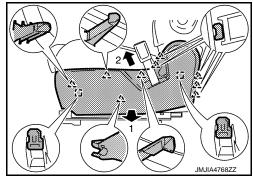
2	: Pawl
	: Metal clip



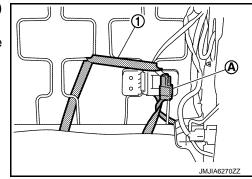
- 3. Remove seat switch assembly from seat cushion outer finisher.
- 4. Pull seat cushion inner finisher toward seat front. Disengage pawls and metal clips. Slide seat cushion inner finisher upwards. Remove seat cushion inner finisher.

<u> </u>	: Pawl
[-]	: Metal clip





- 5. Remove seat cushion trim, seat cushion pad, and seat cushion heater unit from seat frame & adjuster assembly.
- a. Disconnect seat cushion heater unit harness connector (A) installed in the lower portion of seat cushion.
- b. Remove seatback lower carpet rubber band (1) installed in the lower portion of seat cushion.



- c. Remove seat cushion trim retainer installed on seat frame & adjuster assembly.
- d. Remove seat cushion trim, seat cushion pad, and seat cushion heater unit from seat frame & adjuster assembly.
- 6. Remove hog rings, and separate the seat cushion trim and seat cushion pad. **CAUTION:**

SE-110

< RE	MOVAL AND INSTALLATION >	
E	Before performing separating operation, check the installation position of hog rings.	
7. 5	Separate the seat cushion pad and seat cushion heater unit.	А
	Remove seatback trim and seatback pad from seat frame & adjuster assembly. Refer to <u>SE-104, "SEATBACK : Disassembly and Assembly"</u> .	
•	Remove reclining device cover. Disengage pawls and remove reclining device outer cover (front and rear). Disengage pawls and remove reclining device inner cover (front and rear). 	В
•	Remove following parts from seat frame & adjuster assembly. • Remove lower outer finisher. • Remove lower inner finisher.	С
•	 Remove seat belt buckle trim. Remove seat belt buckle. Refer to <u>SB-8, "SEAT BELT BUCKLE : Removal and Installation"</u>. Remove seatback board. Remove seatback felt. 	D
•	 Remove seat harness from seat frame & adjuster assembly. Remove occupant detection system control unit. Refer to <u>SR-32, "Removal and Installation"</u>. 	E
Note CAU	EMBLY the following, and assemble in the reverse order of disassembly. TION: eck seat cushion trim and seat cushion pad for damage. Replace with new part if necessary.	F
• Ins	stall seat cushion front hog rings (A) and seat cushion back g rings (B) to the specified positions.	G

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• Check the following parts for lubrication. Apply grease if necessary.

Revision: 2014 May

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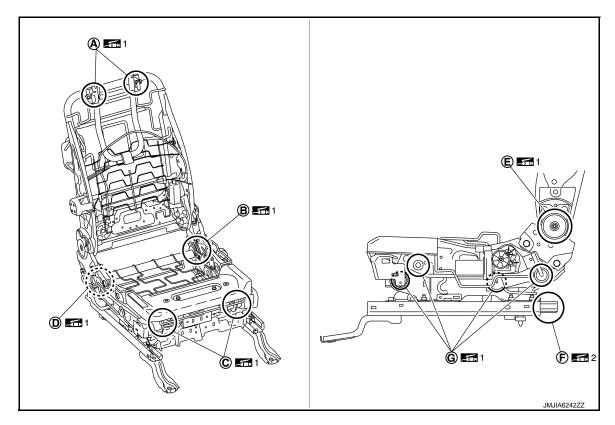
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< REMOVAL AND INSTALLATION >



- Α. Active headrest rotation engage SP B. Sector gear sliding portion bolt portion
- C. Front lifter link sliding portion

- D. Rear lifter link sliding portion
- E. Recliner base core sliding portion
- F. Slide rail sliding portion

G. Seat lifter pipe (front and rear) crimp sliding portion

: Heat-resistant and cold-resistant grease (Nippeco LLP or an equivalent) **-1**

: Heat-resistant and cold-resistant grease (RHEOGEL or an equivalent)

- If crimping using a hog ring is unsuccessful, secure using a new hog ring.
- Check that harness route and harness clip installation position are in the specified positions.
- When harness clip is damaged, mark the clip position and replace damaged clip with a new one in the original position.
- Tighten seat belt buckle anchor bolt to the specified torque. For the specified torque, refer to SE-85, "Exploded View".

SECOND SEAT

Exploded View

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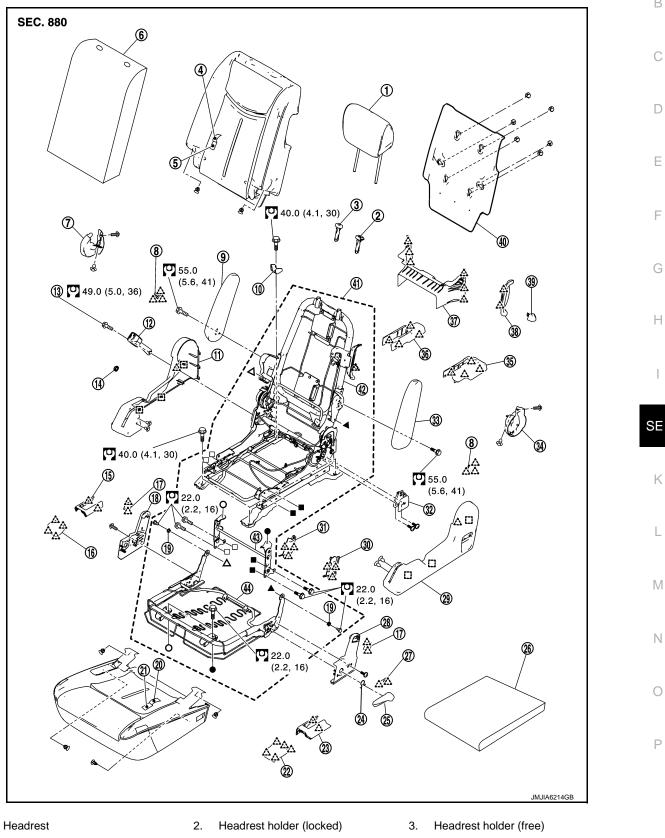
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- 4. Seatback trim
- Reclining device inner cover 7.
- 5. Seatback pad
- 8. Armrest cap

- 6. Seatback silencer
- 9. Inner armrest assembly

1.

11. Seat cushion inner finisher

23. Seat front outer leg cover (rear)

17. Seat hinge finisher cap

Seat cushion trim

26. Seat cushion silencer

29. Seat cushion outer finisher

32. Seat folding lever assembly

35. Seat rear outer leg cover

38. Walk-in lever escutcheon

44. Seat cushion frame

41. Seat frame & adjuster assembly

14. Anchor bolt cap

20.

< REMOVAL AND INSTALLATION >

- 10. Seat slide bracket
- 13. Anchor bolt
- 16. Seat front inner leg cover (front)
- 19. Bush
- 22. Seat front outer leg cover (front)
- 25. Seat reclining lever knob
- 28. Seat hinge outer finisher LH
- 31. Seat hinge inner finisher RH
- 34. Reclining device outer cover
- 37. Seat cushion rear center finisher
- 40. Seatback board
- 43. Seat link assembly
- : Pawl ŵ
- : Metal clip
- : N·m (kg-m, ft-lb) U

Removal and Installation

REMOVAL

5.

a.

b.

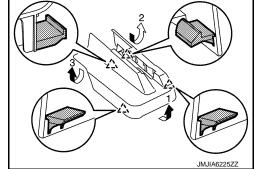
- 1. Remove headrest.
- Remove rear kicking plate. Refer to INT-22, "KICKING PLATE : Removal and Installation". 2.
- 3. Slide seat to the frontmost position.

Remove seat rear inner leg cover.

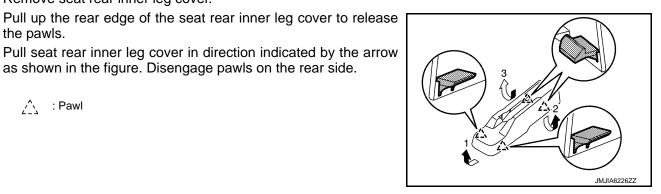
- 4. Remove seat rear outer leg cover.
- Pull up the rear edge of the seat rear outer leg cover to release a. the pawls.
- Pull seat rear outer leg cover in direction indicated by the arrow b. as shown in the figure. Disengage pawls on the rear side.
 - 2 : Pawl

the pawls.

八 :Pawl



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- Remove rear outer mounting bolt.
- 7. Remove rear inner mounting bolt and seat slide bracket.

as shown in the figure. Disengage pawls on the rear side.

- Slide seat to the rearmost position. 8.
- 9. Remove seat front outer leg cover (front).
- Revision: 2014 May

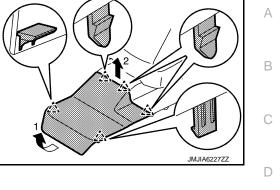
12. Seat belt buckle 15. Seat front inner leg cover (rear)

- 18. Seat hinge outer finisher RH
- 21. Seat cushion pad
- 24. Snap ring
- 27. Seat hinge finisher patch
- Seat hinge inner finisher LH 30.
- 33. Outer armrest assembly
- 36. Seat rear inner leg cover
- 39. Walk-in lever knob
- 42. Seat frame assembly

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< REMOVAL AND INSTALLATION >

- a. Pull up the front edge of the seat front outer leg (front) cover to release the pawls.
- b. Pull seat front outer leg cover (front) upwards. Disengage pawls on the rear side.
 - 2 : Pawl



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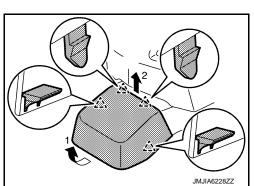
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- 10. Remove seat front inner leg cover (front).
- a. Pull up the front edge of the seat front inner leg (front) cover to release the pawls.
- b. Pull seat front inner leg cover (front) upwards. Disengage pawls on the rear side.



- Pawl : Pawl
- 11. Remove front outer mounting bolt.
- 12. Remove front inner mounting bolt.
- 13. Remove seat from the vehicle. CAUTION:

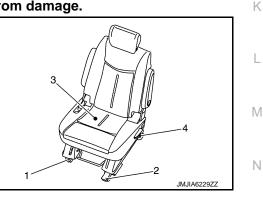
When removing and installing, use shop cloths to protect parts from damage.

INSTALLATION

Note the following items, and install in the reverse order of removal. **CAUTION:**

- When removing and installing, use shop cloths to protect parts from damage.
- When installing, tighten mounting bolts according to the numerical order as shown in the figure, starting from front inner mounting bolt.

For the specified torque, refer to <u>SE-113, "Exploded View"</u>.



SEATBACK

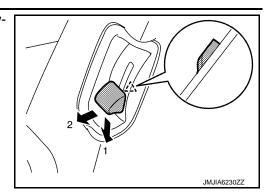
SEATBACK : Disassembly and Assembly

DISASSEMBLY

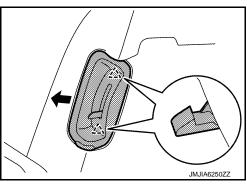
1. Remove walk-in lever escutcheon.

< REMOVAL AND INSTALLATION >

- a. Pull down walk-in lever knob, disengage pawl using a screwdriver, and then slide walk-in lever knob to remove.
 - 2 : Pawl

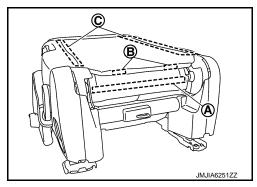


- b. Pull walk-in lever escutcheon forward, disengage pawls, and then remove walk-in lever escutcheon.
 - : Pawl



- 2. Remove inner armrest assembly and outer armrest.
- a. Disengage pawls and remove armrest cap.
 - 2 : Pawl

- b. Remove mounting bolt, and then remove inner armrest assembly and outer armrest assembly.
- 3. Remove seatback board from the seat frame & adjuster assembly.
- a. Operate seat reclining lever and fold seatback forward.
- b. Remove seatback trim hook and loop fastener (A).
- c. Remove seatback retainer (B), and then open seatback fastener (C).



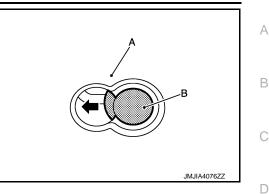
d. Remove rubber band installed on seatback board.

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< REMOVAL AND INSTALLATION >

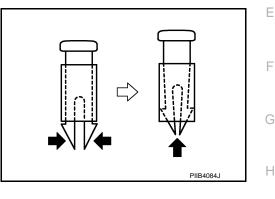
Slide and align the clips (B) to the holes on the seatback as e. shown in the figure, and then remove the seatback board (A). CAUTION:

Always slide clips before removing seatback board. Clips may be damaged if seatback board is removed without sliding the clips.



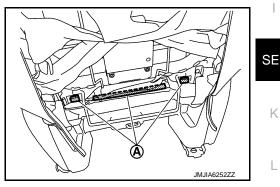
- f. Remove seatback board fixing clips from seatback frame assembly.
- 4. Set the seatback vertically.
- 5. Use pincers, etc., to press up pawls as shown by the arrows in the figure, and remove headrest holder from seatback. **CAUTION:**

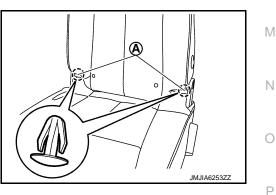
Before installing headrest holder check its orientation. (front/rear and right/left)



- Remove seatback trim and seatback pad from seat frame & adjuster assembly. 6.
- Remove retainer (A) installed on seat frame & adjuster assema. bly.

Remove seat cushion trim fixing clips (A) installed on seatback





: Clip ()

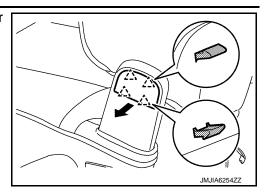
b.

trim.

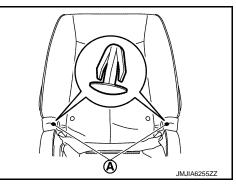
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< REMOVAL AND INSTALLATION >

- c. Disengage pawls and remove seat hinge finisher caps. (Inner side and outer side.)
 - : Pawl



- d. Remove seat cushion frame assembly mounting bolts. Remove seat cushion assembly from seat frame assembly.
- e. Remove seatback trim fixing clips (A).
 - () : Clip

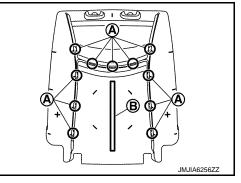


- f. Remove seatback trim and seatback pad from seat frame assembly.
- 7. Remove hog rings, and separate the seatback trim and seatback pad. CAUTION:
- Before performing separating operation, check the installation position of hog rings.
- 8. Remove fixing clip and screw, and then remove reclining device inner cover from seat frame assembly.
- 9. Remove fixing clip and screw, and then remove reclining device outer cover from seat frame assembly.

INSTALLATION

Note the following, and assembly in the reverse order of disassembly.

- **CAUTION:**
- Check seatback trim and seatback pad for damage. Replace with new part if necessary.
- Install hog ring (A) to the specified position as shown in the figure.
 - B. hook and loop fastener



- If crimping using a hog ring is unsuccessful, secure using a new hog ring. SEAT CUSHION

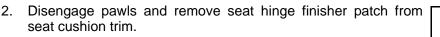
SEAT CUSHION : Disassembly and Assembly

DISASSEMBLY

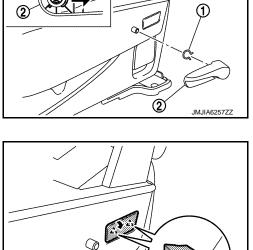
< REMOVAL AND INSTALLATION >

 Remove snap ring (1) using a hook & pick tool, and then remove seat reclining device lever knob (2).
 NOTE:

Remove snap ring while pressing seat cushion trim to the inner side of the seat. Snap ring can be easily removed.

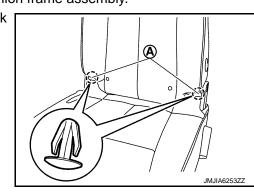


کے : Pawl



(1)

- 3. Remove seat cushion trim and seat cushion pad from seat cushion frame assembly.
- a. Remove seat cushion trim fixing clips (A) installed on seat back trim.
 - () : Clip



- b. Remove seat cushion trim retainer from seat cushion frame assembly.
- c. Remove seat cushion trim J hook from seat cushion frame assembly.
- d. Remove seat cushion trim hook and loop fastener.
- e. Remove seat cushion trim fixing clips installed on seat frame assembly.
- f. Remove seat cushion trim and seat cushion pad from seat cushion frame assembly.
- Remove hog rings, and separate the seatback trim and seatback pad.
 CAUTION: Before performing separating operation, check the installation position of hog rings.
- 5. Remove seat cushion silencer from seat cushion frame assembly.
- 6. Remove seat hinge outer finisher (LH and RH).

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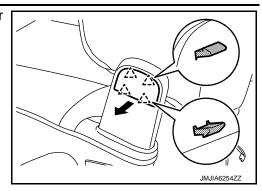
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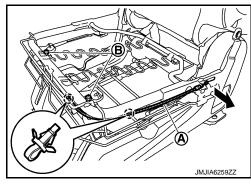
< REMOVAL AND INSTALLATION >

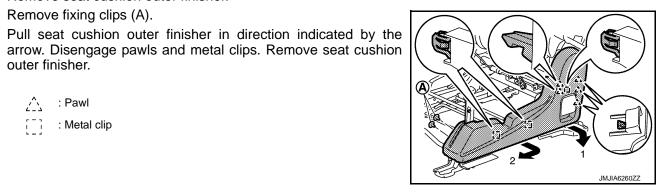
- Disengage pawls and remove seat hinge finisher cap. (Inner a. side and outer side.)
 - 八 :Pawl



- Remove seat cushion frame assembly rear side mounting bolt, and then remove seat cushion assembly b. from seat frame assembly.
- Remove seat hinge outer finisher (LH and RH) fixing screws. C.
- Remove seat hinge outer finisher (LH and RH). d.
- 7. Remove seat hinge inner finisher (LH and RH).
- Remove seat cushion frame assembly from seat frame assembly. 8.
- Remove cable (A) from seat cushion frame assembly. a.
- Remove cable fixing clips. b.
- Remove seat cushion frame assembly front side mounting bolt C. (B) and then remove seat cushion frame assembly.

(⁻) : Clip





9. Remove seat cushion outer finisher.

Remove fixing clips (A).

: Pawl : Metal clip

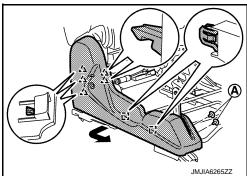
outer finisher.

a.

b.

- 10. Remove seat front outer leg cover (rear).
- 11. Remove seat cushion inner finisher.
- a. Remove seat belt buckle. Refer to SB-13, "SEAT BELT BUCKLE : Removal and Installation".
- Remove fixing clips (A). b.
- Pull seat cushion inner finisher in direction indicated by the C. arrow. Disengage pawls and metal clips. Remove seat cushion inner finisher.

<u>^</u>	: Pawl
[_]	: Metal clip



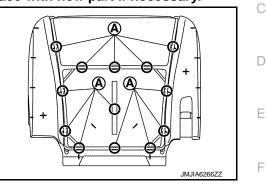
< REMOVAL AND INSTALLATION >

- 12. Remove seat front inner leg cover (rear).
- 13. Remove seat cushion rear center finisher.
- 14. Remove mounting bolts, and then remove seat link assembly.

ASSEMBLY

Note the following, and assemble in the reverse order of disassembly.

- **CAUTION:**
- Check seat cushion trim and seat cushion pad for damage. Replace with new part if necessary.
- Install hog ring (A) to the specified position as shown in the figure.





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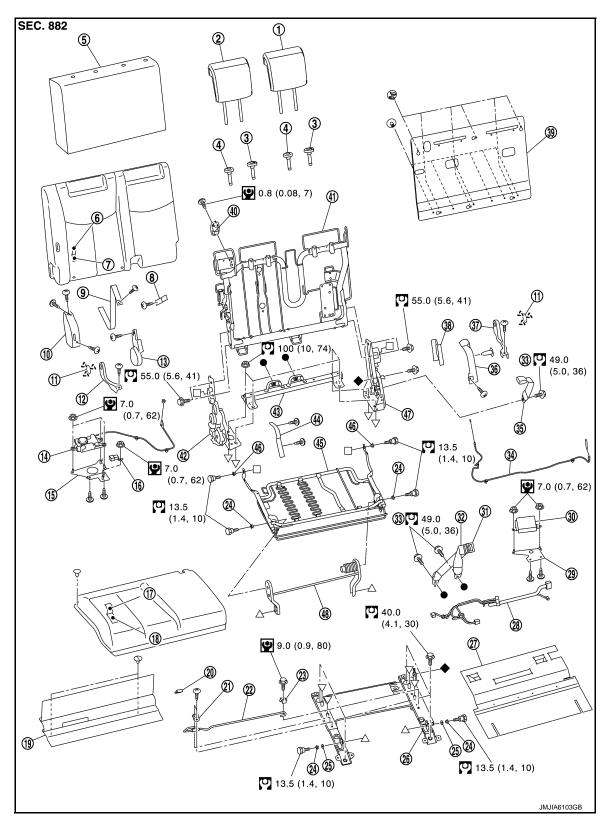
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Exploded View

RH SIDE SEAT



< REMOVAL AND INSTALLATION >

- 1. Center headrest
- 4. Headrest holder (free)
- 7. Seatback pad
- 10. Strap link cover
- 13. Seat hinge arm cover
- 16. Seatback lock relay
- 19. Seat cushion carpet
- 22. Seat torsion bar
- 25. Washer
- 28. Seat harness assembly
- 31. Center seat belt buckle
- 34. Reclining cable
- 37. Seat cushion inner hinge cover
- 40. Seatback hook assembly
- 43. Reinforcement pipe assembly
- 46. Bush B
- ∠____: Pawl

: N·m (kg-m, ft-lb)

LH SIDE SEAT

- 2. Headrest RH
- 5. Seatback silencer
- 8. Seatback strap (front)
- 11. Seat cushion hinge cap
- 14. Seatback lock actuator
- 17. Seat cushion trim
- 20. Torsion bar silencer
- 23. Seat torsion bar inner bracket
- 26. Seat adjuster assembly
- 29. Control unit bracket
- 32. RH seat belt buckle
- 35. Connector buckle
- 38. Reclining arm cover
- 41. Seatback frame
- 44. Seat hinge cover
- 47. Reclining device assembly
- 3. Headrest holder (locked) А 6. Seatback trim 9. Seatback strap (rear) 12. Seat cushion outer hinge cover В 15. Actuator bracket 18. Seat cushion pad 21. Seat torsion bar outer bracket 24. Bush A 27. Seat adjuster lower carpet Seat control unit 30. D 33. Anchor bolt 36. Reclining device cover Ε 39. Seatback board 42. Seat hinge assembly Seat cushion frame assembly 45. F 48. Seat link assembly

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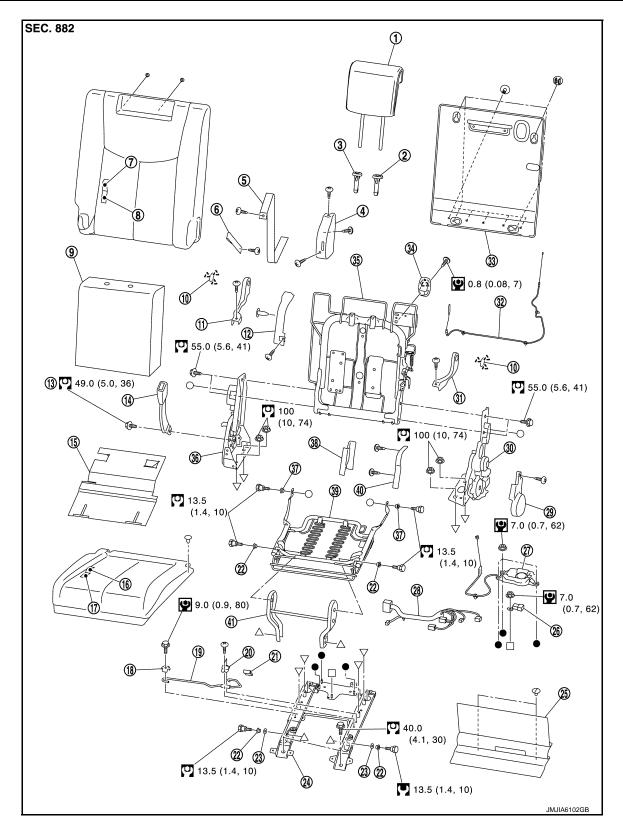
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< REMOVAL AND INSTALLATION >



- 1. Headrest
- 4. Strap link cover
- 7. Seatback trim
- 10. Seat cushion hinge cap
- 13. Anchor bolt
- 16. Seat cushion trim

- 2. Headrest holder (locked)
- 5. Seatback strap (rear)
- 8. Seatback pad
- 11. Seat cushion inner hinge cover
- 14. LH seat belt buckle
- 17. Seat cushion pad

- 3. Headrest holder (free)
- 6. Seatback strap (front)
- 9. Seatback silencer
- 12 Reclining device cover
- 15. Seat adjuster lower carpet
- 18. Seat torsion bar inner bracket

20. Seat torsion bar outer bracket

26. Seatback lock relay

29. Seat hinge arm cover

Reclining cable

38. Reclining arm cover

41. Seat link assembly

35. Seatback frame

23. Washer

32.

< REMOVAL AND INSTALLATION >

- 19. Seat torsion bar
- 22. Bush A
- 25. Seat cushion carpet
- 28. Seat harness assembly
- 31. Seat cushion outer hinge cover
- 34. Seatback hook assembly
- 37. Bush B
- 40. Seat hinge cover
- $\hat{\Delta}$: Pawl

: N·m (kg-m, ft-lb)

Removal and Installation

REMOVAL

RH side seat

- Remove headrest. 1.
- 2. Remove hook and loop fastener (A) on seat cushion carpet and disengage clips.
- 3. Remove hook and loop fastener (B) on seat cushion carpet and remove seat cushion carpet.

() : Clip

(A) B

21. Torsion bar silencer

33. Seatback board

30.

24. Seat adjuster assembly

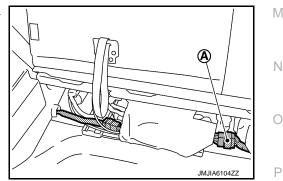
27. Seatback lock actuator

Seat hinge assembly

36. Reclining device assembly

39. Seat cushion frame assembly

- 4. Remove front outer mounting bolt.
- Remove front inner mounting bolt.
- Operate seatback strap and fold seatback toward vehicle front.
- Remove luggage floor rear board. Refer to INT-40, "LUGGAGE FLOOR REAR BOARD : Removal and 7. Installation".
- Remove cable cover. Refer to INT-41, "CABLE COVER : Removal and Installation".
- Remove rear outer mounting bolt.
- 10. Remove rear inner mounting bolt.
- 11. Disconnect harness connector (A). (only for seat with seatback power return system or seatback power folding system)



12. Remove seat from the vehicle. CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

LH side seat

1. Remove headrest.

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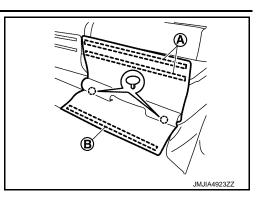
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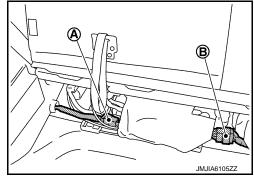
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< REMOVAL AND INSTALLATION >

- 2. Remove hook and loop fastener (A) on seat cushion carpet and disengage clips.
- 3. Remove hook and loop fastener (B) on seat cushion carpet and remove seat cushion carpet.
 - () : Clip



- 4. Remove front outer mounting bolt.
- 5. Remove front inner mounting bolt.
- 6. Operate seatback strap and fold seatback toward vehicle front.
- 7. Remove luggage floor rear board. Refer to <u>INT-40. "LUGGAGE FLOOR REAR BOARD : Removal and Installation"</u>.
- 8. Remove cable cover. Refer to INT-41, "CABLE COVER : Removal and Installation".
- 9. Remove rear outer mounting bolt.
- 10. Remove rear inner mounting bolt.
- 11. Disconnect harness connector (A) and (B). (only for seat with seatback power return system or seatback power folding system)



12. Remove seat from the vehicle. CAUTION:

When removing and installing, use shop cloths to protect parts from damage.

INSTALLATION

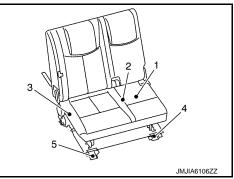
RH side seat

Note the following items, and install in the reverse order of removal.

CAUTION:

- When removing and installing, use shop cloths to protect parts from damage.
- Before tightening bolts, check that the carpet is not caught in bolt holes on mounting portion.
- When installing seat to the vehicle, fold seatback toward vehicle front, and then mount the seat to the vehicle.
- When installing, tighten mounting bolts according to the numerical order as shown in the figure, starting from rear inner mounting bolt.

For the specified torque, refer to <u>SE-122, "Exploded View"</u>.

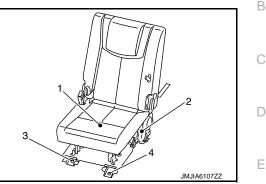


LH side seat Note the following items, and install in the reverse order of removal.

< REMOVAL AND INSTALLATION >

CAUTION:

- When removing and installing, use shop cloths to protect parts from damage.
- Before tightening bolts, check that the carpet is not caught in bolt holes on mounting portion.
 When installing seat to the vehicle, fold seatback toward vehicle front, and then mount the seatback toward vehicle.
- When installing seat to the vehicle, fold seatback toward vehicle front, and then mount the seat to the vehicle.
- When installing, tighten mounting bolts according to the numerical order as shown in the figure, starting from rear inner mounting bolt.
 For the specified torque, refer to <u>SE-122, "Exploded View"</u>.



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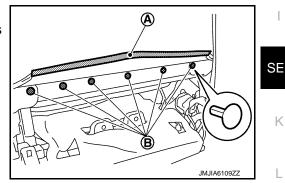
SEATBACK

SEATBACK : Disassembly and Assembly

DISASSEMBLY

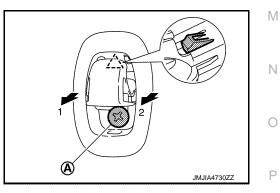
RH side seat

- 1. Remove RH seat belt buckle and center seat belt buckle. Refer to <u>SB-19, "SEAT BELT BUCKLE :</u> <u>Removal and Installation"</u>.
- Remove seat cushion frame assembly from seatback. Refer to <u>SE-132, "SEAT CUSHION : Disassembly</u> and <u>Assembly"</u>.
- 3. Remove seatback hook and loop fastener (A).
- Roll up seatback trim, and then remove seatback trim fixing clips (B).



- 5. Remove seatback hook assembly.
- a. Rotate seatback hook to the position where mounting screw (A) can be removed, and then remove screw.
- b. Pull seatback hook assembly forward, disengage pawl, and then remove seatback hook assembly from the seatback.

<u>کک</u>: Pawl

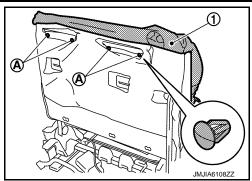


< REMOVAL AND INSTALLATION >

 Pull up seatback trim (1) to the position where seatback trim mounting clips (A) can be removed.
 CAUTION:

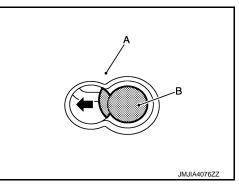
Be careful not to damage seatback trim when pulling up seatback trim.

7. Remove seatback trim fixing clips.



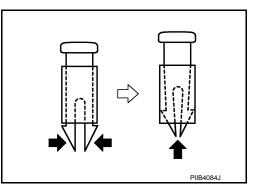
- 8. Remove seatback board and seatback board fixing clips from seatback frame.
- a. Slide and align the clips (B) to the holes on the seatback as shown in the figure, and then remove the seatback board (A).
 CAUTION:

Always slide clips before removing seatback board. Clips may be damaged if seatback board is removed without sliding the clips.



- b. Remove seatback board fixing clips from seatback frame.
- Use pincers, etc., to press up pawls as shown by the arrows in the figure, and remove headrest holder from seatback.
 CAUTION:

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



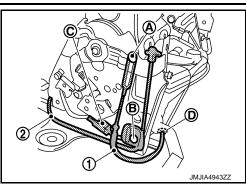
- 10. Pull out seatback strap from seatback pad.
- 11. Remove seatback trim and seatback pad from seatback frame.
- 12. Remove hog rings, and separate the seatback trim and seatback pad.

Before performing separating operation, check the installation position of hog rings.

- 13. Remove seatback silencer from seatback frame.
- 14. Remove seat hinge assembly and reclining device assembly from seat adjuster assembly.
- a. Remove seat adjuster lower carpet retainer, and then remove seat adjuster lower carpet from seat adjuster assembly.
- b. Remove fixing screws, and then remove seat hinge arm cover and seat hinge cover from seat hinge assembly.
- c. Remove fixing screws and clip, and then remove reclining arm cover and reclining device cover from reclining device assembly.
- d. Remove following parts from reclining device assembly.

< REMOVAL AND INSTALLATION >

- Remove fixing screw (A), and then remove reclining wire (1). i.
- ii. Remove fixing screw (B), and then remove actuator wire (2). (only for seat with seatback power return system or seatback power folding system)
- iii. Disconnect harness connector (C). (only for seat with seatback power return system)
- iv. Remove wire clamp (D).



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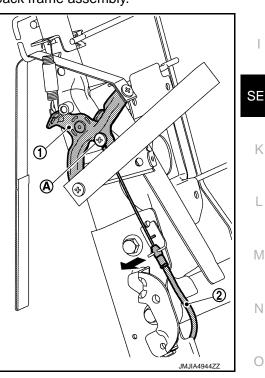
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- Remove following parts from seat hinge assembly. e.
- i. Disconnect harness connector (A) and (B). (only for seat with seatback power return system)
- ii. Remove wire clamp (C).
- iii. Remove wire clamp and harness clamp (only for seat with seatback power return system) (D).



- Remove fixing screws, and then remove strap link cover from seatback frame assembly. f.
- Remove reclining wire (2) fixing screw (A) installed on strap link g. (1).
- h. Remove reclining wire from seat hinge assembly in direction indicated by the arrow as shown in the figure.



- Remove fixing screws, and then remove seatback strap (front and rear). i.
- Remove mounting nuts, and then remove reinforcement pipe assembly from seat adjuster assembly. j.
- Remove seat hinge assembly and reclining device assembly from seat adjuster assembly. k.
- 15. Remove mounting bolts, and then remove seat hinge assembly and reclining device assembly from seatback frame assembly.

LH side seat

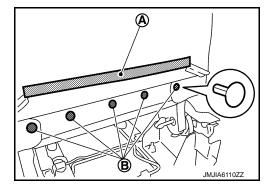
- Remove LH seat belt buckle. Refer to SB-19, "SEAT BELT BUCKLE : Removal and Installation". 1.
- Remove seat cushion frame assembly from seatback frame assembly. 2.

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< REMOVAL AND INSTALLATION >

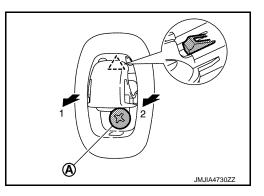
Refer to SE-132, "SEAT CUSHION : Disassembly and Assembly".

- 3. Remove seatback hook and loop fastener (A).
- 4. Roll up seatback trim, and then remove fixing clips (B).



- 5. Remove seatback hook assembly.
- a. Rotate seatback hook to the position where mounting screw (A) can be removed, and then remove screw.
- b. Pull seatback hook assembly forward, disengage pawl, and then remove seatback hook assembly from the seatback.

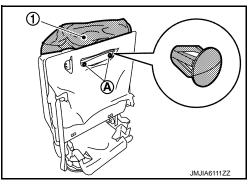
2 : Pawl



 Pull up seatback trim (1) to the position where seatback trim mounting clips (A) can be removed.
 CAUTION:

Be careful not to damage seatback trim when pulling up seatback trim.

7. Remove seatback trim fixing clips.



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- 8. Remove seatback board and fixing clips.
- a. Slide and align the clips (B) to the holes on the seatback as shown in the figure, and then remove the seatback board (A). CAUTION:

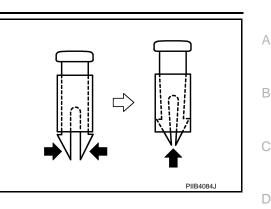
Always slide clips before removing seatback board. Clips may be damaged if seatback board is removed without sliding the clips.

b. Remove seatback board fixing clips from seatback frame.

< REMOVAL AND INSTALLATION >

 Use pincers, etc., to press up pawls as shown by the arrows in the figure, and remove headrest holder from seatback. CAUTION:

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



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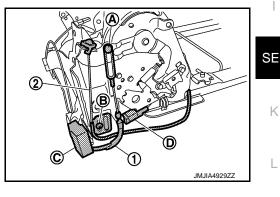
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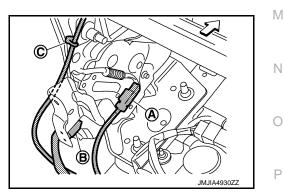
- 10. Pull out seatback strap from seatback pad.
- 11. Remove seatback trim and seatback pad from seatback frame assembly.
- 12. Remove hog rings, and separate the seatback trim and seatback pad.

Before performing separating operation, check the installation position of hog rings.

- 13. Remove seatback silencer from seatback frame.
- 14. Remove seat hinge assembly and reclining device assembly from seat adjuster assembly.
- a. Remove seat adjuster lower carpet retainer, and then remove seat adjuster assembly from seat adjuster assembly.
- b. Remove fixing screws and clips, and then remove reclining device cover and reclining arm cover from reclining device assembly.
- c. Remove fixing screws, and then remove seat hinge arm cover and seat hinge cover from seat hinge assembly.
- d. Remove following parts from reclining device assembly.
- i. Remove fixing screw (A), and then remove reclining wire (1).
- ii. Remove fixing screw (B), and then remove actuator wire (2). (only for seat with seatback power return system or seatback power folding system)
- iii. Remove harness connector clip (C). (only for seat with seatback power return system or seatback power folding system)
- iv. Disconnect harness connector (D). (only for seat with seatback power return system)



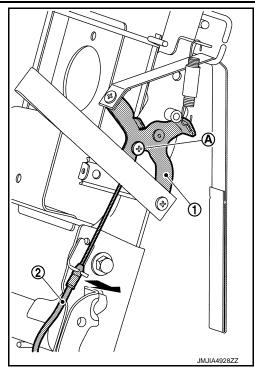
- e. Remove following parts from seat hinge assembly.
- i. Disconnect harness connector (A) and (B). (only for seat with seatback power return system)
- ii. Remove wire clamp (C).



f. Remove fixing screws, and then remove strap link cover from seatback frame assembly.

< REMOVAL AND INSTALLATION >

- g. Remove reclining wire (2) fixing screw (A) installed on strap link (1).
- h. Remove reclining wire from seat hinge assembly in direction indicated by the arrow as shown in the figure.



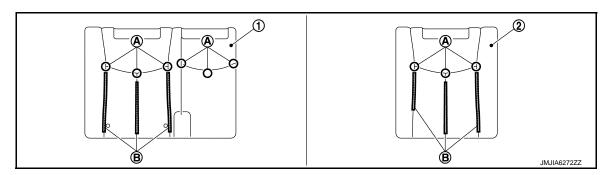
- i. Remove mounting nut, and then remove seat hinge assembly and reclining device assembly from seat adjuster assembly.
- 15. Remove mounting bolts, and then remove seat hinge assembly and reclining device assembly from seatback frame assembly.

ASSEMBLY

Note the following, and assemble in the reverse order of disassembly.

CAUTION:

- Check seatback trim and seatback pad for damage. Replace with new part if necessary.
- Install hog ring (A) to the specified position as shown in the figure.



1. Seatback RH

2. Seatback LH

B. hook and loop fastener

SEAT CUSHION

SEAT CUSHION : Disassembly and Assembly

DISASSEMBLY

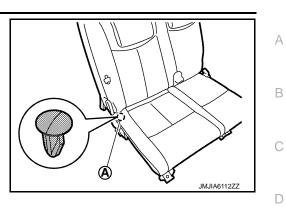
RH side seat

- 1. Remove seat belt connector buckle. Refer to <u>SB-19, "SEAT BELT BUCKLE : Removal and Installation"</u>.
- 2. Remove seat cushion trim retainer from seat cushion frame assembly.

SE-132

< REMOVAL AND INSTALLATION >

- 3. Disengage seat cushion trim fixing clip (A).
 - () : Clip



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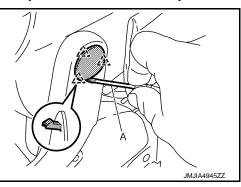
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- 4. Remove seat cushion trim and seat cushion pad from seat cushion frame assembly.
- Remove hog rings, and separate the seatback trim and seatback pad.
 CAUTION:
 Defense performing expection, sheak the installation position of the seatback pade.

Before performing separating operation, check the installation position of hog rings.

- 6. Remove seat cushion frame assembly from seatback.
- a. Remove mounting bolts, and then remove seat cushion frame assembly from seat link assembly.
- b. Disengage pawls using a screwdriver (A), and then remove seat cushion hinge cover cap of the seat cushion outer hinge cover and seat cushion inner hinge cover.

2 : Pawl



C.	Remove mounting bolts, and then remove seat cushion frame assembly from seatback.	SE
7.	Remove following parts from seat cushion frame assembly.Remove fixing screw, and then remove seat cushion outer hinge cover.Remove fixing screw, and then remove seat cushion inner hinge cover.	K
8.	Remove mounting bolts, and then remove seat link assembly from seat adjuster assembly.	N
9.	Remove mounting nuts, and then remove reinforcement pipe assembly, seat hinge assembly and reclin- ing device assembly from seat adjuster assembly. Refer to <u>SE-127, "SEATBACK : Disassembly and Assembly"</u> .	L
10.	Remove control unit bracket from reinforcement pipe assembly. (only for seat with seatback power return system)	в. 4
a.	Disconnect harness connector.	Μ
b.	Remove mounting nuts, and then remove seatback power return control unit.	
C.	Remove harness clamp installed on control unit bracket.	Ν
d.	Remove fixing screws, and then remove control unit bracket.	
11.	Remove actuator bracket from reinforcement pipe assembly. (only for seat with seatback power return system or seatback power folding system)	0
a.	Disconnect harness connector.	
b.	Remove fixing nuts and wire clamp, and then remove seatback lock release actuator from actuator bracket.	Ρ
C.	Disconnect harness connector, and then remove seatback lock release relay.	
d.	Remove fixing screw, and then remove actuator bracket.	
12.	Remove seat harness assembly from seat adjuster assembly. (only for seat with seatback power return system or seatback power folding system)	
13.	Remove seat torsion bar.	

a. Remove mounting bolt, and then remove seat torsion bar inner bracket.

SE-133

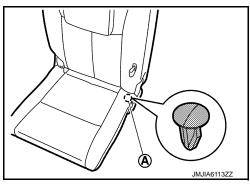
< REMOVAL AND INSTALLATION >

- b. Remove fixing screws, and then remove seat torsion bar outer bracket.
- c. Remove seat torsion bar from seat adjuster assembly.
- 14. Remove seat torsion bar silencer from seat torsion bar.

LH side seat

- 1. Remove LH seat belt buckle. Refer to <u>SB-19, "SEAT BELT BUCKLE : Removal and Installation"</u>.
- 2. Remove seat cushion trim retainer from seat cushion frame assembly.
- 3. Disengage seat cushion trim fixing clip (A).

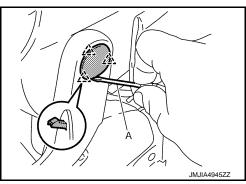
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- 4. Remove seat cushion trim and seat cushion pad from seat cushion frame assembly.
- 5. Remove hog rings, and separate the seatback trim and seatback pad. CAUTION:

Before performing separating operation, check the installation position of hog rings.

- 6. Remove seat cushion frame assembly from seatback.
- a. Remove mounting bolt, and then remove seat cushion frame assembly from seat link assembly.
- b. Disengage pawls using a screwdriver (A), and then remove seat cushion hinge cover cap of the seat cushion outer hinge cover and seat cushion inner hinge cover.



- c. Remove mounting bolts, and then remove seat cushion frame assembly from seatback.
- 7. Remove following parts from seat cushion frame assembly.
 - Remove fixing screw, and then remove seat cushion outer hinge cover.
 - Remove fixing screw, and then remove seat cushion inner hinge cover.
- 8. Remove mounting bolts, and then remove seat link assembly from seat adjuster assembly.
- 9. Remove mounting nuts, and then remove seat hinge assembly and reclining device assembly from seat adjuster assembly.

Refer to SE-127, "SEATBACK : Disassembly and Assembly".

- 10. Remove seatback lock release actuator. (only for seat with seatback power return system or seatback power folding system)
- a. Disconnect harness connector.
- b. Remove fixing nuts and wire clamp, and then remove seatback lock release actuator from seat adjuster assembly.
- 11. Remove seatback lock release relay. (only for seat with seatback power return system or seatback power folding system)
- a. Disconnect harness connector.
- b. Remove mounting nut, and then remove seatback lock release relay from seat adjuster assembly.
- 12. Remove seat harness assembly from seat adjuster assembly. (only for seat with seatback power return system or seatback power folding system)

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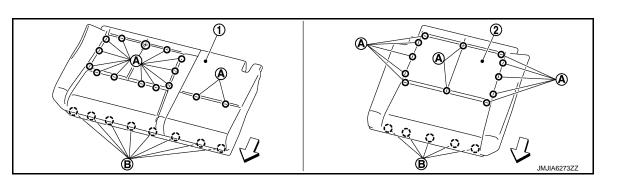
- 13. Remove seat torsion bar.
- a. Remove mounting bolt, and then remove seat torsion bar inner bracket.
- b. Remove fixing screws, and then remove seat torsion bar outer bracket.
- c. Remove seat torsion bar from seat adjuster assembly.
- 14. Remove seat torsion bar silencer from seat torsion bar.

ASSEMBLY

Note the following, and assemble in the reverse order of disassembly.

CAUTION:

- Check seat cushion trim and seat cushion pad for damage. Replace with new part if necessary.
- Install seat cushion front hog rings (A) and seat cushion back hog rings (B) to the specified positions.



- 1. Seat cushion RH
- 2. Seat cushion LH
- C : Vehicle front
- If crimping using a hog ring is unsuccessful, secure using a new hog ring.
- Tighten seat belt buckle anchor bolt to the specified torque. For the specified torque, refer to <u>SE-122, "Exploded View"</u>.

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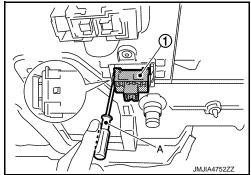
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THIRD SEAT FOLD SWITCH

Removal and Installation

REMOVAL

- 1. Remove luggage side lower finisher. Refer to <u>INT-43, "LUG-GAGE SIDE LOWER FINISHER : Removal and Installation"</u>.
- 2. Remove third seat fold switch (1) from luggage side lower finisher using remover tool (A).



INSTALLATION Install in the reverse order of removal.

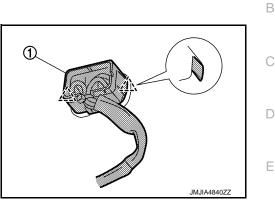
LUMBAR SUPPORT SWITCH

Removal and Installation

REMOVAL

- Remove seat cushion inner finisher (For manual seat. Refer to <u>SE-88, "Removal and Installation"</u>) or outer finisher (For power seat. Refer to <u>SE-102, "Removal and Installation"</u>).
- 2. Remove lumber support switch (1) from seat cushion finisher.

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INSTALLRATION Install in the reverse order of removal.

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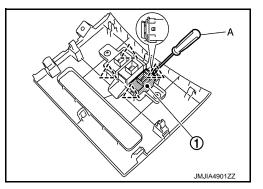
HEATED SEAT SWITCH

Removal and Installation

REMOVAL

- 1. Remove instrument lower center panel. Refer to <u>IP-14</u>, <u>"Removal and Installation"</u>.
- 2. Remove heated seat switch (1) from instrument lower center panel using remover tool (A).

<u>^</u> : Pawl



INSTALLRATION Install in the reverse order of removal.

SEATBACK POWER RETURN CONTROL UNIT

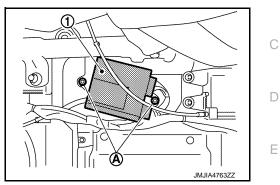
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SEATBACK POWER RETURN CONTROL UNIT

Removal and Installation

REMOVAL

- 1. Remove luggage floor front board. Refer to <u>INT-42. "LUGGAGE</u> <u>FLOOR FRONT BOARD : Removal and Installation"</u>.
- 2. Remove screws (A), and then remove seatback power return control unit (1).



INSTALLRATION Install in the reverse order of removal.

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