

D

Е

F

CONTENTS

BASIC INSPECTION4	ļ
DIAGNOSIS AND REPAIR WORK FLOW 4 Work Flow	
SYSTEM DESCRIPTION	5
POWER SEAT	5
HEATED SEAT	7
LUMBAR SUPPORT 8 System Description 8 Component Parts Location 8 Component Description 8	3
REAR SEATBACK POWER RETURN SYS- TEM	9
DTC/CIRCUIT DIAGNOSIS13	3
POWER SUPPLY AND GROUND CIRCUIT13	3
REAR SEATBACK POWER RETURN CONTROL UNIT13 REAR SEATBACK POWER RETURN CONTROL UNIT : Diagnosis Procedure13	
FRONT POWER RETURN SWITCH14	ļ
LH: Component Function Check	1

LH : Diagnosis Procedure14 LH : Component Inspection15	F
RH	G
RH : Component Inspection16 REAR POWER RETURN SWITCH18	Н
LH 18 LH : Description 18 LH : Component Function Check 18 LH : Diagnosis Procedure 18 LH : Component Inspection 19	SE
RH 19 RH : Description 19 RH : Component Function Check 19 RH : Diagnosis Procedure 19 RH : Component Inspection 20	K
PRIMARY POSITION LIMIT SWITCH22	
LH 22 LH : Description 22 LH : Component Function Check 22 LH : Diagnosis Procedure 22 LH : Component Inspection 23	M
LH : Component Inspection 23 RH 23 RH : Description 23 RH : Component Function Check 23 RH : Diagnosis Procedure 24	0
RH: Component Inspection25 RETURN COMPLETE LIMIT SWITCH26	Р
LH 26 LH : Description 26 LH : Component Function Check 26 LH : Diagnosis Procedure 26	

LH : Component Inspection	27	BOTH SIDES	72
RH	27	BOTH SIDES : Diagnosis Procedure	72
RH : Description		LH	72
RH : Component Function Check		LH : Diagnosis Procedure	
RH : Diagnosis Procedure		•	
RH : Component Inspection	29	RH : Diagnosis Procedure	
MOTOR SENSOR	30	KIT: Diagnosis Frocedure	/ 3
	50	MALFUNCTION DETECTION BUZZER	
LH		SOUNDS DURING POWER RETURN MO-	
LH : Description		TOR INVERSE ROTATION	. 75
LH : Component Function Check		LH	75
LH : Diagnosis Procedure	30	LH : Diagnosis Procedure	
RH	32	•	
RH : Description	32	RH	
RH : Component Function Check		RH : Diagnosis Procedure	75
RH : Diagnosis Procedure	32	DOES NOT RETURN BUT MALFUNCTION	
POWER RETURN MOTOR	35	DETECTION BUZZER SOUNDS	. 77
TOWER RETORN MOTOR	33		
LH		LH	
LH: Description		LH : Diagnosis Procedure	77
LH: Component Function Check		RH	77
LH : Diagnosis Procedure	35	RH : Diagnosis Procedure	
RH	36	•	
RH : Description		ANTI-PINCH FUNCTION DOES NOT OPER-	
RH: Component Function Check	36	ATE	
RH : Diagnosis Procedure		Diagnosis Procedure	78
VEHICLE SPEED SIGNAL CIRCUIT	27	SQUEAK AND RATTLE TROUBLE DIAG-	
Description		NOSES	79
Component Function Check		Work Flow	79
Diagnosis Procedure		Inspection Procedure	
		Diagnostic Worksheet	83
POWER SEAT	39	DDECAUTION	٥.
Wiring Diagram - POWER SEAT (FOR DRIVER		PRECAUTION	. 85
SIDE)		PRECAUTIONS	85
Wiring Diagram - POWER SEAT (FOR PASSENGER SIDE)			
,		FOR USA AND CANADA	
HEATED SEAT	47	FOR USA AND CANADA: Precaution for Supple-	
Wiring Diagram - HEATED SEAT (FRONT)		mental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"	0.5
Wiring Diagram - HEATED SEAT (REAR)	51	FOR USA AND CANADA : Service Notice	
LUMBAR SUPPORT	5 7	FOR USA AND CANADA: Service Notice	
Wiring Diagram - LUMBAR SUPPORT			
Willing Diagram Collidate Of Force	51	FOR MEXICO	86
ECU DIAGNOSIS INFORMATION	62	FOR MEXICO : Precaution for Supplemental Re-	
DEAD OF ATD A OV DOWED DETURN CON		straint System (SRS) "AIR BAG" and "SEAT BELT	
REAR SEATBACK POWER RETURN CON-		PRE-TENSIONER"	
TROL UNIT		FOR MEXICO : Service NoticeFOR MEXICO : Precaution for Work	
Reference Value		FOR IVIENICO . FIECAULION IOI WORK	80
Wiring Diagram - REAR SEATBACK POWER RE TURN SYSTEM		PREPARATION	. 88
Fail Safe			
i aii Gaic	10	PREPARATION	
SYMPTOM DIAGNOSIS	72	Special Service Tool	
DEAD CEATDACK BOWER RETURN OVC		Commercial Service Tool	88
REAR SEATBACK POWER RETURN SYS- TEM DOES NOT OPERATE	70	CLIP LIST	. 89
ILIVI DUES INUI UPERATE	/ 2		

Clip List	89
REMOVAL AND INSTALLATION	90
FRONT SEAT	90
Exploded View	90
Removal and Installation	97
Disassembly and Assembly	97
REAR SEAT	105
Exploded View	
Removal and Installation	
Disassembly and Assembly	109
SEATBACK CONTROL CABLE	115
Exploded View	
Removal and Installation	
REAR SEAT BACK POWER RETURN CO	ON-
TROL UNIT	
Exploded View	
Removal and Installation	
POWER SEAT SWITCH	119

Exploded View119 Removal and Installation119
LUMBAR SUPPORT SWITCH120Exploded View120Removal and Installation120
HEATED SEAT SWITCH121
FRONT SEAT
REAR SEAT
FRONT POWER RETURN SWITCH123 Exploded View
REAR POWER RETURN SWITCH124 Exploded View

SE

Α

В

С

D

Е

F

G

Н

Κ

L

 \mathbb{N}

Ν

0

DIAGNOSIS AND REPAIR WORK FLOW

< BASIC INSPECTION >

BASIC INSPECTION

DIAGNOSIS AND REPAIR WORK FLOW

Work Flow

DETAILED FLOW

1. OBTAIN INFORMATION ABOUT SYMPTOM

Interview the customer to obtain the malfunction information (conditions and environment when the malfunction occurred) as much as possible when the customer brings the vehicle in.

>> GO TO 2.

2.REPRODUCE THE MALFUNCTION INFORMATION

Check the malfunction on the vehicle that the customer describes. Inspect the relation of the symptoms and the condition when the symptoms occur.

>> GO TO 3.

3.IDENTIFY THE MALFUNCTIONING SYSTEM WITH "SYMPTOM DIAGNOSIS"

Use "Symptom diagnosis" from the symptom inspection result in step 2 and then identify where to start performing the diagnosis based on possible causes and symptoms.

>> GO TO 4.

4. IDENTIFY THE MALFUNCTIONING PARTS WITH "COMPONENT DIAGNOSIS"

Perform the diagnosis with "Component diagnosis" of the applicable system.

>> GO TO 5.

5.REPAIR OR REPLACE THE MALFUNCTIONING PARTS

Repair or replace the specified malfunctioning parts.

>> 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

NO >> GO TO 3.

SYSTEM DESCRIPTION

POWER SEAT

System Description

BCM can operate regardless of the ignition switch position, because battery power is supplied at all times to power seat switch.

SLIDING OPERATION

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

While operating the reclining switch located in power seat switch, reclining motor operates and makes possible the seat back forward and backward position adjustment.

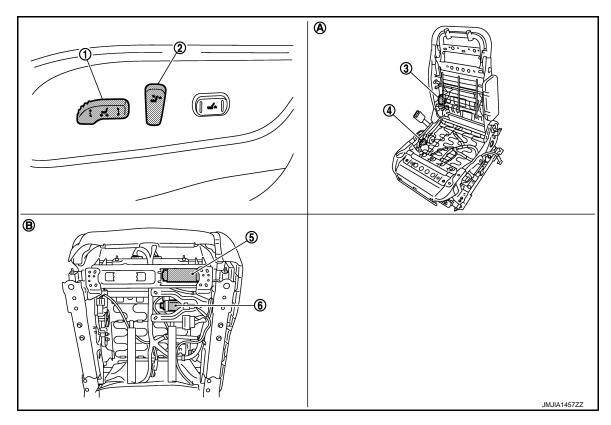
LIFTING OPERATION

While operating the lifting switch located in power seat switch, lifting motor operates and makes possible the seat cushion up and down position adjustment.

Component Parts Location

INFOID:0000000006259090

INFOID:0000000006259089



- Sliding switch and lifting switch (driv- 2. er side) B414
- 4. Lifting motor (rear) (driver side) B418 5.
- A. View with seat cushion pad and seat B. back pad are removed.
- Reclining switch (driver side) B414
- Sliding motor (driver side) B416
- Back side of seat cushion
- 3. Reclining motor (driver side) B415
- i. Lifting motor (front) (driver side) B417

Revision: 2011 November SE-5 2011 MURANO

В

C

Α

D

Е

F

0

Н

SE

K

Ν

0

POWER SEAT

< SYSTEM DESCRIPTION >

Component Description

INFOID:0000000006259091

Item	Function
ВСМ	Supplies at all times the power received from battery to power seat switch
Power seat switch	Built-in reclining switch, sliding switch and lifting switch, controls the power supplied to each motor
Reclining motor	With the power supplied from power seat switch, operates the forward and backward movement of seatback
Sliding motor	With the power supplied from power seat switch, operates the forward and backward slide of seat
Lifting motor (front/rear)	With the power supplied from power seat switch, operates the up and down movement of seat cushion

HEATED SEAT

System Description

INFOID:0000000006259092

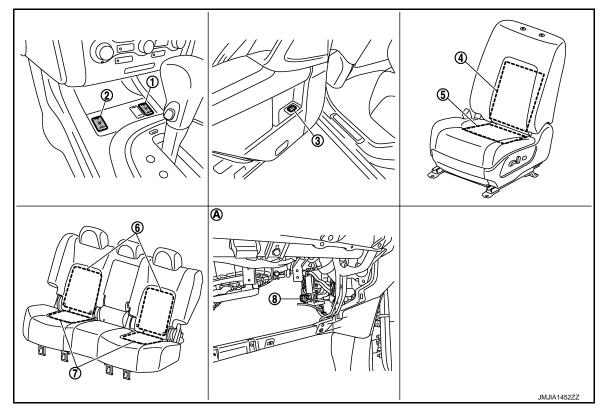
Heated seat is a system that operates when ignition switch is in ON position.

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.

Component Parts Location

INFOID:0000000006259093



- Front heated seat switch (passenger 2. side) M203
- Front heated seat switch (driver side) M202

Seat cushion heater (front seat)

Heated seat relay (rear seat) M58

• Driver side B412

• Passenger side B432

- 3. Rear heated seat switch
 - LH: D70
 - RH: D72
- 6. Seat back heater (rear seat)

- 4. Seat back heater (front seat)
 - Driver side B413
 - Passenger side B433
- 7. Seat cushion heater (rear seat)

A. View with glove box assembly removed

Component Description

INFOID:0000000006259094

Item	Function
Heated seat switch	Power is supplied to each heater Depending on LOW/HIGH position of switch, operating heater number is changeable
Seat cushion heater	Built-in seat cushion, the heater operates with the power supplied from heater seat switch
Seat back heater	Built-in seatback, the heater operates with the power supplied from heater seat switch

Revision: 2011 November SE-7 2011 MURANO

D

Α

В

Е

F

G

Н

SE

r\

ı

M

Ν

Ρ

LUMBAR SUPPORT

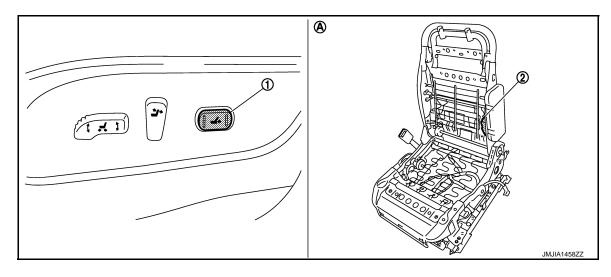
System Description

- Lumbar support can operate regardless of the ignition switch position because battery power is supplied to it at all times.
- While operating the lumbar support switch, lumbar support motor operates which allows forward and backward operation of seatback support.

Component Parts Location

INFOID:0000000006259096

INFOID:0000000006259095



- Lumbar support switch
 B457 (With automatic drive positioner)
 B407(Without automatic drive positioner)
- A. View with seat back pad is removed
- Lumbar support motor B458 (With automatic drive positioner)
 B408(Without automatic drive positioner)

Component Description

INFOID:0000000006259097

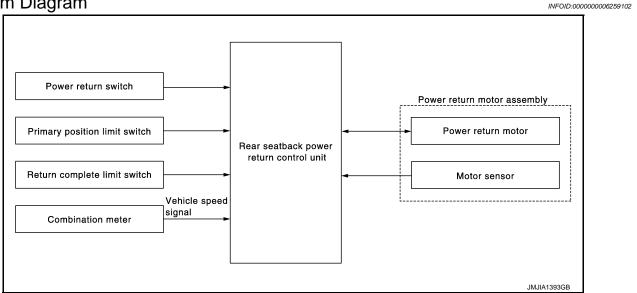
Item	Function
Lumbar support switch	Controls the power supplied to lumbar support motor
Lumbar support motor	With the power supplied from lumbar support switch, operates the forward and backward movement of seatback support device

REAR SEATBACK POWER RETURN SYSTEM

< SYSTEM DESCRIPTION >

REAR SEATBACK POWER RETURN SYSTEM

System Diagram



System Description

INFOID:0000000006259103

DESCRIPTION

- The rear seat back power return system is the system that enables the return operation of the left and right rear seatbacks independently by pressing and holding the power return switch on the instrument panel or in the luggage room.
- As for the safety mechanism, the reverse operation is performed if the power return switch is released during
 the return operation. The anti-pitch function is installed so that the automatic reverse operation is performed
 if the pinching of foreign materials between the left and right rear seatbacks is detected.

OPERATION DESCRIPTION

The rear seatback power return system consists of the sector gear that transmits the movement information of rear seatback power return control unit, power return switch, power return motor, motor sensor, primary position limit switch, return complete limit switch and power return motor.

Return Operation Starting Condition

The rear seat back return operation starts when all of the following conditions are satisfied.

- Vehicle speed 2 km/h (1 MPH) or less
- Return complete limit switch: ON
- The battery voltage is normal

Operation sequence	Rear seatback condition	Sector gear condition	Primary position limit switch	Return complete limit switch
1	Return completion position	Initial position	OFF	OFF
2	Fold-down position	Initial position	OFF	ON
3	Active	Return non-completion position	$OFF \to ON$	ON
4	Return completion position	Return completion position	ON	OFF
5	Return completion position	Initial position	OFF	OFF

- In the condition that the rear seatback is raised (return completion position), the sector gear is in the initial position and the primary position limit switch and return complete limit switch are OFF.
- When manually operating the rear seatback to the fold-down position, the return complete limit switch turns ON, and the rear seatback power return control unit judges that the rear seatback is tilted (return non-completion position).

SE

Α

K

L

M

Ν

0

REAR SEATBACK POWER RETURN SYSTEM

< SYSTEM DESCRIPTION >

- When pressing the power return switch on the instrument panel or in the luggage room, the rear seatback power return control unit detects the power return ON signal and supplies the power to the power return motor. Then, the rear seatback power return control unit sounds the operation start buzzer.
- With the power supplied from the rear seat back power control unit, the power return motor rotates in the return direction. The rear seatback starts the return operation via the sector gear.
- When the sector gear starts rotating in the return direction, the primary position limit switch turns ON. The rear seatback power return control unit judges that the sector gear is in any position other than the initial position.
- When the rear seatback moves to the return position, the return complete limit switch turns OFF. The rear seatback power return control unit activates the return completion buzzer and stops the power return motor. Then, the rear seatback power return control unit reverses the power return motor after 0.2 seconds so that the sector gear returns to the initial position.
- When the sector gear returns to the initial position by reverse rotation of the power return motor, the primary
 position limit switch turns OFF. The rear seatback power return control unit stops the reverse operation of
 the power return motor. The return operation is completed.
- When releasing the power return switch during the return operation (both the primary position limit switch and return complete limit switch are ON), the rear seatback power return control unit detects the power switch OFF signal and returns the rear seatback to the fold-down position by the reverse rotation of the power return motor. When pushing the switch again during the reverse operation, the return operation restarts.

NOTE:

Disconnect the battery with the sector gear in any position other than the initial position (primary position limit switch: ON). The sector gear is returned to the initial position when the battery is connected again.

ANTI-PINCH OPERATION

When the pinch between RH/LH rear seatbacks is detected during the return operation, the malfunction detecting buzzer sounds and the rear seatback returns to the fold-down position.

- If there is a pinching of foreign materials between the left and right rear seatbacks during the return operation (both the primary position limit switch and return complete switch are ON), the voltage pulse of motor sensor changes.
- When inputting the pinching signal from the motor sensor, the rear seatback power return control unit sounds the malfunction detecting buzzer and stops the power return motor. Then, the rear seatback power return control unit reverses the power return motor after 0.2 second so that the rear seatback returns to the fold-down position.

SECTOR GEAR REVERSE STARTING CONDITION

If any of the following conditions are satisfied, the sector gear may be reversed.

- Rear seatback return is completed (return complete limit switch: OFF)
- Release the power return switch before completing the return
- Pinch detection
- Lock detection of power return motor (Lock at normal rotation)
- The rear seatback return is not completed within 60 seconds
- Detect the battery voltage malfunction during the return operation
- Return to the normal condition after detecting the battery voltage malfunction during the return operation
- The primary position limit switch does not turn OFF → ON within the specified motor pulse number from starting the return operation.

SECTOR GEAR REVERSE STOP CONDITION

If any of the following conditions are satisfied, the reverse operation stops.

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

NOTE:

The battery voltage indicates the voltage between battery voltage (system) terminal 17 and GND (system) terminal 32 of rear seatback power return control unit. It is normal when the voltage is $7.5 \pm 10\%$ or more. If it is less than the specified value, there is a malfunction.

POWER CONSUMPTION CONTROL SYSTEM

Rear seatback power return control unit incorporates a power consumption control function that reduces the power consumption according to the vehicle status.

REAR SEATBACK POWER RETURN SYSTEM

< SYSTEM DESCRIPTION >

Low Power Consumption Mode

If all of the following conditions are satisfied for 30 seconds period of time, the system shifts to the low power consumption mode.

- · Power return switch is OFF
- Power return motor does not operate
- Vehicle speed 2 km/h (1 MPH) or less

If any of the following conditions are satisfied, the low power consumption mode is released.

- When the power return switch is pressed
- When the change occurs to the pulse of vehicle speed sensor

There are the following functions as the low power consumption mode.

- Turn the power supply of limit switch to OFF
- Turn the power supply of the motor sensor to OFF when the power return motor is not operated

INPUT/OUTPUT SIGNAL CHART

Item	Input signal to rear seatback power return control unit	Rear seatback power return function	Actuator
Power return switch	Power return switch signal		
Primary position limit switch	Primary position limit switch signal		
Return complete limit switch	Return complete limit switch signal	Rear seatback power return control	Power return motor
Motor sensor	Motor sensor signal		
Combination meter	Vehicle speed signal		

BUZZER OPERATION PATTERN AND ORDER OF PRIORITY

Operation type	Sound pattern	Priority
Malfunction	ON OFF 4000ms JMJIA1396ZZ	1
Return operation completed	ON OFF 100ms 200ms 100ms 100ms	2
Start return operation	ON OFF200ms	3

Revision: 2011 November SE-11 2011 MURANO

SE

В

D

Е

F

L

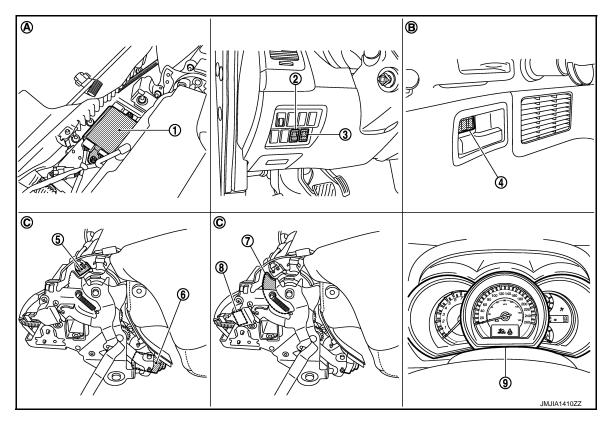
M

Ν

0

Component Parts Location

INFOID:0000000006259104



- Rear seatback power return control 2. unit B492, B493
- 4. Rear power return switch (LH) B106 5.
- 7. Sector gear (RH)
- A. Back of rear seat (RH)

- Front power return switch (LH) M114 3.
- 5. Primary position limit switch (RH)
 B495
- 8. Return complete limit switch (RH) B496
- B. Luggage side (LH)

- Front power return switch (RH) M113
- Power return motor assembly (RH) R494
- 9. Combination meter M34
- C. In seat device

Component Description

INFOID:0000000006259105

Item	Function
Rear seatback power return control unit	Control the rear seatback power return system
Power return motor	Operate the rear seatback
Motor sensor	Detect the operation of power return motor
Power return switch	Switch that performs the return operation
Primary position limit switch	Detect the initial position of sector gear
Return complete limit switch	Detect the return position of rear seatback
Combination meter	Transmit the vehicle speed signal
Sector gear	Transmit the operation of power return motor to rear seatback

POWER SUPPLY AND GROUND CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

DTC/CIRCUIT DIAGNOSIS

POWER SUPPLY AND GROUND CIRCUIT REAR SEATBACK POWER RETURN CONTROL UNIT

REAR SEATBACK POWER RETURN CONTROL UNIT: Diagnosis Procedure

NFOID:0000000006259106

Α

В

D

Е

F

Н

SE

K

1. CHECK FUSE

Check that the following fuses are not fusing.

Terminal No.	Signal name	Fuse No.
16	Rattory power supply	32 (30A)
17	Battery power supply	6 (10A)

Is the fuse fusing?

YES >> Replace the blown fuse after repairing the affected circuit if a fuse is blown.

NO >> GO TO 2.

2. CHECK POWER SUPPLY CIRCUIT

Turn ignition switch OFF.

- 2. Disconnect rear seatback power return control unit connector.
- 3. Check voltage between rear seatback power return control unit harness connector and ground.

(+) Rear seatback power return control unit			Voltage (Approx.)	
		(–)		
Connector	Terminal			
B492	16	Ground	Pottory voltogo	
B493	17	Ground	Battery voltage	

Is the measurement value normal?

YES >> GO TO 3.

NO >> Repair harness or connector.

3. CHECK GROUND CIRCUIT

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

Rear seatback power return control unit			Continuity
Connector	Terminal	- Ground	Continuity
B492	13		Existed
B493	32		EXISTED

Does continuity exist?

YES >> INSPECTION END

NO >> Repair harness or connector.

M

Ν

U

< DTC/CIRCUIT DIAGNOSIS >

FRONT POWER RETURN SWITCH

LH

LH: Description

Switch that performs the return operation.

LH: Component Function Check

INFOID:0000000006259109

1. CHECK FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the front power return switch (LH). Is the inspection result normal?

YES >> Front power return switch (LH) is OK.

NO >> Refer to SE-14, "LH: Diagnosis Procedure".

LH: Diagnosis Procedure

INFOID:0000000006259110

1.CHECK REAR SEATBACK POWER RETURN CONTROL UNIT INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect front power return switch (LH) connector.
- 3. Check voltage between front power return switch (LH) harness connector and ground.

(+) Front power return switch (LH)		(–)	Voltage (V) (Approx.)
Connector	Terminal		('FF')
M114	1	Ground	5

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK FRONT POWER RETURN SWITCH (LH) CIRCUIT

- 1. Disconnect rear seatback power return control unit connector.
- 2. Check continuity between rear seatback power return control unit harness connector and front power return switch (LH) harness connector.

Rear seatback pow	Rear seatback power return control unit		Front power return switch (LH)	
Connector	Terminal	Connector	Terminal	Continuity
B493	28	M114	1	Existed

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

Rear seatback power return control unit			Continuity
Connector Terminal		Ground	Continuity
M493	28		Not existed

Is the inspection result normal?

YES >> Replace rear seatback return control unit. Refer to <u>SE-118</u>, "Removal and Installation".

NO >> Repair or replace harness.

3.check front power return switch (LH) ground circuit

Check continuity front power return switch (LH) harness connector and ground.

Front power return swit		Continuity	
Connector	Ground	Continuity	
M114	2		Existed

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

f 4.CHECK FRONT POWER RETURN SWITCH (LH)

Check front power return switch (LH).

Refer to SE-15, "LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace front power return switch (LH). Refer to SE-123, "Removal and Installation".

5. CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

LH: Component Inspection

1. CHECK FRONT POWER RETURN SWITCH (LH)

- Turn ignition OFF.
- 2. Disconnect front power return switch (LH) connector.
- Check front power return switch (LH) terminals.

Front power return switch (LH) connector	Terminal		Condition	Continuity
M114	1 2		Front power return switch (LH) is pressed	Existed
WITT	1 2	Front power return switch (LH) is released	Not existed	

Is the inspection result normal?

YES >> Front power return switch (LH) is OK.

NO >> Replace front power return switch (LH). Refer to SE-123, "Removal and Installation".

RH

RH: Description

Switch that performs the return operation.

RH: Component Function Check

1. CHECK FUNCTION

Check that the rear seatback (RH) rises when pressing and holding the front power return switch (RH).

Is the inspection result normal?

YES >> Front power return switch (RH) is OK.

>> Refer to SE-15, "RH: Diagnosis Procedure". NO

RH: Diagnosis Procedure

1. CHECK REAR SEATBACK POWER RETURN CONTROL UNIT OUTPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect front power return switch (RH) connector.
- Check voltage between front power return switch (RH) harness connector and ground.

(+)			V. II (V.)	
Front power return switch (RH)		(–)	Voltage (V) (Approx.)	
Connector	Terminal		(11 - 7	
M113	1	Ground	5	

Is the inspection result normal?

SE

Α

D

Е

F

Н

INFOID:0000000006259112

INFOID:0000000006259111

INFOID:0000000006259113

M

Ν

INFOID:0000000006259114

< DTC/CIRCUIT DIAGNOSIS >

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

2.CHECK FRONT POWER RETURN SWITCH (RH) CIRCUIT

- 1. Disconnect rear seatback power return control unit connector.
- 2. Check continuity between rear seatback power return control unit harness connector and front power return switch (RH) harness connector.

Rear seatback pow	er return control unit	Front power return switch (RH)		Continuity
Connector	Terminal	Connector Terminal		Continuity
B493	20	M113	1	Existed

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

Rear seatback power return control unit			Continuity	
Connector Terminal		Ground	Continuity	
B493	20		Not existed	

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to <u>SE-118, "Removal and Installation"</u>.

NO >> Repair or replace harness.

3.check front power return switch (RH) ground circuit

Check continuity front power return switch (RH) harness connector and ground.

Front power return swit		Continuity	
Connector	Ground	Continuity	
M113	2		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK FRONT POWER RETURN SWITCH (RH)

Check front power return switch (RH).

Refer to SE-16, "RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace front power return switch (RH). Refer to <u>SE-123, "Removal and Installation"</u>.

5.CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

RH: Component Inspection

INFOID:0000000006259115

1. CHECK FRONT POWER RETURN SWITCH (RH)

- 1. Turn ignition OFF.
- 2. Disconnect front power return switch (RH) connector.
- 3. Check front power return switch (RH) terminals.

Front power return switch (RH) connector	Terminal		Condition	Continuity
M113	1 2		Front power return switch (RH) is pressed	Existed
		1 2	Front power return switch (RH) is released	Not existed

Is the inspection result normal?

YES >> Front power return switch (RH) is OK.

< DTC/CIRCUIT DIAGNOSIS > >> Replace front power return switch (RH). Refer to <u>SE-123, "Removal and Installation"</u>. NO Α В С D Е F G Н SE Κ L M Ν 0 Ρ

< DTC/CIRCUIT DIAGNOSIS >

REAR POWER RETURN SWITCH

LH

LH: Description

Switch that performs the return operation.

LH: Component Function Check

INFOID:0000000006259117

1. CHECK FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the rear power return switch (LH).

Is the inspection result normal?

YES >> Rear power return switch (LH) is OK.

NO >> Refer to SE-18, "LH: Diagnosis Procedure".

LH: Diagnosis Procedure

INFOID:0000000006259118

${f 1.}$ CHECK REAR SEATBACK POWER RETURN CONTROL UNIT OUTPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect rear power return switch (LH) connector.
- 3. Check voltage between rear power return switch (LH) harness connector and ground.

(+) Rear power return switch (L	(–)	Voltage (V) (Approx.)	
Connector	Terminal		(, , , , , , , , , , , , , , , , , , ,
B106	1	Ground	5

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK REAR POWER RETURN SWITCH (LH) CIRCUIT

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

Rear seatback pow	er return control unit	Rear power return switch (LH)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B493	28	B106	1	Existed

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

Rear seatback power return control unit			Continuity
Connector	Terminal	Ground	Continuity
B493	28		Not existed

Is the inspection result normal?

YES >> Replace rear power return control unit. Refer to <a>SE-118, "Removal and Installation".

NO >> Repair or replace harness.

3.check rear power return switch (LH) ground circuit

Check continuity rear power return switch (LH) harness connector and ground.

Rear power return swit		Continuity	
Connector	Terminal	Ground	Continuity
B106	2		Existed

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK REAR POWER RETURN SWITCH (LH)

Check rear power return switch (LH).

Refer to SE-19, "LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace rear power return switch (LH). Refer to SE-124, "Removal and Installation".

5. CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

LH: Component Inspection

1. CHECK REAR POWER RETURN SWITCH (LH)

- Turn ignition switch OFF.
- Disconnect rear power return switch (LH) connector. 2.
- Check rear power return switch (LH) terminals.

Rear power return switch (LH) connector	Terminal		Condition	Continuity
B106	1 2		Rear power return switch (LH) is pressed	Existed
B100	'	1 2	Rear power return switch (LH) is released	Not existed

Is the inspection result normal?

YES >> Rear power return switch (LH) is OK.

NO >> Replace rear power return switch (LH). Refer to SE-124, "Removal and Installation".

RH

RH: Description

Switch that performs the return operation.

RH: Component Function Check

1. CHECK FUNCTION

Check that the rear seatback (RH) rises when pressing and holding the rear power return switch (RH).

Is the inspection result normal?

YES >> Rear power return switch (RH) is OK.

>> Refer to SE-19, "RH: Diagnosis Procedure". NO

RH: Diagnosis Procedure

1. CHECK REAR SEATBACK POWER RETURN CONTROL UNIT OUTPUT SIGNAL

- Turn ignition switch OFF.
- Disconnect rear power return switch (RH) connector.
- Check voltage between rear power return switch (RH) harness connector and ground.

(+)		Voltage (V) (Approx.)	
Rear power return switch (R	(–)		
Connector	Terminal		(11 - 7
B105	1	Ground	5

Is the inspection result normal?

SE

Α

D

Е

F

Н

INFOID:0000000006259119

INFOID:0000000006259120

INFOID:0000000006259121

M

Ν

INFOID:0000000006259122

< DTC/CIRCUIT DIAGNOSIS >

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

2.CHECK REAR POWER RETURN SWITCH (RH) CIRCUIT

- 1. Disconnect rear seatback power return control unit connector.
- 2. Check continuity between rear seatback power return control unit harness connector and rear power return switch (RH) harness connector.

Rear seatback pow	er return control unit	Rear power return switch (RH)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B493	20	B105	1	Existed

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

Rear seatback power return control unit			Continuity
Connector	Terminal	Ground	Continuity
M493	20		Not existed

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to SE-118, "Removal and Installation".

NO >> Repair or replace harness.

3.check rear power return switch (RH) ground circuit

Check continuity rear power return switch (RH) harness connector and ground.

Rear power return swite		Continuity	
Connector	Terminal	Ground	Continuity
B105	2		Existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK REAR POWER RETURN SWITCH (RH)

Check rear power return switch (RH).

Refer to SE-20, "RH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace rear power return switch (RH). Refer to <u>SE-124, "Removal and Installation"</u>.

CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

RH: Component Inspection

INFOID:0000000006259123

1. CHECK REAR POWER RETURN SWITCH (RH)

- 1. Turn ignition switch OFF.
- 2. Disconnect rear power return switch (RH) connector.
- 3. Check rear power return switch (RH) terminals.

Rear power return switch (RH) connector	Terminal		Condition	Continuity
B105	1 2		Rear power return switch (RH) is pressed	Existed
	'	1 2	Rear power return switch (RH) is released	Not existed

Is the inspection result normal?

YES >> Rear power return switch (RH) is OK.

< DTC/CIRCUIT DIAGNOSIS > >> Replace rear power return switch (RH). Refer to <u>SE-124, "Removal and Installation"</u>. NO Α В С D Е F G Н SE Κ L M Ν 0 Ρ

< DTC/CIRCUIT DIAGNOSIS >

PRIMARY POSITION LIMIT SWITCH

LH

LH: Description

Detect the initial position of sector gear (LH).

LH: Component Function Check

INFOID:0000000006259125

1. CHECK FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the power return switch (LH).

Is the inspection result normal?

YES >> Primary position limit switch (LH) is OK.

NO >> Refer to <u>SE-22</u>. "LH: <u>Diagnosis Procedure"</u>.

LH: Diagnosis Procedure

INFOID:0000000006259126

${f 1.}$ CHECK REAR SEATBACK POWER RETURN CONTROL UNIT OUTPUT SIGNAL

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

(+) Primary position limit switch (LH)		(-)	Voltage (V) (Approx.)	
Connector	Terminal		(. #F)	
B499	1	Ground	Battery voltage	

NOTE:

It is not low power consumption mode.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK PRIMARY POSITION LIMIT SWITCH (LH) SIGNAL CIRCUIT

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

Rear seatback pow	er return control unit	Primary position limit switch (LH)		Continuity
Connector	Terminal	Connector Terminal		Continuity
B493	21	B499	1	Existed

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

Rear seatback power return control unit			Continuity
Connector	Terminal	Ground	Continuity
B493	21		Not existed

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to <u>SE-118, "Removal and Installation"</u>.

NO >> Repair or replace harness.

3.CHECK PRIMARY POSITION LIMIT SWITCH (LH) GROUND CIRCUIT

1. Check continuity between rear seatback power return control unit harness connector and primary position limit switch (LH) harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Rear seatback pow	er return control unit	Primary position limit switch (LH)		Continuity
Connector	Terminal	Connector Terminal		Continuity
B493	31	B499	2	Existed

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

Rear seatback power return control unit			Continuity
Connector	Terminal	Ground	Continuity
B493	31		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK PRIMARY POSITION LIMIT SWITCH (LH)

Check primary position limit switch (LH).

Refer to SE-23, "LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace primary position limit switch (LH) [reclining device assembly (LH)]. Refer to <u>SE-105</u>, "Exploded View".

5. CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

LH: Component Inspection

INFOID:0000000006259127

COMPONENT INSPECTION

1. CHECK PRIMARY POSITION LIMIT SWITCH (LH)

- Turn ignition switch OFF.
- 2. Disconnect primary position limit switch (LH) connector.
- Check primary position limit switch (LH) terminals.

Primary position limit switch (LH) connector	r Terminal		Condition	Continuity
B499	1	2	Primary position limit switch (LH) is pressed	Existed
D433	'		Primary position limit switch (LH) is released	Not existed

Is the inspection result normal?

YES >> Primary position limit switch (LH) is OK.

NO >> Replace primary position limit switch (LH) [reclining device assembly (LH)]. Refer to <u>SE-105</u>, "Exploded View".

RH

Detect the initial position of sector gear (RH).

RH: Component Function Check

1. CHECK FUNCTION

Revision: 2011 November

RH: Description

Check that the rear seatback (RH) rises when pressing and holding the power return switch (RH).

Is the inspection result normal?

YES >> Primary position limit switch (RH) is OK.

>> Refer to SE-24, "RH: Diagnosis Procedure". NO

SE

Α

D

Е

F

Н

Ν

INFOID:0000000006259128

INFOID:0000000006259129

< DTC/CIRCUIT DIAGNOSIS >

RH: Diagnosis Procedure

INFOID:0000000006259130

${f 1.}$ CHECK REAR SEATBACK POWER RETURN CONTROL UNIT OUTPUT SIGNAL

- Turn ignition switch OFF.
- 2. Disconnect primary position limit switch (RH) connector.
- 3. Check voltage between primary position limit switch (RH) harness connector and ground.

(+) Primary position limit switch (RH) Connector Terminal			Voltage (V)	
		(–)	Voltage (V) (Approx.)	
			, , , ,	
B495	1	Ground	Battery voltage	

NOTE:

It is not low power consumption mode.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2. CHECK PRIMARY POSITION LIMIT SWITCH (RH) SIGNAL CIRCUIT

- 1. Disconnect rear seatback power return control unit connector.
- Check continuity between rear seatback power return control unit harness connector and primary position limit switch (RH) harness connector.

Rear seatback pow	er return control unit	Primary position limit switch (RH)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B493	22	B495	1	Existed

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

Rear seatback power return control unit			Continuity
Connector	Terminal	Ground	Continuity
B493	22		Not existed

Is the inspection result normal?

YES >> Replace rear seatback return control unit. Refer to <u>SE-118</u>, "Removal and Installation".

NO >> Repair or replace harness.

3.check primary position limit switch (RH) ground circuit

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

Rear seatback pow	er return control unit	Primary position limit switch (RH)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B493	23	B495	2	Existed

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

Rear seatback pov	Rear seatback power return control unit		Continuity
Connector	Terminal	Ground	Continuity
B493	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK PRIMARY POSITION LIMIT SWITCH (RH)

Check primary position limit switch (RH).

Refer to SE-25, "RH: Component Inspection".

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace primary position limit switch (RH) [reclining device assembly (RH)]. Refer to <u>SE-105</u>, "Exploded View".

5. CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

RH: Component Inspection

INFOID:0000000006259131

Α

В

C

D

Е

F

Н

COMPONENT INSPECTION

1. CHECK PRIMARY POSITION LIMIT SWITCH (RH)

- Turn ignition switch OFF.
- 2. Disconnect primary position limit switch (RH) connector.
- 3. Check primary position limit switch (RH) terminals.

Primary position limit switch (RH) connector	Terr	minal	Condition	Continuity
B495	1	2	Primary position limit switch (RH) is pressed	Existed
5493	'		Primary position limit switch (RH) is released	Not existed

Is the inspection result normal?

YES >> Primary position limit switch (RH) is OK.

NO >> <u>SE-105, "Exploded View"</u>Replace primary position limit switch (RH) [reclining device assembly (RH)]. Refer to .

SE

M

Ν

O

< DTC/CIRCUIT DIAGNOSIS >

RETURN COMPLETE LIMIT SWITCH

LH

LH: Description

Detect the return completion position of rear seatback (LH).

LH: Component Function Check

INFOID:0000000006259133

1. CHECK FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the power return switch (LH).

Is the inspection result normal?

YES >> Return complete limit switch (LH) is OK.

NO >> Refer to <u>SE-26</u>. "LH: <u>Diagnosis Procedure"</u>.

LH: Diagnosis Procedure

INFOID:0000000006259134

${f 1.}$ CHECK REAR SEATBACK POWER RETURN CONTROL UNIT OUTPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect return complete limit switch (LH) connector.
- 3. Check voltage between return complete limit switch (LH) harness connector and ground.

(+) Return complete limit switch (LH)		(-)	Voltage (V) (Approx.)
Connector	Connector Terminal		(
B500	1	Ground	Battery voltage

NOTE:

It is not low power consumption mode.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK RETURN COMPLETE LIMIT SWITCH (LH) SIGNAL CIRCUIT

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

Rear seatback pow	Rear seatback power return control unit		Return complete limit switch (LH)	
Connector	Terminal	Connector Terminal		Continuity
B493	29	B500	1	Existed

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

Rear seatback pow	er return control unit		Continuity
Connector	Terminal	Ground	Continuity
B493	29		Not existed

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to <u>SE-118, "Removal and Installation"</u>.

NO >> Repair or replace harness.

3.CHECK RETURN COMPLETE LIMIT SWITCH (LH) GROUND CIRCUIT

1. Check continuity between rear seatback power return control unit harness connector and return complete limit switch (LH) harness connector.

< DTC/CIRCUIT DIAGNOSIS >

Rear seatback pow	ower return control unit Return complete limit switch (LH)		Continuity	
Connector	Terminal	Connector	Terminal	Continuity
B493	31	B500	2	Existed

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

Rear seatback pow	er return control unit		Continuity
Connector	Terminal	Ground	Continuity
B493	31		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK RETURN COMPLETE LIMIT SWITCH (LH)

Check return complete limit switch (LH).

Refer to SE-27, "LH: Component Inspection".

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace return complete limit switch (LH) [reclining device assembly (LH)]. Refer to SE-105, "Exploded View".

5. CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

LH: Component Inspection

INFOID:0000000006259135

COMPONENT INSPECTION

1. CHECK RETURN COMPLETE LIMIT SWITCH (LH)

- Turn ignition switch OFF.
- Disconnect return complete limit switch (LH) connector. 2.
- Check return complete limit switch (LH) terminals.

Return complete limit switch (LH) connector	Terminal		Condition	Continuity
B500	1	2	Return complete limit switch (LH) is pressed	Existed
5000			Return complete limit switch (LH) is released	Not existed

Is the inspection result normal?

YES >> Return complete limit switch (LH) is OK.

NO >> Replace return complete limit switch (LH) [reclining device assembly (LH)]. Refer to SE-105, "Exploded View".

RH

Detect the return completion position of rear seatback (RH).

RH: Component Function Check

1. CHECK FUNCTION

RH: Description

Check that the rear seatback (RH) rises when pressing and holding the power return switch (RH).

Is the inspection result normal?

YES >> Return complete limit switch (RH) is OK.

>> Refer to SE-28, "RH: Diagnosis Procedure". NO

SE

Α

D

Е

F

Н

INFOID:0000000006259136

INFOID:0000000006259137

Ν

2011 MURANO

< DTC/CIRCUIT DIAGNOSIS >

RH: Diagnosis Procedure

INFOID:0000000006259138

${f 1.}$ CHECK REAR SEATBACK POWER RETURN CONTROL UNIT OUTPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Disconnect return complete limit switch (RH) connector.
- 3. Check voltage between return complete limit switch (RH) harness connector and ground.

(+) Return complete limit switch (RH)		(-)	Voltage (V) (Approx.)
Connector	Connector Terminal		(11 - 7
B496	1	Ground	Battery voltage

NOTE:

It is not low power consumption mode.

Is the inspection result normal?

YES >> GO TO 3.

NO >> GO TO 2.

2.CHECK RETURN COMPLETE LIMIT SWITCH (RH) SIGNAL CIRCUIT

- 1. Disconnect rear seatback power return control unit connector.
- Check continuity between rear seatback power return control unit harness connector and return complete limit switch (RH) harness connector.

Rear seatback pow	Rear seatback power return control unit		e limit switch (RH)	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B493	30	B496	1	Existed

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

Rear seatback pow	er return control unit		Continuity
Connector	Terminal	Ground	Continuity
B493	30		Not existed

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to <u>SE-118</u>, "Removal and Installation".

NO >> Repair or replace harness.

3.check return complete limit switch (RH) ground circuit

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

Rear seatback pow	Rear seatback power return control unit		Return complete limit switch (RH)		
Connector	Terminal	Connector	Terminal	Continuity	
B493	23	B496	2	Existed	

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

Rear seatback pow	er return control unit		Continuity
Connector	Terminal	Ground	Continuity
B493	23		Not existed

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace harness.

4. CHECK RETURN COMPLETE LIMIT SWITCH (RH)

Check return complete limit switch (RH).

Refer to SE-29, "RH: Component Inspection".

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> GO TO 5.

NO >> Replace return complete limit switch (RH) [reclining device assembly (RH)]. Refer to <u>SE-105, "Exploded View"</u>.

5. CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

RH: Component Inspection

INFOID:0000000006259139

Α

В

C

D

Е

F

Н

COMPONENT INSPECTION

1. CHECK RETURN COMPLETE LIMIT SWITCH (RH)

- Turn ignition switch OFF.
- 2. Disconnect return complete limit switch (RH) connector.
- 3. Check return complete limit switch (RH) terminals.

Return complete limit switch (RH) connector	Terminal		Condition	Continuity
B496	1	2	Return complete limit switch (RH) is pressed	Existed
5490	1		Return complete limit switch (RH) is released	Not existed

Is the inspection result normal?

YES >> Return complete limit switch (RH) is OK.

NO >> Replace return complete limit switch (RH) [reclining device assembly (RH)]. Refer to <u>SE-105</u>, "Exploded View".

SE

Κ

IVI

Ν

U

< DTC/CIRCUIT DIAGNOSIS >

MOTOR SENSOR

LH

LH: Description

Detect the operation condition of power return motor (LH).

LH: Component Function Check

INFOID:0000000006259141

1. CHECK FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the power return switch (LH).

Is the inspection result normal?

YES >> Motor sensor (LH) is OK.

NO >> Refer to <u>SE-30</u>, "LH: <u>Diagnosis Procedure"</u>.

LH: Diagnosis Procedure

INFOID:0000000006259142

1. CHECK MOTOR SENSOR (LH) OUTPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Check voltage between rear seatback power return control unit harness connector and ground.

(+) Rear seatback power return control unit		(–) Condition		Voltage (V)	
Connector	Connector Terminal			(Approx.)	
B492	10	Ground	During the power return motor (LH) operation	(V) 6 4 2 0 10 ms JMKIA0070GB	
			When pinching between LH/RH seats occurs	The above pulse width should be expanded	

Is the inspection result normal?

YES >> GO TO 7.

NO >> GO TO 2.

2.CHECK MOTOR SENSOR (LH) SIGNAL CIRCUIT

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

Rear seatback pow	Rear seatback power return control unit		Power return motor assembly (LH)	
Connector	Terminal	Connector Terminal		Continuity
B492	10	B498	3	Existed

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

Rear seatback pow	er return control unit		Continuity	
Connector	Terminal	Ground	Continuity	
B492	10		Not existed	

Is the inspection result normal?

YES >> GO TO 3.

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness.

3.check motor sensor (LH) power supply

1. Connect rear seatback power return control unit connector.

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

(+)			Voltage (V)	
Power return mo	Power return motor assembly (LH)		Condition	Voltage (V) (Approx.)	
Connector	Terminal			(11 -)	
B498	6	Ground	When the power return motor is operated	Battery voltage	

Is the inspection result normal?

YES >> GO TO 5.

NO >> GO TO 4.

4. CHECK MOTOR SENSOR (LH) POWER SUPPLY CIRCUIT

1. Disconnect rear seatback power return control unit connector.

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

Rear seatback power return control unit		Power return motor assembly (LH)		Continuity
Connector	Terminal	Connector Terminal		Continuity
B492	11	B498	6	Existed

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

Rear seatback pow	er return control unit		Continuity
Connector	Terminal	Ground	Continuity
B492	11		Not existed

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to <u>SE-118, "Removal and Installation"</u>.

NO >> Repair or replace harness.

5.CHECK MOTOR SENSOR (LH) GROUND CIRCUIT 1

1. Disconnect rear seatback power return control unit connector.

Check continuity between rear seatback power return control unit harness connector and power return motor assembly harness connector.

Rear seatback pow	Rear seatback power return control unit		Power return motor assembly (LH)	
Connector	Terminal	Connector Terminal		Continuity
B492	9	B498	4	Existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

6.CHECK MOTOR SENSOR (LH) GROUND CIRCUIT 2

1. Connect rear seatback power return control unit connector.

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

Rear seatback pow	er return control unit		Continuity	
Connector	Terminal	Ground	Continuity	
B492	9		Existed	

Is the inspection result normal?

YES >> Replace motor sensor (LH) [reclining device assembly (LH)]. Refer to <u>SE-105, "Exploded View"</u>.

NO >> Replace rear seatback power return control unit. Refer to <u>SE-118</u>, "Removal and Installation".

SE

Α

В

D

Е

K

L

N

Ν

Ν

0

< DTC/CIRCUIT DIAGNOSIS >

7.CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

RH

RH: Description

Detect the operation condition of power return motor (RH).

RH: Component Function Check

INFOID:0000000006259144

1. CHECK FUNCTION

Check that the rear seatback (RH) rises when pressing and holding the power return switch (RH).

Is the inspection result normal?

YES >> Motor sensor (RH) is OK.

NO >> Refer to <u>SE-32</u>, "RH: <u>Diagnosis Procedure"</u>.

RH: Diagnosis Procedure

INFOID:0000000006259145

1. CHECK MOTOR SENSOR (RH) OUTPUT SIGNAL

- Turn ignition switch OFF.
- 2. Check voltage between rear seatback power return control unit harness connector and ground.

(+) Rear seatback power return control unit		(–)	Condition	Voltage (V) (Approx.)
Connector	Terminal			(11 - 7
B492	2	Ground	During the power return motor (RH) operation When pinching between LH/RH seats occurs	(V) 6 4 2 0 JMKIA0070GB The above pulse width should be expanded

Is the inspection result normal?

YES >> GO TO 7.

NO >> GO TO 2.

2.CHECK MOTOR SENSOR (RH) SIGNAL CIRCUIT

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

Rear seatback power return control unit		Power return motor assembly (RH)		Continuity	
Connector	Terminal	Connector Terminal		Continuity	
B492	2	B494	3	Existed	

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

< DTC/CIRCUIT DIAGNOSIS >

Rear seatback power return control unit			Continuity	
Connector	Terminal	Ground	Continuity	
B492	2		Not existed	

Is the inspection result normal?

YES >> GO TO 3.

NO >> Repair or replace harness.

3.CHECK MOTOR SENSOR (RH) POWER SUPPLY

- 1. Connect rear seatback power return control unit connector.
- Check voltage between power return motor assembly (RH) harness connector and ground.

((+)			Voltage (V)	
Power return motor assembly (RH)		(–)	Condition	(Approx.)	
Connector	Terminal			,	
B494	6	Ground	When the power return motor is operated	Battery voltage	

Is the inspection result normal?

YES >> GO TO 5.

NO >> GO TO 4.

4. CHECK MOTOR SENSOR (RH) POWER SUPPLY CIRCUIT

1. Disconnect rear seatback power return control unit connector.

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

Rear seatback pow	Rear seatback power return control unit		Power return motor assembly (RH)	
Connector	Terminal	Connector Terminal		Continuity
B492	3	B494	6	Existed

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

Rear seatback power return control unit			Continuity	
Connector Terminal		Ground	Continuity	
B492 3			Not existed	

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to <u>SE-118, "Removal and Installation"</u>.

NO >> Repair or replace harness.

${f 5.}$ CHECK MOTOR SENSOR (RH) GROUND CIRCUIT 1

1. Disconnect rear seatback power return control unit connector.

Check continuity between rear seatback power return control unit harness connector power return motor assembly harness connector.

Rear seatback pow	Rear seatback power return control unit		Power return motor assembly (RH)	
Connector	Terminal	Connector Terminal		Continuity
B492	1	B494	4	Existed

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace harness.

6.CHECK MOTOR SENSOR (RH) GROUND CIRCUIT 2

- 1. Connect rear seatback power return control unit connector.
- 2. Check between rear seatback power return control unit harness connector and ground.

SE

Α

Е

IZ.

B /I

IV

Ν

0

< DTC/CIRCUIT DIAGNOSIS >

Rear seatback power return control unit			Continuity	
Connector Terminal		Ground	Continuity	
B492	B492 9		Existed	

Is the inspection result normal?

YES >> Replace motor sensor (RH) [reclining device assembly (RH)]. Refer to <u>SE-105, "Exploded View"</u>.

NO >> Replace rear seatback power return control unit. Refer to <u>SE-118</u>, "Removal and Installation".

7. CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

POWER RETURN MOTOR

LH

INFOID:0000000006259146

Α

В

D

Е

F

LH: Description

Operate the rear seatback.

LH: Component Function Check

INFOID:0000000006259147

1. CHECK FUNCTION

Check that the rear seatback (LH) rises when pressing and holding the power return switch (LH).

Is the inspection result normal?

YES >> Power return motor (LH) is OK.

NO >> Refer to SE-35, "LH: Diagnosis Procedure".

LH: Diagnosis Procedure

INFOID:0000000006259148

1. CHECK POWER RETURN MOTOR (LH) INPUT SIGNAL

Turn ignition switch OFF.

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

SE

L

M

Ν

Р

(+) Power return motor assembly (LH)		(–)	Condition	Voltage (V) (Approx.)
Connector	Terminal			
	1		During the power return motor (LH) return operation	Battery voltage
B498		Ground	Other than the above	0
	5		During the power return motor (LH) reverse operation	Battery voltage
			Other than the above	0

Is the inspection result normal?

YES >> Replace power return motor assembly (LH) [reclining device assembly (LH)]. Refer to SE-105, "Exploded View".

>> GO TO 2. NO

2.CHECK POWER RETURN MOTOR (LH) CIRCUIT

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

Rear seatback power return control unit		Power return motor assembly (LH)		Continuity
Connector	Terminal	Connector	Terminal	Continuity
B492	5	B498	5	Existed
D432	6	D490	1	LAISIEU

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

Rear seatback pow	er return control unit		Continuity	
Connector	Terminal	- Ground	Continuity	
B492	5	Ground	Not existed	
	6		Not existed	

Is the inspection result normal?

>> Replace rear seatback power return control unit. Refer to SE-118, "Removal and Installation".

SE-35 Revision: 2011 November **2011 MURANO**

POWER RETURN MOTOR

< DTC/CIRCUIT DIAGNOSIS >

NO >> Repair or replace harness.

RH

RH: Description

Operate the rear seatback.

RH: Component Function Check

INFOID:0000000006259150

1. CHECK FUNCTION

Check that the rear seatback (RH) rises when pressing and holding the power return switch (RH).

Is the inspection result normal?

YES >> Power return motor (RH) is OK.

NO >> Refer to <u>SE-36, "RH : Diagnosis Procedure"</u>.

RH: Diagnosis Procedure

INFOID:0000000006259151

1. CHECK POWER RETURN MOTOR (RH) INPUT SIGNAL

- 1. Turn ignition switch OFF.
- 2. Check voltage between power return motor assembly (RH) harness connector and ground.

Power return motor Connector	Power return motor assembly (RH)		Condition	Voltage (V) (Approx.)
	1		During the power return motor (RH) return operation	Battery voltage
B494		Ground	Other than the above	0
D434	5		During the power return motor (RH) reverse operation	Battery voltage
			Other than the above	0

Is the inspection result normal?

YES >> Replace power return motor assembly (RH) [reclining device assembly (RH)]. Refer to <u>SE-105.</u> "Exploded View".

NO >> GO TO 2.

2.check power return motor (RH) circuit

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

Rear seatback powe	Rear seatback power return control unit		Power return motor assembly (RH)	
Connector	Terminal	Connector Terminal		Continuity
B492	7	B494 5		Existed
D 4 92	8	D494	1	LAISIEU

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

Rear seatback pow	er return control unit	Ground	Continuity
Connector	Terminal		Continuity
B492	7	Ground	Not existed
	8		Not existed

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to <u>SE-118, "Removal and Installation"</u>.

NO >> Repair or replace harness.

VEHICLE SPEED SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

VEHICLE SPEED SIGNAL CIRCUIT

Description INFOID:0000000006259152

Transmits vehicle speed signal to rear seatback power return control unit.

Component Function Check

INFOID:0000000006259153

Α

В

D

Н

SE

M

Р

1. CHECK FUNCTION

Check that the rear seatback rises when pressing and holding the power return switch.

Is the inspection result normal?

YES >> Vehicle speed signal circuit is OK.

NO >> Refer to <u>SE-37</u>, "<u>Diagnosis Procedure</u>".

Diagnosis Procedure

INFOID:0000000006259154

1. CHECK VEHICLE SPEED OPERATION

1. Check speed meter operate normally.

Is the inspection result normal?

YES >> GO TO 2.

NO >> Refer to MWI-4, "Work flow".

2.CHECK VEHICLE SPEED INPUT SIGNAL

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

	+) er return control unit	(–)	Condition	Voltage (V)						
Connector	Terminal	,		(Approx.)						
B493	24	Ground	When vehicle speed is approx.40 km/h (25MPH)	NOTE: Maximum voltage may be 12V due to specifications (connected units) (V) 6 4 2 0 **E20ms SKIA6649J						

Is the inspection result normal?

YES >> GO TO 3.

NO >> Refer to MWI-4, "Work flow".

3.check vehicle speed signal circuit

- 1. Disconnect rear seatback power return control unit connector and combination meter connector.
- Check continuity between power return control unit harness connector and combination meter harness connector.

Rear seatback pow	er return control unit	Combina	tion meter	Continuity
Connector	Terminal	Connector	Terminal	Continuity
B493	24	M34	31	Existed

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

Rear seatback pow	er return control unit		Continuity
Connector	Terminal	Ground	Continuity
B493	24		Not existed

VEHICLE SPEED SIGNAL CIRCUIT

< DTC/CIRCUIT DIAGNOSIS >

Is the inspection result normal?

YES >> GO TO 4.

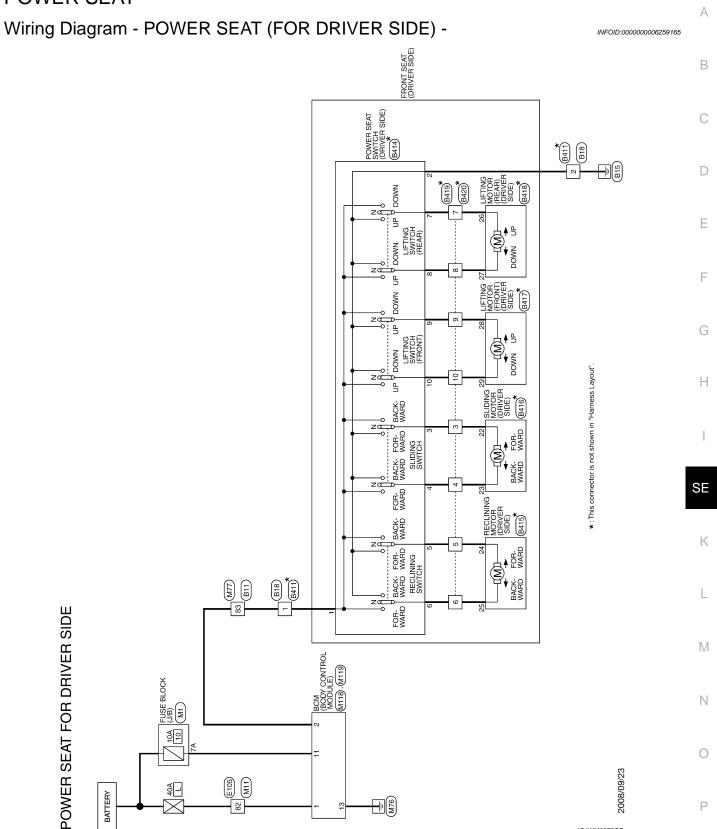
NO >> Repair or replace harness.

4. CHECK INTERMITTENT INCIDENT

Refer to GI-44, "Intermittent Incident".

>> INSPECTION END

POWER SEAT



Signal Mane [Specification] Color Color	Signal Name [Specification] Color No. of Wire Signal Name [Specification] Color No. of Wire Signal Name [Specification] Color No. of Wire Color	Signal Name [Specification] Color Color	33 2	Terminal Golor Signal Name [Specification] 1	Connector Type NS10FW-CS
Signal Name [Specification] Ferminal Color No. of Wire Signal Name [Specification]	Signatural Color Signatural	Signal Name [Specification] Ferminal Color Signal Name [Specification] Signal Na	: a		
SB	No. of Wire Signal Name Lope euroaucont) No. of Wire Signal Name Lope euroaucont) No. of Wire Signal Name Lope euroaucont) No. of Wire No. o	No. of Wire Signal Name Lope curroaction No. of Wire Signal Name Lope curroaction Co. of Wire Co. of W	82 L	Color	24 25
C	C C C C C C C C C C	C	BR	of Wire	
G - 2 B - Terminal Color R - - 4 GR -	SG - Terminal Calor R R -	SB - Terminal Color R - 4 GR - 7 Wro G -	0	- a -	
R	National Color Nati	RB - 4 9KG - Terminal olor G G - 4 9KG - - 6 VKre G G - - 6 B/R - - 24 V Y - </td <td>9</td> <td>В</td> <td>- 1-</td>	9	В	- 1-
GR -	GR - 6 GR - 24	GR -	SB a	0/W	Color of Wire
C C C C C C C C C C C C C C C C C C C	6 GR	6 G G G G G G G G G G G G G G G G G G G	2 0	A2 A	1
	2		7 8	200	+
- 0 BB	- 0 8 8 × × 0 8 8 c -	- 0 B B K C C C C C C C C C C C C C C C C C	¥5 >	┨	┨
S S S S S S S S S S S S S S S S S S S	6 G G G G G G G G G G G G G G G G G G G	0 F R R < 0 B C	→ (T	
0 BR	6 B R C G G R R R C G G R R C G G R R C G	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 E	T	
o > 88 8 8 6	0 V V BBR BR GR GR R R R R C C C C C C C C C C C C	6 V V BR BR CAR CAR CAR CAR CAR CAR CAR CAR CAR CA	BR		
V 8R 8R 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	V BR GR CR CR CR	V BBR GR GR CR	9		
BR GR R	8R GR R LG	BR GR R LG O	>		
E S S	8 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BR GR R R LG	> (
R R	GR R LG	GR R LG	BR		
e .	LG	LG O	GR		
: 0	. 97 	0 10	4		
	רַפ	0	: 0	I	

JCJWM1689GB

ion]	А
	В
	С
72 7 74 74 74 75 75 75 75	D
Specification]	Е
Wife TO Wife TH70MW-CSI 0-M3 Signal Name (Specification)	F
Name	G
Commetto Com	Н
Signal Name [Specification] Sign	1
Signal Name Speakers	SE
Connector No. Bit of Wire No. Connector Name W W Connector Type M Connector No. Color No. Color No. Color No. Color No. Color No. Connector No. Connector No. Connector No. Connector No. Connector No. Color	K
	L
Connector Name Signal Name Specification Colorector Name Color Colorector Name Colorector Name Color Colorector Name Color	М
EAT FOI B416 SLIDING MOTOR F 6096-0239 E 6096-0239 E 6096-0239	N
Connector Name Connector Name Connector Type Connector Type Connector Type Connector Name Connec	0
	JCJWM1690GB
	Р

Revision: 2011 November SE-41 2011 MURANO

- 85 V	- M 98	87 R –	- 5 88	- B 68	- O 06	91 G –	\exists	93 P –	94 V =	Н	SB 96	Н	TC	- × 66			Connector No. M118	The second secon	Connector Name BCM (BOD? CONTROL MODULE)	Connector Type M03FB-LC	1			<u> </u>	1 3		7		Į.	la.	re	-	2 GR POWER WINDOW POWER SUPPLY (BAT)	3 L POWER WINDOW POWER SUPPLY (RAP)																			
-	-	1	-	-	-	-	-	1	-	-	-	1	1	-	-		I	1	1	1	1						1	-	1	I	1	I	-	-	1	-	-	1	-	1	1	1	1	1				1	1	E constant of the constant of	- [With automatic drive positioner]	 [Without automatic drive positioner] 	
>	У	٣	Υ	W	BR	Υ	SHIELD	g	Υ	0	ΓC	SB	PC	SB	SHIELD	æ	Ρ	>	В	æ	6	ي ا	, .	-	٦ 9	9 2	SHED.	В	œ	*	0	>	^	^	GR.	5	SHIELD	7	ч	D7	>	~	۵	-	9	á	3	2	3 -	4	£ 0	÷	r
25	27	28	30	31	32	34	32	36	37	40	41	45	46	47	48	49	20	51	52	23	54	, if	9 9	8 0	0	8 6	n e	09	19	62	63	64	69	99	67	89	69	70	7.1	72	73	74	75	92	2 5	0,2	9	8 2	S	78	3 8	် ရှိ	84
-	-	1	-	-	-	-	-	1	_	-	_			M77	WIRE TO WIRE	יייינד וס יייינד	TH80FW-CS19		[[1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 E) - 		Signal Name [Specification]		1	I	1	1	-	-	-	=	-	=	-	_	1	1	-	1	1	1		1	1	1	1	1	-
BR	٦	W	BR	ч	g	Υ	9	۳	W	W	0						Г										Color	ot Wire	SHIELD	В	×	В	Υ	W	ŋ	SHIELD	W	В	9	В	0	~	g,	2	: >			٥	3 >	-	9 5	5	SB
72	73	74	75	9/	77	78	79	80	81	82	83			Connector No.	Connector Name		Connector Type		追	ŧ	2					T	erminal	No.	-	2	3	4	5	9	7	8	6	10	11	12	13	14	15	91	2 [2	2 2	30	216	7 8	77	52	24
Connector No. MII	- Wille	WIRE TO WIRE	TH70FW-CS10-M3				(日本) (日本) (日本) (日本) (日本) (日本) (日本) (日本)		2 2	2		Simal Name [Specification]		1	-	1	1		1	1								1	1	1	1	1	-	-	ī	•	-	1	-	1	,	1											
NI IIM	T BOW	Š	Ė												_	_	Г	Г	Г	Г	Г	Γ	Т	Т	Т	Т	Т	Т	Т	7	Т			П						П	г	Г	Г	Т	т	_	_	т	т	т	Т	Т	7
Connector No. M11	Connector Name Milbe T	r Name With	Connector Type TF	-			_					Color	of Wire	۵	0	ŋ	۳	۵	٦	>	>	۵	: >	- 8	í c	5 >	<u>-</u>].	_	BR	٦	۳	Д	٦	Μ	GR.	57	Υ	۸	SB	d	SB	>	æ	c	>	. PI	3	2	4 3	ء د	1	9	ŋ

JCJWM1691GB

Α

В

С

D

Е

F

G

Н

SE

Κ

1

L

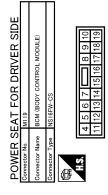
M

Ν

0

Р

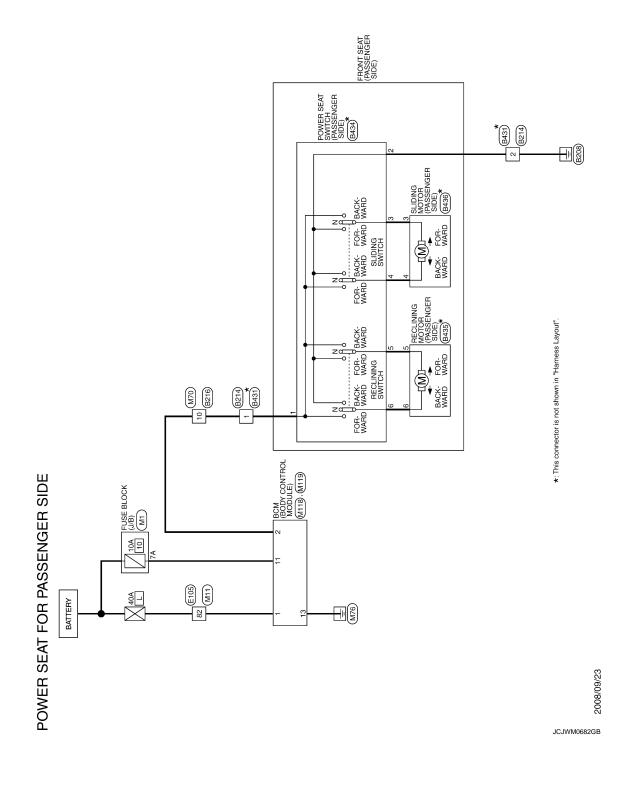
JCJWM1692GB



Signal Name [Specification] INTERIOR ROOM LAMP POWER SUPPLY PASSENGER DOOR NULLOW OUTPUT STEP LAMP OUTPUT ALL DOOR FUEL LID NULLOCK OUTPUT BRAND ROOR FUEL LID NULLOCK OUTPUT READ ROOSE WILL LID NULLOCK OUTPUT BAT (FUSE) TURN SIGNAL RA TURN SIGNAL LH TURN SIGNAL LH TURN SIGNAL LH	Oolor	No. No. 10. 10. 11. 11. 11. 11. 11. 11. 11. 11
CONTROL CASE CASE	,	9,
TURN SIGNAL LH	BR	18
TURN SIGNAL RH	5	17
ACC IND	٦	15
PUSH-BUTTON IGNITION SW ILL GND	0	14
GND	В	13
BAT (FUSE)	LG	11
REAR DOOR UNLOCK OUTPUT	۵	10
DRIVER DOOR, FUEL LID UNLOCK OUTPUT	ŋ	9
ALL DOOR, FUEL LID LOCK OUTPUT	^	8
STEP LAMP OUTPUT	Υ	7
PASSENGER DOOR UNLOCK OUTPUT	g	5
INTERIOR ROOM LAMP POWER SUPPLY	Ь	4
Signal Name [Specification]	Color of Wire	erminai No.

Wiring Diagram - POWER SEAT (FOR PASSENGER SIDE) -

INFOID:0000000006259166



POWER SEAT

6 GR 11	A
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	В
	D
ac	Е
NG MOTO NORM NG NOTO NO NG	F
17pe	G
Connector Connector	Н
Signal Name [Specification] Signal Name [Specification]	I
Signa Sign	E
일 이	K
GGER SIDE	L
OR PASSENGE WIRE Signal Name [Specification] WIRE CCS Signal Name [Specification] Signal Name [Specification]	M
NST F NST	N
Connector Name Conn	0
JCJWM1693GB	Р

Revision: 2011 November SE-45 2011 MURANO

POWER SEAT FOR PASSENGER SIDE								
Connector No. M1	28 BR	1	-	œ	1	6	9	DRIVER DOOR, FUEL LID UNLOCK OUTPUT
П	H	1	4	а	1	10	а	REAR DOOR UNLOCK OUTPUT
Connector Name FUSE BLOCK (J/B)	30 R	1	5	0	1	=	ΓC	BAT (FUSE)
Connector Type NS06FW=M2	ŀ	ī	9	œ	1	13	а	GND
1	48	ı	7	۸	1	14	0	PUSH-BUTTON IGNITION SWILL GND
	49 W	1	∞	>	-	15	_	ACCIND
-	ŀ	1	6	_	1	17	g	TURN SIGNAL RH
3A 3A 1A	H	1	9	æ	1	81	æ	TURN SIGNAL LH
0 - 1	H	1	12	۵	1	19	>	ROOM LAMP TIMER CONTROL
8A /AlbAlbAl4Al	53	I	13	>	1			
	54 SB	1	14	_	1			
	H	1	15	æ	1			
Terminal Color	56 SB	1	16	>	1			
	H	1						
t	61 GR	1						
2A G -	H	ī	Conne	Connector No.	M118			
L	L	1	,					
GR	64 SHIELD	- 0	Conne	Connector Name	BCM (BODY CONTROL MODULE)			
	H	1	Conne	Connector Type	M03FB-LC			
- W W9	╀	1						
H	┞	1	Œ	_				
╀	╀	1						
	+		X H.S.	'n	1			
	+			1	1 3			
N contraction	5 6							
	+				3			
Connector Name WIRE TO WIRE	+							
Т	+		L	ŀ				
Connector Type TH70FW-CS10-M3	7	1	Terminal		Signal Name [Specification]			
Q	\dashv	1	Š.	of Wire				
	77 G	-	-	Μ	BAT (F/L)			
	78 Y	1	2	GR	POWER WINDOW POWER SUPPLY (BAT)			
2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\dashv	ı	9	_	POWER WINDOW POWER SUPPLY (RAP)			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	80 R	1						
	81 W	-						
2	82 W	1	Conne	Connector No.	M119			
	83 0	-	0000	Connector Mana	BCM (BODY CONTROL MOBILLE)			
la.					/3300W 300W 1000 1000 W00			
re			Conne	Connector Type	NS16FW-CS			
+	Connector No.	M70	Q					
+	Connector Name	WIRE TO WIRE	厚					
- 5 9		┑)	L				
	Connector Type	NS16FBR-CS			4 5 6 7 0 8 9 10			
11 P -	4			1	11 10 12 1/ 15 16 17 19 10			
12 L –	修			الت	12 13 14 13 10 17 10			
13 V –	Ę							
14 Y –	į	7 6 5 4 3 2 1						
15 R –		14 10 10 11 10	Terminal	_	[aciteoflicas] Amel Nemis			
\dashv		0 11 71 0	N	of Wire	rice and a second of the secon			
21 BR –			4	۵	INTERIOR ROOM LAMP POWER SUPPLY			
22 G –			2	g	PASSENGER DOOR UNLOCK OUTPUT			
24 Y –	Terminal Color	or Simal Name [Soecification]	7	>	STEP LAMP OUTPUT			
25 L –	No. of W		ω	>	ALL DOOR, FUEL LID LOCK OUTPUT			

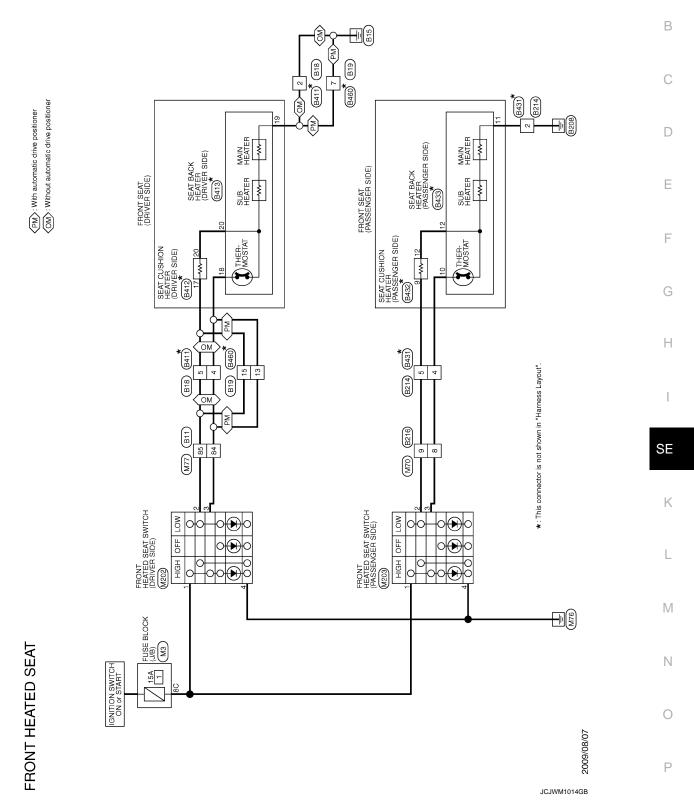
JCJWM1694GB

Α

INFOID:0000000006259167

HEATED SEAT

Wiring Diagram - HEATED SEAT (FRONT) -



FRONT F	FRONT HEATED SEAT		-	-	Ĺ				Γ
Connector No.	B11	47	1	1	Conne	Connector No.	B18	Connector No. B214	1
Connector Name	WIRE TO WIRE	49	SHIELD	- - -	Conne	Connector Name	WIRE TO WIRE	Connector Name WIRE TO WIRE	
Connector Type	TH80MW-CS19	20	Н		Conne	Connector Type	NS06FW-CS	Connector Type NS06FW-CS	П
4		51	2 -	- 1	4				
-		53	╀	1	F				
ć E		54	Н		1	2	1	1	
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	92	4	-			2 V	и г	
	S S S S S S S S S	26	+				2 2 2	00+0	
		57	+						
T		200	2 1		F	-		F	Г
No. of Wire	" Signal Name [Specification]	8 9	Т		Š	of Wire	Signal Name [Specification]		
T	- T	19	┝		-	Т	1	- 0	Γ
2 B	1	62	R/W	N	2	В	-	2 B -	П
3 R/L		63	57	-	3	GR		3 BR -	
4 R/W		64	Υ	-	4	0		4 GR –	
5 SB	-	69	BR		5	9	1	5 G	П
9	-	99	-	1	9	B/W	1	6 B/W –	1
7	1	67	\dashv						
8 SHIELD		89	┪	1				-	ſ
Н		69	٠,		Conne	Connector No.	B19	Connector No. B216	
\dashv	1	70	Н	ı	Conne	Connector Name	WIRE TO WIRE	Connector Name WIRE TO WIRE	
Н	-	71	B/R	-		100			1
12 W/L	1	72	Н	1	Conne	ctor Type	Connector Type NS16FW-CS	Connector Type NS16MBR-CS	П
	1	7.3		_	4	•		ď	
Н	1	74	SB		厚	_		厚	
-	-	75	٦ _	_) <u> </u>	Į.		[]	
16 BR	-	9/	g	1		<u>-</u>	234 567	123 4567	
۷ / ۲۱	-	77	ď	1		Ľ	0 10 11 10 10 14 15	11 40 40 47	
_	-	79	Н	-		1	10 11 12	9 10 11 12 13 14 13	
19 R	-	80	L	1		I			
Н	-	8	~	_					ı
21 LG	-	82	\dashv	-	Terminal		Signal Name [Specification]	la	
22 W	-	83	BR		No.	of Wire		No. of Wire	1
Н	-	84	0	-	-	BR	-	C	
24 GR	-	82	5	_	2	٦	-	4 B/P -	
25 Y	-	98	SB		3	W	-	2	
27 V	-	87	~	-	4	Ь	-	- M 9	
28 W/L	-	88	Н	1	9	^	-	-	
30 P	-	88	GR		9	GR	-	8 GR –	
31 0	1	96	>	1	_	8	1		Γ
H	1	91	9	1	80	>-	1	- 10 0	Ι
34 SB	1	92	F	-	6	۵	1	H	Γ
S	- Q	93	┞	1	10	P]	1	L	Π
36	-	94	>	1	=	۳	1	14 R -	Π
37 LG	ı	95	H	1	12	SB	1		Π
40 Y	-	96	GR		13	Н	1	16 SB -	П
Н	1	97	Н	1	14	BR			
42 SB		86	Н	- 1	15	Н	1		
46 LG	1	66	0	1	16	B/W	1		

JCJWM1705GB

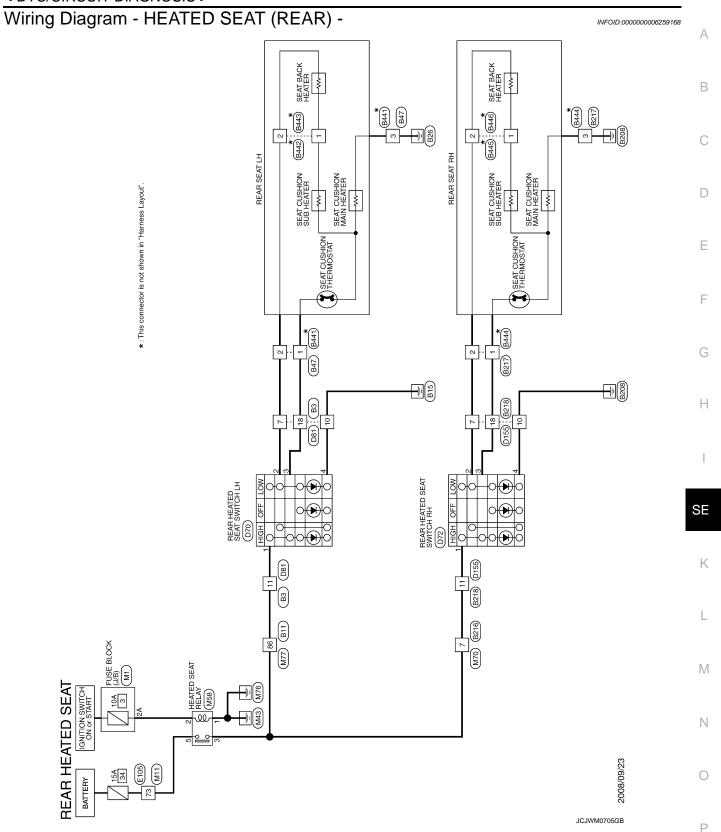
HEATED SEAT

FUSE BLOCK (J/B) NSIZEN-CS Signal Name [Specification] S	АВ
Connector No. M3 Connector Name FUSE BLOOK	C
CS CS CS CS CS CS CS CS	E
NS03FW- NS04FW- NS04FW	F G
Connector No.	Н
Signal Name [Specification]	SE
Connector Name Color No. of Wire 18	К
	L
ATED SEAT WIRE TO WIRE NSOBMW-CS Signal Name [Specification]	M
Signal B411 B412 B412 B413	N
Carmetter Name	0
JCJWM1706GB	Р

Revision: 2011 November SE-49 2011 MURANO

FRO	NT HE	FRONT HEATED SEAT					
Connector No.	or No.	M77	47	SB	1	У	-
Connector Name	or Name	WIRE TO WIRE	48	SHIELD	1		
T softogue	T. M.	or 30 Million II	D 4	<u> </u>	1	oly actoonic	NOON
000	adk i	I HOUTWICE IS	8 5	2 >	11 1	CONTRECTOR INC.	MZUZ
1			0 6		1	Connector Name	FRONT HEATED SEAT SWITCH (DRIVER SIDE)
			3 8	e e	1	Connector Type	NS06FW-CS
Ę.		x x	54	8	1	_	
			92	g	I	6	
			26	Д		2 -	
		I	57	_	1	é	9
			28	SB	-		7
Terminal	_	Signal Name [Specification]	29	SHIELD	Ī		1
Š.	of Wire		09	В	I		
-	SHIELD	-	61	~	1	L	
2	<u>п</u>	1	62	>	ı	la l	Signal Name [Specification]
က	*	1	63	0	1	No. of Wire	
4	œ	1	64	>	1	-	
5	≻	1	65	>	1	2 ^	1
9	*	1	99	>	1	+	1
7	G	1	67	GR	1	+	1
80	SHELD	1	89	g	1	5 R	1
6	Μ	1	69	SHIELD	1	e SB	ı
10	œ	1	70	٦	1		
11	5	1	7.1	ď	_		
12	В	1	72	-CG	1	Connector No.	M203
13	0	1	73	>	1	Connector Name	FROMT HEATED SEAT SWITCH (PASSENGER SIDE)
14	۳	1	74	۳	1		
12	SB	1	75	Ь	1	Connector Type	NS06FBR-CS
91	œ	1	9/	٦	1	ą	
-11	>	1	77	æ	1	手	
18	۵	I	79	В	1) i	
19	Ь	-	80	М	_		5
20	FG	-	81	PG	_		7
21	>	-	82	٦	-		- 3
22	0	-	83	М	 [With automatic drive positioner] 		
23	ΓC	-	83	GR	 [Without automatic drive positioner] 		
24	SB	-	84	ч	-	lal	Simil Name [Sacationation
22	Υ	-	82	^	-	No. of Wire	Ogna Maria Lopecinoadori
27	λ	-	98	W	-	1	-
28	ч		87	ч	-	2 L	-
98	>	1	88	ŋ	1	>	1
31	×	1	68	В	1	4 B	1
32	æ	1	06	0	1	H	1
34	>	1	91	g	ı	F	1
32	SHIELD	1	95	BB	ı	ł	
36	g	1	93	۵	1		
37	>	ı	94	>	1		
9	0	1	92	0	1		
14	5 D	1	96	SB	1		
45	SB	1	6	7	-		
46	57	1	86	P	1		

JCJWM1707GB



REAR HEATED SEAT							
Connector No. B3	Ξ	H	1	71	B/R	1	Connector No. B216
MIDE TO MIDE	12	M/L	-	72	Υ	1	MIDE TO WIDE
П	13	\dashv	1	73	PC	1	П
Connector Type TK10FW-NS8	14	Н	-	74	SB		Connector Type NS16MBR-CS
4	15	Н	-	75	٦	1	4
修	91		-	92	9	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	17	۸	-	77	٣		
109876 54321	18	SB	-	79	В	-	1 2 3 - 4 5 6 7
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19	H	-	80	W		10 11 10 10
17 10 13 14 13	20	Ь	-	18	ч	1	0 2 1 1 1 1 1 1 1 1 1
	21	ΡΠ	1	82	-	П	
	22	H	1	83	HB.	П	
nal Color	23	>	1	84	0	П	la.
No. of Wire Signal Name [Specification]	24	GR	-	82	9	-	No. of Wire Signal Name [Specification]
1 T	22	λ .	_	98	SB		1 6
4 LG -	27	Н	-	87	ч		4 B/P -
2	28	M/L	-	88	9		- 0 9
7 LG –	30	Ь	-	88	GR	-	- M 9
10 B -	31		1	90	>	1	- × ′
	32	BR	-	91	5	-	8 GR –
12 G –	34	Т	1	92	BR	1	5 6
13 V -	35	SHIELD		93	9	-	- 0 01
14 GR -	36	0/7	1	94	>	1	
BR	37	┝	1	92	BR	1	>
H	4	⊦	1	96	GR	1	14 R -
	41	┞	1	97	œ	1	L
	45	SB	1	86	57	1	16 SB
	46	H	1	66	0	1	ł
Connector No. B11	47	Г	1				
Г	48	S	1				Connector No. B217
Connector Name WIRE TO WIRE	49	Т	1	Connector No.	l	B47	
Connector Type TH80MW-CS19	20	Н	-	Jonno	V man Name	JOHN OT JOHN	Connector Name WINE TO WINE
¢	51	R/L	-			יוויב וס יווייב	Connector Type NS03FW-CS
	52	В	-	Connect	Connector Type	NS03FW-CS	á
	53	+	-	Q			医
	54	+	1	手			
	92	_	-	S :: V			
5 2 2 2 2 3 3 3 3 3 3 3 3 3	56	۵	=				100
	57	\dashv	1			3 0 1	1 7 6
	58	┪	1			1 3 6	
la	98	φ	-				
	8	┨	1		ı		Terminal Color Signal Name [Specification]
i SHIELD –	19	┨	-	Terminal	_	Signal Name [Specification]	
2 B –	62	\dashv	1	No.	of Wire		1 GR -
	83	<u>5</u>	1	-	>	1	2 0 –
	64	\dashv	-	2	PC	ı	3 B -
	92	\dashv	-	3	В	ı	
- Д.	99	┨	1				
>	67	GR	1				
8 SHIELD -	89	╛	-				
Н	69	-	-				
	70	W/R	_				

JCJWM1708GB

HEATED SEAT

Revision: 2011 November

action)	А
Signal Name [Specification]	В
	С
Color Colo	D
offication] OH LH	Е
B446 NS02MW-CS Signal Name [Specification] Signal Name [Specification] Signal Name [Specification] FREAR HEATED SEAT SWITCH LH NS06FW-CS Signal Name [Specification]	F
Name	G
Connector Connector Connector Connector Connector Connector Connector Connector Connector A.S. H.S. H.S.	Н
WIRE Signal Name [Specification] WIRE CS Signal Name [Specification] Signal Name [Specification]	I
	SE
Connector No. B442	K
	L
With the state Signal Name Specification Specificati	M
HEATED SEAT 10 8218 10 10 10 10 10 10 10	Ν
A Sector by the	0
Z 0 </td <td></td>	
	Р

SE-53

2011 MURANO

REAF	3 HE	REAR HEATED SEAT						
Connector No.	r No.	D81	17	٣		89	Υ	_
Connector Name	r Name	WIRE TO WIRE	18	GR	-	69	SB	_
	Manie	WINCE TO WINCE				70	GR	-
Connector Type	r Type	TK10MW-NS8				7.1	SB	_
q			Connector No.	7	E105	72	>	I
事			Connector Name	or Name	WIRE TO WIRE	73	- M	ii i
H.S.	Ŀ		Connector Type		TH70MW-CS10-M3	¥ 12	ž d	1. 1
	1	2 3 4 5 - 6 / 8 9	500		TILL COMMAN COLO MICO	92	á	1
	F	12 13 14 15 16 17 18	€			72	50	1
						78	>	- [With navigation system]
			2			78	G	 [With iPod without navigation system]
Terminal	Color	Signal Name [Specification]			8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	78	> >	 [Without iPod and navigation system]
-	ž ×					80	- 0	1 1
4	_	1				18	*	1
2	≥	ı	Terminal	_	3	82	5J	ı
7	P	1	No.	of Wire	Signal Name [Specification]	83	0	ı
10	В	-	3	Υ	-			
11	٨	-	5	ΡΠ	1			
12	5	1	9	GR	-	Connector No.	or No.	M1
13	>	1	8	g	1	Connector Name	Mama	(B/I) XOO B BIIB
14	Ь	-	11	Ь	-		Maille	rose becon (s/ b/
15	SB	1	12	٦	1	Connector Type	or Type	NS06FW-M2
17	œ	-	13	Υ	-	4	_	
18	GR	1	14	0	1	厚		
			15	BR	1) II G		
			20	>	1		_	3A 2A 1A
Connector No.	r No.	D155	21	BR	Ξ.			8A 7A 6A 5A 4A
Connector Name	r Name	WIRE TO WIRE	22	۵.	ı			
T age	T.	MANONAL MODE	24	ا ر	1			
Connecto	adk I	I K I UMWY – NS8	8	5	1		L	
1			97	9	1	Iermina	Color	Signal Name [Specification]
事			87	s >		9	>	i
Z.S.	Ŀ		8 5	-		<u> </u>	- (i
	<u> </u>	45 - 6 / 8 8	48	-	1	34	5 >	1
	11	11 12 13 14 15 16 17 18	40	g	1	44	- a	1
			20	g		5.4	6	1
			51	9	1	9 9	Α	1
Terminal	Color		52	>	1	7.4	PI	ī
No.	of Wire	oignal Name [opecimication]	53	GR	1	8A	>	П
-	Μ	1	54	BB	1			
4	_	1	22	>	1			
2	Α	1	26	N/L	1			
7	P	1	09	>	1			
10	В	1	19	BR	1			
=	۰	1	62	0	1			
12	g	1	63	0/1	1			
13	>	1	64	SHIELD	1			
4	۵	1	99	*	1			
15	SB	1	29	BR				

JCJWM1710GB

H	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10 GR –	а.	13	15 BR	>																																									
						-					M58	HEATED SEAT RELAY	O TOWN			[6]	2],		<u> </u>	- M3		or Signal Name [Specification]							M70	Ι.		B NS16FBR-CS				7 6 5 4 3 2 1	16 15 14 13 12 11 10 9 8				or Signal Name [Specification]						
72 BR	73 L	H	+	20 /	- 62	H	Н	82 W	1		Connector No.	Connector Name	Time	connector 1ype	€	-	ė				- 1	-E	No. of Wire	+	+	× .	6		Connector No.	2	Connector Name	Connector Type	ą	手	<u>د</u>					-	No of Wire	+	+	t (+	┨	
REAR HEATED SEAT Connector No. M11	WIRE TO WIRE	TH70FW-CS10-M3	II.							Signal Name [Specification]	1	1		1	1	1	1	1	1	1	1	I	1	1	1	1	1 1		1	1	1	ī	1	1	1	ı	1	1					11 1				
REAR HEA	Connector Name	Connector Type			ળું				Color		۵	+	+	r	╀	╀	×	٣	\dashv	4	ŋ	>	+	æ	+	¥ (+	╀	F	H	Н	Н	+	+	+	+	+	+	> L	T	+	4 3	+	L C	+	4	
H	Conne	Conn	Ą.	手	Ę.				Termina	, S	3	5	ه م	2 م	= 2	13	14	15	20	21	22	24	52	58	25	S .	4 4	4	S S	51	52	53	24	3	96	8	19	9	3 2	5 8	8 6	9	8	۶	? ?		

Α

В

С

D

Е

F

G

Н

SE

Κ

L

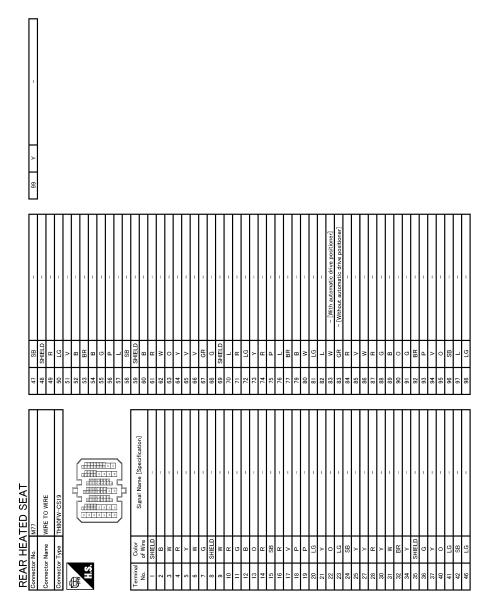
M

Ν

0

Р

JCJWM1711GB



JCJWM1712GB

Wiring Diagram - LUMBAR SUPPORT -

INFOID:0000000006259169

Α

В

C

D

Е

F

G

Н

SE

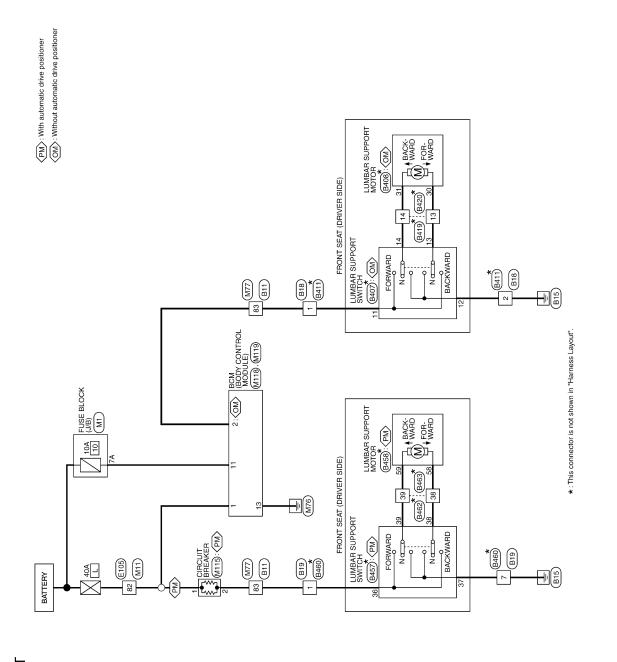
Κ

L

M

Ν

Р



LUMBAR SUPPORT

0

2008/09/23

JCJWM1695GB

< DTC/CIRCUIT DIAGNOSIS >

Connector No. B462 Connector Name WIRE TO WIRE Connector Type NS10MW-CS R 7 mm 38 39 10 9 4 3 6 5	Terminal Color Signal Name [Specification] Solor Signal Name [Specification] Signa	A B C
Connector No. B458 Connector Name LUMBAR SUPPORT MOTOR Connector Type YAZAKI 7283-1020 KMA H.S.	Terminal Color Signal Name [Specification] Signal Name Specification] Signal Name	E F G
Connector No. 8420 Connector Name WIRE TO WIRE Connector Type NS10FW-CS 14 13 7 8 14 13 7 8	Terminal Color Signal Nane [Specification] No. Color Color	SE
LUMBAR SUPPORT Connector No. 8411 Connector Type NSOBMY-CS Connector Type NSOBMY-CS	No. Signal Name [Specification] R R R R R R R R R	M N
LUMBAR Connector Nume Connector Type HS	Terminal Color No. Connector No. Connector No. Color No. Connector No. Conne	O

Revision: 2011 November SE-59 2011 MURANO

LUMBA Connector No.	BAR % No.	LUMBAR SUPPORT	72	>	1	Termina	Color		Γ
00000	Ometer Manage	т	73	L	-	No.	of Wire	Signal Name [Specification]	
Colline	or Name		74	W	1	3	Ь	-	
Connector Type	or Type	TH70MW-CS10-M3	75	BR	_	2	0	_	
þ			76	GR	1	9	g	1	
厚		٦	7.7	0	ı	80	œ	1	Т
E C		111111111111111111111111111111111111111	78	>	[With navigation system]	Ξ	۵	ı	Т
			78	9	 [With iPod without navigation system] 	12	٦	1	Т
		8 N N N N N N N N N	78	>	 [Without iPod and navigation system] 	13	>	1	Т
		2 8 2 2 3 2 2 2	79	>	1	14	>	1	Т
			80	۳	I	12	ď	ı	Т
			81	W	ı	20	>-	ı	Т
Terminal		Signal Name [Specification]	82	LG	1	21	æ	ı	Т
Š	of Wire		83	0	1	22	ŋ	ı	Т
က	>	1				24	¥	ı	Т
2	១	1				22	٦	ı	Т
9	æ	1	Connector No.	No.	Mi	28	BR	1	٦
8	g	_	Connector Name		FIISE BLOCK (I/B)	29	7	_	
=	Ь	1			TOSE BECOM (3/ B)	30	н	1	Г
12	٦	1	Connector Type	Type	NS06FW-M2	47	Ь	1	Г
13	>	1	ſ			48	٦	1	Г
41	0	1	B			49	М	1	Г
12	BR	-	Ž			20	GR	-	Г
20	>	-	2		3A 2A 1A	51	FC	1	Γ
21	BB	-			7 7 7 7	52	Υ	1	Π
22	۵	-			8A / A DA DA 4A	53	>	1	Π
24	٦	1				54	SB	1	Π
52	0	1				55	۵	1	Γ
28	SB	1	Terminal	Color	3	56	SB	1	Γ
59	Α	1	No.	of Wire	Signal Name [Specification]	09	>	1	Γ
30	>	1	۱۸	Υ	1	19	GR	1	Γ
47	۵	1	2A	g	П	62	0	ı	Γ
48	٦	1	34	>	1	63	>	1	Γ
49	SB	-	44	GR	1	64	SHIELD	1	Π
20	S.		5A	œ	1	99	٨	ı	Γ
21	57	-	99	W	1	67	α	1	Γ
25	>	,	7.A	16	Ť	89	۸	1	Τ
23	GR	-	88	>	1	69	а	1	Γ
55	æ					70	9	ī	Γ
22	>	1				7.1	9	ī	Γ
29	I/M		Connector No.	No.	Mii	62	BB	1	Τ
9	>			Ι		73	_	1	Τ
19	æ	-	Connector Name		WIRE TO WIRE	74	Α.	1	Τ
8	c		Connector Type	Г	TH70FW-CS10-M3	75	ag.	1	Т
3 8	> =			1		92	íα	1	Τ
8	SHEID	1	Œ			77	: 0	1	Т
\$ 8	SPIEL		事			ì	9 :	i	T
8 8	≥ 8	'	S			8/ 5	<u> </u>	1	T
هٔ ه	<u></u>	'				6/	ם פ	1	T
38	<u>- </u> ;	'				80	r i	1	Т
9	gg (1			E Z	18	۸ :	1	Т
2	æ	1				82	*	1	Т
71	SB	-]	83	0	1	٦

JCJWM1697GB

< DTC/CIRCUIT DIAGNOSIS >

THE SUPPLY COUPUT OF CUITPUT OF C	А
Signal Name (Specification) INTERIOR ROOM LAMP POWER SUPPLY PASSENGER BOOK UNLOOK OUTPUT STEP LAMP OUTPUT ALL DOOR, FUEL LID UNLOOK OUTPUT REAR DOOR, FUEL LID UNLOOK OUTPUT REAR DOOR FUEL LID UNLOOK OUTPUT REAR DOOR FUEL LID UNLOOK OUTPUT ACK IND ACK IND TURN SIGNAL BH TURN SIGNAL BH TURN SIGNAL BH TURN SIGNAL BH ROOM LAMP TIMER CONTROL	В
October Octo	С
Terminal F	D
offication] offication] R SUPPLY (RAP) R SUPPLY (RAP) 18 10	Е
MITS CIRCUIT BREAKER MOZFW-P-LC Signal Name [Specification] Signal Name [Specification] BOWER WINDOW POWER SUPPLY (RAR) POWER WINDOW POWER SUPPLY (RAR) MOSFB-LC MITS BOW (BODY CONTROL MODULE) NS16FW-CS NS16FW-CS NS16FW-CS NS16FW-CS NS16FW-CS NS16FW-CS NS16FW-CS	F
∑ 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	G
Connector Nar Co	Н
	I
- (With autom	SE
S S S S S S S S S S	K
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	
[top]	L
WWRE CS19 Signal Name (Specification)	M
MWRE TO THEODOW.	Ν
Connector Name Connector Name Connector Name Connector Name Connector Type Conn	0
JCJWM1698GB	Р

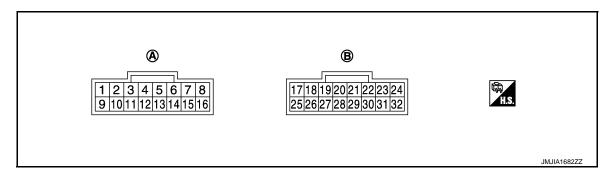
< ECU DIAGNOSIS INFORMATION >

ECU DIAGNOSIS INFORMATION

REAR SEATBACK POWER RETURN CONTROL UNIT

Reference Value

TERMINAL LAYOUT



A. B492 B. B493

PHYSICAL VALUES

Rear seat back power return control unit

Terr	minal No.	Wire	Description			Value
+	_	color	Signal name	Input/ Output	Condition	(Approx.)
1	Ground	B/W	Ground (Motor sensor RH)	_	_	0
2	Ground	G/W	Motor sensor (RH) input signal	Input	When the power return motor (RH) is operated	(V) 6 4 2 0 10 ms
					When the pinch occurs	The above pulse width should be expanded
3	Ground	Y/R	Motor sensor (RH) Power supply	Input	When the power return motor is operated	Battery voltage
5	Ground	R/B	Power return motor (LH) backward signal	Output	When the power return motor (LH) performs reverse operation	Battery voltage
					Other than the above	0
6	Ground	L	Power return motor (LH) forward signal	Output	When the power return motor (LH) performs return operation	Battery voltage
					Other than the above	0
7	Ground	R/W	Power return motor (RH) backward signal	Output	When the power return motor (RH) performs reverse operation	Battery voltage
					Other than the above	0
8	Ground	L/W	Power return motor (RH) forward signal	Output	When the power return motor (RH) performs return operation	Battery voltage
					Other than the above	0

Α

В

С

D

Е

F

Н

L

M

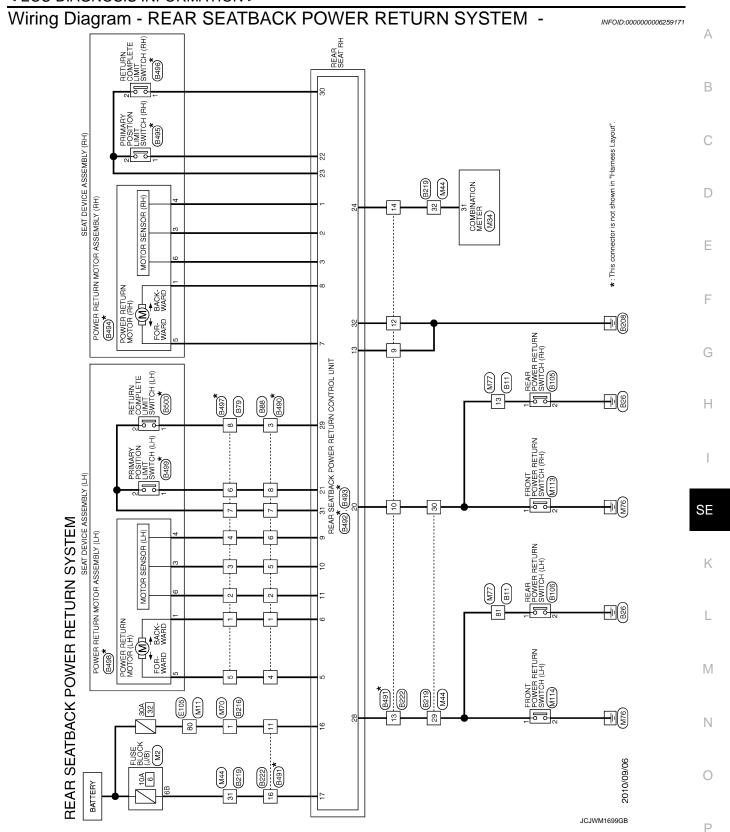
Ν

0

Ρ

Terr	minal No.		Description			
+	_	Wire color	Signal name	Input/ Output	Condition	Value (Approx.)
9	Ground	B/Y	Ground (Motor sensor LH)	_	_	0
10	Ground	G	Motor sensor (LH) input signal	Input	When the power return motor (LH) is operated	(V) 6 4 2 0 10 ms JMKIA0070GB
					When the pinch occurs	The above pulse width should be expanded
11	Ground	Υ	Motor sensor (LH) Power supply	Input	When the power return motor is operated	Battery voltage
13	Ground	В	Ground (power)	_	_	0
16	Ground	R	Battery power supply (power)	Input	_	Battery voltage
17	Ground	R	Battery power supply (system)	Input	_	Battery voltage
20	Ground	LG	Power return switch (RH) input signal	Input	When pressing the power return switch (RH)	0
			(IXI I) IIIput signal		Other than the above	5
21	Ground	W	Primary position limit switch (LH) input sig- nal	Input	When the sector gear (LH) is in the initial position (other than low power consumption mode)	Battery voltage
					Other than the above	0
22	Ground	W/R	Primary position limit switch (RH) input sig- nal	Input	When the sector gear (RH) is in the initial position (other than low power consumption mode)	Battery voltage
					Other than the above	0
23	Ground	BR/W	Ground (limit switch RH)	_	_	0
24	Ground	LG	Vehicle speed signal (8-pulse)	Input	When vehicle speed is approx.40 km/h (25MPH)	NOTE: Maximum voltage may be 12 V due to specifications (connected units) (V) 6 4 2 0 ***20ms SKIA6649J
28	Ground	LG/Y	Power return switch	Input	When pressing the power return switch (LH)	0
			(LH) input signal	•	Other than the above	5

Teri	minal No.	Wire	Description			Value
+	_	color	Signal name	Input/ Output	Condition	(Approx.)
29	Ground	L	Return complete limit switch (LH) input sig- nal	Input	When the rear seatback (LH) is in the return completion position (other than low power consumption mode)	Battery voltage
					Other than the above	0
30	Ground	L/W	Return complete limit switch (RH) input sig- nal	Input	When the rear seatback (RH) is in the return completion position (other than low power consumption mode)	Battery voltage
					Other than the above	0
31	Ground	BR	Ground (limit switch LH)	_	_	0
32	Ground	В	Ground (system)	_	_	0



< ECU DIAGNOSIS INFORMATION >

R.W. R.W. R.W. R.W. R.W. R.W. R.W. R.W.	Connector Type NISOBFW-CS	Connector Type TK04FW
Specification Specificatio	inal Color C	(本)
Specification Sign	Color of Wire BR L	Hs.
Specification Spiritual Specification Spiritual Spiritua	Color of Wire BR BR L L C O O Y	4321
(Specification) 69 SHIELD	Color of Wire BR L L	
660 R.M. 623 R.M. 634 L.G. 644 V 656 R.M. 670 G.R. 670 G.R. 671 B.R.R. 771 B.R.R. 772 L.G. 773 L.G. 774 S.B. 875 G.G. 876 C.G. 877 R.R. 878 G.G. 878 G.	of Wire BR L O Y	
65 RY	0 >	No. of Wire Signal Name [Specification]
65 BK	0 ×	2 B/W =
66	٨	1
665 VV 677 GR 68 SHEID 70 W/R 71 S/R 72 V 73 LG 74 SB 75 LG 77 R 78 LG 77 R 78 LG 77 R 81 R 81 R 81 R 82 L 83 BR 84 O 85 SB 85 G 86 SB 86 G 87 R 89 G 87 R 89 G		
6.6 G N C C C C C C C C C C C C C C C C C C	5 W -	Connector No. B106
667 GR	- A 9	OEAB DOWIED BETT IN SMITCH (I II)
698 SHEILD	7 R -	╗
70 W/R	8 LG	Connector Type TK04FW
710 W/R		á
72 Y Y	- [医
73 LY	Connector No. B88	
743 SLG 746 CL 746 CL 747 RG 747 RG 748 CL 749 CL 7	Connector Name WIRE TO WIRE	_
754 S.B		4 3 2 1
75 G L	Connector Type NS08FW-CS	
776 G G	á	
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	唐	
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		Signal Name [Specification]
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	3 0 1	
8 8 8 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	8 7 6 5 4	~
88 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9	2 B -
883 BR 884 BR 895 G G G G G G G G G G G G G G G G G G G		
85 G C C C C C C C C C C C C C C C C C C		
Ω ∰ α Ω ∰ ≻ Ω ∰ Ω > ∰	Terminal Color Signal Name [Specification]	
88 c c 8 c > c 8 c > 8		
	BR	
0.0 K R B B R K C C C C C C C C C C C C C C C C C C		
A	P	
F G G B BR S G G Y	+	
o # o > #		
R 0 > R	- × 9	
O > BB	7 R -	
> BR	- > 8	
BR		
ŀ		
96 GR		
H		
L		

JCJWM1700GB

INOLUMIT THOU	А
MATR RH+ MOTOR SENS GND LH MOTOR SENS GND LH MOTOR SENS GND LH GND POWER BASS BASS BASS Signal Mame [Specification] Signal Mame [Specification] Signal Mame [Specification] Signal Mame [Specification] AND SIG GND SIG GND SIG	В
	С
1 1 1 1 1 1 1 1 1 1	D
	E
B492 Signal Name [Specification] NOTOR SENS GIO RH MOTOR SENS GIO RH MOTO	F
	G
1 1 1 1 1 1 1 1 1 1	
	Н
WIRE	I
	SE
SB SB SB SB SB SB SB SB	K
	L
R RETUR	
NWRE Standard St	M
ATBAC WINE TO WINE TO WIN WINE TO WINE TO W	N
Connector Name Colorector Type Connector Type Colorector T	0
	M1701GB
	P

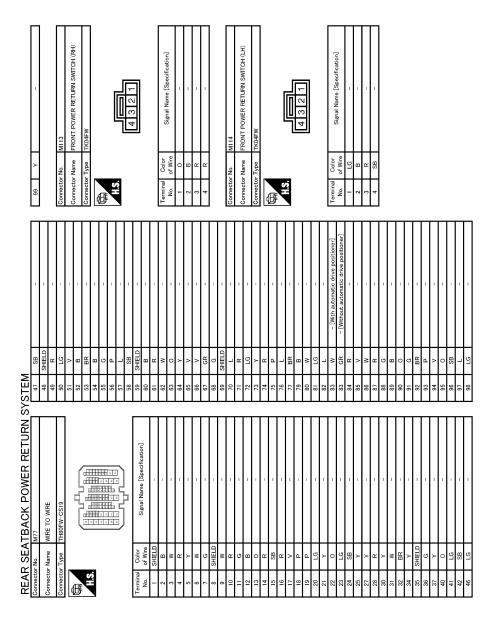
	259 W	11111111	64 SHELD 67 WW 67 BR 68 YY 70 GR 71 SB 72 Y 73 L 74 W 75 SHELD 76 SHELD 77 SHELD 78 SHELD 79 SHELD 70 GR 70 SHELD 70 SHELD 71 SHELD 71 SHELD 72 SHELD 73 SHELD 74 WW 75 SHELD 75 SHELD 75 SHELD 75 SHELD 76 SHELD 77 SHELD 78	+++++++
Connector No. B499 Connector Name ProMARY POSITION LIMIT SWITCH (LH) Connector Type YAZAKLY283-5972	Terminal Color Signal Name [Specification] 1 W	Connector Type SUMITOMO.6088-0239	Terminal Color Signal Name [Specification] No. of Wire 1 L 2 BR Connector No. E105 Connector Name WIRE TO WIRE	ا ا ا
Terminal Golor Signal Name [Specification] No. of Wire Signal Name [Specification]	1 2	2 Y Y Y S G G G G G G G G G G G G G G G G	Connector No. B498 Connector Name POWER RETURN MOTOR ASSEMBLY (LH) Connector Type SUMMTONNO 6098-0245 MARK 1.S 1.0 1.0 1.0 1.0 1.0 1.0 1.0	Terminal Golor Signal Name [Specification] No. of Wire Signal Name [Specification]
REAR SEATBACK POWER RETURN S Connector Name B484 Connector Name POWER RETURN MOTOR ASSEMBLY (R4) Connector Type SUMITOMO 5008-0245 H.S. 1	ğ s × × × α	Connector No. B495 Connector Name PRIMARY POSITION LIMIT SWITCH (RH) Connector Type YAZAK17283-5972	1 2	P 0

JCJWM1702GB

< ECU DIAGNOSIS INFORMATION >

REAR SEATE Connector No. M2	KEAR SEATBACK POWER RETURN SYSTEM Connector No. M2	YSTEM	BR -		> -	BAT		6 SHIELD	Q	1	П
Connector Name FUS	FUSE BLOCK (J/B)	29	1		+	NDI		+		1	
Т		30	п .		В	GROUND		7		1	
Connector Type NSI	NS10FW-CS	47			- 1	GROUND		9 SHIELD	۵	1	
ą		48	1		SB SB	ILLUMINATION O	ONTROL	01		1	
		49				TRIP RESET SI	WITCH	1 I		1	
		C U	-			MOG I II MO	0 15	O DIE	0		
5		9	- L	I		SWILL POW	יבא	IZ SHIELI			Ī
_	4B3B 2B1B	2	_ 		0	METER CONTROL	- SW GND	2			
	1/18 QB 8B 7B 8B 5B	52	-		1	ENTER SWIT	LCH	15 LG		1	
	20 20 20 20 20	53			12 R	SELECT SWI	TCH	-		1	
		54	SB -		13	BLLUMMATION CONTROL SWITCH (+) [WR	th automatic drive positioner]	17 R		-	
		92	- а		13	ILLUMINATION CONTROL SWITCH (+) [Web	hout automatic drive positioner]	18 W			
	3	99	SB		æ	ILLUMINATION CONTR	OL SWITCH (-)	H			
No. of Wire	Signal Name [Specification]	09	>		BB	AIR BAG		H		1	
		5	. 0	Ι	ł	ADO TRADIOMA	903	ł			Ī
+		ō	י		+	AMBIENI SEI	2001	÷ :			
+	1	79	- 0		19 61	AMBIENT SENSOR POWER	K POWER	32 ^		1	7
4B G		63			20 Y	AMBIENT SENSOR	S GROUND				
2B L	1	64	SHIELD -		21 L	CAN-H					
× 89	1	99	~		99 B	-NAC		Connector No	M70		
╀			: 0	I		CBOILING			Т		T
+	ı	6 8	د :	T	1	GNIOCAR IN THE	0.000	Connector Name	WIRE TO WIRE		
2 00		8		T	M +7	FUEL LEVEL SENSO	מאטטאס אי				Ī
┨		69	1		7	CHG		Connector Type	NS16FBR-CS		1
		70	ı g		26 G	PARKING BRAKE	SWITCH	q			
		7.1	B		27 V	BRAKE FLUID LEVE	EL SWITCH	唐			
Connector No. M11		72	BR -		29 R	WASHER LEVEL SWITCH	SWITCH	Ę			
Г	LGAN OF LGAN	73	- 1		L	VEHICLE SPEED (2-PULSE)	2	1 2 8 5 7	1 3 2 1	
Connector Name WIR	CE TO WINE	74			L	VEHICLE SPEED (8-PULSE)		- ; - ;	1 0	
Connector Type TH7	TH70FW-CS10-M3	75	BR		32 LG	OD OFF / SPORTS	ORTS		10 15 14 13 12	12 11 10 9 8	
 		9/	ď		H	FUEL LEVEL SE	ENSOR				
4		7.7			ł	SEAT BEI T BLICKLE SWITCH (DBN/ED SIDE)	CH (DDIVED SIDE)				
		27	7 >		38	SEAT BEILDKLE SWITCH (PASSENGER SIDE	(PASSENGER SIDE)				
E S		79			┨			No. of Wire		Signal Name [Specification]	
		8	· · ·	I							
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 5	4 3	Ī	on reterence	****					
	2 Z 2 Z 2 Z	<u></u>		I	Connector No.	M44		4 t			
		82		T	Connector Name	WIRE TO WIRE		+		1	Ī
		83	- 0					9		1	
Terminal Color	Signal Name [Specification]				Connector Type	TH32FW-NH		7 W		1	
					4			8		_	
<u>م</u>	1	Connector No.	No. M34					6			
C	1		Γ	Ι				01 25			
ł		Connector Name	Name COMBINATION METER		22	<u> </u>		ł			Ī
+			Ť	I	¥	4 12 12 11 11 10 10 17 15	0 0	+			I
+		Confidence	ccor Type TH40FW-NH		2 6	0 00 00 00 00 00 00 00 00 00 00 00 00 0	6	+		,	Ī
1	I	q			5	0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	0 10	+			
12 L	1	国						15 BR		1	
/ 2	1	ŧ						16		1	Ι
۱4 ۲	1	Ė	[Terminal Color						
╀			5 8 7 8 0 10 11 10 13	10 20	No of Miro	Signal Name [Specification]	cification]				
15 K	1		2 3 4 5 5 7 8 36 70 70 70 70 70 70 70 70 70 70 70 70 70	8 8	7						
\dashv	1		20 20 10 00 00 00 00 00 00	100	<u>5</u>	1					
21 BR	1				- 1	ı					
	-				3 SHIELI						
H	1	Terminal			ı						
25 L	1	No.	of Wire Signal Name (Specification)		2 M						
					ı						
ıcı											
	ľ			ı			ı		(ļ	/
С	L M		I K	Н		F	Е	D	С	В	Α

Revision: 2011 November SE-69 2011 MURANO



JCJWM1704GB

Fail Safe

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

< ECU DIAGNOSIS INFORMATION >

Possible location of malfunction	Diagnosis mode	Corrective action
Return complete limit switch "ON" mal- function	The return completion position cannot be detected	Detect the lock with the rear seatback power return control unit, and then reverse the power return motor
Return complete limit switch "OFF" mal- function	The automatic return cannot be performed because the return completion position is misrecognized	The manual return operation can be performed
Primary position limit switch "ON" mal- function	The initial position of the sector gear cannot be detected	Detect the lock with the rear seatback power return control unit, and then stop the power return motor * If the above condition is repeated for 4 times, stop the subsequent automatic return operation. However, the manual return operation can be performed
Primary position limit switch "OFF" mal- function	The initial position of the sector gear is mis- recognized (The sector gear reverse operation cannot be performed)	Return the sector gear to the initial position if the primary position limit switch is not turned to ON after starting the return (Lock detection) The manual return operation can be performed
Sensor malfunction (fixed to High or Low)	The motor lock is misrecognized because the pulse does not change	 If the pulse does not change completely after starting the motor operation, return the sector gear to the initial position The manual return operation can be performed

SE

Α

В

С

D

Е

F

G

Н

Κ

L

 \mathbb{N}

Ν

0

Р

REAR SEATBACK POWER RETURN SYSTEM DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

REAR SEATBACK POWER RETURN SYSTEM DOES NOT OPERATE BOTH SIDES

BOTH SIDES: Diagnosis Procedure

INFOID:0000000006259175

${f 1}.$ CHECK POWER SUPPLY AND GROUND CIRCUIT

Check power supply and ground circuit.

Refer to SE-13, "REAR SEATBACK POWER RETURN CONTROL UNIT: Diagnosis Procedure".

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace the malfunctioning parts.

2.CHECK VEHICLE SPEED SIGNAL CIRCUIT

Check vehicle speed signal circuit.

Refer to SE-37, "Component Function Check".

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 inspection result normal?

YES >> Check intermittent incident. Refer to GI-44, "Intermittent Incident".

NO >> GO TO 1.

LH

LH : Diagnosis Procedure

INFOID:0000000006259176

1. PERFORM POWER RETURN SWITCH

Perform power return switch.

From which power return switch (front or rear) does the seat return operation occur?

FRONT>> GO TO 2.

REAR >> GO TO 3.

BOTH SIDES>>GO TO 4.

2. CHECK FRONT POWER RETURN SWITCH (LH)

Check front power return switch (LH).

Refer to SE-14, "LH: Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

3. CHECK REAR POWER RETURN SWITCH (LH)

Check rear power return switch (LH).

Refer to SE-18, "LH: Component Function Check".

Is the inspection result normal?

YES >> GO TO 4.

NO >> Repair or replace the malfunctioning parts.

4. CHECK POWER RETURN MOTOR (LH)

Check power return motor (LH).

Refer to SE-35, "LH: Component Function Check".

Is the inspection result normal?

REAR SEATBACK POWER RETURN SYSTEM DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >	
YES >> GO TO 5. NO >> Repair or replace the malfunctioning parts.	Δ
5. CHECK RETURN COMPLETE LIMIT SWITCH (LH)	-
Check return complete limit switch (LH).	
Refer to SE-26, "LH: Component Function Check".	Е
Is the inspection result normal?	
YES >> GO TO 6. NO >> Repair or replace the malfunctioning parts.	C
6. CONFIRM THE OPERATION	
Confirm the operation again.	
Is the inspection result normal?	
YES >> Check intermittent incident. Refer to GI-44, "Intermittent Incident".	Е
NO >> GO TO 1. RH	
RH : Diagnosis Procedure	F
1.PERFORM POWER RETURN SWITCH	
Perform power return switch.	C
From which power return switch (front or rear) does the seat return operation occur?	
FRONT>> GO TO 2. REAR >> GO TO 3.	-
BOTH SIDES>>GO TO 4.	
2.CHECK FRONT POWER RETURN SWITCH (RH)	
Check front power return switch (RH). Refer to SE-15, "RH: Component Function Check".	- 1
ls the inspection result normal?	
YES >> GO TO 4.	SE
NO >> Repair or replace the malfunctioning parts.	
3.CHECK REAR POWER RETURN SWITCH (RH)	K
Check rear power return switch (RH). Refer to SE-19, "RH: Component Function Check".	
Is the inspection result normal?	L
YES >> GO TO 4.	
NO >> Repair or replace the malfunctioning parts.	II.
4.CHECK POWER RETURN MOTOR (RH)	N
Check power return motor (RH). Refer to SE-36, "RH: Component Function Check".	
Is the inspection result normal?	Ν
YES >> GO TO 5.	
NO >> Repair or replace the malfunctioning parts.	C
5.CHECK RETURN COMPLETE LIMIT SWITCH (RH)	
Check return complete limit switch (RH). Refer to SE-27, "RH: Component Function Check".	P
Is the inspection result normal?	1
YES >> GO TO 6.	
NO >> Repair or replace the malfunctioning parts.	
6.CONFIRM THE OPERATION	
Confirm the operation again.	
Is the inspection result normal?	

Revision: 2011 November SE-73 2011 MURANO

REAR SEATBACK POWER RETURN SYSTEM DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

YES >> Check intermittent incident. Refer to GI-44, "Intermittent Incident".

NO >> GO TO 1.

MALFUNCTION DETECTION BUZZER SOUNDS DURING POWER RETURN MOTOR INVERSE ROTATION

< SYMPTOM DIAGNOSIS >

MALFUNCTION DETECTION BUZZER SOUNDS DURING POWER RE-	
TURN MOTOR INVERSE ROTATION	Α
LH	
LH : Diagnosis Procedure	В
1. CHECK RETURN COMPLETE LIMIT SWITCH (LH)	С
Check return complete limit switch (LH). Refer to SE-26, "LH: Component Function Check".	
Is the inspection result normal?	D
YES >> GO TO 2.	
NO >> Repair or replace the malfunctioning parts. 2.CHECK PRIMARY POSITION LIMIT SWITCH (LH)	Е
Check primary position limit switch (LH).	
Refer to SE-22, "LH: Component Function Check". Is the inspection result normal?	F
YES >> GO TO 3.	
NO >> Repair or replace the malfunctioning parts.	G
3. CHECK POWER RETURN MOTOR (LH)	
Check power return motor (LH). Refer to SE-35, "LH: Component Function Check".	Н
Is the inspection result normal?	
YES >> GO TO 4. NO >> Repair or replace the malfunctioning parts.	ı
4. CONFIRM THE OPERATION	
Confirm the operation again.	SE
Is the inspection result normal? YES >> Check intermittent incident. Refer to GI-44, "Intermittent Incident".	
NO >> GO TO 1. RH	K
RH : Diagnosis Procedure	L
1. CHECK RETURN COMPLETE LIMIT SWITCH (RH)	
Check return complete limit switch (RH). Refer to SE-27, "RH: Component Function Check".	M
Is the inspection result normal? YES >> GO TO 2.	
YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts.	Ν
2.CHECK PRIMARY POSITION LIMIT SWITCH (RH)	
Check primary position limit switch (RH). Refer to SE-23, "RH: Component Function Check".	0
Is the inspection result normal?	Г
YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts.	Р
3.CHECK POWER RETURN MOTOR (RH)	
Check power return motor (RH). Refer to SE-36, "RH: Component Function Check".	
Is the inspection result normal?	
YES >> GO TO 4.	

MALFUNCTION DETECTION BUZZER SOUNDS DURING POWER RETURN MOTOR INVERSE ROTATION

< SYMPTOM DIAGNOSIS >

NO >> Repair or replace the malfunctioning parts.

4. CONFIRM THE OPERATION

Confirm the operation again.

Is the inspection result normal?

YES >> Check intermittent incident. Refer to GI-44, "Intermittent Incident".

NO >> GO TO 1.

DOES NOT RETURN BUT MALFUNCTION DETECTION BUZZER SOUNDS

< SYMPTOM DIAGNOSIS >

DOES NOT RETURN BUT MALFUNCTION DETECTION BUZZER	₹
SOUNDS LH	Α
I H : Diagnosis Procedure	В
	180
1.CHECK PRIMARY POSITION LIMIT SWITCH (LH) Check primary position limit switch (LH).	_ C
Refer to SE-22, "LH: Component Function Check".	
Is the inspection result normal? YES >> GO TO 2.	D
NO >> Repair or replace the malfunctioning parts.	
2.CHECK MOTOR SENSOR (LH)	E
Check motor sensor (LH). Refer to SE-30, "LH: Component Function Check".	_
Is the inspection result normal? YES >> GO TO 3.	F
NO >> Repair or replace the malfunctioning parts.	G
3.CONFIRM THE OPERATION	_
Confirm the operation again. Is the inspection result normal?	Н
YES >> Check intermittent incident. Refer to GI-44, "Intermittent Incident". NO >> GO TO 1.	
RH	1
RH : Diagnosis Procedure	
1. CHECK PRIMARY POSITION LIMIT SWITCH (RH)	SE
Check primary position limit switch (RH).	
	I/
Refer to SE-23, "RH: Component Function Check". Is the inspection result normal?	K
Refer to SE-23, "RH: Component Function Check". Is the inspection result normal? YES >> GO TO 2.	K
Refer to SE-23, "RH: Component Function Check". Is the inspection result normal? YES >> GO TO 2.	K
Refer to SE-23, "RH: Component Function Check". 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).	K L —
Refer to SE-23, "RH: Component Function Check". Is the inspection result normal? YES >> GO TO 2. NO >> Repair or replace the malfunctioning parts. 2. CHECK MOTOR SENSOR (RH)	L _
Refer to SE-23, "RH: Component Function Check". 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 SE-32, "RH: Component Function Check". Is the inspection result normal? YES >> GO TO 3.	L _
Refer to SE-23, "RH: Component Function Check". 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 SE-32, "RH: Component Function Check". Is the inspection result normal?	L M
Refer to SE-23, "RH: Component Function Check". 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 SE-32, "RH: Component Function Check". Is the inspection result normal? YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. 3. CONFIRM THE OPERATION Confirm the operation again.	L —
Refer to SE-23, "RH: Component Function Check". 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 SE-32, "RH: Component Function Check". 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 inspection result normal?	L M N
Refer to SE-23, "RH: Component Function Check". 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 SE-32, "RH: Component Function Check". Is the inspection result normal? YES >> GO TO 3. NO >> Repair or replace the malfunctioning parts. 3. CONFIRM THE OPERATION Confirm the operation again.	L M N

ANTI-PINCH FUNCTION DOES NOT OPERATE

< SYMPTOM DIAGNOSIS >

ANTI-PINCH FUNCTION DOES NOT OPERATE

Diagnosis Procedure

INFOID:0000000006259182

1. CHECK MOTOR SENSOR (LH)

Check motor sensor (LH).

Refer to SE-30, "LH: Component Function Check".

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 SE-32, "RH: Component Function Check".

Is the inspection result normal?

YES >> Replace rear seatback power return control unit. Refer to <u>SE-118, "Removal and Installation"</u>.

NO >> Repair or replace the malfunctioning parts.

Work Flow INFOID:0000000006259185 Customer Interview Duplicate the Noise and Test Drive. Check Related Service Bulletins. Locate the Noise and Identify the Root Cause. Repair the Cause. NG Confirm Repair. OK

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 SE-83, "Diagnostic Worksheet". This information is necessary to duplicate the conditions that exist when the noise occurs.

Inspection End

 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 are provided so the customer, service adviser and technician are all speaking the same language when defining the noise.

Squeak – (Like tennis shoes on a clean floor)

Squeak characteristics include the light contact/fast movement/brought on by road conditions/hard surfaces = higher pitch noise/softer surfaces = lower pitch noises/edge to surface = chirping

Creak – (Like walking on an old wooden floor)

Creak characteristics include firm contact/slow movement/twisting with a rotational movement/pitch dependent on materials/often brought on by activity.

Rattle – (Like shaking a baby rattle)

Rattle characteristics include the fast repeated contact/vibration or similar movement/loose parts/missing clip or fastener/incorrect clearance.

Knock – (Like a knock on a door)

Knock characteristics include hollow sounding/sometimes repeating/often brought on by driver action.

Tick – (Like a clock second hand)

Tick characteristics include gentle contacting of light materials/loose components/can be caused by driver action or road conditions.

Thump – (Heavy, muffled knock noise)

Thump characteristics include softer knock/dead sound often brought on by activity.

Buzz – (Like a 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.

SE

Α

Ν

< 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</u>, "Inspection Procedure".

REPAIR THE CAUSE

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

CAUTION:

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

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

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

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

76268-9E005: 100×135 mm $(3.94 \times 5.31$ in)/76884-71L01: 60×85 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, 50×50 mm (1.97 \times 1.97 in)/73982-

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

INSULATOR (Light foam block)

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

FELT CLOTHTAPE

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

 $68370-4B000: 15 \times 25 \text{ mm} (0.59 \times 0.98 \text{ in}) \text{ pad/}68239-13E00: 5 \text{ mm} (0.20 \text{ in}) \text{ wide tape roll}$

The following materials, not found in the kit, can also be used to repair squeaks and rattles.

UHMW (TEFLON) TAPE

< SYMPTOM DIAGNOSIS > Insulates where slight movement is present. Ideal for instrument panel applications. SILICONE GREASE Α Used in place of UHMW tape that is be visible or does not fit. Will only last a few months. SILICONE SPRAY Used when grease cannot be applied. В **DUCT TAPE** Used to eliminate movement. CONFIRM THE REPAIR Confirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet. Inspection Procedure D INFOID:0000000006259186 Refer to Table of Contents for specific component removal and installation information. INSTRUMENT PANEL Е Most incidents are caused by contact and movement between: 1. The cluster lid A and instrument panel F Acrylic lens and combination meter housing Instrument panel to front pillar garnish Instrument panel to windshield Instrument panel mounting pins Wiring harnesses behind the combination meter 7. A/C defroster duct and duct joint These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or silicon spray (in hard to reach areas). Urethane pads can be used to insulate wiring harness. CAUTION: Never use silicone spray to isolate a squeak or rattle. If the area is saturated with silicone, the recheck of repair becomes impossible. SE CENTER CONSOLE Components to pay attention to include: 1. Shifter assembly cover to finisher A/C control unit and cluster lid C Wiring harnesses behind audio and A/C control unit The instrument panel repair and isolation procedures also apply to the center console. DOORS Pay attention to the following: Finisher and inner panel making a slapping noise Inside handle escutcheon to door finisher N Wiring harnesses tapping 4. Door striker out of alignment causing a popping noise on starts and stops Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. The areas can usually be insulated with felt cloth tape or insulator foam blocks from the Nissan Squeak and Rattle Kit (J-43980) to repair the noise.

TRUNK

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

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

Revision: 2011 November SE-81 2011 MURANO

Р

< 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:

- Headrest rods and holder
- A squeak between the seat pad cushion and frame
- 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:

- Any component mounted to the engine wall
- Components that pass through the engine wall
- Engine wall mounts and connectors
- 4. Loose radiator mounting pins
- 5. Hood bumpers out of adjustment
- Hood striker out of adjustment

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

< SYMPTOM DIAGNOSIS >

Diagnostic Worksheet

INFOID:0000000006259187

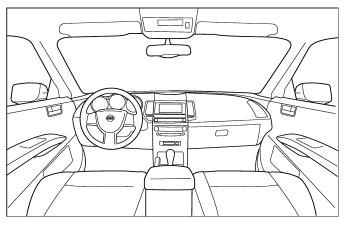


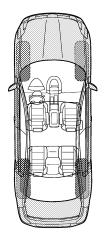
SQUEAK & RATTLE
DIAGNOSTIC WORKSHEET

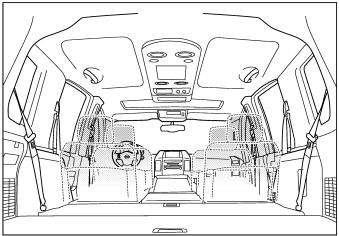
Dear Nissan Customer:

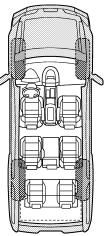
We are concerned about your satisfaction with your Nissan vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Nissan right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be 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.

PIIB8740E

Α

В

D

Е

F

G

Н

SE

Κ

IVI

Ν

0

Р

Briefly describe the location where the n	oise occurs:						
II. WHEN DOES IT OCCUR? (please change anytime 1st time in the morning only when it is cold outside only when it is hot outside	☐ after☐ whe	r sitting ou n it is rain or dusty co	it in the ra				
III. WHEN DRIVING:	IV. WH	AT TYPE	OF NOIS	E			
 □ 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 m 	crea	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 DEALERSHIF Test Drive Notes:	PERSONI						
		YES	NO	Initials of person performing			
Vehicle test driven with customer							
Noise verified on test driveNoise source located and repairedFollow up test drive performed to confile	rm repair						

PIIB8742E

PRECAUTION

PRECAUTIONS FOR USA AND CANADA

FOR USA AND CANADA: Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER" INFOID:0000000006259188

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

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.

FOR USA AND CANADA: 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.
- Apply sealing compound where necessary when installing parts.
- When applying sealing compound, be careful that the sealing compound does not protrude from parts.
- When replacing any metal parts (for example body outer panel, members, etc.), be sure to take rust prevention measures.

FOR USA AND CANADA: 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, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and keep them.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- Follow the steps below to clean components.

SE

Α

В

Е

INFOID:0000000006259190

Ν

INFOID:0000000006259191

After re-installation is completed, be sure to check that each part works normally.

PRECAUTIONS

< PRECAUTION >

- 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, use a genuine leather seat cleaner.

FOR MEXICO

FOR MEXICO: 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. 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.

FOR MEXICO: Service Notice

• When removing or installing various parts, place a cloth or padding onto the vehicle body to prevent scratches.

INFOID:0000000006259194

INFOID:0000000006259195

- Handle trim, molding, instruments, grille, etc. carefully during removing or installing. Be careful not to oil or damage them.
- Apply sealing compound where necessary when installing parts.
- When applying sealing compound, be careful that the sealing compound does not protrude from parts.
- When replacing any metal parts (for example body outer panel, members, etc.), be sure to take rust prevention measures.

FOR MEXICO: 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, be sure to protect it with a shop cloth.

 When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and keep them.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with new one.
- Be sure to tighten bolts and nuts securely to the specified torque.

Revision: 2011 November SE-86 2011 MURANO

PRECAUTIONS

< PRECAUTION >

- After re-installation is completed, be sure to check that each part works normally.
- Follow the steps below to clean components.
- Water soluble foul: Dip a soft cloth into lukewarm water, and wring the water out of the cloth to wipe the fouled area.
 - Then rub with a soft and dry cloth.
- Oily foul: Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%), and wipe the fouled area.
- Then dip a cloth into fresh water, and wring the water out of the cloth to wipe the detergent off. Then rub with a soft and dry cloth.
- Never use organic solvent such as thinner, benzene, alcohol, and gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

D

Α

В

C

Е

F

G

Н

SE

K

L

M

Ν

 \cap

Р

PREPARATION

PREPARATION

Special Service Tool

INFOID:0000000006259196

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

To (Ker 1	Description	
(J39570) Chassis ear	SIIAO993E	Locates the noise
(J43980) NISSAN Squeak and Rattle Kit	SIIA0994E	Repairs the cause of noise

Commercial Service Tool

INFOID:0000000006259197

	Tool name	Description
Engine ear	SIIAO995E	Locates the noise
Remover tool	JMKIA3050ZZ	Removes the clips, pawls and metal clips
Hook and pick tool	JMJIA0490ZZ	Removes the snap pins

CLIP LIST

Clip List

Shapes	Removal & Installation	Shapes	Removal & Installation
	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover.	Clip A	Removal: Finisher Clip A Flat-bladed screwdriver Clip B
TTTT	Removal: Remove with a clip remover.	Clip A Clip B (Grommet)	Removal: Flat-bladed screwdriver Body panel Clip A Clip B (Grommet)
9 9	Removal: Push center pin to catching position. (Do not remove center pin by hitting it.) Push Push		Removal: Holder portion of clip must be spread out to remove rod.
	Removal: Remove by bending up with flat-bladed screwdrivers or clip remover. Clip Finisher		Removal: 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver.
	Removal:		Removal: Installation: Rotate 45' to remove. Removal:
	Removal:		Removal:

SE-89

JMJIA3734GB

2011 MURANO

Α

В

С

D

Е

F

G

Н

SE

Κ

L

M

Ν

0

Ρ

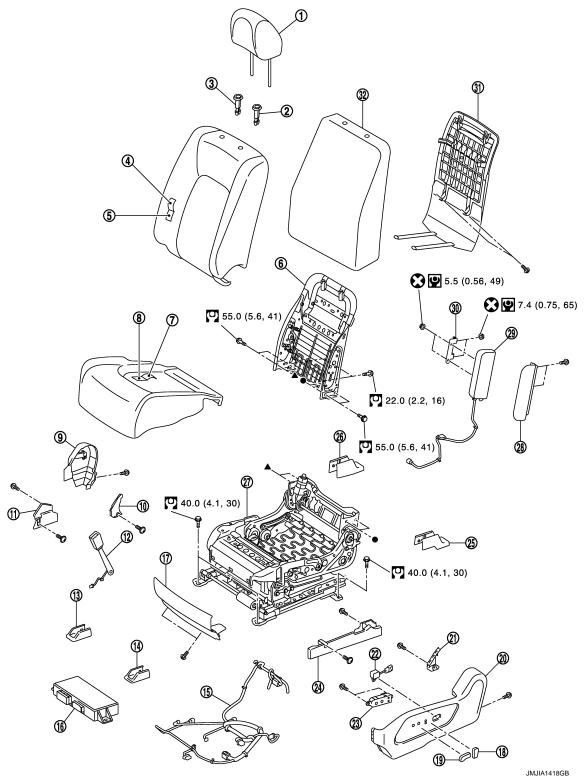
REMOVAL AND INSTALLATION

FRONT SEAT

Exploded View

DRIVER'S POWER SEAT

SEC. 870



< REMOVAL AND INSTALLATION >

1.	Headrest	2.	Headrest holder (locked)	3.	Headrest holder (free)
4.	Seatback trim	5.	Seatback pad	6.	Seatback frame
7.	Seat cushion trim	8.	Seat cushion pad	9.	Seat cushion inner finisher outside
10.	Seat cushion inner finisher inside (right)	11.	Seat slide inner cover	12.	Seat belt buckle
13.	Front inner slide cover	14.	Front outer slide cover	15.	Seat harness
16.	Seat control unit	17.	Seat cushion front finisher	18.	Seat reclining switch knob
19.	Seat control switch knob	20.	Seat cushion outer finisher outside	21.	Seat cushion outer finisher inside (left)
22.	Lumbar support switch	23.	Seat control switch	24.	Seat slide outer cover
25.	Rear outer slide cover	26.	Rear inner slide cover	27.	Seat cushion frame
28.	Side air bag module cover	29.	Side air bag module	30.	Side air bag module mounting bracket
31.	Seatback board	32.	Seatback silencer		
Ref	er to GI-4, "Components" for symbols	in the	figure.		
DRIVI	ER'S MANUAL SEAT				

D

SE

Α

В

С

D

Е

F

G

Н

Κ

L

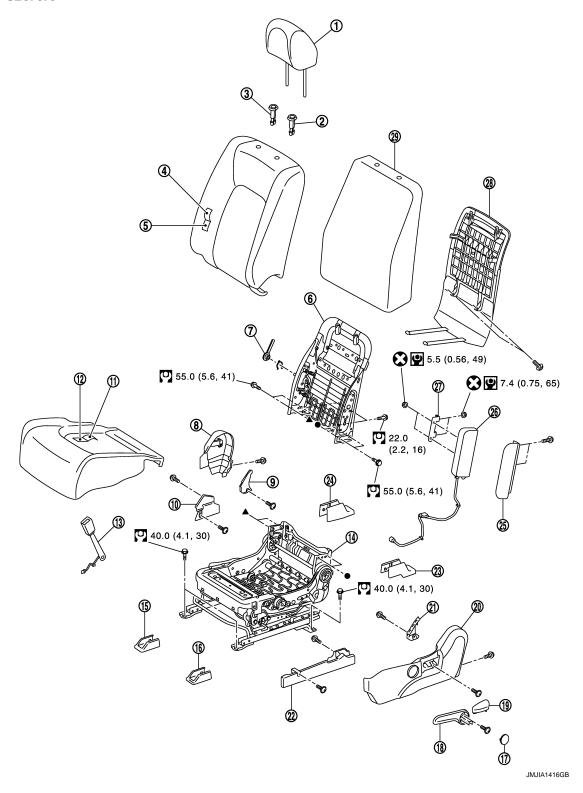
M

Ν

0

Р

SEC. 870



- 1. Headrest
- 4. Seatback trim
- 7. Lumbar support lever
- 10. Seat slide inner cover
- 13. Seat belt buckle

- 2. Headrest holder (locked)
- 5. Seatback pad
- 8. Seat cushion inner finisher outside
- 11. Seat cushion trim
- 14. Seat cushion frame

- 3. Headrest holder (free)
- 6. Seatback frame
- Seat cushion inner finisher inside (right)
- 12. Seat cushion pad
- 15. Front inner slide cover

< REMOVAL AND INSTALLATION >

16.	Front outer slide cover	17.	Lifter lever knob finisher	18.	Lifter lever	
19.	Reclining lever	20.	Seat cushion outer finisher outside	21.	Seat cushion outer finisher inside (left)	А
22.	Seat slide outer cover	23.	Rear outer slide cover	24.	Rear inner slide cover	
25.	Side air bag module cover	26.	Side air bag module	27.	Side air bag module mounting bracket	В
28.	Seatback board	29.	Seatback silencer			
Refe	er to GI-4, "Components" for symbols i	n the	figure.			С

PASSENGER'S POWER SEAT

CAUTION:

Never disassembly the component parts of only front passenger seat in the dotted lines shown in the figure below. (With occupant classification system control unit model)

Е

D

G

F

Н

SE

K

L

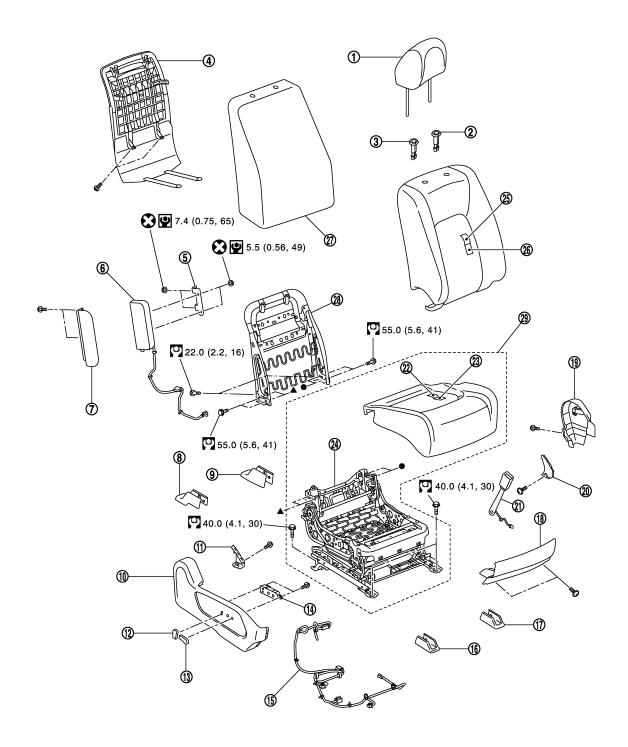
M

Ν

0

Р

SEC. 870



JMJIA1417GB

- 1. Headrest
- 4. Seatback board
- 7. Side air bag module cover
- 10. Seat cushion outer finisher outside
- 13. Seat control switch knob

- 2. Headrest holder (locked)
- 5. Side air bag module mounting brack- 6. et
- 8. Rear outer slide cover
- 11. Seat cushion outer finisher inside (right)
- 14. Seat control switch

- 3. Headrest holder (free)
 - Side air bag module
- 9. Rear inner slide cover
- 12. Seat reclining switch knob
- 15. Seat harness

< REMOVAL AND INSTALLATION >

16.	Front outer slide cover	17.	Front inner slide cover	18.	Seat cushion front finisher	
19.	Seat cushion inner finisher outside	20.	Seat cushion inner finisher inside (left)	21.	Seat belt buckle	А
22.	Seat cushion trim	23.	Seat cushion pad	24.	Seat cushion frame	
25.	Seatback trim	26.	Seatback pad	27.	Seatback silencer	В
28.	Seatback frame	29.	Seat cushion assembly			

Refer to GI-4, "Components" for symbols in the figure.

PASSENGER'S MANUAL SEAT

CAUTION:

Never disassembly the component parts of only front passenger seat in the dotted lines shown in the figure below. (With occupant classification system control unit model)

Е

D

G

F

Н

SE

K

L

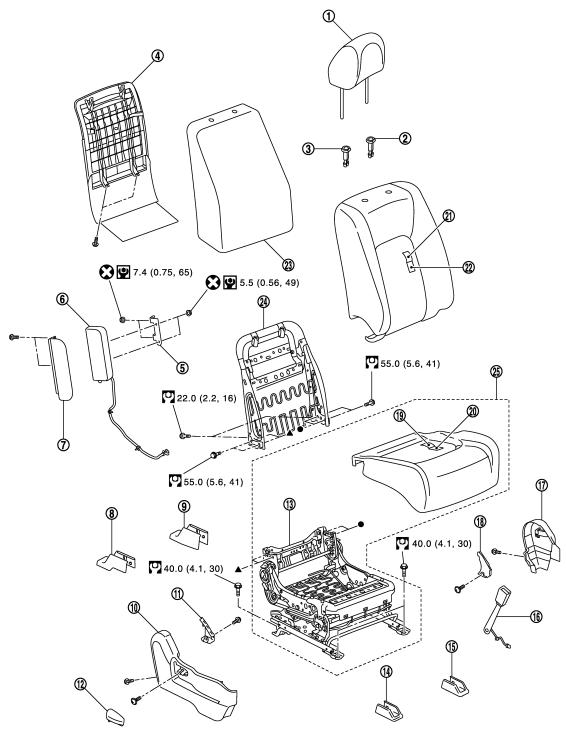
M

Ν

0

Р

SEC. 870



JMJIA1419GB

- 1. Headrest
- 4. Seatback board
- 7. Side air bag module cover
- 10. Seat cushion outer finisher outside
- 13. Seat cushion frame

- 2. Headrest holder (locked)
- 5. Side air bag module mounting brack- 6. et
- 8. Rear outer slide cover
- 11. Seat cushion outer finisher inside (right)
- 14. Front outer slide cover

- 3. Headrest holder (free)
 - Side air bag module
- 9. Rear inner slide cover
- 12. Reclining lever
- 15. Front inner slide cover

< REMOVAL AND INSTALLATION >

16.	Seat belt buckle	17.	Seat cushion inner finisher outside	18.	Seat cushion inner finisher inside (left)	А
19.	Seat cushion trim	20.	Seat cushion pad	21.	Seatback trim	
22.	Seatback pad	23.	Seatback silencer	24.	Seatback frame	
25.	Seat cushion assembly					В

_

Refer to GI-4, "Components" for symbols in the figure.

Removal and Installation

REMOVAL CAUTION:

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

- Remove the headrest.
- 2. Remove the front slide cover.
- Remove the mounting bolts on the front side of the front seat.
- 4. Remove the rear slide cover.
- Remove the mounting bolts on the rear side of the front seat.
- 6. Set seatback in a standing position.
- 7. Disconnect harness connector under the seat and remove harness securing clips.

CAUTION:

Before removal, turn ignition switch OFF, disconnect battery negative terminal and then wait for at least 3 minutes.

Remove seat from the vehicle.

CAUTION:

- When removing and installing, use shop cloths to protect parts from damage.
- When removing and installing, 2 workers are required so as to prevent it from dropping.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- Before installation, turn ignition switch OFF, disconnect battery negative terminal and then wait for at least 3 minutes.
- Clamp the harness in position.

NOTE:

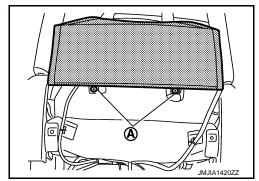
After installing the front seat, perform additional service when removing battery negative terminal.(With automatic drive positioner model) Refer to <u>ADP-8</u>, "<u>ADDITIONAL SERVICE WHEN REMOVING BATTERY NEGATIVE TERMINAL</u>: <u>Description</u>".

Disassembly and Assembly

SEATBACK

Disassembly

- Remove the seatback board.
 - Remove the seatback board band from seat cushion bottom side.
 - Remove the seatback board mounting screws (A).



SE

D

Е

F

Н

INFOID:0000000006259200

K

INFOID:0000000006259201

IV

Ν

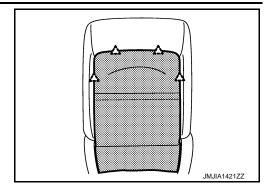
0

Р

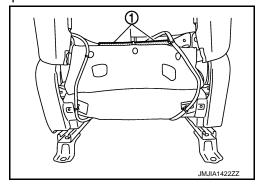
< REMOVAL AND INSTALLATION >

• Pull down the seatback board to release the pawls.

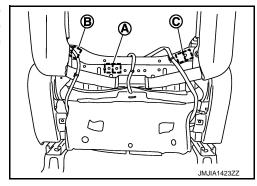




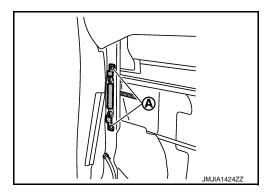
- 2. Disconnect the harness connectors and remove the harness clamps.
 - Remove the seatback trim retainer (1).



 Disconnect the seatback heater harness connector (A) (Heater seat only), lumbar support harness connector (B) (Driver's seat only) and reclining motor harness connector (C) (Power seat only).



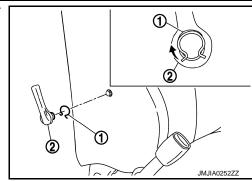
- 3. Remove the side air bag module.
 - Remove the seatback trim retainer.
 - Remove the side air bag module cover mounting screws (A).
 - Remove the side air bag module.



4. Remove the lumbar support lever knob. (Manual lumbar support seat only.)

< REMOVAL AND INSTALLATION >

Pull snap ring (1) upward, and remove lumbar support lever knob (2) from seatback frame with hook and pick tool.

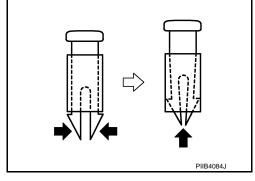


- Remove the seatback trim and seatback pad.
 - · Remove the headrest holder.

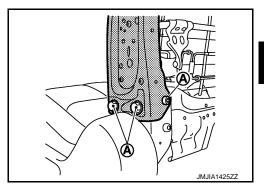
CAUTION:

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

- · Remove the seatback trim and seatback pad from the seatback frame.
- · Remove the hog rings, and separate the seatback trim and seatback pad.



- Remove the seatback silencer.
- 7. Remove the seatback frame. Remove the seatback frame mounting bolts (A).



Assembly

Assemble in the reverse order of disassembly.

CAUTION:

Install the hog rings of seatback trim in position, and then securely connect the trim or trim cord with the pad side wire.

SEAT CUSHION

Disassembly

CAUTION:

Never disassemble front passenger seat cushion assembly.

Always replace as an assembly.

For front passenger seat service parts, refer to the service part catalogue.

1. Remove the seatback board. SE

Н

Α

В

D

Е

K

M

L

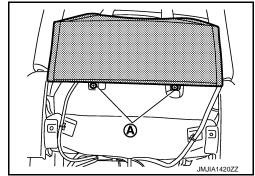
Ν

Р

SE-99 Revision: 2011 November **2011 MURANO**

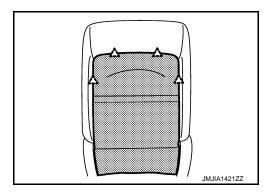
< REMOVAL AND INSTALLATION >

- Remove the seatback board fixing band on the bottom of seat cushion.
- Remove the seatback board mounting screws (A).

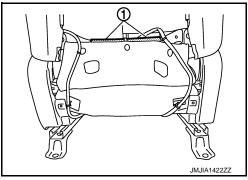


Pull down the seatback board to release the pawls.

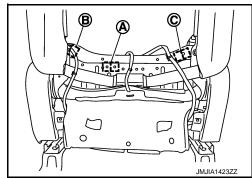




- 2. Disconnect the harness connectors and remove the harness clamps.
 - Remove the seatback trim retainer (1).

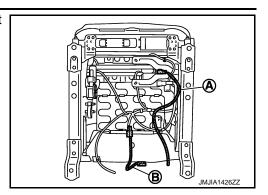


 Remove the seatback heater harness connector (A), lumbar support harness connector (B) (Driver's power seat only) and reclining motor harness connector (C).

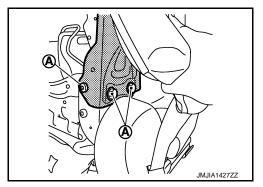


< REMOVAL AND INSTALLATION >

· Remove the side air bag module harness (A) and disconnect the seat cushion heater harness connector (B).

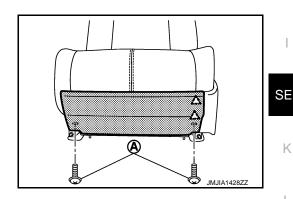


- Remove the seatback assembly.
 - Remove the seatback mounting bolts (A), and then remove the seatback assembly.



- 4. Remove the seat cushion front finisher. (Power seat only)
 - Remove the seat cushion front finisher mounting screws (A).
 - Remove the seat cushion front finisher mounting pawl.

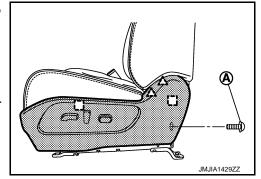




- 5. Remove the seat cushion outer finisher outside.
- a. Power seat
 - Remove the seat control switch knob and reclining switch knob and lumbar support switch.
 - Remove the seat cushion outer finisher mounting screw (A), metal clips and pawls.



· Disconnect the seat control switch, reclining switch and lumbar support switch harness connectors (Driver's seat only).



b. Manual seat

SE-101 Revision: 2011 November **2011 MURANO**

Α

В

D

Е

Н

K

L

M

Ν

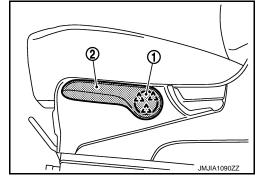
Ρ

< REMOVAL AND INSTALLATION >

• Remove the pawls, and then lifter lever knob finisher (1). (Driver's manual seat only)

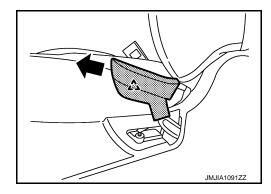


• Remove the mounting screws, and remove the lifter lever (2). (Driver's manual seat only)



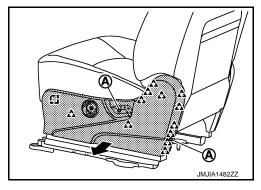
• Pull out the reclining lever while holding and raising the pawl.



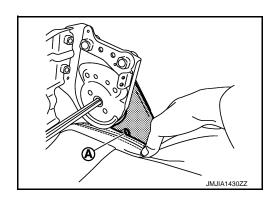


- Remove the mounting screws (A).
- Remove the metal clip and pawls, and then pull out seat cushion outer finisher outside.



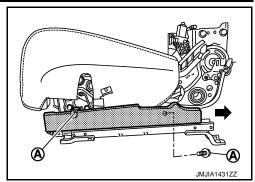


- 6. Remove the seat cushion outer finisher inside (left).
 - Remove the mounting screw (A).



< REMOVAL AND INSTALLATION >

7. Remove the seat slide outer cover (Driver's seat only) mounting screws (A), and then slide to backward.



Α

В

D

Е

F

Н

SE

K

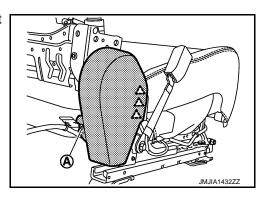
M

Ν

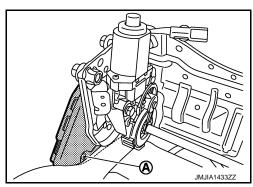
Р

8. Remove the mounting screw (A) and pawls, and then pull out seat cushion inner finisher outer.

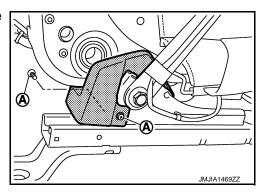




9. Remove the mounting screw (A), and then pull out seat cushion inner finisher inside (right).



10. Remove the mounting screws (A), and then pull out seat slide inner cover. (Driver's seat only)



- Remove the seat cushion trim and seat cushion pad. (Without occupant classification system control unit model)
 - Remove the seat cushion trim retainer.
 - Remove the seat cushion trim and seat cushion pad from the seat cushion frame.
 - Remove the hog rings, and separate the seat cushion trim and seat cushion pad.
- 12. Remove the seat belt buckle. SB-9, "SEAT BELT BUCKLE: Exploded View"
- 13. Remove the driver seat control unit. ADP-201, "Exploded View"

Assembly

Assemble in the reverse order of disassembly.

Revision: 2011 November SE-103 2011 MURANO

< REMOVAL AND INSTALLATION >

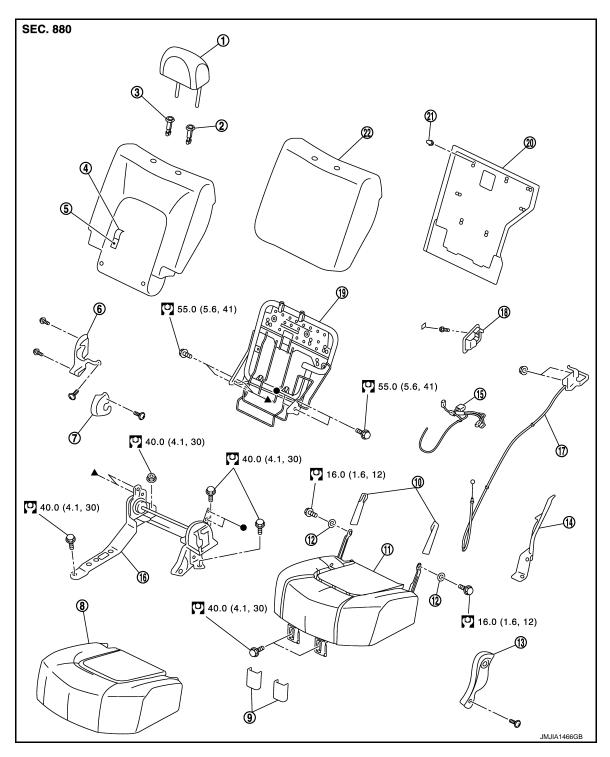
CAUTION:

Install the hog rings of seat cushion trim in position, and then securely connect the trim or trim cord with the pad side wire.

REAR SEAT

Exploded View

REAR SEAT (LH SIDE)



- 1. Headrest (LH)
- 4. Seatback trim
- 7. Reclining device inner cover (inside) 8.
- 10. Seat cushion link cover
- 13. Reclining device outer cover
- 2. Headrest holder (locked)
- 5. Seatback pad
- 8. Seat cushion trim
- 11. Seat cushion pad and frame
- 14. Reclining cover

- 3. Headrest holder (free)
- 6. Reclining device inner cover (outside)
- 9. Seat cushion hinge cover
- 12. Seat cushion link bush
- 15. Rear seat harness (LH)

SE

Α

В

D

Е

F

Н

K

M

Ν

0

Р

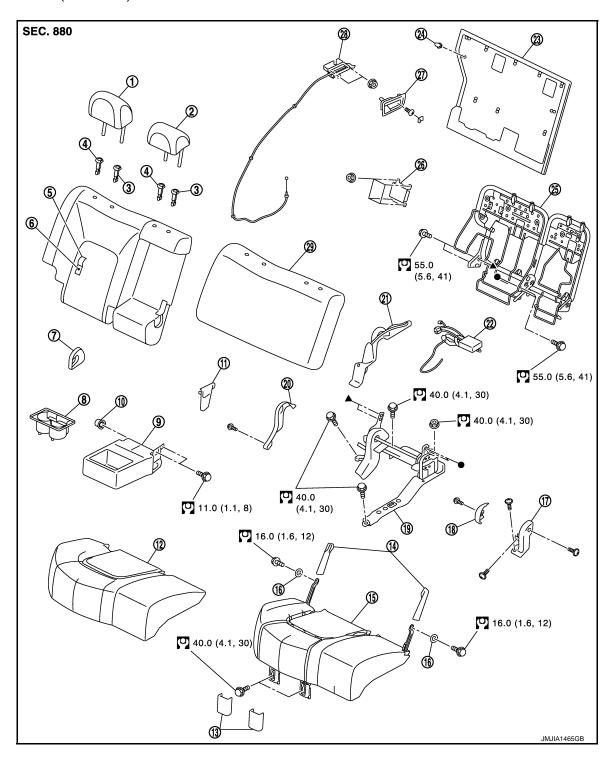
. .

Revision: 2011 November SE-105 2011 MURANO

- 16. Reclining device assembly
- 19. Seatback frame
- 22. Seatback silencer
- Refer to GI-4, "Components" for symbols in the figure.
- 17. Seatback control cable
- 20. Seatback board

- 18. Seatback control lever escutcheon
- 21. Seatback board clip

REAR SEAT (RH SIDE)



- Headrest (RH) 1.
- Headrest holder (free)
- Armrest inner cover 7.
- 10. Armrest bush
- 13. Seat cushion hinge cover
- 2. Headrest (center)
- 5. Seatback trim
- Cup holder 8.
- 11. Armrest outer cover
- 14. Seat cushion link cover
- 3. Headrest holder (locked)
- 6. Seatback pad
- 9. Armrest
- Seat cushion trim 12.
- 15. Seat cushion pad and frame

REAR SEAT

< REMOVAL AND INSTALLATION >

- 16. Seat cushion link bush 17. Reclining device inner cover (out-18. Reclining device inner cover (inside) side)
- 19. Reclining device assembly 20. Reclining device outer cover 21. Reclining cover 22. 23. Rear seat harness (RH) Seatback board 24. Seatback board clip
- 25. Seatback frame Dynamic dumper 27. Seatback control lever escutcheon 28. Seatback control cable Seatback silencer

Refer to GI-4, "Components" for symbols in the figure.

Removal and Installation

INFOID:0000000006259203

Α

В

D

Е

F

SE

M

Ν

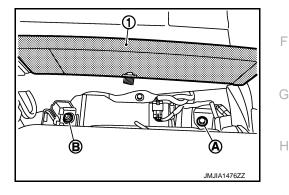
Р

REMOVAL

CAUTION:

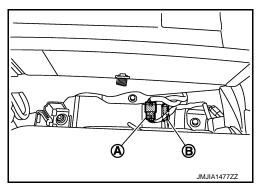
When removing and installing, use shop cloths to protect parts from damage.

- Remove the seat mounting bolts and nuts.
 - Pull up the luggage floor finisher front (1).
 - Remove the seat mounting bolt (A) and nut (B).

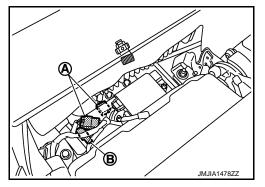


2. Disconnect the rear seat harness connector (A) and heater unit harness connector (B). (Power return seat and heater seat model only)

LH side a.



RH side



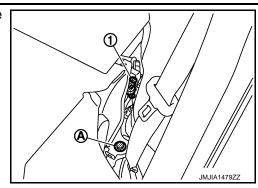
Remove the reclining cover.

SE-107 Revision: 2011 November **2011 MURANO**

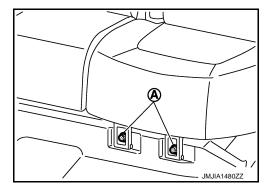
REAR SEAT

< REMOVAL AND INSTALLATION >

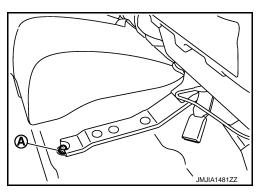
4. Remove the seatback control cable (1) from reclining device assembly and seat mounting bolt (A).



- 5. Remove the seat cushion hinge cover.
- 6. Remove the rear seat mounting bolts (A).



7. Pull up the seat cushion and remove the seat mounting bolt (A).



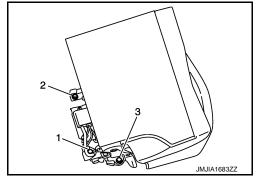
8. Remove the rear seat assembly from back door.

INSTALLATION

NOTE:

Tighten rear seat mouniting bolts and nuts following the numerical order shown in the figure.

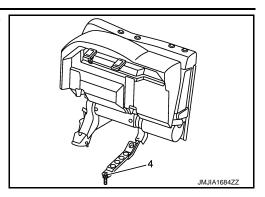
- 1. Install the rear seat mounting bolt on behind the seatback (out side) and nut on behind the seatback (inside).
- 2. Install the rear seat mounting bolt on the seat cushion out side.



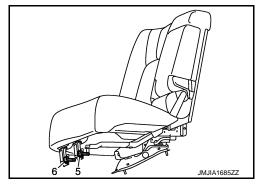
Connect the rear seat harness connector and heater harness connector. (Power return seat and heater seat only)

< REMOVAL AND INSTALLATION >

Install the rear seat mounting bolt on the reclining device extension bracket.



Install the rear seat mounting bolt and on the seat cushion hinge.



- 6. Connect the seatback control cable.
- 7. Install the seat cushion hinge cover.
- 8. Install the reclining cover.

CAUTION:

- When removing and installing, use shop cloths to protect parts from damage.
- When removing and installing, 2 workers are required so as to prevent it from dropping.
- Before installation, check that the rear seat harness and seatback control cable is not pressed by seat frame.

Disassembly and Assembly

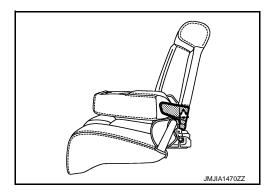
INFOID:0000000006259204

SEATBACK

Disassembly

- 1. Remove the armrest. (RH seat only)
 - Remove the armrest outer cover.





Α

В

D

Е

F

O

Н

SE

Κ

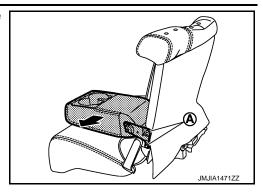
M

Ν

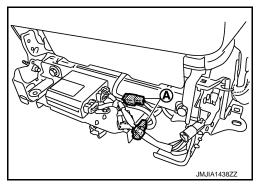
0

< REMOVAL AND INSTALLATION >

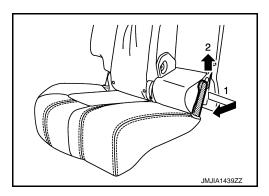
• Remove the armrest mounting bolts (A), and then slide the armrest to toward the arrow direction.



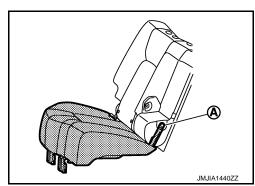
- 2. Separate the seatback assembly and seat cushion assembly.
 - Disconnect the seat cushion heater unit harness connectors (A) and remove the harness clamps. (with heater seat model only)



· Remove the seat cushion link cover.

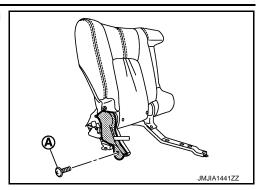


• Remove the mounting bolt (A), and then separate the seat-back assembly and seat cushion assembly.

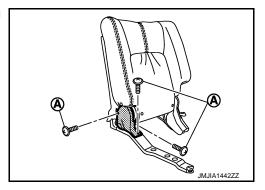


< REMOVAL AND INSTALLATION >

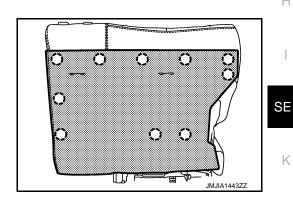
Remove the mounting screw (A), and then remove the reclining device outer cover.



4. Remove the mounting screws (A), and then remove the reclining device inner cover (outside). (LH seat)



- 5. Remove the seatback trim and pad.
 - Remove the clips, and then pull out the seatback board.
 - () : Clip

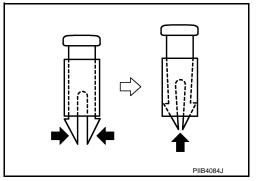


- Remove the seatback trim fixing hog rings and retainer.
- · Remove the headrest holder.

CAUTION:

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

- Remove the seatback trim and pad from seatback frame.
- · Remove the hog rings to separate the seatback trim and seatback pad.



6. Remove the seatback silencer.

SE-111 Revision: 2011 November **2011 MURANO** Α

В

D

Е

Н

K

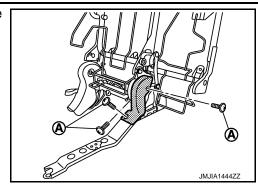
L

M

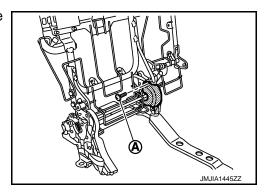
Ν

0

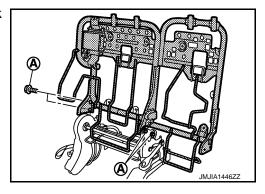
7. Remove the screws (A), and then remove the reclining device inner cover (outside). (RH seat)



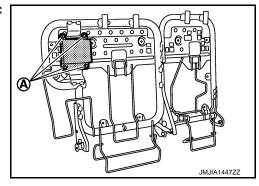
8. Remove the screw (A), and then remove the reclining device inner cover (inside).



9. Remove the mounting bolts (A), and then remove the seatback frame from reclining device assembly.



10. Remove the mounting nuts (A), and then remove the dynamic dumper. (With top road sunroof model only)



Assembly

Assemble in the reverse order of disassembly.

CAUTION:

Install the hog rings of seatback trim in position, and then securely connect the trim or trim cord with the seatback frame.

SEAT CUSHION

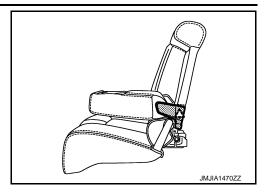
Disassembly

1. Remove the armrest. (RH seat only)

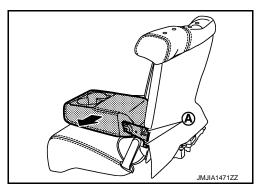
< REMOVAL AND INSTALLATION >

• Remove the pawl, and then pull out armrest outer cover.

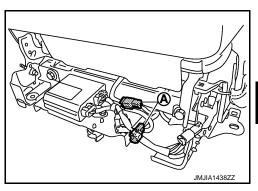




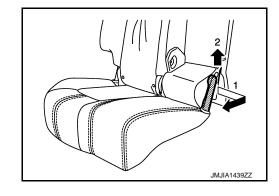
• Remove the mounting bolts (A), and then slide the armrest to outside.



- 2. Separate the seatback assembly and seat cushion assembly.
 - Disconnect the seat cushion heater unit harness connectors (A) and remove the harness clamps. (with heater seat model only)



• Remove the seat cushion link cover.



Α

В

C

D

Е

F

G

Н

SE

K

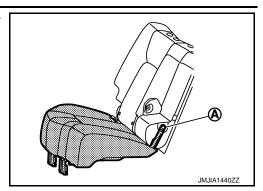
M

Ν

0

< REMOVAL AND INSTALLATION >

• Remove the mounting bolt (A), and then separate the seat-back assembly and seat cushion assembly.



Remove the seat cushion trim.
 Remove the seat cushion trim fixing retainers and hog rings, and then remove the seat cushion trim from seat cushion pad and frame.

Assembly

Assemble in the reverse order of disassembly.

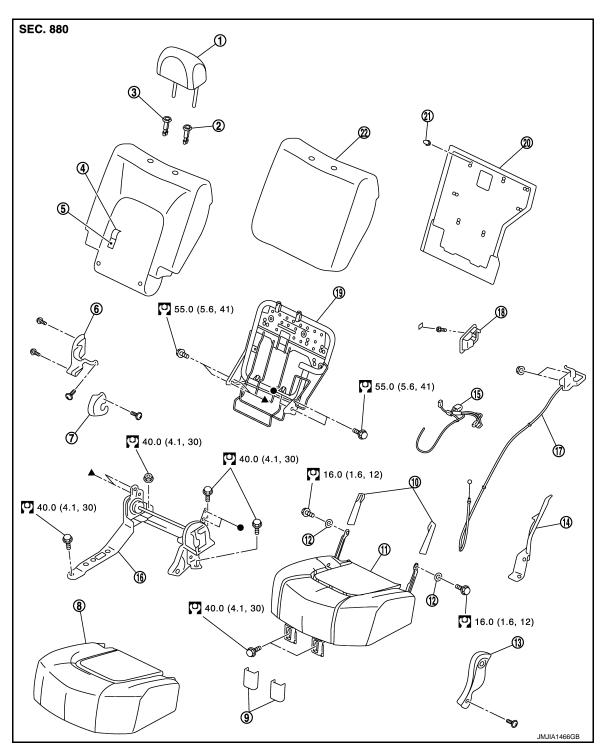
CAUTION:

Install the hog rings of seat cushion trim in position, and then securely connect the trim or trim cord with the seat cushion pad wire.

SEATBACK CONTROL CABLE

Exploded View

REAR SEAT (LH SIDE)



- 1. Headrest (LH)
- 4. Seatback trim
- 7. Reclining device inner cover (inside) 8.
- 10. Seat cushion link cover
- 13. Reclining device outer cover
- 2. Headrest holder (locked)
- 5. Seatback pad
- 8. Seat cushion trim
- 11. Seat cushion pad and frame
- 14. Reclining cover

- 3. Headrest holder (free)
- Reclining device inner cover (outside)
- 9. Seat cushion hinge cover
- 12. Seat cushion link bush
- 15. Rear seat harness (LH)

SE

Α

В

D

Е

F

Н

K

M

Ν

0

SEATBACK CONTROL CABLE

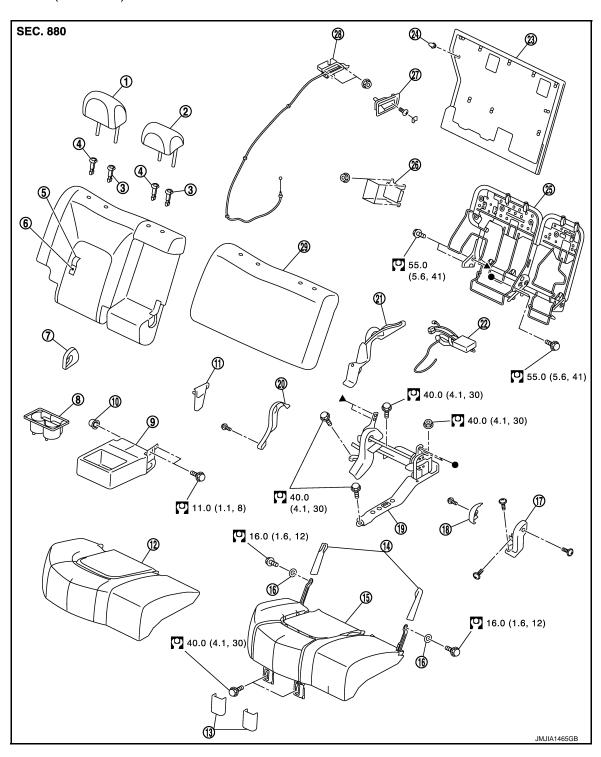
< REMOVAL AND INSTALLATION >

- 16. Reclining device assembly
- 19. Seatback frame
- 17. Seatback control cable20. Seatback board
- 18. Seatback control lever escutcheon
- 21. Seatback board clip

22. Seatback silencer

Refer to GI-4, "Components" for symbols in the figure.

REAR SEAT (RH SIDE)



- 1. Headrest (RH)
- 4. Headrest holder (free)
- 7. Armrest inner cover
- 10. Armrest bush
- 13. Seat cushion hinge cover
- 2. Headrest (center)
- 5. Seatback trim
- 8. Cup holder
- 11. Armrest outer cover
- 14. Seat cushion link cover
- 3. Headrest holder (locked)
- Seatback pad
- 9. Armrest
- 12. Seat cushion trim
- 15. Seat cushion pad and frame

Revision: 2011 November SE-116 2011 MURANO

SEATBACK CONTROL CABLE

< REMOVAL AND INSTALLATION >

16.	Seat cushion link bush	17.	Reclining device inner cover (outside)	18.	Reclining device inner cover (inside)
19.	Reclining device assembly	20.	Reclining device outer cover	21.	Reclining cover
22.	Rear seat harness (RH)	23.	Seatback board	24.	Seatback board clip
25.	Seatback frame	26.	Dynamic dumper	27.	Seatback control lever escutcheon
28.	Seatback control cable	29.	Seatback silencer		
Refer to GI-4, "Components" for symbols in the figure.					

Removal and Installation

INFOID:0000000006259206

Α

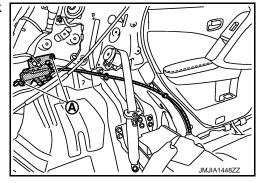
В

D

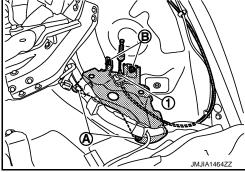
Е

REMOVAL

- 1. Remove the seatback control lever escutcheon.
- 2. Remove the luggage side lower finisher. Refer to INT-35, "Removal and Installation".
- 3. Remove the rear seat assembly. Refer to SE-107, "Removal and Installation"
- 4. Remove the mounting nuts (A), and then remove the seatback control lever.



- 5. Remove the rear seat mount bracket.
 - Remove the seat mount bracket mounting bolts (A) and nuts
 - Remove the seatback control cable bush (1).
 - Remove the seatback control cable from the vehicle.



INSTALLATION

Install in the reverse order of removal.

SE

Ν

M

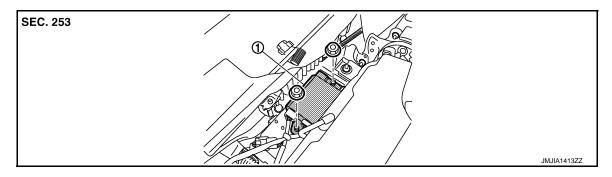
SE-117 Revision: 2011 November **2011 MURANO**

REAR SEAT BACK POWER RETURN CONTROL UNIT

< REMOVAL AND INSTALLATION >

REAR SEAT BACK POWER RETURN CONTROL UNIT

Exploded View



1. Rear seatback power return control unit

Removal and Installation

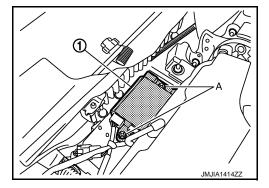
INFOID:0000000006259208

REMOVAL

CAUTION:

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

- 1. Remove mounting nuts (A).
- 2. Remove rear seatback power return control unit (1).



INSTALLATION

Install in the reverse order of removal.

CAUTION:

Be sure to clump the harness to the right place.

POWER SEAT SWITCH

< REMOVAL AND INSTALLATION >

POWER SEAT SWITCH

Exploded View

Refer to SE-90, "Exploded View".

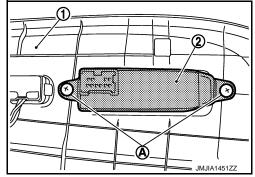
Removal and Installation

REMOVAL

CAUTION:

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

- 1. Remove the seat cushion outer finisher (1). Refer to <u>SE-97</u>, "Removal and Installation".
- 2. Remove screws (A).
- 3. Remove the power seat switch (2) from the seat cushion outer finisher.



INSTALLATION

Install in the reverse order of removal.

CAUTION:

Be sure to clump the harness to the right place.

SE

Α

В

D

Е

F

Н

Κ

L

M

Ν

0

LUMBAR SUPPORT SWITCH

< REMOVAL AND INSTALLATION >

LUMBAR SUPPORT SWITCH

Exploded View

Refer to SE-90, "Exploded View".

Removal and Installation

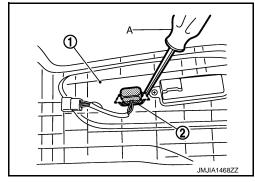
REMOVAL

CAUTION:

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

- 1. Remove the seat cushion outer finisher (1). Refer to SE-97, "Removal and Installation".
- 2. Remove the lumbar support switch (2) from the seat cushion outer finisher. With flat bladed screw driver (A).





INSTALLATION

Install in the reverse order of removal.

CAUTION:

Be sure to clump the harness to the right place.

HEATED SEAT SWITCH

FRONT SEAT

FRONT SEAT: Exploded View

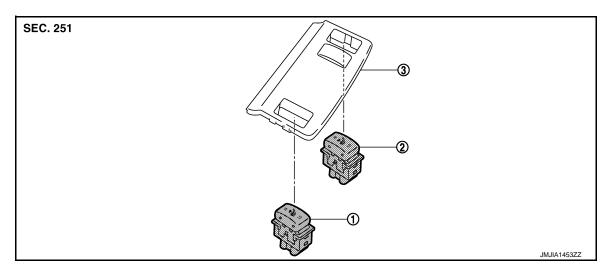
INFOID:0000000006259213

Α

В

D

Е



Front heated seat switch (driver side)

Front heated seat switch (passenger 3. Console switch finisher side)

FRONT SEAT: Removal and Installation

INFOID:0000000006259214

REMOVAL

CAUTION:

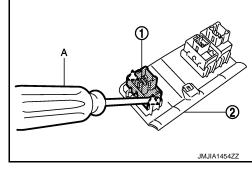
When removing and installing, use shop cloths to protect from damage.

- 1. Remove the console switch finisher (1). Refer to IP-20, "Exploded View"
- 2. Remove front heated seat switch (driver side) (2) from console switch finisher. With flat bladed screw driver (A).



NOTE:

The same procedure is also performed for passenger side.



INSTALLATION

Install in the reverse order of removal.

REAR SEAT

Revision: 2011 November SE-121 2011 MURANO

SE

Н

r\

_

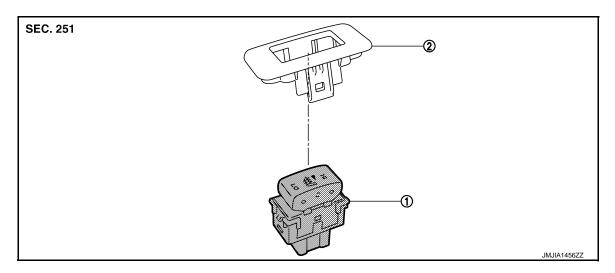
M

Ν

0

REAR SEAT: Exploded View

INFOID:0000000006259215



- 1. Rear heated seat switch
- 2. Heated seat switch finisher

REAR SEAT: Removal and Installation

INFOID:0000000006259216

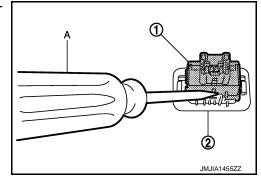
REMOVAL

CAUTION:

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

- 1. Remove the heated seat switch finisher (2). Refer to INT-16, "REAR DOOR FINISHER: Exploded View"
- 2. Remove rear heated seat switch (1) from heated seat switch finisher. With flat bladed screw driver (A).





INSTALLATION

Install in the reverse order of removal.

FRONT POWER RETURN SWITCH

< REMOVAL AND INSTALLATION >

FRONT POWER RETURN SWITCH

Exploded View

Refer to IP-12, "Exploded View".

Removal and Installation

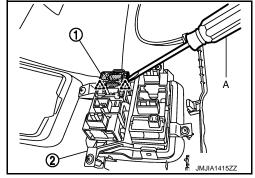
REMOVAL

CAUTION:

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

- 1. Remove the instrument lower panel (LH) (1). Refer to IP-13, "Removal and Installation"
- 2. Remove front power return switch (1) from switch bracket. With flat bladed screw driver (A).





INSTALLATION

Install in the reverse order of removal.

SE

Α

В

C

D

Е

F

Н

Κ

L

M

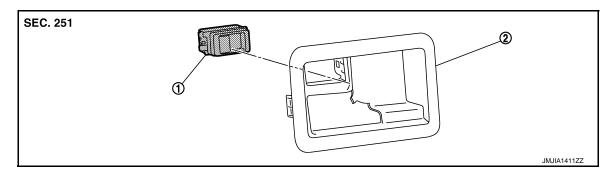
Ν

0

REAR POWER RETURN SWITCH

REAR POWER RETURN SWITCH

Exploded View



- 1. Rear power return switch
- 2. Seatback control lever escutcheon

Removal and Installation

INFOID:0000000006259220

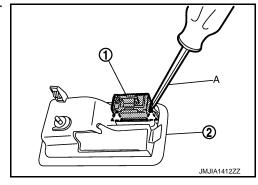
REMOVAL

CAUTION:

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

- 1. Remove the seatback control lever escutcheon.
- 2. Remove rear power return switch (1) from seatback control lever escutcheon. With flat bladed screw driver (A).





INSTALLATION

Install in the reverse order of removal.