SECTION SE
SEAT

CONTENTS

REGULAR GRADE

Nismo 370Z

SYSTEM DESCRIPTION

POWER SEAT

System Description

INFOID:0000000004655619

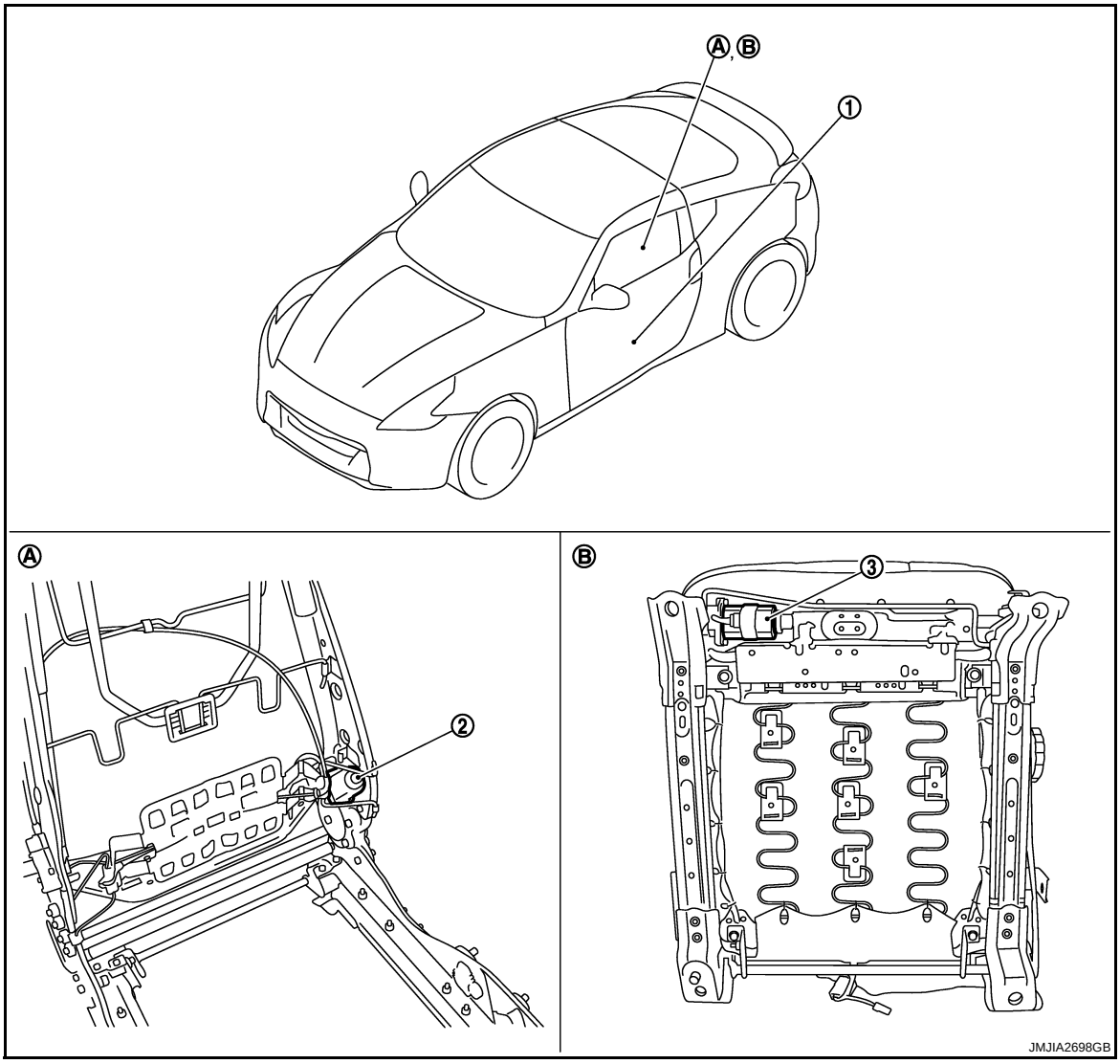
BCM can operate regardless of the ignition switch position, because battery power is supplied at all times to power seat switch.

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.

Component Parts Location

INFOID:0000000004655620



1. Power seat switch (driver side) B503 (reclining switch,sliding switch)
2. Reclining motor B504
3. Sliding motor B502
A. View with the seat cushion pad and seat back pad removed
B. Backside of the seat cushion

Component Description

INFOID:0000000004655621

Item	Function
BCM	Supplies at all times the power received from battery to power seat switch.
Power seat switch	Built-in reclining switch, sliding switch controls the power supplied to each motor.
Reclining motor	With the power supplied to power seat switch, operates the forward and backward movement of seatback.
Sliding motor	With the power supplied to power seat switch, operates the forward and backward slide of seat.

HEATED SEAT

System Description

INFOID:0000000004655622

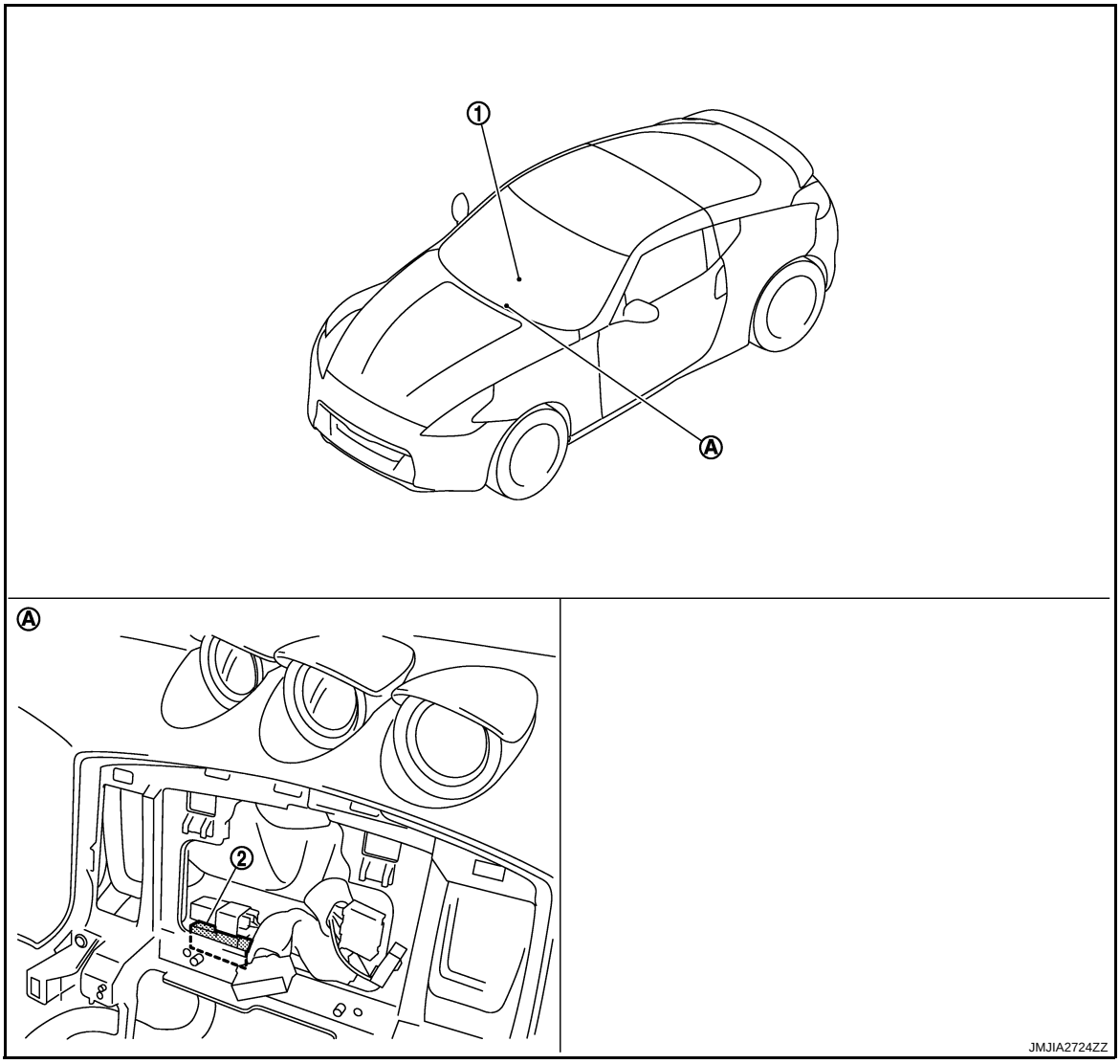
Heated seat is a system that operates when ignition switch is in ON position.

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:0000000004655623



1. Heated seat switch
   - driver side M138
   - passenger side M140
2. Heated seat relay M70

A. Behind display

Component Description

INFOID:0000000004655624

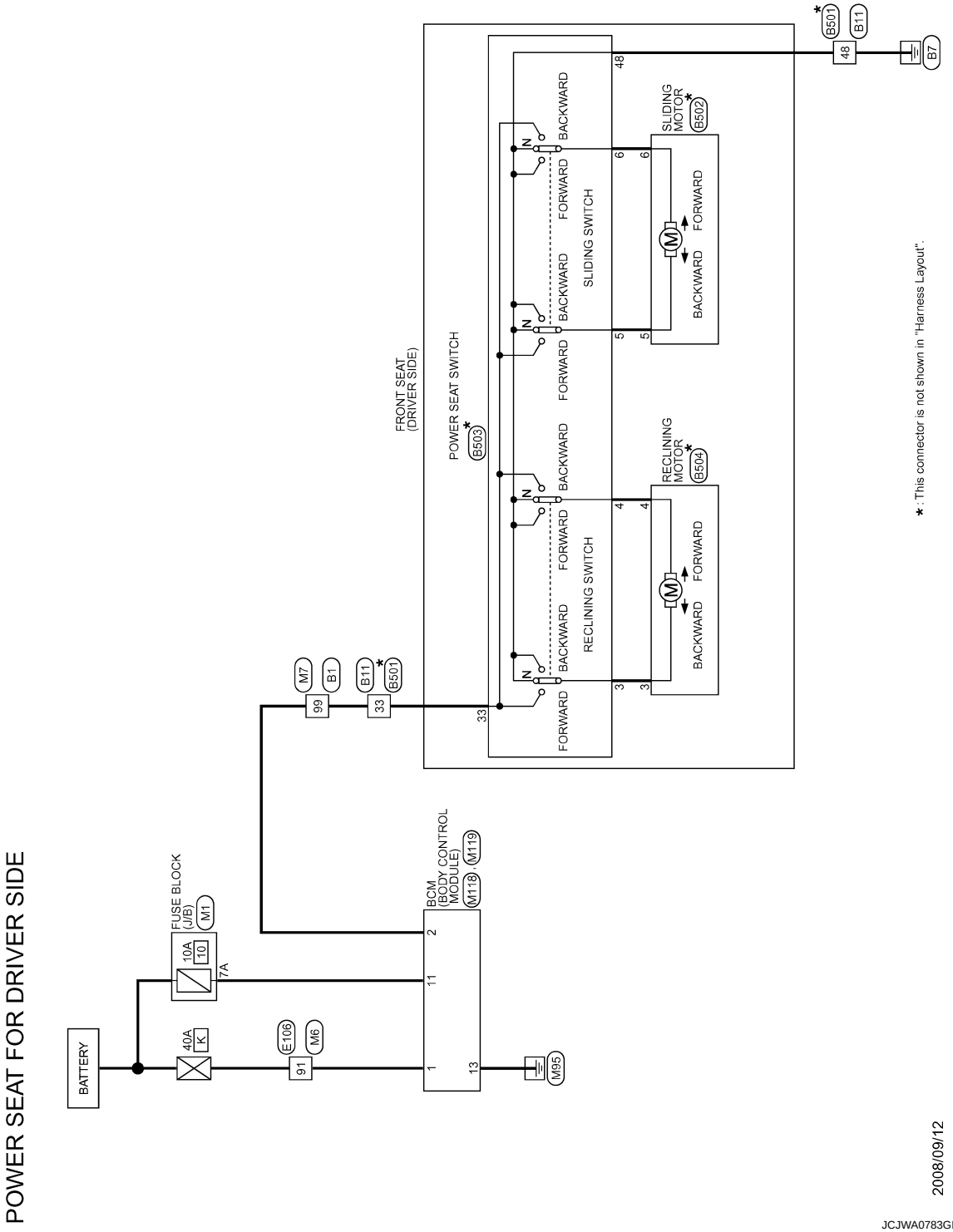
Item	Function
Heated seat switch	• Power is supplied to each heater. • Depending on LOW/HIGH position of switch, operating heater number is changeable.
Seat cushion heater	Built-in seat cushion, the heater operates with the power supplied by heater seat switch.
Seat back heater	Built-in seatback, the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

DTC/CIRCUIT DIAGNOSIS

POWER SEAT

Wiring Diagram - POWER SEAT FOR DRIVER SIDE -

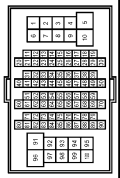
INFOID:0000000004655625



POWER SEAT FOR DRIVER SIDE

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.



Terminal No.	Color of Wire	Signal Name [Specification]
99	LG	–

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	M04FW-LC

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
33	LG	–
48	B	–

Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	M04MW-LC

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
33	R	–
48	B	–

Connector No.	B502
Connector Name	SLIDING MOTOR (DRIVER SIDE)
Connector Type	M02FW-LC

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
5	Y	–
6	SB	–

Connector No.	B503
Connector Name	POWER SEAT SWITCH (DRIVER SIDE)
Connector Type	M06MW-LC

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
3	O	–
4	G	–
5	Y	–
6	SB	–
33	R	–
48	B	–

Connector No.	B504
Connector Name	RECLINING MOTOR (DRIVER SIDE)
Connector Type	S02FW

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
3	O	–
4	G	–

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
91	W	–

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2

H.S.

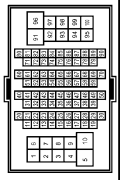
Terminal No.	Color of Wire	Signal Name [Specification]
7A	BR	–

JCJWA0784GB

POWER SEAT FOR DRIVER SIDE

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

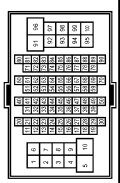
H.S.



Terminal No.	Color of Wire	Signal Name [Specification]
91	W	–

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

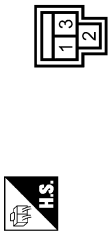
H.S.



Terminal No.	Color of Wire	Signal Name [Specification]
99	W	–

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC

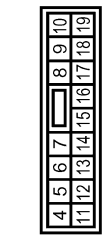
H.S.



Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY(BAT)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS

H.S.

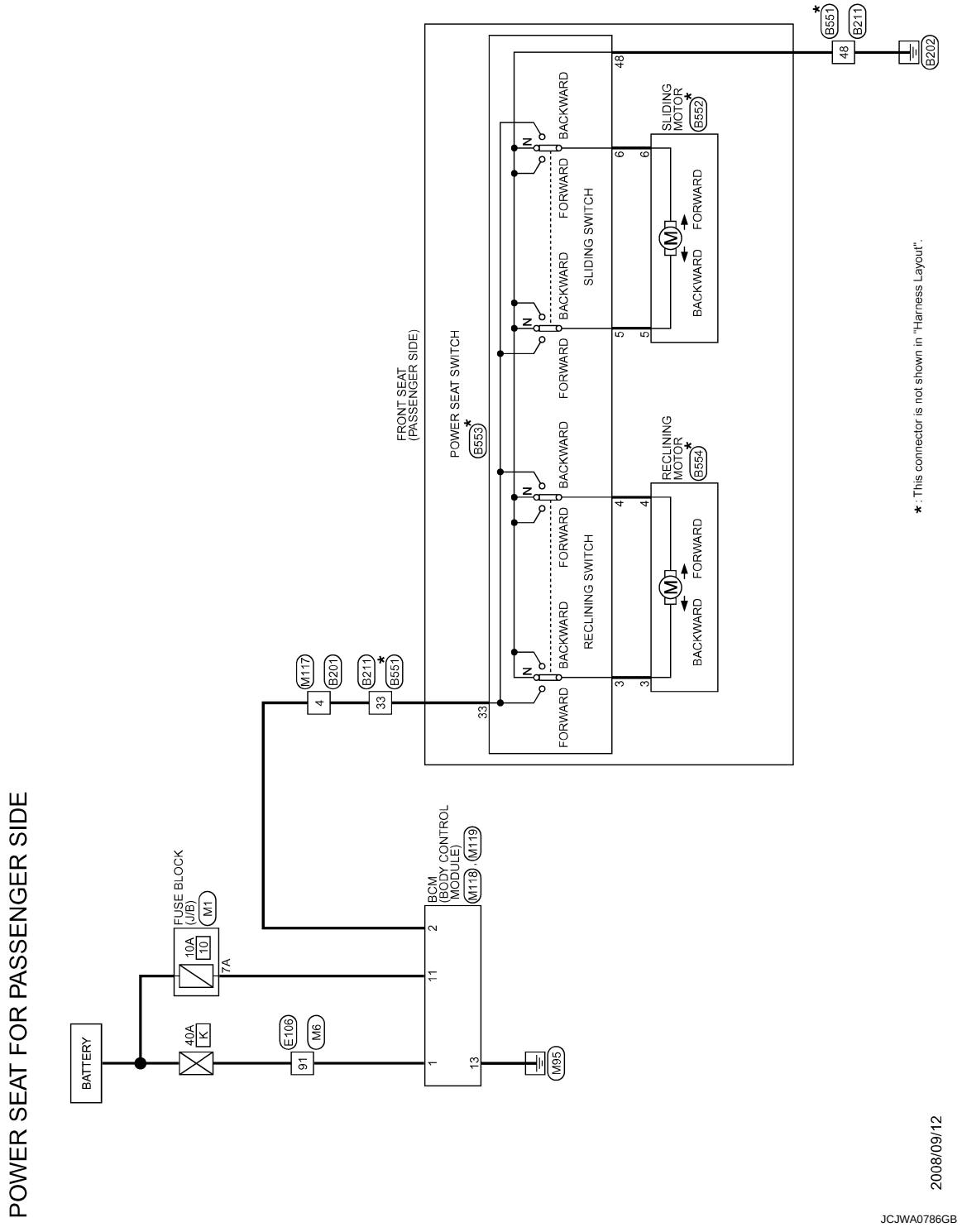


Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	BAT (FUSE)
13	B	GND

JCJWA0785GB

Wiring Diagram - POWER SEAT FOR PASSENGER SIDE -

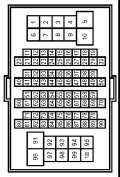
INFOID:0000000004749355



POWER SEAT FOR PASSENGER SIDE

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.



Terminal No.	Color of Wire	Signal Name [Specification]
4	G	–

Connector No.	B211
Connector Name	WIRE TO WIRE
Connector Type	M04FW-LC

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
33	G	–
48	B	–

Connector No.	B551
Connector Name	WIRE TO WIRE
Connector Type	M04MW-LC

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
33	R	–
48	B	–

Connector No.	B552
Connector Name	SLIDING MOTOR (PASSENGER SIDE)
Connector Type	M02FW-LC

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
5	Y	–
6	SB	–

Connector No.	B553
Connector Name	POWER SEAT SWITCH (PASSENGER SIDE)
Connector Type	M06MW-LC

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
3	O	–
4	G	–
5	Y	–
6	SB	–
33	R	–
48	B	–

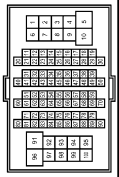
Connector No.	B554
Connector Name	RECLINING MOTOR (PASSENGER SIDE)
Connector Type	S02FW

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
3	O	–
4	G	–

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

H.S.



Terminal No.	Color of Wire	Signal Name [Specification]
91	W	–

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2

H.S.

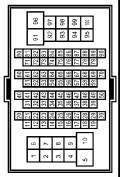
Terminal No.	Color of Wire	Signal Name [Specification]
7A	BR	–

JCJWA0787GB

POWER SEAT FOR PASSENGER SIDE

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

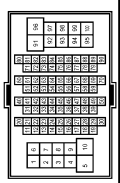
H.S.



Terminal No.	Color of Wire	Signal Name [Specification]
91	W	–

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

H.S.



Terminal No.	Color of Wire	Signal Name [Specification]
4	W	–

Connector No.	M118
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	M03FB-LC

H.S.

Terminal No.	Color of Wire	Signal Name [Specification]
1	W	BAT (F/L)
2	W	POWER WINDOW POWER SUPPLY(BAT)

Connector No.	M119
Connector Name	BCM (BODY CONTROL MODULE)
Connector Type	NS16FW-CS

H.S.

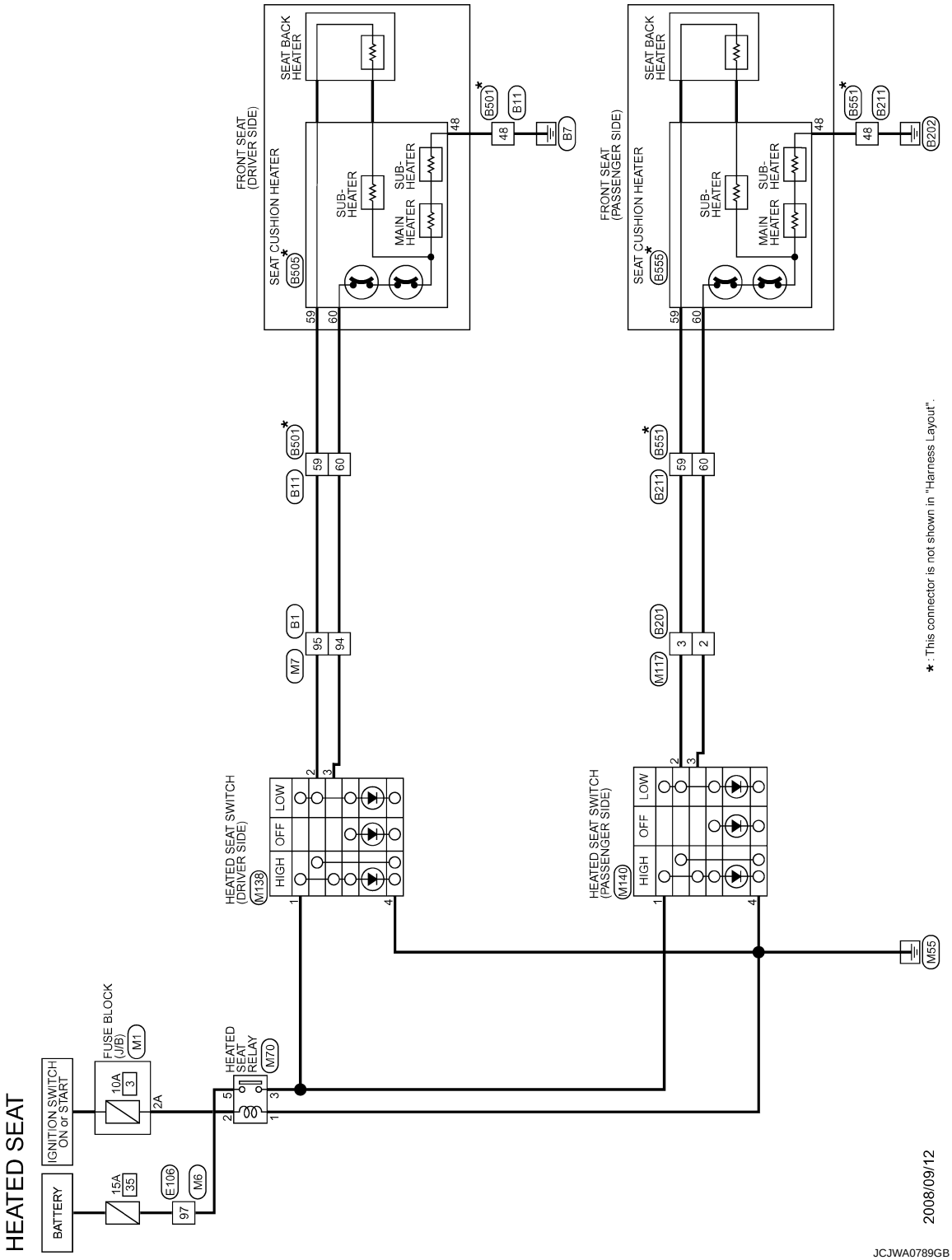
Terminal No.	Color of Wire	Signal Name [Specification]
11	BR	BAT (FUSE)
13	B	GND

JCJWA0788GB

HEATED SEAT

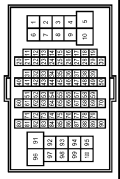
Wiring Diagram - HEATED SEAT -

INFOID:0000000004655627



HEATED SEAT

Connector No.	B1
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

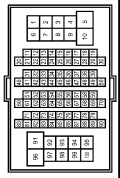


Terminal No.	Color of Wire	Signal Name [Specification]
94	L	–
95	GR	–

Connector No.	B11
Connector Name	WIRE TO WIRE
Connector Type	M04FW-LC

Terminal No.	Color of Wire	Signal Name [Specification]
48	B	–
59	GR	–
60	L	–

Connector No.	B201
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
2	BR	–
3	Y	–

Connector No.	B211
Connector Name	WIRE TO WIRE
Connector Type	M04FW-LC

Terminal No.	Color of Wire	Signal Name [Specification]
48	B	–
59	Y	–
60	BR	–

Connector No.	B501
Connector Name	WIRE TO WIRE
Connector Type	M04MW-LC

Terminal No.	Color of Wire	Signal Name [Specification]
48	B	–
59	L	–
60	W	–

Connector No.	B505
Connector Name	SEAT CUSHION HEATER (DRIVER SIDE)
Connector Type	M03FW-LC

Terminal No.	Color of Wire	Signal Name [Specification]
48	B	–
59	L	–
60	W	–

Connector No.	B551
Connector Name	WIRE TO WIRE
Connector Type	M04MW-LC

Terminal No.	Color of Wire	Signal Name [Specification]
48	B	–
59	L	–
60	W	–

Connector No.	B555
Connector Name	SEAT CUSHION HEATER (PASSENGER SIDE)
Connector Type	M03FW-LC

Terminal No.	Color of Wire	Signal Name [Specification]
48	B	–
59	L	–
60	W	–

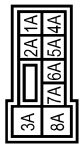
JCJWA0790GB

HEATED SEAT

Connector No.	E106
Connector Name	WIRE TO WIRE
Connector Type	TH80FW-CS16-TM4

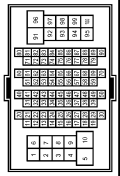
Terminal No.	Color of Wire	Signal Name [Specification]
97	BR	–

Connector No.	M1
Connector Name	FUSE BLOCK (J/B)
Connector Type	NS06FW-M2



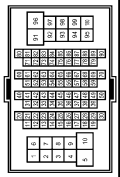
Terminal No.	Color of Wire	Signal Name [Specification]
2A	G	–

Connector No.	M6
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



Terminal No.	Color of Wire	Signal Name [Specification]
97	GR	–

Connector No.	M7
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4

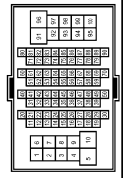


Terminal No.	Color of Wire	Signal Name [Specification]
94	SB	–
95	GR	–

Connector No.	M70
Connector Name	HEATED SEAT RELAY
Connector Type	MS02FL-MZ-LC

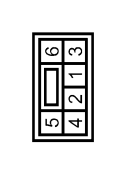
Terminal No.	Color of Wire	Signal Name [Specification]
1	B	–
2	G	–
3	G	–
5	GR	–

Connector No.	M117
Connector Name	WIRE TO WIRE
Connector Type	TH80MW-CS16-TM4



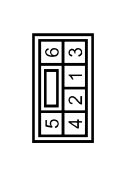
Terminal No.	Color of Wire	Signal Name [Specification]
2	GR	–
3	O	–

Connector No.	M138
Connector Name	HEATED SEAT SWITCH (DRIVER SIDE)
Connector Type	NS06FW-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	–
2	GR	–
3	SB	–
4	B	–

Connector No.	M140
Connector Name	HEATED SEAT SWITCH (PASSENGER SIDE)
Connector Type	NS06FBR-CS



Terminal No.	Color of Wire	Signal Name [Specification]
1	G	–
2	O	–
3	GR	–
4	B	–

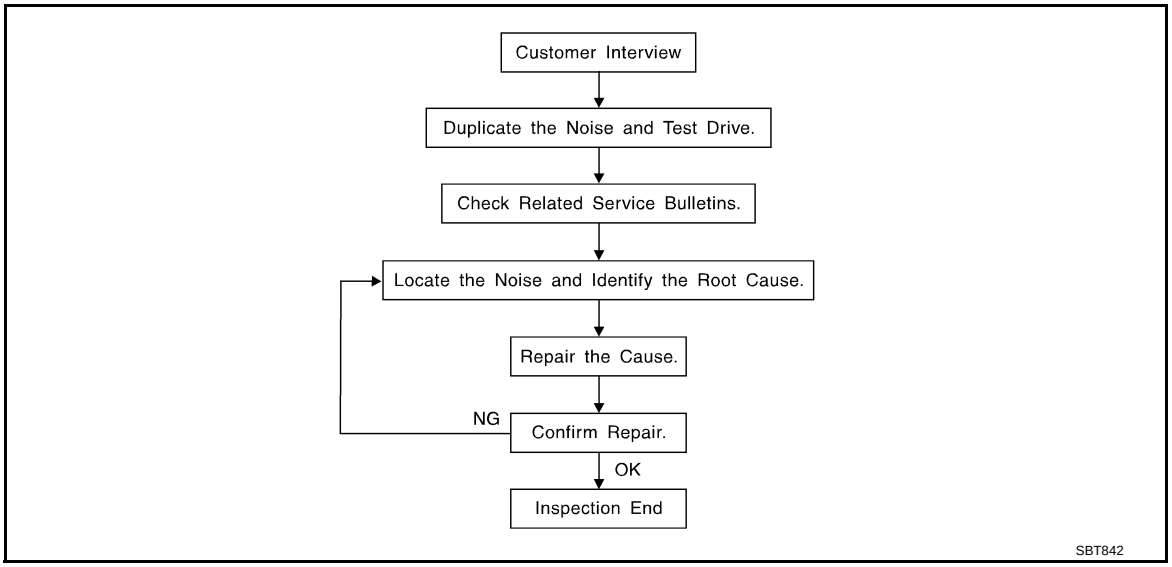
JCJWA0791GB

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSIS

Work Flow

INFOID:0000000004685042



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-18, "Diagnostic Worksheet". This information is necessary to duplicate the conditions that exist when the noise occurs.

- The customer may not be able to provide a detailed description or the location of the noise. Attempt to obtain all the facts and conditions that exist when the noise occurs (or does not occur).
- If there is more than one noise in the vehicle, 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.
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 SE-16, "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.
NOTE:
Always check with the Parts Department for the latest parts information.
The following materials are contained in the Nissan Squeak and Rattle Kit (J-43980). Each item can be ordered separately as needed.
URETHANE PADS [1.5 mm (0.059 in) thick]
Insulates connectors, harness, etc.
76268-9E005: 100 × 135 mm (3.94 × 5.31 in)/76884-71L01: 60 × 85 mm (2.36 × 3.35 in)/76884-71L02:15 × 25 mm (0.59 × 0.98 in)
INSULATOR (Foam blocks)
Insulates components from contact. Can be used to fill space behind a panel.
73982-9E000: 45 mm (1.77 in) thick, 50 × 50 mm (1.97 × 1.97 in)/73982-50Y00: 10 mm (0.39 in) thick, 50 × 50 mm (1.97 × 1.97 in)
INSULATOR (Light foam block)
80845-71L00: 30 mm (1.18 in) thick, 30 × 50 mm (1.18 × 1.97in)
FELT CLOTHTAPE
Used to insulate where movement does not occur. Ideal for instrument panel applications.

68370-4B000: 15 × 25 mm (0.59 × 0.98 in) pad/68239-13E00: 5 mm (0.20 in) wide tape roll
The following materials, not found in the kit, can also be used to repair squeaks and rattles.
UHMW (TEFLON) TAPE
Insulates where slight movement is present. Ideal for instrument panel applications.
SILICONE GREASE
Used 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.
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

INFOID:0000000004685043

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

1. The cluster lid A and instrument panel
2. Acrylic lens and combination meter housing
3. Instrument panel to front pillar garnish
4. Instrument panel to windshield
5. Instrument panel mounting pins
6. Wiring harnesses behind the combination meter
7. A/C defroster duct and duct joint
   These incidents can usually be located by tapping or moving the components to duplicate the noise or by pressing on the components while driving to stop the noise. Most of these incidents can be repaired by applying felt cloth tape or 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.

CENTER CONSOLE

Components to pay attention to include:

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

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

DOORS

Pay attention to the following:

1. Finisher and inner panel making a slapping noise
2. Inside handle escutcheon to door finisher
3. Wiring harnesses tapping
4. Door striker out of alignment causing a popping noise on starts and stops

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. 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
2. Trunk lid striker out of adjustment

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

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

SUNROOF/HEADLINING

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

1. Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
2. Sunvisor shaft shaking in the holder
3. Front or rear windshield touching headlining and squeaking

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

SEATS

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

1. Headrest rods and holder
2. A squeak between the seat pad cushion and frame
3. The rear seatback lock and bracket

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

UNDERHOOD

Some interior noise may be caused by components under the hood or on the engine wall. The noise is then transmitted into the passenger compartment.
Causes of transmitted underhood noise include:

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

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

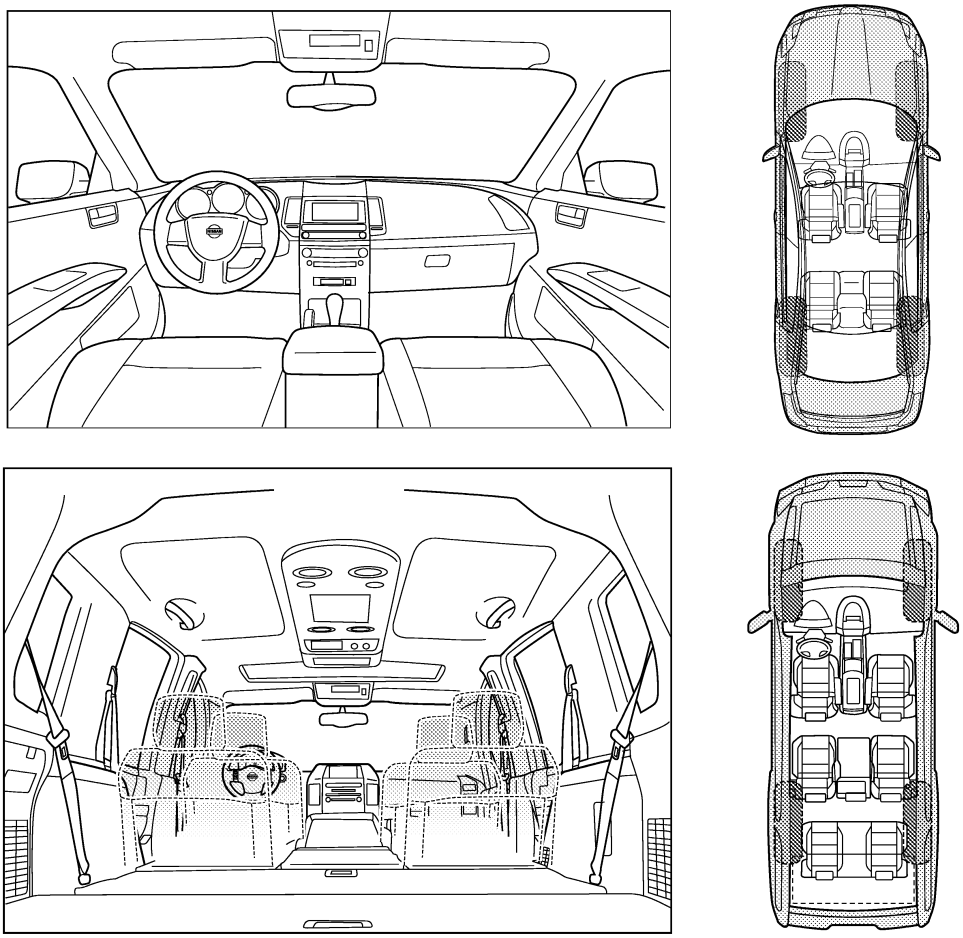
Diagnostic Worksheet

INFOID:0000000004655632

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

SQUEAK & RATTLE DIAGNOSTIC WORKSHEET - page 2

Briefly describe the location where the noise occurs:

_____

_____

II. WHEN DOES IT OCCUR? (please check the boxes that apply)

- ☐ anytime
- ☐ 1st time in the morning
- ☐ only when it is cold outside
- ☐ only when it is hot outside
- ☐ after sitting out in the rain
- ☐ when it is raining or wet
- ☐ dry or dusty conditions
- ☐ other:

III. WHEN DRIVING:

- ☐ 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 _____ minutes

IV. WHAT TYPE OF NOISE

- ☐ squeak (like tennis shoes on a clean floor)
- ☐ creak (like walking on an old wooden floor)
- ☐ rattle (like shaking a baby rattle)
- ☐ knock (like a knock at the door)
- ☐ tick (like a clock second hand)
- ☐ thump (heavy, muffled knock noise)
- ☐ buzz (like a bumble bee)

TO BE COMPLETED BY DEALERSHIP PERSONNEL

Test Drive Notes:

_____

_____

_____

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

VIN: _____ Customer Name: _____

W.O.# _____ Date: _____

This form must be attached to Work Order

PIIB8742E

PRECAUTION

PRECAUTIONS

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

INFOID:0000000004455695

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:

- **To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.**
- **Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the “SRS AIR BAG”.**
- **Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.**

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

- **When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the ignition ON or engine running, DO NOT 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.**

Precaution for Battery Service

INFOID:0000000004678869

Before disconnecting the battery, lower both the driver and passenger windows. This will prevent any interference between the window edge and the vehicle when the door is opened/closed. During normal operation, the window slightly raises and lowers automatically to prevent any window to vehicle interference. The automatic window function will not work with the battery disconnected.

Service Notice

INFOID:0000000004455696

- 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 never protrudes from parts.
- When replacing any metal parts (for example body outer panel, members, etc.), always take rust prevention measures.

Precaution for Work

INFOID:0000000004455697

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, always protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, always wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and keep them.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with new one.

- Always tighten bolts and nuts securely to the specified torque.
- After reinstallation is complete, always check that each part works normally.
- Follow the steps below to clean components.

- Water soluble foul: Dip a soft cloth into lukewarm water, and wring the water out of the cloth to wipe the fouled area.
  Then rub with a soft and dry cloth.
- Oily foul: Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%), and wipe the fouled area.
  Then dip a cloth into fresh water, and wring the water out of the cloth to wipe the detergent off. Then rub with a soft and dry cloth.

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

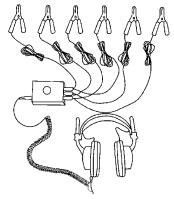
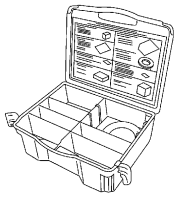
PREPARATION

PREPARATION

Special Service Tool

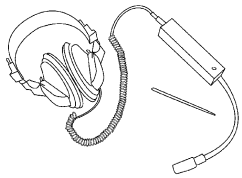
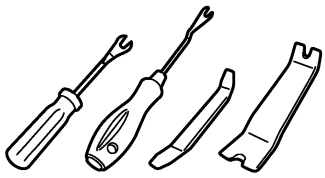
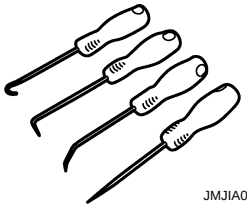
INFOID:0000000004455698

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

Tool number (Kent-Moore No.) Tool name	Description
(J39570) Chassis ear  SIIA0993E	Locates the noise
(J43980) NISSAN Squeak and Rattle Kit  SIIA0994E	Repairs the cause of noise

Commercial Service Tool

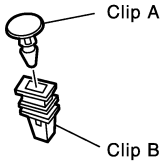
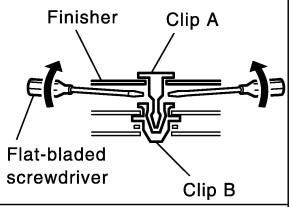
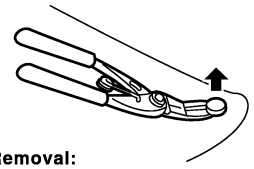
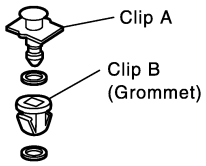
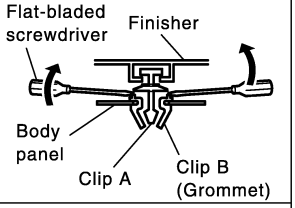
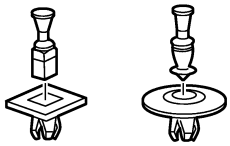
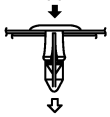
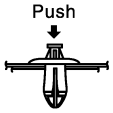
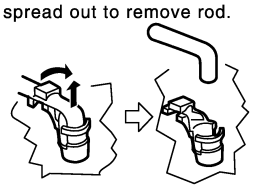
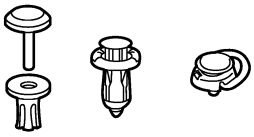
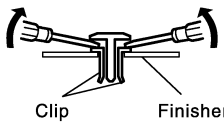
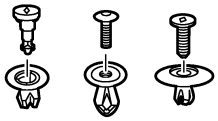
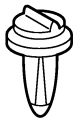
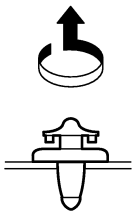
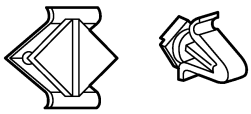
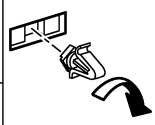
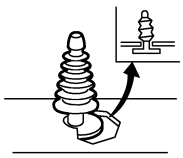
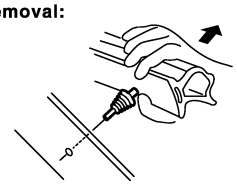
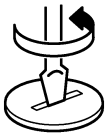
INFOID:0000000004455699

Tool name	Description
Engine ear  SIIA0995E	Locates the noise
Remover tool  JMKIA3050ZZ	Removes clips, pawls, and metal clips
Hook and pick tool  JMJIA0490ZZ	Removes the snap pins

CLIP LIST

Clip List

INFOID:0000000005894581

Shapes	Removal & Installation	Shapes	Removal & Installation
	**Removal:** Remove by bending up with flat-bladed screwdrivers or clip remover. 		**Removal:** 
	 **Removal:** Remove with a clip remover.		**Removal:** 
	**Removal:** Push center pin to catching position. (Do not remove center pin by hitting it.)  **Installation:** 		**Removal:** Holder portion of clip must be spread out to remove rod. 
	**Removal:** Remove by bending up with flat-bladed screwdrivers or clip remover. 		**Removal:** 1. Screw out with a Phillips screwdriver. 2. Remove female portion with flat-bladed screwdriver. 
	**Removal:** 		**Removal:**  **Removal:**  **Installation:** 
	**Removal:** 		**Removal:** 

JMJIA3734GB

REMOVAL AND INSTALLATION

SEAT

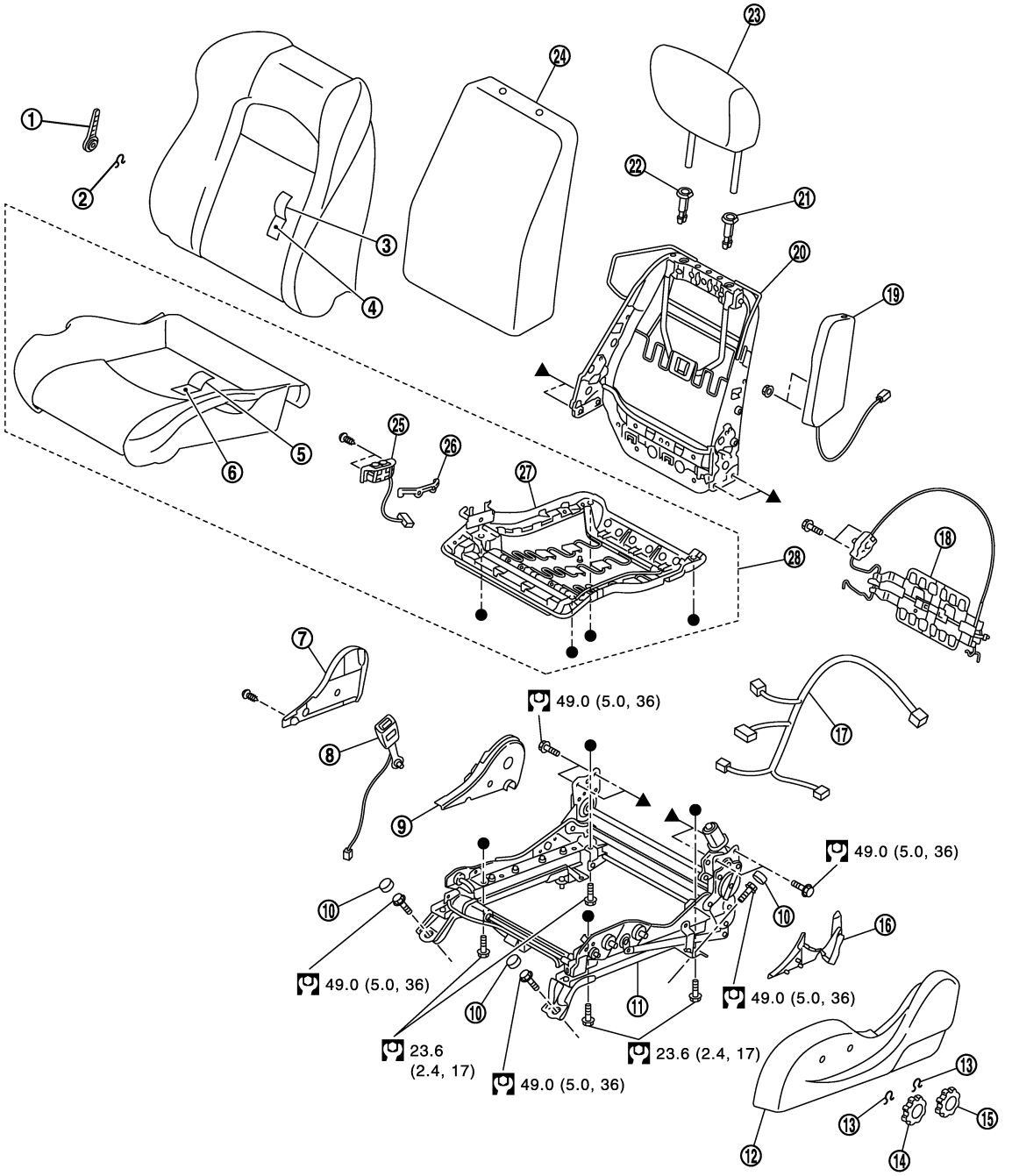
Exploded View

INFOID:0000000004455700

CAUTION:
Never disassembly the component parts only from passenger seat in the dotted lines shown in the figure below. (USA/Canada model only)

POWER SEAT

SEC. 870



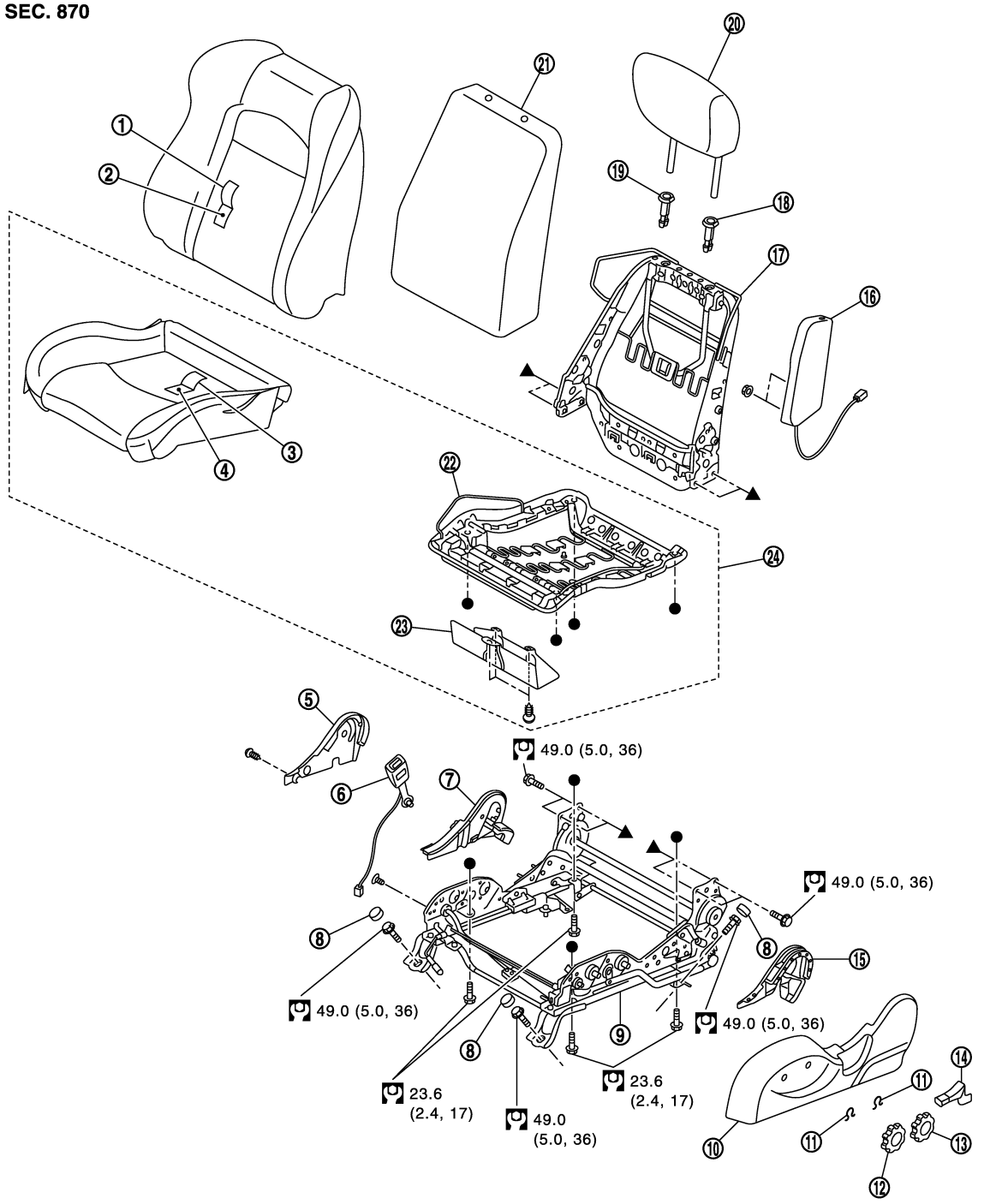
JMJIA2625GB

1. Lumbar support lever knob (Driver seat only)
2. Snap ring (Driver seat only)
3. Seatback trim
4. Seatback pad
5. Seat cushion trim
6. Seat cushion pad
7. Seat cushion inner finisher
8. Seat belt buckle
9. Reclining device inner cover
10. Bolt cap
11. Seat adjuster assembly
12. Seat cushion outer finisher
13. Snap ring (Driver seat only)
14. Thigh support dial (Driver seat only)
15. Lifter dial (Driver seat only)
16. Reclining device outer cover
17. Seat harness
18. Lumbar support unit (Driver seat only)
19. Side air bag module
20. Seatback frame
21. Headrest holder (locked)
22. Headrest holder (free)
23. Headrest
24. Seatback silencer
25. Seat control switch
26. Switch bracket cover
27. Seat cushion frame
28. Seat cushion assembly (USA/Canada model passenger only)

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

MANUAL SEAT

SEC. 870



1. Seatback trim	2. Seatback pad	3. Seat cushion trim
4. Seat cushion pad	5. Seat cushion inner finisher	6. Seat belt buckle
7. Reclining device inner cover	8. Bolt cap	9. Seat adjuster assembly
10. Seat cushion outer finisher	11. Snap ring (Driver seat only)	12. Thigh support dial (Driver seat only)
13. Lifter dial (Driver seat only)	14. Reclining lever knob	15. Reclining device outer cover
16. Side air bag module	17. Seatback frame	18. Headrest holder (locked)
19. Headrest holder (free)	20. Headrest	21. Seatback silencer
22. Seat cushion frame (USA/Canada model passenger only)	23. Harness connector bracket (Driver seat only)	24. Seat cushion assembly

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

Removal and Installation

INFOID:0000000004455701

REMOVAL

1. Remove the headrest.
2. Remove the mounting bolts on the front side of the seat.
   - Slide the seat to the rear-most position.
   - Remove the bolt caps.
   - Remove the mounting bolts.
3. Remove the mounting bolts on the rear side of the seat.
   - Slide the seat to the front-most position.
   - Remove the bolt caps.
   - Remove the mounting bolts.
4. Set seatback in a standing position.
5. 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 3 minutes or more.
6. Remove seat from the vehicle.
   CAUTION:
   When removing and installing, use shop cloths to protect parts from damage.

INSTALLATION

Install in the reverse order of removal.

CAUTION:

- **Before installation, turn ignition switch OFF, disconnect battery negative terminal and then wait 3 minutes or more.**
- **Clamp the harness in position.**

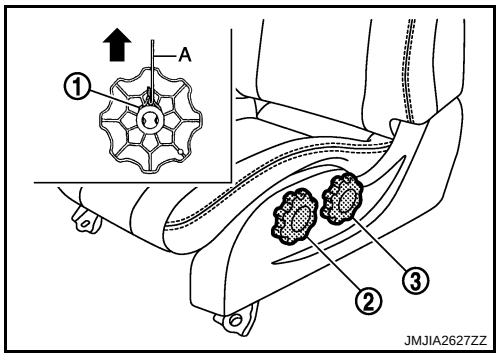
Disassembly and Assembly

INFOID:0000000004455702

SEATBACK

Disassembly

1. Remove the dials. (Driver seat only)
   - Hang snap ring (1) on hook and pick tool (A) and pull it up to remove.
   - Remove the thigh support dial (2) and lifter dial (3).

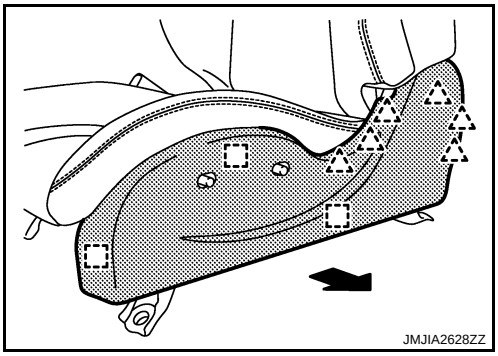


2. Remove the seat cushion outer finisher.

a. Power seat

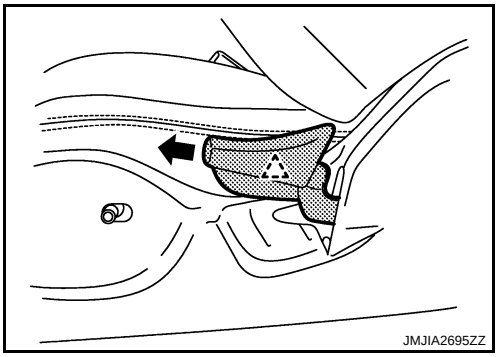
Remove the metal clips and pawls, and then pull out seat cushion outer finisher.

: Metal clip
: Pawl



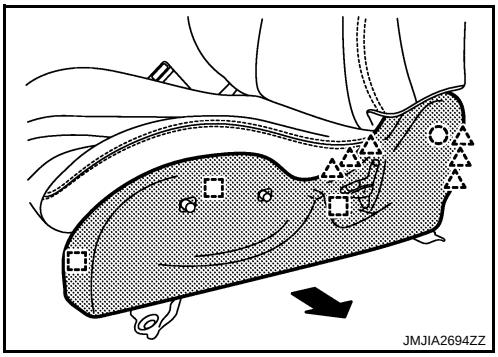
b. Manual seat
- Pull out the reclining lever knob while holding and raising the pawl.

: Pawl



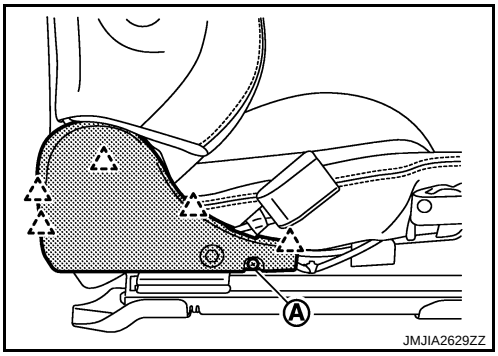
- Remove the metal clips, clip and pawls, and then pull out seat cushion outer finisher.

: Clip
: Metal clip
: Pawl



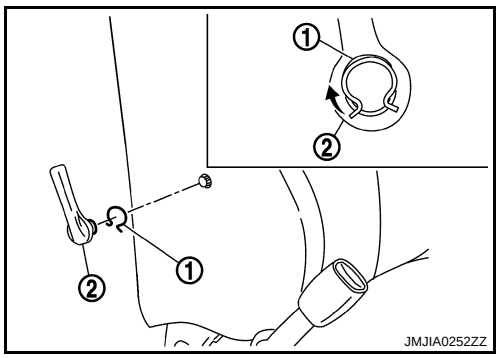
3. Remove the seat cushion inner finisher.
- Remove the mounting screw (A).
- Remove the pawls then pull out seat cushion inner finisher.

: Pawl

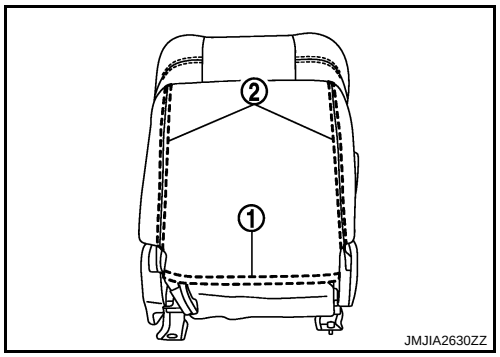


4. Remove the lumbar support lever knob. (Power driver seat only.)

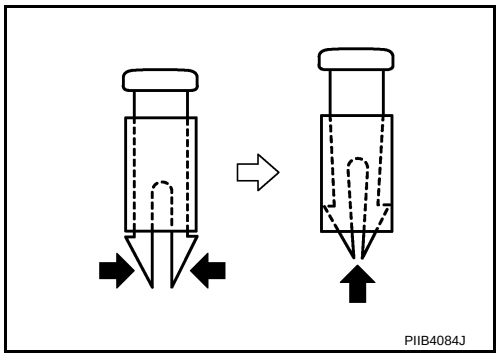
Pull snap ring (1) upward, and remove lumbar support lever knob (2) from seatback frame with hook and pick tool.



5. Remove the seatback trim and seatback pad.
   - Remove the seatback retainer (1), and then open the fastener (2).



   - Remove the headrest holder.
     CAUTION:
     Before installing headrest holder check its orientation. (front/rear and right/left)



   - Remove the side air bag module mounting nuts.
   - Disconnect the seatback heater unit harness connector. (Power seat only)
   - Remove the seatback trim and seatback pad from the seatback frame.
   - Remove the hog rings, and separate the seatback trim and seatback pad.
6. Remove the seatback silencer.
7. Disconnect the harness connectors.
   Disconnect the reclining motor harness connector and remove the harness clamp. (Power seat only)
8. Remove the seatback frame.
   Remove the seatback frame mounting bolt.

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.

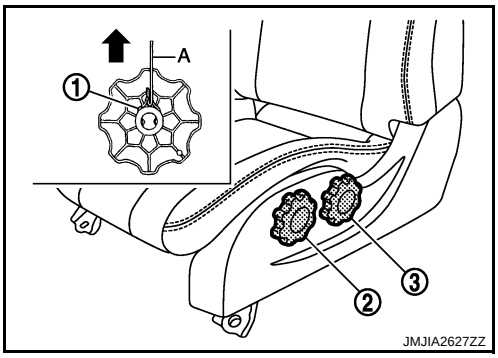
SEAT CUSHION

Disassembly

CAUTION:
Never disassemble front passenger seat cushion assembly. (USA/Canada model only)
Always replace as an assembly.

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

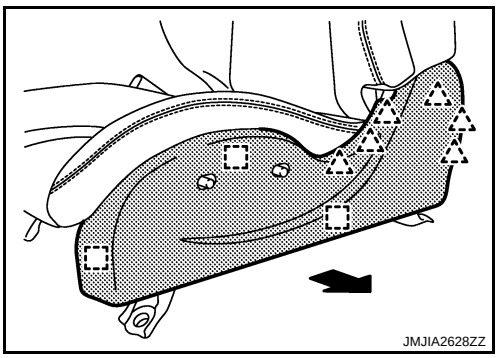
1. Remove the dials. (Driver seat only)
   - Hang snap ring (1) on hook and pick tool (A) and pull it up to remove.
   - Remove the thigh support dial (2) and lifter dial (3).



2. Remove the seat cushion outer finisher.

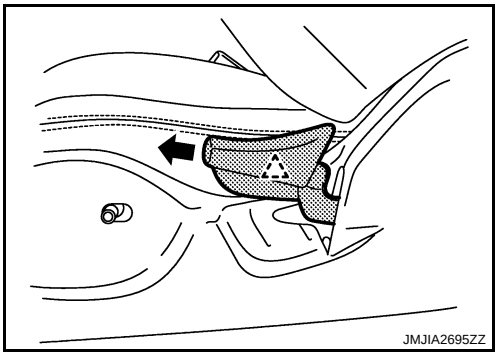
a. Power seat
Remove the metal clips and pawls, and then pull out seat cushion outer finisher.

: Metal clip
: Pawl



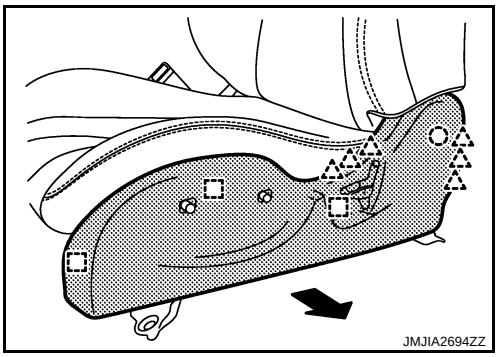
b. Manual seat
   - Pull out the reclining lever knob while holding and raising the pawl.

: Pawl



   - Remove the metal clips, clip and pawls, and then pull out seat cushion outer finisher.

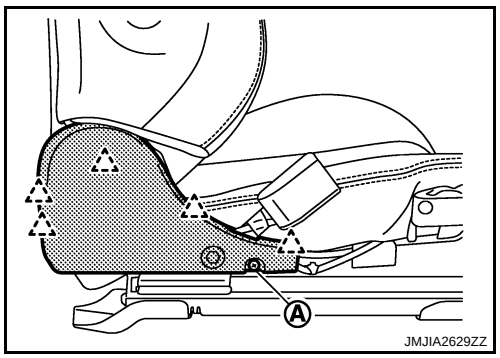
: Clip
: Metal clip
: Pawl



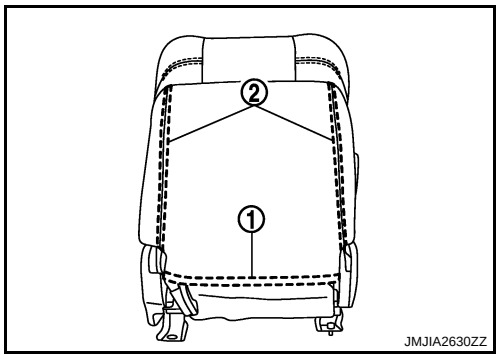
3. Remove the seat cushion inner finisher.

- Remove the mounting screw (A).
- Remove the pawls then pull out seat cushion inner finisher.

: Pawl



4. Remove the seatback assembly.
   - Remove the seatback retainer (1), and then open the fastener (2).



   - Disconnect the reclining motor harness connector and remove the harness clamp. (Power seat only)
   - Disconnect seatback heater unit harness connector. (Power seat only)
   - Remove the side air bag module harness clamp.
   - Remove the seatback mounting bolts, and then remove the seatback assembly.
5. Remove the seat belt buckle. Refer to SB-8, "SEAT BELT BUCKLE : Removal and Installation".
6. Remove the seat control switch. (Power seat only)
   - Disconnect the seat control switch harness connector.
   - Remove the mounting screw, and then remove harness clamp.
7. Remove the seat cushion trim and seat cushion pad.
   - Disconnect the sliding motor harness connector and remove the harness clamp. (Power seat only)
   - Remove the harness clamps.
   - Disconnect the seat cushion heater unit harness connector. (Power seat only)
   - Remove the seat cushion inside clip. (Manual seat only)
   - Remove the harness connector blacket. (Manual driver seat only)
   - Remove the seat cushion mounting bolts, and then remove the seat cushion assembly.
   - Remove the hog rings, and separate seat cushion frame, seat cushion trim and seat cushion pad. (Except USA/Canada model passenger seat only)
8. Remove the reclining device outer cover.
9. Remove the reclining device inner cover.

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 pad side wire.

POWER SEAT SWITCH

Exploded View

INFOID:0000000004655633

Refer to SE-24, "Exploded View".

Removal and Installation

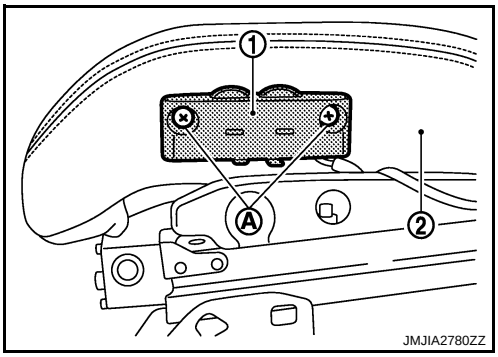
INFOID:0000000004655634

REMOVAL

CAUTION:

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

1. Remove the seat. Refer to SE-27, "Removal and Installation".
2. Disconnect power seat switch connector.
3. Remove the screws (A).
4. Remove the power seat switch (1) from the seat (2).



INSTALLATION

Install in the reverse order of removal.

HEATED SEAT SWITCH

Exploded View

INFOID:0000000004655635

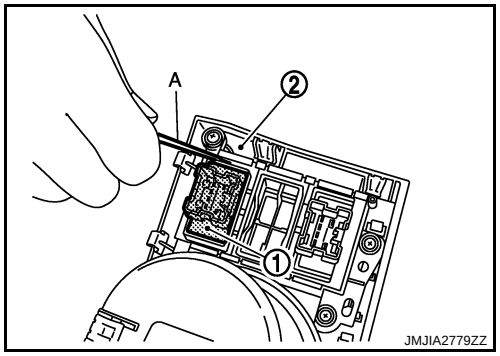
Refer to IP-23, "Exploded View"

Removal and Installation

INFOID:0000000004655636

REMOVAL

1. Remove the cup holder assembly (2). Refer to IP-24, "Removal and Installation"
2. Remove heated seat switch bracket (1) from cup holder assembly (2) with flat bladed screwdriver (A)



INSTALLATION

Install in the reverse order of removal.

SPEC CHANGE INFORMATION

SEAT

Seat

INFOID:0000000005390528

Seats covered with dedicated cloth in special color with red stitches (with nismo logo embroidery).