

CONTENTS

SYMPTOM DIAGNOSIS	2
Work Flow Inspection Procedure Diagnostic Worksheet	.2 .4
PRECAUTION	8
PRECAUTIONS Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TEN- SIONER" Precaution for Procedure without Cowl Top Cover Handling for Adhesive and Primer	.8 .8
PREPARATION	9
PREPARATION Special Service Tools Commercial Service Tools	.9
REMOVAL AND INSTALLATION1	0
VINDSHIELD GLASS1 Exploded View1 Removal and Installation1	0

Inspection11
REAR WINDOW GLASS12Exploded View12Removal and Installation12Inspection13
FRONT DOOR GLASS14Exploded View14Removal and Installation14Inspection and Adjustment15
FRONT REGULATOR16Exploded View16Removal and Installation16Disassembly and Assembly17Inspection and Installation17
REAR DOOR GLASS19Exploded View19Removal and Installation19Inspection and Adjustment20
REAR REGULATOR 22 Exploded View 22 Removal and Installation 22 Disassembly and Assembly 23 Inspection and Adjustment 23

J

D

Е

F

Н

L

N/I

Ν

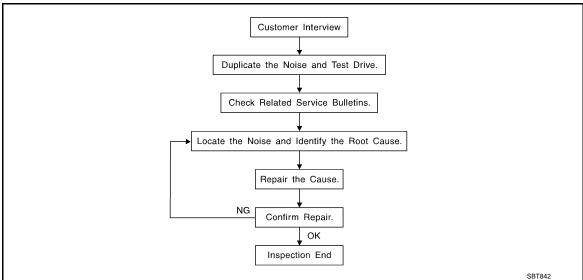
0

Р

SYMPTOM DIAGNOSIS

SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow (INFOID:000000001832795



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 GW-6, "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 you may judge as acceptable may be very irritating to the customer.
- Weather conditions, especially humidity and temperature, may have a great effect on noise level.

DUPLICATE THE NOISE AND TEST DRIVE

< SYMPTOM DIAGNOSIS >

If possible, drive the vehicle with the customer until the noise is duplicated. Note any additional information on the Diagnostic Worksheet regarding the conditions or location of the noise. This information can be used to duplicate the same conditions when you confirm the repair.

If the noise can be duplicated easily during the test drive, to help identify the source of the noise, try to duplicate the noise with the vehicle stopped by doing one or all of the following:

- 1) Close a door.
- 2) Tap or push/pull around the area where the noise appears to be coming from.
- 3) Rev the engine.
- 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 you suspect the noise is coming from.

Do not use too much force when removing clips and fasteners, otherwise clips and fastener can be broken or lost during the repair, resulting in the creation of new noise.

 Tapping or pushing/pulling the component that you suspect is causing the noise. Do not tap or push/pull the component with excessive force, otherwise the noise will be eliminated only tem-

- Feeling for a vibration with your hand by touching the component(s) that you suspect is (are) causing the
- Placing a piece of paper between components that you suspect are causing the noise.
- Looking for loose components and contact marks. Refer to GW-4, "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 your authorized Nissan Parts Department.

CAUTION:

Do not 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.

GW-3

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

76268-9E005: 100×135 mm $(3.94 \times 5.31 \text{ in})/76884-71L01$: 60×85 mm $(2.36 \times 3.35 \text{ in})/76884-71L01$

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 \times 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.

GW

J

В

D

Е

F

Ν

Р

< SYMPTOM DIAGNOSIS >

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

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

UHMW (TEFLON) TAPE

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

SILICONE GREASE

Used in place of UHMW tape that will be visible or not fit. Will only last a few months.

SILICONE SPRAY

Use when grease cannot be applied.

DUCT TAPE

Use to eliminate movement.

CONFIRM THE REPAIR

Confirm that the cause of a noise is repaired by test driving the vehicle. Operate the vehicle under the same conditions as when the noise originally occurred. Refer to the notes on the Diagnostic Worksheet.

Inspection Procedure

NFOID:0000000001832796

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

INSTRUMENT PANEL

Most incidents are caused by contact and movement between:

- The cluster lid A and instrument panel
- 2. Acrylic lens and combination meter housing
- 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:

Do not use silicone spray to isolate a squeak or rattle. If you saturate the area with silicone, you will not be able to recheck the repair.

CENTER CONSOLE

Components to pay attention to include:

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

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

DOORS

Pay attention to the:

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

Tapping or moving the components or pressing on them while driving to duplicate the conditions can isolate many of these incidents. You can usually insulate the areas with felt cloth tape or insulator foam blocks from the Nissan Squeak and Rattle Kit (J-43980) to repair the noise.

TRUNK

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

- Trunk lid dumpers out of adjustment
- 2. Trunk lid striker out of adjustment

Revision: 2008 September GW-4 2008 G35 Sedan

< SYMPTOM DIAGNOSIS >

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

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

SUNROOF/HEADLINING

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

- Sunroof lid, rail, linkage or seals making a rattle or light knocking noise
- 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 seat is in and the load placed on the seat when the noise is present. These conditions should be duplicated when verifying and isolating the cause of the noise.

Cause of seat noise include:

- Headrest rods and holder
- 2. 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 under hood noise include:

- Any component mounted to the engine wall
- 2. Components that pass through the engine wall
- Engine wall mounts and connectors
- Loose radiator mounting pins
- 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.

GW

Α

В

D

Е

F

Н

M

N

Р

GW-5 Revision: 2008 September 2008 G35 Sedan

Diagnostic Worksheet

INFOID:0000000001832797



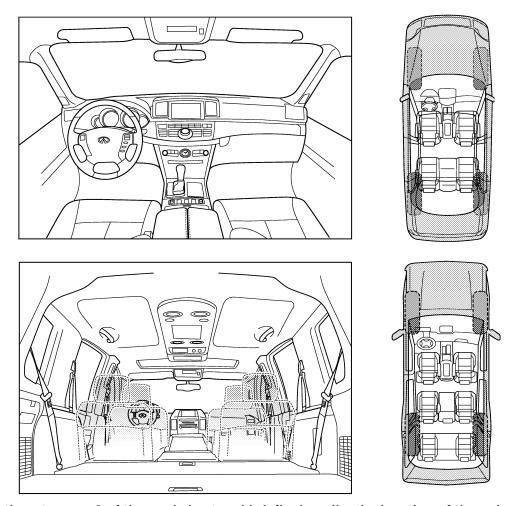
SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

Dear Infiniti Customer:

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

< SYMPTOM DIAGNOSIS >

	oise occurs:			
I. WHEN DOES IT OCCUR? (please cl	neck the boxes	s that ap	ply)	_
anytime	☐ after s	itting ou	it in the ra	in
1st time in the morning	when it is raining or wet			
only when it is cold outside	☐ dry or dusty conditions☐ other:			
only when it is hot outside	☐ other:			
II. WHEN DRIVING:	IV. WHAT	TYPE	OF NOIS	E
through driveways				es on a clean floor)
over rough roads			_	n old wooden floor)
over speed bumps only about mph	☐ rattle (☐ knock			
on acceleration	tick (lil	•		,
coming to a stop				knock noise)
on turns: left, right or either (circle)	☐ buzz (like a bu	ımble bee))
with passengers or cargo				
	inutes			
other:			NO.	Initials of parson
other: miles or m TO BE COMPLETED BY DEALERSHI		YES	NO	Initials of person performing
other: miles or m TO BE COMPLETED BY DEALERSHI			NO	Initials of person performing
other: after driving miles or m TO BE COMPLETED BY DEALERSHI Test Drive Notes: Vehicle test driven with customer - Noise verified on test drive			NO 🗆	Initials of person performing
other: after driving miles or m TO BE COMPLETED BY DEALERSHI Test Drive Notes: //ehicle test driven with customer - Noise verified on test drive - Noise source located and repaired	P PERSONNE		NO	Initials of person performing
other: after driving miles or m TO BE COMPLETED BY DEALERSHI Test Drive Notes: Vehicle test driven with customer - Noise verified on test drive - Noise source located and repaired	P PERSONNE		NO	Initials of person performing
other: after driving miles or m TO BE COMPLETED BY DEALERSHI Test Drive Notes: Vehicle test driven with customer	rm repair Custo	YES		Initials of person performing

Revision: 2008 September GW-7 2008 G35 Sedan

PRECAUTION

PRECAUTIONS

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

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

WARNING:

- 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

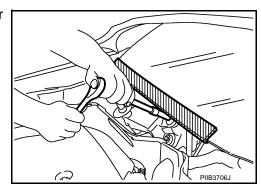
WARNING:

- 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 Procedure without Cowl Top Cover

INFOID:0000000001832799

When performing the procedure after removing cowl top cover, cover the lower end of windshield with urethane, etc.



Handling for Adhesive and Primer

- Do not use an adhesive which is past its usable date. Shelf life of this product is limited to six months after the date of manufacture. Carefully adhere to the expiration or manufacture date printed on the box.
- Keep primers and adhesive in a cool, dry place. Ideally, they should be stored in a refrigerator.
- Open the seal of the primer and adhesive just before application. Discard the remainder.
- Before application, be sure to shake the primer container to stir the contents. If any floating material is found, do not use it.
- If any primer or adhesive contacts the skin, wipe it off with gasoline or equivalent and wash the skin with soap.
- When using primer and adhesive, always observe the precautions in the instruction manual.

PREPARATION

PREPARATION

Special Service Tools

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

Tool number (Kent-Moore No.) Tool name		Description
(J-39570) Chassis ear	SIIAO993E	Locating the noise
(J-43980) NISSAN Squeak and Rat- tle Kit	SIIA0994E	Repairing the cause of noise

Commercial Service Tools

Tool name		Description
Engine ear	SIIA0995E	Locates the noise
Remover tool	JMKIA3050ZZ	Removes the clips, pawls and metal clip
Suction lifter	PIIB1805J	Holds the glass

GW-9 Revision: 2008 September 2008 G35 Sedan

Α

INFOID:0000000001832801

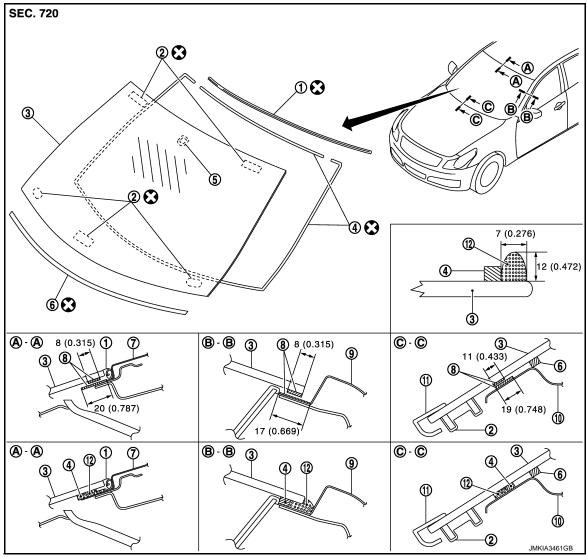
Е

D

REMOVAL AND INSTALLATION

WINDSHIELD GLASS

Exploded View



- 1. Windshield molding
- 4. Dam rubber (upper, lower)
- 7. Roof panel
- 10. Dash upper cross member
- 2. Spacer
- 5. Mirror base
- 8. Primer
- 11. Cowl top cover
- Refer to GI-4, "Components" for symbols in the figure.

- 3. Windshield glass
- 6. Insulator glass
- 9. Body side outer panel

INFOID:0000000001832804

12. Adhesive

Removal and Installation

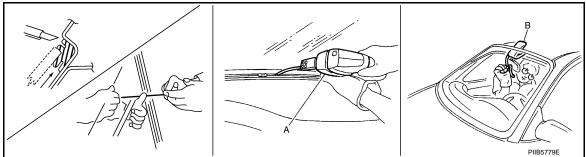
REMOVAL

- 1. Remove the front pillar garnish. Refer to INT-14, "Removal and Installation".
- 2. Partially remove the headlining (front edge). Refer to INT-24, "Removal and Installation".
- 3. Remove the cowl top cover. Refer to EXT-20, "Removal and Installation".
- 4. Remove roof side molding. Refer to <a>EXT-30, "Removal and Installation".
- 5. Apply protective tape around the windshield glass to protect the painted surface from damage.

WINDSHIELD GLASS

< REMOVAL AND INSTALLATION >

After removing moldings, remove glass using piano wire or power cutting tool (A) and an inflatable pump bag (B).



NOTE:

If a windshield glass is to be reused, mark the body and the glass with matching marks.

When cutting the glass from the vehicle, always wear safety glasses and heavy gloves to help prevent glass splinters from entering your eyes or cutting your hands. **CAUTION:**

- When a windshield glass is to be reused, do not use a cutting knife or power cutting tool.
- Do not scratch the glass when removing.
- Do not set or stand the glass on its edge. Small chips may develop into cracks.

INSTALLATION

- The dam rubber and insulator should be installed in position.
- Use a genuine Nissan Urethane Adhesive Kit (if available) or equivalent and follow the instructions furnished with it.
- While the urethane adhesive is curing, open a door window. This will prevent the glass from being forced out by passenger room air pressure when a door is closed.
- The molding must be installed securely so that it is in position and leaves no gap.
- Inform the customer that the vehicle should remain stationary until the urethane adhesive has completely cured (preferably 24 hours). Curing time varies with temperature and humidity.

WARNING:

- Keep heat and open flames away as primers and adhesive are flammable.
- The materials contained in the kit are harmful if swallowed, and may irritate skin and eyes. Avoid contact with the skin and eyes.
- Use in an open, well ventilated location. Avoid breathing the vapors. They can be harmful if inhaled. If affected by vapor inhalation, immediately move to an area with fresh air.
- Driving the vehicle before the urethane adhesive has completely cured may affect the performance of the windshield in case of an accident.

CAUTION:

- Perform adjustment of front wiper arms stop location. Refer to WW-91, "Adjustment".
- Do not use an adhesive which is past its usable term. Shelf life of this product is limited to six months after the date of manufacture. Carefully adhere to the expiration or manufacture date printed on the box.
- Keep primers and adhesive in a cool, dry place. Ideally, they should be stored in a refrigerator.
- Do not leave primers or adhesive cartridge unattended with their caps open or off.
- The vehicle should not be driven for at least 24 hours or until the urethane adhesive has completely cured. Curing time varies depending on temperature and humidity. The curing time will increase under lower temperature and lower humidity.

Inspection INFOID:0000000001832805

Repairing Water Leakage for Windshield

Leakage can be repaired without removing and reinstalling glass.

If water is leaking between the urethane adhesive material and body or glass, determine the extent of leakage. This can be done by applying water to the windshield area while pushing glass outward.

To stop the leakage, apply primer (if necessary) and then urethane adhesive to the leakage point.

GW

J

Α

В

D

F

Н

L

M

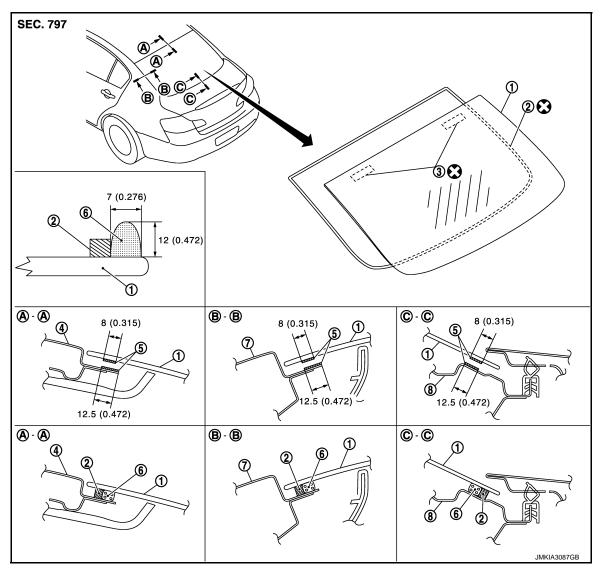
Ν

Р

GW-11 Revision: 2008 September 2008 G35 Sedan

REAR WINDOW GLASS

Exploded View INFOID:0000000004778759



- Rear window glass
- Roof panel
- Body side outer panel
- Dam rubber 2.
- Primer
- 8. Waist rear

3. Spacer

Adhesive

INFOID:0000000001832807

Removal and Installation

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

REMOVAL

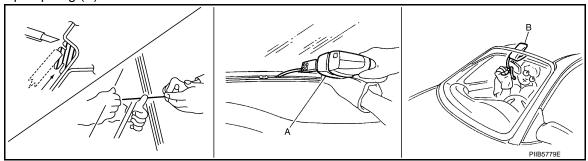
1. Remove rear seat back and rear seat cushion. Refer to SE-63, "Removal and Installation".

- 2. Remove the rear pillar finisher. Refer to INT-14, "Removal and Installation".
- 3. Remove the rear parcel shelf finisher. Refer to INT-19, "Removal and Installation".
- 4. Remove the rear of the headlining. Refer to INT-24, "Removal and Installation".
- 5. Remove the connectors and grounds for the rear window defogger and printed antenna.

REAR WINDOW GLASS

< REMOVAL AND INSTALLATION >

6. After removing molding using pliers, remove glass using piano wire or power cutting tool (A) and an inflatable pump bag (B).



7. If a rear window glass is reused, mark the body and the glass with matching marks.

WARNING:

When cutting the glass from the vehicle, always wear safety glasses and heavy gloves to help prevent glass splinters from entering your eyes or cutting your hands.

CAUTION:

- When a rear window glass is reused, do not use a cutting knife or power cutting tool.
- Do not scratch the glass when removing.
- Do not set or stand the glass on its edge. Small chips may develop into cracks.

INSTALLATION

- The dam rubber should be installed in position.
- Use a genuine Nissan Urethane Adhesive Kit (if available) or equivalent and follow the instructions furnished with it.
- While the urethane adhesive is curing, open a door window. This will prevent the glass from being forced out by passenger compartment air pressure when a door is closed.
- The molding must be installed securely so that it is in position and leaves no gap.
- Inform the customer that the vehicle should remain stationary until the urethane adhesive has completely cured (preferably 24 hours). Curing time varies with temperature and humidity.

WARNING:

- Keep heat and open flames away as primers and adhesive are flammable.
- The materials contained in the kit are harmful if swallowed, and may irritate skin and eyes. Avoid contact with the skin and eyes.
- Use in an open, well ventilated location. Avoid breathing the vapors. They can be harmful if inhaled. If affected by vapor inhalation, immediately move to an area with fresh air.
- Driving the vehicle before the urethane adhesive has completely cured may affect the performance of the rear window in case of an accident.

CAUTION:

- Do not use an adhesive which is past its usable term. Shelf life of this product is limited to six months after the date of manufacture. Carefully adhere to the expiration or manufacture date printed on the box.
- Keep primers and adhesive in a cool, dry place. Ideally, they should be stored in a refrigerator.
- · Do not leave primers or adhesive cartridge unattended with their caps open or off.
- The vehicle should not be driven for at least 24 hours or until the urethane adhesive has completely cured. Curing time varies depending on temperature and humidity. The curing time will increase under lower temperature and lower humidity.

Inspection INFOID:000000001832808

REPAIRING WATER LEAKAGE

Leakage can be repaired without removing and reinstalling glass.

If water is leaking between the urethane adhesive material and body or glass, determine the extent of leakage. This can be done by applying water to the side window area while pushing glass outward.

To stop the leakage, apply primer (if necessary) and then urethane adhesive to the leakage point.

GW

Α

В

D

Е

F

M

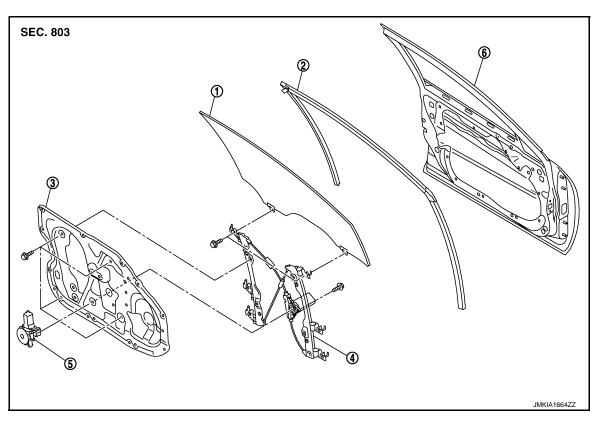
1 V I

Ν

0

FRONT DOOR GLASS

Exploded View

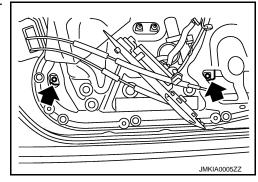


- 1. Door glass
- 4. Regulator assembly
- 2. Door glass run
- 5. Power window motor
- 3. Module base
- 6. Front door panel

Removal and Installation

REMOVAL

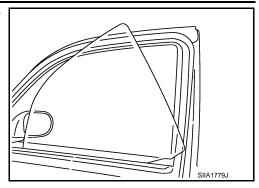
- 1. Remove the front door finisher. Refer to INT-11, "Removal and Installation".
- 2. Remove the corner cover.
- 3. Remove the door speaker.
- Operate the power window main switch to raise/lower the door window until the glass mounting bolts can be seen.
- 5. Remove the glass mounting bolts.



FRONT DOOR GLASS

< REMOVAL AND INSTALLATION >

While holding the door glass, raise it at the rear end to pull the glass out of the sash toward the inside of the door.



Remove the door glass run.

INSTALLATION

Install in the reverse order of removal.

Inspection and Adjustment

INFOID:0000000001832811

SYSTEM INITIALIZATION

If any of the following work has been done, initialize the system.

- Electric power supply to power window switch or motor is interrupted by blown fuse or disconnecting battery cable, etc.
- Removal and installation of the regulator assembly.
- Removal and installation of the motor from the regulator assembly.
- Removal and installation of the harness connector of the power window switch.
- Operation of the regulator assembly as a unit.
- Removal and installation of the door glass.
- Removal and installation of the door glass run.

Initialization

After installing each component to the vehicle, follow the steps below.

- 1. Disconnect the minus terminal of battery or disconnect power window switch harness connector temporarily, then reconnect after at least 1 minute.
- 2. Turn ignition switch ON.
- 3. Operate power window switch to make over a half of the window area open.
- 4. Fully draw the power window switch in the up direction (auto close position) and hold, keep holding the switch even when window is completely closed and then release after 2 seconds have passed.
- Inspect the anti-pinch system function.

NOTE:

Initialization may be cancelled with continuous opening and closing operation. In this case, initialize the system.

INSPECT THE FUNCTION OF THE ANTI-PINCH SYSTEM

- Fully open the door glass.
- 2. Place a wooden piece (wooden hammer handle, etc.) at near fully closed position.
- Perform fully closing operation with auto up switch.
- Check that the glass reverses without pinching the wooden piece, is lowered approximately 150 mm (5.91 in) or for 2 seconds and then stops.
- The glass should not be raised with power window main switch operated while it is reversing or lowering.

CAUTION:

- Be careful not to be pinched.
- Check that the auto up function is normal before the inspection following the system initialization.

FITTING INSPECTION

- Check that the glass is securely fit into the glass run groove.
- Lower the glass slightly [approximately 10 to 20 mm (0.39 to 0.79 in)] and check that the clearance to the sash is parallel. If the clearance between the glass and sash is not parallel, loosen the regulator mounting bolts, guide rail mounting bolts, and glass and guide rail mounting bolts to correct the glass position.

GW

Н

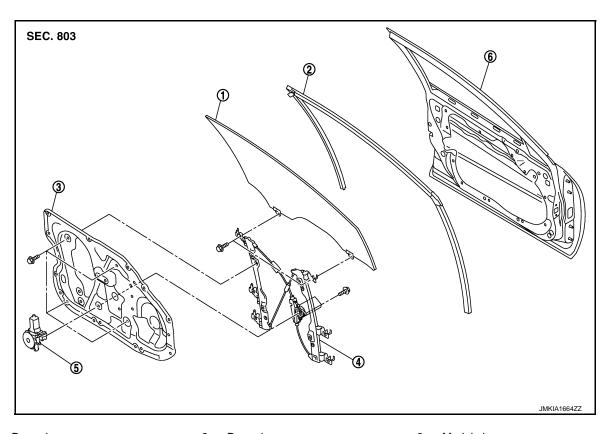
Α

M

Ν

FRONT REGULATOR

Exploded View

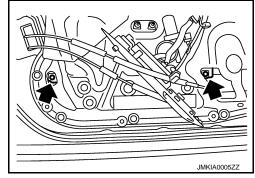


- 1. Door glass
- 4. Regulator assembly
- 2. Door glass run
- 5. Power window motor
- 3. Module base
- 6. Front door panel

Removal and Installation

REMOVAL

- 1. Remove the front door finisher. Refer to INT-14, "Removal and Installation".
- 2. Remove the corner cover.
- 3. Remove the door speaker.
- 4. Operate the power window main switch to raise/lower the door window until the glass mounting bolts can be seen.
- 5. Remove the glass mounting bolts.

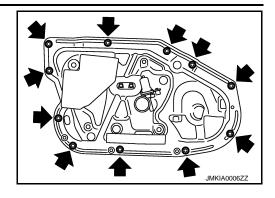


- 6. Raise up the door glass and hold with a suction lifter.
- 7. Disconnect the harness connector for the module assembly, and remove the harness clip.

FRONT REGULATOR

< REMOVAL AND INSTALLATION >

- Remove the module assembly mounting bolts.
- 9. Remove the module assembly.



INSTALLATION

Install in the reverse order of removal.

Disassembly and Assembly

DISASSEMBLY

- Remove power window motor from module assembly.
- Remove regulator assembly from module assembly.

ASSEMBLY

Assemble in the reverse order of disassembly.

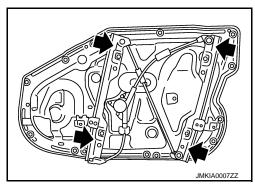
Inspection and Installation

Inspection after Removal

Check the regulator assembly for the following items. If a malfunction is detected, replace or grease it.

- Wire wear
- Regulator deformation
- · Grease condition for each sliding part

The arrows in the figure show the application points of the multi-purpose grease.



SYSTEM INITIALIZATION

If any of the following work has been done, initialize the system.

- Electric power supply to power window switch or motor is interrupted by blown fuse or disconnecting battery cable, etc.
- Removal and installation of the regulator assembly.
- Removal and installation of the motor from the regulator assembly.
- Removal and installation of the harness connector of the power window switch.
- Operation of the regulator assembly as a unit.
- · Removal and installation of the door glass.
- Removal and installation of the door glass run.

Initialization

After installing each component to the vehicle, follow the steps below.

- Disconnect the minus terminal of battery or disconnect power window switch harness connector temporarily, then reconnect after at least 1 minute.
- Turn ignition switch ON.
- Operate power window switch to make over a half of the window area open.
- 4. Fully draw the power window switch in the up direction (auto close position) and hold, keep holding the
- 5. Inspection of the anti-pinch system function.

NOTE:

GW

Α

В

Е

Н

INFOID:0000000001832814

INFOID:0000000001832815

M

N

switch even when window is completely closed and then release after 3 seconds have passed.

GW-17 Revision: 2008 September 2008 G35 Sedan

FRONT REGULATOR

< REMOVAL AND INSTALLATION >

Initialization may be cancelled with continuous opening and closing operation. In this case, initialize the system.

INSPECT THE FUNCTION OF THE ANTI-PINCH SYSTEM

- 1. Fully open the door glass.
- 2. Place a wooden piece (wooden hammer handle, etc.) at near fully closed position.
- 3. Perform fully closing operation with auto up switch.
- Check that the glass reverses without pinching the wooden piece, is lowered approximately 150 mm (5.91 in) or for 2 seconds and then stops.
- The glass should not be raised with power window main switch operated while it is reversing or lowering. **CAUTION:**

Be careful not to be pinched.

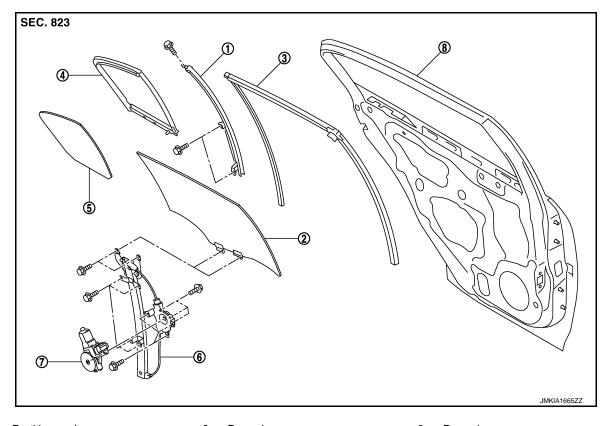
Check that the auto up function is normal before the inspection following the system initialization.

FITTING INSPECTION

- Check that the glass is securely fit into the glass run groove.
- Lower the glass slightly [approximately 10 to 20 mm (0.39 to 0.79 in)] and check that the clearance to the sash is parallel. If the clearance between the glass and sash is not parallel, loosen the regulator mounting bolts, guide rail mounting bolts, and glass and guide rail mounting bolts to correct the glass position.

REAR DOOR GLASS

Exploded View



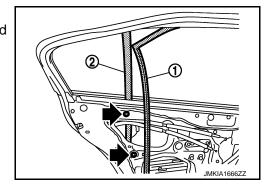
- Partition sash
- 4. Partition glass run
- 7. Power window motor
- 2. Door glass
- 5. Partition glass
- 3. Rear door panel

- 3. Door glass run
- 6. Regulator assembly

Removal and Installation

REMOVAL

- 1. Remove the rear door finisher. Refer to INT-11, "Removal and Installation".
- 2. Disconnect the rear door speaker connector.
- 3. Remove the sealing screen.
- 4. Remove the rear door outside molding. Refer to EXT-34, "Removal and Installation".
- 5. Remove the door glass run (1) on the partition sash side.
- 6. Remove the partition sash (2) fixing screw and bolts, and remove the partition sash (2).



Α

В

D

Е

F

Н

J

GW

INFOID:0000000001832817

GW

Ν

M

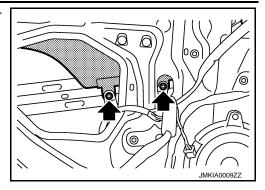
0

Р

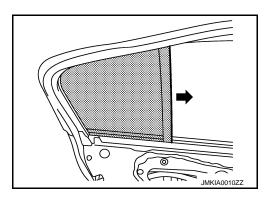
REAR DOOR GLASS

< REMOVAL AND INSTALLATION >

- Operate the power window switch to raise/lower the door window until the glass mounting bolts can be seen.
- Remove the glass mounting bolts.



- 9. Remove the door glass from the inside of door panel.
- 10. Remove the door glass run.
- 11. Remove the partition glass from door panel.



INSTALLATION

Install in the reverse order of removal.

Inspection and Adjustment

INFOID:0000000001832818

SYSTEM INITIALIZATION OF ANTI-PINCH SYSTEM

If any of the following work has been done, initialize the system.

- Electric power sauce to power window switch or motor is interrupted by broken fuse or disconnecting battery cable, etc.
- Removal and installation of the regulator assembly.
- Removal and installation of the motor from the regulator assembly.
- Removal and installation of the harness connector of the power window switch.
- Operation of the regulator assembly as a unit.
- Removal and installation of the door glass.
- Removal and installation of the door glass run.

Initialization

After installing each component to the vehicle, follow the steps below.

- Disconnect the minus terminal of battery or disconnect power window switch harness connector temporarily, then reconnect after at least 1 minute.
- 2. Turn ignition switch ON.
- 3. Open the window to its full width by operating the power window switch. (Exclude this procedure if the window is already fully opened)
- 4. Fully draw the power window switch in the up direction (auto close position) and hold, continue holding the switch even when window is completely closed and then release after 3 seconds have passed.
- Inspection of the anti-pinch system function.

NOTE:

Initialization may be cancelled with continuous opening and closing operation. In this case, initialize the system.

INSPECT THE FUNCTION OF THE ANTI-PINCH SYSTEM

- 1. Fully open the door glass.
- 2. Place a wooden piece (wooden hammer handle, etc.) at near fully closed position.

Revision: 2008 September GW-20 2008 G35 Sedan

REAR DOOR GLASS

< REMOVAL AND INSTALLATION >

- Perform fully closing operation with auto up switch.
- Check that the glass reverses without pinching the wooden piece, is lowered approximately 150 mm (5.91 in) or for 2 seconds and then stops.
- The glass should not be raised with power window main switch operated while it is reversing or lowering. **CAUTION:**
- Be careful not to be pinched.
- Check that the auto up function is normal before the inspection following the system initialization.

FITTING INSPECTION

- Check that the glass is securely fit into the glass run groove.
- Lower the glass slightly [approximately 10 to 20 mm (0.39 to 0.79 in)], and check that the clearance to the sash is parallel. If the clearance between the glass and sash is not parallel, loosen the regulator mounting bolts, guide rail mounting bolts, and glass and carrier plate mounting bolts to correct the glass position.

GW

Ν

Р

GW-21 Revision: 2008 September 2008 G35 Sedan C

В

D

Е

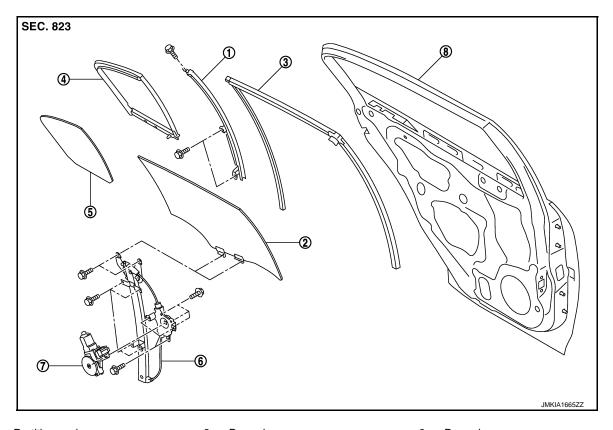
F

Н

J

REAR REGULATOR

Exploded View



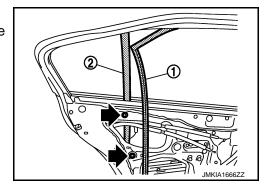
- Partition sash
- 4. Partition glass run
- 7. Power window motor
- 2. Door glass
- 5. Partition glass
- 8. Rear door panel

- 3. Door glass run
- 6. Regulator assembly

Removal and Installation

REMOVAL

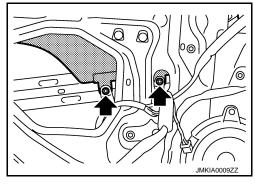
- 1. Remove the rear door finisher. Refer to INT-11, "Removal and Installation".
- 2. Disconnect the rear door speaker connector.
- 3. Remove the sealing screen.
- 4. Remove the rear door outside molding. Refer to INT-11, "Removal and Installation".
- 5. Remove the door glass run (1) on the partition sash side.
- 6. Remove the partition sash (2) fixing screw and bolts and remove the partition sash (2).



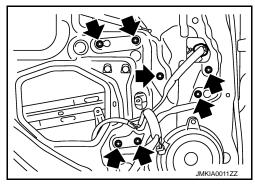
REAR REGULATOR

< REMOVAL AND INSTALLATION >

- 7. Operate the power window switch to raise/lower the door window until the glass mounting bolts can be seen.
- 8. Remove the glass mounting bolts.



- 9. Raise up the door glass and hold with a suction lifter.
- 10. Disconnect the connector for the regulator assembly.
- 11. Remove the regulator mounting bolts, and remove the regulator from the door panel.



INSTALLATION

Install in the reverse order of removal.

Disassembly and Assembly

INFOID:0000000001832821

DISASSEMBLY

Remove power window motor from regulator assembly.

ASSEMBLY

Assemble in the reverse order of disassembly.

Inspection and Adjustment

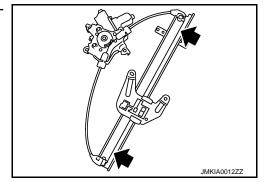
INFOID:0000000001832822

Inspection after Removal

Check the regulator assembly for the following items. If a malfunction is detected, replace or grease it.

- Gear wear
- Regulator deformation
- Grease condition for each sliding part

The arrows in the figure show the application points of the multi-purpose grease.



SYSTEM INITIALIZATION OF THE ANTI-PINCH SYSTEM

If any of the following work has been done, initialize the system.

 Electric power sauce to power window switch or motor is interrupted by broken fuse or disconnecting battery cable, etc.

GW

Α

В

D

Е

Н

۷۷۶

M

Ν

0

Р

REAR REGULATOR

< REMOVAL AND INSTALLATION >

- Removal and installation of the regulator assembly.
- Removal and installation of the motor from the regulator assembly.
- Removal and installation of the harness connector of the power window switch.
- Operation of the regulator assembly as a unit.
- Removal and installation of the door glass.
- · Removal and installation of the door glass run.

Initialization

After installing each component to the vehicle, follow the steps below.

- Disconnect the minus terminal of battery or disconnect power window switch harness connector temporarily, then reconnect after at least 1 minute.
- 2. Turn ignition switch ON.
- 3. Open the window to its full width by operating the power window switch. (Exclude this procedure if the window is already fully opened)
- 4. Fully draw the power window switch in the up direction (auto close position) and hold, continue holding the switch even when window is completely closed and then release after 3 seconds have passed.
- 5. Inspection of the anti-pinch system function.

NOTE:

Initialization may be cancelled with continuous opening and closing operation. In this case, initialize the system.

INSPECT THE FUNCTION OF THE ANTI-PINCH SYSTEM

- Fully open the door glass.
- 2. Place a wooden piece (wooden hammer handle, etc.) at near fully closed position.
- 3. Perform out fully closing operation with auto up switch.
- Check that the glass reverses without pinching the wooden piece, is lowered approximately 150 mm (5.91 in) or for 2 seconds and then stops.
- The glass should not be raised with power window main switch operated while it is reversing or lowering.

CAUTION:

- Be careful not to be pinched.
- Check that the auto up function is normal before inspection following the system initialization.

FITTING INSPECTION

- Check that the glass is securely fit into the glass run groove.
- Lower the glass slightly [approximately 10 to 20 mm (0.39 to 0.79 in)], and check that the clearance to the sash is parallel. If the clearance between the glass and sash is not parallel, loosen the regulator mounting bolts, guide rail mounting bolts, and glass and carrier plate mounting bolts to correct the glass position.