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# **CONTENTS**

REGULAR GRADE	REMOVAL AND INSTALLATION13
SYMPTOM DIAGNOSIS3	FRONT BUMPER13
SQUEAK AND RATTLE TROUBLE DIAG- NOSES3	Exploded View13 Removal and Installation14
Work Flow3	REAR BUMPER16
Inspection Procedure5  Diagnostic Worksheet7	Exploded View16 Removal and Installation17
PRECAUTION9	FRONT SPOILER20
PRECAUTIONS9	Exploded View20 Removal and Installation20
FOR USA AND CANADA9	COWL TOP22
FOR USA AND CANADA: Precaution for Supplemental Restraint System (SRS) "AIR BAG" and	Exploded View22 Removal and Installation22
"SEAT BELT PRE-TENSIONER"9	
FOR USA AND CANADA: Precaution for Procedure without Cowl Top Cover9	FENDER PROTECTOR25
FOR USA AND CANADA: Precaution for Battery	FENDER PROTECTOR25 FENDER PROTECTOR : Exploded View25
Service9 FOR USA AND CANADA: Precautions For Xenon	FENDER PROTECTOR: Removal and Installation
Headlamp Service	SILL COVER27
FOR MEXICO10	Exploded View27
FOR MEXICO : Precaution for Supplemental Re-	Removal and Installation27
straint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"10	FLOOR SIDE FAIRING29
FOR MEXICO: Precaution for Procedure without	ENGINE UNDER COVER29
Cowl Top Cover	ENGINE UNDER COVER: Exploded View29 ENGINE UNDER COVER: Removal and Installa-
FOR MEXICO: Precautions For Xenon Headlamp Service11	tion29
FOR MEXICO : Precaution for Work11	FLOOR UNDER COVER29 FLOOR UNDER COVER : Exploded View30
PREPARATION12	FLOOR UNDER COVER : Exploded view
PREPARATION12	
Special Service Tools	DOOR OUTSIDE MOLDING32 Exploded View 32
LOMMATCIAL SATURA LOGIS 19	LANIQUEU VIEW

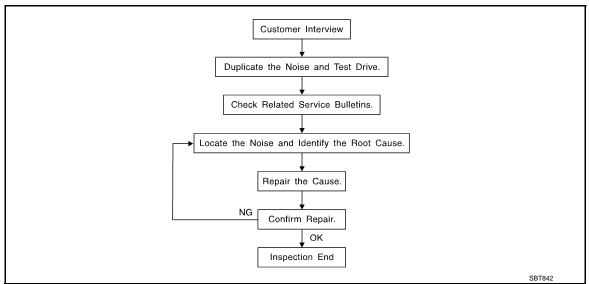
Removal and Installation 32	Door Finisher	47
FRONT PILLAR FINISHER34 FRONT PILLAR FINISHER (COUPE)	nismo EMBLEM	
FRONT PILLAR FINISHER (Coupe): Exploded View	BACK DOOR	49
and Installation	REMOVAL AND INSTALLATION	50
FRONT PILLAR FINISHER (ROADSTER)	FRONT BUMPER ASSEMBLY  Exploded View  Removal and Installation  Disassembly and Assembly	50 51
and Installation       37         REAR SPOILER       41         Exploded View       41         Removal and Installation       41	Exploded ViewRemoval and Installation	53
Nismo 370Z	REAR BUMPER WITH AERODYNAMIC DIF	
SPEC CHANGE INFORMATION43	Exploded View	54
FRONT BUMPER WITH AERODYNAMIC	Removal and Installation  Disassembly and Assembly	
SPLITTER43 Paint and Adhesive Tape43	SIDE SILL EXTENSIONS	
Paint and Adhesive Tape43  REAR BUMPER WITH AERODYNAMIC DIF-	SIDE SILL EXTENSIONS  Exploded View  Removal and Installation	58 58
Paint and Adhesive Tape43	SIDE SILL EXTENSIONS	58 58 <b>59</b>
Paint and Adhesive Tape	SIDE SILL EXTENSIONS  Exploded View  Removal and Installation  FRONT UNDER COVER	58 58 <b>59</b>
Paint and Adhesive Tape	SIDE SILL EXTENSIONS	58 58 <b>59</b> 59
Paint and Adhesive Tape	SIDE SILL EXTENSIONS  Exploded View Removal and Installation  FRONT UNDER COVER Exploded View Removal and Installation  REAR SPOILER Exploded View Removal and Installation	58 59 59 60 60
Paint and Adhesive Tape       43         REAR BUMPER WITH AERODYNAMIC DIF-       44         Puser       44         Paint and Adhesive Tape       45         Paint and Adhesive Tape       45         REAR SPOILER       46	SIDE SILL EXTENSIONS  Exploded View Removal and Installation  FRONT UNDER COVER Exploded View Removal and Installation  REAR SPOILER Exploded View	58 59 59 60 60

[REGULAR GRADE]

# SYMPTOM DIAGNOSIS

# SQUEAK AND RATTLE TROUBLE DIAGNOSES

Work Flow



#### **CUSTOMER INTERVIEW**

Interview the customer if possible, to determine the conditions that exist when the noise occurs. Use the Diagnostic Worksheet during the interview to document the facts and conditions when the noise occurs and any of customer's comments; refer to <a href="EXT-7">EXT-7</a>, "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

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#### < SYMPTOM DIAGNOSIS >

[REGULAR GRADE]

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 EXT-5, "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-50397) is available through the authorized Nissan Parts Department.

#### **CAUTION:**

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

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

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

URETHANE PADS [1.5 mm (0.059 in) thick]

Insulates connectors, harness, etc.

76268-9E005: 100  $\times$  135 mm (3.94  $\times$  5.31 in)/76884-71L01: 60  $\times$  85 mm (2.36  $\times$  3.35 in)/76884-71L02:15  $\times$  25 mm (0.59  $\times$  0.98 in)

INSULATOR (Foam blocks)

Insulates components from contact. Can be used to fill space behind a panel.

73982-9E000: 45 mm (1.77 in) thick,  $50 \times 50$  mm (1.97  $\times$  1.97 in)/73982-

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

INSULATOR (Light foam block)

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

FELT CLOTHTAPE

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

SQUEAK AND RATTLE TROUBLE DIAGNOSES < SYMPTOM DIAGNOSIS > [REGULAR GRADE]	
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	А
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.	В
DUCT TAPE	С
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.	D
Inspection Procedure	Е
Refer to Table of Contents for specific component removal and installation information.	_
INSTRUMENT PANEL	
Most incidents are caused by contact and movement between:	F
The cluster lid A and instrument panel	
Acrylic lens and combination meter housing	G
3. Instrument panel to front pillar garnish	
4. Instrument panel to windshield	
5. Instrument panel mounting pins	Н
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	ı
wiring harness. CAUTION:	J
Never use silicone spray to isolate a squeak or rattle. If the area is saturated with silicone, the	
recheck of repair becomes impossible.	EXT
CENTER CONSOLE	
Components to pay attention to include:	
Shifter assembly cover to finisher	L
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.	M
DOORS	
Pay attention to the following:	Ν
Finisher and inner panel making a slapping noise	14
Inside handle escutcheon to door finisher	
3. Wiring harnesses tapping	0
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 Squark and Rattle Kit (1-50397) to repair the poise.	Р

#### **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:

Trunk lid dumpers out of adjustment

the Nissan Squeak and Rattle Kit (J-50397) to repair the noise.

Trunk lid striker out of adjustment

EXT-5 Revision: 2013 May 2014 370Z

# < SYMPTOM DIAGNOSIS >

[REGULAR GRADE]

- 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 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:

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

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

< SYMPTOM DIAGNOSIS >

[REGULAR GRADE]

**Diagnostic Worksheet** 

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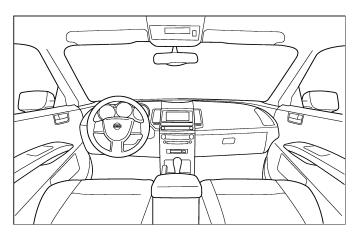


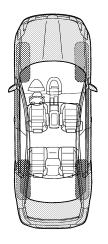
# SQUEAK & RATTLE DIAGNOSTIC WORKSHEET

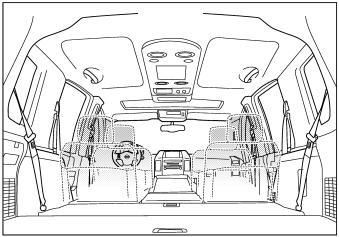
#### Dear Nissan Customer:

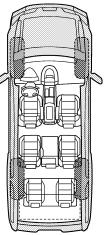
We are concerned about your satisfaction with your Nissan vehicle. Repairing a squeak or rattle sometimes can be very difficult. To help us fix your Nissan right the first time, please take a moment to note the area of the vehicle where the squeak or rattle occurs and under what conditions. You may be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

I. WHERE DOES THE NOISE COME FROM? (circle the area of the vehicle)
The illustrations are for reference only, and may not reflect the actual configuration of your vehicle.









Continue to page 2 of the worksheet and briefly describe the location of the noise or rattle. In addition, please indicate the conditions which are present when the noise occurs.

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Revision: 2013 May **EXT-7** 2014 370Z

	oise occurs:			
II. WHEN DOES IT OCCUR? (please cl	heck the box	es that ap	ply)	
<ul><li>□ anytime</li><li>□ 1st time in the morning</li><li>□ only when it is cold outside</li><li>□ only when it is hot outside</li></ul>	☐ whe	n it is rain or dusty co	it in the ra ing or wel onditions	
III. WHEN DRIVING:	IV. WH	AT TYPE	OF NOIS	E
<ul> <li>□ through driveways</li> <li>□ over rough roads</li> <li>□ over speed bumps</li> <li>□ only about mph</li> <li>□ on acceleration</li> <li>□ coming to a stop</li> <li>□ on turns: left, right or either (circle)</li> <li>□ with passengers or cargo</li> <li>□ other:</li> <li>□ after driving miles or m</li> </ul>	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 DEALERSHI	P PERSONI	NEL		
Test Drive Notes:				
		YES	NO	Initials of person performing
Vehicle test driven with customer				
<ul> <li>Noise verified on test drive</li> <li>Noise source located and repaired</li> <li>Follow up test drive performed to confi</li> </ul>	irm repair			

This form must be attached to Work Order

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< PRECAUTION > [REGULAR GRADE]

# **PRECAUTION**

# PRECAUTIONS FOR USA AND CANADA

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

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

#### **WARNING:**

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

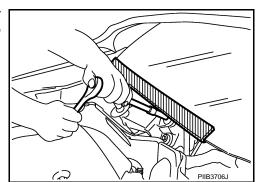
#### **WARNING:**

Always observe the following items for preventing accidental activation.

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

FOR USA AND CANADA: Precaution for Procedure without Cowl Top Cover

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



# FOR USA AND CANADA: Precaution for Battery Service

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.

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#### **PRECAUTIONS**

< PRECAUTION > [REGULAR GRADE]

# FOR USA AND CANADA: Precautions For Xenon Headlamp Service

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#### **WARNING:**

Comply with the following warnings to prevent any serious accident.

- Disconnect the battery cable (negative terminal) or the power supply fuse before installing, removing, or touching the xenon headlamp (bulb included). The xenon headlamp contains high-voltage generated parts.
- Never work with wet hands.
- Check the xenon headlamp ON-OFF status after assembling it to the vehicle. Never turn the xenon headlamp ON in other conditions. Connect the power supply to the vehicle-side connector. (Turning it ON outside the lamp case may cause fire or visual impairments.)
- Never touch the bulb glass immediately after turning it OFF. It is extremely hot.

#### CAUTION:

Comply with the following cautions to prevent any error and malfunction.

- Install the xenon bulb securely. (Insufficient bulb socket installation may melt the bulb, the connector, the housing, etc. by high-voltage leakage or corona discharge.)
- Never perform HID circuit inspection with a tester.
- · Never touch the xenon bulb glass with hands. Never put oil and grease on it.
- Dispose of the used xenon bulb after packing it in thick vinyl without breaking it.
- Never wipe out dirt and contamination with organic solvent (thinner, gasoline, etc.).

#### FOR USA AND CANADA: Precaution for Work

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- After removing and installing the opening/closing parts, be sure to carry out fitting adjustments to check their operation.
- Check the lubrication level, damage, and wear of each part. If necessary, grease or replace it.

#### FOR MEXICO

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

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the "SRS AIR BAG" and "SEAT BELT" of this Service Manual.

#### **WARNING:**

Always observe the following items for preventing accidental activation.

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision that would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see "SRS AIR BAG".
- Never use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

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

#### **WARNING:**

Always observe the following items for preventing accidental activation.

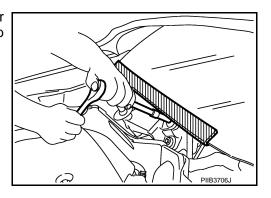
- When working near the Air Bag Diagnosis Sensor Unit or other Air Bag System sensors with the
  ignition ON or engine running, never use air or electric power tools or strike near the sensor(s) with
  a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing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

#### **PRECAUTIONS**

< PRECAUTION > [REGULAR GRADE]

# FOR MEXICO: Precaution for Procedure without Cowl Top Cover

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



# FOR MEXICO: Precaution for Battery Service

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.

FOR MEXICO: Precautions For Xenon Headlamp Service

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#### **WARNING:**

Comply with the following warnings to prevent any serious accident.

- Disconnect the battery cable (negative terminal) or the power supply fuse before installing, removing, or touching the xenon headlamp (bulb included). The xenon headlamp contains high-voltage generated parts.
- Never work with wet hands.
- Check the xenon headlamp ON-OFF status after assembling it to the vehicle. Never turn the xenon headlamp ON in other conditions. Connect the power supply to the vehicle-side connector. (Turning it ON outside the lamp case may cause fire or visual impairments.)
- Never touch the bulb glass immediately after turning it OFF. It is extremely hot.

#### CAUTION:

Comply with the following cautions to prevent any error and malfunction.

- Install the xenon bulb securely. (Insufficient bulb socket installation may melt the bulb, the connector, the housing, etc. by high-voltage leakage or corona discharge.)
- Never perform HID circuit inspection with a tester.
- Never touch the xenon bulb glass with hands. Never put oil and grease on it.
- Dispose of the used xenon bulb after packing it in thick vinyl without breaking it.
- Never wipe out dirt and contamination with organic solvent (thinner, gasoline, etc.).

#### FOR MEXICO: Precaution for Work

INFOID:0000000009359634

- After removing and installing the opening/closing parts, be sure to carry out fitting adjustments to check their operation.
- Check the lubrication level, damage, and wear of each part. If necessary, grease or replace it.

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Revision: 2013 May **EXT-11** 2014 370Z

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# **PREPARATION**

# **PREPARATION**

# Special Service Tools

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

To (Ken To	Description	
(J-39570) Chassis ear	SIIAO993E	Locates the noise
(J-50397) NISSAN Squeak and Rattle Kit	SIIA0994E	Repairs the cause of noise

# Commercial Service Tools

INFOID:0000000009359636

	Tool name	Description
Engine ear	SIIA0995E	Locates the noise
Remover tool	JMKIA3050ZZ	Removes clips, pawls and metal clips
Power tool	PIIB1407E	Loosening bolts, nuts and screws

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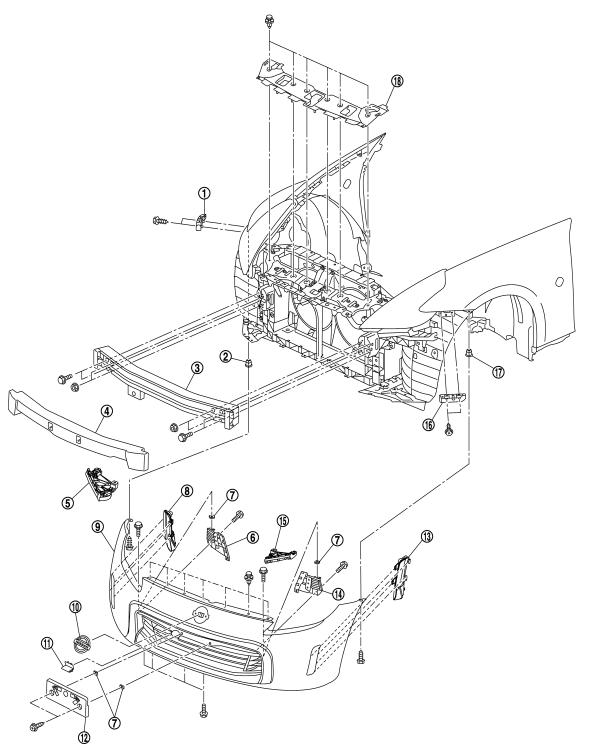
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# **REMOVAL AND INSTALLATION**

# FRONT BUMPER

Exploded View

SEC. 620



JSKIA2782ZZ

## **FRONT BUMPER**

#### < REMOVAL AND INSTALLATION >

#### [REGULAR GRADE]

1. Bumper side bracket RH 2. Bumper side grommet RH 3. Bumper reinforcement 4. Energy absorber Bumper sight shield RH 5. Clip front bumper RH 6. 7. Spring nut 8. Day time running lamp assembly RH 9. Bumper fascia assembly 10. Front emblem 11. Bumper finisher 12. License plate bracket 13. Day time running lamp assembly LH 14. Bumper sight shield LH 15. Clip front bumper LH 16. Bumper side bracket LH Bumper side grommet LH 18. Bumper center upper finisher

# Removal and Installation

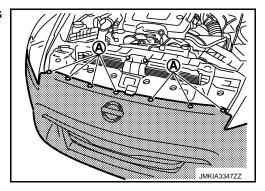
INFOID:0000000009359638

#### REMOVAL

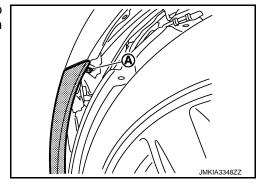
#### **CAUTION:**

Bumper fascia is made of resin. Never apply strong force to it, and be careful to prevent contact with oil.

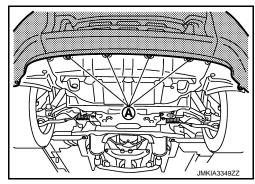
- 1. Fully open hood assembly.
- 2. Remove front bumper fascia assembly upper side fixing clips (A).



 Remove fender protector (front) fixing clips and screws to access bumper fascia assembly fixing screw (A), and then remove bumper fascia fixing screws (LH/RH).



4. Remove bumper fascia assembly fixing bolts (A) from bumper fascia assembly lower side.



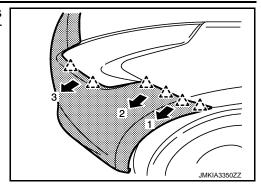
## **FRONT BUMPER**

#### < REMOVAL AND INSTALLATION >

[REGULAR GRADE]

 Pull bumper fascia assembly side toward the vehicle side as shown by the arrow in the figure, and then disengage bumper fascia assembly from bumper side brackets (LH/RH).





- 6. Disconnect the day time running lamp harness connector.
- 7. Remove bumper fascia assembly.

#### **CAUTION:**

When removing bumper fascia, 2 workers are required so as to prevent it from dropping.

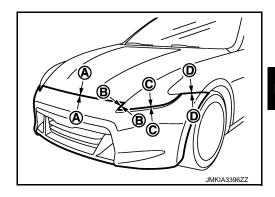
- 8. Remove the following parts after removing bumper fascia.
  - Bumper sight shields (LH/RH)
  - Bumper finisher
  - Bumper side brackets (LH/RH)
  - Front spoiler. Refer to <u>EXT-20</u>, "Removal and Installation".
  - License plate bracket
  - Day time running lamps (LH/RH). Refer to EXL-111, "Removal and Installation".
- 9. Remove bumper energy absorber.
- 10. Remove bumper reinforcement mounting nuts and bolts, and then remove bumper reinforcement with power tool.

#### **INSTALLATION**

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

#### NOTE:

After installing, perform fitting adjustment.



Portion		Clearance	Surface height difference
Front bumper – Hood	<b>A</b> – <b>A</b>	2.9 – 6.9 mm (0.114 – 0.272 in)	-1.0 - 3.0 mm (-0.039 - 0.118 in)
Front bumper – Front combination lamp	B-B	1.8 – 5.2 mm (0.071 – 0.205 in)	_
Front bumper – Front combination lamp	C-C	0.0 – 3.0 mm (0.000 – 0.118 in)	_
Front bumper – Front fender	D – D	0.0 – 0.8 mm (0.000 – 0.031 in)	-0.25 - 1.75 mm (-0.010 - 0.069 in)

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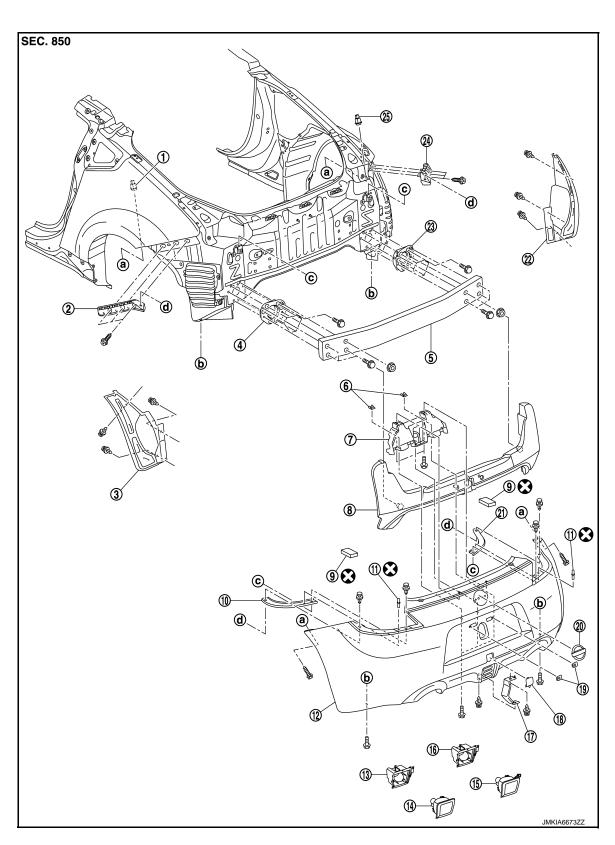
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# **REAR BUMPER**

Exploded View



- 1. Bumper side grommet LH
- 4. Bumper stay LH
- 7. License plate lamp bracket
- 2. Bumper side bracket LH
- 5. Bumper reinforcement
- 8. Energy absorber

- 3. Bumper closing LH
- 6. Spring nut
- 9. Bumper spacer

## **REAR BUMPER**

#### < REMOVAL AND INSTALLATION >

#### [REGULAR GRADE]

- 10. Bumper brace LH
- 11. Rivet

12. Bumper fascia assembly

- 13. Reflex reflector bracket 16. Rear fog lamp bracket
- 15. Rear fog lamp 14. Reflex reflector

19. U-nut

17. Bumper lower retainer 18. Bumper cover

- 20. Rear emblem 23. Bumper stay RH
- 21. Bumper brace RH

22. Bumper closing RH

24. Bumper side bracket RH

25. Bumper side grommet RH

: Always replace after every disassembly.

#### Removal and Installation

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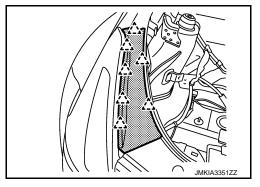
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#### **REMOVAL**

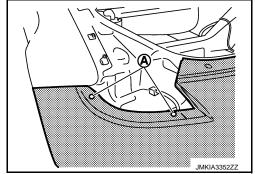
#### **CAUTION:**

Bumper fascia is made of resin. Never apply strong force to it, and be careful to prevent contact with oil.

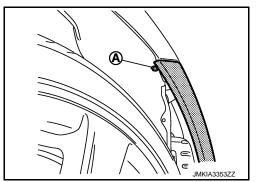
- 1. Fully open back door.
- Remove rear combination lamp finishers (LH/RH).
  - \_\_\_\_\_\_: Pawl



- Remove rear combination lamps (LH/RH). Refer to EXL-116, "Removal and Installation".
- Remove clips (A) (LH/RH) located under rear combination lamps (LH/RH).



- Remove bumper closings (LH/RH). 5.
- Remove bumper fascia assembly fixing screws (A) (LH/RH).



Remove bumper fascia assembly fixing clip and screws from bumper fascia assembly lower side.

**EXT-17** Revision: 2013 May 2014 370Z

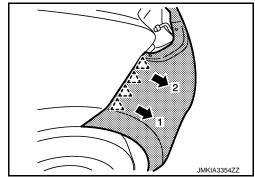
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8. Pull bumper fascia assembly toward the vehicle out side as shown by the arrows in the figure, and then disengage the bumper fascia assembly from bumper side brackets (LH/RH).

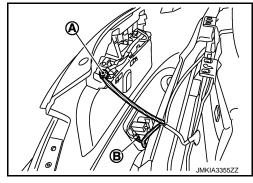




9. Remove bumper fascia assembly, after disconnect license lamp bracket assembly harness connector (A) and rear fog lamp harness connector (B) (If equipped).

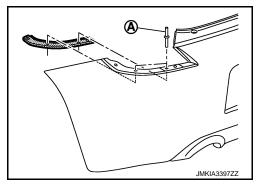
#### **CAUTION:**

When removing bumper fascia, 2 workers are required so as to prevent it from dropping and severing harness connectors.



- 10. Remove the following parts after removing bumper fascia assembly.
  - License lamp bracket
  - Back view camera (If equipped)
  - Rear fog lamp. Refer to EXL-121, "Removal and Installation".
  - Reflector (If equipped)
  - · Bumper cover
  - Drafter ducts (LH/RH)
  - Drafter guards (LH/RH)
  - Bumper side bracket (LH/RH)
  - Bumper spacers
  - Bumper brace (LH/RH)

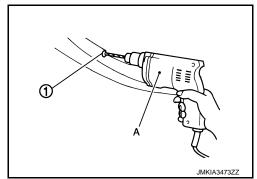
Remove the rivets (A), and then remove the bumper brace from the bumper fascia assembly.



#### NOTE:

Removal of rivet.

Grind the head of rivet (1) with a drill (A) [bit of  $4.0 - \phi 4.5$  mm  $(0.157 - \phi 0.177 \text{ in})]$  and then remove the bumper brace.



- 11. Remove bumper energy absorber.
- 12. Remove bumper reinforcement mounting nuts and bolts, and then remove bumper reinforcement.
- 13. Remove bumper stay mounting bolts, and then remove bumper stays (LH/RH).

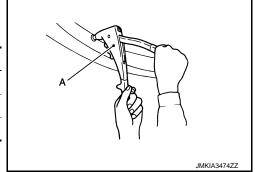
#### **INSTALLATION**

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

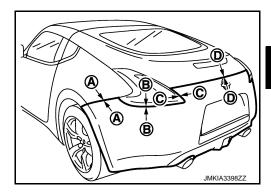
#### NOTE:

• Securely crimp the bumper brace with the bumper fascia assembly with a hand riveter (A).

Bumper brace			
Crimping thickness : 1.2 – 6.4 mm (0.047 – 0.252 in)			
Prepared hole diameter	: 4.1 − <b>\$4.4 mm(0.161 − \$0.173 in)</b>		
Used rivet head diameter	: φ12.0 mm (φ0.472 in)		



After installing, perform fitting adjustment.



Portion		Clearance	Surface height difference
Rear bumper – Rear fender	<b>A</b> – <b>A</b>	0.0 – 0.8 mm (0.000 – 0.031 in)	-0.2 - 1.8 mm (-0.008 - 0.071 in)
Rear bumper – Rear combination lamp	B – B	0.0 – 3.0 mm (0.000 – 0.118 in)	_
Rear bumper – Rear combination lamp	C – C	3.5 – 6.5 mm (0.138 – 0.256 in)	_
Rear bumper – Back door (COUPE models)	D – D	3.0 – 7.0 mm (0.118 – 0.276 in)	-1.0 - 3.0 mm (-0.039 - 0.118 in)
Rear bumper – Trunk lid (ROADSTER models)	D – D	3.0 – 7.0 mm (0.118 – 0.276 in)	-1.0 - 3.0 mm (-0.039 - 0.118 in)

Revision: 2013 May **EXT-19** 2014 370Z

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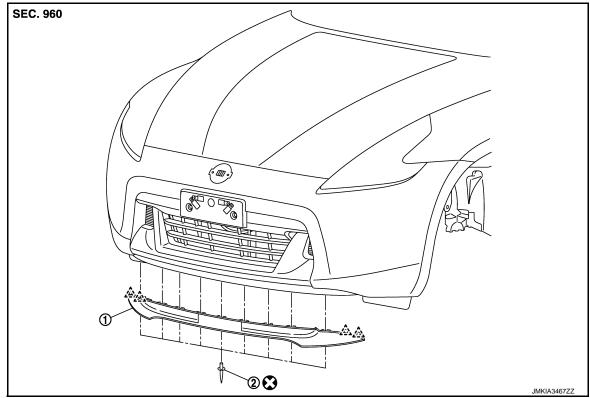
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# FRONT SPOILER

# **Exploded View**

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1. Front spoiler assembly

2. Rivet

\_\_\_`: Pawl

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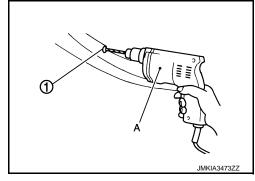
: Always replace after every disassembly.

## Removal and Installation

INFOID:0000000009359642

#### **REMOVAL**

- 1. Lift up the vehicle.
- 2. Grind the head of rivet (1) with a drill (A) [bit of  $4.0 \phi 5.0$ mm  $(0.157 \phi 0.197 \text{ in})]$  and remove the front spoiler.



#### **INSTALLATION**

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

#### NOTE:

Installation of rivet.

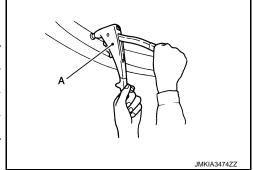
# **FRONT SPOILER**

# < REMOVAL AND INSTALLATION >

# [REGULAR GRADE]

Securely crimp the front spoiler with the bumper fascia assembly with a hand riveter (A).

Front spoiler				
Crimping thickness	: 0.5 – 6.4 mm (0.020 – 0.252 in)			
Prepared hole diameter	: 5.1 – φ5.3 mm(0.201 – φ0.209 in)			
Used rivet head diameter	: φ15.0 mm (φ0.591 in)			



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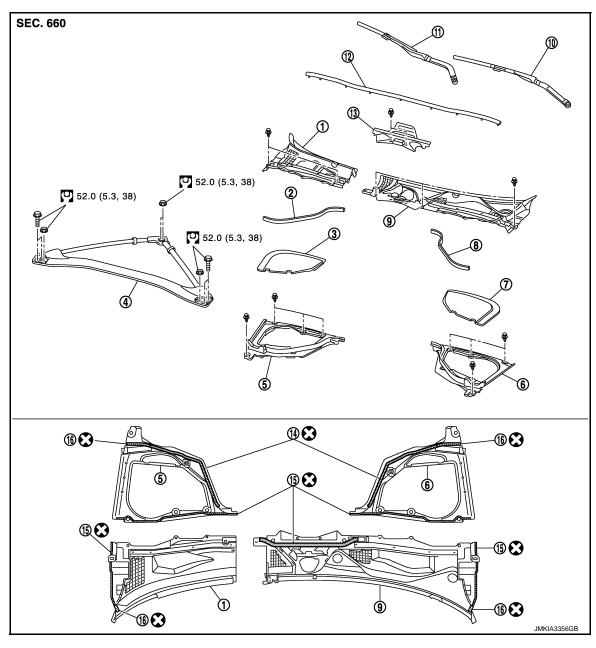
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#### [REGULAR GRADE]

# **COWL TOP**

Exploded View



- Cowl top cover RH
- 4. Front tower bar assembly
- 7. Brake master cylinder cover
- 10. Wiper arm and blade LH
- 13. Cowl top cover center
- 16. EPT sealer [t: 10.0 mm (0.394 in)]
- : N·m (kg-m, ft-lb)
- : Always replace after every disassembly.

- 2. Cowl top cover seal RH
- 5. Hoodledge cover RH
- 8. Cowl top cover seal LH
- 11. Wiper arm and blade RH
- 14. EPT sealer [t: 5.0 mm (0.197 in)]
- 3. Battery cover
- 6. Hoodledge cover LH
- 9. Cowl top cover LH
- 12. Cowl top cover seal
- 15. EPT sealer [t:3.0 mm (0.118 in)]

# Removal and Installation

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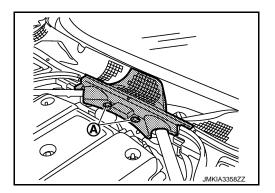
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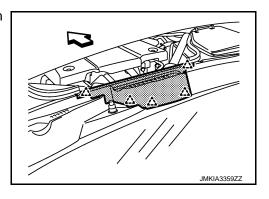
- 1. Fully open hood assembly.
- 2. Remove battery cover and brake master cylinder cover.
- 3. Remove hoodledge covers (LH/RH) fixing clips, and then remove hoodledge covers.
- 4. Remove front wiper arms and blades (LH/RH). Refer to <a href="https://www.48."/www.48."/www.and Installation"</a>.
- 5. Remove cowl top cover seal.
- 6. Remove cowl top cover center.
  - 1. Remove cowl top cover center fixing clips (A).



2. Disengage cowl top cover center fixing pawls, and then remove cowl top cover center.

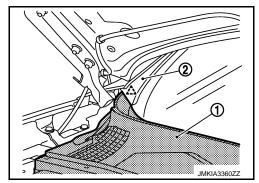
\_\_\_`: Pawl

: Vehicle front

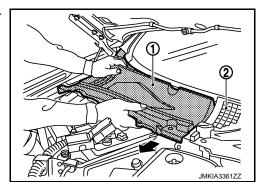


- 7. Remove front tower bar assembly.
- 8. Remove cowl top cover RH.
  - 1. Remove cowl top cover RH fixing clips.
  - Disengage cowl top cover RH (1) and front pillar finisher (2) fixing pawl.





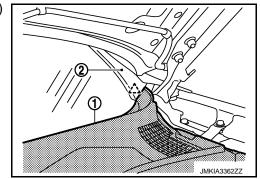
3. Pull cowl top cover RH toward arrow direction, and then disengage cowl top cover RH (1) and cowl top cover LH (2).



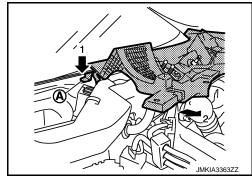
9. Remove cowl top cover LH.

Disengage cowl top cover LH (1) and front pillar finisher (2) fixing pawl.





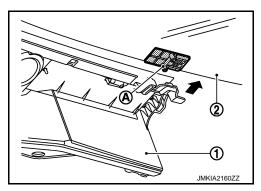
2. Press pawl (A) and pull cowl top cover LH toward vehicle front as shown by the arrow in the figure, and then remove cowl top cover LH.



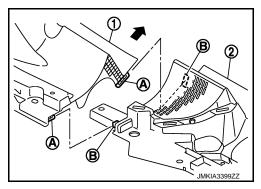
#### **INSTALLATION**

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

 Align concave of cowl top cover LH (1) to windshield glass (2) pin (A) as shown in the figure when installing.



• Slide cowl top cover RH (1) toward the arrow direction to engage pawls (A) into concave part (B) of cowl top cover LH (2).



#### **CAUTION:**

- Always replace EPT sealers with a new one, if the cowl top cover is reused.
- After installing, perform adjustment of wiper arm. Refer to <u>WW-48, "Adjustment"</u>.

# FENDER PROTECTOR FENDER PROTECTOR

FENDER PROTECTOR: Exploded View

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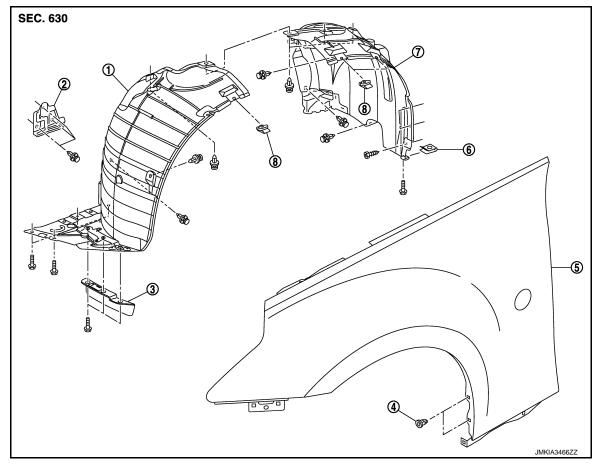
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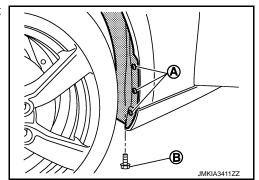
- 1. Fender protector (front)
- 4. Grommet
- 7. Fender protector (rear)
- 2. Splash guard
- 5. Front fender
- 8. Fender clip

- . Air guide
- 6. J-nut

# FENDER PROTECTOR: Removal and Installation

#### **REMOVAL**

- 1. Remove front road wheel.
- 2. Remove splash guard.
- Remove fender protectors (rear side) fixing screws (A) and bolt (B).



4. Remove fender protector (rear) fixing clips, and then remove fender protector (rear).

Revision: 2013 May **EXT-25** 2014 370Z

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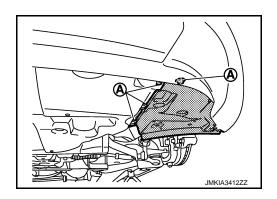
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# **FENDER PROTECTOR**

## < REMOVAL AND INSTALLATION >

[REGULAR GRADE]

- 5. Remove air guide.
- 6. Remove fender protector (front) fixing bolts (A).



- 7. Remove fender protector (front) fixing clips, and then remove fender protector (front).
- 8. Remove the following parts after removing fender protector.
  - Fender clips
  - J-nut

# **INSTALLATION**

Install in the reverse order of removal.

# [REGULAR GRADE]

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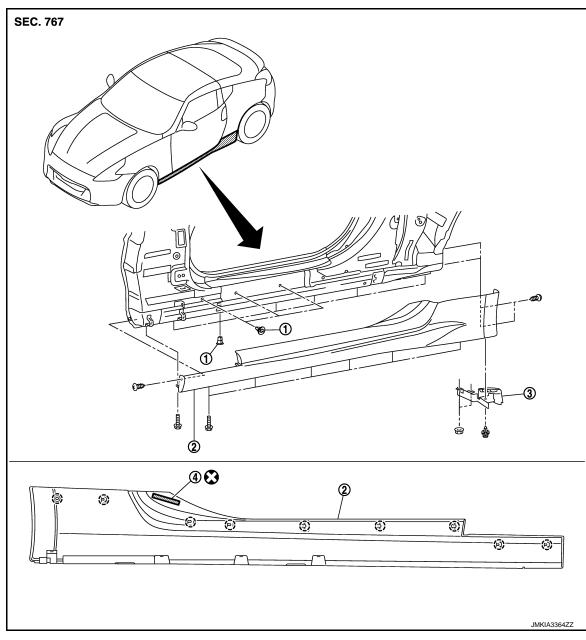
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# SILL COVER

**Exploded View** INFOID:0000000009359647



- 1. Grommet
- Double-faced adhesive tape [t: 2.5 mm (0.098 in)]
- ( ) : Clip
- : Always replace after every disassembly.

# Removal and Installation

**REMOVAL** 

3. Wind deflector

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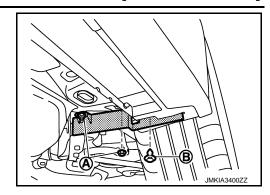
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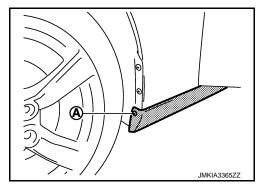
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2. Center mud guard

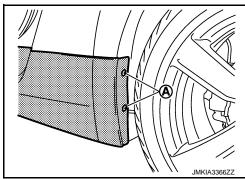
Remove nuts (A) and clip (B) and then remove wind deflector.



Remove center mud guard front end fixing screw (A).



Remove center mud guard rear end fixing screws (A).



- 4. Remove center mud guard fixing screws from center mud guard lower side.
- 5. Fully open front door.
- 6. Remove clips from center mud guard back side with a remover tool (A).



#### **CAUTION:**

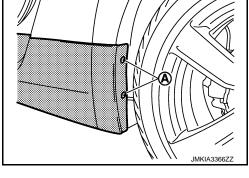
- Apply protective tape (B) on the body to protect the painted surface from damage.
- Never use an item as a remover tool that could damage body panel.
- Disengage the clips slowly and carefully.
- Never pull the center mud guard strongly.
- 7. Remove center mud guard from body side.

### INSTALLATION

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

#### **CAUTION:**

- Visually check the clips for deformation and damage during installation. Replace with new ones if
- When installing center mud guard, check that clips are securely fitted in body panel holes, and then press them in.



[REGULAR GRADE]

# FLOOR SIDE FAIRING ENGINE UNDER COVER

**ENGINE UNDER COVER: Exploded View** 

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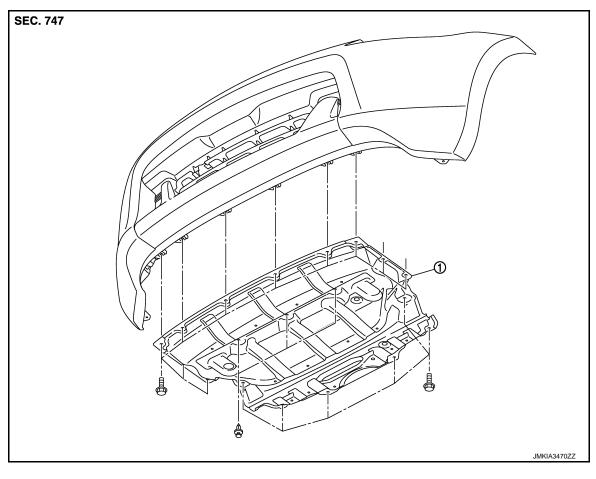
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1. Floor under cover

# ENGINE UNDER COVER: Removal and Installation

**REMOVAL** 

1. Lift up the vehicle.

2. Remove front under cover fixing clips and bolts.

3. Remove front under cover.

**CAUTION:** 

When removing engine under cover, 2 workers are required so as to prevent it from dropping.

**INSTALLATION** 

Install in the reverse order of removal.

FLOOR UNDER COVER

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Revision: 2013 May **EXT-29** 2014 370Z

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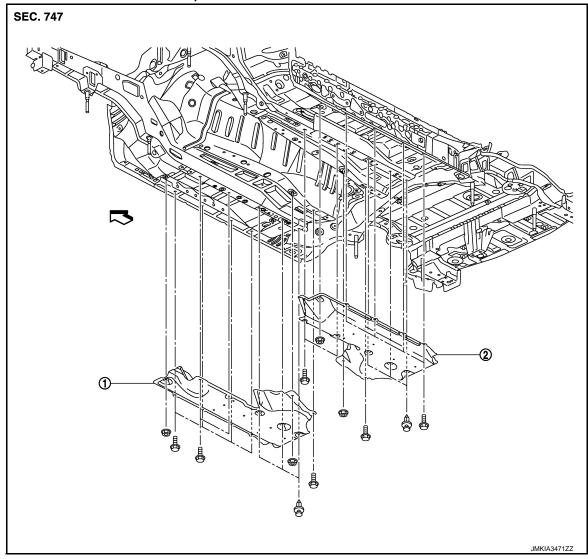
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# FLOOR UNDER COVER: Exploded View

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1. Floor under cover RH

2. Floor under cover LH

## FLOOR UNDER COVER: Removal and Installation

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#### **REMOVAL**

#### FLOOR UNDER COVER LH

- 1. Lift up the vehicle.
- 2. Remove floor under cover LH mounting bolts, nuts and clips.
- 3. Remove floor under cover LH.

#### **CAUTION:**

When removing floor under cover LH, 2 workers are required so as to prevent it from dropping.

### FLOOR UNDER COVER RH

- 1. Lift up the vehicle.
- 2. Remove floor under cover RH mounting bolts, nuts, and clips.
- 3. Remove floor under cover RH.

#### **CAUTION:**

When removing floor under cover RH, 2 workers are required so as to prevent it from dropping.

#### INSTALLATION

# **FLOOR SIDE FAIRING**

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< REMOVAL AND INSTALLATION :	>

[REGULAR GRADE]

Install in the reverse order of removal.

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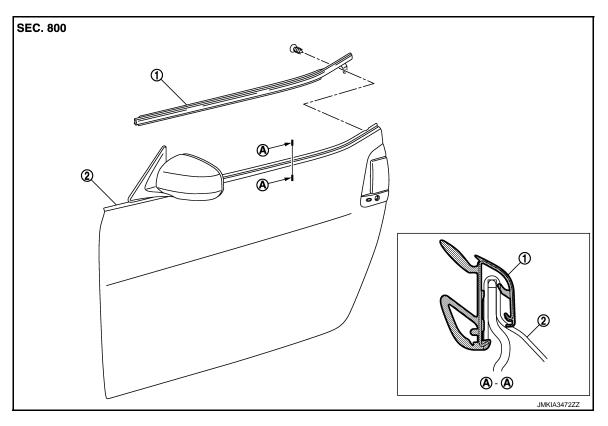
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# DOOR OUTSIDE MOLDING

Exploded View

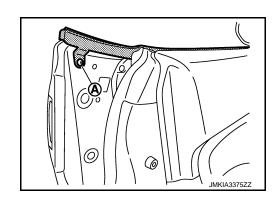


- 1. Front door outside molding
- 2. Front door panel

# Removal and Installation

## **REMOVAL**

- 1. Fully open door window.
- 2. Remove door outside molding fixing screw (A).



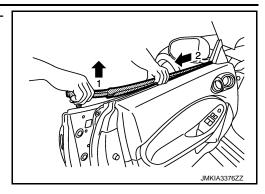
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# DOOR OUTSIDE MOLDING

## < REMOVAL AND INSTALLATION >

## [REGULAR GRADE]

3. Pull up door outside molding, and then slide door outside molding toward door rear side as shown by the arrow in the figure.



**INSTALLATION** 

Install in the reverse order of removal.

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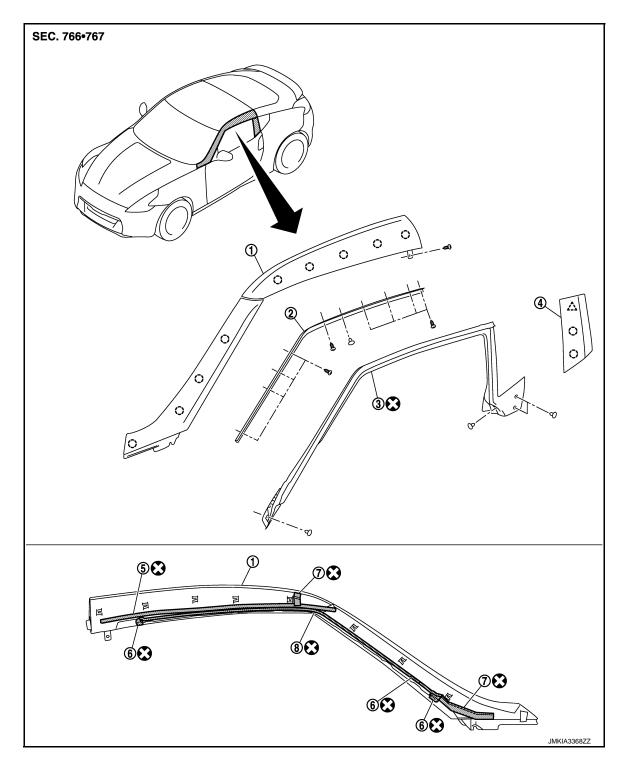
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# FRONT PILLAR FINISHER (Coupe)

FRONT PILLAR FINISHER (Coupe): Exploded View





- 1. Front pillar finisher
- Lock pillar finisher
- 7. EPT sealer [t:17.0 mm (0.669 in)]
- ( ) : Clip

- 2. Body side weather-strip retainer
- 5. EPT sealer [t:7.0 mm (0.276 in)]
- 8. EPT sealer [t:2.0 mm (0.079 in)]
- 3. Body side weather-strip
- 6. EPT sealer [t:3.0 mm (0.118 in)]

: Pawl

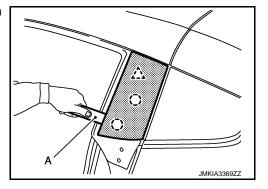
: Always replace after every disassembly.

# FRONT PILLAR FINISHER (Coupe): Removal and Installation

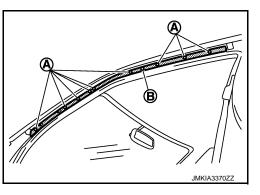
INFOID:0000000009359656

#### **REMOVAL**

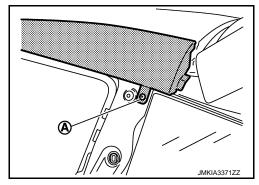
- Disengage clips and pawl with remover tool (A), and then remove lock pillar finisher.
  - ( ) : Clip \_^\_ : Pawl



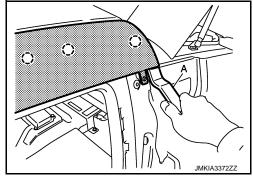
- 2. Remove body side weather-strip.
- Remove screws (A) and clip (B), and then remove body side weather-strip retainer.



Remove front pillar finisher fixing screw (A).



- Fully open back door.
- Disengage front pillar finisher fixing clips with remover tool (A).
  - ( ) : Clip



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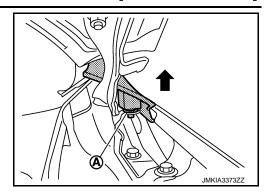
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## FRONT PILLAR FINISHER

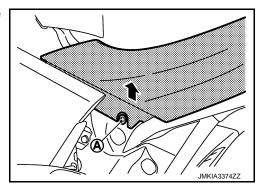
#### < REMOVAL AND INSTALLATION >

[REGULAR GRADE]

7. Disengage front pillar finisher fixing clip (A).



8. Pull up front pillar finisher to release portion (A) as shown by the arrow in the figure, and then remove front pillar finisher.



#### **INSTALLATION**

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

#### **CAUTION:**

- Visually check the clips for deformation and damage during installation. Replace with new ones if necessary.
- When installing front pillar finisher, check that clips are securely fitted in body panel holes, and press them it.

FRONT PILLAR FINISHER (Roadster)

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# FRONT PILLAR FINISHER (Roadster): Exploded View

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- Front roof cover
- Grommet
- 7. Body side weather-strip
- 10. EPT sealer [t:2.0 mm (0.079 in)]
- 13. EPT sealer [t:17.0 mm (0.669 in)]
- 16. EPT sealer [t:2.0 mm (0.079 in)]
- : Always replace after every disassembly.

Front side glass run assembly

ⅎ 🔂

- Front pillar finisher
- EPT sealer [t:3.0 mm (0.118 in)]
- 11. EPT sealer [t:3.0 mm (0.118 in)]
- 14. EPT sealer [t:5.0 mm (0.197 in)]
- 17. Butyl tape [t:1.0 mm (0.039 in)]

Front roof rail retainer

(15) (C)

Front side glass run assembly retain-

® ₩

(B) JMKIA4827ZZ

- EPT sealer [t:5.0 mm (0.197 in)]
- 12. EPT sealer [t:3.0 mm (0.118 in)]
- 15. Double faced adhesive tape [t:1.2 mm (0.047 in)]

# FRONT PILLAR FINISHER (Roadster): Removal and Installation

# REMOVAL AND INSTALLATION OF FRONT ROOF COVER

### Removal

Insert the remover tool between front roof cover and front roof rail, lift up the front roof cover, and then disengage the clips.

Installation

**EXT-37** Revision: 2013 May 2014 370Z

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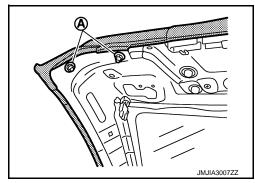
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Install in the reverse order of removal.

## REMOVAL AND INSTALLATION OF FRONT PILLAR FINISHER

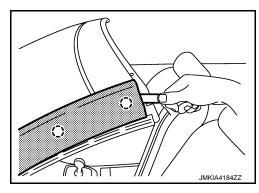
### Removal

- 1. Remove front pillar garnish. Refer to INT-51, "FRONT PILLAR GARNISH: Removal and Installation".
- 2. Remove fixing clips, and then remove front roof cover.
- 3. Remove front roof finisher. Refer to <a href="INT-71">INT-71</a>, "Removal and Installation".
- 4. Remove front side glass run assembly mounting nuts (A), and then remove front side glass run assembly.

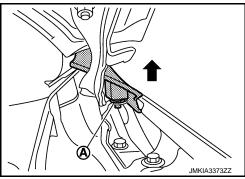


- Remove front side glass run assembly retainer mounting screws, and then remove body side weatherstrip retainer.
- 6. Remove front pillar finisher fixing clips with remover tool.

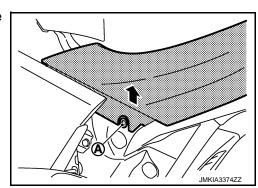
( ) : Clip



Disengage front pillar finisher fixing clip (A).



8. Pull up front pillar finisher to release portion (A) as shown by the arrow in the figure, and then remove front pillar finisher.



# FRONT PILLAR FINISHER

# < REMOVAL AND INSTALLATION >

[REGULAR GRADE]

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Installation

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

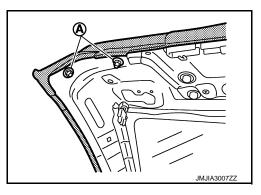
## **CAUTION:**

- Visually check the clips for deformation and damage during installation. Replace with new ones if necessary.
- When installing front pillar finisher, check that clips are securely fitted in body panel holes, and press them it.

## REMOVAL AND INSTALLATION OF FRONT SIDE GLASS RUN ASSEMBLY

### Removal

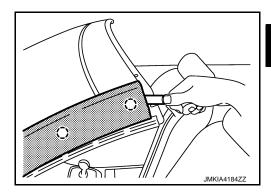
- 1. Remove front pillar garnish (LH/RH). Refer to <a href="INT-51">INT-51</a>, "FRONT PILLAR GARNISH: Removal and Installation".
- 2. Remove fixing clips, and then remove front roof cover.
- 3. Remove front roof finisher. Refer to INT-71, "Removal and Installation".
- Remove front side glass run assembly mounting nuts (A) (LH/RH).

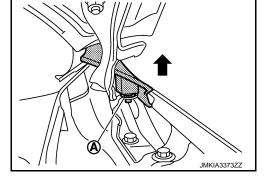


- 5. Remove front side glass run assembly retainer mounting screws, and then remove body side weatherstrip retainer.
- 6. Remove front pillar finisher fixing clips with remover tool.

( ) : Clip

7. Disengage front pillar finisher fixing clip (A).





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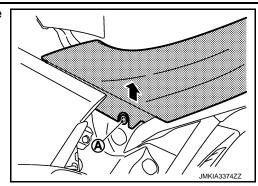
Revision: 2013 May **EXT-39** 2014 370Z

# FRONT PILLAR FINISHER

# < REMOVAL AND INSTALLATION >

[REGULAR GRADE]

8. Pull up front pillar finisher to release portion (A) as shown by the arrow in the figure, and then remove front pillar finisher.



9. Remove front side glass run assembly from vehicle.

Installation

Install in the reverse order of removal.

## REMOVAL AND INSTALLATION OF BODY SIDE WEATHER-STRIP

Removal

Remove body side weather-strip fixing clips, and then remove body side weather-strip.

Installation

Install in the reverse order of removal.

## [REGULAR GRADE]

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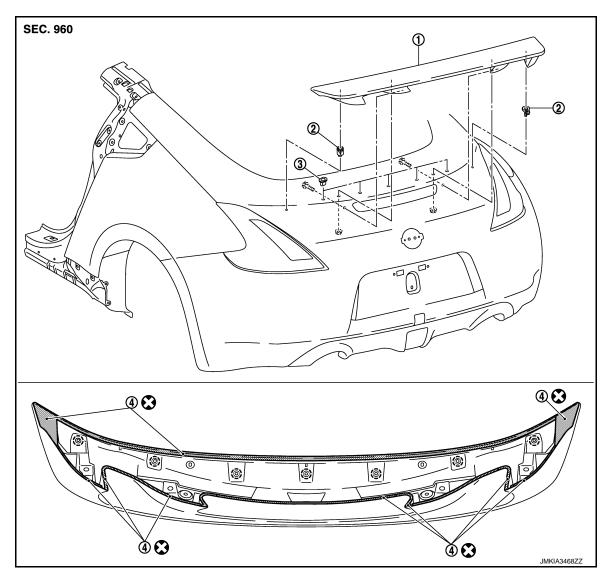
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# **REAR SPOILER**

Exploded View



1. Rear spoiler assembly

Double-faced adhesive tape [t: 2.0 mm (0.079 in)]

- 2. Rear spoiler spacer
- 3. Grommet

/^ヽ・Clin

: Always replace after every disassembly.

## Removal and Installation

## **REMOVAL**

- 1. Remove back door trim. Refer to <a href="INT-33">INT-33</a>, "Removal and Installation".</a>
- 2. Remove rear spoiler mounting nuts and bolts.
- 3. Disengage the clips with remover tool while peeling the double-faced adhesive tape with threads, and then remove rear spoiler.

## **CAUTION:**

Apply protective tape around the outer edge of mating surface between rear spoiler and back door to prevent damage.

4. Remove the following parts after removing rear spoiler.

Revision: 2013 May **EXT-41** 2014 370Z

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# **REAR SPOILER**

### < REMOVAL AND INSTALLATION >

[REGULAR GRADE]

- · Rear spoiler spacers
- Grommets

### INSTALLATION

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

### **CAUTION:**

- Be careful no to damage the back door.
- · Always replace double-faced adhesive tape with a new one, if rear spoiler is reused.
- Remove double-faced adhesive tape remaining on back door panel and back of rear spoiler with a double-faced adhesive tape remover, after removing rear spoiler.
- When installing, visually check the rear spoiler and the clips, then replace them with new parts if they are damaged.
- When installing rear spoiler, check that clips and bolts are securely fitted in back door panel holes, and then press them in.
- Never wash the vehicle within 24 hours after installing so as to keep adhesive.

# FRONT BUMPER WITH AERODYNAMIC SPLITTER

< SPEC CHANGE INFORMATION >

[Nismo 370Z]

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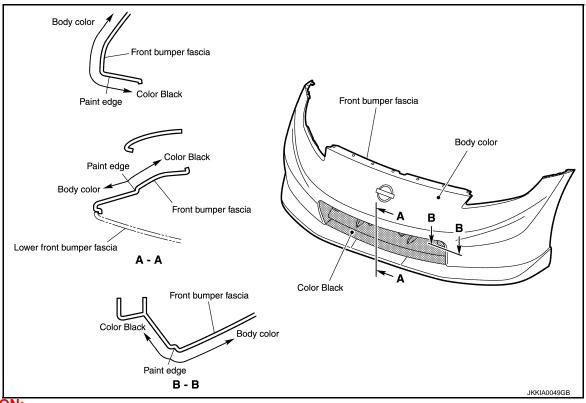
# SPEC CHANGE INFORMATION

# FRONT BUMPER WITH AERODYNAMIC SPLITTER

# Paint and Adhesive Tape

## PAINT COLOR

Location	Body color				
Front bumper fascia	G41	NAM	QAB	KAD	K23
Front bumper fascia (opening)	Black (G01)				



### **CAUTION:**

- Use environmentally friendly paint and adhesive tape.
- It is ok to use natural drying, but for artificial drying, be careful not to allow the ambient air temperature at the paint surface to exceed 80°C (176°F). If the drying temperature exceeds 80°C (176°F), it could cause plastic parts to deform or adhesives to come loose.

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## REAR BUMPER WITH AERODYNAMIC DIFFUSER

< SPEC CHANGE INFORMATION >

[Nismo 370Z]

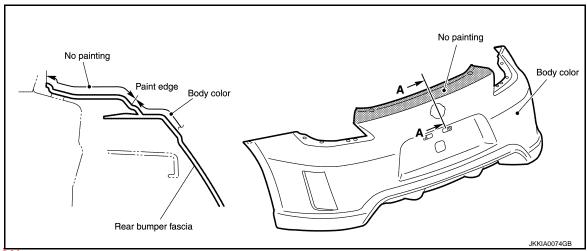
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# REAR BUMPER WITH AERODYNAMIC DIFFUSER

Paint and Adhesive Tape

PAINT COLOR

Location	Body color				
Rear bumper fascia	G41	NAM	QAB	KAD	K23



## **CAUTION:**

- Use environmentally friendly paint and adhesive tape.
- It is ok to use natural drying, but for artificial drying, be careful not to allow the ambient air temperature at the paint surface to exceed 80°C (176°F). If the drying temperature exceeds 80°C (176°F), it could cause plastic parts to deform or adhesives to come loose.

# SIDE SILL EXTENSIONS

< SPEC CHANGE INFORMATION >

[Nismo 370Z]

# SIDE SILL EXTENSIONS

Paint and Adhesive Tape

INFOID:0000000009359663

PAINT COLOR

Location	Body color				
Side sill extensions	G41	NAM	QAB	KAD	K23

## **CAUTION:**

- Use environmentally friendly paint and adhesive tape.
- It is ok to use natural drying, but for artificial drying, be careful not to allow the ambient air temperature at the paint surface to exceed 80°C (176°F). If the drying temperature exceeds 80°C (176°F), it could cause plastic parts to deform or adhesives to come loose.

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# **REAR SPOILER**

< SPEC CHANGE INFORMATION >

[Nismo 370Z]

# **REAR SPOILER**

Paint and Adhesive Tape

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## PAINT COLOR

Location	Body color				
Rear spoiler	G41	NAM	QAB	KAD	K23

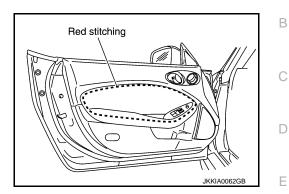
## **CAUTION:**

- Use environmentally friendly paint and adhesive tape.
- Natural drying is an acceptable method for drying, but for artificial drying, be careful not to allow the ambient air temperature at the paint surface to exceed 80°C (176°F). If the drying temperature exceeds 80°C (176°F), it could cause plastic parts to deform or adhesives to come loose.

# **DOOR FINISHER**

Door Finisher

Red stitching is incorporated on a door finisher.



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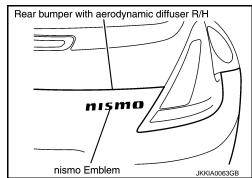
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[Nismo 370Z]

# **EMBLEM**

nismo EMBLEM

The nismo EMBLEM is used on the Rear bumper with aerodynamic diffuser R/H.



# **BACK DOOR**

< SPEC CHANGE INFORMATION > [Nismo 370Z]

BACK DOOR

Back Door

Because the rear spoiler has gotten bigger, the gas stay is changed to the model that has the reaction force.

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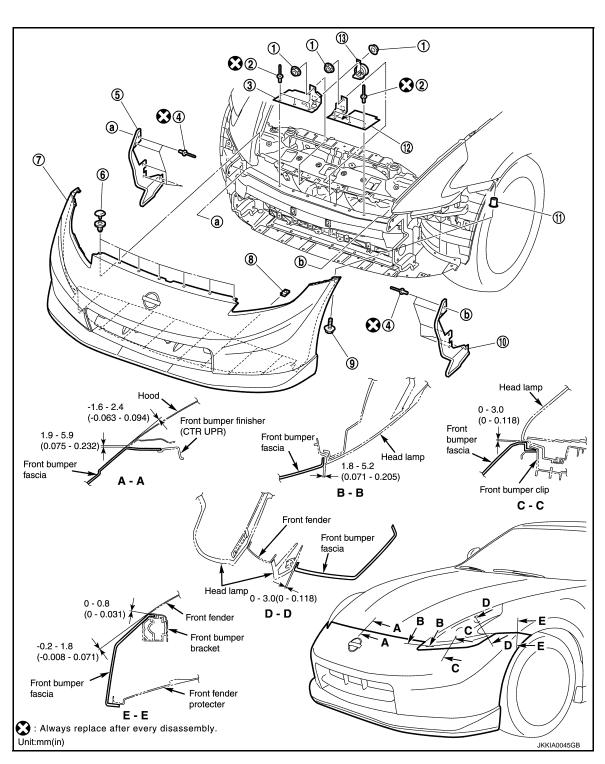
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# REMOVAL AND INSTALLATION

# FRONT BUMPER ASSEMBLY

**Exploded View** INFOID:0000000009359668



- Nut (3) 1.
- Rivet (5 each left and right)
- Front bumper fascia assembly
- Extension-seal, condenser RH
- 13. Horn assembly-low

- 2. Rivet (3 each left and right)
- Extension-seal, condenser LH
- U nut (10)
- Screw grommet (1 each left and right) 12. Protector-food control cable RH
- Protector-food control cable LH 3.
- 6.
- Tapping screw (1 each left and right) 9.

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# Removal and Installation

### **CAUTION:**

 Front bumper fascia is made of resin. Do not apply strong force to it, and be careful to prevent contact with oil.

### REMOVAL

- Fully open the hood assembly.
- 2. Remove the front under cover.
- Remove the tapping screws from the left and right of the front bumper fascia.
- 4. Remove the clips from the top of front bumper fascia and then remove the front bumper fascia assembly.
- 5. Remove the rivets from protector-food control cable left and right.
- Remove the rivets from extension-seal, condenser left and right.

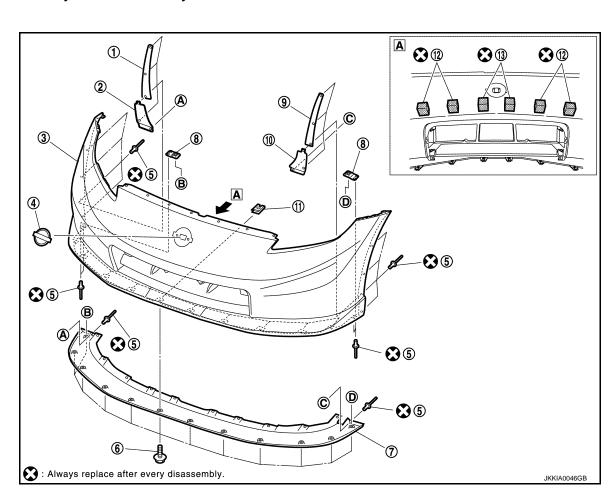
Two people shall perform the work to remove the Front bumper fascia so that it is not dropped.

## **INSTALLATION**

Installation is the reverse order of removal.

· Check the clearance when installing the Front bumper fascia assembly.

# Disassembly and Assembly



- Front bumper protector (RH UPR) 1.
- NISSAN emblem 4.
- Lower front bumper fascia 7.
- 2. Front bumper protector (RH LWR)
- 5. Rivet (14)
- Front bumper bracket (2)
- 3. Front bumper fascia
- 6. Screw (12)
- Front bumper protector (LH UPR)

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**EXT-51** Revision: 2013 May 2014 370Z

- 10. Front bumper protector (LH LWR)
- 11. U nut (20)

12. Front bumper spacer (the sponge tape) (4)

13. Front bumper spacer (the sponge tape) (2)

### REMOVAL

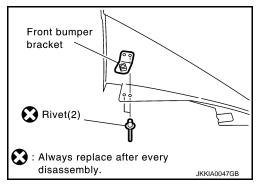
- 1. Remove the NISSAN emblem.
- Remove the rivets from the left and right of the front bumper fascia and then remove the front bumper protector (RH, UPR) and the front bumper protector (LH, UPR) and the front bumper protector (RH, LWR) and the front bumper protector (LH, LWR).
- Remove the Screws from the bottom of the front bumper fascia and then remove the lower front bumper fascia.
- Remove the rivets from the left and right of the front bumper fascia and then remove the front bumper bracket.
- 5. Remove the front bumper spacer (the sponge tape) from the back side of front bumper fascia.

### INSTALLATION

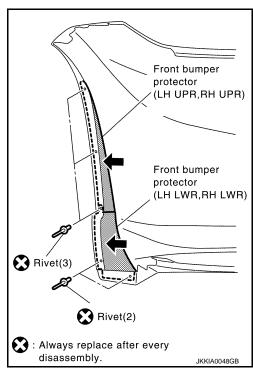
Install in the reverse order of removal.

### **CAUTION:**

- The sponge tape cannot be reused. Replace it with new tape.
- · Remove the oil and grease from the attachment surface and clean it.
- 1. Attach the front bumper spacer (the sponge tape) along the mark-off line on the underside of the front bumper fascia.
- 2. Use the rivets to fasten the front bumper bracket on the left and right of the front bumper fascia.



- Fasten the lower front bumper fascia with screws.
- 4. Press the front bumper protector (RH UPR) and the front bumper protector (LH UPR) and the front bumper protector (RH LWR) and the front bumper protector (LH LWR) against the front bumper fascia at the left and right while fastening them with rivets. Be careful not to leave any space in between.



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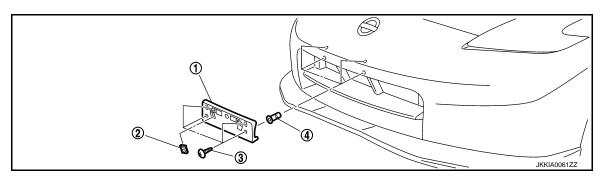
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# LICENSE PLATE BRACKET

**Exploded View** INFOID:0000000009359671



- License plate bracket
- Spring nut (2)

Tapping screw (4)

Grommet (4)

# Removal and Installation

INFOID:0000000009359672

## **REMOVAL**

- Remove the spring nuts.
- Remove the tapping screws and then remove the license plate bracket.

## **INSTALLATION**

Install in the reverse order of removal.

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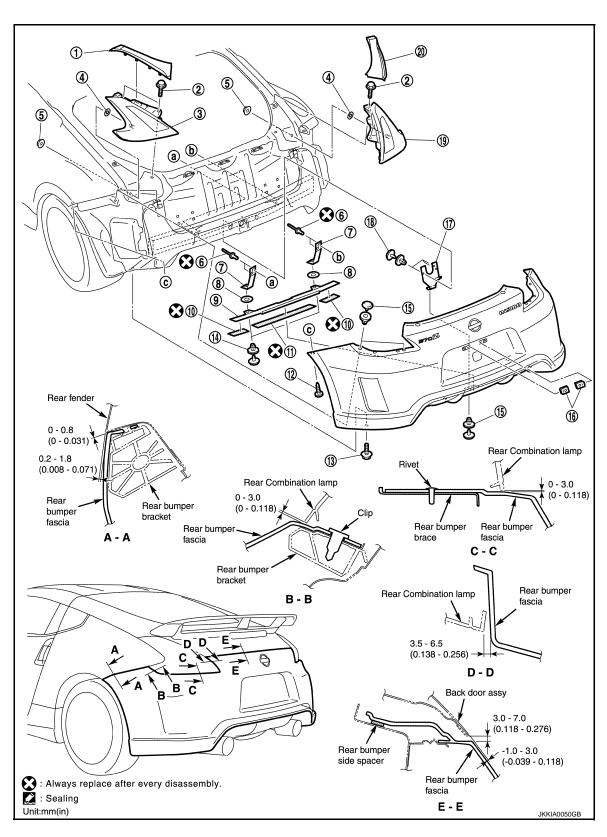
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**EXT-53** Revision: 2013 May 2014 370Z

# REAR BUMPER WITH AERODYNAMIC DIFFUSER

Exploded View



- 1. Rear combination lamp finisher LH
- 4. Seal packing (1 each left and right)
- 7. Rear bumper retainer (LWR, LH) (2) 8.
- 2. Bolt (2 each left and right)
- 5. Nut (1 each left and right)
  - Nylon washer (1 each left and right)
- 3. Rear combination lamp LH
- 6. Rivet (2 each left and right)
- 9. Rear bumper retainer (LWR, CTR)

# **REAR BUMPER WITH AERODYNAMIC DIFFUSER**

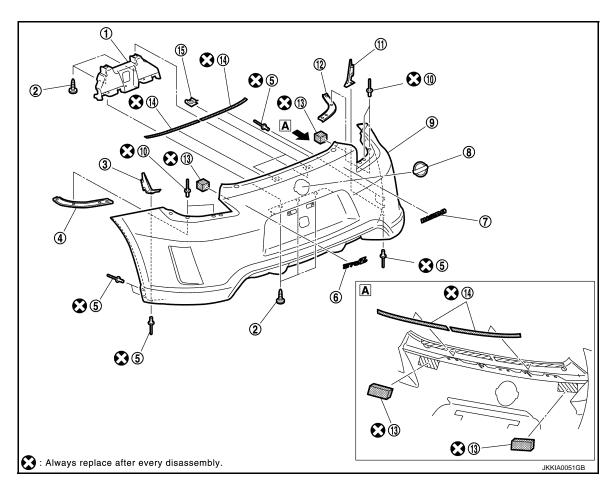
< REMOVAL AND INSTALLATION	ON >	[Nismo 370Z]
<ul><li>10. Double-sided tape A (2)</li><li>13. Bolt (1 each left and right)</li><li>16. U nut (2)</li><li>19. Rear combination lamp RH</li></ul>	<ul><li>11. Double-sided tape B</li><li>14. Clip (2)</li><li>17. Rear bumper retainer (LWR, CTR)</li><li>20. Rear combination lamp finisher RH</li></ul>	12. Tapping screw (1 each left and right) 15. Clip (5) 18. Clip (3)
Removal and Installation		INFOID:000000003359674
CAUTION:	resin. Do not apply strong force to	it, and be careful to prevent contact
REMOVAL		Ε
combination lamp RH and the	rear combination lamp LH.	bination lamp finisher LH and the rear
<ul><li>4. Remove the tapping screws fr</li><li>5. Remove the clips from the both</li></ul>	om the left and right of the rear bump tom of the rear bumper fascia.	F
cia, and remove the rear bum  CAUTION:  • Two people shall perform th	per fascia assembly.	e left and right of the rear bumper fas- per fascia assembly that it is not
dropped.		ŀ
INSTALLATION Install in the reverse order of remo • Check the clearance when insta	oval. lling the Rear bumper fascia assemb	
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Revision: 2013 May **EXT-55** 2014 370Z

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# Disassembly and Assembly

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- Rear license lamp assembly
- 4. Rear bumper brace LH
- 7. Emblem (NISMO)
- 10. Rivet (2 each left and right)
- 13. Spacer (2)

- 2. Tapping screw (5)
- 5. Rivet (3 each left and right)
- 8. Emblem (NISSAN)
- 11. Rear bumper protector RH
- 14. Rear bumper side spacer (2)
- 3. Rear bumper protector LH
- 6. Emblem (370Z)
- 9. Rear bumper fascia
- 12. Rear bumper brace RH
- 15. Nut spring (2)

## REMOVAL

- 1. Remove the emblem (NISSAN) and the emblem (370Z) and the emblem (NISMO).
- 2. Remove the tapping screws and then remove the rear license lamp assembly.
- 3. Remove the rivets from the left and right of the rear bumper fascia and then remove the rear bumper brace RH and the rear bumper brace LH.
- Remove the rivets from the left and right of the rear bumper fascia and then remove the rear bumper protector RH and the rear bumper protector LH.
- 5. Remove the rear bumper side spacer and the spacer from the back side of rear bumper fascia.

## **INSTALLATION**

Install in the reverse order of removal.

### **CAUTION:**

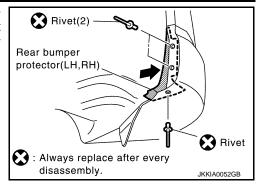
- Remove the oil and grease from the attachment surface and clean it.
- Attach the rear bumper side spacer and the spacer to the underside of the rear bumper fascia.

# REAR BUMPER WITH AERODYNAMIC DIFFUSER

# < REMOVAL AND INSTALLATION >

[Nismo 370Z]

Press the rear bumper protector RH and the rear bumper protector LH against the rear bumper fascia at the left and right while fastening them with rivets. Be careful not to leave any space in between.



- 3. Attach the rear bumper brace RH and the rear bumper brace LH to the rear bumper fascia at the left and right.
- 4. Install the rear license lamp assembly.
- 5. Install the emblem (NISSAN) and the emblem (370Z) and the emblem (NISMO).

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**EXT-57** Revision: 2013 May 2014 370Z В

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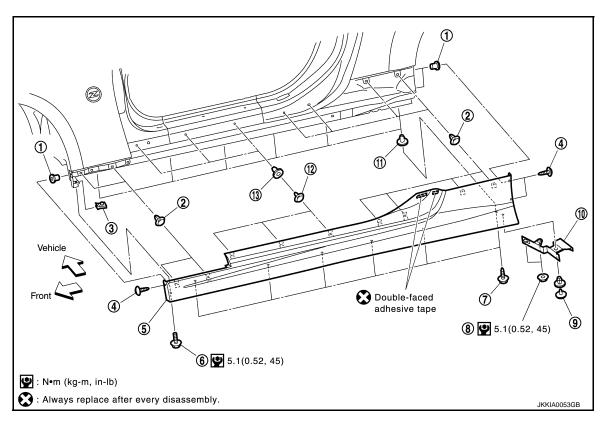
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# SIDE SILL EXTENSIONS

Exploded View



- 1. Grommet (3 each left and right)
- 4. Tapping screw (3 each left and right) 5.
- 7. Tapping screw (6 each left and right) 8.
- 10. Rear deflector mudguard (LH, RH)
- 13. Grommet (3 each left and right)
- 2. Clip (6 each left and right)
  - Side sill extensions assembly (LH, RH)
  - Nut (2 each left and right)
- 11. Grommet (6 each left and right)
- 3. U nut (1 each left and right)
- 6. Bolt (1 each left and right)
- 9. Trim clip (1 each left and right)

INFOID:0000000009359677

12. Clip (3 each left and right)

## Removal and Installation

## Remove the nuts and trim clips and then remove the rear deflector mudguard LH.

- 2. Remove the bolts and tapping screws.
- 3. Remove the side sill extensions assembly LH while separating the grommet and clip joint.
- 4. Use the same procedure to remove the side sill extensions assembly RH.

### **INSTALLATION**

Install in the reverse order of removal.

## **CAUTION:**

**REMOVAL** 

- The double-sided tape cannot be reused. Replace it with new tape.
- Remove the oil and grease from the attachment surface and clean it.

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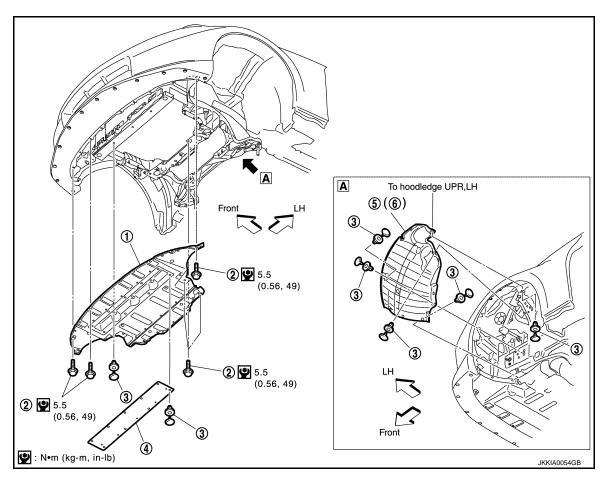
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# FRONT UNDER COVER

Exploded View



- 1. Front under cover
- 2. Bolt (16)
- 5. Front fender protector (RH FR)
- 3. Trim clip (26)
- 6. Front fender protector (LH FR)

# Removal and Installation

Front under cover protector

### **CAUTION:**

Front under cover is made of resin. Do not apply strong force to it, and be careful to prevent contact with oil.

### **REMOVAL**

- 1. Remove the trim clips and then remove the front fender protector (RH FR) and the front fender protector (LH FR).
- 2. Remove the trim clips and then remove the front under cover protector.
- 3. Remove the trim clips and bolts and then remove the front under cover.

### **INSTALLATION**

Installation is the reverse order of removal.

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Revision: 2013 May **EXT-59** 2014 370Z

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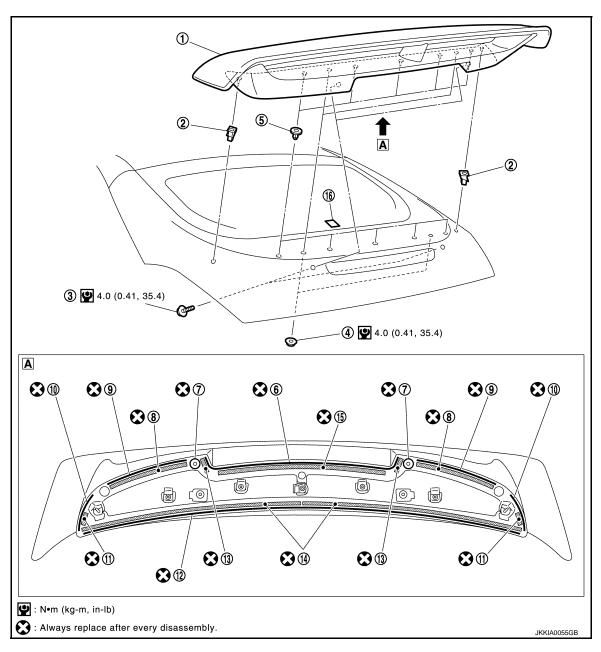
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INFOID:0000000009359679

# **REAR SPOILER**

Exploded View



- Rear spoiler assembly
- 4. Nut (2)
- 7. Sealing washer
- 10. EPT seal C (2)
- 13. Double-sided tape B (2)
- 16. Caution label

- 2. Grommet (2)
- 5. Grommet (5)
- 8. Double-sided tape C (2)
- 11. Double-sided tape D (2)
- 14. Double-sided tape E (2)
- 3. Bolt (2)
- 6. EPT seal A
- 9. EPT seal B (2)
- 12. EPT seal D
- 15. Double-sided tape A

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# Removal and Installation

### CAUTION:

Rear spoiler is made of resin. Do not apply strong force to it, and be careful to prevent contact with oil. REMOVAL

Remove the back door finisher.

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### < REMOVAL AND INSTALLATION >

- Remove the bolts and nuts.
- 3. Remove the grommets and using a plastic putty knife or similar tool, remove the rear spoiler assembly while removing the double-sided tape.

### **CAUTION:**

- Two people should perform removal of the rear spoiler assembly to keep from dropping it.
- Be careful not to damage the painted surface.
- After removal, degrease and clean the mounting surface.
- 4. Use a plastic putty knife or similar tool to peel off the EPT seal and double-sided tape from the rear spoiler assembly.
- 5. Peel off the sealing washers.

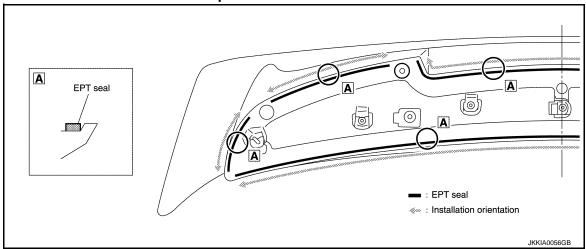
### **INSTALLATION**

Install in the reverse order of removal.

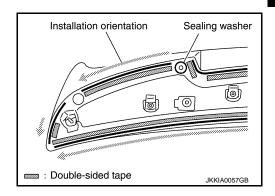
- Degrease and clean the rear spoiler assembly mounting surfaces for the sealing washer, EPT seal, and double-sided tape.
- 2. Use the marking lines as a guide for the starting position of each affixing and then apply the EPT seal facing in the direction shown by the arrow.

### **CAUTION:**

Make sure that the EPT seal does not protrude.



- 3. Install the sealing washers.
- 4. Attach double-sided tape in the direction of the arrows.



- 5. Install the Rear spoiler assembly.
- 6. Attach the bolts and nuts, and attach the back door finisher.

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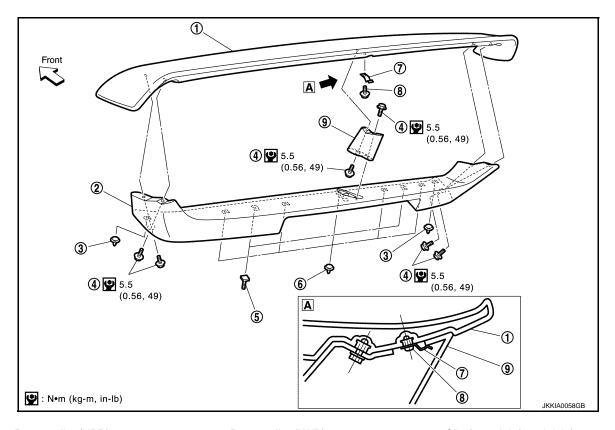
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Revision: 2013 May **EXT-61** 2014 370Z

# Disassembly and Assembly

INFOID:0000000009359682



- 1. Rear spoiler (UPR)
- 4. Bolt (6)
- 7. Bracket

- 2. Rear spoiler (LWR)
- 5. Slide bolt (1 each left and right)
- 8. Bolt

- 3. Clip (1 each left and right)
- 6. Clip (5)
- 9. Rear spoiler (CTR)

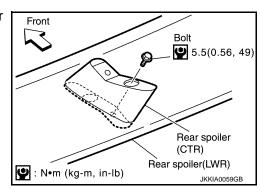
## **REMOVAL**

- 1. Remove the clips and the slide bolts from the back side of rear spoiler (LWR).
- 2. Remove the bolts from the left and right of the rear spoiler (LWR).
- 3. Remove the bolts from the center of the rear spoiler (LWR) and then remove the rear spoiler (UPR).
- 4. Remove the bolts from the center of the rear spoiler (LWR) and then remove the rear spoiler (CTR).
- 5. Remove the bolts from the center of the rear spoiler (UPR) and then remove the Bracket.

# **INSTALLATION**

Assembly is the reverse order of disassembly.

- 1. Attach the bracket in the center of the rear spoiler (UPR).
- 2. Attach the rear spoiler (CTR) in the center of the rear spoiler (LWR).

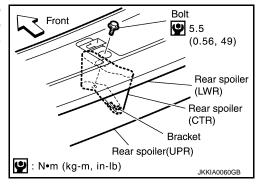


# **REAR SPOILER**

# < REMOVAL AND INSTALLATION >

[Nismo 370Z]

 Fit the edge of the rear spoiler (CTR) under the bracket at the rear spoiler (UPR) while attaching the rear spoiler (LWR) to the rear spoiler (UPR), and secure the rear spoiler (LWR) with the bolt in the center.



- 4. Fasten the rear spoiler (LWR) with bolts at the left and right.
- 5. Attach the clips and slide bolts to the underside of the rear spoiler.

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